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Hong Kong Project Management Office

## Contract No. HY/2011/03

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

## Quarterly EM&A Report No.3 (March 2013 to May 2013)

**2 September 2013**

**Revision 4**

**Main Contractor**

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

**Designer**

ATKINS

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## Executive Summary

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

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

China State Construction Engineering (Hong Kong) Ltd. was awarded by Highways Department as the Contractor to undertake the construction works of Contract No. HY/2011/03. The main works of the Contract include land tunnel at Scenic Hill, tunnel underneath Airport Road and Airport Express Line, reclamation and tunnel to the east coast of the Airport Island, at-grade road connecting to the HKBCF and highway works of the HKBCF within the Airport Island and in the vicinity of the HKLR reclamation. The Contract is part of the HKLR Project and HKBCF Project, these projects are considered to be "Designated Projects", under Schedule 2 of the Environmental Impact Assessment (EIA) Ordinance (Cap 499) and Environmental Impact Assessment (EIA) Reports (Register No. AEIAR-144/2009 and AEIAR-145/2009) were prepared for the Project. The current Environmental Permit (EP) EP-352/2009/A for HKLR and EP-353/2009/F for HKBCF were issued on 31 October 2011 and 24 April 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 third 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 March 2013 to 31 May 2013.

## 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 | | |
|---|---|---|---|---|
| | | **March 2013** | **April 2013** | **May 2013** |
| Air Quality | 1-hr TSP | 4, 8, 14, 20 and 26 | 3, 9, 15, 19 and 25 | AMS5: 2, 7, 13, 16, 22 and 28<br>AMS6: 2, 7, 13, 16, 24 and 28 |
| | 24-hr TSP | 1, 7, 13, 19 and 25 | 2, 8, 12, 18, 24 and 30 | AMS5: 6, 10, 15, 28 and 31<br>AMS6: 6, 10, 15, 21, 27 and 31 |
| Noise | | 4, 14, 20 and 26 | 3, 9, 19 and 25 | 2, 7, 13, 22 and 28 |
| Water Quality | | 1, 4, 6, 8, 11, 13, 15, 18, 20, 22, 25, 27 and 29 | 1, 3, 5, 8, 10, 12, 15, 17, 19, 22, 24, 26 and 29 | 1, 3, 6, 8, 10, 13, 15, 17, 20, 22, 24, 27, 29 and 31 |
| Chinese White Dolphin | | 6, 11, 13 and 20 | 2, 3, 8 and 12 | 8, 13, 25 and 28 |
| Mudflat Monitoring | | 2, 3, 10, 11, 12 and 16 | - | - |
| Site Inspection | | 5, 12, 19 and 26 | 2, 9, 17, 26 and 30 | 7, 14, 21 and 31 |

Due to adverse weather condition, the water monitoring for mid-ebb tide were cancelled on 5 and 19 April 2013 and 22 May 2013.

The high volume sampler (HVS) for AMS5 was out of order on 21 May 2013 and the 24-hr dust monitoring at AMS5 was cancelled on 21 May 2013. The HVS was repaired on 27 May 2013 and the 24-hr dust monitoring was postponed to 28 May 2013.

**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 | $L_{eq\ (30\ min)}$ | 4 | 0 |
| Water Quality | Suspended solids level (SS) | 16 | 87 |
| | Turbidity level | 8 | 78 |
| | Dissolved oxygen level (DO) | 0 | 0 |
| Dolphin | Ecology (Chinese White Dolphin Monitoring) | 1 | 0 |

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

There was one Action Level exceedance of dolphin monitoring for the quarterly monitoring data (March – May 2013).

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**

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

| Environmental Complaint No. (1) | Date of Complaint Received | Description of Environmental Complaints |
|---|---|---|
| COM-2013-018 | 1 March 2013 | Noise |
| COM-2013-022 | 8 April 2013 | Water |
| COM-2013-018 (6), (7) & (9) | 15 April 2013 | Noise |
| COM-2013-018 (11) | 30 April 2013 | Noise |
| COM-2013-023 | 2 May 2013 | Noise |
| COM-2013-024 | 23 May 2013 | Noise |
| COM-2013-022(2) | 23 May 2013 | Water |

Remarks:
(1) If a complainant makes complaint for the same environmental issue, only one complaint number will be assigned for the complaint.

**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). There are no reporting changes.

# 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 Environmental Impact Assessment (EIA) Reports (Register No. AEIAR-144/2009 and AEIAR-145/2009) were prepared for the Project. The current Environmental Permit (EP) EP-352/2009/A for HKLR and EP-353/2009/F for HKBCF were issued on 31 October 2011 and 24 April 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 Third 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 March 2013 to 31 May 2013.

## 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 Y | Access Shaft Construction for SHT & HAT<br>Utility culvert excavation |
| Portion X | Removal of existing rock for existing seawall<br>Stone Column installation<br>Sand filling behind stone platform in according to EP requirement<br>Temporary stone platform construction<br>Band Drains Installation |
| Kwo Lo Wan Road/ Airport Road | Works for diversion of Airport Road and Kwo Lo Wan Road |
| Kwo Lo Wan/ Airport Road/ AEL | Pre-grouting and pipe piling works for AEL access shafts<br>Utilities detection<br>Establishment of site access<br>Works for East access shaft |
| West Portal | Site formation<br>Tree Felling<br>Slope protection/ stabilization (soil nailing works)<br>Boulder removal/ stabilization works |

# 2 EM&A Requirement

## 2.1 Summary of EM&A Requirements

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

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

**Table 2.1 Summary of Impact EM&A Requirements**

| Environmental Monitoring | Description | Monitoring Station | Frequencies | Remarks |
|---|---|---|---|---|
| Air Quality | 1-hr TSP | AMS 5 & AMS 6 | At least 3 times every 6 days | While the highest dust impact was expected. |
| | 24-hr TSP | | At least once every 6 days | -- |
| Noise | $L_{eq\ (30mins)}$, $L_{10\ (30mins)}$ and $L_{90\ (30mins)}$ | NMS5 | At least once per week | Daytime on normal weekdays (0700-1900 hrs). |
| Water Quality | • Depth<br>• Temperature<br>• Salinity<br>• Dissolved Oxygen (DO)<br>• Suspended Solids (SS)<br>• DO Saturation<br>• Turbidity<br>• pH | • Impact Stations: IS5, IS(Mf)6, IS7, IS8, IS(Mf)9 & IS10,<br>• Control/Far Field Stations: CS2 & CS(Mf)5,<br>• 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;<br>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;<br>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;<br>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;<br>The limit level has been amended to "34.4 ***and*** 130% of SS at the upstream control station at the same tide of same day and 10mg/L for Water Services Department Seawater Intakes" since 25 March 2013 |

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

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

**Table 2.4 Action and Limit Level for Dolphin Impact Monitoring**

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

Remarks:
(1) STG means quarterly average encounter rate of number of dolphin sightings.
(2) ANI means quarterly average encounter rate of total number of dolphins.
(3) For North Lantau Social Cluster, AL will be 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 Contractors 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 were observed. The relevant records were kept properly.

3.1.5 A dolphin exclusion zone of 250m was implemented during the installation of silt curtains on 2, 3, 6, 9, 13, 15 and 18 May 2013. No dolphins 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 ($\mu g/m^3$) | Range ($\mu g/m^3$) | Action Level ($\mu g/m^3$) | Limit Level ($\mu g/m^3$) |
|---|---|---|---|---|---|
| March 2013 | AMS5 | 53 | 15 – 98 | 352 | 500 |
| | AMS6 | 62 | 13 – 133 | 360 | |
| April 2013 | AMS5 | 93 | 35 – 215 | 352 | |
| | AMS6 | 3.2.2 8 4 | 3.2.3 17 – 205 | 360 | |
| May 2013 | AMS5 | 26 | 7 – 65 | 352 | |
| | AMS6 | 24 | 15 – 43 | 360 | |

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

| Reporting Period | Monitoring Station | Average ($\mu g/m^3$) | Range ($\mu g/m^3$) | Action Level ($\mu g/m^3$) | Limit Level ($\mu g/m^3$) |
|---|---|---|---|---|---|
| March 2013 | AMS5 | 55 | 28 – 90 | 164 | 260 |
| | AMS6 | 58 | 22 – 105 | 173 | |
| April 2013 | AMS5 | 57 | 22 – 103 | 164 | |
| | AMS6 | 60 | 25 – 108 | 173 | |
| May 2013 | AMS5 | 23 | 9 – 58 | 164 | |
| | AMS6 | 26 | 17 – 51 | 173 | |

## 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) |
|---|---|---|---|---|---|
| March 2013 | NMS5 | 59 | 55 – 61 | When one documented complaint is received | 75 |
| April 2013 | | 60 | 59 – 60 | | |
| May 2013 | | 62 | 58 – 68 | | |

*+3dB(A) Facade correction included

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

## 3.5 Dolphin Monitoring Results

**Data Analysis**

3.5.1 Distribution Analysis – The line-transect survey data was integrated with the Geographic Information System (GIS) in order to visualize and interpret different spatial and temporal patterns of dolphin distribution using sighting positions. Location data of dolphin groups were

plotted on map layers of Hong Kong using a desktop GIS (ArcView© 3.1) to examine their distribution patterns in details. The dataset was also stratified into different subsets to examine distribution patterns of dolphin groups with different categories of group sizes, young calves and activities.

3.5.2 Encounter rate analysis – Encounter rates of Chinese White Dolphins (number of on-effort sightings per 100 km of survey effort, and total number of dolphins sighted on-effort per 100 km of survey effort) were calculated in NEL and NWL survey areas in relation to the amount of survey effort conducted during each month of monitoring survey. Dolphin encounter rates were calculated in two ways for comparisons with the HZMB baseline monitoring results as well as to AFCD long-term marine mammal monitoring results.

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

3.5.4 Secondly, the encounter rates were calculated using both primary and secondary survey effort collected under Beaufort 3 or below condition as in AFCD long-term monitoring study. The encounter rate of sightings and dolphins were deduced by dividing the total number of on-effort sightings (STG) and total number of dolphins (ANI) by the amount of survey effort for the entire quarterly period (March-May 2013).

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

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

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

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

3.5.7 Behavioural analysis – When dolphins were sighted during vessel surveys, their behaviour was observed. Different activities were categorized (i.e. feeding, milling/resting, traveling, socializing) and recorded on sighting datasheets. This data was then input into a separate

database with sighting information, which can be used to determine the distribution of behavioural data with a desktop GIS. Distribution of sightings of dolphins engaged in different activities and behaviours would then be plotted on GIS and carefully examined to identify important areas for different activities of the dolphins.

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

**Summary of Survey Effort and Dolphin Sightings**

3.5.9 During the reporting period, 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 887.74 km of survey effort was collected, with 89.5% of the total survey effort being conducted under favourable weather conditions (i.e. Beaufort Sea State 3 or below with good visibility). Among the two areas, 340.62 km and 547.12 km of survey effort were conducted in NEL and NWL survey areas respectively. In addition, the total survey effort conducted on primary lines was 660.79 km, while the effort on secondary lines was 226.95 km. Survey effort conducted on primary and secondary lines were both considered as on-effort survey data.

3.5.11 During the six sets of monitoring surveys in March to May 2013, a total of 39 groups of 127 Chinese White Dolphins were sighted. All except two sightings were made during on-effort search. Thirty-two on-effort sightings were made on primary lines, while another five on-effort sightings were made on secondary lines. Among the two survey areas, only two groups of two dolphins were sighted in NEL, while the other 37 groups of 125 dolphins were sighted in NWL.

**Distribution**

3.5.12 Distribution of dolphin sightings made during monitoring surveys in March April and May 2013 was shown in **Figure 1 of Appendix J**. Most dolphins sightings were made in the northwest portion of North Lantau region, concentrating along the Urmston Road section between Black Point and Lung Kwu Chau. Other sightings were made around Sha Chau, between Pillar Point and the airport platform, as well as to the west of the airport platform. The two lone dolphins sighted in NEL were found near Tai Mo To and Yam O.

3.5.13 No dolphin was sighted in the vicinity of the HKLR03 reclamation site (**Figure 1 of Appendix J**). The lone dolphin sighted near Tai Mo To was in the vicinity of the HKBCF reclamation site, but dolphins generally were absent from the surrounding waters of the reclamation area. On the other hand, a few dolphin sightings were made near the HKLR09 alignment to the west of the airport platform (**Figure 1 of Appendix J**).

3.5.14 When compared with the sighting distribution of dolphins during baseline monitoring surveys in September to November 2011, dolphins very rarely occurred in NEL region during the present impact monitoring period, in contrast with their frequent occurrence around the Brothers Islands and HKBCF reclamation site during the baseline period (**Figure 1 of Appendix J**). However, dolphin occurrence in the northwest portion of North Lantau region was similar between the two periods (**Figure 1 of Appendix J**).

**Encounter Rate**

3.5.15 For the three-month study period in March, April and May 2013, 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 (March 2013 – May 2013)**

| 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 (6 & 11 Mar 2013) | 0.00 | 0.00 |
| | Set 2 (13 & 20 Mar 2013) | 2.53 | 2.53 |
| | Set 3 (2 & 3 Apr 2013) | 0.00 | 0.00 |
| | Set 4 (8 & 12 Apr 2013) | 0.00 | 0.00 |
| | Set 5 (8 & 13 May 2013) | 0.00 | 0.00 |
| | Set 6 (25 & 28 May 2013) | 0.00 | 0.00 |
| Northwest Lantau | Set 1 (6 & 11 Mar 2013) | 9.57 | 33.49 |
| | Set 2 (13 & 20 Mar 2013) | 13.82 | 49.76 |
| | Set 3 (2 & 3 Apr 2013) | 4.38 | 10.94 |
| | Set 4 (8 & 12 Apr 2013) | 4.16 | 5.54 |
| | Set 5 (8 & 13 May 2013) | 9.88 | 36.24 |
| | Set 6 (25 & 28 May 2013) | 4.69 | 9.39 |

**Table 3.5 Comparison of Average Dolphin Encounter Rates between Reporting Period (March 2013 – May 2013) and Baseline Monitoring Period (Sep– Nov 2011) (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)**

| 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 ± 1.03 | 6.00 ± 5.05 | 0.42 ± 1.03 | 22.19 ± 26.81 |
| Northwest Lantau | 7.75 ± 3.96 | 9.85 ± 5.85 | 24.23 ± 18.05 | 44.66 ± 29.85 |

3.5.16 In NEL, the average dolphin encounter rates (both STG and ANI) in the present three-month study period were close to nil, which was much lower than the ones recorded in the 3-month baseline period (Table 3.5). It should be noted that dolphin occurrence in NEL was generally lower in spring months (March-May), and hence it is noteworthy to determine whether the recorded occurrence of dolphins in the habitat of NEL during this impact phase monitoring period was due to seasonal fluctuation. For example, the encounter rates deduced from the advance HZMB monitoring data in spring 2011 were 5.4 (STG) and 11.8 (ANI) respectively. By

pooling both HZMB and AFCD monitoring data, the encounter rates in spring 2011 were 3.8 (STG) and 13.3 (ANI) respectively.

3.5.17 In NWL, the average dolphin encounter rates (STG and ANI) during the present impact phase monitoring period were also noticeably lower (reductions of 21% and 46% respectively) than the ones recorded in the 3-month baseline period, indicating a reduced dolphin usage of this survey area.

3.5.18 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).

3.5.19 For the comparison between the baseline period and the present quarter (third quarter of the impact phase), the p-value for the differences in average dolphin encounter rates of STG and ANI were 0.0858 and 0.0931 respectively, and therefore no significant difference is detected based on the alpha value of 0.05.

3.5.20 For the comparison between the baseline period and the cumulative quarters in impact phase (i.e. first three quarters of the impact phase), the p-value for the differences in average dolphin encounter rates of STG and ANI were 0.1336 and 0.0507 respectively, and therefore no significant difference is detected based on the alpha value of 0.05.

3.5.21 To facilitate the comparison with the AFCD long-term monitoring results, the encounter rates were also calculated for the present quarter using both primary and secondary survey effort. The encounter rates of sightings (STG) and dolphins (ANI) in NWL were 7.27 sightings and 26.00 dolphins per 100 km of survey effort respectively, while the encounter rates of sightings (STG) and dolphins (ANI) in NEL were 0.59 sightings and 0.59 dolphins per 100 km of survey effort respectively.

**Group Size**

3.5.22 Group size of Chinese White Dolphins ranged from 1-20 individuals per group in North Lantau region during March to May 2013. The average dolphin group sizes from these three months were compared with the one deduced from the baseline period in September to November 2011, as shown in **Table 3.6**.

**Table 3.6 Comparison of Average Dolphin Group Sizes between Reporting Period (March 2013 to May 2013) and Baseline Monitoring Period (Sep– Nov 2011)**

| | Average Dolphin Group Size | |
|---|---|---|
| | **Reporting Period** | **Baseline Monitoring Period** |
| Overall | 3.26 ± 3.89 (n = 39) | 3.72 ± 3.13 (n = 66) |
| Northeast Lantau | 1.00 ± 0.00 (n = 2) | 3.18 ± 2.16 (n = 17) |
| Northwest Lantau | 3.38 ± 3.96 (n = 37) | 3.92 ± 3.40 (n = 49) |

3.5.23 The average dolphin group sizes in the entire North Lantau region during March to May 2013 was slightly lower than the ones recorded in the 3-month baseline period (**Table 3.6**). Notably, the two sightings made in NEL during the present monitoring period were comprised of two lone dolphins, hence the average dolphin group size was much lower than the baseline period. On the other hand, the average dolphin group size in NWL during the present monitoring period was slightly lower than the baseline period (**Table 3.6**).

3.5.24 Distribution of dolphins with larger group sizes during March – May 2013 is shown in **Figure 2 of Appendix J**. There were much fewer large dolphin groups recorded (four groups with more than 10 animals and one group with more than 5 animals) during the present monitoring period

when compared with the baseline period (two groups with more than 10 animals and 16 groups with more than 5 animals). These five large dolphin groups were scattered within and around the Sha Chau and Lung Kwu Chau Marine Park (**Figure 2 of Appendix J).**

**Habitat Use**

3.5.25 From March-May 2013, the most heavily utilized habitats by Chinese White Dolphins mainly concentrated along the Urmston Road section between Lung Kwu Chau and Black Point as well as around Sha Chau (**Figures 3a and 3b of Appendix J**). Only two grids in NEL recorded the presence of dolphins in very low density based on two sightings of two lone dolphins. None of the grid around HKLR03 or HKBCF work site recorded the presence of dolphins.

3.5.26 It should be noted that the amount of survey effort collected in each grid during the three-month period was still 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.

3.5.27 When compared with the habitat use patterns during the baseline period, the usage of NEL was significantly less as well as overall number of grids with presence of dolphins were much fewer during the present impact monitoring period (**Figure 4 of Appendix J**). Moreover, dolphins were generally absent from the habitat around the Brothers and near Shum Shui Kok in NEL that was identified during the baseline period. From the same comparison between the two quarterly periods, it appears that dolphins have been less found in the construction sites of HKLR03 in the present monitoring period (**Figure 4 of Appendix J**) and it should be noted that the construction site of HKLR03 situates in waters which has rarely been used by dolphins in the past. Hence there is no evidence showing that the sources of impact were directly related to the construction works of HKLR03 that may have affected the dolphin usage in the NEL region.

**Mother-calf Pairs**

3.5.28 During the three-month study period, a total of six unspotted juveniles (UJ) were sighted in NEL and NWL survey areas, while no unspotted calves (UC) were sighted. These young calves comprised 4.7% of all animals sighted, which was lower than the percentage recorded during the baseline monitoring period (6.8%).

3.5.29 These young calves mainly occurred within and around the Sha Chau and Lung Kwu Chau Marine Park (**Figure 5 of Appendix J**). Notably, no young calves were found in the vicinity of HZMB-related construction sites.

**Activities and Associations with Fishing Boats**

3.5.30 A total of four dolphin sightings were associated with feeding and socializing activities during the three-month study period, comprising of 7.7% and 2.6% of the total number of dolphin sightings. Both percentages were lower than the percentages recorded during the baseline period (feeding activity: 11.6%; socializing activity: 5.4%). Only one group of dolphins was engaged in traveling activity.

3.5.31 Distribution of dolphins engaged in different activities during the three-month study period is shown in (**Figure 6 of Appendix J**). Most of the feeding and socializing activities occurred within and around the Sha Chau and Lung Kwu Chau Marine Park. Moreover, one group of ten dolphins was engaged in traveling activity to the west of Sha Chau close to the Hong Kong-Guangdong border. All these activities were far away from the HZMB-related construction works.

3.5.32 During the three-month period, only one dolphin group were found to be associated with an operating purse-seiner, comprising of 2.6% of all dolphin groups, which was much lower than the percentage recorded in baseline period (5.4%). The low percentage of fishing boat association was likely related to the recent trawl ban being implemented in 2013 in Hong Kong waters.

**Photo-identification and Individual Range Use**

3.5.33 From March to May 2013, over 2,000 digital photographs of Chinese White Dolphins were taken during the impact phase monitoring surveys for the for the photo-identification work.

3.5.34 In total, 34 individuals sighted 58 times altogether were identified (see summary table in **Annex III and photographs of identified individuals in Annex IV of Appendix J**). Only one of these 58 re-sightings were made in NEL, which involved the individual NL18 that was also the most frequently sighted individuals in NEL during previous months of HKLR03 monitoring works. On the contrary, a number of year-round residents that occurred in NEL regularly before (e.g. EL01, NL123, NL285, NL179) have disappeared from this survey area during the present monitoring period.

3.5.35 Most identified individuals were sighted only once or twice during the three-month period, with the exception of two individuals being sighted thrice (NL93, NL244) and three individuals being sighted four times (NL104, NL202 and NL286).

3.5.36 Five well-recognized females, including NL33, NL46, NL93, NL104 and NL202, were accompanied with their calves during their re-sightings. These mother-calf pairs were frequently seen throughout the HKLR03 impact phase monitoring period.

3.5.37 Ranging patterns of the 34 individuals identified during the three-month study period were determined by fixed kernel method, and are shown in **Annex V of Appendix J**.

3.5.38 Only one individual (NL18) was sighted in the NEL survey area while other individuals were mostly found in the NWL survey area during this quarterly period. In contrast to the extensive movements between NEL and NWL survey areas in previous two impact monitoring periods and the baseline period, most identified individuals have avoided NEL during March-May 2013, even though they were frequently sighted there before and their core areas were centered around the Brothers Islands (i.e. NL24, NL33, NL261) (**Annex V of Appendix J**).

3.5.39 Moreover, a number of year-round residents that used to utilize the Brothers Islands as their core areas have not been seen there during the past two quarters. This apparent shift in range use of many individual dolphins should be continuously monitored in the upcoming quarterly periods to determine whether this is related to the disturbance associated with the HZMB-related construction activities.

3.5.40 It should be noted that a number of individuals that focused their activities in West Lantau waters in the past were also sighted in NWL (e.g. WL44, WL46, WL50, WL98) (**Annex V** of **Appendix J**). The movement of these individuals between North and West Lantau waters should be continuously monitored to determine whether their range use will be affected by the HKLR09 construction works.

**Action Level / Limit Level Exceedance**

3.5.41 There was one Action Level exceedance of dolphin monitoring for the quarterly monitoring data (March – May 2013). The possible reasons for Action Level non-compliance could be due to the seasonal fluctuation of dolphin occurrence in spring months in the Northeast Lantau region. According to AFCD long-term monitoring data, dolphins were infrequently sighted in NEL during spring months as compared to the other three seasons (Hung 2011, 2012), and the current AL non-compliance also occurred in NEL during spring months. There is no evidence showing the current AL non-compliance directly related to the construction works of HKLR03. 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.

3.5.42 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 (third quarter of the impact phase), the p-value for the differences in average dolphin encounter rates of STG and ANI were 0.0858 and 0.0931 respectively. If the alpha value is set at 0.1 (due to the small sample size with lower statistical power in the analysis), significant difference was detected between the baseline and present quarters. For the comparison between the baseline period and the cumulative quarters in impact phase (i.e. first three quarters of the impact phase), the p-value for the differences in average dolphin encounter rates of STG and ANI were 0.1336 and 0.0507 respectively. If the alpha value is set at 0.1, significant difference is detected in the average dolphin encounter rate of ANI (i.e. between the two periods and the locations), but not in the average dolphin encounter rate of STG. The AFCD monitoring data during March-May 2013 has been reviewed by the dolphin specialist, and no dolphin sighting was made with 66.04 km of survey effort on primary lines in NEL during the same quarter. This review has confirmed that the very low occurrence of dolphins reported by the HKLR03 monitoring survey in spring 2013 in NEL is accurate.

3.5.43 All dolphin protective measures are fully and properly implemented in accordance with the EM&A Manual. In order to minimise disturbance to the Brother's Island, the Contractor 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 possible.

## 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 23 March 2013. The mudflat surface levels at the four established monitoring stations and the corresponding XYZ HK1980 GRID coordinates are presented in **Table 3.6** and **Table 3.7.**

**Table 3.6 Measured Mudflat Surface Level Results**

| | Baseline Monitoring (September 2012) | | | Impact Monitoring (March 2013) | | |
|---|---|---|---|---|---|---|
| Monitoring Station | Easting (m) | Northing (m) | Surface Level (mPD) | Easting (m) | Northing (m) | Surface Level (mPD) |
| S1 | 810291.160 | 816678.727 | 0.950 | 810291.111 | 816678.640 | 0.995 |
| S2 | 810958.272 | 815831.531 | 0.864 | 810958.296 | 815831.551 | 0.953 |
| S3 | 810716.585 | 815953.308 | 1.341 | 810716.583 | 815953.344 | 1.422 |
| S4 | 811221.433 | 816151.381 | 0.931 | 811221.485 | 816151.324 | 1.068 |

Table 3.7 Comparison of measurement

| Monitoring Station | Comparison of measurement | | | Remarks and Recommendation |
|---|---|---|---|---|
| | Easting (m) | Northing (m) | Surface Level (mPD) | |
| S1 | -0.049 | -0.087 | 0.045 | Within tolerance, no significant change |
| S2 | 0.024 | 0.019 | 0.091 | Level continuously increased |
| S3 | -0.003 | 0.036 | 0.081 | Level continuously increased |
| S4 | 0.052 | -0.057 | 0.137 | Level continuously increased |

3.6.2 This measurement was generally and relatively higher than the baseline measurement at S3, S2 and S4. The mudflat level is continuously increased. For S1, 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 March 2013. The monitoring parameters included dissolved oxygen (DO), turbidity and suspended solids (SS).

3.6.5 The Impact monitoring results for SR3 were extracted and summarised below:

Table 3.8 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) |
| 01-Mar-13 | 8.0 | 3.35 | 5.7 | 7.4 | 4.5 | 8.6 |
| 04-Mar-13 | 7.8 | 3.1 | 5.95 | 7.4 | 4.5 | 8.6 |
| 06-Mar-13 | 8.2 | 2.5 | 3.35 | 7.8 | 2.4 | 3.9 |
| 08-Mar-13 | 8.9 | 2.25 | 3.5 | 8.9 | 2.4 | 3.6 |
| 11-Mar-13 | 8.5 | 4.4 | 4.25 | 8.3 | 6.7 | 7.1 |
| 13-Mar-13 | 7.7 | 2.85 | 3.85 | 7.6 | 3.4 | 5.5 |
| 15-Mar-13 | 7.2 | 3.15 | 3.85 | 7.2 | 4.1 | 4.6 |
| 18-Mar-13 | 7.5 | 4.35 | 4.7 | 7.1 | 4.9 | 4.3 |
| 20-Mar-13 | 7.7 | 2.65 | 2.55 | 6.8 | 3.7 | 3.8 |
| 22-Mar-13 | 7.1 | 3.5 | 3.3 | 7.4 | 6.5 | 8.3 |
| 25-Mar-13 | 7.1 | 10.65 | 8.85 | 7.0 | 7.7 | 11.4 |
| 27-Mar-13 | 7.1 | 7.9 | 14.5 | 6.9 | 13.3 | 17.6 |
| 29-Mar-13 | 6.8 | 8.15 | 5.8 | 6.7 | 13.5 | 14.6 |
| **Average** | **7.7** | **4.5** | **5.4** | **7.4** | **6.0** | **7.8** |

**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 locations of sampling zones are shown in **Figure 2.1**.

**Horseshoe Crabs**

3.6.7 An active search method was adopted for horseshoe crab survey at each sampling zone. The survey was undertaken by 2 specialists at each 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 was found, the species, size and inhabiting substrate, photographic record and respective GPS coordinate were recorded with reference to Li (2008). The horseshoe crab surveys were conducted on 11$^{th}$ (for zones TC1 and TC2) and 12$^{th}$ (for zones TC3 and ST) March 2013 with windy and cloudy weather.

**Seagrass Beds**

3.6.8 An active search method was adopted for seagrass bed survey at each sampling zone. The survey was undertaken by 2 specialists each spending within 2-3 hours in low tide period. Once seagrass bed was observed, the species, the estimated area ($m^2$), photographic record and respective GPS coordinate were recorded. The seagrass bed surveys were conducted on 11$^{th}$ (for zones TC1 and TC2) and 12$^{th}$ (for zones TC3 and ST) March 2013 with windy and cloudy weather.

**Intertidal Soft Shore Communities**

3.6.9 The sandy shore of San Tau and Tung Chung Bay from the uppermost part of the shore and to the water edge was divided into three tidal zones – upper, middle and lower zones, at each sampling zone, TC1, TC2, TC3 and ST. A 100m transect was laid in each of the three tidal zones for fauna sampling.

3.6.10 At each sampling zone, three 100m horizontal transects were laid at 2.0m, 1.5m and 1.0m above C.D. Along each transect, ten random quadrats (0.5 m x 0.5m) were placed. In each quadrat, the epifauna and infauna (within the top 5cm sediment) in each quadrat were identified and their numbers/coverage percentages were recorded. One core of 10cm diameter x 20cm depth was also collected within each quadrat. The sediments of the cores were sieved with 2mm mesh-size sieve and the biota inside was identified and counted. All collected fauna were released after recording except some tiny individuals that *in-situ* identification was not feasible. These tiny individuals were collected and were identified in the laboratory. Species and abundance of biota in both cores and quadrats were reported. The intertidal soft shore community surveys were conducted in low tide period on 2$^{nd}$ (for TC2), 3$^{rd}$ (for TC1), 10$^{th}$ (for ST) and 16$^{th}$ March 2013 (for TC3).

**Data Analysis**

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

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

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

## Mudflat Ecology Monitoring Results and Conclusion

### Horseshoe Crabs

3.6.12 **Table 3.1 and Figure 3.1 of Appendix O** show the records of horseshoe crab survey at every sampling zone. In general, horseshoe crab *Tachypleus tridentatus* was found at TC1 (5 individuals), TC3 (2 individuals) and ST (15 individuals). All individuals were found on either soft mud or sandy substratum. Grouping was observed while each group consisted of 2 individuals only. One individual was just completed moulting at TC3. Another individual was found with broken prosoma at ST that might be caused by birds' pecking. Another horseshoe crab species *Carcinoscorpius rotundicauda*, reported at ST in previous survey (December 2012) was not encountered in the present survey.

3.6.13 According to **Table 3.2 of Appendix I**, the search records of *Tachypleus tridentatus* were 1.25 individuals $hr^{-1}$ $person^{-1}$ (mean prosomal widths: 40.68 mm) and 0.50 individuals $hr^{-1}$ $person^{-1}$ (34.71 mm) at TC1 and TC3, respectively. Similar to previous surveys, the highest search record of 3.00 individuals $hr^{-1}$ $person^{-1}$ (32.46 mm) was reported at ST. According to Li (2008), the prosomal width of *Tachypleus tridentatus* recorded ranged 15.02−47.98 mm that corresponded to an estimated age of 2.1–5.8 years old. Summary of prosomal width of horseshoe crab is shown in **Table 3.9**.

**Table 3.9 Summary of Prosomal Width of Horseshoe Crab Survey**

| | Sampling Zone | | | |
|---|---|---|---|---|
| | **TC1** | **TC2** | **TC3** | **ST** |
| Search duration (hr) | 2 | 2 | 2 | 2.5 |
| *Tachypleus tridentatus* | | | | |
| No. of individuals | 5 | N.A. | 2 | 15 |
| Mean prosomal width (mm) | 40.68 | N.A. | 34.71 | 32.46 |
| Range of prosomal width (mm) | 34.31-47.98 | N.A. | 28.29-41.12 | 15.02-42.73 |
| Search record (individual $hr^{-1}$ $person^{-1}$) | 1.25 | N.A. | 0.50 | 3.00 |

3.6.14 **Figure 3.2 of Appendix O** shows the changes of number of individuals, mean prosomal width and search record of horseshoe crab *Tachypleus tridentatus* at the four sampling zones along the sampling months. From September to December 2012, the search records declined generally at all sampling zones during dry season. The horseshoe crabs were inactive and burrowed in the sediments during cold weather (<15 ºC). Similar results of low search record in dry seasons were reported in a previous territory-wide survey of horseshoe crab. For example, the search records at Tung Chung Wan were 0.17 individuals $hr^{-1}$ $person^{-1}$ and 0 individual $hr^{-1}$ $person^{-1}$ in wet season and dry season respectively (details see Li, 2008). From December 2012 to March 2013 (present survey), the search records increased at the three sampling zones with the increased ambient temperature. Therefore, significant changes of population structure or cohort pattern were not determined.

3.6.15 By comparing the search record and mean prosomal width of *Tachypleus tridentatus* among the sampling zones, ST was usually inhabited by more individuals of smaller size. Larger individuals were usually found at TC1 and TC3 at lower abundance. ST was believed a more important nursery ground for horseshoe crab especially newly hatched individuals. When reaching larger size of higher mobility, few individuals might migrate to nearby sampling zones TC1 and TC3 for foraging.

3.6.16 The present survey was the second 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 horseshoe crabs considering the factor of natural, seasonal variation, In case, abnormal phenomenon (e.g. very few numbers of horseshoe individuals in warm weather) is observed, it would be reported as soon as possible.

**Seagrass Beds**

3.6.17 **Table 3.3 and Figure 3.3** of **Appendix O** show the records of seagrass beds survey at every sampling zone. Three patches of *Halophila ovalis* were recorded nearby the mangrove vegetation at tidal level 2 m above C.D. at ST. The estimated total area and mean area were 528.8 $m^2$ and 176.3 $m^2$ respectively while the estimated coverage ranged 70-100%. One of the patches was a long seagrass strand with estimated total area 442.2 $m^2$.

3.6.18 Three small patches of *Zostera japonica* were found within the long strand of *Halophila ovalis*. The estimated total area and mean area were 10.4 $m^2$ and 3.5 $m^2$ respectively while the estimated coverage ranged 15-50% only. Since *Zostera japonica* was not reported in the previous surveys, it indicated the seasonal recruitment of this seagrass species between December and March.

3.6.19 **Figure 3.4 of Appendix O** shows the changes of estimated total area of seagrass beds *Halophila ovalis* at ST along the sampling months. Relative to previous surveys, the total area and estimated coverage increased gradually. Since the location of seagrass was the same, it was believed that scattered patches of seagrass grew and merged into single, large patch.

**Intertidal Soft Shore Communities**

3.6.20 **Table 3.4 and Figure 3.5** 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 investigating the substratum types (Gravels & Boulders / Sands / Soft mud) of the ten random quadrats along every horizontal transect.

3.6.21 The distribution of substratum types varied strongly among tidal levels and sampling zones. At TC1, even distribution of 'Gravels and Boulders' (50%) and 'Sands' (40%) were recorded at high tidal level. Higher percentage of 'Gravels and Boulders' (80-90%) was recorded at mid and low tidal levels. At TC2, high percentage of 'Sands' (70-90%) was recorded at high and mid tidal levels while 'Soft mud' was recorded only (100%) at low tidal level. At TC3, high percentage of 'Sands' (70-90%) was recorded at high and mid tidal levels followed by 'Soft mud' (10-30%). 'Gravels and Boulders' was recorded only (100%) at low tidal level. At ST, 'Gravels and Boulders' (100%) and 'Soft mud' (100%) were recorded only at high and low tidal levels respectively. Even distribution of 'Sands' (60%) and 'Gravels and Boulders' (40%) was recorded at mid tidal level.

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

3.6.23 **Table 3.5 of Appendix O** lists the total abundance, density and number of taxon of every phylum in the present survey. A total of 20159 individuals were recorded. Mollusks were significantly the most abundant phylum (total individuals 19714, density 657 individuals $m^{-2}$, relative abundance 97.8%). The second abundant group was arthropod (total individuals: 339, density 11 individuals $m^{-2}$, 1.7%) respectively. Relatively other phyla were very low in abundance (≤0.4%). Similarly, the most diverse phylum were mollusks (38 taxa) followed by annelids (14 taxa) and arthropods (12 taxa). The number of taxon of other phyla was relatively small (≤ 2 taxa). The complete list of collected specimens is provided in **Annex III of Appendix O**.

3.6.24 **Table 3.6 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: 2708-6491 individuals, relative abundance 92.5-99.3%). Arthropods were the second abundant phylum (no. of individuals: 30-201 individuals, 0.5-6.9%) although the number of individuals was significantly lower than that of mollusks. Relatively, other phyla were very low in abundance across the four sampling zones (< 1%).

3.6.25 **Table 3.7 of Appendix O** lists the abundant species (relative abundance >10%) at every sampling zone. At TC1, gastropod *Batillaria multiformis* was a clearly dominant species (203-693 individuals $m^{-2}$, relative abundance 31-89%) regardless of tidal levels. Rock oyster *Saccostrea cucullata* was the second abundant species (164-170 individuals $m^{-2}$, 16-26%) at mid and low tidal levels. Gastropod *Monodonta labio* was the third abundant species (151 individuals $m^{-2}$, 23%) at low tidal level.

3.6.26 At TC2, gastropod *Batillaria multiformis* was highly abundant (308 individuals $m^{-2}$, relative abundance 62%) at high tidal level followed by gastropod *Cerithidea djadjariensis* (86 individuals $m^{-2}$, 17%). At mid tidal level, gastropod *Cerithidea djadjariensis* was the most abundant (128 individuals $m^{-2}$, 34%) while rock oyster *Saccostrea cucullata* (72 individuals $m^{-2}$, 19%), gastropod *Batillaria zonalis* (50 individuals $m^{-2}$, 13%) and *Cerithidea cingulata* (43 individuals $m^{-2}$, 11%) were other abundant species at lower density. At low tidal level, the abundant species were gastropod *Batillaria zonalis* (76 individuals $m^{-2}$, 26%), *Cerithidea djadjariensis* (70 individuals $m^{-2}$, 24%), rock oyster *Saccostrea cucullata* (64 individuals $m^{-2}$, 22%) and barnacle *Balanus amphitrite* (50 individuals $m^{-2}$, 17%) at similar density.

3.6.27 At TC3, the high and mid tidal levels were mainly dominated by gastropods *Batillaria multiformis* (532-652 individuals $m^{-2}$, relative abundance 65-67%) and *Cerithidea djadjariensis* (166-214 individuals $m^{-2}$, 20-22%). At low tidal level, the abundant species were rock oyster *Saccostrea cucullata* (282 individuals $m^{-2}$, 34%), gastropods *Batillaria multiformis* (280 individuals $m^{-2}$, 34%) and *Monodonta labio* (154 individuals $m^{-2}$, 19%) at similar density.

3.6.28 At ST, gastropod *Batillaria multiformis* was highly abundant (845 individuals $m^{-2}$, relative abundance 75%) at high tidal level followed by gastropod *Monodonta labio* (114 individuals $m^{-2}$, 10%). At mid tidal level, rocky oyster *Saccostrea cucullata* (136 individuals $m^{-2}$, 25%) and gastropod *Cerithidea djadjariensis* (120 individuals $m^{-2}$, 22%) were abundant species at mid tidal level followed by gastropod *Batillaria multiformis* (62 individuals $m^{-2}$, 11%) at lower density. Relatively, the abundant species rocky oyster *Saccostrea cucullata* (39 individuals $m^{-2}$, 26%), gastropod *Batillaria zonalis* (32 individuals $m^{-2}$, 21%) and *Cerithidea djadjariensis* (31 individuals $m^{-2}$, 20%) were lower in density at low tidal level.

3.6.29 There was no consistent zonation pattern of species distribution observed across sampling zones and tidal levels in Tung Chung Wan and San Tau. The species distribution should be determined by the type of substratum primarily. In general, gastropod *Batillaria multiformis* (in present survey = 10710 individuals), *Cerithidea djadjariensis* (2367 individuals), *Monodonta labio* (1443 individuals) and rocky oyster *Saccostrea cucullata* (2653 individuals) were the most common occurring species among the four sampling zones.

3.6.30 Table 3.8 shows the mean values of number of species, density, *H'* and *J* of soft shore communities at every tidal level and sampling zone. Among the sampling zones, the mean number of species was similar and ranged 6-13 spp. 0.25 $m^{-2}$. The mean densities of TC1 (647-1020 individuals $m^{-2}$), TC3 (819-970 individuals $m^{-2}$) and ST (151-1126 individuals $m^{-2}$) were generally higher than that of TC2 (296-498 individuals $m^{-2}$). For ST, the mean density was obviously higher at high tidal level. The mean biodiversity index and species evenness were similar that ranged 1.12-1.40 and 0.50-0.65 respectively.

3.6.31 Across the tidal levels, there was no consistent pattern of the mean number of species and mean density. In general higher biodiversity index and species evenness were observed at lower tidal levels (1.0-1.5 m above C.D.).

3.6.32 **Figure 3.6 of Appendix O** shows the temporal changes of number of species, density, *H'* and *J* at every tidal level and sampling zone since the baseline monitoring survey (Sep 2012). No significant temporal change was observed at all sampling zones. Although declined densities were reported at sampling zones TC2 (mid and low tidal levels) and TC3 (high and mid tidal levels) in dry season (Dec 2012), it was believed a natural, seasonal variation due to higher mortality and lower activity rate of intertidal fauna during cold, dry season. The densities of both sampling zones had increased in the present survey with the warm weather.

3.6.33 The present survey was the second 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 intertidal soft shore community.

## 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 There were no Action and Limit Level exceedance for 1-hr TSP or 24-hr TSP recorded air quality were recorded during the reporting period.

**Noise**

4.1.3 There were 4 Action Level exceedances of noise were recorded during the reporting period. All noise exceedances were considered not related to project. No Limit Level exceedances for noise were recorded at the monitoring station during the reporting period.

**Water Quality**

4.1.4 During the reporting period, there are 16 Action Level exceedances and 87 Limit Level exceedances of suspended solids level. 8 Action Level exceedances and 78 Limit Level exceedances of turbidity level were recorded. No major marine works were undertaken near the monitoring stations. Geotextile installation, rock filling, silt curtain maintenance work and vessel maintenance work were being carried out within silt curtains near the restricted area during the sampling period. These activities were unlikely to cause adverse water quality impact. Therefore, all exceedances were considered not project 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 was one Action Level exceedance of dolphin monitoring for the quarterly monitoring data (March – May 2013). The possible reasons for Action Level non-compliance could be due to the seasonal fluctuation of dolphin occurrence in spring months in the Northeast Lantau region. According to AFCD long-term monitoring data, dolphins were infrequently sighted in NEL during spring months as compared to the other three seasons (Hung 2011, 2012), and the current AL non-compliance also occurred in NEL during spring months. There is no evidence showing the current AL non-compliance directly related to the construction works of HKLR03. 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. All dolphin protective measures are fully and properly implemented in accordance with the EM&A Manual. In order to minimise disturbance to the Brother's Island, the Contractor 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 possible.

## 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 | -- | -- | -- | -- | 2013-03-08 | --- | --- | 2013-03-18 | 1 | 1 |
| | Limit Level | -- | -- | -- | -- | 2013-03-22 | 2013-03-04<br>2013-03-08<br>2013-03-11<br>2013-03-18<br>2013-03-20<br>2013-03-22 | 2013-03-01<br>2013-03-04<br>2013-03-22 | 2013-03-01<br>2013-03-04<br>2013-03-06<br>2013-03-11<br>2013-03-13<br>2013-03-20<br>2013-03-22 | 4 | 13 |
| IS(Mf)6 | Action Level | -- | -- | -- | -- | -- | 2013-03-15 | -- | 2013-03-11 | 0 | 2 |
| | Limit Level | -- | -- | -- | -- | 2013-03-01<br>2013-03-08<br>2013-03-22 | 2013-03-01<br>2013-03-04<br>2013-03-06<br>2013-03-08<br>2013-03-11<br>2013-03-13<br>2013-03-20<br>2013-03-22 | 2013-03-01<br>2013-03-04<br>2013-03-08 | 2013-03-01<br>2013-03-04<br>2013-03-06<br>2013-03-13<br>2013-03-15<br>2013-03-22<br>2013-05-08 | 6 | 15 |
| IS7 | Action Level | -- | -- | -- | -- | 2013-03-04 | -- | -- | 2013-03-25<br>2013-05-08 | 1 | 2 |
| | Limit Level | -- | -- | -- | -- | 2013-03-08<br>2013-03-11 | 2013-03-01<br>2013-03-04<br>2013-03-06<br>2013-03-08<br>2013-03-11<br>2013-03-13<br>2013-03-15<br>2013-03-20<br>2013-03-22 | 2013-03-01<br>2013-03-04 | 2013-03-01<br>2013-03-04<br>2013-03-06<br>2013-03-08<br>2013-03-11<br>2013-03-13<br>2013-03-15<br>2013-03-22 | 4 | 17 |
| IS8 | Action Level | -- | -- | -- | -- | 2013-03-20 | -- | -- | 2013-04-10<br>2013 -05-08 | 1 | 2 |
| | Limit Level | -- | -- | -- | -- | 2013-03-01<br>2013-03-22 | 2013-03-04<br>2013-03-08<br>2013-03-11<br>2013-03-15<br>2013-03-20<br>2013-03-22 | 2013-03-01<br>2013-03-04<br>2013-03-20 | 2013-03-01<br>2013-03-11<br>2013-03-13<br>2013-03-15<br>2013-03-18<br>2013-03-22 | 5 | 12 |
| IS(Mf)9 | Action Level | -- | -- | -- | -- | -- | 2013-03-18 | 2013-03-29<br>2013-05-08 | -- | 2 | 1 |
| | Limit Level | -- | -- | -- | -- | 2013-03-22 | 2013-03-01<br>2013-03-04<br>2013-03-08<br>2013-03-11<br>2013-03-13<br>2013-03-15<br>2013-03-20<br>2013-03-22 | 2013-03-04<br>2013-03-20 | 2013-03-04<br>2013-03-08<br>2013-03-11<br>2013-03-13<br>2013-03-15<br>2013-03-20<br>2013-03-22 | 3 | 15 |
| IS10 | Action Level | -- | -- | -- | -- | -- | -- | 2013-03-01 | 2013-04-26 | 1 | 1 |
| | Limit Level | -- | -- | -- | -- | 2013-03-08<br>2013-03-22 | 2013-03-01<br>2013-03-04<br>2013-03-06<br>2013-03-08<br>2013-03-11<br>2013-03-15<br>2013-03-20<br>2013-03-22 | 2013-03-04 | 2013-03-01<br>2013-03-04<br>2013-03-06<br>2013-03-11<br>2013-03-13<br>2013-03-15<br>2013-03-20 | 3 | 15 |

| Station | Exceedance Level | DO (S&M) | | DO (Bottom) | | Turbidity | | SS | | Total Number of Exceedances | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Ebb | Flood | Ebb | Flood | Ebb | Flood | Ebb | Flood | Ebb | Flood |
| SR3 | Action Level | -- | -- | -- | -- | -- | -- | -- | -- | 0 | 0 |
| | Limit Level | -- | -- | -- | -- | -- | 2013-03-01<br>2013-03-04<br>2013-03-08<br>2013-03-11<br>2013-03-15<br>2013-03-18<br>2013-03-20<br>2013-03-22 | 2013-03-01<br>2013-03-04 | 2013-03-01<br>2013-03-04<br>2013-03-06<br>2013-03-11<br>2013-03-13<br>2013-03-15<br>2013-03-20<br>2013-03-22 | 2 | 16 |
| SR4 | Action Level | -- | -- | -- | -- | 2013-03-20 | -- | 2013-03-08 | 2013-03-08 | 2 | 1 |
| | Limit Level | -- | -- | -- | -- | -- | 2013-03-01<br>2013-03-04<br>2013-03-08<br>2013-03-11<br>2013-03-20<br>2013-03-22 | 2013-03-04<br>2013-03-20 | 2013-03-04<br>2013-03-06<br>2013-03-11<br>2013-03-13<br>2013-03-20<br>2013-03-22 | 2 | 12 |
| SR5 | Action Level | -- | -- | -- | -- | -- | 2013-03-08<br>2013-03-18 | -- | 2013-04-26 | 0 | 3 |
| | Limit Level | -- | -- | -- | -- | 2013-03-18<br>2013-03-22 | 2013-03-01<br>2013-03-04<br>2013-03-06<br>2013-03-15<br>2013-03-20<br>2013-03-22 | 2013-03-04<br>2013-03-18 | 2013-03-01<br>2013-03-04<br>2013-03-08<br>2013-03-11<br>2013-03-15<br>2013-03-20<br>2013-03-29 | 4 | 12 |
| SR10A | Action Level | -- | -- | -- | -- | -- | -- | -- | -- | 0 | 0 |
| | Limit Level | -- | -- | -- | -- | -- | -- | 2013-03-04 | 2013-03-01<br>2013-03-04 | 1 | 2 |
| SR10B | Action Level | -- | -- | -- | -- | -- | -- | -- | 2013-03-08<br>2013-03-18<br>2013-03-20 | 0 | 3 |
| | Limit Level | -- | -- | -- | -- | -- | -- | -- | 2013-03-01 | 0 | 1 |
| **Total** | **Action** | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 12 | 24** | |
| | **Limit** | 0 | 0 | 0 | 0 | 13 | 65 | 21 | 66 | 165** | |

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 seven environmental complaints received during this reporting period. 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. The summary of environmental complaints is presented in **Table 4.2**. The details of environmental complaints are presented in **Appendix N**.

**Table 4.2 Summary of Environmental Complaints for the Reporting Period**

| Environmental Complaint No. (1) | Date of Complaint Received | Description of Environmental Complaints |
|---|---|---|
| COM-2013-018 | 1 March 2013 | Noise |
| COM-2013-022 | 8 April 2013 | Water |
| COM-2013-018 (6), (7) & (9) | 15 April 2013 | Noise |
| COM-2013-018 (11) | 30 April 2013 | Noise |
| COM-2013-023 | 2 May 2013 | Noise |
| COM-2013-024 | 23 May 2013 | Noise |
| COM-2013-022(2) | 23 May 2013 | Water |

Remarks:
(1) If a complainant makes complaint for the same environmental issue, only one complaint number will be assigned for the complaint.

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

4.2.3 Statistics on complaints, 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 drip tray for the chemical containers at vessel Shing Yip 101.
- The Contractor was reminded to clean waste in the skip regularly.
- The Contractor was reminder to spray water on the unpaved roads regularly at West Portal.
- The Contractor was reminded to remove the stagnant water at Kwo Lo Wan Road.
- The Contractor was reminded to provide drip tray for the wastewater containers at vessel Chun Ming 83.
- The Contractor was reminded to provide drip tray for the chemical containers at vessel Sun Shun 2.
- The Contractor was reminded to spray water on the unpaved area regularly at Chun Ming 83.
- The Contractor was reminded to provide maintenance for the machine at S11.
- The Contractor was reminded to clear up the passageway of the vessel (Chung Ming 83) to avoid washing sand into sea.
- The Contractor was reminded to spray water on the unpaved road at West Portal.
- The Contractor was reminded to provide drip tray for the chemical containers at vessel Yiu Ming 1.
- The Contractor was reminded to clean up the stagnant water at Shing Yip 101.
- The Contractor was recommended to provide label/signs and lock on the wasted battery storage at WA N4.
- The Contractor was recommended to clean up the stagnant water and maintain the storage area in good condition at WA N4.
- The Contractor was reminded to clean up the stagnant water inside the concrete blocks at WA N4.
- The Contractor was reminded to clean up the stagnant water at WA03.
- The Contractor was reminded to provide clear label for the chemical containers at WA03.
- The Contractor was reminded to provide maintenance for the machine at stone column platform.
- The Contractor was reminded to clean up the stagnant water at West Portal.
- The Contractor was reminded to clean up the stagnant water in vessel Yiu Ming 01.
- The Contractor was reminded to provide water spray or covers to avoid dust generation at WA 03.
- The Contractor was reminded to provide drip tray for the chemical container in vessel Chung Ming 83.

- The Contractor was reminded to provide drip tray for the oil container at Stone Columns Platforms.
- The Contractor was reminded to provide drip tray for chemical containers at S5.
- The Contractor was reminded to display necessary environmental permits and licenses at the site entrance of S16.
- The Contractor was reminded to clean up the stagnant water at S16, Kwo Lo Wan Road and West Portal.
- The Contractor was reminded to provide labels for chemical waste containers at chemical waste store.
- The Contractor was reminded to clean up the stagnant water at S11.
- The Contractor was reminded to provide clear label for the chemical container at S16.
- The Contractor was reminded to clean up the stagnant water inside the chemical waste storage box at West portal.
- The Contractor was reminded to clean up the stagnant water at S9.
- The Contractor was reminded to provide drip trays for the chemical container at S8.
- The Contractor was reminded to clean up the stagnant water at S8.
- The Contractor was reminded to provide drip trays for the chemical waste containers on vessel Sun Shun 02.
- The Contractor was reminded to clean up the stagnant water inside the recesses for lifting eyes of concrete blocks at S16.
- The Contractor was reminded to clean up the stagnant water which inside the drip tray at S16.
- The Contractor was reminded to clean up the stagnant water on vessel Shing Yip 101.
- The Contractor was reminded to clean up the stagnant water on vessel Chang Sheung 2002.
- The Contractor was reminded to cover the cement mixing plant entirely in an impervious shelter with top and 3 sides.

## 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 and this is the third Quarterly EM&A Report summarises the monitoring results and audit findings of the EM&A programme during the reporting period from 1 March 2013 to 31 May 2013.

5.3.2 For air quality, there were no Action and Limit Level exceedances for 1-hr TSP or 24-hr TSP recorded during this reporting period.

5.3.3 For construction noise, there were 4 Action Level exceedances of noise were recorded during the reporting period. All noise exceedances were considered not related to project. No Limit Level exceedances for noise were recorded at the monitoring station during the reporting period.

5.3.4 During the reporting period, there are 16 Action Level exceedances and 87 Limit Level exceedances of suspended solids level. 8 Action Level exceedances and 78 Limit Level exceedances of turbidity level were recorded.

5.3.5 There was one Action Level exceedance of dolphin monitoring for the quarterly monitoring data (March – May 2013).

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, as the dolphin occurrence in the HKLR03 work sites remained rare as in the baseline period.

5.3.7 Although the occurrence of Chinese White Dolphins in NEL were much lower in the present three-month study period than the ones in the three-month baseline monitoring period, the dolphins do not appear to be affected by the HKLR03 reclamation works, as they rarely occurred in this area in the past (see Hung 2012) and during the baseline monitoring period.

5.3.8 Nevertheless, dolphin usage in North Lantau region should be continuously monitored, as there are indications that their occurrence in NEL has been affected by the various construction activities in relation to the HZMB works.

5.3.9 For sedimentation rate monitoring of mudflat, the measurement was generally and relatively higher than the baseline measurement at S3, S2 and S4. The mudflat level is continuously increased. For S1, 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 March 2013. The monitoring parameters included dissolved oxygen, turbidity and suspended solids.

5.3.11 An active search method was adopted for horseshoe crab survey at each sampling zone. In general, horseshoe crab *Tachypleus tridentatus* was found at TC1 (5 individuals), TC3 (2 individuals) and ST (15 individuals). All individuals were found on either soft mud or sandy substratum. The search records of *Tachypleus tridentatus* were 1.25 individuals $hr^{-1}$ $person^{-1}$ (mean prosomal widths: 40.68 mm) and 0.50 individuals $hr^{-1}$ $person^{-1}$ (34.71 mm) at TC1 and TC3, respectively. Similar to previous surveys, the highest search record of 3.00 individuals $hr^{-1}$ $person^{-1}$ (32.46 mm) was reported at ST. In the March 2013 survey, the search records increased at the three sampling zones with the increased ambient temperature. Therefore, significant changes of population structure or cohort pattern were not determined. Another horseshoe crab species *Carcinoscorpius rotundicauda*, reported at ST in previous survey (December 2012) was not encountered in the March 2013 survey.

5.3.12 An active search method was adopted for seagrass bed survey at each sampling zone. Three patches of *Halophila ovalis* were recorded nearby the mangrove vegetation at tidal level 2 m above C.D. at ST. The estimated total area and mean area were 528.8 $m^2$ and 176.3 $m^2$ respectively while the estimated coverage ranged 70-100%. One of the patches was a long seagrass strand with estimated total area 442.2 $m^2$. Three small patches of *Zostera japonica* were found within the long strand of *Halophila ovalis*. The estimated total area and mean area

were 10.4 $m^2$ and 3.5 $m^2$ respectively while the estimated coverage ranged 15-50% only. Since *Zostera japonica* was not reported in the previous surveys, it indicated the seasonal recruitment of this seagrass species between December and March. Relative to previous surveys, the total area and estimated coverage increased gradually. Since the location of seagrass was the same, it was believed that scattered patches of seagrass grew and merged into single, large patch.

5.3.13 The intertidal soft shore community surveys were conducted in low tide period on 2nd (for TC2), 3rd (for TC1), 10th (for TC3) and 16th March 2013 (for ST). A total of 20159 individuals were recorded. Mollusks were significantly the most abundant phylum (total individuals 19714, density 657 individuals $m^{-2}$, relative abundance 97.8%). The second abundant group was arthropod (total individuals: 339, density 11 individuals $m^{-2}$, 1.7%) respectively. Relatively other phyla were very low in abundance (≤0.4%). Similarly, the most diverse phylum were mollusks (38 taxa) followed by annelids (14 taxa) and arthropods (12 taxa). The number of taxon of other phyla was relatively small (≤ 2 taxa).

5.3.14 There was no consistent zonation pattern of species distribution observed across sampling zones and tidal levels in Tung Chung Wan and San Tau. The species distribution should be determined by the type of substratum primarily. In general, gastropod *Batillaria multiformis* (in present survey = 10710 individuals), *Cerithidea djadjariensis* (2367 individuals), *Monodonta labio* (1443 individuals) and rocky oyster *Saccostrea cucullata* (2653 individuals) were the most common occurring species among the four sampling zones.

5.3.15 The March 2013 survey results indicate that the impacts of the HKLR project could not be detected on horseshoe crabs, seagrass and intertidal soft shore community.

5.3.16 Environmental site inspection was carried out on 5, 12, 19 and 26 March, 2, 9, 17, 26 and 30 April, and 7, 14, 21 and 31 May 2013. Recommendations on remedial actions were given to the Contractors for the deficiencies identified during the site inspections.

5.3.17 There were seven environmental complaints received during this reporting period.

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

# FIGURES

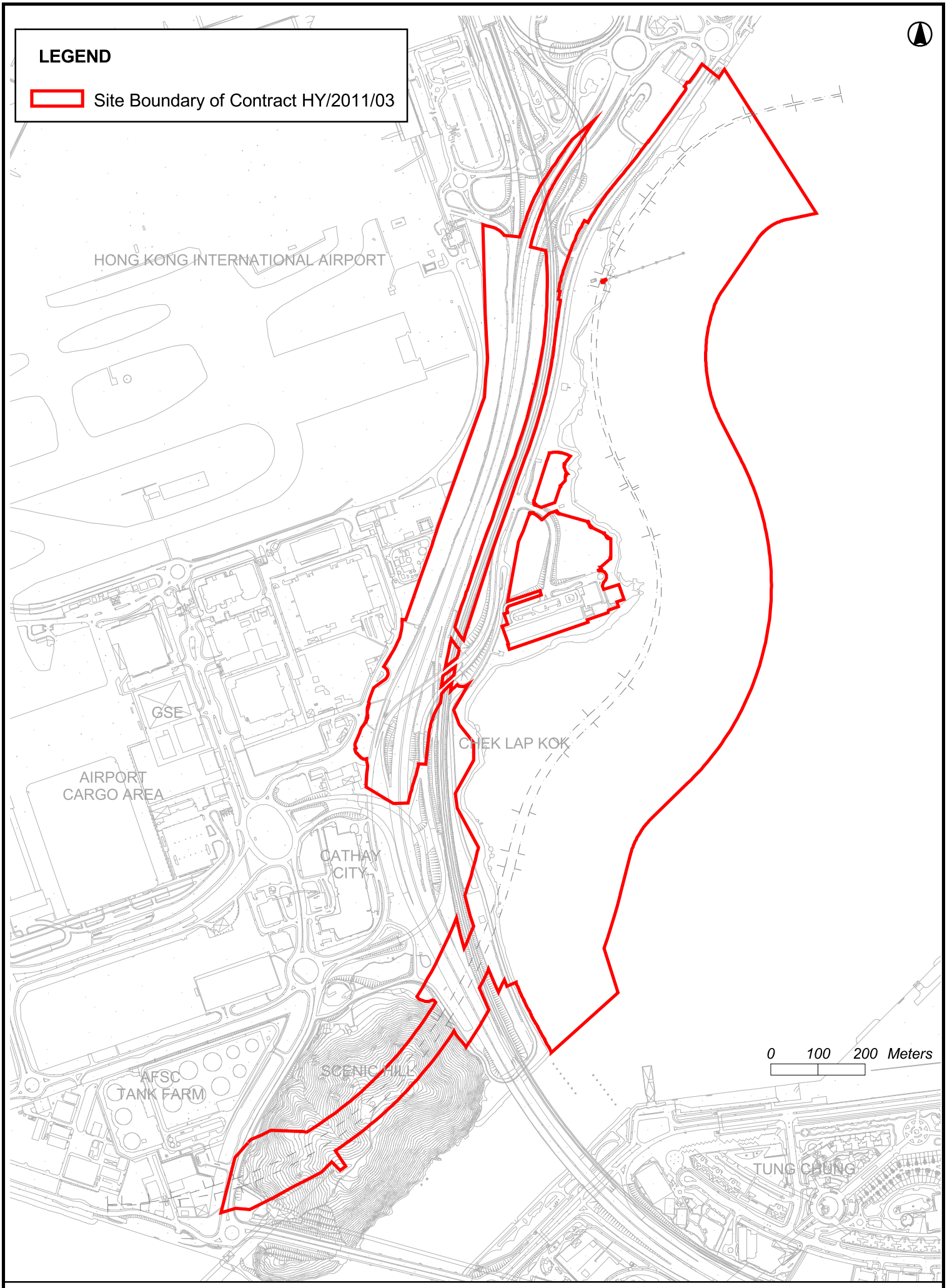


**Figure 1.1 Location of the Site**

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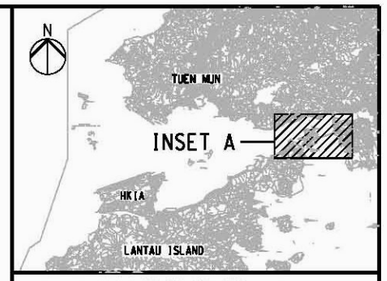
Water Monitoring Station

| Monitoring Stations | Coordinates | |
|---|---|---|
| | Easting | Northing |
| IS5 | 811579 | 817106 |
| IS(Mf)6 | 812101 | 817873 |
| IS7 | 812244 | 818777 |
| IS8 | 814251 | 818412 |
| IS(Mf)9 | 813273 | 818850 |
| IS10 | 812577 | 820670 |
| SR3 | 810525 | 816456 |
| SR4 | 814760 | 817867 |
| SR5 | 811489 | 820455 |
| SR10A | 823741 | 823495 |
| SR10B | 823686 | 823213 |
| CS2 | 805849 | 818780 |
| CS(Mf)5 | 817990 | 821129 |

INSET A

824500 N
822000 N
822500 E
825000 E
827500 E
N
SR10A
SR10B
TSING MA BRIDGE
TSING YI
MA WAN
LANTAU ISLAND

820000 N
805000 E
815000 E
CS2
HONG KONG INTERNATIONAL AIRPORT (HKIA)
HKSAR BOUNDARY
HZMB MAIN BRIDGE (BY OTHERS)
PROPOSED HKLR
PROPOSED HONG KONG LINK ROAD (HKLR)
SAN SHEK WAN
SHA LO WAN
MUDFLAT SURVEY (SAN TAU)
AIRPORT CHANNEL
SR5
IS10
IS7
AMS5
IS(Mf)6
IS5
SR3
AMS5
NMS5
TUNG CHUNG
MUDFLAT SURVEY (TUNG CHUNG BAY)
PROPOSED HONG KONG BOUNDARY CROSSING FACILITIES (HKBCF) (BY OTHERS)
PROPOSED TUEN MUN-CHEK LAP KOK LINK (BY OTHERS)
IS(Mf)9
IS8
SR4
CS(Mf)5
LANTAU ISLAND
810000 E




KEY PLAN

NOTES

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

LEGEND

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

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

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

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

Drawing title
ENVIRONMENTAL MONITORING STATIONS

| Drawing | | | Rev. |
|---|---|---|---|
| Figure 2.1 | | | A |
| Drawn: RY | Date: 11/11 | Checked: AW | Approved: SK |
| Scale: As shown | | Status: | |

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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

Printed by : 10/11/2011
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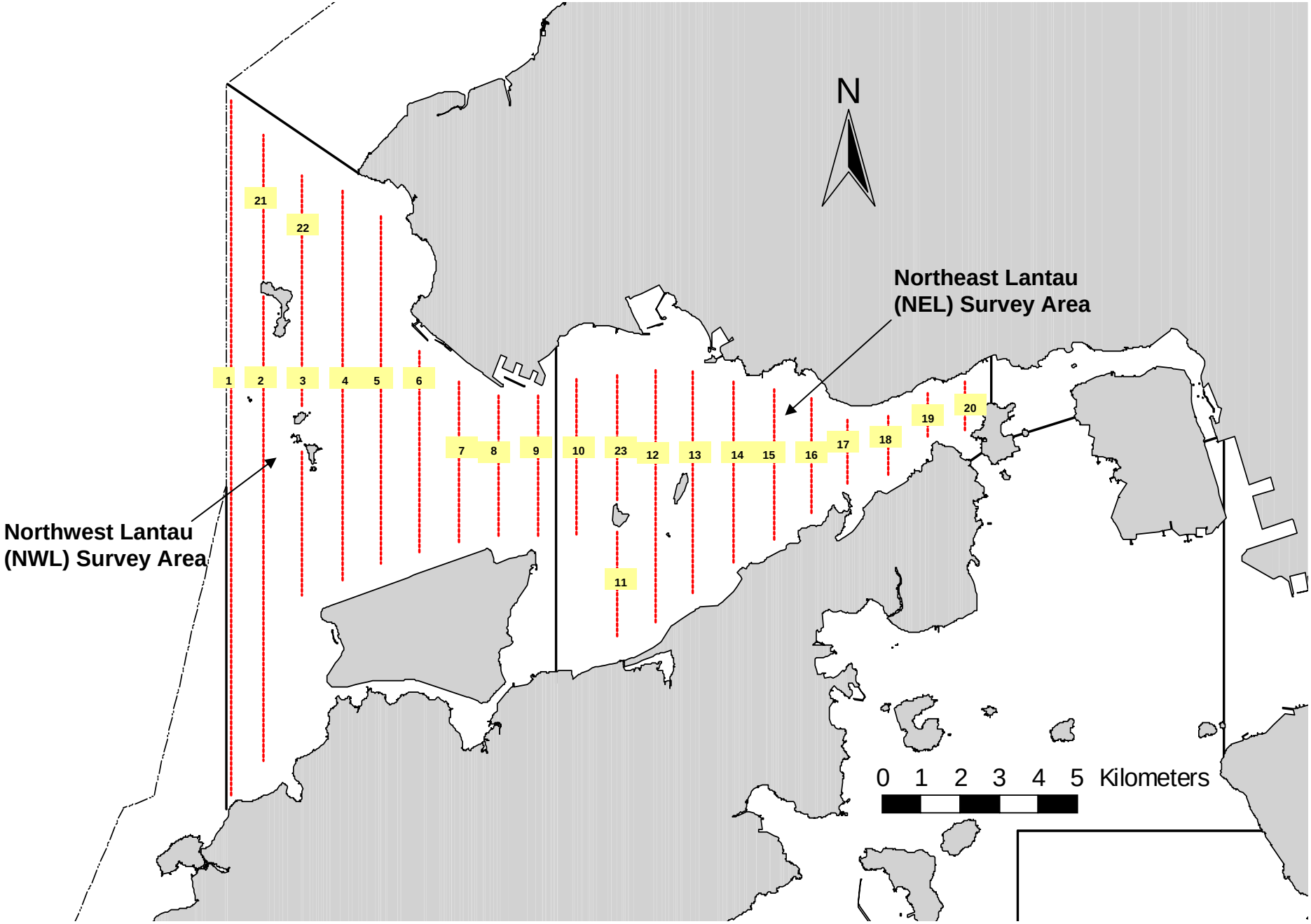



Figure 2.2 Transect Line Layout in Northwest and Northeast Lantau Survey Areas

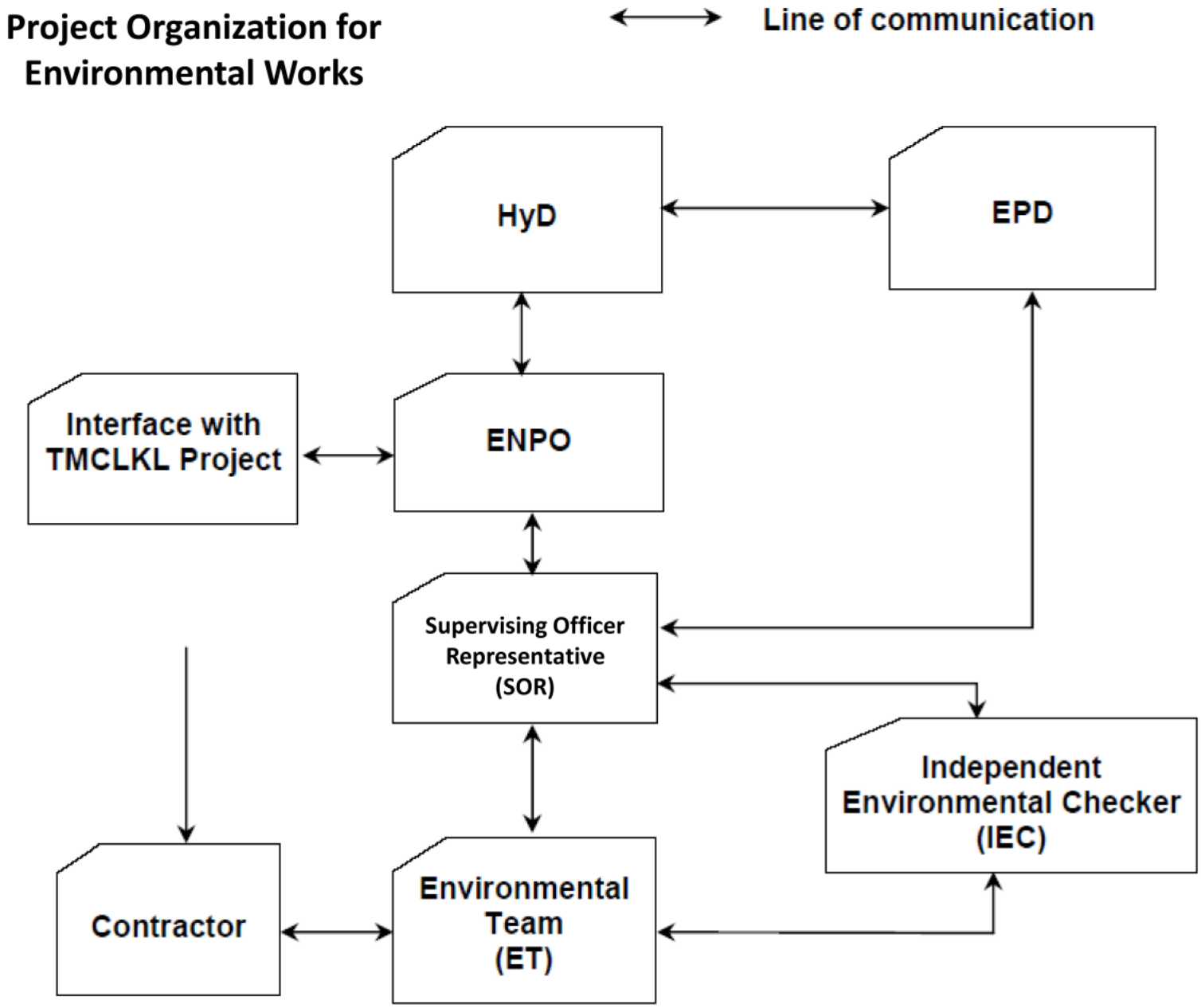
# APPENDIX A

## Environmental Management Structure

## Contact Information of Key Personnel

| Party | Position | Name | Telephone | Fax |
|---|---|---|---|---|
| Supervising Officer's Representative (Ove Arup & Partners Hong Kong Limited) | (Chief Resident Engineer, CRE) | Robert Antony Evans | 3968 0801 | 2109 1882 |
| Environmental Project Office / Independent Environmental Checker (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**



# APPENDIX B

Construction Programme

*FILE: 3M12-1*

*Sheet 1 of 3*

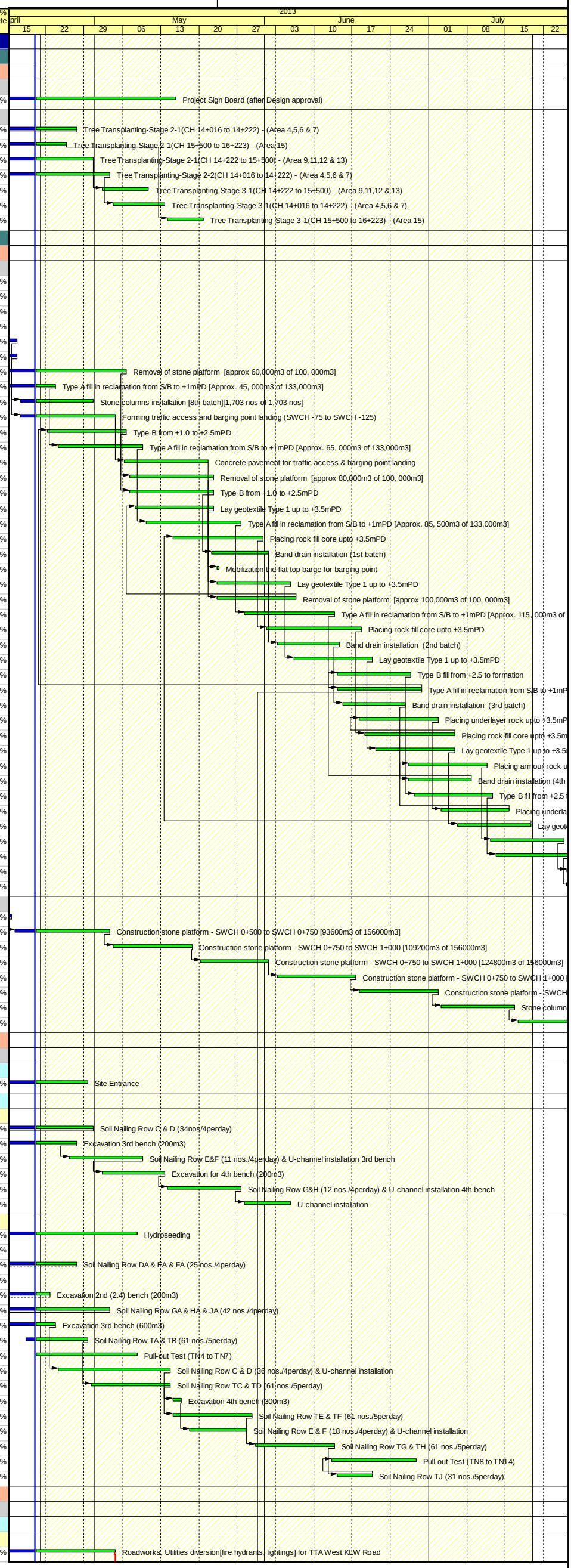
# 3-Months Rolling Programme (ER Part 5 & SCC 27(9))

# (May 2013 to July 2013)

*Layout HZMB - Layout 2 (3M Rolling Prog)(3M12)*

*TASK filters: 3M12, HZMB No Level Effort.*

| Activity ID | Activity Name | Dur. (days) | Start | Finish | Activity % Complete |
|---|---|---|---|---|---|
| **3 MONTHS PROGRAMME HY/2011/03 (MAY 2013 to JUL 2013)(Rev0)** | | | | | |
| **PRELIMINARIES (Site Establishment, Submissions, Permits & Licenses, Procurement)** | | | | | |
| **Site Estabalishment & Initial Works** | | | | | |
| **Contractors Mobilization and Site Accomodation & Sign Board** | | | | | |
| GPS1490 | Project Sign Board (after Design approval) | 14d | 04-Feb-13 A | 15-May-13 | 75% |
| **Tree Survey, Tree Felling and Transplanting** | | | | | |
| GPS1711 | Tree Transplanting-Stage 2-1(CH 14+016 to 14+222) - (Area 4,5,6 & 7) | 7d | 18-Feb-13 A | 27-Apr-13 | 80% |
| GPS1790 | Tree Transplanting-Stage 2-1(CH 15+500 to 16+223) - (Area 15) | 5d | 19-Feb-13 A | 25-Apr-13 | 80% |
| GPS1750 | Tree Transplanting-Stage 2-1(CH 14+222 to 15+500) - (Area 9,11,12 & 13) | 9d | 20-Feb-13 A | 30-Apr-13 | 80% |
| GPS1741 | Tree Transplanting-Stage 2-2(CH 14+016 to 14+222) - (Area 4,5,6 & 7) | 11d | 21-Feb-13 A | 03-May-13 | 80% |
| GPS1810 | Tree Transplanting-Stage 3-1(CH 14+222 to 15+500) - (Area 9,11,12 & 13) | 8d | 02-May-13 | 10-May-13 | 0% |
| GPS1760 | Tree Transplanting-Stage 3-1(CH 14+016 to 14+222) - (Area 4,5,6 & 7) | 8d | 04-May-13 | 13-May-13 | 0% |
| GPS1800 | Tree Transplanting-Stage 3-1(CH 15+500 to 16+223) - (Area 15) | 5d | 14-May-13 | 20-May-13 | 0% |
| **WORKS IN SOUTH AREA - CH 13+516 to CH 15+050 (SCENIC HILL TUNNEL, MT & CCT)** | | | | | |
| **Reclamation Works** | | | | | |
| **Reclamation Works - SWCH0+000 to SWCH 0+570** | | | | | |
| RSC1009-6 | Stone columns installation [6th batch][1,260 nos of 1,703 nos] | 13d | 13-Mar-13 A | 27-Mar-13 A | 100% |
| RSC1022-2 | Forming traffic access for barging point landing (SWCH 125 to SWCH 0) | 12d | 15-Mar-13 A | 28-Mar-13 A | 100% |
| RSC1014-3 | Removal of stone platform [approx 40,000m3 of 100, 000m3] | 13d | 19-Mar-13 A | 06-Apr-13 A | 100% |
| RSC1010-5 | Type A fill in reclamation from S/B to +1mPD [Approx. 37, 000m3 of 133,000m3] | 13d | 20-Mar-13 A | 08-Apr-13 A | 100% |
| RSC1009-7 | Stone columns installation [7th batch][1,470 nos of 1,703 nos] | 13d | 28-Mar-13 A | 16-Apr-13 A | 100% |
| RSC1022-3 | Forming traffic access and barging point landing (SWCH 0 to SWCH -75) | 12d | 02-Apr-13 A | 16-Apr-13 A | 100% |
| RSC1014-4 | Removal of stone platform [approx 60,000m3 of 100, 000m3] | 13d | 08-Apr-13 A | 06-May-13 | 1% |
| RSC1010-6 | Type A fill in reclamation from S/B to +1mPD [Approx. 45, 000m3 of 133,000m3] | 13d | 09-Apr-13 A | 23-Apr-13 | 5% |
| RSC1009-8 | Stone columns installation [8th batch][1,703 nos of 1,703 nos] | 12d | 17-Apr-13 A | 30-Apr-13 | 43.7% |
| RSC1022-4 | Forming traffic access and barging point landing (SWCH -75 to SWCH -125) | 13d | 17-Apr-13 A | 04-May-13 | 25% |
| RSC1011-1 | Type B from +1.0 to +2.5mPD | 12d | 22-Apr-13 | 06-May-13 | 0% |
| RSC1010-7 | Type A fill in reclamation from S/B to +1mPD [Approx. 65, 000m3 of 133,000m3] | 13d | 24-Apr-13 | 09-May-13 | 0% |
| RSC1022-5 | Concrete pavement for traffic access & barging point landing | 13d | 06-May-13 | 21-May-13 | 0% |
| RSC1014-5 | Removal of stone platform [approx 80,000m3 of 100, 000m3] | 13d | 07-May-13 | 22-May-13 | 0% |
| RSC1011-2 | Type B from +1.0 to +2.5mPD | 13d | 07-May-13 | 22-May-13 | 0% |
| RSC1015-1 | Lay geotextile Type 1 up to +3.5mPD | 12d | 08-May-13 | 22-May-13 | 0% |
| RSC1010-8 | Type A fill in reclamation from S/B to +1mPD [Approx. 85, 500m3 of 133,000m3] | 14d | 10-May-13 | 27-May-13 | 0% |
| RSC1016-1 | Placing rock fill core upto +3.5mPD | 14d | 15-May-13 | 31-May-13 | 0% |
| RSC1012-1 | Band drain installation (1st batch) | 10d | 22-May-13 | 01-Jun-13 | 0% |
| RSC1023 | Mobilization the flat top barge for barging point | 1d | 23-May-13 | 23-May-13 | 0% |
| RSC1015-2 | Lay geotextile Type 1 up to +3.5mPD | 12d | 23-May-13 | 05-Jun-13 | 0% |
| RSC1014-6 | Removal of stone platform [approx 100,000m3 of 100, 000m3] | 13d | 23-May-13 | 06-Jun-13 | 0% |
| RSC1010-9 | Type A fill in reclamation from S/B to +1mPD [Approx. 115, 000m3 of 133,000m3] | 14d | 28-May-13 | 13-Jun-13 | 0% |
| RSC1016-2 | Placing rock fill core upto +3.5mPD | 14d | 01-Jun-13 | 18-Jun-13 | 0% |
| RSC1012-2 | Band drain installation (2nd batch) | 10d | 03-Jun-13 | 14-Jun-13 | 0% |
| RSC1015-3 | Lay geotextile Type 1 up to +3.5mPD | 12d | 06-Jun-13 | 20-Jun-13 | 0% |
| RSC1013-1 | Type B fil from +2.5 to formation | 12d | 14-Jun-13 | 27-Jun-13 | 0% |
| RSC1010-10 | Type A fill in reclamation from S/B to +1mPD [Approx. 133, 000m3 of 133,000m3] | 14d | 14-Jun-13 | 29-Jun-13 | 0% |
| RSC1012-3 | Band drain installation (3rd batch) | 10d | 15-Jun-13 | 26-Jun-13 | 0% |
| RSC1017-1 | Placing underlayer rock upto +3.5mPD | 12d | 18-Jun-13 | 02-Jul-13 | 0% |
| RSC1016-3 | Placing rock fill core upto +3.5mPD | 14d | 19-Jun-13 | 05-Jul-13 | 0% |
| RSC1015-4 | Lay geotextile Type 1 up to +3.5mPD | 12d | 21-Jun-13 | 05-Jul-13 | 0% |
| RSC1018-1 | Placing armour rock up to +3.5mPD | 12d | 27-Jun-13 | 11-Jul-13 | 0% |
| RSC1012-4 | Band drain installation (4th batch) | 9d | 27-Jun-13 | 08-Jul-13 | 0% |
| RSC1013-2 | Type B fil from +2.5 to formation | 12d | 28-Jun-13 | 12-Jul-13 | 0% |
| RSC1017-2 | Placing underlayer rock upto +3.5mPD | 11d | 03-Jul-13 | 15-Jul-13 | 0% |
| RSC1015-5 | Lay geotextile Type 1 up to +3.5mPD | 12d | 06-Jul-13 | 19-Jul-13 | 0% |
| RSC1018-2 | Placing armour rock up to +3.5mPD | 12d | 12-Jul-13 | 25-Jul-13 | 0% |
| RSC1013-3 | Type B fil from +2.5 to formation | 12d | 13-Jul-13 | 26-Jul-13 | 0% |
| RSC1018-3 | Placing armour rock up to +3.5mPD | 12d | 26-Jul-13 | 08-Aug-13 | 0% |
| RSC1013-4 | Type B fil from +2.5 to formation | 12d | 27-Jul-13 | 09-Aug-13 | 0% |
| **Reclamation Works - SWCH0+570 to SWCH 1+000** | | | | | |
| RSC1071-1 | Construction stone platform - SWCH 0+500 to SWCH 0+750 [46800m3 of 156000m3] | 11d | 02-Apr-13 A | 15-Apr-13 A | 100% |
| RSC1071-2 | Construction stone platform - SWCH 0+500 to SWCH 0+750 [93600m3 of 156000m3] | 11d | 16-Apr-13 A | 03-May-13 | 80% |
| RSC1071-3 | Construction stone platform - SWCH 0+750 to SWCH 1+000 [109200m3 of 156000m3] | 12d | 04-May-13 | 18-May-13 | 0% |
| RSC1071-4 | Construction stone platform - SWCH 0+750 to SWCH 1+000 [124800m3 of 156000m3] | 12d | 20-May-13 | 01-Jun-13 | 0% |
| RSC1071-5 | Construction stone platform - SWCH 0+750 to SWCH 1+000 [140400m3 of 156000m3] | 12d | 03-Jun-13 | 17-Jun-13 | 0% |
| RSC1071-6 | Construction stone platform - SWCH 0+750 to SWCH 1+000 [156000m3 of 156000m3] | 12d | 18-Jun-13 | 02-Jul-13 | 0% |
| RSC1075-1 | Stone columns installation (315 nos of 2,722 nos) | 12d | 03-Jul-13 | 16-Jul-13 | 0% |
| RSC1075-2 | Stone columns installation (630 nos of 2,722 nos) | 12d | 17-Jul-13 | 30-Jul-13 | 0% |
| **SHT Mined Tunnel Works at Scenic Hill, Ch 13+516 to 14+016 (500m)** | | | | | |
| **Mined Tunnel West Portal Works** | | | | | |
| **Temporary Access Road** | | | | | |
| SHT9682 | Site Entrance | 8d | 15-Oct-12 A | 29-Apr-13 | 90% |
| **Site Formation** | | | | | |
| **Northwest Portion of Slope** | | | | | |
| SHT9705 | Soil Nailing Row C & D (34nos/4perday) | 9d | 21-Jan-13 A | 30-Apr-13 | 90% |
| SHT9707 | Excavation 3rd bench (200m3) | 8d | 25-Feb-13 A | 27-Apr-13 | 80% |
| SHT9708 | Soil Nailing Row E&F (11 nos./4perday) & U-channel installation 3rd bench | 11d | 26-Apr-13 | 09-May-13 | 0% |
| SHT9710 | Excavation for 4th bench (200m3) | 10d | 02-May-13 | 13-May-13 | 0% |
| SHT9711 | Soil Nailing Row G&H (12 nos./4perday) & U-channel installation 4th bench | 11d | 14-May-13 | 27-May-13 | 0% |
| SHT9712 | U-channel installation | 8d | 28-May-13 | 05-Jun-13 | 0% |
| **Southeast Portion of Slope** | | | | | |
| SHT9734 | Hydroseeding | 15d | 01-Feb-13 A | 08-May-13 | 50% |
| SHT9722 | Excavation 2nd (2.3) bench (200m3) | 4d | 19-Feb-13 A | 26-Mar-13 A | 100% |
| SHT9724 | Soil Nailing Row DA & EA & FA (25 nos./4perday) | 7d | 06-Mar-13 A | 27-Apr-13 | 75% |
| SHT9720 | Soil Nailing Row AA & BA & CA (16 nos./4perday) | 4d | 08-Mar-13 A | 28-Mar-13 A | 100% |
| SHT9725 | Excavation 2nd (2.4) bench (200m3) | 2d | 11-Mar-13 A | 22-Apr-13 | 90% |
| SHT9726 | Soil Nailing Row GA & HA & JA (42 nos./4perday) | 11d | 13-Mar-13 A | 03-May-13 | 45% |
| SHT9727 | Excavation 3rd bench (600m3) | 3d | 16-Mar-13 A | 23-Apr-13 | 70% |
| SHT9790 | Soil Nailing Row TA & TB (61 nos./5perday) | 12d | 18-Apr-13 A | 29-Apr-13 | 5% |
| SHT9812 | Pull-out Test (TN4 to TN7) | 15d | 20-Apr-13 | 08-May-13 | 0% |
| SHT9728 | Soil Nailing Row C & D (36 nos./4perday) & U-channel installation | 17d | 24-Apr-13 | 14-May-13 | 0% |
| SHT9810 | Soil Nailing Row TC & TD (61 nos./5perday) | 12d | 30-Apr-13 | 14-May-13 | 0% |
| SHT9729 | Excavation 4th bench (300m3) | 2d | 15-May-13 | 16-May-13 | 0% |
| SHT9820 | Soil Nailing Row TE & TF (61 nos./5perday) | 12d | 15-May-13 | 29-May-13 | 0% |
| SHT9730 | Soil Nailing Row E & F (18 nos./4perday) & U-channel installation | 9d | 18-May-13 | 28-May-13 | 0% |
| SHT9830 | Soil Nailing Row TG & TH (61 nos./5perday) | 12d | 30-May-13 | 13-Jun-13 | 0% |
| SHT9792 | Pull-out Test (TN8 to TN14) | 14d | 13-Jun-13 | 28-Jun-13 | 0% |
| SHT9840 | Soil Nailing Row TJ (31 nos./5perday) | 6d | 14-Jun-13 | 20-Jun-13 | 0% |
| **CCT Works across Airport Road at Ch 14+016 to 14+222 (206m)** | | | | | |
| **CCT at At Planter Area, Ch 14+031 to Ch 14+056** | | | | | |
| **Initial Works (@ West Kwo Lo Wan Road Area), TTA (@Airport Road)** | | | | | |
| **TTA @ Diversion West KLW Rd** | | | | | |
| SHT1995 | Roadworks, Utilities diversion[fire hydrants, lightings] for TTA West KLW Road | 12d | 16-Jan-13 A | 04-May-13 | 90% |




Works Programme

Works Programme

Works Programme

Milestone

Milestone

**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/CKK

| Date | Revision | Che... | Approved |
|---|---|---|---|
| 27-Apr-13 | | HKC | SYT |
| | | | |
| | | | |
| | | | |

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

*FILE: 3M12-1*

*Sheet 2 of 3*

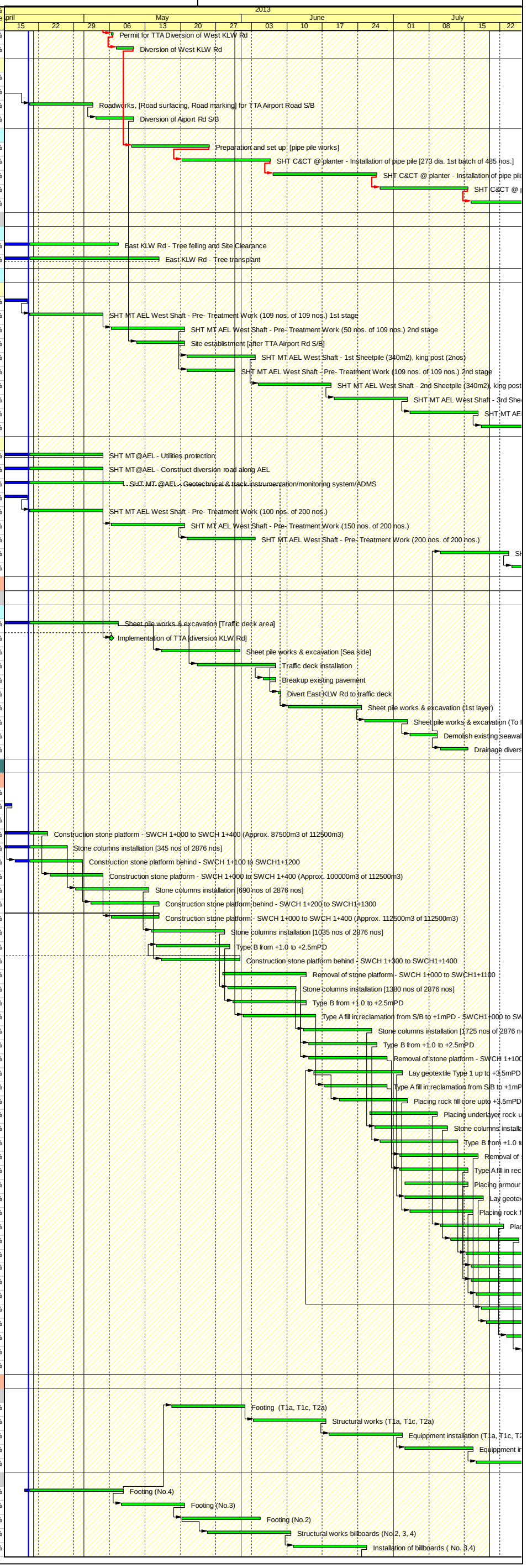
# 3-Months Rolling Programme (ER Part 5 & SCC 27(9))

# (May 2013 to July 2013)

*Layout HZMB - Layout 2 (3M Rolling Prog)(3M12)*

*TASK filters: 3M12, HZMB No Level Effort.*

| Activity ID | Activity Name | Dur. (days) | Start | Finish | Activity % Complete |
|---|---|---|---|---|---|
| SHT1996 | Permit for TTA Diversion of West KLW Rd | 1d | 06-May-13 | 06-May-13 | 0% |
| SHT1997 | Diversion of West KLW Rd | 4d | 07-May-13 | 10-May-13 | 0% |
| **TTA @ Diversion Airport Road N/B & S/B** | | | | | |
| SHT1134 | Roadworks(Site Clearance), Utilities diversion[fire hydrants, lightings] for TTA Airport Road S/B | 13d | 28-Feb-13 A | 15-Apr-13 A | 100% |
| SHT1135 | Roadworks(Existing Central Median), Utilities diversion[fire hydrants, lightings] for TTA Airport Road S | 13d | 06-Mar-13 A | 15-Apr-13 A | 100% |
| SHT1136 | Roadworks, [Road surfacing, Road marking] for TTA Airport Road S/B | 10d | 20-Apr-13 | 02-May-13 | 0% |
| SHT1137 | Diversion of Aiport Rd S/B | 7d | 03-May-13 | 10-May-13 | 0% |
| **Civil & Structurals Works** | | | | | |
| SHT1080 | Preparation and set up [pipe pile works] | 13d | 10-May-13 | 25-May-13 | 0% |
| SHT1081 | SHT C&CT @ planter - Installation of pipe pile [273 dia. 1st batch of 485 nos.] | 16d | 20-May-13 | 06-Jun-13 | 0% |
| SHT1082 | SHT C&CT @ planter - Installation of pipe pile [273 dia. 2nd batch of 485 nos.] | 17d | 07-Jun-13 | 27-Jun-13 | 0% |
| SHT1083 | SHT C&CT @ planter - Installation of pipe pile [273 dia. 3rd batch of 485 nos.] | 14d | 28-Jun-13 | 15-Jul-13 | 0% |
| SHT1084 | SHT C&CT @ planter - Installation of pipe pile [273 dia. 4 th batch of 485 nos.] | 14d | 16-Jul-13 | 31-Jul-13 | 0% |
| **Mined Tunnel Underneath AEL Ch 14+128 to Ch 14+175** | | | | | |
| **Initial Works (@ East Kwo Lo Wan Road Area)** | | | | | |
| SHT1710 | East KLW Rd - Tree felling and Site Clearance | 14d | 09-Jan-13 A | 07-May-13 | 80% |
| SHT1713 | East KLW Rd - Tree transplant | 7d | 09-Jan-13 A | 15-May-13 | 20% |
| **Civil & Structurals Works** | | | | | |
| **ELS for West Access Shaft (Retrieval Shaft)** | | | | | |
| SHT1811 | SHT MT AEL West Shaft - Pre- Treatment Work (50 nos. of 109 nos.) 1st stage | 12d | 06-Apr-13 A | 19-Apr-13 A | 100% |
| SHT1831 | SHT MT AEL West Shaft - Pre- Treatment Work (109 nos. of 109 nos.) 1st stage | 12d | 20-Apr-13 A | 04-May-13 | 40% |
| SHT1841 | SHT MT AEL West Shaft - Pre- Treatment Work (50 nos. of 109 nos.) 2nd stage | 12d | 06-May-13 | 20-May-13 | 0% |
| SHT1803 | Site establistment [after TTA Airport Rd S/B] | 7d | 11-May-13 | 20-May-13 | 0% |
| SHT1822 | SHT MT AEL West Shaft - 1st Sheetpile (340m2), king post (2nos) | 12d | 21-May-13 | 03-Jun-13 | 0% |
| SHT1851 | SHT MT AEL West Shaft - Pre- Treatment Work (109 nos. of 109 nos.) 2nd stage | 9d | 21-May-13 | 30-May-13 | 0% |
| SHT1823 | SHT MT AEL West Shaft - 2nd Sheetpile (340m2), king post (2nos) | 12d | 04-Jun-13 | 18-Jun-13 | 0% |
| SHT1824 | SHT MT AEL West Shaft - 3rd Sheetpile (340m2), king post (3nos) | 12d | 19-Jun-13 | 03-Jul-13 | 0% |
| SHT1832 | SHT MT AEL West Shaft - ELS works (1st layer) | 12d | 04-Jul-13 | 17-Jul-13 | 0% |
| SHT1833 | SHT MT AEL West Shaft - ELS works (2nd layer) | 12d | 18-Jul-13 | 31-Jul-13 | 0% |
| **ELS for East Access Shaft (Jacking Shaft)** | | | | | |
| SHT1853 | SHT MT@AEL - Utilities protection | 12d | 04-Dec-12 A | 04-May-13 | 80% |
| SHT1882 | SHT MT@AEL - Construct diversion road along AEL | 6d | 15-Jan-13 A | 04-May-13 | 90% |
| SHT1862 | SHT MT @AEL - Geotechnical & track instrumentation/monitoring system/ADMS | 14d | 23-Jan-13 A | 08-May-13 | 40% |
| SHT1861 | SHT MT AEL West Shaft - Pre- Treatment Work (40 nos. of 200 nos.) | 12d | 06-Apr-13 A | 19-Apr-13 A | 100% |
| SHT1871 | SHT MT AEL West Shaft - Pre- Treatment Work (100 nos. of 200 nos.) | 12d | 20-Apr-13 A | 04-May-13 | 3% |
| SHT1881 | SHT MT AEL West Shaft - Pre- Treatment Work (150 nos. of 200 nos.) | 12d | 06-May-13 | 20-May-13 | 0% |
| SHT1891 | SHT MT AEL West Shaft - Pre- Treatment Work (200 nos. of 200 nos.) | 12d | 21-May-13 | 03-Jun-13 | 0% |
| SHT1902 | SHT MT@AEL - East Shaft - 1st Sheetpile(40m2), king posts (1 no) | 12d | 10-Jul-13 | 23-Jul-13 | 0% |
| SHT1903 | SHT MT@AEL - East Shaft - 2nd Sheetpile(40m2), king posts (1 no) | 12d | 24-Jul-13 | 06-Aug-13 | 0% |
| **CCT Works over Reclaimed Area at Ch 14+222 to Ch 15+050 (828m)** | | | | | |
| **CCT Works - on New Reclamation [490m Approx.]** | | | | | |
| **Box Culvert Outfall PR10 Temporary Diversion** | | | | | |
| BC1019 | Sheet pile works & excavation [Traffic deck area] | 14d | 05-Feb-13 A | 07-May-13 | 30% |
| BC1016 | Implementation of TTA [diversion KLW Rd] | 0d | 06-May-13 | | 0% |
| BC1020 | Sheet pile works & excavation [Sea side] | 13d | 16-May-13 | 31-May-13 | 0% |
| BC1021 | Traffic deck installation | 14d | 23-May-13 | 07-Jun-13 | 0% |
| BC1022 | Breakup existing pavement | 3d | 05-Jun-13 | 07-Jun-13 | 0% |
| BC1023 | Divert East KLW Rd to traffic deck | 1d | 08-Jun-13 | 08-Jun-13 | 0% |
| BC1024 | Sheet pile works & excavation (1st layer) | 12d | 10-Jun-13 | 24-Jun-13 | 0% |
| BC1240 | Sheet pile works & excavation (To F.L) | 7d | 25-Jun-13 | 03-Jul-13 | 0% |
| BC1026 | Demolish existing seawall & Diversion of PR10 | 5d | 04-Jul-13 | 09-Jul-13 | 0% |
| BC1030 | Drainage diversion | 5d | 10-Jul-13 | 15-Jul-13 | 0% |
| **WORKS IN MIDDLE AREA CH15+050 to 15+500 ( HKLR AT GRADE, HAT MT, BRIDGE A1 & A2)** | | | | | |
| **Reclamation Works - SWCH1000 to 1400 (AHR 20mPD) & (12.5mPD)** | | | | | |
| RSC1040-5 | Construction stone platform - SWCH 1+000 to SWCH 1+400 (Approx. 62500m3 of 112500m3) | 9d | 19-Mar-13 A | 28-Mar-13 A | 100% |
| RSC1042-1 | Construction stone platform behind - SWCH 1+000 to SWCH1+1100 | 12d | 02-Apr-13 A | 16-Apr-13 A | 100% |
| RSC1040-6 | Construction stone platform - SWCH 1+000 to SWCH 1+400 (Approx. 75000m3 of 112500m3) | 9d | 02-Apr-13 A | 12-Apr-13 A | 100% |
| RSC1040-7 | Construction stone platform - SWCH 1+000 to SWCH 1+400 (Approx. 87500m3 of 112500m3) | 9d | 13-Apr-13 A | 23-Apr-13 | 95% |
| RSC1044-1 | Stone columns installation [345 nos of 2876 nos] | 12d | 15-Apr-13 A | 27-Apr-13 | 0.4% |
| RSC1042-2 | Construction stone platform behind - SWCH 1+100 to SWCH1+1200 | 12d | 17-Apr-13 A | 30-Apr-13 | 40% |
| RSC1040-8 | Construction stone platform - SWCH 1+000 to SWCH 1+400 (Approx. 100000m3 of 112500m3) | 9d | 24-Apr-13 | 04-May-13 | 0% |
| RSC1044-2 | Stone columns installation [690 nos of 2876 nos] | 12d | 29-Apr-13 | 13-May-13 | 0% |
| RSC1042-3 | Construction stone platform behind - SWCH 1+200 to SWCH1+1300 | 12d | 02-May-13 | 15-May-13 | 0% |
| RSC1040-9 | Construction stone platform - SWCH 1+000 to SWCH 1+400 (Approx. 112500m3 of 112500m3) | 9d | 06-May-13 | 15-May-13 | 0% |
| RSC1044-3 | Stone columns installation [1035 nos of 2876 nos] | 12d | 14-May-13 | 28-May-13 | 0% |
| RSC1043-1 | Type B from +1.0 to +2.5mPD | 12d | 15-May-13 | 29-May-13 | 0% |
| RSC1042-4 | Construction stone platform behind - SWCH 1+300 to SWCH1+1400 | 13d | 16-May-13 | 31-May-13 | 0% |
| RSC1047-1 | Removal of stone platform - SWCH 1+000 to SWCH1+1100 | 14d | 28-May-13 | 13-Jun-13 | 0% |
| RSC1044-4 | Stone columns installation [1380 nos of 2876 nos] | 12d | 29-May-13 | 11-Jun-13 | 0% |
| RSC1043-2 | Type B from +1.0 to +2.5mPD | 12d | 30-May-13 | 13-Jun-13 | 0% |
| RSC1041-1 | Type A fill in reclamation from S/B to +1mPD - SWCH1+000 to SWCH1+050 | 12d | 01-Jun-13 | 15-Jun-13 | 0% |
| RSC1044-5 | Stone columns installation [1725 nos of 2876 nos] | 12d | 13-Jun-13 | 26-Jun-13 | 0% |
| RSC1043-3 | Type B from +1.0 to +2.5mPD | 12d | 14-Jun-13 | 27-Jun-13 | 0% |
| RSC1047-2 | Removal of stone platform - SWCH 1+100 to SWCH1+1200 | 14d | 14-Jun-13 | 29-Jun-13 | 0% |
| RSC1048-1 | Lay geotextile Type 1 up to +3.5mPD | 14d | 15-Jun-13 | 02-Jul-13 | 0% |
| RSC1041-2 | Type A fill in reclamation from S/B to +1mPD - SWCH1+050 to SWCH1+100 | 12d | 17-Jun-13 | 29-Jun-13 | 0% |
| RSC1049-1 | Placing rock fill core upto +3.5mPD | 11d | 20-Jun-13 | 03-Jul-13 | 0% |
| RSC1050-1 | Placing underlayer rock upto +3.5mPD | 11d | 26-Jun-13 | 09-Jul-13 | 0% |
| RSC1044-6 | Stone columns installation [2070 nos of 2876 nos] | 12d | 27-Jun-13 | 11-Jul-13 | 0% |
| RSC1043-4 | Type B from +1.0 to +2.5mPD | 13d | 28-Jun-13 | 13-Jul-13 | 0% |
| RSC1047-3 | Removal of stone platform - SWCH 1+200 to SWCH1+1300 | 14d | 02-Jul-13 | 17-Jul-13 | 0% |
| RSC1041-3 | Type A fill in reclamation from S/B to +1mPD - SWCH1+100 to SWCH1+150 | 12d | 02-Jul-13 | 15-Jul-13 | 0% |
| RSC1051-1 | Placing armour rock up to +3.5mPD | 11d | 03-Jul-13 | 15-Jul-13 | 0% |
| RSC1048-2 | Lay geotextile Type 1 up to +3.5mPD | 14d | 03-Jul-13 | 18-Jul-13 | 0% |
| RSC1049-2 | Placing rock fill core upto +3.5mPD | 11d | 04-Jul-13 | 16-Jul-13 | 0% |
| RSC1050-2 | Placing underlayer rock upto +3.5mPD | 11d | 10-Jul-13 | 22-Jul-13 | 0% |
| RSC1044-7 | Stone columns installation [2415 nos of 2876 nos] | 12d | 12-Jul-13 | 25-Jul-13 | 0% |
| RSC1045-1 | Band drain installation [1st batch) | 12d | 15-Jul-13 | 27-Jul-13 | 0% |
| RSC1041-4 | Type A fill in reclamation from S/B to +1mPD - SWCH1+150 to SWCH1+200 | 12d | 16-Jul-13 | 29-Jul-13 | 0% |
| RSC1051-2 | Placing armour rock up to +3.5mPD | 11d | 16-Jul-13 | 27-Jul-13 | 0% |
| RSC1049-3 | Placing rock fill core upto +3.5mPD | 11d | 17-Jul-13 | 29-Jul-13 | 0% |
| RSC1047-4 | Removal of stone platform - SWCH 1+300 to SWCH1+1400 | 13d | 18-Jul-13 | 01-Aug-13 | 0% |
| RSC1048-3 | Lay geotextile Type 1 up to +3.5mPD | 14d | 19-Jul-13 | 03-Aug-13 | 0% |
| RSC1050-3 | Placing underlayer rock upto +3.5mPD | 11d | 23-Jul-13 | 03-Aug-13 | 0% |
| RSC1044-8 | Stone columns installation [2760 nos of 2876 nos] | 12d | 26-Jul-13 | 08-Aug-13 | 0% |
| RSC1064-1 | Placing under layer rock from +3.5mPD to Top | 14d | 27-Jul-13 | 12-Aug-13 | 0% |
| **Flight Information Signs (PARDS) & Billboards- Reprovisioning Works** | | | | | |
| **PARDS - Construction T1a, T1c, T2a** | | | | | |
| PARDS100 | Footing (T1a, T1c, T2a) | 13d | 18-May-13* | 01-Jun-13 | 0% |
| PARDS101 | Structural works (T1a, T1c, T2a) | 12d | 03-Jun-13 | 17-Jun-13 | 0% |
| PARDS110 | Equippment installation (T1a, T1c, T2a) | 12d | 18-Jun-13 | 02-Jul-13 | 0% |
| PARDS111 | Equippment installation (T1a, T1c, T2a) | 12d | 03-Jul-13 | 16-Jul-13 | 0% |
| PARDS120 | Testing and Commissioning | 12d | 17-Jul-13 | 30-Jul-13 | 0% |
| **Relocation of Billboards** | | | | | |
| PARDS200 | Footing (No.4) | 16d | 19-Apr-13 A | 08-May-13 | 15% |
| PARDS201 | Footing (No.3) | 10d | 08-May-13 | 20-May-13 | 0% |
| PARDS202 | Footing (No.2) | 14d | 20-May-13 | 04-Jun-13 | 0% |
| PARDS210 | Structural works billboards (No.2, 3, 4) | 14d | 25-May-13 | 10-Jun-13 | 0% |
| PARDS220 | Installation of billboards ( No. 3,4) | 12d | 11-Jun-13 | 25-Jun-13 | 0% |



*FILE: 3M12-1*

*Sheet 3 of 3*

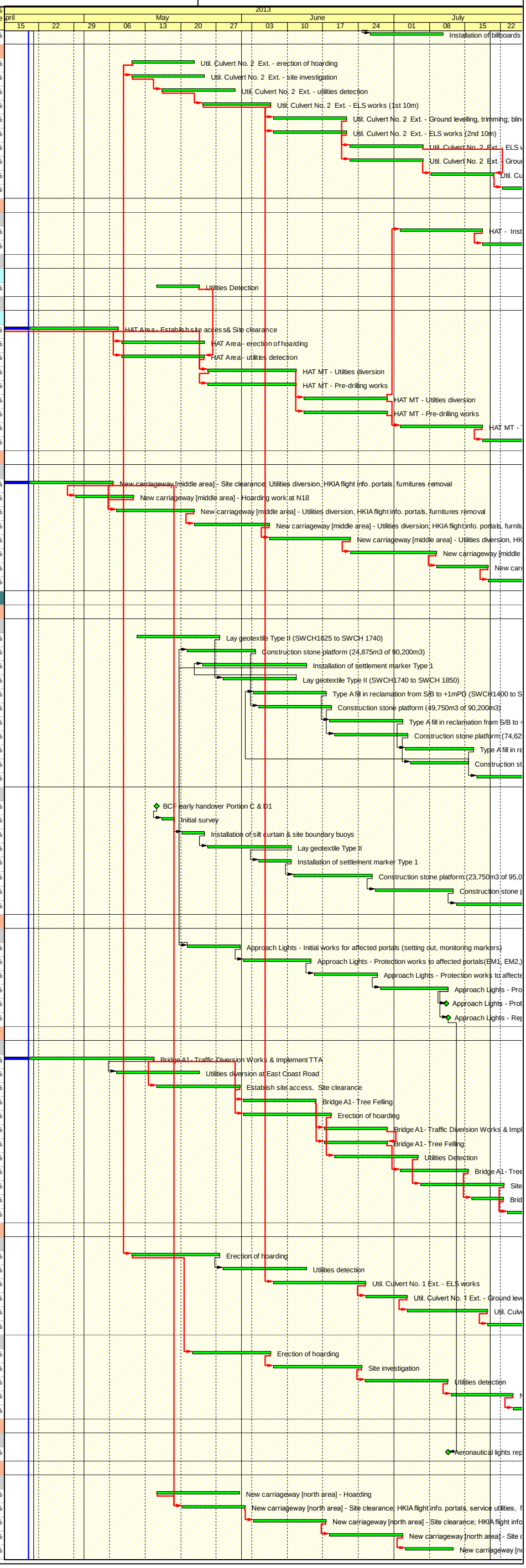
# 3-Months Rolling Programme (ER Part 5 & SCC 27(9))

# (May 2013 to July 2013)

*Layout HZMB - Layout 2 (3M Rolling Prog)(3M12)*

*TASK filters: 3M12, HZMB No Level Effort.*

| Activity ID | Activity Name | Dur. (days) | Start | Finish | Activity % Complete |
|---|---|---|---|---|---|
| PARDS230 | Installation of billboards ( No.2) | 12d | 26-Jun-13 | 10-Jul-13 | 0% |
| **Utility Culvert No. 2 Ext. near Bridge A2 [30m Approx.]** | | | | | |
| UC2.1002 | Util. Culvert No. 2 Ext. - erection of hoarding | 10d | 10-May-13 | 22-May-13 | 0% |
| UC2.1004 | Util. Culvert No. 2 Ext. - site investigation | 12d | 10-May-13 | 24-May-13 | 0% |
| UC2.1006 | Util. Culvert No. 2 Ext. - utilities detection | 12d | 16-May-13 | 30-May-13 | 0% |
| UC2.1010 | Util. Culvert No. 2 Ext. - ELS works (1st 10m) | 12d | 24-May-13 | 06-Jun-13 | 0% |
| UC2.1020 | Util. Culvert No. 2 Ext. - Ground levelling, trimming; blinding layer (1st 10m) | 12d | 07-Jun-13 | 21-Jun-13 | 0% |
| UC2.1011 | Util. Culvert No. 2 Ext. - ELS works (2nd 10m) | 12d | 07-Jun-13 | 21-Jun-13 | 0% |
| UC2.1012 | Util. Culvert No. 2 Ext. - ELS works (3rd 10m) | 12d | 22-Jun-13 | 06-Jul-13 | 0% |
| UC2.1021 | Util. Culvert No. 2 Ext. - Ground levelling, trimming; blinding layer (2nd 10m) | 12d | 22-Jun-13 | 06-Jul-13 | 0% |
| UC2.1022 | Util. Culvert No. 2 Ext. - Ground levelling, trimming; blinding layer (3rd 10m) | 12d | 08-Jul-13 | 20-Jul-13 | 0% |
| UC2.1030 | Util. Culvert No. 2 Ext. - Culvert structure | 14d | 22-Jul-13 | 06-Aug-13 | 0% |
| **Works in HAT Tunnel (Mined Tunnel and West CCT w/ Emergency Pedestrian Passage** | | | | | |
| **Initial Works** | | | | | |
| HAT1590 | HAT - Install geotechnical & track instrumentation/monitoring system (1st batch) | 14d | 02-Jul-13 | 18-Jul-13 | 0% |
| HAT1591 | HAT - Install geotechnical & track instrumentation/monitoring system (2nd batch) | 14d | 18-Jul-13 | 03-Aug-13 | 0% |
| **CCT for HAT across Airport Road [200m Approx.]** | | | | | |
| **Utilities Diversion and SI Works** | | | | | |
| HAT1532 | Utilities Detection | 7d | 15-May-13* | 23-May-13 | 0% |
| **Mined Tunnel for HAT underneath AEL & at East Coast Road [97m Approx.]** | | | | | |
| **Utilities Diversion, SI Works and Temp. Access Shaft** | | | | | |
| HAT1552 | HAT Area - Establish site access& Site clearance | 14d | 27-Nov-12 A | 07-May-13 | 25% |
| HAT1554 | HAT Area - erection of hoarding | 14d | 08-May-13 | 24-May-13 | 0% |
| HAT1558 | HAT Area - utilities detection | 14d | 08-May-13 | 24-May-13 | 0% |
| HAT1550 | HAT MT - Utilties diversion | 15d | 25-May-13 | 11-Jun-13 | 0% |
| HAT1560 | HAT MT - Pre-drilling works | 15d | 25-May-13 | 11-Jun-13 | 0% |
| HAT1551 | HAT MT - Utilties diversion | 15d | 13-Jun-13 | 29-Jun-13 | 0% |
| HAT1561 | HAT MT - Pre-drilling works | 15d | 13-Jun-13 | 29-Jun-13 | 0% |
| HAT1570 | HAT MT - Temporary east access shaft | 14d | 02-Jul-13 | 18-Jul-13 | 0% |
| HAT1571 | HAT MT - Temporary east access shaft; Steel road decking[1st layer] | 18d | 18-Jul-13 | 08-Aug-13 | 0% |
| **New Carriageway & Modification of Existing Roads** | | | | | |
| **New Carriageway adjacent to HKIA [615m Approx.]** | | | | | |
| NCW1040 | New carriageway [middle area] - Site clearance; Utilities diversion, HKIA flight info. portals , furnitures | 13d | 20-Dec-12 A | 06-May-13 | 5% |
| NCW1039 | New carriageway [middle area] - Hoarding work at N18 | 10d | 29-Apr-13 | 10-May-13 | 0% |
| NCW1041 | New carriageway [middle area] - Utilities diversion, HKIA flight info. portals, furnitures removal | 13d | 07-May-13 | 22-May-13 | 0% |
| NCW1042 | New carriageway [middle area] - Utilities diversion, HKIA flight info. portals, furnitures removal | 13d | 22-May-13 | 06-Jun-13 | 0% |
| NCW1043 | New carriageway [middle area] - Utilities diversion, HKIA flight info. portals, furnitures removal | 13d | 06-Jun-13 | 22-Jun-13 | 0% |
| NCW1044 | New carriageway [middle area] - Utilities diversion, HKIA flight info. portals, furnitures removal | 13d | 22-Jun-13 | 09-Jul-13 | 0% |
| NCW1045 | New carriageway [middle area] - Utilities diversion, HKIA flight info. portals, furnitures removal | 10d | 09-Jul-13 | 19-Jul-13 | 0% |
| NCW1046 | New carriageway [middle area] - Utilities diversion, HKIA flight info. portals, furnitures removal | 13d | 19-Jul-13 | 07-Aug-13 | 0% |
| **WORKS IN NORTH AREA - CH 15+500 to CH 16+223 (HKLR AT GRADE & ROADWORKS)** | | | | | |
| **Reclamation & Seawall Const. [723m Approx.]** | | | | | |
| **Remaining Portion From SWCH1400 to 1830 (AHR 15 to 20mPD)[Except Zone D)** | | | | | |
| RSC1103-1 | Lay geotextile Type II (SWCH1625 to SWCH 1740) | 13d | 11-May-13 | 27-May-13 | 0% |
| RSC1106-1 | Construction stone platform (24,875m3 of 90,200m3) | 12d | 21-May-13 | 03-Jun-13 | 0% |
| RSC1114 | Installation of settlement marker Type 1 | 17d | 24-May-13 | 13-Jun-13 | 0% |
| RSC1103-2 | Lay geotextile Type II (SWCH1740 to SWCH 1850) | 13d | 28-May-13 | 11-Jun-13 | 0% |
| RSC1107-1 | Type A fill in reclamation from S/B to +1mPD (SWCH1400 to SWCH 1475) | 12d | 03-Jun-13 | 17-Jun-13 | 0% |
| RSC1106-2 | Construction stone platform (49,750m3 of 90,200m3) | 12d | 04-Jun-13 | 18-Jun-13 | 0% |
| RSC1107-2 | Type A fill in reclamation from S/B to +1mPD (SWCH1475 to SWCH 1550) | 12d | 18-Jun-13 | 02-Jul-13 | 0% |
| RSC1106-3 | Construction stone platform (74,625m3 of 90,200m3) | 12d | 19-Jun-13 | 03-Jul-13 | 0% |
| RSC1107-3 | Type A fill in reclamation from S/B to +1mPD (SWCH1550 to SWCH 1625) | 12d | 03-Jul-13 | 16-Jul-13 | 0% |
| RSC1106-4 | Construction stone platform (99,500m3 of 90,200m3) | 10d | 04-Jul-13 | 15-Jul-13 | 0% |
| RSC1107-4 | Type A fill in reclamation from S/B to +1mPD (SWCH1625 to SWCH 1700) | 13d | 17-Jul-13 | 31-Jul-13 | 0% |
| **Portion C & D1 From SWCH1850 to 2070 (AHR 17.5 to 20mPD)** | | | | | |
| RSC1126 | BCF early handover Portion C & D1 | 0d | 15-May-13* | | 0% |
| RSC1127 | Initial survey | 2d | 16-May-13 | 18-May-13 | 0% |
| RSC1128 | Installation of silt curtain & site boundary buoys | 5d | 20-May-13 | 24-May-13 | 0% |
| RSC1131 | Lay geotextile Type II | 14d | 25-May-13 | 10-Jun-13 | 0% |
| RSC1132 | Installation of settlement marker Type 1 | 6d | 04-Jun-13 | 10-Jun-13 | 0% |
| RSC1133-1 | Construction stone platform (23,750m3 of 95,000m3) | 13d | 11-Jun-13 | 26-Jun-13 | 0% |
| RSC1133-2 | Construction stone platform (47,500m3 of 95,000m3) | 13d | 27-Jun-13 | 12-Jul-13 | 0% |
| RSC1133-3 | Construction stone platform (71,250m3 of 95,000m3) | 13d | 13-Jul-13 | 27-Jul-13 | 0% |
| **Reprovisioning Works** | | | | | |
| **Protection Works to Existing Approach Lights & Weather Station** | | | | | |
| RSC1105-1 | Approach Lights - Initial works for affected portals (setting out, monitoring markers) | 10d | 21-May-13 | 31-May-13 | 0% |
| RSC1105-2 | Approach Lights - Protection works to affected portals(EM1, EM2,) | 11d | 01-Jun-13 | 14-Jun-13 | 0% |
| RSC1105-3 | Approach Lights - Protection works to affected portals (EM3, EM4) | 11d | 15-Jun-13 | 27-Jun-13 | 0% |
| RSC1105-4 | Approach Lights - Protection works to affected portals (EM5) | 11d | 28-Jun-13 | 11-Jul-13 | 0% |
| AL1010 | Approach Lights - Protection works to affected portals; maintenance of protection measures | 0d | 11-Jul-13 | | 0% |
| AL1030 | Approach Lights - Reprovision works Complete | 0d | | 11-Jul-13 | 0% |
| **Works in Bridge A1 & Depressed Road** | | | | | |
| **Bridge A1 - Initial Works and SI Works** | | | | | |
| BA1.1350 | Bridge A1- Traffic Diversion Works & Implement TTA | 12d | 18-Jan-13 A | 14-May-13 | 15% |
| BA1.1360 | Utilities diversion at East Coast Road | 14d | 07-May-13 | 23-May-13 | 0% |
| BA1.1412 | Establish site access, Site clearance | 14d | 15-May-13 | 31-May-13 | 0% |
| BA1.1370 | Bridge A1- Tree Felling | 12d | 01-Jun-13 | 15-Jun-13 | 0% |
| BA1.1414 | Erection of hoarding | 14d | 01-Jun-13 | 18-Jun-13 | 0% |
| BA1.1351 | Bridge A1- Traffic Diversion Works & Implement TTA | 12d | 17-Jun-13 | 29-Jun-13 | 0% |
| BA1.1371 | Bridge A1- Tree Felling | 12d | 17-Jun-13 | 29-Jun-13 | 0% |
| BA1.1416 | Utilities Detection | 14d | 19-Jun-13 | 05-Jul-13 | 0% |
| BA1.1372 | Bridge A1- Tree Transplanting | 12d | 02-Jul-13 | 15-Jul-13 | 0% |
| BA1.1418 | Site Investigation | 14d | 06-Jul-13 | 22-Jul-13 | 0% |
| BA1.1373 | Bridge A1- Tree Transplanting | 6d | 16-Jul-13 | 22-Jul-13 | 0% |
| BA1.1000 | Bridge A1 South Abut. & Ramp - Pre-drilling works | 14d | 23-Jul-13 | 07-Aug-13 | 0% |
| **Utility Culvert No.1 & 3** | | | | | |
| **Utility Culvert No. 1 Ext. across the road leading to Cheong Hong Road [48m Approx.]** | | | | | |
| UC1.1062 | Erection of hoarding | 14d | 10-May-13 | 27-May-13 | 0% |
| UC1.1.066 | Utilities detection | 14d | 28-May-13 | 13-Jun-13 | 0% |
| UC1.1070 | Util. Culvert No. 1 Ext. - ELS works | 14d | 07-Jun-13 | 25-Jun-13 | 0% |
| UC1.1080 | Util. Culvert No. 1 Ext. - Ground levelling, trimming; blinding layer | 6d | 25-Jun-13 | 03-Jul-13 | 0% |
| UC1.1090 | Util. Culvert No. 1 Ext. - Culvert structure (1st 24m) | 14d | 03-Jul-13 | 19-Jul-13 | 0% |
| UC1.1091 | Util. Culvert No. 1 Ext. - Culvert structure (2nd 24m) | 14d | 19-Jul-13 | 03-Aug-13 | 0% |
| **New Utility Culvert No. 3 adjacent to HKIA [160m Approx.]** | | | | | |
| UC3.1172 | Erection of hoarding | 14d | 22-May-13 | 06-Jun-13 | 0% |
| UC3.1174 | Site investigation | 14d | 07-Jun-13 | 24-Jun-13 | 0% |
| UC3.1176 | Utilities detection | 14d | 25-Jun-13 | 11-Jul-13 | 0% |
| UC3.1180 | New Util. Culvert No. 3 - ELS works | 10d | 12-Jul-13 | 24-Jul-13 | 0% |
| UC3.1181 | New Util. Culvert No. 3 - ELS works | 10d | 24-Jul-13 | 03-Aug-13 | 0% |
| **At-Grade Link Road bet.Scenic Hill and HKBCF [3-lane E/B & 3-lane W/B]** | | | | | |
| **Remaining Portion (Ch15+500 to 16+045** | | | | | |
| LR1400 | Aeronautical lights reprovisioning works Complete | 0d | | 11-Jul-13 | 0% |
| **New Carriageway & Modification of Existing Roads** | | | | | |
| **New Carriageway adjacent to HKIA [407.5m Approx.]** | | | | | |
| NCW1130 | New carriageway [north area] - Hoarding | 14d | 15-May-13 | 31-May-13 | 0% |
| NCW1140 | New carriageway [north area] - Site clearance; HKIA flight info. portals, service utilities, furnitures rei | 12d | 20-May-13 | 01-Jun-13 | 0% |
| NCW1141 | New carriageway [north area] - Site clearance; HKIA flight info. portals, service utilities, furnitures rei | 12d | 03-Jun-13 | 17-Jun-13 | 0% |
| NCW1142 | New carriageway [north area] - Site clearance; HKIA flight info. portals, service utilities, furnitures rei | 12d | 18-Jun-13 | 02-Jul-13 | 0% |
| NCW1143 | New carriageway [north area] - Site clearance; HKIA flight info. portals, service utilities, furnitures rei | 9d | 03-Jul-13 | 12-Jul-13 | 0% |



# APPENDIX C

Location of Works Areas

DO NOT SCALE DRAWING. CHECK ALL DIMENSIONS ON SITE.
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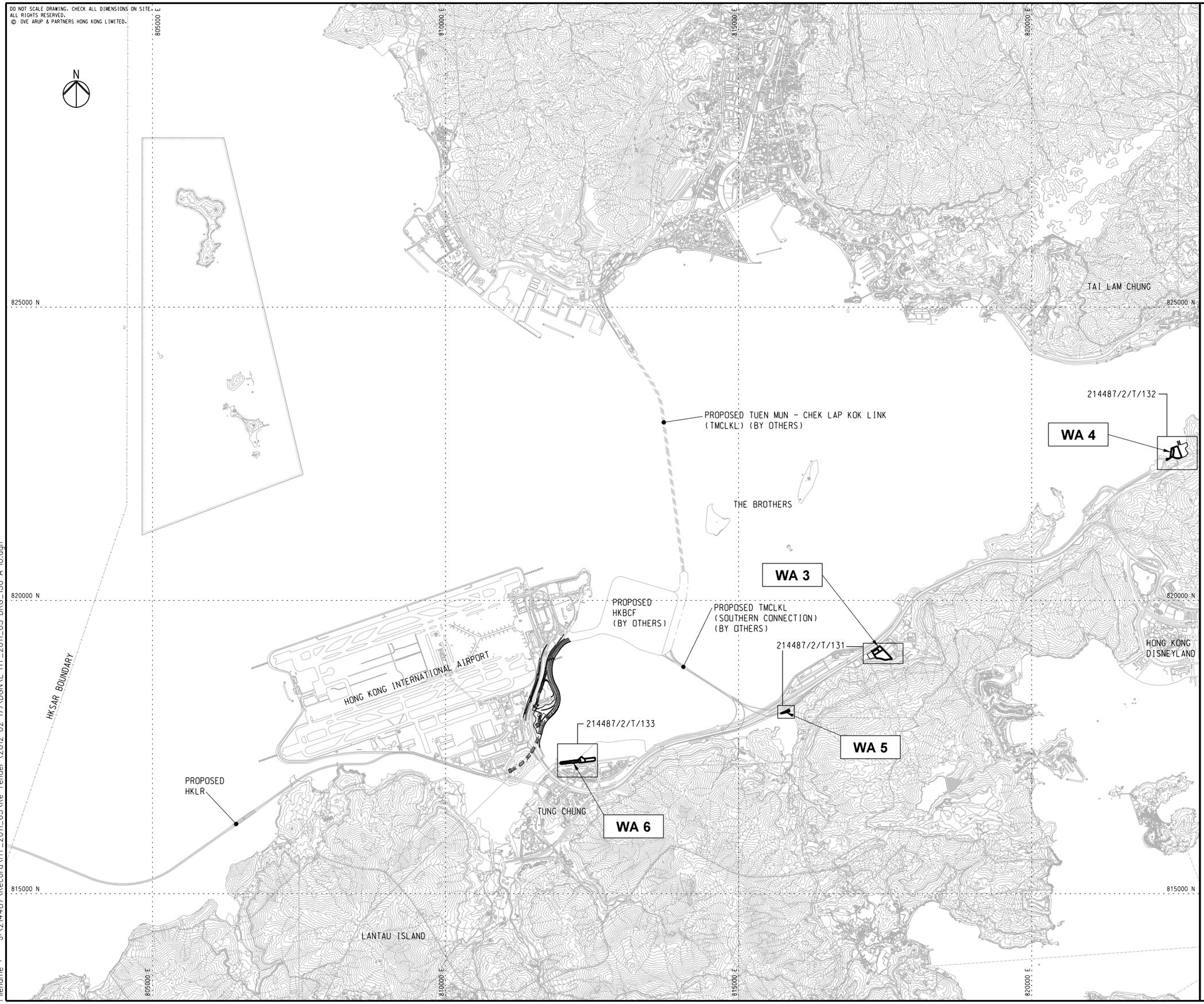


NOTES

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRG. NOS. 214487/2/T/131 - 133.

| Rev | Description | By | Date |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| A | TENDER ISSUE | IL | 02/12 |

Consultant

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

Contract No. and Title:

Contract No. HY/2011/03

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

Drawing title

# WORKS AREAS KEY PLAN

| Drawing no. | | Rev. |
|---|---|---|
| 214487/2/T/130 | | A |
| Drawn: RY | Date: 02/12 | Checked: IL | Approved: SK |
| Scale: 1:30000 @A1 | | Status: TENDER | |

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港珠澳大橋香港工程管理處
Hong Kong - Zhuhai - Macao Bridge
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WORKS AREA
WA3

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N

**WORKS AREA**
**WA4**

倒扣灣
TO KAU WAN

船廠碼頭
SHIPYARD PIER

五鼓嶺
NG KWU LENG

新舖咀
SAN PO TSUI

青洲灣
TSING CHAU WAN

大青洲
TAI TSING CHAU

青嶼幹線
機場快綫
AIRPORT EXPRESS

TUNG CHUNG LINE

青洲仔
TSING CHAU TSAI

NORTH LANTAU HIGHWAY

長索咀
Cheung Sok Tsui

長索
CHEUNG SOK

下角咀
Ha Kok Tsui

鹿頸灣
LUK KENG BAY

鹿頸
LUK KENG

碼頭
PIER

欣澳
SUNNY BAY

貨運線

欣澳道

北大嶼山公路

SUNNY BAY ROAD

大陰頂
TAI YAM TENG
186

花瓶頂
FA PING TENG
273

昂船洲
NGONG SHUEN AU

陰仔灣
YAM TSAI WAN

欣澳灣
YAN O WAN

陰仔
YAM TSAI

欣澳篤
YAN O TUK

灣篤
WAN TUK

望東坑
MONG TUNG HANG

竹篙灣公路
SUNNY BAY ROAD
PENNY'S BAY HIGHWAY

欣澳道

迪欣湖活動中心
INSPIRATION LAKE RECREATION CENTRE

DISNEYLAND RESORT

東涌路

竹篙灣發電廠
PENNY'S BAY POWER STATION

救生艇
Life Boat

大山
TAI SHAN

竹篙灣
PENNY'S BAY

四白坳
SZE PAK AU

扒頭鼓
PA TAU K

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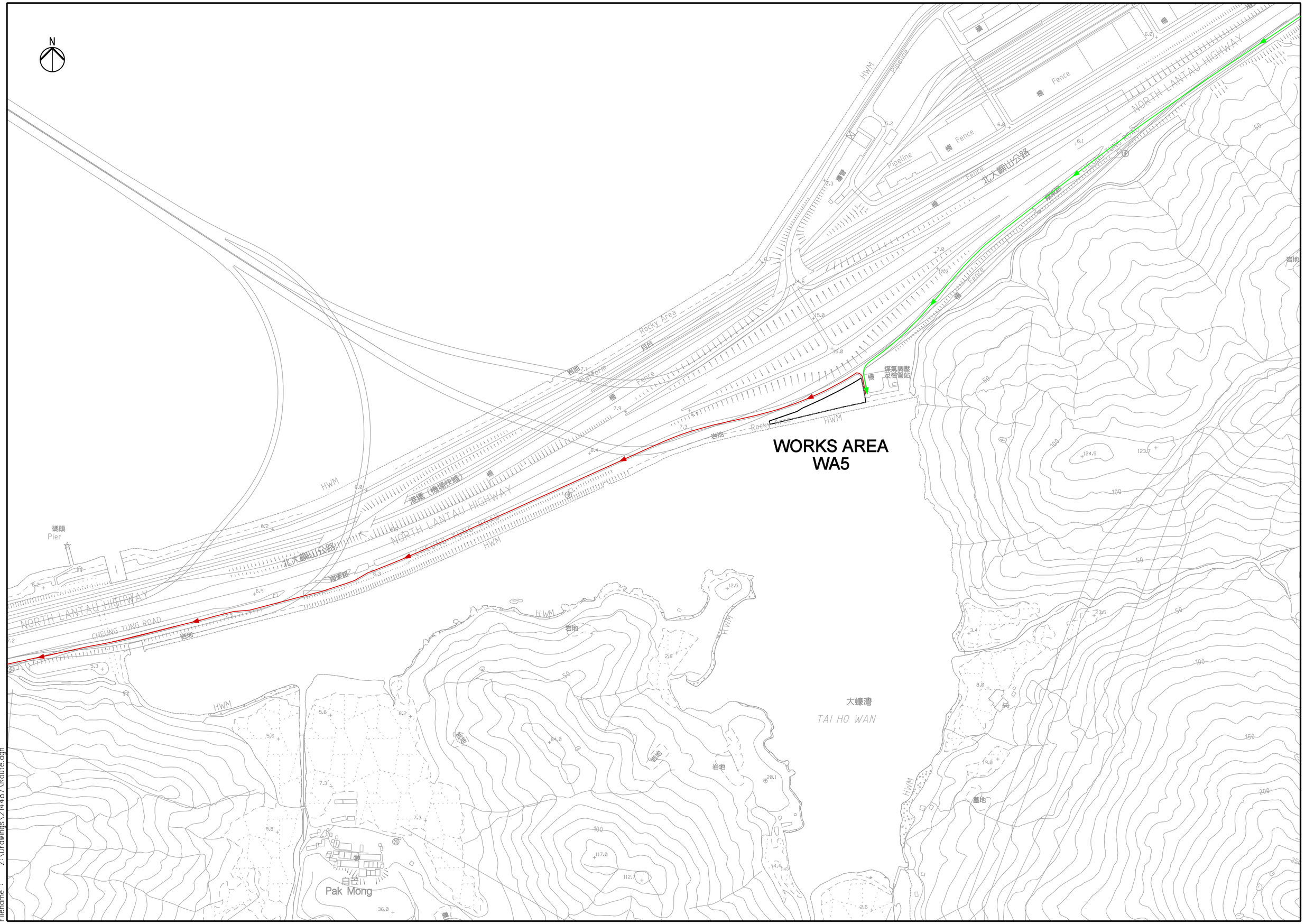


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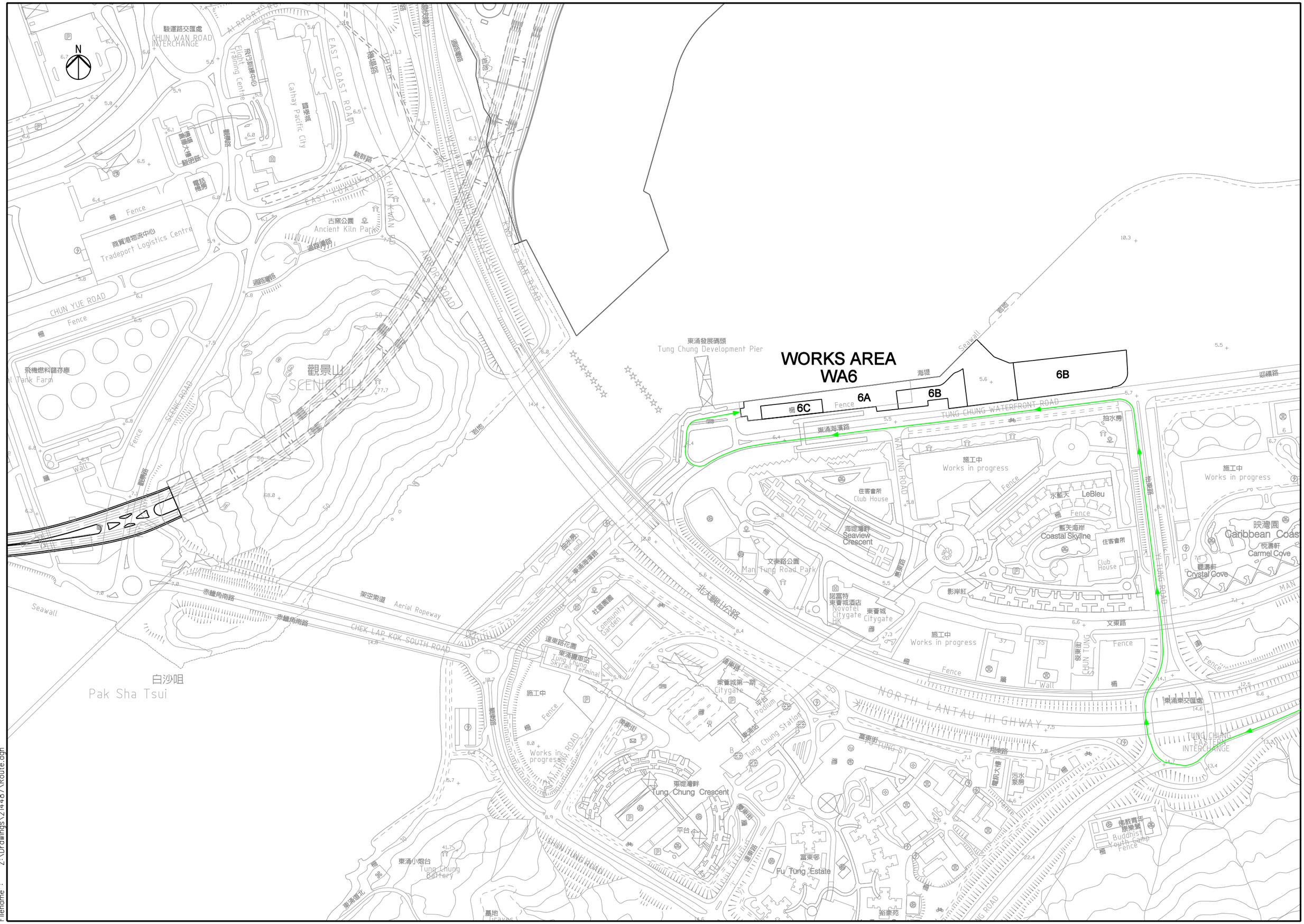


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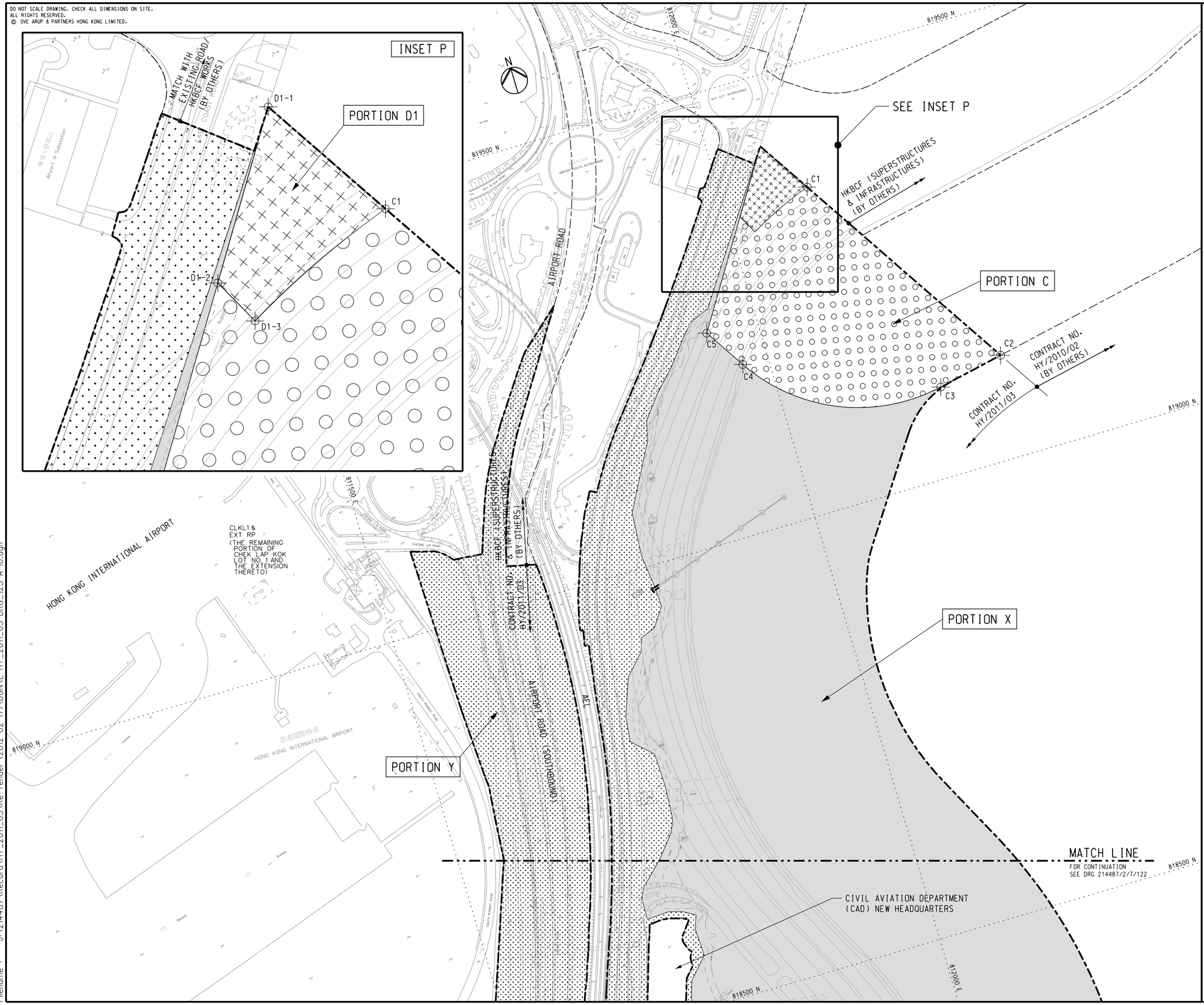


NOTES

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

## SETTING OUT CO-ORDINATES OF SITE PORTION C

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

## SETTING OUT CO-ORDINATES OF SITE PORTION D1

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

| Rev | Description | By | Date |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| A | TENDER ISSUE | IL | 02/12 |

Consultant

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

Contract No. and Title:

Contract No. HY/2011/03

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

Drawing title

PORTION OF SITE
(SHEET 3 OF 3)

| Drawing no. | | Rev. |
|---|---|---|
| 214487/2/T/123 | | A |
| Drawn: RY | Date: 02/12 | Checked: IL / Approved: SK |
| Scale: 1:2000 @A1 | Status: TENDER | |

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Hong Kong Project Management Office

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

| Rev | Description | By | Date |
|---|---|---|---|
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Contract No. and Title:

Contract No. HY/2011/03

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

Drawing title

PORTION OF SITE
(SHEET 2 OF 3)

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

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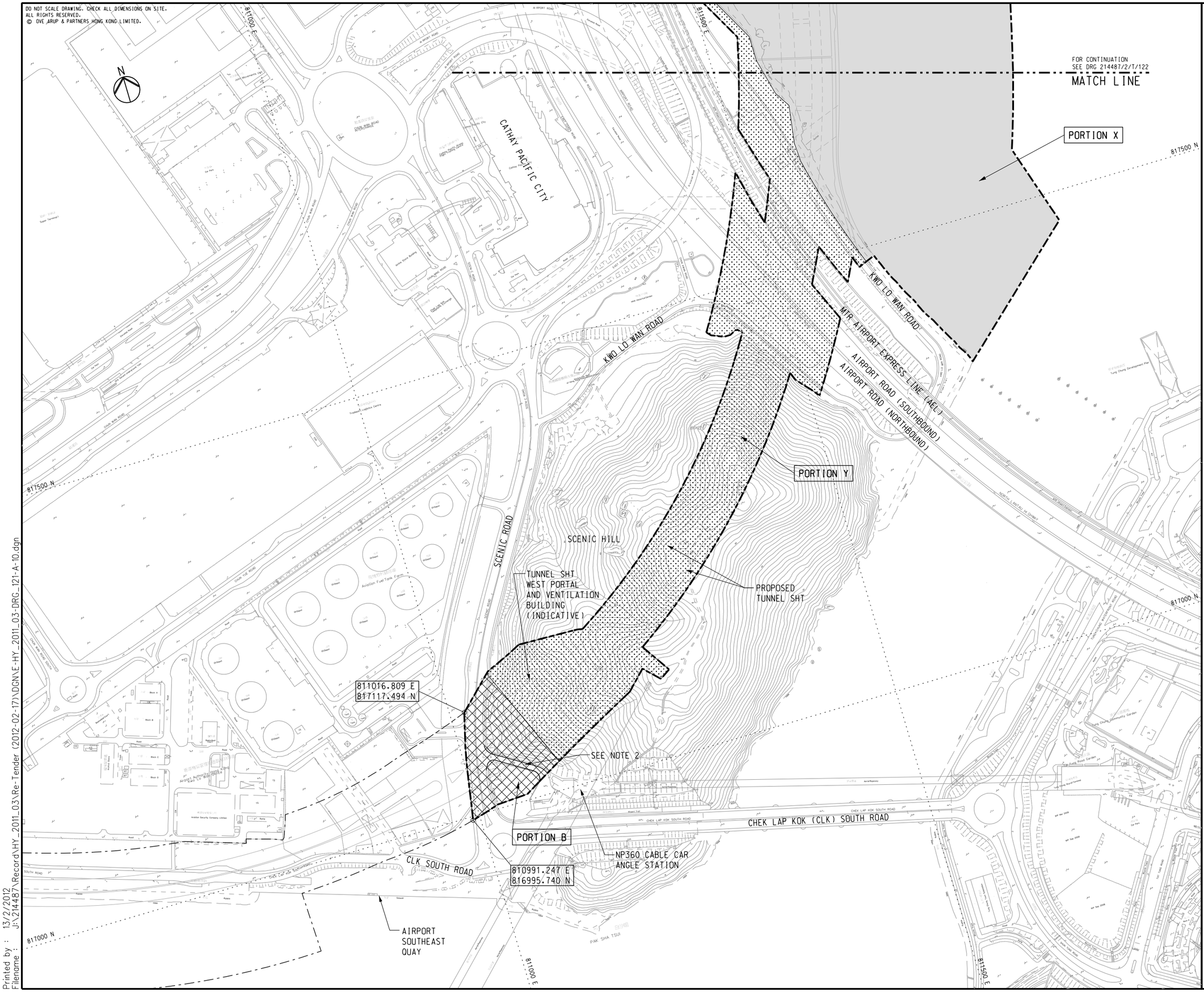


NOTES

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

LEGEND

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

| Rev | Description | By | Date |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| A | TENDER ISSUE | IL | 02/12 |

Consultant

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

Contract No. and Title:

Contract No. HY/2011/03

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

Drawing title

PORTION OF SITE
(SHEET 1 OF 3)

| Drawing no. | | Rev. |
|---|---|---|
| 214487/2/T/121 | | A |
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| Scale: 1:2000 @A1 | | Status: TENDER | |

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# APPENDIX D

Event and Action Plan

## Event and Action Plan for Air Quality

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

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

## Event and Action Plan for Noise

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

## Event and Action Plan for Water Quality

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

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

## Event and Action Plan for Dolphin Monitoring

| Event | ET Leader | IEC | ER / SOR | Contractor |
|---|---|---|---|---|
| Action Level | 1. Repeat statistical data analysis to confirm findings;<br>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;<br>3. Identify source(s) of impact;<br>4. Inform the IEC, ER/SOR and Contractor;<br>5. Check monitoring data.<br>6. Review to ensure all the dolphin protective measures are fully and properly implemented and advise on additional measures if necessary. | 1. Check monitoring data submitted by ET and Contractor;<br>2. Discuss monitoring results and findings with the ET and the Contractor. | 1. Discuss monitoring with the IEC and any other measures proposed by the ET;<br>2. If ER/SOR is satisfied with the proposal of any other measures, ER/SOR to signify the agreement in writing on the measures to be implemented. | 1. Inform the ER/SOR and confirm notification of the non-compliance in writing;<br>2. Discuss with the ET and the IEC and propose measures to the IEC and the ER/SOR;<br>3. Implement the agreed measures. |
| Limit Level | 1. Repeat statistical data analysis to confirm findings;<br>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;<br>3. Identify source(s) of impact;<br>4. Inform the IEC, ER/SOR and Contractor of findings;<br>5. Check monitoring data;<br>6. Repeat review to ensure all the dolphin protective measures are fully and properly implemented and advise on additional measures if necessary; | 1. Check monitoring data submitted by ET and Contractor;<br>2. Discuss monitoring results and findings with the ET and the Contractor;<br>3. Attend the meeting to discuss with ET, ER/SOR and Contractor the necessity of additional dolphin monitoring and any other potential mitigation measures;<br>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;<br>5. Supervise / Audit the | 1. Attend the meeting to discuss with ET, IEC and Contractor the necessity of additional dolphin monitoring and any other potential mitigation measures;<br>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;<br>3. Supervise the implementation of additional monitoring | 1. Inform the ER/SOR and confirm notification of the non-compliance in writing;<br>2. Attend the meeting to discuss with ET, IEC and ER/SOR the necessity of additional dolphin monitoring and any other potential mitigation measures;<br>3. Jointly submit with ET to IEC a proposal of additional dolphin monitoring and/or any other mitigation measures when necessary;<br>4. Implement the agreed additional dolphin monitoring and/or any other mitigation measures. |

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

## Event and Action Plan for Mudflat Monitoring

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

# APPENDIX E

Implementation Schedule of Environmental Mitigation Measures

# Implementation Schedule of Environmental Mitigation Measures

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concerns to address | Who to implement the measures? | Location of the measures | When to implement the measures? | Implementation Status |
|---|---|---|---|---|---|---|---|
| ***Air Quality*** | | | | | | | |
| S5.5.6.1 | A1 | 1) The contractor shall follow the procedures and requirements given in the Air Pollution Control (Construction Dust) Regulation | Good construction site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria. | Contractor | All construction sites | Construction stage | √ |
| S5.5.6.2 | A2 | 2) Proper watering of exposed spoil should be undertaken throughout the construction phase:<br>• 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;<br>• Any dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads;<br>• A stockpile of dusty material should not be extend beyond the pedestrian barriers, fencing or traffic cones.<br>• 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;<br>• Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road section between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores; | Good construction site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria. | Contractor | All construction sites | Construction stage | √ |
| S5.5.6.2 | A2 | • When there are open excavation and reinstatement works, hoarding of not less than 2.4m high should be provided as far as practicable along the site boundary with provision for public crossing. Good site practice shall also be adopted by the Contractor to ensure the conditions of the hoardings are | 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 |
|---|---|---|---|---|---|---|---|
| | | properly maintained throughout the construction period;<br>• 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;<br>• 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;<br>• 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;<br>• 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;<br>• Any skip hoist for material transport should be totally enclosed by impervious sheeting;<br>• 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; | | | | | |
| S5.5.6.2 | A2 | • Cement or dry PFA delivered in bulk should be stored in a closed silo fitted with an audible high level alarm which is interlocked with the material filling line and no overfilling is allowed;<br>• 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<br>• 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 | The following mitigation measures should be adopted to prevent<br>fugitive dust emissions for concrete batching plant:<br>• Loading, unloading, handling, transfer or storage of any dusty materials should be carried out in totally enclosed system;<br>• 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;<br>• Vents for all silos and cement/pulverised fuel ash (PFA) weighing scale should be fitted with fabric filtering system;<br>• The materials which may generate airborne dusty emissions should be wetted by water spray system;<br>• All receiving hoppers should be enclosed on three sides up to 3m above unloading point;<br>• 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 |
|---|---|---|---|---|---|---|---|
| | | enclosed;<br>• All access and route roads within the premises should be paved and wetted; and<br>• 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. | | | | | |
| S5.5.2.7 | A7 | The following mitigation measures should be adopted to prevent<br>fugitive dust emissions at barging point:<br>• All road surface within the barging facilities will be paved;<br>• Dust enclosures will be provided for the loading ramp;<br>• Vehicles will be required to pass through designated wheels wash facilities; and<br>• Continuous water spray at the loading points. | Control construction dust | Contractor | All construction sites | Construction stage | √ |
| S6.4.10 | N1 | 1) Use of good site practices to limit noise emissions by considering the following:<br>• only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme;<br>• 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;<br>• plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs;<br>• silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works<br>• mobile plant should be sited as far away from NSRs as possible and practicable;<br>• 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 | Construction and Demolition Material | 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 |
|---|---|---|---|---|---|---|---|
| | | The following mitigation measures should be implemented in handling the waste:<br>• Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement;<br>• Carry out on-site sorting;<br>• Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate;<br>• Adopt .Selective Demolition. technique to demolish the existing structures and facilities with a view to recovering broken concrete effectively for recycling purpose, where possible;<br>• Implement a trip-ticket system for each works contract to ensure that the disposal of C&D materials are properly documented and verified; and<br>• 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.<br>• 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 | generation and recycle the C&D materials as far as practicable so as to reduce the amount for final disposal | | | | |
| S8.3.9 - S8.3.11 | WM2 | <u>C&D Waste</u><br>• 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 | 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 | 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 |
|---|---|---|---|---|---|---|---|
| | | purchasing of construction materials will be carefully planned in order to avoid over ordering and wastage.<br>• 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. | disposal | | | | |
| S8.2.12 - S8.3.15 | WM3 | <u>Chemical Waste</u><br>• 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.<br>• 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..<br>• 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, 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 |
|---|---|---|---|---|---|---|---|
| | | • 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. | | | | | |
| S8.3.16 | WM4 | *Sewage*<br>• Adequate numbers of portable toilets should be provided for the workers. The portable toilets should be maintained in a state, which will not deter the workers from utilizing these portable toilets. Night soil should be collected by licensed collectors regularly. | Proper handling of sewage from worker to avoid odour, pest and litter impacts | Contractor | All construction sites | Construction stage | √ |
| S8.3.17 | WM5 | *General Refuse*<br>• General refuse generated on-site should be stored in enclosed bins or compaction units separately from construction and chemical wastes.<br>• 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.<br>• 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.<br>• Office wastes can be reduced through the recycling of paper if volumes are large enough to warrant collection. Participation in a local collection scheme should be considered by the Contractor. In addition, waste separation facilities for paper, aluminum cans, plastic bottles etc., should be provided.<br>• 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 |
|---|---|---|---|---|---|---|---|
| | | waste management procedure, including reduction, reuse and recycling of wastes. | | | | | |
| ***Water Quality (Construction Phase)*** | | | | | | | |
| S9.11.1 - S9.11.1.2 | W1 | • Mitigation during the marine works to reduce impacts to within acceptable levels have been recommended and will comprise a series of measures that restrict the method and sequencing of 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.<br>• 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:<br>- TMCLKL northern reclamation;<br>- TMCLKL southern reclamation (after formation of the nips);<br>- Reclamation dredging and filling for Portion 1 of HKLR; | To control construction water quality | Contractor | During seawall dredging and filling | Construction stage | √ |
| S9.11.1 - S9.11.1.2 | W1 | • Export for dredged spoils from NWWCZ avoiding exerting high demand on the disposal facilities in the NWWCZ and, hence, minimise potential cumulative impacts;<br>• For the marine viaducts of HKLR, the bored piling will be undertaken within a metal casing;<br>• 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;<br>• 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 |
|---|---|---|---|---|---|---|---|
| | | controlled to 25%;<br>• silt curtains (cage type) will be applied round all grab dredgers during the HKLR southern reclamation works;<br>• single layer silt curtains will be applied around all works;<br>• 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.<br>• silt curtain shall be fully maintained throughout the works. | | | | | |
| S9.11.1 - S9.11.1.2 | W1 | 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.<br>• trailer suction hopper dredgers shall not allow mud to overflow;<br>• use of Lean Material Overboard (LMOB) systems shall be prohibited; | To control construction water quality | Contractor | During seawall dredging and filling | Construction stage | √ |
| S9.11.1 - S9.11.1.2 | W1 | • mechanical grabs shall be designed and maintained to avoid spillage and should seal tightly while being lifted;<br>• barges and hopper dredgers shall have tight fitting seals to their bottom openings to prevent leakage of material;<br>• any pipe leakages shall be repaired quickly. Plant should not be operated with leaking pipes;<br>• loading of barges and hoppers shall be controlled to prevent splashing of dredged | | | | | √ |

# 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 |
|---|---|---|---|---|---|---|---|
| | | 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;<br>• excess material shall be cleaned from the decks and exposed fittings of barges and hopper dredgers before the vessel is moved;<br>• adequate freeboard shall be maintained on barges to reduce the likelihood of decks being washed by wave action;<br>• 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<br>• 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. | | | | | |
| S9.11.1.3 | W2 | <u>Land Works</u><br><br>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:<br><br>• wastewater from temporary site facilities should be controlled to prevent direct discharge to surface or marine waters;<br>• 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;<br>• 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 |
|---|---|---|---|---|---|---|---|
| | | facilities. Catchpits and perimeter channels should be constructed in advance of site formation works and earthworks;<br>• 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;<br>• temporary access roads should be surfaced with crushed stone or gravel;<br>• rainwater pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities;<br>• measures should be taken to prevent the washout of construction materials, soil, silt or debris into any drainage system;<br>• open stockpiles of construction materials (e.g. aggregates and sand) on site should be covered with tarpaulin or similar fabric during rainstorms;<br>• manholes (including any newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers;<br>• 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 | • 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;<br>• wheel wash overflow shall be directed to silt removal facilities before being discharged to the storm drain;<br>• the section of construction road between the wheel washing bay and the public road should be surfaced with crushed stone or coarse gravel;<br>• wastewater generated from concreting, plastering, internal decoration, cleaning work and other similar activities, shall be screened to remove large objects;<br>• 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;<br>• the contractors shall prepare an oil / chemical cleanup plan and ensure that leakages or spillages are contained and cleaned up immediately;<br>• waste oil should be collected and stored for recycling or disposal, in accordance with the Waste Disposal Ordinance;<br>• 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<br>• 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 |
|---|---|---|---|---|---|---|---|
| | | | | | location | period | |
| ***Ecology (Construction Phase)*** | | | | | | | |
| S10.7 | E1 | • Good site practices to avoid runoff entering woodland habitats in Scenic Hill<br>• Reinstate works areas in Scenic Hill<br>• 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 | • Use closed grab in dredging works.<br>• Install silt curtain during the construction.<br>• Limit dredging and works fronts.<br>• Construct seawall prior to reclamation filling where practicable.<br>• Good site practices<br>• Strict enforcement of no marine dumping.<br>• Site runoff control3<br>• Spill response plan | Minimise marine water quality impacts | Contractor | Seawall, reclamation area | During construction | √ |
| S10.7 | E4 | • Watering to reduce dust generation; prevention of siltation of freshwater habitats; Site runoff should be desilted, to reduce the potential for suspended sediments, organics and other contaminants to enter streams and standing freshwater | Prevent Sedimentation from Land-based works areas | Contractor | Land-based works areas | During construction | √ |
| S10.7 | E5 | • Good site practices, including strictly following the permitted works hours, using quieter machines where practicable, and avoiding excessive lightings during night time | Prevent disturbance to terrestrial fauna and habitats | Contractor | Land-based works areas | During construction | √ |
| S10.7 | E6 | • Dolphin Exclusion Zone;<br>• Dolphin watching plan | Minimize temporary marine habitat loss impact to dolphins | Contractor | Marine works | During marine works | √ |
| S10.7 | E7 | • Decouple compressors and other equipment on working vessels<br>• Avoidance of percussive piling<br>• 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 |
|---|---|---|---|---|---|---|---|
| | | • Temporal suspension of drilling bored pile casing in rock during peak dolphin calving season in May and June;<br>• Handling with care for the installation of sheet piling for reclamation site | | | | | |
| S10.7 | E8 | • Control vessel speed<br>• Skipper training.<br>• Predefined and regular routes for working vessels; avoid Brothers Islands. | Minimise marine traffic disturbance on dolphins | Contractor | Marine traffic | During marine works | √ |
| S10.10 | E9 | • Dolphin vessel monitoring<br>• Mudflat ecological monitoring | Minimise marine traffic disturbance on dolphins | Contractor | North Lantau and West Lantau | Prior to construction, during construction, and 1 year after operation | √ |
| ***Ecology (Operation Phase)*** | | | | | | | |
| S10.7 | E10 | • Preconstruction dive survey for corals | Minimise impacts on marine ecology | Contractor | The marine pier sites nearest to intertidal zone and along the shore of the HKLR reclamation site | Prior to marine construction works in these locations | √ |
| ***Fisheries*** | | | | | | | |
| S11.7 | F2 | • Reduce re-suspension of sediments<br>• Limit dredging and works fronts.<br>• Good site practices<br>• Strict enforcement of no marine dumping.<br>• Spill response plan | Minimise marine water quality impacts | Contractor | Seawall, reclamation area | During construction | √ |
| S11.7 | F3 | • Install silt-grease trap in the drainage system collecting surface runoff | Minimise impacts on marine water quality impacts | Designer | Reclamation area | During construction | √ |

# 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 | • Maritime Oil Spill Response Plan (MOSRP);<br>• Contingency plan. | Minimise impacts on marine water quality impacts | Management | HKLR | During operation | √ |
| ***Landscape & Visual (Detailed Design Phase)*** | | | | | | | |
| S14.3. 3.1 | LV1 | General design measures include:<br>• Roadside planting and planting along the edge of the reclamation is proposed;<br>• 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;<br>• Protection measures for the trees to be retained during construction activities;<br>• Optimizing the sizes and spacing of the bridge columns;<br>• Fine-tuning the location of the bridge columns to avoid visually sensitive locations;<br>• Aesthetic design of the bridge form and its structural elements for HKLR, e.g. parapet, soffit, columns, lightings and so on;<br>• Considering the decorative urban design elements for HKLR, e.g. decorative road lightings;<br>• Maximizing new tree, shrub and other vegetation planting to compensate tree felled and vegetation removed;<br>• Providing planting area around peripheral of HKLR for tree planting screening effect; | Minimise visual & landscape impact | Detailed designer | HKLR | Design Stage | |
| S14.3.3.1 | | • Providing salt-tolerant native trees along the planter strip at affected seawall and newly reclaimed coastline.<br>• Providing salt-tolerant native trees along the planter strip at affected seawall and newly reclaimed coastline.<br>• For HKLR, providing aesthetic design on the viaduct, tunnel portals, at-grade roads and | 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 |
|---|---|---|---|---|---|---|---|
| | | reclamation (e.g. subtle colour tone and slim form for viaduct to minimize the bulkiness of the structure and to blend the viaduct better with the background environment, featured form of tunnel portals, roadside planting along at-grade roads and landscape berm on & planting along edge of reclamation area) to beautify the HKLR alignment (refer to Figure 14.4.3). | | | | | |
| ***Landscape & Visual (Construction Phase)*** | | | | | | | |
| S14.3.3.3 | LV2 | Mitigate both Landscape and Visual Impacts<br>G1. Grass-hydroseed bare soil surface and stock pile areas.<br>G2. Add planting strip and automatic irrigation system if appropriate at some portions of bridge or footbridge to screen bridge and traffic.<br>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.<br>G4. Vegetation reinstatement and upgrading to disturbed areas.<br>G5. Maximize new tree, shrub and other vegetation planting to<br>compensate tree felled and vegetation removed.<br>G6. Provide planting area around peripheral of and within HKLR for tree screening buffer effect.<br>G7. Plant salt tolerant native tree and shrubs etc along the planterstrip at affected seawall.<br>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). | Minimise visual & landscape impact | Contractor | HKLR | Construction stage | √ |
| S14.3.3.3 | LV3 | <u>Mitigate Visual Impacts</u><br>V1.Minimize time for construction activities during construction period. | | | | | √ |

# 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 |
|---|---|---|---|---|---|---|---|
| | | V2.Provide screen hoarding at the portion of the project site / works areas / storage areas near VSRs who have close low-level views to the Project during HKLR construction. | | | | | |
| ***EM&A*** | | | | | | | |
| S15.5 - S15.6 | EM2 | 1) An Environmental Team needs to be employed as per the EM&A Manual.<br><br>2) Prepare a systematic Environmental Management Plan to ensure effective implementation of the mitigation measures.<br><br>3) An environmental impact monitoring needs to be implementing<br>by the Environmental Team to ensure all the requirements given in the EM&A Manual are fully complied with. | Perform environmental monitoring & auditing | Contractor | All construction sites | Construction stage | √ |

# APPENDIX F

Site Audit Findings and Corrective Actions

# Appendix F – Site Audit Findings and Corrective Actions

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, 13 site inspections were carried out on 5, 12, 19 and 26 March 2013, 2, 9, 17, 26 and 30 April 2013, and 7, 14, 21, and 31 May 2013.

1.1.2 Particular observations during the site inspections are described below.

**5 March 2013**

(a) High pressure water jet and sedimentation tank which form part of the wheel washing facilities were not provided at the site exit of WA4. The contractor provided water jet spray at the site exit of WA4. (This observation was found on 26 February 2013 and closed on 5 March 2013.)

(b) The chemical containers were found to be without drip tray at vessel Shing Yip 101. The chemical containers were removed. (This observation closed on 12 March 2013.)

(c) The chemical containers were found to be without drip tray at vessel Shing Yip 101. The chemical containers were removed. (This observation closed on 12 March 2013.)

(d) The skip was found to be full at Stone Column Platform. The Contractor disposed of rubbish regularly to avoid waste accumulation. (This observation closed on 12 March 2013.)

(e) The unpaved road was found to be dry at West Portal. The Contractor was sprayed water on the unpaved roads. (This observation closed on 12 March 2013.)

(f) The stagnant water was found at Kwo Lo Wan Road. The Contractor removed the stagnant water. (This observation closed on 12 March 2013.)

**12 March 2013**

(a) The wastewater containers were found to be without drip tray at vessel Chun Ming 83. The Contractor removed the wastewater containers. (This observation closed on 19 March 2013.)

(b) The chemical containers were found to be without drip tray at vessel Sun Shun 2. The Contractor removed the chemical containers. (This observation closed on 19 March 2013.)

(c) The unpaved area was found to be dry at Chun Ming 83. The Contractor sprayed the unpaved area. (This observation closed on 19 March 2013.)

(d) The operating machine generated black smoke at S11. The Contractor provided maintenance for the machine. (This observation closed on 19 March 2013.)

(e) Sand was found at the passageway of Chun Ming 83. The Contractor cleaned up the passageway of the vessel. (This observation closed on 19 March 2013.)

(f) The unpaved road was found to be dry at West Portal. The Contractor sprayed the unpaved road with water. (This observation closed on 19 March 2013.)

**19 March 2013**

(a) The chemical containers were found to be without drip tray at vessel Yiu Ming 1. The Contractor removed the chemical containers. (This observation closed on 26 March 2013.)

(b) The chemical containers were found to be without drip tray at vessel Yiu Ming 1. The Contractor removed the chemical containers. (This observation closed on 26 March 2013.)

(c) The stagnant water was found at Shing Yip 101. The contractor cleaned up the stagnant water. (This observation closed on 26 March 2013.)

**26 March 2013**

(a) The wasted battery storage was found to be without label / signs and lock at the WA N4.

(b) The stagnant water was found inside the wasted battery storage at the WA N4.

(c) The stagnant water was found at inside the concrete blocks at the WA N4.

**2 April 2013**

(a) The wasted battery storage was found to be without label / signs and lock at the WA N4. The Contractor packed the wasted battery into black bag at WA N4. (This observation was found on 26 March 2013 and closed on 2 April 2013)

(b) The stagnant water was found inside the wasted battery storage at the WA N4. The Contractor cleared the stagnant water at WA N4. (This observation was found on 26 March 2013 and closed on 2 April 2013)

(c) The stagnant water was found inside the concrete blocks at the WA N4. The Contractor was filled the hole by sand to avoid accumulation of stagnant water at WA N4. (This observation was found on 26 March 2013 and closed on 2 April 2013)

(d) The stagnant water was found at WA03. The Contractor placed the unused chemical tray upside down to avoid accumulation of water at WA03. (This observation was closed on 9 April 2013.)

(e) The chemical container was found to be without clear label at WA03. The Contractor provided clear labels for chemical containers at WA03. (This observation was closed on 9 April 2013.)

(f) The operating machine generated black smoke at Stone Column Platform. The Contractor provided maintenance for the machine to avoid black smoke emissions at Stone Column Platform. (This observation was closed on 9 April 2013)

(g) The stagnant water was found at West Portal. The Contractor removed the stagnant water at West Portal. (This observation was closed on 9 April 2013.)

**9 April 2013**

(a) Stagnant water was found in vessel Yiu Ming 01. The Contractor cleaned up the stagnant water in vessel Yiu Ming 01. (This observation was closed on 17 April 2013.)

(b) Stagnant water was found at WA03. The Contractor covered the holes by sand to avoid accumulation of stagnant water at WA03. (This observation was closed on 17 April 2013.)

(c) Unpaved areas were dry at WA03. The Contractor provided covers for unpaved areas. (This observation was closed on 17 April 2013.)

**17 April 2013**

(a) Stagnant water was found in vessel Yiu Ming 01. The Contractor cleaned up the stagnant water in vessel Yiu Ming 01. (This observation was closed on 26 April 2013.)

(b) No drip tray was provided for the chemical container in vessel Chun Ming 83. The Contractor removed the chemical containers on vessel Chung Ming 83. (This observation was closed on 26 April 2013.)

(c) No drip tray was provided for the oil container at Stone Columns Platform. The Contractor provided a drip tray for the oil container at Stone Columns Platform. (This observation was closed on 26 April 2013.)

(d) No drip tray was provided for the chemical container at S5. The Contractor removed the chemical container at S5. (This observation closed on 26 April 2013.)

**26 April 2013**

(a) Environment permits and licenses were not displayed at site entrance of S16. The Contractor displayed the environmental permits and licences at site entrance of S16. (This observation was closed on 30 April 2013.)

(b) Stagnant water was observed at S16, Kwo Lo Wan Road and West Portal. The Contractor filled the holes by sand to avoid accumulation of stagnant water of S16, Kwo Lo Wan Road and West Portal. (This observation was closed on 30 April 2013.)

(c) Proper labels for chemical waste were not observed. Stagnant water was found inside the chemical waste storage box. The Contractor had provided the proper labels for chemical waste on the top of storage box and removed the stagnant water. (This observation was closed on 30 April 2013.)

**30 April 2013**

(a) Stagnant water was found at S11. The Contactor was reminded to clean up the stagnant water.

(b) Chemical containers were found to be without clear label at S16. The Contractor was reminded to provide clear label for the chemical container.

(c) Stagnant water was found inside the chemical waste storage box at West Portal. The Contractor was reminded to clean up the stagnant water.

**7 May 2013**

(a) Stagnant water was found at S11. The Contactor cleaned up the stagnant water at S11. (This observation was found on 30 April 2013 and closed on 7 May 2013)

(b) Chemical containers were found to be without clear label at S16. The Contractor provided proper labels for chemical containers at S16. (This observation was found on 30 April 2013 and closed on 7 May 2013)

(c) Stagnant water was found inside the chemical waste storage box at West Portal. The Contractor cleaned up the stagnant water inside the chemical waste storage box at West Portal. (This observation was found on 30 April 2013 and closed on 7 May 2013)

(d) Stagnant water was found inside the recesses for lifting eyes of concrete blocks at S9. The Contractor cleaned up the stagnant water which inside the recesses for lifting eyes of concrete block and filled the concrete blocks by sand at S9. (This observation was closed on 14 May 2013.)

(e) Chemical containers were found to be without drip trays at S8. The Contractor provided drip trays for chemical containers at S8. (This observation was closed on 14 May 2013.)

(f) Stagnant water was found at S8. The Contractor cleaned up the stagnant water at S8. (This observation was closed on 14 May 2013.)

**14 May 2013**

(a) The chemical waste containers were found to be without drip trays on vessel Sun Shun 02. The Contractor removed the chemical waste containers on vessel Sun Shun 02. (This observation was closed on 21 May 2013.)

(b) Stagnant water was found inside the recesses for lifting eyes of concrete blocks at S16. The Contractor cleaned up the stagnant water inside the recesses for lifting eyes of concrete blocks to avoid accumulation of stagnant water at S16. (This observation was closed on 21 May 2013.)

(c) Stagnant water was found inside a drip tray at S16. The Contractor cleaned up stagnant water inside the drip tray. (This observation was closed on 21 May 2013.)

**21 May 2013**

(a) Stagnant water was found on vessel Yiu Ming 01. The Contractor cleaned up the stagnant water on vessel Yiu Ming 01. (This observation was closed on 31 May2013.)

(b) Stagnant water was found inside a drip tray on vessel Chang Sheung 2002. The Contractor cleared up stagnant water inside a drip tray on vessel Chang Sheung 2002. (This observation was closed on 31 May 2013.)

(c) Stagnant water was found inside the recesses for lifting eyes of concrete blocks at S16. The Contractor cleared up stagnant water inside the recesses for lifting eyes of concrete blocks at S16. (This observation was closed on 31May 2013.)

**31 May 2013**

(d) There were gaps on metal cover of the cement mixing plant at Site Access S5. The Contractor was reminded to cover the cement mixing plant entirely in an impervious shelter with top and 3 sides at Site Access S5.

1.1.3 The Contractor has rectified all of the observations (except the observation recorded on 31 May 2013) as identified during environmental site inspections during the reporting period. Follow-up actions for outstanding observation on 31 May 2013 will be inspected during the next site inspections.

# APPENDIX G

Air Quality Monitoring Data and Graphical Plots

| Project | Works | Date (yyyy-mm-dd) | Station | Time | Parameter | Results | Unit |
|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-02-06 | AMS5 | 09:23 | 1-hr TSP | 31 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-06 | AMS5 | 10:23 | 1-hr TSP | 42 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-06 | AMS5 | 11:23 | 1-hr TSP | 40 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-14 | AMS5 | 13:00 | 1-hr TSP | 41 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-14 | AMS5 | 14:00 | 1-hr TSP | 50 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-14 | AMS5 | 15:00 | 1-hr TSP | 40 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-20 | AMS5 | 09:24 | 1-hr TSP | 51 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-20 | AMS5 | 10:24 | 1-hr TSP | 57 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-20 | AMS5 | 11:24 | 1-hr TSP | 58 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-26 | AMS5 | 09:11 | 1-hr TSP | 98 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-26 | AMS5 | 10:11 | 1-hr TSP | 79 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-26 | AMS5 | 11:11 | 1-hr TSP | 89 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-04 | AMS5 | 09:35 | 1-hr TSP | 33 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-04 | AMS5 | 10:35 | 1-hr TSP | 33 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-04 | AMS5 | 11:35 | 1-hr TSP | 31 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-08 | AMS5 | 09:35 | 1-hr TSP | 50 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-08 | AMS5 | 10:35 | 1-hr TSP | 43 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-08 | AMS5 | 11:35 | 1-hr TSP | 44 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-14 | AMS5 | 09:10 | 1-hr TSP | 83 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-14 | AMS5 | 10:10 | 1-hr TSP | 93 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-14 | AMS5 | 11:10 | 1-hr TSP | 98 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-20 | AMS5 | 09:40 | 1-hr TSP | 16 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-20 | AMS5 | 10:40 | 1-hr TSP | 15 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-20 | AMS5 | 11:40 | 1-hr TSP | 16 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-26 | AMS5 | 09:20 | 1-hr TSP | 82 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-26 | AMS5 | 10:20 | 1-hr TSP | 71 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-26 | AMS5 | 11:20 | 1-hr TSP | 86 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-03 | AMS5 | 09:30 | 1-hr TSP | 115 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-03 | AMS5 | 10:30 | 1-hr TSP | 100 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-03 | AMS5 | 11:30 | 1-hr TSP | 98 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-09 | AMS5 | 13:40 | 1-hr TSP | 55 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-09 | AMS5 | 14:40 | 1-hr TSP | 67 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-09 | AMS5 | 15:40 | 1-hr TSP | 105 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-15 | AMS5 | 09:30 | 1-hr TSP | 185 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-15 | AMS5 | 10:30 | 1-hr TSP | 215 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-15 | AMS5 | 11:30 | 1-hr TSP | 186 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-19 | AMS5 | 09:30 | 1-hr TSP | 71 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-19 | AMS5 | 10:30 | 1-hr TSP | 46 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-19 | AMS5 | 11:30 | 1-hr TSP | 35 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-25 | AMS5 | 09:25 | 1-hr TSP | 41 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-25 | AMS5 | 10:25 | 1-hr TSP | 37 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-25 | AMS5 | 11:25 | 1-hr TSP | 36 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-02 | AMS5 | 09:30 | 1-hr TSP | 18 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-02 | AMS5 | 10:30 | 1-hr TSP | 16 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-02 | AMS5 | 11:30 | 1-hr TSP | 18 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-07 | AMS5 | 13:15 | 1-hr TSP | 34 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-07 | AMS5 | 14:15 | 1-hr TSP | 44 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-07 | AMS5 | 15:15 | 1-hr TSP | 65 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-13 | AMS5 | 09:10 | 1-hr TSP | 47 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-13 | AMS5 | 10:10 | 1-hr TSP | 47 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-13 | AMS5 | 11:10 | 1-hr TSP | 51 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-16 | AMS5 | 09:25 | 1-hr TSP | 19 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-16 | AMS5 | 10:25 | 1-hr TSP | 20 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-16 | AMS5 | 11:25 | 1-hr TSP | 21 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-22 | AMS5 | 13:30 | 1-hr TSP | 7 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-22 | AMS5 | 14:30 | 1-hr TSP | 7 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-22 | AMS5 | 15:30 | 1-hr TSP | 15 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-28 | AMS5 | 09:25 | 1-hr TSP | 16 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-28 | AMS5 | 10:25 | 1-hr TSP | 16 | ug/m3 |

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|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-05-28 | AMS5 | 11:25 | 1-hr TSP | 16 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-06 | AMS5 | 13:00 | 24-hr TSP | 30 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-14 | AMS5 | 16:30 | 24-hr TSP | 51 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-19 | AMS5 | 08:00 | 24-hr TSP | 64 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-25 | AMS5 | 08:00 | 24-hr TSP | 46 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-01 | AMS5 | 08:00 | 24-hr TSP | 36 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-07 | AMS5 | 08:00 | 24-hr TSP | 90 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-13 | AMS5 | 08:00 | 24-hr TSP | 63 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-19 | AMS5 | 08:00 | 24-hr TSP | 28 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-25 | AMS5 | 08:00 | 24-hr TSP | 56 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-02 | AMS5 | 08:00 | 24-hr TSP | 53 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-08 | AMS5 | 08:00 | 24-hr TSP | 103 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-12 | AMS5 | 08:00 | 24-hr TSP | 65 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-18 | AMS5 | 08:00 | 24-hr TSP | 22 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-24 | AMS5 | 08:00 | 24-hr TSP | 54 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-30 | AMS5 | 08:00 | 24-hr TSP | 46 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-06 | AMS5 | 08:00 | 24-hr TSP | 43 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-10 | AMS5 | 08:00 | 24-hr TSP | 26 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-15 | AMS5 | 08:00 | 24-hr TSP | 20 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-21 | AMS5 | 08:00 | 24-hr TSP | N.A. | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-28 | AMS5 | 12:42 | 24-hr TSP | 15 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-31 | AMS5 | 08:00 | 24-hr TSP | 15 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-06 | AMS6 | 13:36 | 1-hr TSP | 27 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-06 | AMS6 | 14:36 | 1-hr TSP | 28 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-06 | AMS6 | 15:36 | 1-hr TSP | 30 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-14 | AMS6 | 08:30 | 1-hr TSP | 63 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-14 | AMS6 | 09:30 | 1-hr TSP | 64 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-14 | AMS6 | 10:30 | 1-hr TSP | 58 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-20 | AMS6 | 13:30 | 1-hr TSP | 75 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-20 | AMS6 | 14:30 | 1-hr TSP | 91 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-20 | AMS6 | 15:30 | 1-hr TSP | 98 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-26 | AMS6 | 13:25 | 1-hr TSP | 51 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-26 | AMS6 | 14:25 | 1-hr TSP | 56 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-26 | AMS6 | 15:25 | 1-hr TSP | 57 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-04 | AMS6 | 13:20 | 1-hr TSP | 40 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-04 | AMS6 | 14:20 | 1-hr TSP | 48 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-04 | AMS6 | 15:20 | 1-hr TSP | 50 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-08 | AMS6 | 13:34 | 1-hr TSP | 36 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-08 | AMS6 | 14:34 | 1-hr TSP | 45 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-08 | AMS6 | 15:34 | 1-hr TSP | 40 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-14 | AMS6 | 13:10 | 1-hr TSP | 73 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-14 | AMS6 | 14:10 | 1-hr TSP | 83 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-14 | AMS6 | 15:10 | 1-hr TSP | 97 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-20 | AMS6 | 13:25 | 1-hr TSP | 13 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-20 | AMS6 | 14:25 | 1-hr TSP | 16 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-20 | AMS6 | 15:25 | 1-hr TSP | 21 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-26 | AMS6 | 13:45 | 1-hr TSP | 107 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-26 | AMS6 | 14:45 | 1-hr TSP | 122 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-26 | AMS6 | 15:45 | 1-hr TSP | 133 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-03 | AMS6 | 13:20 | 1-hr TSP | 141 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-03 | AMS6 | 14:20 | 1-hr TSP | 154 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-03 | AMS6 | 15:20 | 1-hr TSP | 205 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-09 | AMS6 | 08:40 | 1-hr TSP | 74 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-09 | AMS6 | 09:40 | 1-hr TSP | 53 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-09 | AMS6 | 10:40 | 1-hr TSP | 90 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-15 | AMS6 | 14:20 | 1-hr TSP | 147 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-15 | AMS6 | 15:20 | 1-hr TSP | 134 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-15 | AMS6 | 16:20 | 1-hr TSP | 113 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-19 | AMS6 | 13:20 | 1-hr TSP | 36 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-19 | AMS6 | 14:20 | 1-hr TSP | 25 | ug/m3 |

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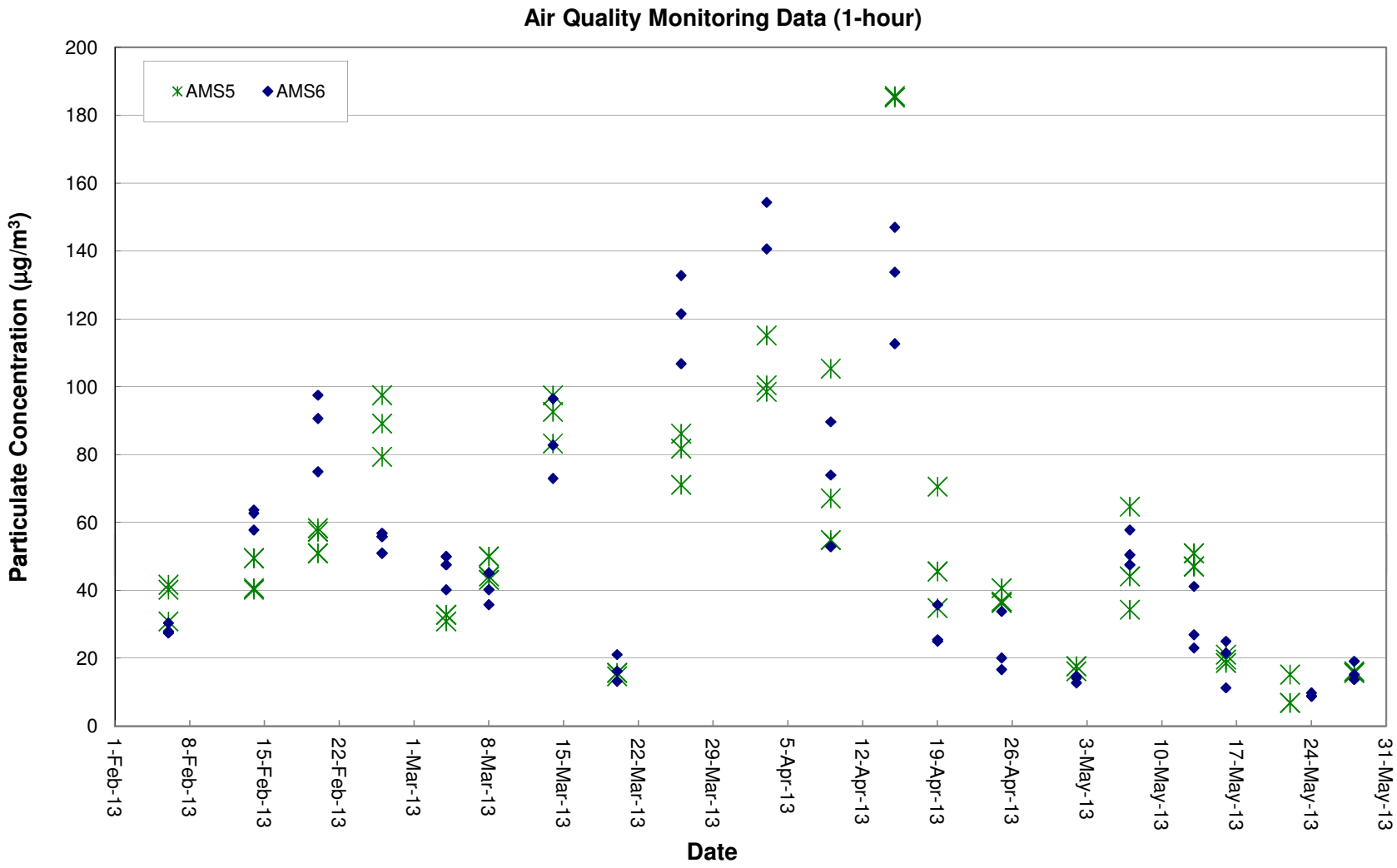
|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-04-19 | AMS6 | 15:20 | 1-hr TSP | 25 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-25 | AMS6 | 13:20 | 1-hr TSP | 34 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-25 | AMS6 | 14:20 | 1-hr TSP | 20 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-25 | AMS6 | 15:20 | 1-hr TSP | 17 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-02 | AMS6 | 13:30 | 1-hr TSP | 14 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-02 | AMS6 | 14:30 | 1-hr TSP | 13 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-02 | AMS6 | 15:30 | 1-hr TSP | 15 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-07 | AMS6 | 08:45 | 1-hr TSP | 58 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-07 | AMS6 | 09:45 | 1-hr TSP | 50 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-07 | AMS6 | 10:45 | 1-hr TSP | 48 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-13 | AMS6 | 13:20 | 1-hr TSP | 41 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-13 | AMS6 | 14:20 | 1-hr TSP | 27 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-13 | AMS6 | 15:20 | 1-hr TSP | 23 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-16 | AMS6 | 13:15 | 1-hr TSP | 25 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-16 | AMS6 | 14:15 | 1-hr TSP | 11 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-16 | AMS6 | 15:15 | 1-hr TSP | 22 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-24 | AMS6 | 13:05 | 1-hr TSP | 10 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-24 | AMS6 | 14:05 | 1-hr TSP | 9 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-24 | AMS6 | 15:05 | 1-hr TSP | 9 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-28 | AMS6 | 13:15 | 1-hr TSP | 19 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-28 | AMS6 | 14:15 | 1-hr TSP | 14 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-28 | AMS6 | 15:15 | 1-hr TSP | 15 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-19 | AMS6 | 08:00 | 24-hr TSP | 70 | ug/m3 |
| HKLR | HY/2011/03 | 2013-02-25 | AMS6 | 08:00 | 24-hr TSP | 56 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-01 | AMS6 | 08:00 | 24-hr TSP | 34 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-07 | AMS6 | 08:00 | 24-hr TSP | 105 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-13 | AMS6 | 08:00 | 24-hr TSP | 70 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-19 | AMS6 | 08:00 | 24-hr TSP | 22 | ug/m3 |
| HKLR | HY/2011/03 | 2013-03-25 | AMS6 | 08:00 | 24-hr TSP | 60 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-02 | AMS6 | 08:00 | 24-hr TSP | 59 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-08 | AMS6 | 08:00 | 24-hr TSP | 108 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-12 | AMS6 | 08:00 | 24-hr TSP | 72 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-18 | AMS6 | 08:00 | 24-hr TSP | 25 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-24 | AMS6 | 08:00 | 24-hr TSP | 47 | ug/m3 |
| HKLR | HY/2011/03 | 2013-04-30 | AMS6 | 08:00 | 24-hr TSP | 51 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-06 | AMS6 | 08:00 | 24-hr TSP | 51 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-10 | AMS6 | 08:00 | 24-hr TSP | 27 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-15 | AMS6 | 08:00 | 24-hr TSP | 18 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-21 | AMS6 | 08:00 | 24-hr TSP | 24 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-27 | AMS6 | 08:00 | 24-hr TSP | 18 | ug/m3 |
| HKLR | HY/2011/03 | 2013-05-31 | AMS6 | 08:00 | 24-hr TSP | 17 | ug/m3 |

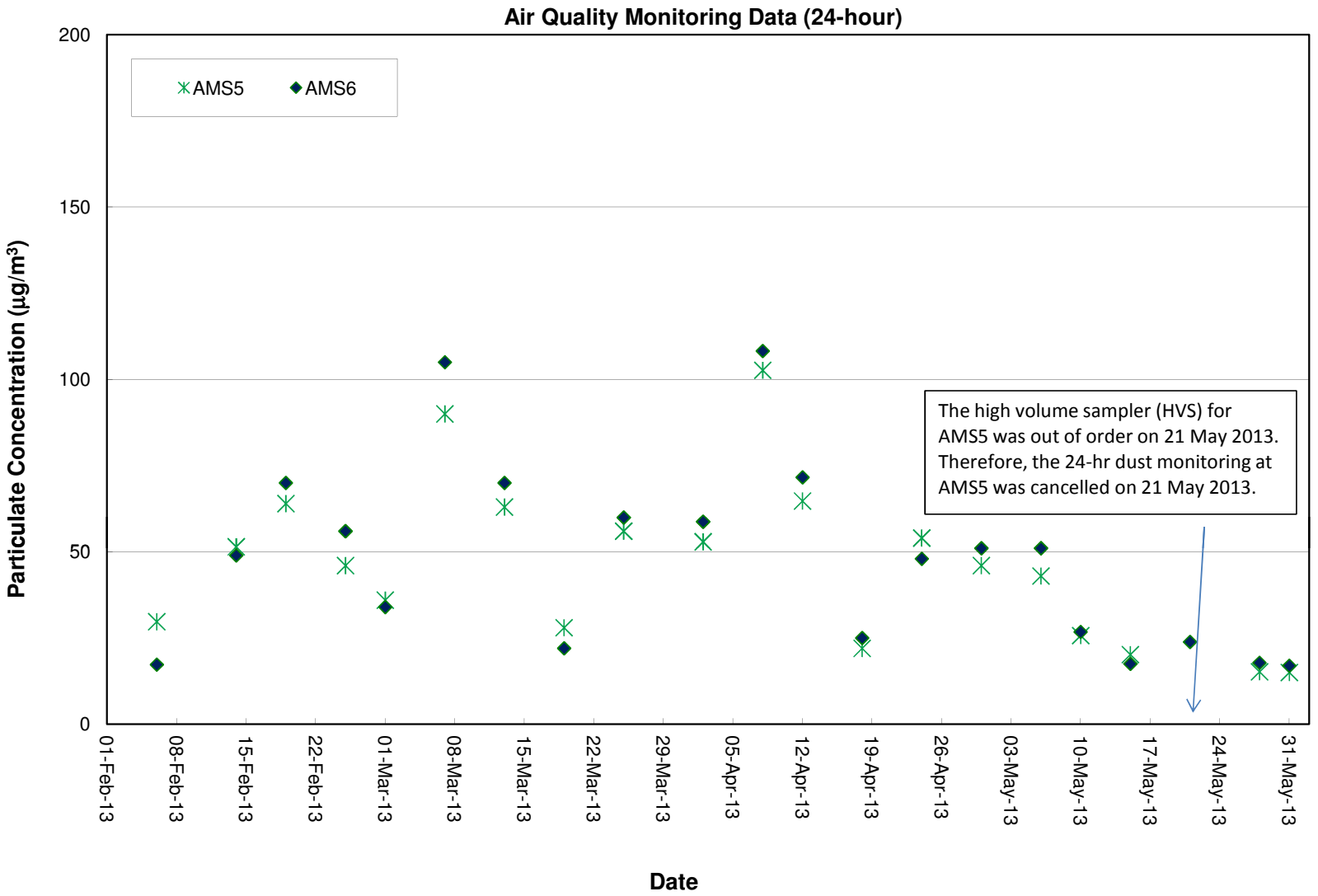
Remark:

1. The high volume sampler (HVS) for AMS5 was out of order on 21 May 2013. Therefore, the 24-hr dust monitoring at AMS5 was cancelled on 21 May 2013. The HVS was repaired on 27 May 2013 and the 24-hr dust monitoring was postponed to 28 May 2013.
2. The Black Rain Storm Warning was hoisted in the morning of 22 May 2013. Therefore, the 1-hr dust monitoring at AMS6 was postponed to 24 May 2013.
3. The filter paper for the 24-hr dust monitoring at AMS5 undertaken on 27 May 2013 was void. The 24-hr dust monitoring was rescheduled to 28 May 2013.

**Graphical Plot of 1-hour TSP at AMS5 and AMS6**



**Graphical Plot of 24-hour TSP at AMS5 and AMS6**



# APPENDIX H

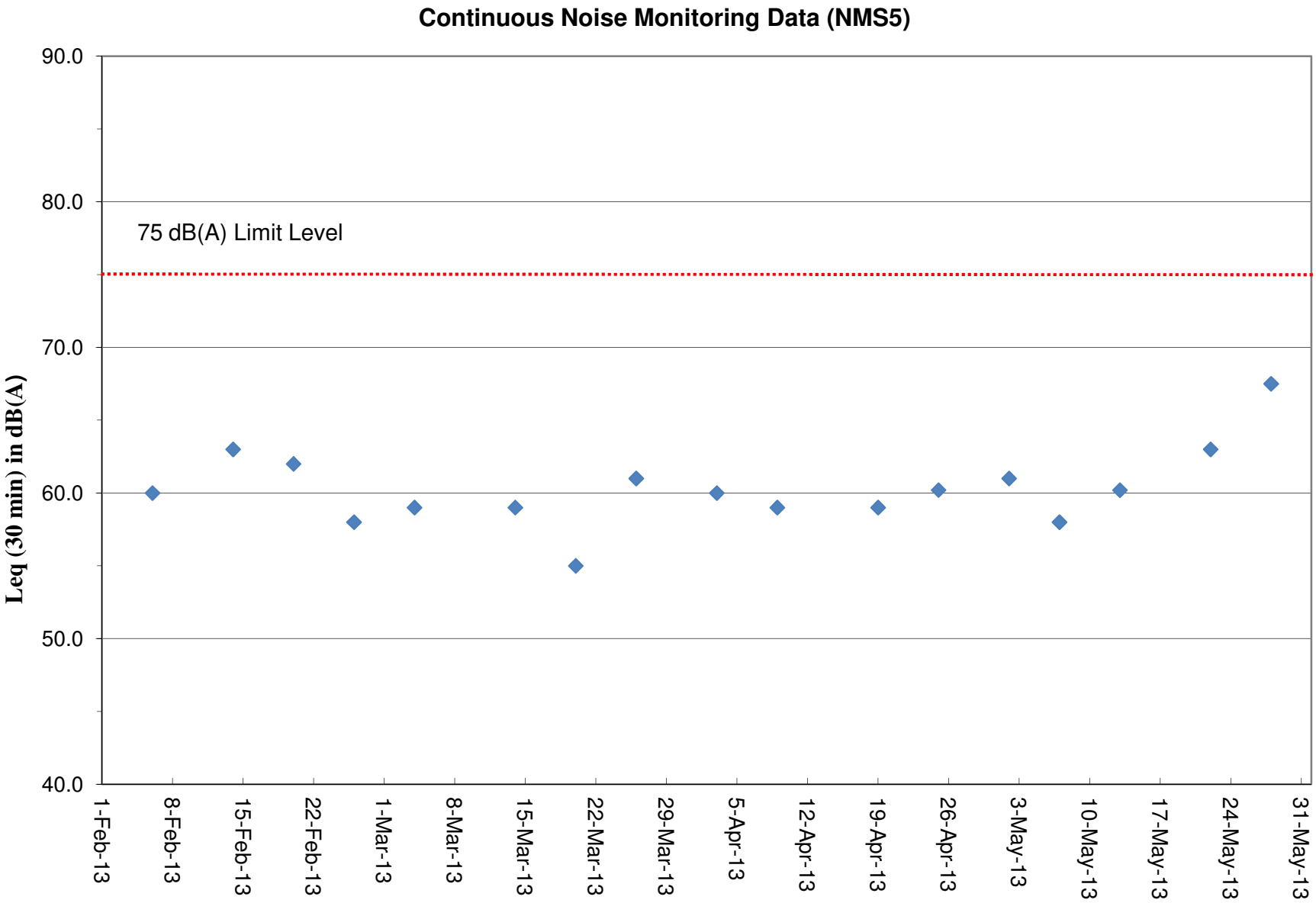
Noise Monitoring Data and Graphical Plots

Noise Monitoring Result of NMS5 from February to May 2013

| Project | Works | Date (yyyy-mm-dd) | Station | Time | Wind Speed, m/s | Parameter | Results* | Unit |
|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-02-06 | NMS5 | 9:41 | <5 | L eq 30 min | 60 | dB(A) |
| HKLR | HY/2011/03 | 2013-02-14 | NMS5 | 13:30 | <5 | L eq 30 min | 63 | dB(A) |
| HKLR | HY/2011/03 | 2013-02-20 | NMS5 | 9:40 | <5 | L eq 30 min | 62 | dB(A) |
| HKLR | HY/2011/03 | 2013-02-26 | NMS5 | 9:35 | <5 | L eq 30 min | 58 | dB(A) |
| HKLR | HY/2011/03 | 2013-03-04 | NMS5 | 9:55 | <5 | L eq 30 min | 59 | dB(A) |
| HKLR | HY/2011/03 | 2013-03-14 | NMS5 | 9:25 | <5 | L eq 30 min | 59 | dB(A) |
| HKLR | HY/2011/03 | 2013-03-20 | NMS5 | 10:07 | <5 | L eq 30 min | 55 | dB(A) |
| HKLR | HY/2011/03 | 2013-03-26 | NMS5 | 9:45 | <5 | L eq 30 min | 61 | dB(A) |
| HKLR | HY/2011/03 | 2013-04-03 | NMS5 | 10:10 | <5 | L eq 30 min | 60 | dB(A) |
| HKLR | HY/2011/03 | 2013-04-09 | NMS5 | 14:05 | <5 | L eq 30 min | 59 | dB(A) |
| HKLR | HY/2011/03 | 2013-04-19 | NMS5 | 10:10 | <5 | L eq 30 min | 59 | dB(A) |
| HKLR | HY/2011/03 | 2013-04-25 | NMS5 | 9:45 | <5 | L eq 30 min | 60 | dB(A) |
| HKLR | HY/2011/03 | 2013-05-02 | NMS5 | 9:55 | <5 | L eq 30 min | 61 | dB(A) |
| HKLR | HY/2011/03 | 2013-05-07 | NMS5 | 13:30 | <5 | L eq 30 min | 58 | dB(A) |
| HKLR | HY/2011/03 | 2013-05-13 | NMS5 | 9:35 | <5 | L eq 30 min | 60 | dB(A) |
| HKLR | HY/2011/03 | 2013-05-22 | NMS5 | 14:30 | <5 | L eq 30 min | 63 | dB(A) |
| HKLR | HY/2011/03 | 2013-05-28 | NMS5 | 9:40 | <5 | L eq 30 min | 68 | dB(A) |

Noted: * +3dB(A) Facade correction included.

**Graphical Plot of Noise Levels at NMS5**



# APPENDIX I

Water Quality Monitoring Data and Graphical Plots

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS5 | 13:59:28 | 1.0 | Surface | 1 | 1 | 19.8 | 8.48 | 30.99 | 108.1 | 8.22 | 3.1 | 5.6 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS5 | 13:59:47 | 1.0 | Surface | 1 | 2 | 19.8 | 8.49 | 30.99 | 108.3 | 8.23 | 3 | 5.9 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS5 | 13:59:42 | 4.6 | Middle | 2 | 1 | 19.78 | 8.48 | 31 | 108 | 8.22 | 3.1 | 5.2 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS5 | 13:59:22 | 4.6 | Middle | 2 | 2 | 19.77 | 8.48 | 31.01 | 107.9 | 8.21 | 3.1 | 6 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS5 | 13:59:36 | 8.2 | Bottom | 3 | 1 | 19.79 | 8.48 | 30.99 | 108 | 8.21 | 3.1 | 5.7 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS5 | 13:59:17 | 8.2 | Bottom | 3 | 2 | 19.79 | 8.48 | 30.99 | 107.8 | 8.2 | 3.1 | 5.6 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS(Mf)6 | 14:05:37 | 1.0 | Surface | 1 | 1 | 20.31 | 8.51 | 30.6 | 106.7 | 8.05 | 5.1 | 11.2 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS(Mf)6 | 14:05:28 | 1.0 | Surface | 1 | 2 | 20.33 | 8.51 | 30.6 | 106.4 | 8.03 | 6.2 | 10.4 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS(Mf)6 | 14:05:33 | 2.4 | Bottom | 3 | 1 | 20.32 | 8.51 | 30.59 | 106.5 | 8.04 | 6.5 | 6.9 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS(Mf)6 | 14:05:24 | 2.4 | Bottom | 3 | 2 | 20.34 | 8.51 | 30.59 | 106.4 | 8.02 | 6.7 | 7.1 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS7 | 14:12:44 | 1.0 | Surface | 1 | 1 | 20.3 | 8.53 | 30.41 | 110.9 | 8.38 | 2.9 | 6.5 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS7 | 14:12:53 | 1.0 | Surface | 1 | 2 | 20.29 | 8.53 | 30.42 | 111.1 | 8.4 | 3 | 7.1 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS7 | 14:12:49 | 2.4 | Bottom | 3 | 1 | 20.3 | 8.53 | 30.41 | 111 | 8.39 | 2.9 | 6.9 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS7 | 14:12:40 | 2.4 | Bottom | 3 | 2 | 20.3 | 8.53 | 30.41 | 110.6 | 8.36 | 3 | 6.1 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS8 | 14:38:33 | 1.0 | Surface | 1 | 1 | 20.38 | 8.53 | 30.53 | 110.6 | 8.34 | 4.9 | 5 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS8 | 14:38:46 | 1.0 | Surface | 1 | 2 | 20.39 | 8.53 | 30.52 | 110.6 | 8.34 | 4.6 | 5 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS8 | 14:38:29 | 2.6 | Bottom | 3 | 1 | 20.4 | 8.53 | 30.52 | 110.5 | 8.34 | 7.5 | 5.9 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS8 | 14:38:40 | 2.6 | Bottom | 3 | 2 | 20.38 | 8.53 | 30.54 | 110.5 | 8.33 | 7.3 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS(Mf)9 | 14:19:22 | 1.0 | Surface | 1 | 1 | 20.06 | 8.53 | 30.36 | 113.1 | 8.59 | 1.6 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS(Mf)9 | 14:19:13 | 1.0 | Surface | 1 | 2 | 20.08 | 8.53 | 30.36 | 112.9 | 8.57 | 1.6 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS(Mf)9 | 14:19:09 | 2.4 | Bottom | 3 | 1 | 20.09 | 8.53 | 30.35 | 112.8 | 8.56 | 1.7 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS(Mf)9 | 14:19:18 | 2.4 | Bottom | 3 | 2 | 20.09 | 8.53 | 30.34 | 113 | 8.57 | 1.6 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS10 | 15:20:09 | 1.0 | Surface | 1 | 1 | 19.93 | 8.45 | 30.74 | 113.9 | 8.65 | 2.6 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS10 | 15:20:56 | 1.0 | Surface | 1 | 2 | 19.89 | 8.45 | 30.79 | 113.8 | 8.64 | 2.8 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS10 | 15:20:43 | 5.3 | Middle | 2 | 1 | 19.7 | 8.45 | 31.16 | 112.2 | 8.54 | 4.4 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS10 | 15:19:52 | 5.3 | Middle | 2 | 2 | 19.68 | 8.45 | 31.18 | 112.3 | 8.55 | 4.3 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS10 | 15:20:27 | 9.5 | Bottom | 3 | 1 | 19.61 | 8.43 | 31.25 | 111.9 | 8.52 | 5.3 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | IS10 | 15:19:42 | 9.5 | Bottom | 3 | 2 | 19.67 | 8.44 | 31.2 | 112.8 | 8.59 | 5.2 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | SR3 | 13:51:26 | 0.8 | Middle | 2 | 1 | 20.15 | 8.48 | 30.77 | 105.3 | 7.97 | 3.3 | 5.6 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | SR3 | 13:51:22 | 0.8 | Middle | 2 | 2 | 20.14 | 8.47 | 30.78 | 105.3 | 7.96 | 3.4 | 5.8 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | SR4 | 14:29:25 | 1.0 | Surface | 1 | 1 | 20.37 | 8.52 | 30.52 | 110.1 | 8.3 | 1.1 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | SR4 | 14:29:16 | 1.0 | Surface | 1 | 2 | 20.34 | 8.52 | 30.54 | 109.8 | 8.28 | 1.2 | 4.7 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | SR4 | 14:29:20 | 2.4 | Bottom | 3 | 1 | 20.37 | 8.52 | 30.52 | 109.9 | 8.29 | 1.2 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | SR4 | 14:29:12 | 2.4 | Bottom | 3 | 2 | 20.34 | 8.52 | 30.54 | 109.6 | 8.27 | 1.2 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | SR5 | 15:08:41 | 1.0 | Surface | 1 | 1 | 19.93 | 8.45 | 30.75 | 114.2 | 8.68 | 1.9 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | SR5 | 15:08:19 | 1.0 | Surface | 1 | 2 | 19.93 | 8.45 | 30.75 | 113.8 | 8.64 | 2 | 2.3 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | SR5 | 15:08:29 | 3.6 | Bottom | 3 | 1 | 19.87 | 8.45 | 30.87 | 113.5 | 8.63 | 1.9 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | SR5 | 15:08:08 | 3.6 | Bottom | 3 | 2 | 19.85 | 8.45 | 30.91 | 113 | 8.58 | 2 | 5.3 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | SR10A | 15:34:55 | 1.0 | Surface | 1 | 1 | 19.37 | 8.43 | 31.07 | 104.7 | 8.02 | 1.3 | 2.9 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | SR10A | 15:34:32 | 1.0 | Surface | 1 | 2 | 19.34 | 8.42 | 31.09 | 104 | 7.97 | 1.4 | 2.9 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | SR10A | 15:34:25 | 3.3 | Middle | 2 | 1 | 19.25 | 8.41 | 31.2 | 103.6 | 7.95 | 1.7 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | SR10A | 15:34:48 | 3.3 | Middle | 2 | 2 | 19.29 | 8.42 | 31.15 | 104.3 | 7.99 | 1.6 | 5.4 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | SR10A | 15:34:42 | 5.5 | Bottom | 3 | 1 | 19.31 | 8.42 | 31.14 | 104.3 | 8 | 1.8 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | SR10A | 15:34:15 | 5.5 | Bottom | 3 | 2 | 19.31 | 8.42 | 31.14 | 104 | 7.97 | 1.9 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | SR10B | 15:41:06 | 1.0 | Surface | 1 | 1 | 19.29 | 8.42 | 31.15 | 104.7 | 8.02 | 1.4 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | SR10B | 15:41:20 | 1.0 | Surface | 1 | 2 | 19.33 | 8.43 | 31.11 | 104.8 | 8.03 | 1.5 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | SR10B | 15:40:59 | 4.6 | Bottom | 3 | 1 | 19.3 | 8.42 | 31.15 | 104.6 | 8.02 | 1.5 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | SR10B | 15:41:11 | 4.6 | Bottom | 3 | 2 | 19.32 | 8.43 | 31.13 | 104.7 | 8.02 | 1.6 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | CS2 | 13:41:47 | 1.0 | Surface | 1 | 1 | 19.84 | 8.48 | 30.82 | 109.6 | 8.34 | 3.5 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | CS2 | 13:42:27 | 1.0 | Surface | 1 | 2 | 19.76 | 8.47 | 30.96 | 110.5 | 8.41 | 3.6 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | CS2 | 13:41:33 | 3.8 | Middle | 2 | 1 | 19.67 | 8.47 | 31.1 | 107.4 | 8.18 | 4.1 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | CS2 | 13:42:17 | 3.8 | Middle | 2 | 2 | 19.64 | 8.46 | 31.21 | 109.5 | 8.34 | 4.1 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | CS2 | 13:42:01 | 6.6 | Bottom | 3 | 1 | 19.49 | 8.46 | 31.54 | 108.9 | 8.3 | 5.3 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | CS2 | 13:41:13 | 6.6 | Bottom | 3 | 2 | 19.38 | 8.45 | 31.67 | 102.6 | 7.83 | 5.5 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | CS(Mf)5 | 15:11:03 | 1.0 | Surface | 1 | 1 | 19.59 | 8.47 | 30.69 | 108.2 | 8.27 | 2.8 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | CS(Mf)5 | 15:11:30 | 1.0 | Surface | 1 | 2 | 19.59 | 8.47 | 30.7 | 108.2 | 8.27 | 2.6 | 2.8 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | CS(Mf)5 | 15:10:58 | 6.7 | Middle | 2 | 1 | 19.58 | 8.47 | 30.7 | 108 | 8.26 | 3 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | CS(Mf)5 | 15:11:23 | 6.7 | Middle | 2 | 2 | 19.56 | 8.47 | 30.73 | 107.8 | 8.25 | 2.9 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | CS(Mf)5 | 15:10:49 | 12.4 | Bottom | 3 | 1 | 19.57 | 8.47 | 30.72 | 107.9 | 8.25 | 3.3 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Ebb | Fine | CS(Mf)5 | 15:11:17 | 12.4 | Bottom | 3 | 2 | 19.56 | 8.47 | 30.73 | 107.7 | 8.24 | 3.2 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS5 | 09:13:49 | 1.0 | Surface | 1 | 1 | 20.1 | 8.49 | 30.62 | 106.1 | 8.04 | 2.4 | 7.6 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS5 | 09:14:11 | 1.0 | Surface | 1 | 2 | 20.1 | 8.5 | 30.62 | 106.4 | 8.06 | 2.5 | 7.1 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS5 | 09:13:45 | 4.6 | Middle | 2 | 1 | 20.1 | 8.49 | 30.62 | 106 | 8.03 | 2.4 | 8.2 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS5 | 09:14:04 | 4.6 | Middle | 2 | 2 | 20.1 | 8.5 | 30.63 | 106.2 | 8.04 | 2.5 | 8.6 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS5 | 09:13:58 | 8.1 | Bottom | 3 | 1 | 20.1 | 8.5 | 30.63 | 106.1 | 8.04 | 2.6 | 9.5 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS5 | 09:13:38 | 8.1 | Bottom | 3 | 2 | 20.11 | 8.49 | 30.61 | 106 | 8.03 | 2.5 | 9.3 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS(Mf)6 | 09:05:52 | 1.0 | Surface | 1 | 1 | 20.11 | 8.49 | 30.62 | 107.3 | 8.13 | 4.6 | 6.4 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS(Mf)6 | 09:05:43 | 1.0 | Surface | 1 | 2 | 20.12 | 8.49 | 30.62 | 107.2 | 8.12 | 4.5 | 5.4 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS(Mf)6 | 09:05:37 | 2.4 | Bottom | 3 | 1 | 20.12 | 8.49 | 30.62 | 107.1 | 8.11 | 4.6 | 5.3 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS(Mf)6 | 09:05:48 | 2.4 | Bottom | 3 | 2 | 20.11 | 8.49 | 30.62 | 107.3 | 8.12 | 4.7 | 5 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS7 | 08:59:44 | 1.0 | Surface | 1 | 1 | 20.1 | 8.5 | 30.52 | 107.3 | 8.14 | 5.3 | 5.3 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS7 | 08:59:35 | 1.0 | Surface | 1 | 2 | 20.1 | 8.5 | 30.52 | 107.3 | 8.13 | 5.4 | 6.5 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS7 | 08:59:31 | 2.4 | Bottom | 3 | 1 | 20.1 | 8.5 | 30.52 | 107.2 | 8.13 | 5.4 | 8.9 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS7 | 08:59:39 | 2.4 | Bottom | 3 | 2 | 20.1 | 8.5 | 30.52 | 107.2 | 8.13 | 5.5 | 7.2 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS8 | 08:34:38 | 1.0 | Surface | 1 | 1 | 19.81 | 8.48 | 30.35 | 108.2 | 8.25 | 3.3 | 3.9 | |

| 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS8 | 08:34:28 | 1.0 | Surface | 1 | 2 | 19.81 | 8.47 | 30.35 | 108.1 | 8.25 | 3.2 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS8 | 08:34:23 | 2.6 | Bottom | 3 | 1 | 19.81 | 8.47 | 30.35 | 108 | 8.24 | 3.1 | 6 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS8 | 08:34:33 | 2.6 | Bottom | 3 | 2 | 19.81 | 8.48 | 30.35 | 108.1 | 8.24 | 3.1 | 6.2 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS(Mf)9 | 08:53:12 | 1.0 | Surface | 1 | 1 | 19.63 | 8.48 | 30.48 | 109.7 | 8.39 | 3.6 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS(Mf)9 | 08:53:19 | 1.0 | Surface | 1 | 2 | 19.62 | 8.48 | 30.48 | 109.8 | 8.4 | 3.5 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS(Mf)9 | 08:53:08 | 2.5 | Bottom | 3 | 1 | 19.63 | 8.47 | 30.48 | 109.6 | 8.38 | 3.8 | 5 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS(Mf)9 | 08:53:16 | 2.5 | Bottom | 3 | 2 | 19.63 | 8.48 | 30.48 | 109.8 | 8.4 | 3.7 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS10 | 08:57:11 | 1.0 | Surface | 1 | 1 | 19.72 | 8.41 | 30.89 | 111 | 8.46 | 5.3 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS10 | 08:57:51 | 1.0 | Surface | 1 | 2 | 19.72 | 8.41 | 30.88 | 111.2 | 8.47 | 5.4 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS10 | 08:57:37 | 5.1 | Middle | 2 | 1 | 19.73 | 8.41 | 30.89 | 110.7 | 8.43 | 6.3 | 5.3 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS10 | 08:56:59 | 5.1 | Middle | 2 | 2 | 19.73 | 8.41 | 30.91 | 110.5 | 8.42 | 6.2 | 5.7 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS10 | 08:56:42 | 9.2 | Bottom | 3 | 1 | 19.74 | 8.41 | 30.94 | 110.4 | 8.4 | 7.4 | 6.3 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | IS10 | 08:57:24 | 9.2 | Bottom | 3 | 2 | 19.74 | 8.41 | 30.93 | 110.5 | 8.42 | 7.5 | 6.4 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | SR3 | 09:23:07 | 0.8 | Middle | 2 | 1 | 20.07 | 8.47 | 30.6 | 104.3 | 7.91 | 3.7 | 5.3 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | SR3 | 09:23:10 | 0.8 | Middle | 2 | 2 | 20.07 | 8.48 | 30.6 | 104.5 | 7.92 | 3.6 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | SR4 | 08:43:57 | 1.0 | Surface | 1 | 1 | 19.81 | 8.48 | 30.35 | 108.3 | 8.26 | 3.1 | 4.1 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | SR4 | 08:43:46 | 1.0 | Surface | 1 | 2 | 19.81 | 8.48 | 30.35 | 108.4 | 8.27 | 2.9 | 4 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | SR4 | 08:43:42 | 2.4 | Bottom | 3 | 1 | 19.81 | 8.48 | 30.35 | 108.4 | 8.27 | 4.3 | 4.5 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | SR4 | 08:43:52 | 2.4 | Bottom | 3 | 2 | 19.81 | 8.48 | 30.35 | 108.3 | 8.27 | 4.6 | 4.1 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | SR5 | 09:04:11 | 1.0 | Surface | 1 | 1 | 19.85 | 8.42 | 30.94 | 108.7 | 8.26 | 10.4 | 14.6 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | SR5 | 09:03:50 | 1.0 | Surface | 1 | 2 | 19.85 | 8.42 | 30.94 | 108.7 | 8.26 | 10.9 | 15.6 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | SR5 | 09:03:36 | 3.4 | Bottom | 3 | 1 | 19.84 | 8.42 | 30.95 | 108.5 | 8.24 | 10.7 | 13.1 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | SR5 | 09:04:01 | 3.4 | Bottom | 3 | 2 | 19.84 | 8.42 | 30.95 | 108.6 | 8.25 | 10.6 | 12.9 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | SR10A | 07:39:41 | 1.0 | Surface | 1 | 1 | 19.42 | 8.43 | 30.9 | 106.6 | 8.17 | 1.7 | 4 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | SR10A | 07:39:24 | 1.0 | Surface | 1 | 2 | 19.41 | 8.43 | 30.91 | 106.5 | 8.16 | 1.8 | 5.9 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | SR10A | 07:39:37 | 3.3 | Middle | 2 | 1 | 19.42 | 8.43 | 30.9 | 106.5 | 8.16 | 1.8 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | SR10A | 07:39:19 | 3.3 | Middle | 2 | 2 | 19.42 | 8.43 | 30.91 | 106.4 | 8.15 | 1.9 | 4 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | SR10A | 07:39:13 | 5.5 | Bottom | 3 | 1 | 19.42 | 8.43 | 30.91 | 106.3 | 8.15 | 1.9 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | SR10A | 07:39:31 | 5.5 | Bottom | 3 | 2 | 19.42 | 8.43 | 30.9 | 106.5 | 8.16 | 2 | 5.9 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | SR10B | 07:31:10 | 1.0 | Surface | 1 | 1 | 19.23 | 8.4 | 31.34 | 103.3 | 7.92 | 2.4 | 6.2 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | SR10B | 07:31:03 | 1.0 | Surface | 1 | 2 | 19.23 | 8.4 | 31.37 | 103.3 | 7.92 | 2.5 | 7 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | SR10B | 07:30:58 | 4.6 | Bottom | 3 | 1 | 19.23 | 8.39 | 31.39 | 103.2 | 7.91 | 2.7 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | SR10B | 07:31:06 | 4.6 | Bottom | 3 | 2 | 19.23 | 8.4 | 31.36 | 103.3 | 7.92 | 2.6 | 4 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | CS2 | 10:39:11 | 1.0 | Surface | 1 | 1 | 19.68 | 8.41 | 31.08 | 110.8 | 8.44 | 7.5 | 7.6 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | CS2 | 10:39:51 | 1.0 | Surface | 1 | 2 | 19.67 | 8.41 | 31.08 | 110.9 | 8.44 | 7.2 | 7.8 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | CS2 | 10:39:36 | 3.9 | Middle | 2 | 1 | 19.67 | 8.41 | 31.08 | 110.6 | 8.42 | 7.7 | 10.4 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | CS2 | 10:39:00 | 3.9 | Middle | 2 | 2 | 19.67 | 8.41 | 31.08 | 110.6 | 8.42 | 8.1 | 9.2 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | CS2 | 10:38:48 | 6.8 | Bottom | 3 | 1 | 19.67 | 8.41 | 31.08 | 110.5 | 8.42 | 7.9 | 11.2 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | CS2 | 10:39:22 | 6.8 | Bottom | 3 | 2 | 19.67 | 8.41 | 31.08 | 110.6 | 8.42 | 7.9 | 10.2 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | CS(Mf)5 | 08:06:55 | 1.0 | Surface | 1 | 1 | 19.7 | 8.47 | 30.39 | 110.4 | 8.43 | 2.6 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | CS(Mf)5 | 08:06:26 | 1.0 | Surface | 1 | 2 | 19.7 | 8.47 | 30.41 | 110.2 | 8.42 | 2.8 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | CS(Mf)5 | 08:06:50 | 6.7 | Middle | 2 | 1 | 19.66 | 8.46 | 30.47 | 109.9 | 8.4 | 2.7 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | CS(Mf)5 | 08:06:21 | 6.7 | Middle | 2 | 2 | 19.65 | 8.46 | 30.49 | 109.8 | 8.39 | 2.7 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | CS(Mf)5 | 08:06:41 | 12.4 | Bottom | 3 | 1 | 19.58 | 8.45 | 30.66 | 109.6 | 8.38 | 2.8 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-01 | Mid-Flood | Cloudy | CS(Mf)5 | 08:06:13 | 12.4 | Bottom | 3 | 2 | 19.61 | 8.45 | 30.62 | 109.7 | 8.38 | 2.9 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS5 | 16:25:20 | 1.0 | Surface | 1 | 1 | 18.88 | 8.38 | 30.63 | 100.4 | 7.78 | 3.1 | 5.9 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS5 | 16:25:49 | 1.0 | Surface | 1 | 2 | 18.92 | 8.38 | 30.6 | 100.7 | 7.8 | 3.1 | 5.2 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS5 | 16:25:39 | 4.6 | Middle | 2 | 1 | 18.87 | 8.39 | 30.64 | 100.4 | 7.78 | 3.2 | 6.5 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS5 | 16:25:13 | 4.6 | Middle | 2 | 2 | 18.87 | 8.38 | 30.65 | 100.3 | 7.78 | 3.2 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS5 | 16:25:32 | 8.2 | Bottom | 3 | 1 | 18.85 | 8.39 | 30.66 | 100.2 | 7.77 | 3.4 | 8.5 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS5 | 16:25:06 | 8.2 | Bottom | 3 | 2 | 18.87 | 8.38 | 30.64 | 100.3 | 7.77 | 3.3 | 7.7 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS(Mf)6 | 16:32:34 | 1.0 | Surface | 1 | 1 | 19.2 | 8.37 | 30.34 | 98.3 | 7.59 | 3.7 | 8.2 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS(Mf)6 | 16:32:22 | 1.0 | Surface | 1 | 2 | 19.22 | 8.37 | 30.32 | 98.3 | 7.59 | 3.7 | 8.1 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS(Mf)6 | 16:32:28 | 2.4 | Bottom | 3 | 1 | 19.22 | 8.37 | 30.32 | 98.2 | 7.58 | 3.6 | 8.6 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS(Mf)6 | 16:32:17 | 2.4 | Bottom | 3 | 2 | 19.26 | 8.36 | 30.29 | 98.2 | 7.57 | 3.8 | 7.4 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS7 | 16:38:58 | 1.0 | Surface | 1 | 1 | 19.42 | 8.39 | 30.22 | 99.8 | 7.68 | 4.2 | 9 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS7 | 16:39:12 | 1.0 | Surface | 1 | 2 | 19.43 | 8.39 | 30.22 | 99.9 | 7.68 | 4.2 | 8.1 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS7 | 16:39:05 | 2.4 | Bottom | 3 | 1 | 19.42 | 8.39 | 30.22 | 99.9 | 7.68 | 4.3 | 7.2 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS7 | 16:38:53 | 2.4 | Bottom | 3 | 2 | 19.42 | 8.38 | 30.22 | 99.7 | 7.67 | 4.2 | 6 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS8 | 17:05:30 | 1.0 | Surface | 1 | 1 | 19.32 | 8.4 | 30.21 | 99.6 | 7.68 | 2 | 4.7 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS8 | 17:05:39 | 1.0 | Surface | 1 | 2 | 19.31 | 8.4 | 30.21 | 99.6 | 7.67 | 2 | 5.4 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS8 | 17:05:25 | 2.6 | Bottom | 3 | 1 | 19.33 | 8.4 | 30.21 | 99.6 | 7.67 | 2 | 5.9 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS8 | 17:05:34 | 2.6 | Bottom | 3 | 2 | 19.34 | 8.4 | 30.2 | 99.6 | 7.67 | 2.1 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS(Mf)9 | 16:46:01 | 1.0 | Surface | 1 | 1 | 19.37 | 8.4 | 30.24 | 100.7 | 7.75 | 3.1 | 5.8 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS(Mf)9 | 16:45:50 | 1.0 | Surface | 1 | 2 | 19.35 | 8.39 | 30.24 | 100.6 | 7.75 | 3.2 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS(Mf)9 | 16:45:46 | 2.4 | Bottom | 3 | 1 | 19.38 | 8.39 | 30.21 | 100.6 | 7.74 | 3.3 | 6.5 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS(Mf)9 | 16:45:55 | 2.4 | Bottom | 3 | 2 | 19.38 | 8.4 | 30.22 | 100.6 | 7.74 | 3.4 | 6.9 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS10 | 17:53:59 | 1.0 | Surface | 1 | 1 | 19.1 | 8.35 | 30.85 | 98.4 | 7.58 | 3.2 | 5.2 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS10 | 17:54:56 | 1.0 | Surface | 1 | 2 | 19.12 | 8.35 | 30.85 | 99 | 7.63 | 3.3 | 6.8 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS10 | 17:54:41 | 5.0 | Middle | 2 | 1 | 19.06 | 8.34 | 30.86 | 97 | 7.48 | 3.3 | 6 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS10 | 17:53:50 | 5.0 | Middle | 2 | 2 | 19.05 | 8.34 | 30.88 | 97.4 | 7.51 | 3.5 | 6.3 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS10 | 17:53:37 | 9.0 | Bottom | 3 | 1 | 19.01 | 8.33 | 31.04 | 98 | 7.56 | 3.3 | 6.6 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | IS10 | 17:54:26 | 9.0 | Bottom | 3 | 2 | 18.97 | 8.31 | 31.13 | 96.1 | 7.41 | 3.3 | 6.6 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | SR3 | 16:16:38 | 0.8 | Middle | 2 | 1 | 18.96 | 8.36 | 30.61 | 100.2 | 7.75 | 3.1 | 5.4 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | SR3 | 16:16:36 | 0.8 | Middle | 2 | 2 | 18.95 | 8.35 | 30.61 | 100.1 | 7.75 | 3.1 | 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | SR4 | 16:54:52 | 1.0 | Surface | 1 | 1 | 19.18 | 8.38 | 30.24 | 97.8 | 7.56 | 2.4 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | SR4 | 16:54:43 | 1.0 | Surface | 1 | 2 | 19.12 | 8.38 | 30.25 | 97.7 | 7.55 | 2.6 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | SR4 | 16:54:48 | 2.4 | Bottom | 3 | 1 | 19.15 | 8.38 | 30.25 | 97.7 | 7.55 | 2.5 | 6.7 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | SR4 | 16:54:38 | 2.4 | Bottom | 3 | 2 | 19.12 | 8.38 | 30.24 | 97.7 | 7.55 | 2.6 | 7.6 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | SR5 | 17:45:46 | 1.0 | Surface | 1 | 1 | 19.29 | 8.33 | 30.96 | 97.9 | 7.52 | 4 | 7.8 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | SR5 | 17:46:21 | 1.0 | Surface | 1 | 2 | 19.39 | 8.32 | 30.97 | 98.2 | 7.52 | 3.9 | 7.6 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | SR5 | 17:45:31 | 3.7 | Bottom | 3 | 1 | 19.18 | 8.32 | 30.96 | 97.5 | 7.5 | 4.1 | 7.4 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | SR5 | 17:45:59 | 3.7 | Bottom | 3 | 2 | 19.2 | 8.33 | 30.95 | 97.6 | 7.51 | 4 | 6 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | SR10A | 18:05:48 | 1.0 | Surface | 1 | 1 | 18.71 | 8.32 | 31.54 | 94.6 | 7.31 | 1.1 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | SR10A | 18:05:30 | 1.0 | Surface | 1 | 2 | 18.69 | 8.32 | 31.56 | 94.5 | 7.31 | 1.1 | 4.7 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | SR10A | 18:05:25 | 3.3 | Middle | 2 | 1 | 18.67 | 8.32 | 31.59 | 94.3 | 7.3 | 1.2 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | SR10A | 18:05:43 | 3.3 | Middle | 2 | 2 | 18.69 | 8.32 | 31.56 | 94.5 | 7.31 | 1.1 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | SR10A | 18:05:37 | 5.5 | Bottom | 3 | 1 | 18.7 | 8.32 | 31.56 | 94.4 | 7.3 | 1.2 | 8.2 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | SR10A | 18:05:18 | 5.5 | Bottom | 3 | 2 | 18.69 | 8.32 | 31.57 | 94.4 | 7.3 | 1.2 | 7.6 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | SR10B | 18:15:51 | 1.0 | Surface | 1 | 1 | 18.71 | 8.33 | 31.55 | 95 | 7.34 | 1.2 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | SR10B | 18:16:00 | 1.0 | Surface | 1 | 2 | 18.71 | 8.33 | 31.55 | 94.9 | 7.34 | 1.2 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | SR10B | 18:15:46 | 4.6 | Bottom | 3 | 1 | 18.72 | 8.33 | 31.55 | 95.1 | 7.35 | 1.2 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | SR10B | 18:15:56 | 4.6 | Bottom | 3 | 2 | 18.72 | 8.33 | 31.54 | 94.9 | 7.34 | 1.2 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | CS2 | 16:16:29 | 1.0 | Surface | 1 | 1 | 19.03 | 8.35 | 30.74 | 102.1 | 7.88 | 2.6 | 3 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | CS2 | 16:17:04 | 1.0 | Surface | 1 | 2 | 19.02 | 8.35 | 30.79 | 101.9 | 7.87 | 2.7 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | CS2 | 16:16:14 | 3.9 | Middle | 2 | 1 | 18.76 | 8.35 | 31.19 | 101.2 | 7.84 | 3.5 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | CS2 | 16:16:53 | 3.9 | Middle | 2 | 2 | 18.77 | 8.35 | 31.18 | 101.2 | 7.83 | 3.6 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | CS2 | 16:16:43 | 6.8 | Bottom | 3 | 1 | 18.78 | 8.35 | 31.23 | 101 | 7.82 | 4 | 5.7 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | CS2 | 16:15:56 | 6.8 | Bottom | 3 | 2 | 18.75 | 8.35 | 31.21 | 100.4 | 7.77 | 3.8 | 5.6 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | CS(Mf)5 | 17:40:03 | 1.0 | Surface | 1 | 1 | 18.89 | 8.33 | 31.28 | 95.4 | 7.37 | 1.1 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | CS(Mf)5 | 17:40:24 | 1.0 | Surface | 1 | 2 | 18.89 | 8.34 | 31.28 | 95.5 | 7.37 | 1.2 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | CS(Mf)5 | 17:39:57 | 6.7 | Middle | 2 | 1 | 18.87 | 8.33 | 31.3 | 95.3 | 7.36 | 1.3 | 7.8 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | CS(Mf)5 | 17:40:19 | 6.7 | Middle | 2 | 2 | 18.87 | 8.33 | 31.31 | 95.3 | 7.36 | 1.2 | 7 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | CS(Mf)5 | 17:39:51 | 12.4 | Bottom | 3 | 1 | 18.87 | 8.33 | 31.31 | 95.3 | 7.36 | 1.4 | 7.7 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Ebb | Sunny | CS(Mf)5 | 17:40:13 | 12.4 | Bottom | 3 | 2 | 18.88 | 8.34 | 31.3 | 95.4 | 7.36 | 1.3 | 7.3 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS5 | 11:12:11 | 1.0 | Surface | 1 | 1 | 18.91 | 8.38 | 30.4 | 95.2 | 7.38 | 3.3 | 6.6 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS5 | 11:12:31 | 1.0 | Surface | 1 | 2 | 18.92 | 8.39 | 30.4 | 95.3 | 7.39 | 3.3 | 6 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS5 | 11:12:07 | 4.5 | Middle | 2 | 1 | 18.9 | 8.38 | 30.35 | 94.9 | 7.36 | 3.3 | 7.2 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS5 | 11:12:26 | 4.5 | Middle | 2 | 2 | 18.87 | 8.39 | 30.36 | 94.9 | 7.37 | 3.4 | 7.5 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS5 | 11:12:20 | 8.0 | Bottom | 3 | 1 | 18.92 | 8.38 | 30.35 | 94.9 | 7.36 | 3.5 | 7 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS5 | 11:12:02 | 8.0 | Bottom | 3 | 2 | 19 | 8.38 | 30.33 | 94.9 | 7.35 | 3.4 | 7.5 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS(Mf)6 | 11:04:57 | 1.0 | Surface | 1 | 1 | 18.93 | 8.39 | 30.29 | 96.2 | 7.47 | 4.2 | 10.5 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS(Mf)6 | 11:04:50 | 1.0 | Surface | 1 | 2 | 18.93 | 8.39 | 30.29 | 96.4 | 7.48 | 4.1 | 10.1 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS(Mf)6 | 11:04:47 | 2.4 | Bottom | 3 | 1 | 18.93 | 8.39 | 30.29 | 96.5 | 7.48 | 4.2 | 7.1 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS(Mf)6 | 11:04:54 | 2.4 | Bottom | 3 | 2 | 18.93 | 8.39 | 30.29 | 96.3 | 7.48 | 4.1 | 7.9 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS7 | 10:56:55 | 1.0 | Surface | 1 | 1 | 18.99 | 8.38 | 30.28 | 95.3 | 7.39 | 4.6 | 9 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS7 | 10:56:44 | 1.0 | Surface | 1 | 2 | 18.96 | 8.38 | 30.28 | 95.4 | 7.4 | 4.5 | 8.3 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS7 | 10:56:39 | 2.4 | Bottom | 3 | 1 | 18.99 | 8.38 | 30.26 | 95.5 | 7.4 | 4.9 | 6.5 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS7 | 10:56:48 | 2.4 | Bottom | 3 | 2 | 19 | 8.38 | 30.26 | 95.4 | 7.39 | 4.8 | 6.9 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS8 | 10:30:56 | 1.0 | Surface | 1 | 1 | 18.9 | 8.38 | 30.21 | 95.6 | 7.42 | 2.1 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS8 | 10:30:46 | 1.0 | Surface | 1 | 2 | 18.9 | 8.38 | 30.21 | 95.7 | 7.43 | 2 | 4.7 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS8 | 10:30:41 | 2.6 | Bottom | 3 | 1 | 18.9 | 8.38 | 30.21 | 95.7 | 7.43 | 2 | 5.6 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS8 | 10:30:51 | 2.6 | Bottom | 3 | 2 | 18.91 | 8.38 | 30.21 | 95.6 | 7.42 | 2 | 6.1 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS(Mf)9 | 10:49:55 | 1.0 | Surface | 1 | 1 | 18.91 | 8.39 | 30.26 | 98 | 7.61 | 3.5 | 5 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS(Mf)9 | 10:50:04 | 1.0 | Surface | 1 | 2 | 18.91 | 8.39 | 30.26 | 98 | 7.61 | 3.4 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS(Mf)9 | 10:49:49 | 2.4 | Bottom | 3 | 1 | 18.92 | 8.38 | 30.24 | 98.1 | 7.61 | 3.6 | 10.1 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS(Mf)9 | 10:50:00 | 2.4 | Bottom | 3 | 2 | 18.92 | 8.39 | 30.25 | 98 | 7.6 | 3.5 | 10.7 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS10 | 10:32:25 | 1.0 | Surface | 1 | 1 | 18.93 | 8.35 | 30.9 | 99.9 | 7.73 | 5.3 | 8.1 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS10 | 10:31:22 | 1.0 | Surface | 1 | 2 | 18.93 | 8.35 | 30.9 | 99.9 | 7.72 | 5.2 | 8.8 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS10 | 10:31:04 | 5.3 | Middle | 2 | 1 | 18.92 | 8.35 | 30.9 | 99.4 | 7.69 | 6.5 | 8.6 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS10 | 10:32:05 | 5.3 | Middle | 2 | 2 | 18.92 | 8.35 | 30.9 | 99.5 | 7.69 | 6.5 | 8.7 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS10 | 10:30:53 | 9.6 | Bottom | 3 | 1 | 18.91 | 8.35 | 30.9 | 99.1 | 7.66 | 6.9 | 8.9 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | IS10 | 10:31:52 | 9.6 | Bottom | 3 | 2 | 18.91 | 8.35 | 30.9 | 99.4 | 7.69 | 6.7 | 8.3 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | SR3 | 11:20:25 | 0.8 | Middle | 2 | 1 | 18.89 | 8.33 | 30.35 | 95.2 | 7.39 | 4.5 | 8.2 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | SR3 | 11:20:26 | 0.8 | Middle | 2 | 2 | 18.89 | 8.33 | 30.35 | 95.1 | 7.38 | 4.5 | 8.9 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | SR4 | 10:40:22 | 1.0 | Surface | 1 | 1 | 18.91 | 8.4 | 30.21 | 95.3 | 7.4 | 3 | 7.6 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | SR4 | 10:40:12 | 1.0 | Surface | 1 | 2 | 18.9 | 8.4 | 30.21 | 95.4 | 7.41 | 3.2 | 7.5 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | SR4 | 10:40:08 | 2.4 | Bottom | 3 | 1 | 18.9 | 8.4 | 30.21 | 95.4 | 7.41 | 3.3 | 5.5 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | SR4 | 10:40:18 | 2.4 | Bottom | 3 | 2 | 18.9 | 8.4 | 30.21 | 95.4 | 7.4 | 3.4 | 5.3 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | SR5 | 10:38:55 | 1.0 | Surface | 1 | 1 | 18.94 | 8.34 | 30.87 | 98.5 | 7.62 | 13.5 | 15.7 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | SR5 | 10:39:23 | 1.0 | Surface | 1 | 2 | 18.95 | 8.34 | 30.87 | 98.4 | 7.6 | 13.5 | 15 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | SR5 | 10:39:08 | 3.6 | Bottom | 3 | 1 | 18.91 | 8.34 | 30.88 | 98.2 | 7.59 | 13.3 | 15.7 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | SR5 | 10:38:41 | 3.6 | Bottom | 3 | 2 | 18.91 | 8.34 | 30.88 | 98.3 | 7.61 | 13.4 | 15.9 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | SR10A | 09:32:49 | 1.0 | Surface | 1 | 1 | 18.62 | 8.36 | 31.47 | 93.4 | 7.24 | 1.4 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | SR10A | 09:32:24 | 1.0 | Surface | 1 | 2 | 18.62 | 8.36 | 31.46 | 93.4 | 7.24 | 1.3 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | SR10A | 09:32:42 | 3.3 | Middle | 2 | 1 | 18.62 | 8.36 | 31.47 | 93.2 | 7.22 | 1.6 | 6.6 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | SR10A | 09:32:19 | 3.3 | Middle | 2 | 2 | 18.62 | 8.36 | 31.47 | 93.3 | 7.23 | 1.4 | 7.3 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | SR10A | 09:32:11 | 5.5 | Bottom | 3 | 1 | 18.62 | 8.36 | 31.46 | 93.3 | 7.23 | 1.5 | 6.9 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | SR10A | 09:32:36 | 5.5 | Bottom | 3 | 2 | 18.62 | 8.36 | 31.46 | 93.2 | 7.22 | 1.7 | 6.7 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | SR10B | 09:22:38 | 1.0 | Surface | 1 | 1 | 18.49 | 8.35 | 31.63 | 93.1 | 7.22 | 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | SR10B | 09:22:30 | 1.0 | Surface | 1 | 2 | 18.49 | 8.35 | 31.63 | 93.1 | 7.23 | 1.2 | | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | SR10B | 09:22:26 | 4.5 | Bottom | 3 | 1 | 18.49 | 8.35 | 31.63 | 93.1 | 7.23 | 1.2 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | SR10B | 09:22:35 | 4.5 | Bottom | 3 | 2 | 18.49 | 8.35 | 31.63 | 93.1 | 7.22 | 1.2 | 5.2 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | CS2 | 12:21:14 | 1.0 | Surface | 1 | 1 | 18.99 | 8.36 | 30.96 | 100.8 | 7.78 | 3.3 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | CS2 | 12:21:50 | 1.0 | Surface | 1 | 2 | 18.98 | 8.36 | 30.97 | 100.8 | 7.78 | 3.4 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | CS2 | 12:21:36 | 4.1 | Middle | 2 | 1 | 18.94 | 8.35 | 31 | 100.4 | 7.75 | 4.3 | 5.8 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | CS2 | 12:20:57 | 4.1 | Middle | 2 | 2 | 18.95 | 8.35 | 31.01 | 100.3 | 7.74 | 4 | 6.3 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | CS2 | 12:20:39 | 7.1 | Bottom | 3 | 1 | 18.95 | 8.35 | 31.01 | 100.5 | 7.76 | 4.1 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | CS2 | 12:21:24 | 7.1 | Bottom | 3 | 2 | 18.95 | 8.35 | 30.99 | 100.6 | 7.77 | 3.9 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | CS(Mf)5 | 09:59:45 | 1.0 | Surface | 1 | 1 | 18.77 | 8.38 | 30.92 | 95.7 | 7.42 | 1.1 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | CS(Mf)5 | 09:58:58 | 1.0 | Surface | 1 | 2 | 18.76 | 8.38 | 30.93 | 95.8 | 7.43 | 1.2 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | CS(Mf)5 | 09:59:35 | 6.7 | Middle | 2 | 1 | 18.75 | 8.38 | 31.03 | 95.1 | 7.37 | 1.3 | 4.7 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | CS(Mf)5 | 09:58:51 | 6.7 | Middle | 2 | 2 | 18.73 | 8.37 | 31 | 95.3 | 7.39 | 1.2 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | CS(Mf)5 | 09:59:14 | 12.4 | Bottom | 3 | 1 | 18.74 | 8.36 | 31.24 | 94.9 | 7.35 | 1.7 | 4 | |
| HKLR | HY/2011/03 | 2013-03-04 | Mid-Flood | Sunny | CS(Mf)5 | 09:58:35 | 12.4 | Bottom | 3 | 2 | 18.74 | 8.36 | 31.22 | 95.2 | 7.37 | 1.6 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS5 | 19:41:13 | 1.0 | Surface | 1 | 1 | 19.19 | 8.41 | 31.19 | 105.5 | 8.1 | 2.6 | 4.7 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS5 | 19:41:49 | 1.0 | Surface | 1 | 2 | 19.16 | 8.41 | 31.19 | 105.4 | 8.1 | 2.6 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS5 | 19:41:35 | 4.1 | Middle | 2 | 1 | 18.94 | 8.42 | 31.52 | 104.9 | 8.08 | 2.5 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS5 | 19:41:01 | 4.1 | Middle | 2 | 2 | 19.09 | 8.41 | 31.28 | 105.1 | 8.09 | 2.6 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS5 | 19:40:46 | 7.1 | Bottom | 3 | 1 | 18.82 | 8.42 | 31.66 | 104.6 | 8.07 | 2.6 | 2.9 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS5 | 19:41:24 | 7.1 | Bottom | 3 | 2 | 18.86 | 8.41 | 31.57 | 104.4 | 8.05 | 2.7 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS(Mf)6 | 19:50:06 | 1.0 | Surface | 1 | 1 | 19.4 | 8.41 | 30.67 | 104.3 | 8 | 2.1 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS(Mf)6 | 19:49:48 | 1.0 | Surface | 1 | 2 | 19.4 | 8.41 | 30.67 | 104.2 | 8 | 2.1 | 2.6 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS(Mf)6 | 19:49:55 | 2.1 | Bottom | 3 | 1 | 19.4 | 8.41 | 30.67 | 104.2 | 8 | 2.1 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS(Mf)6 | 19:49:37 | 2.1 | Bottom | 3 | 2 | 19.39 | 8.41 | 30.67 | 104.2 | 8 | 2 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS7 | 19:58:45 | 1.0 | Surface | 1 | 1 | 19.4 | 8.41 | 30.67 | 104.4 | 8.01 | 2.2 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS7 | 19:59:02 | 1.0 | Surface | 1 | 2 | 19.39 | 8.41 | 30.67 | 104.3 | 8 | 2.2 | 5.2 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS7 | 19:58:34 | 2.3 | Bottom | 3 | 1 | 19.4 | 8.41 | 30.67 | 104.3 | 8.01 | 2.2 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS7 | 19:58:54 | 2.3 | Bottom | 3 | 2 | 19.39 | 8.41 | 30.67 | 104.3 | 8 | 2.1 | 2.5 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS8 | 20:24:24 | 1.0 | Surface | 1 | 1 | 18.75 | 8.39 | 30.83 | 98.2 | 7.62 | 2.3 | 2.2 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS8 | 20:24:56 | 1.0 | Surface | 1 | 2 | 18.77 | 8.39 | 30.83 | 98 | 7.6 | 2.3 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS8 | 20:24:11 | 2.9 | Bottom | 3 | 1 | 18.77 | 8.39 | 30.83 | 98.2 | 7.62 | 2.3 | 5.2 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS8 | 20:24:39 | 2.9 | Bottom | 3 | 2 | 18.79 | 8.39 | 30.84 | 98 | 7.6 | 2.4 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS(Mf)9 | 20:06:33 | 1.0 | Surface | 1 | 1 | 19.2 | 8.41 | 30.81 | 103.9 | 8 | 3.2 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS(Mf)9 | 20:06:53 | 1.0 | Surface | 1 | 2 | 19.2 | 8.41 | 30.82 | 103.9 | 8 | 3.3 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS(Mf)9 | 20:06:21 | 2.7 | Bottom | 3 | 1 | 19.19 | 8.41 | 30.82 | 103.6 | 7.98 | 3.3 | 3 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS(Mf)9 | 20:06:42 | 2.7 | Bottom | 3 | 2 | 19.2 | 8.41 | 30.82 | 103.9 | 7.99 | 3.3 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS10 | 20:18:09 | 1.0 | Surface | 1 | 1 | 18.82 | 8.28 | 31.74 | 104.4 | 8.05 | 2.4 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS10 | 20:18:34 | 1.0 | Surface | 1 | 2 | 18.82 | 8.28 | 31.74 | 104.8 | 8.08 | 2.4 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS10 | 20:18:27 | 5.6 | Middle | 2 | 1 | 18.77 | 8.28 | 31.82 | 104.4 | 8.05 | 2.3 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS10 | 20:18:03 | 5.6 | Middle | 2 | 2 | 18.77 | 8.28 | 31.78 | 104.2 | 8.04 | 2.3 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS10 | 20:17:53 | 10.2 | Bottom | 3 | 1 | 18.76 | 8.28 | 31.82 | 103.9 | 8.01 | 2.3 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | IS10 | 20:18:20 | 10.2 | Bottom | 3 | 2 | 18.77 | 8.28 | 31.88 | 104 | 8.02 | 2.3 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | SR3 | 19:31:57 | 0.7 | Middle | 2 | 1 | 19.24 | 8.44 | 31.26 | 106.7 | 8.18 | 2.5 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | SR3 | 19:31:46 | 0.7 | Middle | 2 | 2 | 19.19 | 8.44 | 31.27 | 106.5 | 8.18 | 2.5 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | SR4 | 20:18:33 | 1.0 | Surface | 1 | 1 | 18.95 | 8.4 | 30.79 | 101.7 | 7.86 | 3.1 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | SR4 | 20:18:53 | 1.0 | Surface | 1 | 2 | 18.97 | 8.4 | 30.78 | 101.8 | 7.87 | 3 | 2.5 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | SR4 | 20:18:41 | 2.8 | Bottom | 3 | 1 | 18.99 | 8.4 | 30.79 | 101.8 | 7.86 | 3.2 | 2.6 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | SR4 | 20:18:21 | 2.8 | Bottom | 3 | 2 | 18.87 | 8.4 | 30.76 | 101.6 | 7.87 | 3.4 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | SR5 | 20:07:49 | 1.0 | Surface | 1 | 1 | 18.87 | 8.28 | 32 | 106.6 | 8.19 | 2.2 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | SR5 | 20:08:03 | 1.0 | Surface | 1 | 2 | 18.86 | 8.28 | 31.99 | 106.9 | 8.22 | 2.2 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | SR5 | 20:07:40 | 4.5 | Bottom | 3 | 1 | 18.89 | 8.28 | 31.94 | 106.2 | 8.17 | 2.3 | 2.4 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | SR5 | 20:07:56 | 4.5 | Bottom | 3 | 2 | 18.89 | 8.28 | 32.01 | 106.5 | 8.19 | 2.5 | 2.6 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | SR10A | 21:23:40 | 1.0 | Surface | 1 | 1 | 18.53 | 8.34 | 31.62 | 91.9 | 7.13 | 1.6 | 2.4 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | SR10A | 21:24:16 | 1.0 | Surface | 1 | 2 | 18.52 | 8.34 | 31.63 | 91.8 | 7.12 | 1.6 | 2.1 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | SR10A | 21:24:05 | 3.2 | Middle | 2 | 1 | 18.49 | 8.33 | 31.68 | 91.6 | 7.11 | 1.6 | 2.3 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | SR10A | 21:23:28 | 3.2 | Middle | 2 | 2 | 18.49 | 8.33 | 31.68 | 91.2 | 7.07 | 1.7 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | SR10A | 21:23:16 | 5.3 | Bottom | 3 | 1 | 18.45 | 8.33 | 31.73 | 91 | 7.06 | 1.7 | 3 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | SR10A | 21:23:53 | 5.3 | Bottom | 3 | 2 | 18.5 | 8.34 | 31.67 | 91.8 | 7.12 | 1.6 | 2.5 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | SR10B | 21:33:05 | 1.0 | Surface | 1 | 1 | 18.47 | 8.33 | 31.7 | 90.9 | 7.06 | 1.6 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | SR10B | 21:32:40 | 1.0 | Surface | 1 | 2 | 18.47 | 8.33 | 31.7 | 91.2 | 7.08 | 1.6 | 2.2 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | SR10B | 21:32:54 | 4.0 | Bottom | 3 | 1 | 18.45 | 8.33 | 31.73 | 90.8 | 7.05 | 1.6 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | SR10B | 21:32:32 | 4.0 | Bottom | 3 | 2 | 18.47 | 8.33 | 31.7 | 91.1 | 7.07 | 1.6 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | CS2 | 19:11:51 | 1.0 | Surface | 1 | 1 | 18.87 | 8.17 | 31.79 | 97 | 7.46 | 3.3 | 6 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | CS2 | 19:12:38 | 1.0 | Surface | 1 | 2 | 18.94 | 8.19 | 31.68 | 97.7 | 7.52 | 3.4 | 5 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | CS2 | 19:12:30 | 4.1 | Middle | 2 | 1 | 18.9 | 8.18 | 31.82 | 96.6 | 7.43 | 2.8 | 5.3 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | CS2 | 19:11:46 | 4.1 | Middle | 2 | 2 | 18.79 | 8.16 | 31.85 | 96.3 | 7.42 | 3 | 6.5 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | CS2 | 19:11:41 | 7.2 | Bottom | 3 | 1 | 18.79 | 8.16 | 31.85 | 95.9 | 7.39 | 3.3 | 7.8 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | CS2 | 19:12:17 | 7.2 | Bottom | 3 | 2 | 18.77 | 8.16 | 31.94 | 96 | 7.4 | 3.4 | 6.4 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | CS(Mf)5 | 20:58:24 | 1.0 | Surface | 1 | 1 | 18.93 | 8.37 | 31.27 | 95.6 | 7.37 | 1.9 | 6.3 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | CS(Mf)5 | 20:57:44 | 1.0 | Surface | 1 | 2 | 18.91 | 8.36 | 31.31 | 95.2 | 7.34 | 1.8 | 4.7 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | CS(Mf)5 | 20:58:10 | 6.3 | Middle | 2 | 1 | 18.79 | 8.35 | 31.47 | 94.3 | 7.28 | 1.8 | 5.7 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | CS(Mf)5 | 20:57:33 | 6.3 | Middle | 2 | 2 | 18.78 | 8.35 | 31.48 | 94.6 | 7.31 | 1.8 | 5.3 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | CS(Mf)5 | 20:57:24 | 11.6 | Bottom | 3 | 1 | 18.81 | 8.35 | 31.45 | 95.2 | 7.35 | 1.8 | 2.2 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Ebb | Fine | CS(Mf)5 | 20:58:00 | 11.6 | Bottom | 3 | 2 | 18.79 | 8.35 | 31.47 | 94.7 | 7.32 | 1.9 | 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS5 | 13:51:36 | 1.0 | Surface | 1 | 1 | 18.66 | 8.38 | 30.77 | 98.3 | 7.64 | 2.3 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS5 | 13:50:53 | 1.0 | Surface | 1 | 2 | 18.71 | 8.38 | 30.73 | 98.5 | 7.66 | 2.3 | 5.7 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS5 | 13:50:40 | 4.2 | Middle | 2 | 1 | 18.44 | 8.38 | 31.13 | 98 | 7.64 | 2.3 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS5 | 13:51:26 | 4.2 | Middle | 2 | 2 | 18.48 | 8.38 | 31.05 | 98.1 | 7.64 | 2.3 | 5.6 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS5 | 13:51:14 | 7.3 | Bottom | 3 | 1 | 18.31 | 8.38 | 31.5 | 98 | 7.64 | 2.3 | 5.3 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS5 | 13:50:31 | 7.3 | Bottom | 3 | 2 | 18.42 | 8.38 | 31.36 | 98 | 7.63 | 2.2 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS(Mf)6 | 13:38:50 | 1.0 | Surface | 1 | 1 | 18.91 | 8.39 | 30.66 | 100.7 | 7.8 | 3.6 | 6.3 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS(Mf)6 | 13:38:29 | 1.0 | Surface | 1 | 2 | 18.89 | 8.39 | 30.67 | 100.6 | 7.8 | 3.7 | 5.6 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS(Mf)6 | 13:38:15 | 2.2 | Bottom | 3 | 1 | 18.74 | 8.39 | 30.72 | 100.2 | 7.78 | 3.5 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS(Mf)6 | 13:38:38 | 2.2 | Bottom | 3 | 2 | 18.74 | 8.39 | 30.71 | 100.5 | 7.81 | 3.5 | 5.9 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS7 | 13:27:29 | 1.0 | Surface | 1 | 1 | 18.99 | 8.4 | 30.67 | 102 | 7.89 | 3.5 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS7 | 13:27:12 | 1.0 | Surface | 1 | 2 | 18.99 | 8.4 | 30.67 | 102 | 7.89 | 3.5 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS7 | 13:27:02 | 2.4 | Bottom | 3 | 1 | 18.94 | 8.4 | 30.64 | 101.7 | 7.87 | 3.5 | 5.5 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS7 | 13:27:21 | 2.4 | Bottom | 3 | 2 | 18.98 | 8.4 | 30.65 | 101.9 | 7.88 | 3.6 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS8 | 13:03:36 | 1.0 | Surface | 1 | 1 | 19.08 | 8.4 | 30.85 | 102.2 | 7.88 | 2 | 4.1 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS8 | 13:03:19 | 1.0 | Surface | 1 | 2 | 19.09 | 8.4 | 30.82 | 102 | 7.86 | 2 | 2.8 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS8 | 13:03:09 | 3.1 | Bottom | 3 | 1 | 18.86 | 8.41 | 30.83 | 101.4 | 7.85 | 2.2 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS8 | 13:03:28 | 3.1 | Bottom | 3 | 2 | 18.93 | 8.41 | 30.8 | 101.4 | 7.84 | 2.2 | 2.6 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS(Mf)9 | 13:20:03 | 1.0 | Surface | 1 | 1 | 19.14 | 8.4 | 30.78 | 101.7 | 7.84 | 2.1 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS(Mf)9 | 13:19:39 | 1.0 | Surface | 1 | 2 | 19.16 | 8.4 | 30.78 | 101.7 | 7.84 | 2.1 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS(Mf)9 | 13:19:52 | 2.6 | Bottom | 3 | 1 | 18.99 | 8.4 | 30.78 | 101.3 | 7.83 | 2.3 | 2.2 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS(Mf)9 | 13:19:28 | 2.6 | Bottom | 3 | 2 | 19 | 8.4 | 30.81 | 101.1 | 7.81 | 2.4 | 2.4 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS10 | 12:36:35 | 1.0 | Surface | 1 | 1 | 18.78 | 8.25 | 31.52 | 100 | 7.73 | 5.5 | 8.5 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS10 | 12:36:11 | 1.0 | Surface | 1 | 2 | 18.77 | 8.24 | 31.52 | 99.8 | 7.71 | 5.6 | 8.6 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS10 | 12:36:30 | 5.8 | Middle | 2 | 1 | 18.78 | 8.25 | 31.57 | 99.7 | 7.7 | 5.6 | 8.6 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS10 | 12:36:07 | 5.8 | Middle | 2 | 2 | 18.77 | 8.24 | 31.57 | 99.7 | 7.7 | 5.5 | 7.6 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS10 | 12:35:59 | 10.6 | Bottom | 3 | 1 | 18.78 | 8.24 | 31.6 | 99.5 | 7.68 | 5.7 | 7.1 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | IS10 | 12:36:22 | 10.6 | Bottom | 3 | 2 | 18.77 | 8.25 | 31.59 | 99.5 | 7.68 | 5.6 | 7.8 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | SR3 | 13:57:31 | 0.7 | Middle | 2 | 1 | 18.92 | 8.39 | 30.94 | 100.7 | 7.78 | 2.4 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | SR3 | 13:57:20 | 0.7 | Middle | 2 | 2 | 18.92 | 8.39 | 30.94 | 100.7 | 7.79 | 2.4 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | SR4 | 13:09:07 | 1.0 | Surface | 1 | 1 | 19.23 | 8.39 | 30.87 | 101.6 | 7.81 | 2.1 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | SR4 | 13:08:45 | 1.0 | Surface | 1 | 2 | 19.3 | 8.39 | 30.89 | 101.9 | 7.83 | 2.1 | 4.5 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | SR4 | 13:08:32 | 2.7 | Bottom | 3 | 1 | 18.99 | 8.4 | 30.82 | 100.9 | 7.79 | 2.3 | 5.4 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | SR4 | 13:08:55 | 2.7 | Bottom | 3 | 2 | 18.99 | 8.4 | 30.83 | 101.2 | 7.82 | 2.1 | 5.9 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | SR5 | 12:43:05 | 1.0 | Surface | 1 | 1 | 18.63 | 8.24 | 31.63 | 98.6 | 7.63 | 5.5 | 6.6 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | SR5 | 12:43:15 | 1.0 | Surface | 1 | 2 | 18.65 | 8.24 | 31.62 | 98.7 | 7.64 | 5.6 | 6.2 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | SR5 | 12:43:00 | 4.5 | Bottom | 3 | 1 | 18.65 | 8.23 | 31.62 | 98.4 | 7.61 | 5.8 | 5.6 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | SR5 | 12:43:10 | 4.5 | Bottom | 3 | 2 | 18.65 | 8.24 | 31.62 | 98.6 | 7.63 | 5.6 | 7.1 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | SR10A | 12:03:38 | 1.0 | Surface | 1 | 1 | 18.62 | 8.31 | 31.56 | 90.8 | 7.03 | 1.6 | 4 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | SR10A | 12:03:03 | 1.0 | Surface | 1 | 2 | 18.59 | 8.31 | 31.57 | 90.9 | 7.05 | 1.6 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | SR10A | 12:02:53 | 3.3 | Middle | 2 | 1 | 18.55 | 8.31 | 31.58 | 91.1 | 7.06 | 1.6 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | SR10A | 12:03:26 | 3.3 | Middle | 2 | 2 | 18.55 | 8.32 | 31.58 | 91 | 7.06 | 1.5 | 2.8 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | SR10A | 12:03:15 | 5.6 | Bottom | 3 | 1 | 18.51 | 8.32 | 31.58 | 90.5 | 7.03 | 1.6 | 3 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | SR10A | 12:02:41 | 5.6 | Bottom | 3 | 2 | 18.49 | 8.32 | 31.58 | 90.7 | 7.04 | 1.6 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | SR10B | 11:57:20 | 1.0 | Surface | 1 | 1 | 18.41 | 8.31 | 31.7 | 90.4 | 7.02 | 1.7 | 2.4 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | SR10B | 11:57:40 | 1.0 | Surface | 1 | 2 | 18.4 | 8.31 | 31.7 | 90.2 | 7.01 | 1.6 | 3 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | SR10B | 11:57:29 | 4.3 | Bottom | 3 | 1 | 18.4 | 8.31 | 31.7 | 90.1 | 7 | 1.7 | 2.8 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | SR10B | 11:57:07 | 4.3 | Bottom | 3 | 2 | 18.41 | 8.31 | 31.7 | 90.3 | 7.01 | 1.7 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | CS2 | 13:45:23 | 1.0 | Surface | 1 | 1 | 18.91 | 8.25 | 31.74 | 100.8 | 7.75 | 1.3 | 2.3 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | CS2 | 13:44:51 | 1.0 | Surface | 1 | 2 | 18.87 | 8.25 | 31.74 | 100.7 | 7.76 | 1.5 | 2.8 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | CS2 | 13:44:45 | 4.1 | Middle | 2 | 1 | 18.86 | 8.24 | 31.74 | 100.5 | 7.74 | 1.8 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | CS2 | 13:45:13 | 4.1 | Middle | 2 | 2 | 18.85 | 8.25 | 31.74 | 100.4 | 7.73 | 1.6 | 2.1 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | CS2 | 13:44:37 | 7.2 | Bottom | 3 | 1 | 18.88 | 8.24 | 31.73 | 100.5 | 7.74 | 1.9 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | CS2 | 13:45:03 | 7.2 | Bottom | 3 | 2 | 18.82 | 8.25 | 31.74 | 100.3 | 7.73 | 2 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | CS(Mf)5 | 12:31:30 | 1.0 | Surface | 1 | 1 | 18.77 | 8.35 | 31.35 | 93.9 | 7.26 | 2.1 | 2.9 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | CS(Mf)5 | 12:32:03 | 1.0 | Surface | 1 | 2 | 18.74 | 8.34 | 31.37 | 93.5 | 7.23 | 2.1 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | CS(Mf)5 | 12:31:17 | 6.3 | Middle | 2 | 1 | 18.5 | 8.34 | 31.48 | 92.5 | 7.18 | 2.3 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | CS(Mf)5 | 12:31:54 | 6.3 | Middle | 2 | 2 | 18.5 | 8.34 | 31.49 | 92.5 | 7.18 | 2.2 | 2.6 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | CS(Mf)5 | 12:31:43 | 11.6 | Bottom | 3 | 1 | 18.56 | 8.34 | 31.5 | 93.2 | 7.23 | 2.5 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-06 | Mid-Flood | Sunny | CS(Mf)5 | 12:31:04 | 11.6 | Bottom | 3 | 2 | 18.54 | 8.34 | 31.52 | 93.2 | 7.23 | 2.4 | 2.2 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS5 | 11:54:11 | 1.0 | Surface | 1 | 1 | 19.62 | 8.4 | 30.46 | 110.1 | 8.42 | 3.1 | 2.5 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS5 | 11:54:45 | 1.0 | Surface | 1 | 2 | 19.62 | 8.4 | 30.46 | 110.2 | 8.43 | 3 | 2.3 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS5 | 11:54:40 | 4.7 | Middle | 2 | 1 | 19.6 | 8.4 | 30.47 | 109.9 | 8.41 | 3.1 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS5 | 11:54:05 | 4.7 | Middle | 2 | 2 | 19.6 | 8.39 | 30.47 | 109.6 | 8.39 | 3.2 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS5 | 11:53:55 | 8.4 | Bottom | 3 | 1 | 19.53 | 8.39 | 30.54 | 109.4 | 8.38 | 3.4 | 5.9 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS5 | 11:54:27 | 8.4 | Bottom | 3 | 2 | 19.54 | 8.39 | 30.53 | 109.6 | 8.39 | 3.2 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS(Mf)6 | 11:46:57 | 1.0 | Surface | 1 | 1 | 19.73 | 8.37 | 30.77 | 108.1 | 8.24 | 6.8 | 6.5 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS(Mf)6 | 11:46:44 | 1.0 | Surface | 1 | 2 | 19.7 | 8.37 | 30.81 | 108.4 | 8.27 | 7 | 6.1 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS(Mf)6 | 11:46:39 | 2.4 | Bottom | 3 | 1 | 19.77 | 8.37 | 30.76 | 108.4 | 8.26 | 7.4 | 7 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS(Mf)6 | 11:46:49 | 2.4 | Bottom | 3 | 2 | 19.73 | 8.37 | 30.79 | 108.2 | 8.24 | 7.2 | 6.2 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS7 | 11:38:59 | 1.0 | Surface | 1 | 1 | 19.42 | 8.4 | 30.47 | 113 | 8.68 | 5.4 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS7 | 11:39:08 | 1.0 | Surface | 1 | 2 | 19.41 | 8.4 | 30.46 | 112.8 | 8.67 | 5.3 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS7 | 11:39:02 | 2.5 | Bottom | 3 | 1 | 19.4 | 8.4 | 30.46 | 112.9 | 8.67 | 7.2 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS7 | 11:38:53 | 2.5 | Bottom | 3 | 2 | 19.41 | 8.4 | 30.51 | 113 | 8.67 | 7.1 | 4.7 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS8 | 11:15:18 | 1.0 | Surface | 1 | 1 | 19.76 | 8.39 | 30.11 | 110.2 | 8.43 | 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS8 | 11:14:45 | 1.0 | Surface | 1 | 2 | 19.72 | 8.39 | 30.13 | 109.8 | 8.4 | 2.6 | 2.8 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS8 | 11:15:06 | 2.5 | Bottom | 3 | 1 | 19.67 | 8.37 | 30.47 | 109.3 | 8.35 | 3.5 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS8 | 11:14:36 | 2.5 | Bottom | 3 | 2 | 19.68 | 8.38 | 30.4 | 109.5 | 8.37 | 3.4 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS(Mf)9 | 11:31:36 | 1.0 | Surface | 1 | 1 | 19.62 | 8.4 | 30.28 | 112.8 | 8.64 | 2.1 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS(Mf)9 | 11:31:46 | 1.0 | Surface | 1 | 2 | 19.63 | 8.4 | 30.28 | 113.1 | 8.66 | 2 | 2.9 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS(Mf)9 | 11:31:31 | 2.4 | Bottom | 3 | 1 | 19.65 | 8.4 | 30.26 | 112.8 | 8.63 | 2.2 | 6.1 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS(Mf)9 | 11:31:41 | 2.4 | Bottom | 3 | 2 | 19.65 | 8.4 | 30.25 | 113.1 | 8.66 | 2.1 | 5.5 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS10 | 11:00:07 | 1.0 | Surface | 1 | 1 | 19.75 | 8.32 | 29.39 | 109.6 | 8.41 | 2 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS10 | 11:01:25 | 1.0 | Surface | 1 | 2 | 19.72 | 8.33 | 29.59 | 109.3 | 8.39 | 2.1 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS10 | 11:01:00 | 5.3 | Middle | 2 | 1 | 19.49 | 8.32 | 30.68 | 106.3 | 8.14 | 4.5 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS10 | 10:59:31 | 5.3 | Middle | 2 | 2 | 19.49 | 8.32 | 30.69 | 106.8 | 8.18 | 4.2 | 5 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS10 | 11:00:44 | 9.5 | Bottom | 3 | 1 | 19.4 | 8.31 | 31.1 | 106 | 8.12 | 4.7 | 6.2 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | IS10 | 10:58:56 | 9.5 | Bottom | 3 | 2 | 19.4 | 8.31 | 31.07 | 105.4 | 8.06 | 4.9 | 5.8 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | SR3 | 12:00:41 | 0.8 | Middle | 2 | 1 | 19.64 | 8.43 | 30.02 | 116.5 | 8.93 | 2.2 | 3 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | SR3 | 12:00:36 | 0.8 | Middle | 2 | 2 | 19.64 | 8.43 | 30.01 | 116.3 | 8.92 | 2.3 | 4 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | SR4 | 11:20:45 | 1.0 | Surface | 1 | 1 | 19.72 | 8.38 | 30.05 | 108.5 | 8.31 | 2 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | SR4 | 11:20:57 | 1.0 | Surface | 1 | 2 | 19.72 | 8.37 | 30.06 | 108.2 | 8.29 | 1.9 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | SR4 | 11:20:51 | 2.5 | Bottom | 3 | 1 | 19.72 | 8.37 | 30.1 | 108.6 | 8.31 | 2.2 | 6.1 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | SR4 | 11:20:39 | 2.5 | Bottom | 3 | 2 | 19.72 | 8.37 | 30.06 | 108.7 | 8.32 | 2.1 | 7.5 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | SR5 | 11:08:42 | 1.0 | Surface | 1 | 1 | 19.81 | 8.32 | 29.7 | 110.8 | 8.49 | 1.9 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | SR5 | 11:09:17 | 1.0 | Surface | 1 | 2 | 19.7 | 8.32 | 29.89 | 110.7 | 8.48 | 2 | 3 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | SR5 | 11:08:20 | 4.4 | Bottom | 3 | 1 | 19.51 | 8.33 | 30.62 | 110 | 8.42 | 2.2 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | SR5 | 11:08:59 | 4.4 | Bottom | 3 | 2 | 19.55 | 8.33 | 30.57 | 110.2 | 8.44 | 2.2 | 5.5 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | SR10A | 09:56:18 | 1.0 | Surface | 1 | 1 | 18.73 | 8.3 | 31.66 | 92.8 | 7.17 | 1.1 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | SR10A | 09:56:39 | 1.0 | Surface | 1 | 2 | 18.69 | 8.31 | 31.69 | 92.7 | 7.17 | 1.1 | 4.7 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | SR10A | 09:56:33 | 3.3 | Middle | 2 | 1 | 18.67 | 8.31 | 31.71 | 92.5 | 7.16 | 1.2 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | SR10A | 09:56:10 | 3.3 | Middle | 2 | 2 | 18.67 | 8.31 | 31.72 | 92.6 | 7.16 | 1.2 | 4.1 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | SR10A | 09:56:26 | 5.5 | Bottom | 3 | 1 | 18.69 | 8.31 | 31.7 | 92.6 | 7.15 | 1.2 | 5.4 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | SR10A | 09:56:03 | 5.5 | Bottom | 3 | 2 | 18.66 | 8.3 | 31.73 | 92.4 | 7.15 | 1.3 | 6.2 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | SR10B | 09:46:03 | 1.0 | Surface | 1 | 1 | 18.63 | 8.31 | 31.78 | 93.1 | 7.2 | 1.2 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | SR10B | 09:45:46 | 1.0 | Surface | 1 | 2 | 18.64 | 8.31 | 31.78 | 93.2 | 7.2 | 1.2 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | SR10B | 09:45:54 | 4.5 | Bottom | 3 | 1 | 18.64 | 8.31 | 31.77 | 93.1 | 7.2 | 1.2 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | SR10B | 09:45:37 | 4.5 | Bottom | 3 | 2 | 18.64 | 8.31 | 31.78 | 93.2 | 7.21 | 1.2 | 5.4 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | CS2 | 12:14:22 | 1.0 | Surface | 1 | 1 | 20.3 | 8.33 | 29 | 111.8 | 8.52 | 1.8 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | CS2 | 12:15:54 | 1.0 | Surface | 1 | 2 | 20.23 | 8.34 | 29.14 | 112.4 | 8.57 | 2 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | CS2 | 12:14:05 | 3.8 | Middle | 2 | 1 | 19.41 | 8.33 | 31.04 | 106.7 | 8.17 | 1.9 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | CS2 | 12:15:35 | 3.8 | Middle | 2 | 2 | 19.42 | 8.33 | 31.03 | 107.6 | 8.24 | 2.1 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | CS2 | 12:15:04 | 6.6 | Bottom | 3 | 1 | 19.36 | 8.32 | 31.19 | 107.1 | 8.2 | 4 | 6 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | CS2 | 12:13:25 | 6.6 | Bottom | 3 | 2 | 19.31 | 8.31 | 31.3 | 104.5 | 8.01 | 3.7 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | CS(Mf)5 | 10:30:45 | 1.0 | Surface | 1 | 1 | 19.04 | 8.34 | 31.23 | 96.5 | 7.43 | 1.1 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | CS(Mf)5 | 10:31:34 | 1.0 | Surface | 1 | 2 | 19.07 | 8.34 | 31.18 | 97 | 7.47 | 1.2 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | CS(Mf)5 | 10:31:22 | 6.8 | Middle | 2 | 1 | 18.93 | 8.32 | 31.39 | 95.5 | 7.36 | 1.2 | 4.7 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | CS(Mf)5 | 10:30:33 | 6.8 | Middle | 2 | 2 | 18.91 | 8.32 | 31.42 | 95.6 | 7.37 | 1.2 | 4 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | CS(Mf)5 | 10:31:08 | 12.5 | Bottom | 3 | 1 | 18.87 | 8.32 | 31.46 | 95.6 | 7.37 | 1.2 | 5.8 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Ebb | Sunny | CS(Mf)5 | 10:30:20 | 12.5 | Bottom | 3 | 2 | 18.89 | 8.32 | 31.44 | 96.3 | 7.43 | 1.3 | 5.3 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS5 | 14:34:18 | 1.0 | Surface | 1 | 1 | 19.88 | 8.43 | 30.32 | 115.2 | 8.78 | 2.4 | 2.9 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS5 | 14:33:34 | 1.0 | Surface | 1 | 2 | 19.85 | 8.42 | 30.32 | 114.6 | 8.74 | 2.4 | 2.2 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS5 | 14:34:11 | 4.8 | Middle | 2 | 1 | 19.8 | 8.41 | 30.38 | 113.3 | 8.64 | 2.4 | 4.5 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS5 | 14:33:28 | 4.8 | Middle | 2 | 2 | 19.77 | 8.41 | 30.39 | 113.2 | 8.64 | 2.5 | 4 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS5 | 14:33:56 | 8.5 | Bottom | 3 | 1 | 19.64 | 8.39 | 30.62 | 112.1 | 8.57 | 2.6 | 6.7 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS5 | 14:33:15 | 8.5 | Bottom | 3 | 2 | 19.64 | 8.39 | 30.59 | 112.4 | 8.59 | 2.7 | 5.2 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS(Mf)6 | 14:41:14 | 1.0 | Surface | 1 | 1 | 20.1 | 8.4 | 30.77 | 114.4 | 8.66 | 7.3 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS(Mf)6 | 14:41:02 | 1.0 | Surface | 1 | 2 | 20.01 | 8.4 | 30.81 | 114.2 | 8.66 | 7.1 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS(Mf)6 | 14:40:57 | 2.5 | Bottom | 3 | 1 | 20.16 | 8.4 | 30.7 | 114.3 | 8.65 | 7.5 | 5 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS(Mf)6 | 14:41:07 | 2.5 | Bottom | 3 | 2 | 20.1 | 8.4 | 30.73 | 114 | 8.63 | 7.4 | 4.5 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS7 | 14:49:27 | 1.0 | Surface | 1 | 1 | 20.07 | 8.45 | 30.29 | 123.8 | 9.41 | 4.9 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS7 | 14:49:42 | 1.0 | Surface | 1 | 2 | 20.09 | 8.45 | 30.28 | 123.8 | 9.4 | 4.5 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS7 | 14:49:32 | 2.5 | Bottom | 3 | 1 | 20.05 | 8.45 | 30.25 | 123.7 | 9.4 | 5.3 | 7.1 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS7 | 14:49:17 | 2.5 | Bottom | 3 | 2 | 19.96 | 8.45 | 30.27 | 123.6 | 9.41 | 5.6 | 8 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS8 | 15:15:09 | 1.0 | Surface | 1 | 1 | 20.47 | 8.43 | 30.05 | 119.7 | 9.04 | 2.6 | 2.4 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS8 | 15:14:57 | 1.0 | Surface | 1 | 2 | 20.46 | 8.43 | 30.07 | 119.8 | 9.05 | 2.7 | 3 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS8 | 15:14:51 | 2.5 | Bottom | 3 | 1 | 20.46 | 8.43 | 30.06 | 119.8 | 9.04 | 2.7 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS8 | 15:15:01 | 2.5 | Bottom | 3 | 2 | 20.46 | 8.43 | 30.05 | 119.8 | 9.05 | 2.7 | 5.5 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS(Mf)9 | 14:56:26 | 1.0 | Surface | 1 | 1 | 19.91 | 8.42 | 30.44 | 116.7 | 8.88 | 2.6 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS(Mf)9 | 14:57:41 | 1.0 | Surface | 1 | 2 | 20.21 | 8.41 | 30.29 | 116.3 | 8.81 | 2.7 | 5.6 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS(Mf)9 | 14:56:22 | 2.5 | Bottom | 3 | 1 | 20.02 | 8.42 | 30.37 | 116.4 | 8.84 | 2.7 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS(Mf)9 | 14:57:19 | 2.5 | Bottom | 3 | 2 | 19.62 | 8.4 | 30.78 | 115.4 | 8.81 | 2.7 | 4.7 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS10 | 15:47:34 | 1.0 | Surface | 1 | 1 | 20.26 | 8.39 | 28.7 | 117.8 | 9 | 2.4 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS10 | 15:46:37 | 1.0 | Surface | 1 | 2 | 20.35 | 8.39 | 28.65 | 119.9 | 9.15 | 2.3 | 2.5 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS10 | 15:46:10 | 5.4 | Middle | 2 | 1 | 19.48 | 8.31 | 30.88 | 106.7 | 8.17 | 4.1 | 5 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS10 | 15:47:15 | 5.4 | Middle | 2 | 2 | 19.49 | 8.32 | 30.79 | 108.8 | 8.33 | 3.9 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS10 | 15:45:58 | 9.8 | Bottom | 3 | 1 | 19.38 | 8.32 | 31.12 | 107.4 | 8.22 | 3.1 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | IS10 | 15:47:06 | 9.8 | Bottom | 3 | 2 | 19.42 | 8.32 | 31.03 | 110.7 | 8.48 | 3 | 4.1 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | SR3 | 14:22:35 | 0.7 | Middle | 2 | 1 | 19.89 | 8.41 | 30.3 | 116.5 | 8.88 | 2.2 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | SR3 | 14:22:30 | 0.7 | Middle | 2 | 2 | 19.86 | 8.41 | 30.33 | 116 | 8.84 | 2.5 | 3 | |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | SR4 | 15:04:50 | 1.0 | Surface | 1 | 1 | 20.42 | 8.43 | 30.13 | 120.7 | 9.12 | 2.8 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | SR4 | 15:05:02 | 1.0 | Surface | 1 | 2 | 20.44 | 8.43 | 30.08 | 120.5 | 9.1 | 2.7 | 4.7 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | SR4 | 15:04:57 | 2.5 | Bottom | 3 | 1 | 20.43 | 8.43 | 30.08 | 120.6 | 9.11 | 2.8 | 4.1 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | SR4 | 15:04:44 | 2.5 | Bottom | 3 | 2 | 20.45 | 8.43 | 30.12 | 120.8 | 9.12 | 2.8 | 4.7 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | SR5 | 15:33:04 | 1.0 | Surface | 1 | 1 | 20.4 | 8.37 | 28.84 | 121.8 | 9.28 | 1.7 | 2.5 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | SR5 | 15:32:28 | 1.0 | Surface | 1 | 2 | 20.29 | 8.37 | 28.9 | 122 | 9.3 | 1.6 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | SR5 | 15:32:44 | 4.5 | Bottom | 3 | 1 | 19.82 | 8.39 | 29.4 | 121 | 9.28 | 2.4 | 5.5 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | SR5 | 15:32:07 | 4.5 | Bottom | 3 | 2 | 19.83 | 8.39 | 29.41 | 121.2 | 9.29 | 2.5 | 5.8 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | SR10A | 16:27:05 | 1.0 | Surface | 1 | 1 | 18.89 | 8.31 | 31.64 | 95.8 | 7.38 | 1.2 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | SR10A | 16:27:29 | 1.0 | Surface | 1 | 2 | 18.89 | 8.31 | 31.64 | 95.8 | 7.38 | 1.1 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | SR10A | 16:26:59 | 3.3 | Middle | 2 | 1 | 18.88 | 8.31 | 31.64 | 95.7 | 7.37 | 1.3 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | SR10A | 16:27:25 | 3.3 | Middle | 2 | 2 | 18.89 | 8.31 | 31.64 | 95.7 | 7.37 | 1.2 | 2.8 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | SR10A | 16:26:52 | 5.6 | Bottom | 3 | 1 | 18.88 | 8.31 | 31.64 | 95.6 | 7.36 | 1.4 | 6.2 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | SR10A | 16:27:18 | 5.6 | Bottom | 3 | 2 | 18.89 | 8.31 | 31.64 | 95.7 | 7.37 | 1.3 | 7.3 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | SR10B | 16:36:33 | 1.0 | Surface | 1 | 1 | 18.9 | 8.31 | 31.64 | 96.3 | 7.42 | 1.3 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | SR10B | 16:36:41 | 1.0 | Surface | 1 | 2 | 18.9 | 8.31 | 31.63 | 96.4 | 7.42 | 1.2 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | SR10B | 16:36:36 | 4.4 | Bottom | 3 | 1 | 18.9 | 8.31 | 31.63 | 96.3 | 7.42 | 1.2 | 6.1 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | SR10B | 16:36:27 | 4.4 | Bottom | 3 | 2 | 18.9 | 8.31 | 31.63 | 96.4 | 7.42 | 1.3 | 5.2 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | CS2 | 14:27:21 | 1.0 | Surface | 1 | 1 | 20.04 | 8.37 | 29.27 | 116.3 | 8.89 | 1.7 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | CS2 | 14:26:29 | 1.0 | Surface | 1 | 2 | 20.06 | 8.38 | 29.28 | 115 | 8.79 | 1.8 | 2.5 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | CS2 | 14:26:16 | 4.0 | Middle | 2 | 1 | 19.76 | 8.39 | 29.63 | 112.3 | 8.61 | 1.7 | 5 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | CS2 | 14:27:00 | 4.0 | Middle | 2 | 2 | 19.69 | 8.39 | 29.74 | 113.9 | 8.74 | 1.9 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | CS2 | 14:25:51 | 7.0 | Bottom | 3 | 1 | 19.51 | 8.37 | 30.47 | 107.4 | 8.23 | 2 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | CS2 | 14:26:46 | 7.0 | Bottom | 3 | 2 | 19.57 | 8.37 | 30.35 | 113.4 | 8.69 | 1.9 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | CS(Mf)5 | 15:53:49 | 1.0 | Surface | 1 | 1 | 19.89 | 8.43 | 30.32 | 118.8 | 9.05 | 1.5 | 2.5 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | CS(Mf)5 | 15:54:22 | 1.0 | Surface | 1 | 2 | 20.07 | 8.44 | 30.15 | 119.8 | 9.11 | 1.6 | 2.9 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | CS(Mf)5 | 15:53:45 | 6.8 | Middle | 2 | 1 | 19.81 | 8.43 | 30.4 | 117.6 | 8.97 | 1.6 | 2.6 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | CS(Mf)5 | 15:54:17 | 6.8 | Middle | 2 | 2 | 19.86 | 8.43 | 30.34 | 118 | 9 | 1.6 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | CS(Mf)5 | 15:54:01 | 12.6 | Bottom | 3 | 1 | 19.46 | 8.4 | 30.89 | 116.6 | 8.92 | 1.6 | 4.7 | |
| HKLR | HY/2011/03 | 2013-03-08 | Mid-Flood | Sunny | CS(Mf)5 | 15:53:30 | 12.6 | Bottom | 3 | 2 | 19.4 | 8.4 | 30.94 | 116.4 | 8.92 | 1.7 | 5.7 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS5 | 13:46:58 | 1.0 | Surface | 1 | 1 | 21 | 8.37 | 29.05 | 111.7 | 8.4 | 3.7 | 5.2 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS5 | 13:47:58 | 1.0 | Surface | 1 | 2 | 21.16 | 8.37 | 29 | 111.2 | 8.34 | 4 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS5 | 13:46:46 | 4.7 | Middle | 2 | 1 | 20.46 | 8.37 | 29.11 | 109.9 | 8.35 | 3.9 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS5 | 13:47:35 | 4.7 | Middle | 2 | 2 | 20.51 | 8.38 | 29.11 | 110.1 | 8.35 | 4 | 6.5 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS5 | 13:47:19 | 8.3 | Bottom | 3 | 1 | 20.18 | 8.37 | 29.13 | 109 | 8.32 | 5.5 | 6.9 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS5 | 13:46:30 | 8.3 | Bottom | 3 | 2 | 20.22 | 8.37 | 29.12 | 109.1 | 8.32 | 5.3 | 6 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS(Mf)6 | 13:33:43 | 1.0 | Surface | 1 | 1 | 21.07 | 8.38 | 29.03 | 111.2 | 8.35 | 3.6 | 5.8 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS(Mf)6 | 13:34:13 | 1.0 | Surface | 1 | 2 | 21.09 | 8.37 | 29.02 | 111.5 | 8.37 | 3.6 | 5.6 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS(Mf)6 | 13:33:33 | 2.7 | Bottom | 3 | 1 | 20.99 | 8.38 | 29.04 | 110.4 | 8.3 | 3.6 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS(Mf)6 | 13:33:58 | 2.7 | Bottom | 3 | 2 | 20.94 | 8.38 | 29.05 | 111.3 | 8.38 | 3.4 | 5.9 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS7 | 13:27:33 | 1.0 | Surface | 1 | 1 | 21.33 | 8.39 | 28.89 | 111.3 | 8.33 | 6.7 | 6 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS7 | 13:27:55 | 1.0 | Surface | 1 | 2 | 21.32 | 8.39 | 28.89 | 111.3 | 8.33 | 6.5 | 5.9 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS7 | 13:27:46 | 2.4 | Bottom | 3 | 1 | 21.29 | 8.39 | 28.89 | 111.1 | 8.32 | 7 | 6.4 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS7 | 13:27:18 | 2.4 | Bottom | 3 | 2 | 21.29 | 8.39 | 28.89 | 111 | 8.31 | 7.6 | 6 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS8 | 13:02:03 | 1.0 | Surface | 1 | 1 | 21.22 | 8.38 | 28.94 | 111.6 | 8.36 | 3.9 | 2.2 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS8 | 13:01:45 | 1.0 | Surface | 1 | 2 | 21.24 | 8.38 | 28.94 | 111.5 | 8.35 | 4 | 2.2 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS8 | 13:01:54 | 2.7 | Bottom | 3 | 1 | 21.23 | 8.38 | 28.94 | 111.4 | 8.35 | 4.4 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS8 | 13:01:31 | 2.7 | Bottom | 3 | 2 | 21.21 | 8.38 | 28.95 | 111 | 8.32 | 4.9 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS(Mf)9 | 13:19:40 | 1.0 | Surface | 1 | 1 | 20.96 | 8.39 | 28.8 | 113.7 | 8.57 | 4 | 5.2 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS(Mf)9 | 13:19:58 | 1.0 | Surface | 1 | 2 | 20.93 | 8.39 | 28.8 | 113.9 | 8.59 | 4.2 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS(Mf)9 | 13:19:28 | 2.4 | Bottom | 3 | 1 | 20.92 | 8.39 | 28.79 | 113.4 | 8.56 | 4.6 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS(Mf)9 | 13:19:51 | 2.4 | Bottom | 3 | 2 | 20.89 | 8.39 | 28.8 | 113.7 | 8.58 | 4.5 | 4.1 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS10 | 13:18:26 | 1.0 | Surface | 1 | 1 | 20.52 | 8.32 | 29.19 | 109.7 | 8.31 | 3.8 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS10 | 13:19:12 | 1.0 | Surface | 1 | 2 | 20.5 | 8.32 | 29.21 | 109.6 | 8.31 | 3.9 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS10 | 13:18:11 | 5.3 | Middle | 2 | 1 | 20.14 | 8.32 | 29.59 | 108.2 | 8.24 | 5.2 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS10 | 13:18:57 | 5.3 | Middle | 2 | 2 | 20.15 | 8.32 | 29.57 | 108.5 | 8.26 | 5.1 | 2.2 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS10 | 13:18:40 | 9.6 | Bottom | 3 | 1 | 20.2 | 8.32 | 29.54 | 108.5 | 8.26 | 6.3 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | IS10 | 13:18:00 | 9.6 | Bottom | 3 | 2 | 20.07 | 8.32 | 29.67 | 107.9 | 8.23 | 6.3 | 4 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | SR3 | 13:53:06 | 0.7 | Middle | 2 | 1 | 20.9 | 8.39 | 29.1 | 112.4 | 8.47 | 4.6 | 4.5 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | SR3 | 13:53:20 | 0.7 | Middle | 2 | 2 | 20.9 | 8.39 | 29.1 | 113 | 8.52 | 4.2 | 4 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | SR4 | 13:09:20 | 1.0 | Surface | 1 | 1 | 21.29 | 8.37 | 28.87 | 113 | 8.46 | 3.6 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | SR4 | 13:08:53 | 1.0 | Surface | 1 | 2 | 21.24 | 8.37 | 28.87 | 112.8 | 8.46 | 3.6 | 4.7 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | SR4 | 13:09:07 | 2.5 | Bottom | 3 | 1 | 21.08 | 8.38 | 28.87 | 112.8 | 8.48 | 4 | 3 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | SR4 | 13:08:41 | 2.5 | Bottom | 3 | 2 | 21.12 | 8.38 | 28.84 | 111.8 | 8.4 | 3.9 | 2.9 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | SR5 | 13:26:59 | 1.0 | Surface | 1 | 1 | 20.76 | 8.32 | 29.27 | 108.8 | 8.21 | 5.2 | 5.4 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | SR5 | 13:27:21 | 1.0 | Surface | 1 | 2 | 20.71 | 8.32 | 29.28 | 108.8 | 8.22 | 5.2 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | SR5 | 13:26:44 | 3.5 | Bottom | 3 | 1 | 20.43 | 8.32 | 29.25 | 107.5 | 8.16 | 5.2 | 4.7 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | SR5 | 13:27:10 | 3.5 | Bottom | 3 | 2 | 20.45 | 8.32 | 29.25 | 107.8 | 8.18 | 5.1 | 4 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | SR10A | 11:42:08 | 1.0 | Surface | 1 | 1 | 19.67 | 8.31 | 30.58 | 102.2 | 7.8 | 2.1 | 2.2 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | SR10A | 11:41:32 | 1.0 | Surface | 1 | 2 | 19.7 | 8.31 | 30.54 | 102.2 | 7.8 | 2 | 2.3 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | SR10A | 11:41:20 | 3.4 | Middle | 2 | 1 | 19.63 | 8.31 | 30.62 | 101.8 | 7.78 | 1.8 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | SR10A | 11:41:54 | 3.4 | Middle | 2 | 2 | 19.66 | 8.31 | 30.59 | 101.9 | 7.79 | 1.7 | 5.3 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | SR10A | 11:41:44 | 5.7 | Bottom | 3 | 1 | 19.67 | 8.31 | 30.58 | 101.9 | 7.79 | 2.2 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | SR10A | 11:41:03 | 5.7 | Bottom | 3 | 2 | 19.63 | 8.31 | 30.63 | 101.7 | 7.77 | 2.3 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | SR10B | 11:35:08 | 1.0 | Surface | 1 | 1 | 19.57 | 8.3 | 30.75 | 100.6 | 7.69 | 1.8 | 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | SR10B | 11:34:23 | 1.0 | Surface | 1 | 2 | 19.58 | 8.3 | 30.75 | 100.6 | 7.69 | 1.6 | 2.2 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | SR10B | 11:34:02 | 4.7 | Bottom | 3 | 1 | 19.57 | 8.3 | 30.76 | 100.4 | 7.68 | 2.1 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | SR10B | 11:34:43 | 4.7 | Bottom | 3 | 2 | 19.56 | 8.3 | 30.75 | 100.3 | 7.67 | 2 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | CS2 | 14:44:25 | 1.0 | Surface | 1 | 1 | 20.45 | 8.34 | 29.19 | 112.7 | 8.56 | 3.7 | 2.2 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | CS2 | 14:43:30 | 1.0 | Surface | 1 | 2 | 20.43 | 8.34 | 29.24 | 112.8 | 8.56 | 3.9 | 2.9 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | CS2 | 14:43:16 | 3.9 | Middle | 2 | 1 | 20.11 | 8.36 | 29.91 | 112.1 | 8.53 | 4.2 | 7 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | CS2 | 14:44:11 | 3.9 | Middle | 2 | 2 | 20.2 | 8.35 | 29.63 | 112.4 | 8.55 | 4.2 | 6.4 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | CS2 | 14:43:52 | 6.8 | Bottom | 3 | 1 | 19.99 | 8.36 | 30.11 | 111.2 | 8.47 | 5.4 | 8.2 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | CS2 | 14:42:54 | 6.8 | Bottom | 3 | 2 | 19.87 | 8.36 | 30.26 | 110.6 | 8.43 | 5.3 | 8.6 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | CS(Mf)5 | 12:21:34 | 1.0 | Surface | 1 | 1 | 20.44 | 8.35 | 29.62 | 107.3 | 8.13 | 2.5 | 3 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | CS(Mf)5 | 12:22:33 | 1.0 | Surface | 1 | 2 | 20.42 | 8.35 | 29.62 | 106.9 | 8.1 | 2.3 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | CS(Mf)5 | 12:21:09 | 6.6 | Middle | 2 | 1 | 19.98 | 8.33 | 29.86 | 103.9 | 7.93 | 3.8 | 2.8 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | CS(Mf)5 | 12:22:15 | 6.6 | Middle | 2 | 2 | 20.01 | 8.33 | 29.84 | 104.4 | 7.96 | 3.8 | 3 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | CS(Mf)5 | 12:21:53 | 12.2 | Bottom | 3 | 1 | 19.93 | 8.3 | 29.79 | 104.8 | 8 | 8.3 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Ebb | Sunny | CS(Mf)5 | 12:20:50 | 12.2 | Bottom | 3 | 2 | 19.89 | 8.33 | 29.95 | 103.9 | 7.93 | 8.9 | 5.2 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS5 | 17:20:23 | 1.0 | Surface | 1 | 1 | 21.29 | 8.38 | 28.95 | 110.7 | 8.29 | 5 | 5 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS5 | 17:18:05 | 1.0 | Surface | 1 | 2 | 21.31 | 8.38 | 28.95 | 111.3 | 8.33 | 4.5 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS5 | 17:20:04 | 4.8 | Middle | 2 | 1 | 21.3 | 8.38 | 28.95 | 109.6 | 8.2 | 5 | 6.6 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS5 | 17:17:46 | 4.8 | Middle | 2 | 2 | 21.29 | 8.38 | 28.96 | 110.6 | 8.28 | 4.6 | 5.9 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS5 | 17:19:47 | 8.6 | Bottom | 3 | 1 | 21.22 | 8.37 | 28.97 | 108 | 8.09 | 4.8 | 6.2 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS5 | 17:17:36 | 8.6 | Bottom | 3 | 2 | 21.28 | 8.38 | 28.96 | 110.8 | 8.29 | 4.3 | 5 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS(Mf)6 | 17:27:46 | 1.0 | Surface | 1 | 1 | 21.44 | 8.4 | 28.96 | 112.3 | 8.38 | 5.8 | 5.9 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS(Mf)6 | 17:28:07 | 1.0 | Surface | 1 | 2 | 21.44 | 8.4 | 28.96 | 112.5 | 8.4 | 5.7 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS(Mf)6 | 17:27:58 | 2.5 | Bottom | 3 | 1 | 21.44 | 8.4 | 28.97 | 112.5 | 8.39 | 6 | 5.2 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS(Mf)6 | 17:27:36 | 2.5 | Bottom | 3 | 2 | 21.45 | 8.4 | 28.96 | 112 | 8.36 | 5.6 | 5.5 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS7 | 17:35:20 | 1.0 | Surface | 1 | 1 | 21.37 | 8.4 | 28.94 | 112.7 | 8.42 | 7.1 | 7.4 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS7 | 17:34:53 | 1.0 | Surface | 1 | 2 | 21.38 | 8.4 | 28.95 | 112.1 | 8.38 | 6.9 | 7.4 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS7 | 17:35:04 | 2.6 | Bottom | 3 | 1 | 21.38 | 8.4 | 28.93 | 112.2 | 8.39 | 9 | 7.9 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS7 | 17:34:38 | 2.6 | Bottom | 3 | 2 | 21.38 | 8.4 | 28.95 | 111.9 | 8.36 | 8.6 | 7.2 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS8 | 18:00:32 | 1.0 | Surface | 1 | 1 | 20.94 | 8.39 | 28.86 | 112 | 8.44 | 6.9 | 8.7 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS8 | 18:00:53 | 1.0 | Surface | 1 | 2 | 20.95 | 8.39 | 28.86 | 112 | 8.44 | 7.7 | 8.6 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS8 | 18:00:21 | 2.7 | Bottom | 3 | 1 | 20.95 | 8.39 | 28.86 | 111.9 | 8.43 | 7.1 | 9.2 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS8 | 18:00:45 | 2.7 | Bottom | 3 | 2 | 20.95 | 8.39 | 28.86 | 111.8 | 8.43 | 7.7 | 10.4 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS(Mf)9 | 17:41:52 | 1.0 | Surface | 1 | 1 | 20.86 | 8.38 | 28.87 | 110.6 | 8.35 | 5.4 | 6 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS(Mf)9 | 17:42:12 | 1.0 | Surface | 1 | 2 | 20.86 | 8.39 | 28.87 | 110.7 | 8.36 | 5.7 | 6.6 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS(Mf)9 | 17:41:42 | 2.6 | Bottom | 3 | 1 | 20.84 | 8.38 | 28.87 | 110.4 | 8.34 | 5.8 | 6.1 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS(Mf)9 | 17:41:59 | 2.6 | Bottom | 3 | 2 | 20.86 | 8.39 | 28.87 | 110.6 | 8.35 | 5.5 | 5.2 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS10 | 18:51:21 | 1.0 | Surface | 1 | 1 | 20.5 | 8.36 | 29.53 | 109.8 | 8.31 | 6.4 | 9 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS10 | 18:51:56 | 1.0 | Surface | 1 | 2 | 20.55 | 8.36 | 29.54 | 109.8 | 8.3 | 6.5 | 8.9 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS10 | 18:51:11 | 5.2 | Middle | 2 | 1 | 20.44 | 8.36 | 29.58 | 109.5 | 8.3 | 8.1 | 9.7 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS10 | 18:51:46 | 5.2 | Middle | 2 | 2 | 20.43 | 8.36 | 29.57 | 109.3 | 8.28 | 8.5 | 9.7 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS10 | 18:51:01 | 9.3 | Bottom | 3 | 1 | 20.4 | 8.36 | 29.62 | 109.4 | 8.29 | 8.3 | 9.4 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | IS10 | 18:51:36 | 9.3 | Bottom | 3 | 2 | 20.41 | 8.36 | 29.62 | 108.8 | 8.25 | 8.5 | 10.8 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | SR3 | 17:04:16 | 0.9 | Middle | 2 | 1 | 21.39 | 8.39 | 28.97 | 110.6 | 8.26 | 6.5 | 7.3 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | SR3 | 17:04:33 | 0.9 | Middle | 2 | 2 | 21.39 | 8.39 | 28.96 | 111.2 | 8.31 | 6.8 | 6.8 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | SR4 | 17:50:49 | 1.0 | Surface | 1 | 1 | 20.94 | 8.39 | 28.86 | 111.7 | 8.42 | 6.4 | 11.1 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | SR4 | 17:51:13 | 1.0 | Surface | 1 | 2 | 20.94 | 8.39 | 28.86 | 111.8 | 8.43 | 6.5 | 12.2 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | SR4 | 17:51:01 | 2.5 | Bottom | 3 | 1 | 20.94 | 8.39 | 28.86 | 111.7 | 8.42 | 6.6 | 8.8 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | SR4 | 17:50:32 | 2.5 | Bottom | 3 | 2 | 20.94 | 8.39 | 28.86 | 111.6 | 8.41 | 6.8 | 8.7 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | SR5 | 18:41:57 | 1.0 | Surface | 1 | 1 | 20.46 | 8.36 | 29.56 | 110 | 8.33 | 3.9 | 6.8 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | SR5 | 18:42:46 | 1.0 | Surface | 1 | 2 | 20.46 | 8.36 | 29.55 | 110.3 | 8.36 | 3.8 | 7.1 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | SR5 | 18:42:20 | 3.3 | Bottom | 3 | 1 | 20.47 | 8.36 | 29.57 | 110 | 8.33 | 3.8 | 5.5 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | SR5 | 18:41:25 | 3.3 | Bottom | 3 | 2 | 20.46 | 8.35 | 29.57 | 109.9 | 8.32 | 3.8 | 5.5 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | SR10A | 19:17:25 | 1.0 | Surface | 1 | 1 | 19.71 | 8.33 | 30.62 | 101.1 | 7.72 | 1.4 | 2.6 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | SR10A | 19:16:42 | 1.0 | Surface | 1 | 2 | 19.7 | 8.33 | 30.62 | 101.1 | 7.72 | 1.4 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | SR10A | 19:16:26 | 3.5 | Middle | 2 | 1 | 19.66 | 8.33 | 30.7 | 100.7 | 7.69 | 1.7 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | SR10A | 19:17:10 | 3.5 | Middle | 2 | 2 | 19.66 | 8.33 | 30.69 | 100.7 | 7.69 | 1.6 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | SR10A | 19:16:17 | 5.9 | Bottom | 3 | 1 | 19.62 | 8.33 | 30.77 | 100.6 | 7.68 | 1.6 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | SR10A | 19:16:59 | 5.9 | Bottom | 3 | 2 | 19.62 | 8.33 | 30.78 | 100.6 | 7.68 | 1.6 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | SR10B | 19:26:06 | 1.0 | Surface | 1 | 1 | 19.42 | 8.32 | 31.09 | 100.3 | 7.68 | 1.7 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | SR10B | 19:25:33 | 1.0 | Surface | 1 | 2 | 19.35 | 8.31 | 31.15 | 100.3 | 7.68 | 1.9 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | SR10B | 19:24:36 | 4.5 | Bottom | 3 | 1 | 19.4 | 8.32 | 31.11 | 100.2 | 7.66 | 3.8 | 4.5 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | SR10B | 19:25:48 | 4.5 | Bottom | 3 | 2 | 19.41 | 8.32 | 31.11 | 100.3 | 7.68 | 3.5 | 3 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | CS2 | 17:08:23 | 1.0 | Surface | 1 | 1 | 20.67 | 8.39 | 29 | 110.1 | 8.33 | 6.1 | 5.8 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | CS2 | 17:07:17 | 1.0 | Surface | 1 | 2 | 20.64 | 8.41 | 29.08 | 108.9 | 8.25 | 5.9 | 5.2 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | CS2 | 17:07:00 | 3.7 | Middle | 2 | 1 | 20.39 | 8.41 | 29.72 | 106.7 | 8.08 | 5.6 | 5.6 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | CS2 | 17:07:51 | 3.7 | Middle | 2 | 2 | 20.4 | 8.4 | 29.69 | 108.1 | 8.19 | 5.5 | 5.6 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | CS2 | 17:07:39 | 6.4 | Bottom | 3 | 1 | 20.31 | 8.4 | 29.81 | 107.8 | 8.18 | 6.5 | 5.3 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | CS2 | 17:06:42 | 6.4 | Bottom | 3 | 2 | 20.35 | 8.41 | 29.78 | 104.3 | 7.9 | 6.4 | 5.7 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | CS(Mf)5 | 18:39:57 | 1.0 | Surface | 1 | 1 | 20.3 | 8.36 | 29.6 | 106.3 | 8.07 | 1.5 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | CS(Mf)5 | 18:40:50 | 1.0 | Surface | 1 | 2 | 20.31 | 8.37 | 29.59 | 106.8 | 8.11 | 1.5 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | CS(Mf)5 | 18:40:30 | 6.8 | Middle | 2 | 1 | 19.94 | 8.33 | 30.16 | 103.4 | 7.88 | 4.3 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | CS(Mf)5 | 18:39:39 | 6.8 | Middle | 2 | 2 | 19.96 | 8.34 | 30.12 | 103.2 | 7.86 | 4.2 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | CS(Mf)5 | 18:39:22 | 12.6 | Bottom | 3 | 1 | 19.92 | 8.33 | 30.19 | 103.1 | 7.86 | 4.4 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-11 | Mid-Flood | Sunny | CS(Mf)5 | 18:40:15 | 12.6 | Bottom | 3 | 2 | 19.94 | 8.34 | 30.16 | 104.5 | 7.96 | 4.6 | 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS5 | 14:50:33 | 1.0 | Surface | 1 | 1 | 21.07 | 8.36 | 29.41 | 102.6 | 7.69 | 2.8 | 2.9 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS5 | 14:51:11 | 1.0 | Surface | 1 | 2 | 21.05 | 8.36 | 29.4 | 102.6 | 7.69 | 2.8 | 2.6 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS5 | 14:50:59 | 4.1 | Middle | 2 | 1 | 20.89 | 8.36 | 29.41 | 101.9 | 7.66 | 2.8 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS5 | 14:50:20 | 4.1 | Middle | 2 | 2 | 20.93 | 8.36 | 29.4 | 102 | 7.66 | 2.8 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS5 | 14:50:09 | 7.2 | Bottom | 3 | 1 | 20.85 | 8.36 | 29.38 | 101.7 | 7.66 | 2.8 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS5 | 14:50:43 | 7.2 | Bottom | 3 | 2 | 20.9 | 8.36 | 29.37 | 101.9 | 7.66 | 3 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS(Mf)6 | 14:42:10 | 1.0 | Surface | 1 | 1 | 21.13 | 8.36 | 29.36 | 100.4 | 7.52 | 5.5 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS(Mf)6 | 14:41:52 | 1.0 | Surface | 1 | 2 | 21.14 | 8.36 | 29.37 | 100.4 | 7.52 | 5.5 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS(Mf)6 | 14:41:40 | 2.1 | Bottom | 3 | 1 | 21.07 | 8.36 | 29.42 | 100.3 | 7.52 | 5.7 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS(Mf)6 | 14:41:58 | 2.1 | Bottom | 3 | 2 | 21.09 | 8.36 | 29.38 | 100.5 | 7.53 | 5.8 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS7 | 14:35:08 | 1.0 | Surface | 1 | 1 | 21.06 | 8.38 | 29.19 | 104.6 | 7.85 | 4.5 | 1.9 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS7 | 14:35:32 | 1.0 | Surface | 1 | 2 | 21.05 | 8.38 | 29.2 | 105 | 7.88 | 4.5 | 1.9 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS7 | 14:35:19 | 2.4 | Bottom | 3 | 1 | 21.08 | 8.38 | 29.3 | 104.9 | 7.87 | 5.2 | 1.2 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS7 | 14:34:57 | 2.4 | Bottom | 3 | 2 | 21.07 | 8.38 | 29.43 | 104.4 | 7.82 | 5.1 | 1.1 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS8 | 14:13:45 | 1.0 | Surface | 1 | 1 | 21.18 | 8.37 | 29.13 | 103.8 | 7.78 | 2.1 | 4.1 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS8 | 14:13:28 | 1.0 | Surface | 1 | 2 | 21.12 | 8.37 | 29.21 | 103.7 | 7.77 | 2.2 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS8 | 14:13:34 | 2.9 | Bottom | 3 | 1 | 21.11 | 8.37 | 29.33 | 103.6 | 7.76 | 2.2 | 4.7 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS8 | 14:13:20 | 2.9 | Bottom | 3 | 2 | 21.1 | 8.37 | 29.34 | 103.5 | 7.76 | 2.2 | 4 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS(Mf)9 | 14:29:05 | 1.0 | Surface | 1 | 1 | 21.12 | 8.36 | 29.06 | 103 | 7.73 | 4.5 | 5 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS(Mf)9 | 14:28:37 | 1.0 | Surface | 1 | 2 | 21.1 | 8.36 | 29.07 | 102.8 | 7.72 | 4.5 | 5.6 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS(Mf)9 | 14:28:55 | 2.7 | Bottom | 3 | 1 | 20.93 | 8.37 | 29.11 | 102.6 | 7.72 | 4.5 | 4.5 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS(Mf)9 | 14:28:25 | 2.7 | Bottom | 3 | 2 | 20.98 | 8.36 | 29.09 | 102.1 | 7.68 | 4.6 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS10 | 14:27:42 | 1.0 | Surface | 1 | 1 | 21.1 | 8.25 | 28.4 | 101 | 7.61 | 4.9 | 4 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS10 | 14:27:12 | 1.0 | Surface | 1 | 2 | 21.17 | 8.25 | 28.39 | 101.3 | 7.62 | 5 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS10 | 14:27:34 | 5.6 | Middle | 2 | 1 | 20.95 | 8.25 | 28.72 | 100.6 | 7.59 | 5.6 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS10 | 14:27:03 | 5.6 | Middle | 2 | 2 | 20.9 | 8.26 | 28.94 | 100.5 | 7.58 | 5.1 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS10 | 14:27:25 | 10.1 | Bottom | 3 | 1 | 20.94 | 8.25 | 28.99 | 100.4 | 7.56 | 5.9 | 4.5 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | IS10 | 14:26:50 | 10.1 | Bottom | 3 | 2 | 20.9 | 8.25 | 29.12 | 100.2 | 7.55 | 5.6 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | SR3 | 14:59:38 | 0.6 | Middle | 2 | 1 | 21.11 | 8.37 | 29.39 | 103.1 | 7.72 | 2.8 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | SR3 | 14:59:25 | 0.6 | Middle | 2 | 2 | 21.08 | 8.37 | 29.39 | 103.1 | 7.72 | 2.9 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | SR4 | 14:18:56 | 1.0 | Surface | 1 | 1 | 21.94 | 8.36 | 29.41 | 103.4 | 7.63 | 1.8 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | SR4 | 14:18:36 | 1.0 | Surface | 1 | 2 | 21.95 | 8.36 | 29.41 | 103.3 | 7.62 | 1.8 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | SR4 | 14:18:43 | 2.7 | Bottom | 3 | 1 | 21.8 | 8.36 | 29.4 | 102.8 | 7.61 | 2.1 | 2.6 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | SR4 | 14:18:25 | 2.7 | Bottom | 3 | 2 | 21.64 | 8.36 | 29.43 | 102.3 | 7.59 | 2 | 2.9 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | SR5 | 14:31:27 | 1.0 | Surface | 1 | 1 | 21.13 | 8.24 | 28.36 | 101 | 7.61 | 3.7 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | SR5 | 14:31:50 | 1.0 | Surface | 1 | 2 | 21.19 | 8.24 | 28.31 | 101 | 7.6 | 3.4 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | SR5 | 14:31:11 | 4.0 | Bottom | 3 | 1 | 20.92 | 8.25 | 29.01 | 100.3 | 7.56 | 3.8 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | SR5 | 14:31:39 | 4.0 | Bottom | 3 | 2 | 21.02 | 8.25 | 28.53 | 100.5 | 7.58 | 3.7 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | SR10A | 13:00:40 | 1.0 | Surface | 1 | 1 | 20 | 8.32 | 30.38 | 98.6 | 7.49 | 1.5 | 1.1 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | SR10A | 12:59:59 | 1.0 | Surface | 1 | 2 | 20.02 | 8.32 | 30.37 | 98.7 | 7.5 | 1.5 | 1.9 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | SR10A | 12:59:40 | 3.2 | Middle | 2 | 1 | 20.02 | 8.31 | 30.37 | 98.4 | 7.48 | 1.5 | 1.8 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | SR10A | 13:00:25 | 3.2 | Middle | 2 | 2 | 20.01 | 8.32 | 30.37 | 98.5 | 7.48 | 1.6 | 1.3 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | SR10A | 13:00:14 | 5.4 | Bottom | 3 | 1 | 20 | 8.32 | 30.38 | 98.3 | 7.47 | 1.6 | 2.4 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | SR10A | 12:59:29 | 5.4 | Bottom | 3 | 2 | 20.02 | 8.31 | 30.37 | 98.3 | 7.47 | 1.6 | 2.6 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | SR10B | 12:53:50 | 1.0 | Surface | 1 | 1 | 20.01 | 8.3 | 30.55 | 98.1 | 7.44 | 1.6 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | SR10B | 12:54:06 | 1.0 | Surface | 1 | 2 | 20.01 | 8.3 | 30.57 | 98.2 | 7.46 | 1.6 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | SR10B | 12:53:57 | 3.9 | Bottom | 3 | 1 | 20.01 | 8.3 | 30.58 | 98 | 7.44 | 1.6 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | SR10B | 12:53:41 | 3.9 | Bottom | 3 | 2 | 20.01 | 8.3 | 30.58 | 97.8 | 7.42 | 1.6 | 5 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | CS2 | 15:51:13 | 1.0 | Surface | 1 | 1 | 20.97 | 8.22 | 28.17 | 99.4 | 7.51 | 6.1 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | CS2 | 15:51:54 | 1.0 | Surface | 1 | 2 | 20.83 | 8.24 | 28.46 | 99.4 | 7.52 | 6.6 | 4.1 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | CS2 | 15:51:47 | 4.1 | Middle | 2 | 1 | 20.73 | 8.25 | 29.04 | 99.2 | 7.49 | 6.8 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | CS2 | 15:50:54 | 4.1 | Middle | 2 | 2 | 20.74 | 8.25 | 28.96 | 98.8 | 7.47 | 6.9 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | CS2 | 15:51:32 | 7.1 | Bottom | 3 | 1 | 20.69 | 8.26 | 29.26 | 98.2 | 7.42 | 7.1 | 7.1 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | CS2 | 15:50:27 | 7.1 | Bottom | 3 | 2 | 20.64 | 8.26 | 29.39 | 98.4 | 7.44 | 6.9 | 6 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | CS(Mf)5 | 13:38:07 | 1.0 | Surface | 1 | 1 | 20.58 | 8.36 | 29.4 | 101.2 | 7.65 | 1.5 | 3 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | CS(Mf)5 | 13:38:49 | 1.0 | Surface | 1 | 2 | 20.58 | 8.36 | 29.41 | 101.1 | 7.65 | 1.5 | 2.5 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | CS(Mf)5 | 13:38:38 | 6.2 | Middle | 2 | 1 | 20.14 | 8.35 | 29.89 | 99.2 | 7.54 | 1.5 | 2.6 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | CS(Mf)5 | 13:37:53 | 6.2 | Middle | 2 | 2 | 20.15 | 8.35 | 29.87 | 98.9 | 7.52 | 1.5 | 2.1 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | CS(Mf)5 | 13:38:27 | 11.3 | Bottom | 3 | 1 | 20.01 | 8.34 | 30.16 | 99.7 | 7.59 | 1.6 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Ebb | Sunny | CS(Mf)5 | 13:37:42 | 11.3 | Bottom | 3 | 2 | 20.02 | 8.34 | 30.14 | 99.1 | 7.54 | 1.5 | 2.6 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS5 | 19:01:38 | 1.0 | Surface | 1 | 1 | 21.31 | 8.38 | 29.28 | 102.6 | 7.66 | 3.9 | 3 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS5 | 19:02:07 | 1.0 | Surface | 1 | 2 | 21.31 | 8.38 | 29.28 | 102.7 | 7.67 | 3.7 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS5 | 19:01:31 | 4.4 | Middle | 2 | 1 | 21.3 | 8.38 | 29.29 | 102.3 | 7.64 | 4 | 4.5 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS5 | 19:01:58 | 4.4 | Middle | 2 | 2 | 21.28 | 8.38 | 29.29 | 102.3 | 7.64 | 3.7 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS5 | 19:01:48 | 7.7 | Bottom | 3 | 1 | 21.28 | 8.38 | 29.29 | 102.4 | 7.65 | 4.1 | 5.4 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS5 | 19:01:21 | 7.7 | Bottom | 3 | 2 | 21.29 | 8.38 | 29.29 | 102.3 | 7.65 | 4.2 | 5.7 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS(Mf)6 | 19:09:30 | 1.0 | Surface | 1 | 1 | 21.31 | 8.38 | 29.2 | 102.5 | 7.66 | 8.7 | 10.8 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS(Mf)6 | 19:10:03 | 1.0 | Surface | 1 | 2 | 21.31 | 8.38 | 29.2 | 102.7 | 7.67 | 8.6 | 10.9 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS(Mf)6 | 19:09:20 | 2.0 | Bottom | 3 | 1 | 21.32 | 8.37 | 29.2 | 102.5 | 7.65 | 9.8 | 10.5 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS(Mf)6 | 19:09:50 | 2.0 | Bottom | 3 | 2 | 21.32 | 8.37 | 29.21 | 102.6 | 7.66 | 9.5 | 11.9 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS7 | 19:18:28 | 1.0 | Surface | 1 | 1 | 21.12 | 8.38 | 29.18 | 102.8 | 7.71 | 7.6 | 7.5 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS7 | 19:18:07 | 1.0 | Surface | 1 | 2 | 21.13 | 8.38 | 29.17 | 102.8 | 7.71 | 7.5 | 6.9 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS7 | 19:17:55 | 2.2 | Bottom | 3 | 1 | 21.12 | 8.38 | 29.22 | 102.6 | 7.69 | 9.1 | 7.5 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS7 | 19:18:16 | 2.2 | Bottom | 3 | 2 | 21.12 | 8.38 | 29.23 | 102.7 | 7.7 | 9.3 | 7.2 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS8 | 19:43:29 | 1.0 | Surface | 1 | 1 | 21.16 | 8.36 | 28.43 | 101.3 | 7.62 | 7.2 | 5.3 | |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS8 | 19:43:49 | 1.0 | Surface | 1 | 2 | 21.17 | 8.36 | 28.52 | 101.2 | 7.62 | 7.2 | 6.5 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS8 | 19:43:17 | 2.7 | Bottom | 3 | 1 | 21.21 | 8.37 | 29.02 | 101.3 | 7.6 | 7.5 | 6.2 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS8 | 19:43:38 | 2.7 | Bottom | 3 | 2 | 21.2 | 8.36 | 29.02 | 101.2 | 7.59 | 7.4 | 7.4 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS(Mf)9 | 19:25:29 | 1.0 | Surface | 1 | 1 | 20.98 | 8.36 | 28.89 | 98.6 | 7.42 | 10.1 | 12.8 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS(Mf)9 | 19:25:08 | 1.0 | Surface | 1 | 2 | 20.96 | 8.36 | 28.92 | 98.6 | 7.42 | 10.3 | 12.4 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS(Mf)9 | 19:24:54 | 2.3 | Bottom | 3 | 1 | 20.97 | 8.36 | 29.22 | 98.5 | 7.41 | 10.5 | 11.8 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS(Mf)9 | 19:25:20 | 2.3 | Bottom | 3 | 2 | 20.97 | 8.36 | 29.2 | 98.6 | 7.41 | 10.7 | 11.7 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS10 | 19:39:36 | 1.0 | Surface | 1 | 1 | 20.93 | 8.25 | 28.37 | 97.4 | 7.36 | 3.3 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS10 | 19:40:14 | 1.0 | Surface | 1 | 2 | 20.94 | 8.25 | 28.35 | 97.4 | 7.36 | 3 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS10 | 19:40:06 | 5.6 | Middle | 2 | 1 | 20.93 | 8.25 | 28.38 | 97.3 | 7.36 | 3.1 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS10 | 19:39:29 | 5.6 | Middle | 2 | 2 | 20.92 | 8.25 | 28.41 | 97.3 | 7.35 | 3.4 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS10 | 19:39:55 | 10.2 | Bottom | 3 | 1 | 20.92 | 8.25 | 28.43 | 97.2 | 7.35 | 3.5 | 5 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | IS10 | 19:39:20 | 10.2 | Bottom | 3 | 2 | 20.91 | 8.25 | 28.45 | 97.2 | 7.35 | 3.7 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | SR3 | 18:48:06 | 0.6 | Middle | 2 | 1 | 21.27 | 8.39 | 29.4 | 101.9 | 7.61 | 3.5 | 5.8 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | SR3 | 18:47:56 | 0.6 | Middle | 2 | 2 | 21.27 | 8.39 | 29.42 | 101.8 | 7.6 | 3.3 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | SR4 | 19:33:49 | 1.0 | Surface | 1 | 1 | 21.19 | 8.37 | 28.9 | 101.9 | 7.65 | 3.7 | 6.1 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | SR4 | 19:34:06 | 1.0 | Surface | 1 | 2 | 21.19 | 8.37 | 28.94 | 101.9 | 7.64 | 3.8 | 6.1 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | SR4 | 19:33:55 | 2.9 | Bottom | 3 | 1 | 21.2 | 8.37 | 29.12 | 101.8 | 7.62 | 4.2 | 6 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | SR4 | 19:33:35 | 2.9 | Bottom | 3 | 2 | 21.22 | 8.38 | 29.2 | 101.9 | 7.63 | 4.1 | 5.8 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | SR5 | 19:33:50 | 1.0 | Surface | 1 | 1 | 20.94 | 8.25 | 28.38 | 97.5 | 7.37 | 3 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | SR5 | 19:33:26 | 1.0 | Surface | 1 | 2 | 20.93 | 8.25 | 28.39 | 97.5 | 7.37 | 3.2 | 2.1 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | SR5 | 19:33:39 | 4.1 | Bottom | 3 | 1 | 20.94 | 8.25 | 28.39 | 97.3 | 7.36 | 3.1 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | SR5 | 19:33:17 | 4.1 | Bottom | 3 | 2 | 20.93 | 8.25 | 28.4 | 97.5 | 7.37 | 3.5 | 2.8 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | SR10A | 20:56:34 | 1.0 | Surface | 1 | 1 | 20.18 | 8.36 | 30.12 | 97.7 | 7.42 | 1.4 | 2.4 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | SR10A | 20:56:02 | 1.0 | Surface | 1 | 2 | 20.19 | 8.36 | 30.11 | 97.8 | 7.42 | 1.4 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | SR10A | 20:55:50 | 3.2 | Middle | 2 | 1 | 20.17 | 8.35 | 30.14 | 97.6 | 7.41 | 1.5 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | SR10A | 20:56:25 | 3.2 | Middle | 2 | 2 | 20.17 | 8.35 | 30.13 | 97.7 | 7.41 | 1.4 | 2.4 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | SR10A | 20:56:15 | 5.4 | Bottom | 3 | 1 | 20.17 | 8.35 | 30.13 | 97.5 | 7.4 | 1.5 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | SR10A | 20:55:39 | 5.4 | Bottom | 3 | 2 | 20.16 | 8.35 | 30.15 | 97.5 | 7.4 | 1.5 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | SR10B | 21:07:25 | 1.0 | Surface | 1 | 1 | 20.15 | 8.35 | 30.17 | 97.6 | 7.41 | 1.8 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | SR10B | 21:06:58 | 1.0 | Surface | 1 | 2 | 20.13 | 8.35 | 30.2 | 97.5 | 7.4 | 1.8 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | SR10B | 21:07:12 | 4.2 | Bottom | 3 | 1 | 20.12 | 8.35 | 30.24 | 97.3 | 7.39 | 2.1 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | SR10B | 21:06:46 | 4.2 | Bottom | 3 | 2 | 20.11 | 8.35 | 30.25 | 97.3 | 7.39 | 2.1 | 2.5 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | CS2 | 18:29:43 | 1.0 | Surface | 1 | 1 | 21.18 | 8.27 | 27.62 | 98.2 | 7.42 | 2.4 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | CS2 | 18:30:30 | 1.0 | Surface | 1 | 2 | 21.22 | 8.27 | 27.52 | 98.5 | 7.45 | 2.6 | 2.6 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | CS2 | 18:29:35 | 4.1 | Middle | 2 | 1 | 21.12 | 8.27 | 27.78 | 97.6 | 7.38 | 2.5 | 2.5 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | CS2 | 18:30:17 | 4.1 | Middle | 2 | 2 | 21.08 | 8.27 | 27.89 | 98 | 7.4 | 2.6 | 2.4 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | CS2 | 18:30:06 | 7.1 | Bottom | 3 | 1 | 21.05 | 8.27 | 28.17 | 97.8 | 7.39 | 2.6 | 2.3 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | CS2 | 18:29:18 | 7.1 | Bottom | 3 | 2 | 21 | 8.27 | 28.23 | 97.4 | 7.36 | 2.5 | 2.3 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | CS(Mf)5 | 20:20:41 | 1.0 | Surface | 1 | 1 | 20.9 | 8.36 | 28.69 | 100.6 | 7.6 | 4.3 | 2.5 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | CS(Mf)5 | 20:20:01 | 1.0 | Surface | 1 | 2 | 20.86 | 8.36 | 28.75 | 100.4 | 7.59 | 4.2 | 2.2 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | CS(Mf)5 | 20:19:49 | 6.4 | Middle | 2 | 1 | 20.47 | 8.36 | 29.57 | 99 | 7.5 | 7.1 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | CS(Mf)5 | 20:20:27 | 6.4 | Middle | 2 | 2 | 20.53 | 8.36 | 29.48 | 99.2 | 7.5 | 7.2 | 2.3 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | CS(Mf)5 | 20:19:36 | 11.7 | Bottom | 3 | 1 | 20.46 | 8.36 | 29.64 | 99 | 7.5 | 7.1 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-13 | Mid-Flood | Fine | CS(Mf)5 | 20:20:15 | 11.7 | Bottom | 3 | 2 | 20.48 | 8.36 | 29.6 | 99.2 | 7.51 | 7.1 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS5 | 13:54:57 | 1.0 | Surface | 1 | 1 | 20.52 | 8.35 | 29.63 | 97.9 | 7.4 | 3.7 | 4.7 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS5 | 13:54:17 | 1.0 | Surface | 1 | 2 | 20.48 | 8.35 | 29.7 | 97.8 | 7.4 | 4.2 | 4 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS5 | 13:54:45 | 4.6 | Middle | 2 | 1 | 20.27 | 8.36 | 30 | 97.6 | 7.4 | 4.1 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS5 | 13:54:01 | 4.6 | Middle | 2 | 2 | 20.15 | 8.37 | 30.14 | 97.5 | 7.4 | 4.1 | 4.7 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS5 | 13:53:53 | 8.2 | Bottom | 3 | 1 | 19.98 | 8.37 | 30.44 | 96.6 | 7.34 | 4.2 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS5 | 13:54:32 | 8.2 | Bottom | 3 | 2 | 20.06 | 8.37 | 30.34 | 96.8 | 7.35 | 4.4 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS(Mf)6 | 14:01:13 | 1.0 | Surface | 1 | 1 | 20.75 | 8.3 | 28.87 | 93.6 | 7.08 | 5.8 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS(Mf)6 | 14:01:37 | 1.0 | Surface | 1 | 2 | 20.76 | 8.3 | 28.84 | 93.4 | 7.07 | 5.8 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS(Mf)6 | 14:01:23 | 2.3 | Bottom | 3 | 1 | 20.55 | 8.31 | 29.2 | 93 | 7.05 | 5.8 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS(Mf)6 | 14:01:02 | 2.3 | Bottom | 3 | 2 | 20.64 | 8.31 | 29.02 | 93.5 | 7.08 | 5.6 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS7 | 14:08:25 | 1.0 | Surface | 1 | 1 | 21.08 | 8.31 | 28.76 | 96.3 | 7.25 | 2.9 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS7 | 14:08:45 | 1.0 | Surface | 1 | 2 | 21.1 | 8.31 | 28.76 | 96.2 | 7.23 | 2.9 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS7 | 14:08:34 | 2.4 | Bottom | 3 | 1 | 21.06 | 8.31 | 28.75 | 96.1 | 7.23 | 2.9 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS7 | 14:08:18 | 2.4 | Bottom | 3 | 2 | 21.09 | 8.31 | 28.75 | 96.2 | 7.24 | 2.9 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS8 | 14:29:54 | 1.0 | Surface | 1 | 1 | 20.89 | 8.31 | 28.84 | 94.1 | 7.11 | 3.6 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS8 | 14:30:08 | 1.0 | Surface | 1 | 2 | 20.87 | 8.31 | 28.85 | 93.7 | 7.08 | 3.5 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS8 | 14:29:45 | 2.4 | Bottom | 3 | 1 | 20.86 | 8.31 | 28.84 | 93.9 | 7.09 | 3.6 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS8 | 14:30:00 | 2.4 | Bottom | 3 | 2 | 20.89 | 8.31 | 28.83 | 93.8 | 7.08 | 3.5 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS(Mf)9 | 14:15:26 | 1.0 | Surface | 1 | 1 | 20.96 | 8.31 | 28.74 | 94.6 | 7.14 | 3.6 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS(Mf)9 | 14:15:06 | 1.0 | Surface | 1 | 2 | 20.98 | 8.31 | 28.73 | 94.8 | 7.14 | 3.6 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS(Mf)9 | 14:15:12 | 2.3 | Bottom | 3 | 1 | 20.9 | 8.32 | 28.74 | 94.4 | 7.13 | 3.7 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS(Mf)9 | 14:14:52 | 2.3 | Bottom | 3 | 2 | 20.81 | 8.32 | 28.76 | 94.5 | 7.14 | 3.8 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS10 | 15:21:05 | 1.0 | Surface | 1 | 1 | 20.74 | 8.27 | 29.83 | 96.2 | 7.23 | 4.9 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS10 | 15:20:20 | 1.0 | Surface | 1 | 2 | 20.83 | 8.27 | 29.8 | 96.6 | 7.26 | 5.1 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS10 | 15:20:06 | 5.3 | Middle | 2 | 1 | 20.26 | 8.28 | 30.23 | 95.5 | 7.23 | 6.9 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS10 | 15:20:52 | 5.3 | Middle | 2 | 2 | 20.37 | 8.28 | 29.99 | 95.3 | 7.21 | 6.6 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS10 | 15:20:37 | 9.5 | Bottom | 3 | 1 | 20.23 | 8.29 | 30.56 | 94.9 | 7.17 | 7.4 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | IS10 | 15:19:57 | 9.5 | Bottom | 3 | 2 | 20.13 | 8.29 | 30.65 | 94.7 | 7.17 | 7.7 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | SR3 | 13:47:24 | 0.7 | Middle | 2 | 1 | 20.76 | 8.35 | 29.31 | 95.4 | 7.2 | 3.1 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | SR3 | 13:47:28 | 0.7 | Middle | 2 | 2 | 20.74 | 8.35 | 29.3 | 95.4 | 7.2 | 3.2 | 4 | |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | SR4 | 14:25:04 | 1.0 | Surface | 1 | 1 | 20.77 | 8.3 | 28.83 | 91.9 | 6.96 | 3.4 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | SR4 | 14:25:20 | 1.0 | Surface | 1 | 2 | 20.8 | 8.3 | 28.85 | 91.6 | 6.92 | 3.3 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | SR4 | 14:25:13 | 2.3 | Bottom | 3 | 1 | 20.76 | 8.3 | 28.82 | 91.6 | 6.93 | 3.3 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | SR4 | 14:24:53 | 2.3 | Bottom | 3 | 2 | 20.68 | 8.3 | 28.84 | 91.8 | 6.94 | 3.6 | 4 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | SR5 | 15:09:19 | 1.0 | Surface | 1 | 1 | 20.72 | 8.26 | 29.84 | 96.4 | 7.25 | 4.4 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | SR5 | 15:08:46 | 1.0 | Surface | 1 | 2 | 20.75 | 8.26 | 29.82 | 96.5 | 7.26 | 4.4 | 5.2 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | SR5 | 15:08:32 | 3.5 | Bottom | 3 | 1 | 20.57 | 8.26 | 29.91 | 96 | 7.24 | 4.3 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | SR5 | 15:09:03 | 3.5 | Bottom | 3 | 2 | 20.6 | 8.26 | 29.89 | 95.9 | 7.23 | 4.4 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | SR10A | 15:23:40 | 1.0 | Surface | 1 | 1 | 20.43 | 8.34 | 30.16 | 95.7 | 7.22 | 1.1 | 2.3 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | SR10A | 15:24:04 | 1.0 | Surface | 1 | 2 | 20.43 | 8.34 | 30.16 | 95.5 | 7.21 | 1.1 | 2.4 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | SR10A | 15:23:54 | 3.3 | Middle | 2 | 1 | 20.31 | 8.34 | 30.31 | 95.4 | 7.21 | 1.2 | 2.1 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | SR10A | 15:23:32 | 3.3 | Middle | 2 | 2 | 20.4 | 8.34 | 30.2 | 95.7 | 7.23 | 1.2 | 2.9 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | SR10A | 15:23:25 | 5.5 | Bottom | 3 | 1 | 20.42 | 8.34 | 30.19 | 95.5 | 7.21 | 1.2 | 2.3 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | SR10A | 15:23:46 | 5.5 | Bottom | 3 | 2 | 20.42 | 8.34 | 30.18 | 95.1 | 7.19 | 1.1 | 2.2 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | SR10B | 15:28:08 | 1.0 | Surface | 1 | 1 | 20.1 | 8.34 | 30.53 | 94.5 | 7.16 | 1.4 | 2.2 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | SR10B | 15:28:24 | 1.0 | Surface | 1 | 2 | 20.11 | 8.34 | 30.53 | 94.2 | 7.14 | 1.4 | 2.1 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | SR10B | 15:28:03 | 4.1 | Bottom | 3 | 1 | 20.1 | 8.34 | 30.53 | 94.4 | 7.15 | 1.4 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | SR10B | 15:28:14 | 4.1 | Bottom | 3 | 2 | 20.11 | 8.34 | 30.53 | 94.2 | 7.14 | 1.3 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | CS2 | 13:41:49 | 1.0 | Surface | 1 | 1 | 20.56 | 8.33 | 30.03 | 98.8 | 7.45 | 5.2 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | CS2 | 13:42:43 | 1.0 | Surface | 1 | 2 | 20.61 | 8.32 | 29.98 | 98.2 | 7.4 | 5.3 | 3 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | CS2 | 13:41:36 | 3.8 | Middle | 2 | 1 | 20.25 | 8.35 | 30.6 | 98.4 | 7.43 | 7.5 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | CS2 | 13:42:26 | 3.8 | Middle | 2 | 2 | 20.19 | 8.35 | 30.77 | 97.8 | 7.39 | 7.7 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | CS2 | 13:42:02 | 6.5 | Bottom | 3 | 1 | 19.87 | 8.36 | 31.83 | 97.1 | 7.33 | 7.5 | 6.8 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | CS2 | 13:41:04 | 6.5 | Bottom | 3 | 2 | 19.82 | 8.37 | 31.78 | 96.9 | 7.33 | 7.4 | 5.2 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | CS(Mf)5 | 14:59:57 | 1.0 | Surface | 1 | 1 | 20.8 | 8.33 | 29.39 | 94.1 | 7.09 | 3.6 | 6.8 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | CS(Mf)5 | 15:00:36 | 1.0 | Surface | 1 | 2 | 20.69 | 8.33 | 29.48 | 93.8 | 7.08 | 3.9 | 6.4 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | CS(Mf)5 | 14:59:42 | 6.6 | Middle | 2 | 1 | 20.09 | 8.33 | 30.08 | 92.5 | 7.03 | 3.7 | 6.6 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | CS(Mf)5 | 15:00:26 | 6.6 | Middle | 2 | 2 | 20.22 | 8.33 | 29.96 | 92.8 | 7.04 | 3.9 | 6.5 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | CS(Mf)5 | 14:59:26 | 12.1 | Bottom | 3 | 1 | 20.11 | 8.33 | 30.12 | 91.8 | 6.98 | 3.9 | 5 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Ebb | Sunny | CS(Mf)5 | 15:00:09 | 12.1 | Bottom | 3 | 2 | 20.26 | 8.33 | 29.98 | 92.4 | 7.02 | 3.9 | 6 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS5 | 08:50:42 | 1.0 | Surface | 1 | 1 | 20.37 | 8.3 | 28.86 | 91.8 | 6.99 | 3.6 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS5 | 08:50:13 | 1.0 | Surface | 1 | 2 | 20.38 | 8.3 | 28.88 | 91.8 | 6.99 | 3.7 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS5 | 08:49:59 | 4.6 | Middle | 2 | 1 | 20.37 | 8.3 | 28.9 | 91.5 | 6.97 | 3.6 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS5 | 08:50:33 | 4.6 | Middle | 2 | 2 | 20.36 | 8.3 | 28.92 | 91.5 | 6.97 | 3.6 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS5 | 08:50:28 | 8.1 | Bottom | 3 | 1 | 20.36 | 8.3 | 28.94 | 91.3 | 6.96 | 3.6 | 4.1 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS5 | 08:49:48 | 8.1 | Bottom | 3 | 2 | 20.36 | 8.3 | 28.95 | 91.3 | 6.95 | 3.7 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS(Mf)6 | 08:41:26 | 1.0 | Surface | 1 | 1 | 20.4 | 8.3 | 28.83 | 93.2 | 7.1 | 3.9 | 5.2 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS(Mf)6 | 08:41:06 | 1.0 | Surface | 1 | 2 | 20.4 | 8.3 | 28.84 | 93.8 | 7.14 | 3.9 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS(Mf)6 | 08:41:15 | 2.3 | Bottom | 3 | 1 | 20.4 | 8.3 | 28.84 | 93.1 | 7.09 | 3.8 | 4 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS(Mf)6 | 08:40:57 | 2.3 | Bottom | 3 | 2 | 20.4 | 8.3 | 28.84 | 93.5 | 7.12 | 3.9 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS7 | 08:34:53 | 1.0 | Surface | 1 | 1 | 20.45 | 8.31 | 28.83 | 93.1 | 7.08 | 4.3 | 6.6 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS7 | 08:34:37 | 1.0 | Surface | 1 | 2 | 20.45 | 8.31 | 28.83 | 93.3 | 7.1 | 4.1 | 7.2 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS7 | 08:34:45 | 2.3 | Bottom | 3 | 1 | 20.45 | 8.31 | 28.83 | 93 | 7.08 | 4.4 | 5 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS7 | 08:34:28 | 2.3 | Bottom | 3 | 2 | 20.45 | 8.31 | 28.83 | 93.2 | 7.09 | 4.2 | 4 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS8 | 08:11:50 | 1.0 | Surface | 1 | 1 | 20.38 | 8.32 | 28.95 | 93.9 | 7.15 | 5.1 | 6.8 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS8 | 08:12:12 | 1.0 | Surface | 1 | 2 | 20.38 | 8.32 | 28.95 | 93.4 | 7.11 | 5.1 | 6.9 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS8 | 08:11:41 | 2.7 | Bottom | 3 | 1 | 20.38 | 8.32 | 28.95 | 93.6 | 7.13 | 5.1 | 5.4 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS8 | 08:11:56 | 2.7 | Bottom | 3 | 2 | 20.38 | 8.32 | 28.95 | 93.2 | 7.09 | 5.2 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS(Mf)9 | 08:28:06 | 1.0 | Surface | 1 | 1 | 20.29 | 8.33 | 28.95 | 95.3 | 7.27 | 9.7 | 12 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS(Mf)9 | 08:28:27 | 1.0 | Surface | 1 | 2 | 20.29 | 8.33 | 28.95 | 94.7 | 7.22 | 9.5 | 12.9 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS(Mf)9 | 08:28:15 | 2.5 | Bottom | 3 | 1 | 20.29 | 8.33 | 28.95 | 94.7 | 7.22 | 9.8 | 11.6 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS(Mf)9 | 08:27:53 | 2.5 | Bottom | 3 | 2 | 20.29 | 8.33 | 28.95 | 94.9 | 7.23 | 9.7 | 11.5 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS10 | 08:33:34 | 1.0 | Surface | 1 | 1 | 20.25 | 8.22 | 29.39 | 94 | 7.16 | 7.1 | 6.5 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS10 | 08:32:45 | 1.0 | Surface | 1 | 2 | 20.25 | 8.22 | 29.39 | 94.1 | 7.16 | 6.9 | 6.9 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS10 | 08:32:28 | 5.1 | Middle | 2 | 1 | 20.22 | 8.22 | 29.61 | 93.8 | 7.14 | 7.5 | 6.5 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS10 | 08:33:17 | 5.1 | Middle | 2 | 2 | 20.21 | 8.22 | 29.64 | 93.7 | 7.12 | 7.2 | 7.5 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS10 | 08:32:59 | 9.1 | Bottom | 3 | 1 | 20.19 | 8.23 | 29.88 | 93.4 | 7.1 | 7.5 | 6.3 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | IS10 | 08:32:14 | 9.1 | Bottom | 3 | 2 | 20.19 | 8.23 | 29.93 | 93.5 | 7.1 | 7.3 | 7.5 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | SR3 | 08:55:17 | 0.7 | Middle | 2 | 1 | 20.37 | 8.3 | 28.96 | 94.7 | 7.21 | 4 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | SR3 | 08:55:22 | 0.7 | Middle | 2 | 2 | 20.38 | 8.3 | 28.97 | 94.4 | 7.18 | 4.1 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | SR4 | 08:18:20 | 1.0 | Surface | 1 | 1 | 20.39 | 8.3 | 28.91 | 91.1 | 6.94 | 3.4 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | SR4 | 08:18:48 | 1.0 | Surface | 1 | 2 | 20.4 | 8.29 | 28.84 | 90.8 | 6.91 | 3.4 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | SR4 | 08:18:06 | 2.7 | Bottom | 3 | 1 | 20.39 | 8.3 | 28.93 | 91 | 6.93 | 4 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | SR4 | 08:18:33 | 2.7 | Bottom | 3 | 2 | 20.39 | 8.3 | 28.9 | 90.3 | 6.87 | 3.7 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | SR5 | 08:40:24 | 1.0 | Surface | 1 | 1 | 20.3 | 8.22 | 29.43 | 93.6 | 7.12 | 13.2 | 12.9 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | SR5 | 08:40:54 | 1.0 | Surface | 1 | 2 | 20.29 | 8.22 | 29.52 | 93.3 | 7.09 | 13.8 | 12.7 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | SR5 | 08:40:36 | 3.7 | Bottom | 3 | 1 | 20.29 | 8.22 | 29.57 | 93.3 | 7.09 | 13.5 | 13.1 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | SR5 | 08:40:08 | 3.7 | Bottom | 3 | 2 | 20.28 | 8.22 | 29.6 | 93.6 | 7.11 | 13.8 | 13.2 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | SR10A | 07:12:56 | 1.0 | Surface | 1 | 1 | 19.95 | 8.32 | 30.25 | 93.3 | 7.1 | 1.6 | 2.1 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | SR10A | 07:12:28 | 1.0 | Surface | 1 | 2 | 19.95 | 8.32 | 30.25 | 93.4 | 7.11 | 1.6 | 2.4 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | SR10A | 07:12:22 | 3.1 | Middle | 2 | 1 | 19.94 | 8.32 | 30.26 | 93.3 | 7.11 | 1.6 | 2.5 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | SR10A | 07:12:45 | 3.1 | Middle | 2 | 2 | 19.96 | 8.32 | 30.24 | 93.2 | 7.1 | 1.7 | 2.5 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | SR10A | 07:12:37 | 5.2 | Bottom | 3 | 1 | 19.95 | 8.32 | 30.24 | 93.2 | 7.1 | 1.8 | 2.8 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | SR10A | 07:12:17 | 5.2 | Bottom | 3 | 2 | 19.93 | 8.32 | 30.28 | 93.4 | 7.11 | 1.7 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | SR10B | 07:07:47 | 1.0 | Surface | 1 | 1 | 19.73 | 8.32 | 30.82 | 97.4 | 7.42 | 2.4 | 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | SR10B | 07:08:02 | 1.0 | Surface | 1 | 2 | 19.74 | 8.32 | 30.82 | 95.1 | 7.24 | 2.4 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | SR10B | 07:07:34 | 4.1 | Bottom | 3 | 1 | 19.72 | 8.31 | 30.83 | 95.7 | 7.29 | 2.4 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | SR10B | 07:07:53 | 4.1 | Bottom | 3 | 2 | 19.73 | 8.32 | 30.82 | 94.7 | 7.22 | 2.4 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | CS2 | 10:16:07 | 1.0 | Surface | 1 | 1 | 20.25 | 8.23 | 29.52 | 94.4 | 7.18 | 6.8 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | CS2 | 10:15:25 | 1.0 | Surface | 1 | 2 | 20.25 | 8.23 | 29.55 | 94.5 | 7.18 | 7.1 | 5.3 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | CS2 | 10:15:52 | 4.1 | Middle | 2 | 1 | 20.21 | 8.24 | 29.85 | 94.1 | 7.15 | 7.6 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | CS2 | 10:15:10 | 4.1 | Middle | 2 | 2 | 20.2 | 8.24 | 29.9 | 94.2 | 7.15 | 7.9 | 5.5 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | CS2 | 10:15:37 | 7.1 | Bottom | 3 | 1 | 20.19 | 8.24 | 29.96 | 94.1 | 7.14 | 8.5 | 5.8 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | CS2 | 10:14:58 | 7.1 | Bottom | 3 | 2 | 20.18 | 8.24 | 30.03 | 94 | 7.14 | 8.4 | 5.8 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | CS(Mf)5 | 07:42:09 | 1.0 | Surface | 1 | 1 | 20.24 | 8.33 | 28.96 | 94.2 | 7.19 | 2.7 | 2.5 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | CS(Mf)5 | 07:41:09 | 1.0 | Surface | 1 | 2 | 20.23 | 8.33 | 28.93 | 94.2 | 7.19 | 3 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | CS(Mf)5 | 07:41:47 | 6.8 | Middle | 2 | 1 | 20.04 | 8.33 | 30.08 | 92.6 | 7.05 | 3 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | CS(Mf)5 | 07:40:51 | 6.8 | Middle | 2 | 2 | 20.05 | 8.33 | 30.03 | 92.9 | 7.07 | 2.9 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | CS(Mf)5 | 07:41:30 | 12.5 | Bottom | 3 | 1 | 20 | 8.33 | 30.22 | 92.7 | 7.05 | 3.4 | 2.9 | |
| HKLR | HY/2011/03 | 2013-03-15 | Mid-Flood | Cloudy | CS(Mf)5 | 07:40:40 | 12.5 | Bottom | 3 | 2 | 20.01 | 8.32 | 30.21 | 93 | 7.07 | 3.3 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS5 | 15:53:22 | 1.0 | Surface | 1 | 1 | 21.5 | 8.31 | 28.44 | 96.8 | 7.24 | 4.3 | 5.4 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS5 | 15:54:16 | 1.0 | Surface | 1 | 2 | 21.56 | 8.31 | 28.3 | 98.1 | 7.33 | 4.4 | 5.4 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS5 | 15:53:56 | 4.7 | Middle | 2 | 1 | 21.24 | 8.29 | 29.05 | 94.9 | 7.1 | 5.2 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS5 | 15:53:10 | 4.7 | Middle | 2 | 2 | 21.24 | 8.29 | 28.99 | 94.8 | 7.1 | 4.7 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS5 | 15:52:55 | 8.4 | Bottom | 3 | 1 | 21.22 | 8.29 | 29.1 | 95.3 | 7.14 | 4.6 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS5 | 15:53:41 | 8.4 | Bottom | 3 | 2 | 21.24 | 8.29 | 29.09 | 95.4 | 7.15 | 5.1 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS(Mf)6 | 16:01:47 | 1.0 | Surface | 1 | 1 | 21.59 | 8.31 | 28.74 | 98.6 | 7.35 | 6.6 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS(Mf)6 | 16:01:25 | 1.0 | Surface | 1 | 2 | 21.7 | 8.31 | 28.52 | 99.3 | 7.4 | 5.7 | 5 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS(Mf)6 | 16:01:13 | 2.2 | Bottom | 3 | 1 | 21.37 | 8.3 | 29.24 | 98.4 | 7.34 | 7.5 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS(Mf)6 | 16:01:38 | 2.2 | Bottom | 3 | 2 | 21.4 | 8.3 | 29.21 | 98.6 | 7.36 | 7.3 | 5.2 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS7 | 16:08:41 | 1.0 | Surface | 1 | 1 | 21.99 | 8.32 | 27.72 | 102.8 | 7.66 | 4.1 | 4.1 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS7 | 16:08:13 | 1.0 | Surface | 1 | 2 | 21.92 | 8.31 | 27.87 | 101.7 | 7.57 | 3.9 | 3 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS7 | 16:08:25 | 2.4 | Bottom | 3 | 1 | 21.79 | 8.3 | 28.59 | 102 | 7.58 | 7.4 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS7 | 16:08:03 | 2.4 | Bottom | 3 | 2 | 21.8 | 8.3 | 28.64 | 101.7 | 7.55 | 7.3 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS8 | 16:31:05 | 1.0 | Surface | 1 | 1 | 21.48 | 8.32 | 28.04 | 100.8 | 7.56 | 3.2 | 2.3 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS8 | 16:30:42 | 1.0 | Surface | 1 | 2 | 21.56 | 8.32 | 28.03 | 101.1 | 7.57 | 3.3 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS8 | 16:30:55 | 2.4 | Bottom | 3 | 1 | 21.32 | 8.31 | 28.65 | 100.4 | 7.53 | 3.6 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS8 | 16:30:34 | 2.4 | Bottom | 3 | 2 | 21.57 | 8.31 | 28.42 | 101 | 7.54 | 4 | 5.4 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS(Mf)9 | 16:15:30 | 1.0 | Surface | 1 | 1 | 21.67 | 8.32 | 28.08 | 103.3 | 7.72 | 3.2 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS(Mf)9 | 16:15:53 | 1.0 | Surface | 1 | 2 | 21.56 | 8.33 | 28.1 | 103.2 | 7.72 | 3.1 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS(Mf)9 | 16:15:42 | 2.6 | Bottom | 3 | 1 | 21.49 | 8.32 | 28.34 | 102.9 | 7.71 | 3.2 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS(Mf)9 | 16:15:23 | 2.6 | Bottom | 3 | 2 | 21.6 | 8.32 | 28.25 | 103 | 7.7 | 3.3 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS10 | 16:38:46 | 1.0 | Surface | 1 | 1 | 21.14 | 8.14 | 28.71 | 94.2 | 7.08 | 5.4 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS10 | 16:39:47 | 1.0 | Surface | 1 | 2 | 21.16 | 8.14 | 28.72 | 94.5 | 7.1 | 5.1 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS10 | 16:39:30 | 5.6 | Middle | 2 | 1 | 21.05 | 8.14 | 29.01 | 93.1 | 6.99 | 6.5 | 3 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS10 | 16:38:36 | 5.6 | Middle | 2 | 2 | 21.06 | 8.14 | 28.97 | 93.2 | 7 | 6.7 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS10 | 16:38:18 | 10.2 | Bottom | 3 | 1 | 20.89 | 8.14 | 29.48 | 92.5 | 6.95 | 7.9 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | IS10 | 16:39:15 | 10.2 | Bottom | 3 | 2 | 20.93 | 8.14 | 29.4 | 92.7 | 6.97 | 7.7 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | SR3 | 15:38:07 | 0.8 | Middle | 2 | 1 | 21.62 | 8.32 | 28.29 | 100.2 | 7.48 | 4.5 | 5 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | SR3 | 15:38:18 | 0.8 | Middle | 2 | 2 | 21.57 | 8.31 | 28.34 | 100.1 | 7.49 | 4.2 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | SR4 | 16:25:53 | 1.0 | Surface | 1 | 1 | 21.41 | 8.31 | 28.52 | 99.1 | 7.42 | 3.5 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | SR4 | 16:25:27 | 1.0 | Surface | 1 | 2 | 21.44 | 8.31 | 28.54 | 99.1 | 7.41 | 3.3 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | SR4 | 16:25:14 | 2.5 | Bottom | 3 | 1 | 21.25 | 8.31 | 29.14 | 98.4 | 7.36 | 3.9 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | SR4 | 16:25:40 | 2.5 | Bottom | 3 | 2 | 21.26 | 8.3 | 29.06 | 98.7 | 7.39 | 4 | 2.9 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | SR5 | 16:29:18 | 1.0 | Surface | 1 | 1 | 21.55 | 8.12 | 28.6 | 93.5 | 6.98 | 8.6 | 6.6 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | SR5 | 16:29:31 | 1.0 | Surface | 1 | 2 | 21.35 | 8.12 | 28.84 | 93.3 | 6.98 | 8.7 | 8.2 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | SR5 | 16:29:06 | 4.5 | Bottom | 3 | 1 | 21.26 | 8.12 | 29.02 | 93.2 | 6.98 | 8.9 | 8.2 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | SR5 | 16:29:24 | 4.5 | Bottom | 3 | 2 | 21.49 | 8.12 | 28.8 | 93 | 6.95 | 9 | 7.5 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | SR10A | 17:30:59 | 1.0 | Surface | 1 | 1 | 21.02 | 8.33 | 29.6 | 97.7 | 7.32 | 1.6 | 4.1 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | SR10A | 17:30:18 | 1.0 | Surface | 1 | 2 | 20.99 | 8.33 | 29.62 | 97.5 | 7.31 | 1.5 | 5.4 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | SR10A | 17:30:04 | 3.2 | Middle | 2 | 1 | 20.94 | 8.33 | 29.7 | 97.2 | 7.29 | 1.4 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | SR10A | 17:30:41 | 3.2 | Middle | 2 | 2 | 20.95 | 8.33 | 29.69 | 97.2 | 7.29 | 1.6 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | SR10A | 17:29:56 | 5.4 | Bottom | 3 | 1 | 20.93 | 8.33 | 29.71 | 97.1 | 7.29 | 1.5 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | SR10A | 17:30:32 | 5.4 | Bottom | 3 | 2 | 20.94 | 8.33 | 29.69 | 97.2 | 7.29 | 1.7 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | SR10B | 17:41:55 | 1.0 | Surface | 1 | 1 | 20.96 | 8.33 | 29.67 | 97.5 | 7.31 | 1.5 | 2.5 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | SR10B | 17:42:36 | 1.0 | Surface | 1 | 2 | 20.95 | 8.33 | 29.69 | 97.2 | 7.29 | 1.5 | 2.4 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | SR10B | 17:41:33 | 4.5 | Bottom | 3 | 1 | 20.92 | 8.33 | 29.72 | 97 | 7.28 | 1.5 | 2.5 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | SR10B | 17:42:20 | 4.5 | Bottom | 3 | 2 | 20.9 | 8.33 | 29.76 | 96.9 | 7.27 | 1.5 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | CS2 | 15:36:11 | 1.0 | Surface | 1 | 1 | 21.52 | 8.12 | 28.15 | 96 | 7.19 | 4.4 | 4 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | CS2 | 15:37:07 | 1.0 | Surface | 1 | 2 | 21.39 | 8.13 | 28.25 | 95.8 | 7.19 | 4.4 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | CS2 | 15:36:57 | 4.1 | Middle | 2 | 1 | 21.11 | 8.13 | 28.81 | 94.2 | 7.08 | 5.7 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | CS2 | 15:36:04 | 4.1 | Middle | 2 | 2 | 21.22 | 8.12 | 28.48 | 94 | 7.07 | 5.4 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | CS2 | 15:35:52 | 7.2 | Bottom | 3 | 1 | 20.89 | 8.11 | 29.39 | 92.9 | 6.99 | 7 | 4.5 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | CS2 | 15:36:38 | 7.2 | Bottom | 3 | 2 | 20.81 | 8.12 | 29.62 | 93.3 | 7.02 | 7.2 | 5.6 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | CS(Mf)5 | 17:03:41 | 1.0 | Surface | 1 | 1 | 21.23 | 8.32 | 28.8 | 96.5 | 7.24 | 2.6 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | CS(Mf)5 | 17:04:43 | 1.0 | Surface | 1 | 2 | 21.23 | 8.32 | 28.78 | 96.9 | 7.27 | 2.7 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | CS(Mf)5 | 17:04:21 | 6.4 | Middle | 2 | 1 | 20.62 | 8.32 | 29.63 | 92.2 | 6.96 | 2.7 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | CS(Mf)5 | 17:03:23 | 6.4 | Middle | 2 | 2 | 20.63 | 8.32 | 29.61 | 92.2 | 6.96 | 2.6 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | CS(Mf)5 | 17:03:05 | 11.8 | Bottom | 3 | 1 | 20.27 | 8.31 | 30.43 | 91.7 | 6.94 | 3.1 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Ebb | Sunny | CS(Mf)5 | 17:04:05 | 11.8 | Bottom | 3 | 2 | 20.28 | 8.31 | 30.42 | 92.1 | 6.97 | 3 | 3.6 | |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS5 | 12:04:38 | 1.0 | Surface | 1 | 1 | 21.17 | 8.3 | 29.21 | 94.5 | 7.08 | 4.5 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS5 | 12:05:28 | 1.0 | Surface | 1 | 2 | 21.17 | 8.3 | 29.23 | 94 | 7.04 | 4.6 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS5 | 12:05:12 | 4.8 | Middle | 2 | 1 | 21.03 | 8.28 | 29.42 | 91.4 | 6.86 | 5.4 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS5 | 12:04:20 | 4.8 | Middle | 2 | 2 | 21.03 | 8.28 | 29.39 | 92 | 6.91 | 5.8 | 5.6 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS5 | 12:04:10 | 8.6 | Bottom | 3 | 1 | 21.02 | 8.28 | 29.47 | 92.7 | 6.95 | 5.6 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS5 | 12:05:01 | 8.6 | Bottom | 3 | 2 | 21.01 | 8.28 | 29.49 | 91.6 | 6.87 | 5.5 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS(Mf)6 | 11:55:48 | 1.0 | Surface | 1 | 1 | 21.67 | 8.3 | 28.41 | 98.9 | 7.38 | 3.2 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS(Mf)6 | 11:56:12 | 1.0 | Surface | 1 | 2 | 21.65 | 8.3 | 28.39 | 98.7 | 7.36 | 3.5 | 4.1 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS(Mf)6 | 11:56:00 | 2.4 | Bottom | 3 | 1 | 21.31 | 8.3 | 28.93 | 97.9 | 7.33 | 4 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS(Mf)6 | 11:55:36 | 2.4 | Bottom | 3 | 2 | 21.35 | 8.3 | 28.94 | 97.9 | 7.32 | 4 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS7 | 11:47:41 | 1.0 | Surface | 1 | 1 | 21.22 | 8.3 | 29.04 | 97.7 | 7.32 | 3.1 | 5.5 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS7 | 11:48:00 | 1.0 | Surface | 1 | 2 | 21.21 | 8.3 | 29.03 | 97.5 | 7.31 | 3.3 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS7 | 11:47:24 | 2.7 | Bottom | 3 | 1 | 21.18 | 8.3 | 29.13 | 97.4 | 7.3 | 3.2 | 3 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS7 | 11:47:51 | 2.7 | Bottom | 3 | 2 | 21.19 | 8.3 | 29.11 | 97.4 | 7.3 | 3.4 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS8 | 11:20:59 | 1.0 | Surface | 1 | 1 | 21.2 | 8.28 | 27.83 | 95.7 | 7.22 | 3.2 | 7.1 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS8 | 11:20:02 | 1.0 | Surface | 1 | 2 | 21.28 | 8.29 | 27.7 | 95.5 | 7.2 | 3.3 | 6 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS8 | 11:20:52 | 2.6 | Bottom | 3 | 1 | 21.18 | 8.28 | 27.99 | 95.7 | 7.22 | 3.8 | 8 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS8 | 11:19:52 | 2.6 | Bottom | 3 | 2 | 21.2 | 8.28 | 27.99 | 95.3 | 7.18 | 4.2 | 6 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS(Mf)9 | 11:41:52 | 1.0 | Surface | 1 | 1 | 21.12 | 8.29 | 28.47 | 94.4 | 7.11 | 4.3 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS(Mf)9 | 11:41:28 | 1.0 | Surface | 1 | 2 | 21.11 | 8.29 | 28.55 | 94.4 | 7.11 | 4.3 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS(Mf)9 | 11:41:39 | 2.6 | Bottom | 3 | 1 | 21.07 | 8.29 | 29.09 | 94.2 | 7.07 | 4.4 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS(Mf)9 | 11:41:19 | 2.6 | Bottom | 3 | 2 | 21.11 | 8.28 | 28.73 | 94.2 | 7.08 | 4.6 | 3 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS10 | 11:33:25 | 1.0 | Surface | 1 | 1 | 21.15 | 8.16 | 28.72 | 94.3 | 7.09 | 3.5 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS10 | 11:32:49 | 1.0 | Surface | 1 | 2 | 21.2 | 8.16 | 28.69 | 94.5 | 7.1 | 3.5 | 3 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS10 | 11:33:15 | 5.8 | Middle | 2 | 1 | 21.05 | 8.16 | 28.9 | 93.8 | 7.06 | 3.5 | 5.4 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS10 | 11:32:43 | 5.8 | Middle | 2 | 2 | 21.07 | 8.16 | 28.84 | 93.9 | 7.06 | 3.6 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS10 | 11:32:30 | 10.6 | Bottom | 3 | 1 | 20.92 | 8.16 | 29.33 | 93.5 | 7.03 | 3.7 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | IS10 | 11:33:04 | 10.6 | Bottom | 3 | 2 | 20.9 | 8.16 | 29.44 | 93.4 | 7.02 | 3.7 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | SR3 | 12:12:36 | 0.8 | Middle | 2 | 1 | 21.11 | 8.3 | 29.27 | 95.1 | 7.13 | 4.8 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | SR3 | 12:12:24 | 0.8 | Middle | 2 | 2 | 21.1 | 8.29 | 29.29 | 95.2 | 7.13 | 4.9 | 5 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | SR4 | 11:29:06 | 1.0 | Surface | 1 | 1 | 21.56 | 8.27 | 27.37 | 96.3 | 7.24 | 3 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | SR4 | 11:28:18 | 1.0 | Surface | 1 | 2 | 21.54 | 8.28 | 27.38 | 96.4 | 7.25 | 3 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | SR4 | 11:29:00 | 2.4 | Bottom | 3 | 1 | 21.55 | 8.27 | 27.39 | 96.2 | 7.23 | 2.8 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | SR4 | 11:28:10 | 2.4 | Bottom | 3 | 2 | 21.54 | 8.28 | 27.4 | 96.3 | 7.24 | 3 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | SR5 | 11:43:35 | 1.0 | Surface | 1 | 1 | 21.2 | 8.14 | 28.73 | 93.8 | 7.04 | 4.3 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | SR5 | 11:43:48 | 1.0 | Surface | 1 | 2 | 21.31 | 8.14 | 28.58 | 94.2 | 7.06 | 4.1 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | SR5 | 11:43:27 | 4.5 | Bottom | 3 | 1 | 21.05 | 8.14 | 29.15 | 93.4 | 7.01 | 4.5 | 4 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | SR5 | 11:43:41 | 4.5 | Bottom | 3 | 2 | 21.34 | 8.14 | 28.69 | 93.7 | 7.02 | 4.3 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | SR10A | 10:19:30 | 1.0 | Surface | 1 | 1 | 20.35 | 8.31 | 30.38 | 91.4 | 6.9 | 1.4 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | SR10A | 10:15:17 | 1.0 | Surface | 1 | 2 | 20.24 | 8.31 | 30.49 | 90.8 | 6.87 | 1.4 | 2.9 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | SR10A | 10:19:18 | 3.4 | Middle | 2 | 1 | 20.25 | 8.31 | 30.49 | 90.9 | 6.87 | 1.5 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | SR10A | 10:15:09 | 3.4 | Middle | 2 | 2 | 20.2 | 8.31 | 30.55 | 90.6 | 6.85 | 1.5 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | SR10A | 10:19:01 | 5.7 | Bottom | 3 | 1 | 20.2 | 8.31 | 30.54 | 90.7 | 6.87 | 1.4 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | SR10A | 10:14:57 | 5.7 | Bottom | 3 | 2 | 20.18 | 8.31 | 30.6 | 90.4 | 6.84 | 1.4 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | SR10B | 10:04:58 | 1.0 | Surface | 1 | 1 | 20.24 | 8.31 | 30.59 | 91 | 6.88 | 1.5 | 2.8 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | SR10B | 10:04:32 | 1.0 | Surface | 1 | 2 | 20.25 | 8.31 | 30.65 | 91.1 | 6.88 | 1.4 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | SR10B | 10:04:12 | 4.6 | Bottom | 3 | 1 | 20.2 | 8.31 | 30.77 | 90.8 | 6.86 | 1.6 | 5.2 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | SR10B | 10:04:46 | 4.6 | Bottom | 3 | 2 | 20.19 | 8.31 | 30.71 | 90.8 | 6.86 | 1.5 | 6.3 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | CS2 | 12:41:17 | 1.0 | Surface | 1 | 1 | 21.38 | 8.17 | 29.12 | 95.8 | 7.15 | 3.6 | 2.6 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | CS2 | 12:40:27 | 1.0 | Surface | 1 | 2 | 21.09 | 8.17 | 29.22 | 95 | 7.13 | 3.9 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | CS2 | 12:40:21 | 4.1 | Middle | 2 | 1 | 21.05 | 8.17 | 29.25 | 94.6 | 7.1 | 4.1 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | CS2 | 12:41:07 | 4.1 | Middle | 2 | 2 | 20.97 | 8.17 | 29.33 | 94.5 | 7.1 | 4 | 2.1 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | CS2 | 12:40:08 | 7.2 | Bottom | 3 | 1 | 20.89 | 8.17 | 29.44 | 94.2 | 7.09 | 4.9 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | CS2 | 12:40:40 | 7.2 | Bottom | 3 | 2 | 20.86 | 8.17 | 29.58 | 94.3 | 7.09 | 4.7 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | CS(Mf)5 | 10:49:10 | 1.0 | Surface | 1 | 1 | 20.9 | 8.31 | 29.16 | 93.7 | 7.06 | 2.3 | 2.8 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | CS(Mf)5 | 10:48:05 | 1.0 | Surface | 1 | 2 | 21 | 8.31 | 29.04 | 94.5 | 7.11 | 2.5 | 2.8 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | CS(Mf)5 | 10:48:49 | 6.6 | Middle | 2 | 1 | 20.2 | 8.31 | 30.43 | 90.7 | 6.87 | 3.2 | 4 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | CS(Mf)5 | 10:47:44 | 6.6 | Middle | 2 | 2 | 20.24 | 8.32 | 30.25 | 91.1 | 6.9 | 3.3 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | CS(Mf)5 | 10:47:28 | 12.2 | Bottom | 3 | 1 | 20.1 | 8.31 | 30.71 | 91.2 | 6.9 | 5.1 | 4 | |
| HKLR | HY/2011/03 | 2013-03-18 | Mid-Flood | Sunny | CS(Mf)5 | 10:48:24 | 12.2 | Bottom | 3 | 2 | 20.12 | 8.31 | 30.67 | 91.4 | 6.92 | 4.5 | 5.2 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS5 | 18:40:54 | 1.0 | Surface | 1 | 1 | 23.1 | 8.25 | 25.09 | 101 | 7.52 | 4 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS5 | 18:40:06 | 1.0 | Surface | 1 | 2 | 23.78 | 8.27 | 24.58 | 102.5 | 7.53 | 4.1 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS5 | 18:39:51 | 4.2 | Middle | 2 | 1 | 22.32 | 8.27 | 26.54 | 98.2 | 7.32 | 4.2 | 2.3 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS5 | 18:40:41 | 4.2 | Middle | 2 | 2 | 22.39 | 8.25 | 26.81 | 99.1 | 7.34 | 4.3 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS5 | 18:40:27 | 7.3 | Bottom | 3 | 1 | 22.32 | 8.27 | 26.68 | 99.1 | 7.36 | 4.3 | 2.2 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS5 | 18:39:40 | 7.3 | Bottom | 3 | 2 | 22.47 | 8.23 | 26.92 | 98.7 | 7.31 | 4.3 | 2.5 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS(Mf)6 | 18:50:58 | 1.0 | Surface | 1 | 1 | 22.77 | 8.29 | 24.84 | 106 | 7.91 | 3.5 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS(Mf)6 | 18:50:36 | 1.0 | Surface | 1 | 2 | 22.79 | 8.29 | 24.81 | 105.3 | 7.86 | 3.5 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS(Mf)6 | 18:50:23 | 2.1 | Bottom | 3 | 1 | 22.71 | 8.29 | 26.55 | 104.8 | 7.75 | 4.1 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS(Mf)6 | 18:50:46 | 2.1 | Bottom | 3 | 2 | 22.76 | 8.29 | 25.97 | 105.9 | 7.85 | 4 | 2.8 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS7 | 19:02:43 | 1.0 | Surface | 1 | 1 | 22.77 | 8.3 | 24.84 | 106.1 | 7.92 | 3.3 | 2.9 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS7 | 19:02:20 | 1.0 | Surface | 1 | 2 | 22.9 | 8.3 | 24.71 | 105.8 | 7.89 | 3.3 | 2.4 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS7 | 19:02:09 | 2.1 | Bottom | 3 | 1 | 22.93 | 8.29 | 26.39 | 106.2 | 7.84 | 3.4 | 2.9 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS7 | 19:02:32 | 2.1 | Bottom | 3 | 2 | 22.92 | 8.29 | 26.5 | 105.9 | 7.81 | 3.6 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS8 | 19:32:40 | 1.0 | Surface | 1 | 1 | 22.43 | 8.25 | 25.72 | 96.2 | 7.19 | 5.7 | 6.1 | |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS8 | 19:32:17 | 1.0 | Surface | 1 | 2 | 22.43 | 8.25 | 25.72 | 96.1 | 7.18 | 5.7 | 5.8 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS8 | 19:32:28 | 2.9 | Bottom | 3 | 1 | 22.34 | 8.24 | 25.91 | 95.8 | 7.16 | 6.4 | 7.3 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS8 | 19:32:04 | 2.9 | Bottom | 3 | 2 | 22.29 | 8.24 | 26.01 | 95.6 | 7.15 | 6.5 | 5.9 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS(Mf)9 | 19:14:14 | 1.0 | Surface | 1 | 1 | 22.4 | 8.25 | 25.75 | 96.2 | 7.19 | 5.2 | 5.2 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS(Mf)9 | 19:13:49 | 1.0 | Surface | 1 | 2 | 22.4 | 8.25 | 25.76 | 96.2 | 7.19 | 5.3 | 5.3 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS(Mf)9 | 19:13:34 | 2.5 | Bottom | 3 | 1 | 22.31 | 8.24 | 25.91 | 95.6 | 7.15 | 5.5 | 5 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS(Mf)9 | 19:14:01 | 2.5 | Bottom | 3 | 2 | 22.35 | 8.24 | 25.84 | 96 | 7.18 | 5.3 | 5.9 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS10 | 19:21:13 | 1.0 | Surface | 1 | 1 | 23.06 | 8.13 | 24.62 | 94.5 | 7.03 | 4.3 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS10 | 19:20:11 | 1.0 | Surface | 1 | 2 | 23.07 | 8.14 | 24.62 | 95 | 7.06 | 4.2 | 2.8 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS10 | 19:20:59 | 5.3 | Middle | 2 | 1 | 21.6 | 8.14 | 28.34 | 89.6 | 6.7 | 4.2 | 2.6 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS10 | 19:19:56 | 5.3 | Middle | 2 | 2 | 21.4 | 8.14 | 28.5 | 88.8 | 6.65 | 4.1 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS10 | 19:20:38 | 9.6 | Bottom | 3 | 1 | 20.51 | 8.16 | 31.03 | 87.3 | 6.55 | 3.8 | 2.8 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | IS10 | 19:19:43 | 9.6 | Bottom | 3 | 2 | 20.55 | 8.15 | 30.97 | 90 | 6.75 | 3.8 | 2.9 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | SR3 | 18:30:56 | 0.7 | Middle | 2 | 1 | 23.54 | 8.3 | 24.86 | 105 | 7.73 | 2.6 | 2.6 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | SR3 | 18:30:46 | 0.7 | Middle | 2 | 2 | 23.59 | 8.3 | 24.81 | 104.5 | 7.69 | 2.7 | 2.5 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | SR4 | 19:26:05 | 1.0 | Surface | 1 | 1 | 22.43 | 8.25 | 25.69 | 96.5 | 7.21 | 6.1 | 5.6 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | SR4 | 19:26:27 | 1.0 | Surface | 1 | 2 | 22.44 | 8.24 | 25.67 | 96.4 | 7.21 | 6.2 | 5.7 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | SR4 | 19:26:14 | 2.7 | Bottom | 3 | 1 | 22.41 | 8.24 | 25.74 | 96.3 | 7.2 | 6.4 | 6.8 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | SR4 | 19:25:49 | 2.7 | Bottom | 3 | 2 | 22.38 | 8.24 | 25.77 | 96.2 | 7.19 | 6.5 | 6 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | SR5 | 19:08:03 | 1.0 | Surface | 1 | 1 | 22.35 | 8.16 | 26.15 | 97.4 | 7.27 | 4.5 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | SR5 | 19:07:21 | 1.0 | Surface | 1 | 2 | 22.24 | 8.16 | 26.58 | 97.3 | 7.26 | 4.4 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | SR5 | 19:07:48 | 4.5 | Bottom | 3 | 1 | 21.91 | 8.17 | 27.32 | 96.6 | 7.22 | 4 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | SR5 | 19:07:07 | 4.5 | Bottom | 3 | 2 | 21.91 | 8.17 | 27.34 | 96.6 | 7.22 | 4.2 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | SR10A | 20:37:55 | 1.0 | Surface | 1 | 1 | 22.58 | 8.3 | 26.69 | 102.3 | 7.58 | 2.2 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | SR10A | 20:37:12 | 1.0 | Surface | 1 | 2 | 22.66 | 8.3 | 26.62 | 102.3 | 7.57 | 2.2 | 4.7 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | SR10A | 20:36:57 | 3.2 | Middle | 2 | 1 | 22.17 | 8.29 | 27.3 | 100.4 | 7.47 | 2.2 | 3 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | SR10A | 20:37:44 | 3.2 | Middle | 2 | 2 | 22.24 | 8.29 | 27.19 | 101 | 7.51 | 2.3 | 3 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | SR10A | 20:36:45 | 5.4 | Bottom | 3 | 1 | 22.1 | 8.29 | 27.43 | 100.3 | 7.46 | 2.5 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | SR10A | 20:37:31 | 5.4 | Bottom | 3 | 2 | 22.08 | 8.29 | 27.47 | 101 | 7.52 | 2.4 | 2.3 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | SR10B | 20:45:45 | 1.0 | Surface | 1 | 1 | 22.7 | 8.3 | 26.53 | 103.3 | 7.65 | 1.7 | 2.2 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | SR10B | 20:45:20 | 1.0 | Surface | 1 | 2 | 22.43 | 8.3 | 26.89 | 102.3 | 7.59 | 1.7 | 3 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | SR10B | 20:45:32 | 3.8 | Bottom | 3 | 1 | 22.36 | 8.29 | 27.07 | 102.2 | 7.58 | 1.7 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | SR10B | 20:45:14 | 3.8 | Bottom | 3 | 2 | 22.31 | 8.29 | 27.18 | 101.8 | 7.56 | 1.7 | 2.3 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | CS2 | 18:02:28 | 1.0 | Surface | 1 | 1 | 22.85 | 8.18 | 25.01 | 96.1 | 7.16 | 4.6 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | CS2 | 18:01:39 | 1.0 | Surface | 1 | 2 | 22.82 | 8.19 | 25.08 | 96.3 | 7.17 | 4.5 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | CS2 | 18:02:15 | 3.3 | Middle | 2 | 1 | 22.12 | 8.19 | 26.8 | 92.7 | 6.92 | 5.3 | 4 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | CS2 | 18:01:27 | 3.3 | Middle | 2 | 2 | 22.18 | 8.2 | 26.76 | 93.2 | 6.96 | 5 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | CS2 | 18:01:12 | 5.6 | Bottom | 3 | 1 | 21.5 | 8.2 | 28.68 | 91.7 | 6.85 | 5.1 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | CS2 | 18:02:02 | 5.6 | Bottom | 3 | 2 | 21.37 | 8.19 | 28.93 | 90.9 | 6.8 | 5 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | CS(Mf)5 | 20:10:05 | 1.0 | Surface | 1 | 1 | 22.82 | 8.26 | 24.83 | 97.5 | 7.27 | 2.4 | 6 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | CS(Mf)5 | 20:11:14 | 1.0 | Surface | 1 | 2 | 22.89 | 8.25 | 24.78 | 97.5 | 7.26 | 2.5 | 6.2 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | CS(Mf)5 | 20:09:51 | 6.1 | Middle | 2 | 1 | 21.79 | 8.27 | 26.93 | 93.4 | 7.01 | 2.4 | 6.1 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | CS(Mf)5 | 20:10:58 | 6.1 | Middle | 2 | 2 | 21.67 | 8.27 | 27.05 | 92 | 6.92 | 2.5 | 7.3 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | CS(Mf)5 | 20:09:29 | 11.2 | Bottom | 3 | 1 | 20.32 | 8.27 | 30.74 | 90.7 | 6.84 | 2.5 | 7.3 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Ebb | Fine | CS(Mf)5 | 20:10:41 | 11.2 | Bottom | 3 | 2 | 20.26 | 8.29 | 30.85 | 88.9 | 6.71 | 2.7 | 7 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS5 | 07:43:10 | 1.0 | Surface | 1 | 1 | 21.93 | 8.24 | 27.47 | 89.7 | 6.69 | 4 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS5 | 07:42:33 | 1.0 | Surface | 1 | 2 | 21.9 | 8.25 | 27.53 | 89.5 | 6.68 | 4.1 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS5 | 07:42:22 | 4.2 | Middle | 2 | 1 | 21.68 | 8.25 | 27.92 | 88.7 | 6.63 | 4.3 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS5 | 07:42:57 | 4.2 | Middle | 2 | 2 | 21.64 | 8.25 | 28.03 | 88.4 | 6.61 | 4.3 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS5 | 07:42:47 | 7.4 | Bottom | 3 | 1 | 21.44 | 8.25 | 28.52 | 88.2 | 6.6 | 4.4 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS5 | 07:42:10 | 7.4 | Bottom | 3 | 2 | 21.41 | 8.25 | 28.58 | 88.4 | 6.62 | 4.2 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS(Mf)6 | 07:34:38 | 1.0 | Surface | 1 | 1 | 21.85 | 8.26 | 27.09 | 92 | 6.9 | 7.5 | 2.1 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS(Mf)6 | 07:35:03 | 1.0 | Surface | 1 | 2 | 21.84 | 8.26 | 27.1 | 93.7 | 7.02 | 7.1 | 2.3 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS(Mf)6 | 07:34:49 | 2.0 | Bottom | 3 | 1 | 21.85 | 8.26 | 27.05 | 93.1 | 6.98 | 10.6 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS(Mf)6 | 07:34:26 | 2.0 | Bottom | 3 | 2 | 21.9 | 8.24 | 27.47 | 91.3 | 6.82 | 10.4 | 4.1 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS7 | 07:26:48 | 1.0 | Surface | 1 | 1 | 21.83 | 8.27 | 26.87 | 93.7 | 7.03 | 3.3 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS7 | 07:27:17 | 1.0 | Surface | 1 | 2 | 21.84 | 8.26 | 26.87 | 91.8 | 6.88 | 3.4 | 2.6 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS7 | 07:27:01 | 2.3 | Bottom | 3 | 1 | 21.7 | 8.22 | 27.33 | 88.8 | 6.66 | 4.5 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS7 | 07:26:24 | 2.3 | Bottom | 3 | 2 | 21.76 | 8.25 | 27.18 | 92.3 | 6.93 | 4.5 | 2.3 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS8 | 07:03:24 | 1.0 | Surface | 1 | 1 | 21.67 | 8.26 | 27.17 | 92.3 | 6.93 | 7.3 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS8 | 07:03:58 | 1.0 | Surface | 1 | 2 | 21.67 | 8.26 | 27.18 | 91.6 | 6.88 | 7.3 | 2.6 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS8 | 07:03:41 | 3.0 | Bottom | 3 | 1 | 21.67 | 8.23 | 27.7 | 90.2 | 6.75 | 7.8 | 2.4 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS8 | 07:03:07 | 3.0 | Bottom | 3 | 2 | 21.7 | 8.25 | 27.59 | 92.1 | 6.9 | 7.7 | 2.3 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS(Mf)9 | 07:20:25 | 1.0 | Surface | 1 | 1 | 21.76 | 8.27 | 26.91 | 93.7 | 7.03 | 4.1 | 3 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS(Mf)9 | 07:20:00 | 1.0 | Surface | 1 | 2 | 21.75 | 8.27 | 26.91 | 93.7 | 7.04 | 4 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS(Mf)9 | 07:20:12 | 2.5 | Bottom | 3 | 1 | 21.71 | 8.26 | 27.09 | 93.3 | 7.01 | 4.5 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS(Mf)9 | 07:19:48 | 2.5 | Bottom | 3 | 2 | 21.69 | 8.26 | 27.14 | 93.7 | 7.04 | 4.6 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS10 | 06:58:58 | 1.0 | Surface | 1 | 1 | 21.9 | 8.09 | 24.65 | 91.6 | 6.95 | 4.4 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS10 | 06:59:53 | 1.0 | Surface | 1 | 2 | 21.83 | 8.1 | 24.75 | 89.8 | 6.82 | 4.6 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS10 | 06:58:37 | 5.2 | Middle | 2 | 1 | 21.73 | 8.12 | 26.65 | 89.5 | 6.74 | 5.2 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS10 | 06:59:39 | 5.2 | Middle | 2 | 2 | 21.13 | 8.13 | 28.81 | 87.1 | 6.55 | 5.3 | 4.1 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS10 | 06:59:20 | 9.4 | Bottom | 3 | 1 | 20.95 | 8.12 | 29.49 | 87.4 | 6.56 | 4.6 | 4.1 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | IS10 | 06:58:11 | 9.4 | Bottom | 3 | 2 | 20.94 | 8.12 | 29.5 | 87.2 | 6.55 | 4.9 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | SR3 | 07:54:31 | 0.6 | Middle | 2 | 1 | 21.98 | 8.24 | 27.4 | 91.3 | 6.81 | 3.7 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | SR3 | 07:54:18 | 0.6 | Middle | 2 | 2 | 21.98 | 8.24 | 27.39 | 91.2 | 6.8 | 3.7 | 3.9 | |

| 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | SR4 | 07:09:25 | 1.0 | Surface | 1 | 1 | 21.75 | 8.23 | 27.47 | 86.4 | 6.47 | 3.9 | 2.6 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | SR4 | 07:09:55 | 1.0 | Surface | 1 | 2 | 21.76 | 8.22 | 27.54 | 86.3 | 6.46 | 3.7 | 3 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | SR4 | 07:09:41 | 2.9 | Bottom | 3 | 1 | 21.54 | 8.22 | 27.87 | 85.5 | 6.41 | 4.6 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | SR4 | 07:09:13 | 2.9 | Bottom | 3 | 2 | 21.57 | 8.22 | 27.8 | 86.1 | 6.45 | 4.5 | 5.5 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | SR5 | 07:10:52 | 1.0 | Surface | 1 | 1 | 21.93 | 8.1 | 24.86 | 92.7 | 7.02 | 4.1 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | SR5 | 07:10:02 | 1.0 | Surface | 1 | 2 | 21.93 | 8.11 | 24.84 | 92.9 | 7.04 | 4.2 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | SR5 | 07:09:34 | 4.7 | Bottom | 3 | 1 | 21.68 | 8.11 | 27.02 | 91.1 | 6.85 | 5.4 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | SR5 | 07:10:22 | 4.7 | Bottom | 3 | 2 | 21.69 | 8.11 | 27.13 | 91.2 | 6.85 | 5.4 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | SR10A | 05:53:43 | 1.0 | Surface | 1 | 1 | 21.16 | 8.27 | 28.43 | 91 | 6.85 | 2 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | SR10A | 05:54:18 | 1.0 | Surface | 1 | 2 | 21.19 | 8.27 | 28.36 | 91 | 6.85 | 2 | 3 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | SR10A | 05:54:03 | 3.3 | Middle | 2 | 1 | 20.88 | 8.28 | 29.15 | 90.3 | 6.81 | 1.9 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | SR10A | 05:53:31 | 3.3 | Middle | 2 | 2 | 20.92 | 8.28 | 29.06 | 90.5 | 6.82 | 1.9 | 2.1 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | SR10A | 05:53:12 | 5.5 | Bottom | 3 | 1 | 20.81 | 8.27 | 29.5 | 90.3 | 6.8 | 2.1 | 2.9 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | SR10A | 05:53:53 | 5.5 | Bottom | 3 | 2 | 20.78 | 8.27 | 29.78 | 90.1 | 6.78 | 2.1 | 2.4 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | SR10B | 05:48:48 | 1.0 | Surface | 1 | 1 | 21.08 | 8.27 | 28.6 | 91.7 | 6.9 | 1.8 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | SR10B | 05:48:11 | 1.0 | Surface | 1 | 2 | 21.06 | 8.27 | 28.63 | 92.5 | 6.96 | 1.9 | 3 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | SR10B | 05:48:30 | 4.0 | Bottom | 3 | 1 | 20.83 | 8.27 | 29.45 | 91.4 | 6.88 | 1.8 | 3 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | SR10B | 05:47:51 | 4.0 | Bottom | 3 | 2 | 20.87 | 8.27 | 29.22 | 92.8 | 6.99 | 1.9 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | CS2 | 08:13:58 | 1.0 | Surface | 1 | 1 | 21.98 | 8.1 | 24.53 | 92.3 | 7 | 4.4 | 4 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | CS2 | 08:14:58 | 1.0 | Surface | 1 | 2 | 21.96 | 8.09 | 24.79 | 92 | 6.97 | 4.4 | 4.5 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | CS2 | 08:14:38 | 3.4 | Middle | 2 | 1 | 21.7 | 8.13 | 26.73 | 89.2 | 6.71 | 5.1 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | CS2 | 08:13:41 | 3.4 | Middle | 2 | 2 | 21.7 | 8.13 | 26.78 | 90.3 | 6.8 | 4.9 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | CS2 | 08:13:25 | 5.8 | Bottom | 3 | 1 | 21 | 8.12 | 29.4 | 89.1 | 6.69 | 4.8 | 4.1 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | CS2 | 08:14:23 | 5.8 | Bottom | 3 | 2 | 20.97 | 8.12 | 29.52 | 86.5 | 6.49 | 5.5 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | CS(Mf)5 | 06:29:43 | 1.0 | Surface | 1 | 1 | 21.39 | 8.28 | 27.82 | 91.3 | 6.87 | 2.1 | 2.9 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | CS(Mf)5 | 06:27:59 | 1.0 | Surface | 1 | 2 | 21.61 | 8.27 | 27.3 | 92.9 | 6.98 | 2.1 | 2.8 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | CS(Mf)5 | 06:27:37 | 6.4 | Middle | 2 | 1 | 20.79 | 8.29 | 29.43 | 89.9 | 6.78 | 2.2 | 2.4 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | CS(Mf)5 | 06:29:28 | 6.4 | Middle | 2 | 2 | 20.83 | 8.29 | 29.35 | 89.3 | 6.72 | 2.1 | 2.3 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | CS(Mf)5 | 06:29:02 | 11.7 | Bottom | 3 | 1 | 20.42 | 8.29 | 30.34 | 87.2 | 6.58 | 2.1 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-20 | Mid-Flood | Fine | CS(Mf)5 | 06:27:22 | 11.7 | Bottom | 3 | 2 | 20.49 | 8.29 | 30.28 | 89.7 | 6.76 | 2.1 | 2.4 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS5 | 11:07:42 | 1.0 | Surface | 1 | 1 | 21.36 | 8.32 | 27.94 | 95.4 | 7.17 | 7.4 | 6 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS5 | 11:07:12 | 1.0 | Surface | 1 | 2 | 21.17 | 8.33 | 28.38 | 95.1 | 7.16 | 7.4 | 6.3 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS5 | 11:07:32 | 4.0 | Middle | 2 | 1 | 20.76 | 8.33 | 29.58 | 94.1 | 7.09 | 7.2 | 5.7 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS5 | 11:07:01 | 4.0 | Middle | 2 | 2 | 20.61 | 8.34 | 29.92 | 93.7 | 7.06 | 7.5 | 5.9 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS5 | 11:07:21 | 7.0 | Bottom | 3 | 1 | 20.82 | 8.33 | 29.82 | 93.9 | 7.05 | 7.4 | 8.2 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS5 | 11:06:51 | 7.0 | Bottom | 3 | 2 | 20.73 | 8.33 | 29.94 | 93.6 | 7.04 | 7.3 | 8.6 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS(Mf)6 | 10:58:58 | 1.0 | Surface | 1 | 1 | 21.61 | 8.29 | 26.87 | 97.1 | 7.31 | 5 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS(Mf)6 | 10:59:19 | 1.0 | Surface | 1 | 2 | 21.63 | 8.29 | 26.85 | 97.3 | 7.33 | 4.9 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS(Mf)6 | 10:58:48 | 2.1 | Bottom | 3 | 1 | 21.58 | 8.29 | 26.93 | 96.9 | 7.3 | 4.7 | 5.7 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS(Mf)6 | 10:59:08 | 2.1 | Bottom | 3 | 2 | 21.6 | 8.28 | 26.96 | 97.1 | 7.31 | 4.8 | 4.7 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS7 | 10:52:25 | 1.0 | Surface | 1 | 1 | 21.45 | 8.28 | 27.56 | 96.1 | 7.23 | 3.1 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS7 | 10:53:02 | 1.0 | Surface | 1 | 2 | 21.47 | 8.28 | 27.56 | 95.8 | 7.2 | 3.1 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS7 | 10:52:13 | 2.4 | Bottom | 3 | 1 | 21.45 | 8.28 | 27.56 | 96.1 | 7.23 | 2.9 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS7 | 10:52:47 | 2.4 | Bottom | 3 | 2 | 21.44 | 8.28 | 27.57 | 95.5 | 7.18 | 3.1 | 2.8 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS8 | 10:27:57 | 1.0 | Surface | 1 | 1 | 21.16 | 8.28 | 28.61 | 89.9 | 6.76 | 4.7 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS8 | 10:27:36 | 1.0 | Surface | 1 | 2 | 21.19 | 8.27 | 28.55 | 90.4 | 6.8 | 4.8 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS8 | 10:27:19 | 3.0 | Bottom | 3 | 1 | 20.92 | 8.28 | 29.32 | 89.7 | 6.75 | 5.8 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS8 | 10:27:46 | 3.0 | Bottom | 3 | 2 | 20.96 | 8.28 | 29.25 | 89.7 | 6.75 | 5.8 | 2.9 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS(Mf)9 | 10:45:38 | 1.0 | Surface | 1 | 1 | 21.27 | 8.29 | 28.09 | 93.4 | 7.03 | 4.7 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS(Mf)9 | 10:46:09 | 1.0 | Surface | 1 | 2 | 21.25 | 8.29 | 28.08 | 93.3 | 7.03 | 4.7 | 5.4 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS(Mf)9 | 10:45:26 | 2.5 | Bottom | 3 | 1 | 21.11 | 8.28 | 28.48 | 93 | 7 | 5 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS(Mf)9 | 10:45:51 | 2.5 | Bottom | 3 | 2 | 21.09 | 8.28 | 28.55 | 92.6 | 6.97 | 5.3 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS10 | 10:00:08 | 1.0 | Surface | 1 | 1 | 20.99 | 8.16 | 29.51 | 90.5 | 6.79 | 4.5 | 5.6 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS10 | 09:59:27 | 1.0 | Surface | 1 | 2 | 20.96 | 8.16 | 29.56 | 89.9 | 6.75 | 4.7 | 5.7 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS10 | 09:59:19 | 5.7 | Middle | 2 | 1 | 20.81 | 8.16 | 29.93 | 89.1 | 6.69 | 5.3 | 5.4 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS10 | 09:59:59 | 5.7 | Middle | 2 | 2 | 20.89 | 8.17 | 29.7 | 89.5 | 6.72 | 5.2 | 5.3 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS10 | 09:59:05 | 10.4 | Bottom | 3 | 1 | 20.61 | 8.16 | 30.65 | 88.8 | 6.66 | 5.6 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | IS10 | 09:59:49 | 10.4 | Bottom | 3 | 2 | 20.66 | 8.16 | 30.49 | 88.8 | 6.66 | 5.4 | 5.8 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | SR3 | 11:12:22 | 0.6 | Middle | 2 | 1 | 22.5 | 8.26 | 26.77 | 96.2 | 7.13 | 3.4 | 2.8 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | SR3 | 11:12:32 | 0.6 | Middle | 2 | 2 | 22.41 | 8.27 | 26.76 | 95.4 | 7.09 | 3.6 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | SR4 | 10:33:14 | 1.0 | Surface | 1 | 1 | 21.25 | 8.24 | 28.34 | 86.2 | 6.48 | 3.9 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | SR4 | 10:33:41 | 1.0 | Surface | 1 | 2 | 21.26 | 8.24 | 28.57 | 86.5 | 6.49 | 3.8 | 5.5 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | SR4 | 10:33:01 | 2.5 | Bottom | 3 | 1 | 21.12 | 8.25 | 28.92 | 85.8 | 6.44 | 4.1 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | SR4 | 10:33:26 | 2.5 | Bottom | 3 | 2 | 21.19 | 8.25 | 28.82 | 86.1 | 6.46 | 4.3 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | SR5 | 10:11:22 | 1.0 | Surface | 1 | 1 | 21.2 | 8.17 | 29.35 | 93.8 | 7.02 | 5.5 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | SR5 | 10:07:55 | 1.0 | Surface | 1 | 2 | 21.19 | 8.16 | 29.25 | 92.4 | 6.92 | 5.7 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | SR5 | 10:10:09 | 4.5 | Bottom | 3 | 1 | 21.21 | 8.16 | 29.27 | 93.1 | 6.97 | 5.8 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | SR5 | 10:07:34 | 4.5 | Bottom | 3 | 2 | 20.96 | 8.16 | 30.17 | 91.6 | 6.85 | 5.9 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | SR10A | 09:16:36 | 1.0 | Surface | 1 | 1 | 20.15 | 8.33 | 31.52 | 91.1 | 6.86 | 1.9 | 1.4 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | SR10A | 09:16:01 | 1.0 | Surface | 1 | 2 | 20.16 | 8.33 | 31.5 | 91.2 | 6.87 | 1.9 | 1.5 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | SR10A | 09:15:51 | 3.2 | Middle | 2 | 1 | 20.15 | 8.33 | 31.53 | 91.1 | 6.86 | 1.9 | 2.2 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | SR10A | 09:16:26 | 3.2 | Middle | 2 | 2 | 20.14 | 8.33 | 31.55 | 91 | 6.85 | 1.9 | 2.4 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | SR10A | 09:16:15 | 5.4 | Bottom | 3 | 1 | 20.12 | 8.33 | 31.58 | 90.9 | 6.85 | 1.8 | 1.9 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | SR10A | 09:15:38 | 5.4 | Bottom | 3 | 2 | 20.14 | 8.33 | 31.56 | 91.1 | 6.86 | 1.8 | 2.2 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | SR10B | 09:10:55 | 1.0 | Surface | 1 | 1 | 20.2 | 8.31 | 31.46 | 91.5 | 6.89 | 1.7 | 1.6 | |

| 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | SR10B | 09:10:33 | 1.0 | Surface | 1 | 2 | 20.21 | 8.31 | 31.46 | 91.7 | 6.9 | 1.7 | 2.3 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | SR10B | 09:10:21 | 3.9 | Bottom | 3 | 1 | 20.18 | 8.31 | 31.53 | 91.6 | 6.89 | 1.8 | 1.8 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | SR10B | 09:10:45 | 3.9 | Bottom | 3 | 2 | 20.14 | 8.31 | 31.61 | 91.3 | 6.87 | 1.7 | 2 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | CS2 | 11:07:20 | 1.0 | Surface | 1 | 1 | 21.05 | 8.17 | 29.37 | 92 | 6.9 | 3.4 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | CS2 | 11:06:40 | 1.0 | Surface | 1 | 2 | 21.06 | 8.16 | 29.39 | 92.3 | 6.92 | 3.5 | 4.1 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | CS2 | 11:06:33 | 4.1 | Middle | 2 | 1 | 20.89 | 8.16 | 29.81 | 91.3 | 6.85 | 3.7 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | CS2 | 11:07:12 | 4.1 | Middle | 2 | 2 | 20.84 | 8.17 | 29.93 | 91 | 6.83 | 3.5 | 5.6 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | CS2 | 11:06:55 | 7.1 | Bottom | 3 | 1 | 20.58 | 8.17 | 30.93 | 90.9 | 6.82 | 3.7 | 5.2 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | CS2 | 11:06:15 | 7.1 | Bottom | 3 | 2 | 20.53 | 8.15 | 30.92 | 91.1 | 6.84 | 4.1 | 5 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | CS(Mf)5 | 09:48:44 | 1.0 | Surface | 1 | 1 | 20.4 | 8.32 | 30.71 | 90.4 | 6.81 | 3.1 | 2.1 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | CS(Mf)5 | 09:48:04 | 1.0 | Surface | 1 | 2 | 20.32 | 8.33 | 30.9 | 90.4 | 6.81 | 3.2 | 2 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | CS(Mf)5 | 09:47:49 | 6.1 | Middle | 2 | 1 | 20.15 | 8.34 | 31.5 | 89.7 | 6.76 | 3.1 | 2.4 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | CS(Mf)5 | 09:48:30 | 6.1 | Middle | 2 | 2 | 20.15 | 8.34 | 31.5 | 89.8 | 6.76 | 3.1 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | CS(Mf)5 | 09:48:19 | 11.1 | Bottom | 3 | 1 | 20.15 | 8.34 | 31.49 | 89.7 | 6.75 | 3.2 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Ebb | Fine | CS(Mf)5 | 09:47:39 | 11.1 | Bottom | 3 | 2 | 20.17 | 8.33 | 31.45 | 89.8 | 6.76 | 3.1 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS5 | 13:43:20 | 1.0 | Surface | 1 | 1 | 22.48 | 8.31 | 27.46 | 96.8 | 7.16 | 9.6 | 13.1 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS5 | 13:42:54 | 1.0 | Surface | 1 | 2 | 22.45 | 8.3 | 27.27 | 97.7 | 7.23 | 9.4 | 12 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS5 | 13:42:42 | 4.0 | Middle | 2 | 1 | 20.82 | 8.33 | 29.48 | 94.9 | 7.14 | 9.1 | 13.3 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS5 | 13:43:11 | 4.0 | Middle | 2 | 2 | 20.95 | 8.32 | 29.11 | 95.2 | 7.17 | 9.1 | 12.9 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS5 | 13:43:01 | 7.0 | Bottom | 3 | 1 | 20.58 | 8.31 | 30.43 | 96.8 | 7.28 | 8.8 | 15.5 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS5 | 13:42:33 | 7.0 | Bottom | 3 | 2 | 20.54 | 8.32 | 30.33 | 95.7 | 7.2 | 8.6 | 15.1 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS(Mf)6 | 13:50:40 | 1.0 | Surface | 1 | 1 | 22.38 | 8.27 | 26.99 | 99.2 | 7.37 | 4.5 | 5.4 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS(Mf)6 | 13:50:19 | 1.0 | Surface | 1 | 2 | 22.38 | 8.27 | 27 | 99.2 | 7.36 | 4.3 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS(Mf)6 | 13:50:07 | 2.1 | Bottom | 3 | 1 | 21.88 | 8.27 | 27.31 | 98.3 | 7.35 | 3.6 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS(Mf)6 | 13:50:29 | 2.1 | Bottom | 3 | 2 | 21.93 | 8.27 | 27.3 | 98.3 | 7.34 | 3.7 | 6 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS7 | 13:57:41 | 1.0 | Surface | 1 | 1 | 22.12 | 8.28 | 27.46 | 100 | 7.44 | 3.6 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS7 | 13:57:15 | 1.0 | Surface | 1 | 2 | 22.11 | 8.28 | 27.47 | 99.8 | 7.43 | 3.4 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS7 | 13:57:02 | 2.1 | Bottom | 3 | 1 | 22 | 8.28 | 27.59 | 99.4 | 7.4 | 3.3 | 4.1 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS7 | 13:57:30 | 2.1 | Bottom | 3 | 2 | 21.97 | 8.28 | 27.62 | 99.6 | 7.42 | 3.5 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS8 | 14:21:19 | 1.0 | Surface | 1 | 1 | 21.6 | 8.27 | 28.94 | 92.2 | 6.86 | 4.9 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS8 | 14:20:59 | 1.0 | Surface | 1 | 2 | 21.61 | 8.27 | 28.93 | 92.1 | 6.86 | 4.8 | 4.5 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS8 | 14:20:42 | 2.7 | Bottom | 3 | 1 | 21.21 | 8.28 | 29.36 | 91.3 | 6.83 | 5.3 | 5 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS8 | 14:21:10 | 2.7 | Bottom | 3 | 2 | 21.5 | 8.28 | 28.99 | 91.8 | 6.84 | 5.4 | 4.5 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS(Mf)9 | 14:04:40 | 1.0 | Surface | 1 | 1 | 21.9 | 8.28 | 28.28 | 95.5 | 7.1 | 4.6 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS(Mf)9 | 14:04:07 | 1.0 | Surface | 1 | 2 | 21.88 | 8.27 | 28.29 | 95.4 | 7.09 | 4.4 | 5.6 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS(Mf)9 | 14:04:30 | 2.6 | Bottom | 3 | 1 | 21.66 | 8.27 | 28.42 | 94.7 | 7.07 | 4.8 | 5 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS(Mf)9 | 14:03:53 | 2.6 | Bottom | 3 | 2 | 21.72 | 8.27 | 28.37 | 95 | 7.08 | 4.9 | 4.5 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS10 | 14:23:21 | 1.0 | Surface | 1 | 1 | 21.12 | 8.17 | 30.53 | 96.7 | 7.19 | 3.2 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS10 | 14:23:44 | 1.0 | Surface | 1 | 2 | 21.07 | 8.18 | 30.56 | 96.4 | 7.18 | 3.3 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS10 | 14:23:37 | 5.7 | Middle | 2 | 1 | 20.87 | 8.19 | 30.76 | 96 | 7.16 | 3.3 | 2.1 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS10 | 14:23:13 | 5.7 | Middle | 2 | 2 | 20.92 | 8.18 | 30.69 | 96.3 | 7.19 | 3.5 | 2.3 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS10 | 14:23:31 | 10.4 | Bottom | 3 | 1 | 20.97 | 8.18 | 30.75 | 95.6 | 7.12 | 3.7 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | IS10 | 14:23:07 | 10.4 | Bottom | 3 | 2 | 20.87 | 8.18 | 30.77 | 96 | 7.16 | 3.7 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | SR3 | 13:31:24 | 0.6 | Middle | 2 | 1 | 22.39 | 8.31 | 27.27 | 99.7 | 7.39 | 6.3 | 8.9 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | SR3 | 13:31:34 | 0.6 | Middle | 2 | 2 | 22.41 | 8.3 | 27.23 | 100.1 | 7.42 | 6.6 | 7.6 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | SR4 | 14:14:33 | 1.0 | Surface | 1 | 1 | 21.1 | 8.25 | 29.22 | 85.7 | 6.42 | 12.9 | 8.1 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | SR4 | 14:15:28 | 1.0 | Surface | 1 | 2 | 21.24 | 8.24 | 29.19 | 88.6 | 6.63 | 12.4 | 8.4 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | SR4 | 14:15:15 | 2.7 | Bottom | 3 | 1 | 21.23 | 8.24 | 29.16 | 92.5 | 6.92 | 12.9 | 7.6 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | SR4 | 14:14:22 | 2.7 | Bottom | 3 | 2 | 21.09 | 8.25 | 29.23 | 85.9 | 6.44 | 12.6 | 8.3 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | SR5 | 14:12:51 | 1.0 | Surface | 1 | 1 | 21.24 | 8.18 | 30.26 | 97 | 7.22 | 3.3 | 2.5 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | SR5 | 14:12:27 | 1.0 | Surface | 1 | 2 | 21.14 | 8.18 | 30.36 | 96.1 | 7.15 | 3.5 | 1.8 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | SR5 | 14:12:15 | 4.6 | Bottom | 3 | 1 | 20.84 | 8.17 | 31.1 | 94.9 | 7.08 | 3.9 | 2.2 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | SR5 | 14:12:41 | 4.6 | Bottom | 3 | 2 | 20.89 | 8.18 | 30.82 | 96 | 7.16 | 3.8 | 2.1 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | SR10A | 15:22:58 | 1.0 | Surface | 1 | 1 | 20.32 | 8.34 | 31.61 | 91.8 | 6.89 | 1.5 | 2.1 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | SR10A | 15:23:35 | 1.0 | Surface | 1 | 2 | 20.29 | 8.34 | 31.62 | 91.7 | 6.88 | 1.7 | 2.2 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | SR10A | 15:23:25 | 3.2 | Middle | 2 | 1 | 20.25 | 8.34 | 31.64 | 91.4 | 6.87 | 1.6 | 2.9 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | SR10A | 15:22:45 | 3.2 | Middle | 2 | 2 | 20.27 | 8.34 | 31.63 | 91.6 | 6.88 | 1.5 | 2.3 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | SR10A | 15:23:15 | 5.3 | Bottom | 3 | 1 | 20.25 | 8.34 | 31.64 | 91.4 | 6.87 | 1.6 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | SR10A | 15:22:32 | 5.3 | Bottom | 3 | 2 | 20.26 | 8.34 | 31.64 | 91.5 | 6.87 | 1.6 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | SR10B | 15:31:56 | 1.0 | Surface | 1 | 1 | 20.29 | 8.34 | 31.62 | 91.6 | 6.88 | 1.8 | 1.3 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | SR10B | 15:32:26 | 1.0 | Surface | 1 | 2 | 20.27 | 8.34 | 31.63 | 91.6 | 6.88 | 1.7 | 1.1 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | SR10B | 15:32:07 | 4.3 | Bottom | 3 | 1 | 20.26 | 8.34 | 31.63 | 91.4 | 6.87 | 1.8 | 1.4 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | SR10B | 15:31:41 | 4.3 | Bottom | 3 | 2 | 20.25 | 8.34 | 31.64 | 91.4 | 6.87 | 1.8 | 1.6 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | CS2 | 13:16:43 | 1.0 | Surface | 1 | 1 | 21.04 | 8.14 | 30.21 | 92.3 | 6.89 | 3.4 | 2.9 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | CS2 | 13:17:33 | 1.0 | Surface | 1 | 2 | 20.98 | 8.16 | 30.24 | 92 | 6.88 | 3.3 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | CS2 | 13:16:37 | 4.1 | Middle | 2 | 1 | 20.82 | 8.14 | 30.48 | 91.1 | 6.82 | 3.6 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | CS2 | 13:17:25 | 4.1 | Middle | 2 | 2 | 20.75 | 8.15 | 30.57 | 90.9 | 6.81 | 3.5 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | CS2 | 13:16:27 | 7.2 | Bottom | 3 | 1 | 20.51 | 8.13 | 31.19 | 90.3 | 6.77 | 3.7 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | CS2 | 13:17:10 | 7.2 | Bottom | 3 | 2 | 20.48 | 8.15 | 31.27 | 90.5 | 6.78 | 3.9 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | CS(Mf)5 | 14:53:09 | 1.0 | Surface | 1 | 1 | 21.06 | 8.32 | 30.28 | 92.7 | 6.92 | 1.8 | 2.3 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | CS(Mf)5 | 14:52:25 | 1.0 | Surface | 1 | 2 | 21.14 | 8.32 | 30.18 | 93.3 | 6.95 | 1.9 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | CS(Mf)5 | 14:52:57 | 6.7 | Middle | 2 | 1 | 20.27 | 8.33 | 31.25 | 90.1 | 6.78 | 1.7 | 2.6 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | CS(Mf)5 | 14:52:10 | 6.7 | Middle | 2 | 2 | 20.28 | 8.33 | 31.26 | 90.2 | 6.78 | 1.8 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | CS(Mf)5 | 14:51:54 | 12.4 | Bottom | 3 | 1 | 20.26 | 8.33 | 31.42 | 91.5 | 6.88 | 1.7 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-22 | Mid-Flood | Sunny | CS(Mf)5 | 14:52:44 | 12.4 | Bottom | 3 | 2 | 20.19 | 8.33 | 31.51 | 90.8 | 6.83 | 1.8 | 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS5 | 16:29:40 | 1.0 | Surface | 1 | 1 | 22.24 | 8.25 | 25.82 | 94.9 | 7.11 | 14 | 9.3 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS5 | 16:28:45 | 1.0 | Surface | 1 | 2 | 22.24 | 8.25 | 25.83 | 94.8 | 7.1 | 13.9 | 10.7 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS5 | 16:29:34 | 4.8 | Middle | 2 | 1 | 22.23 | 8.25 | 25.84 | 94.8 | 7.1 | 13.9 | 9.1 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS5 | 16:28:38 | 4.8 | Middle | 2 | 2 | 22.23 | 8.24 | 25.86 | 94.5 | 7.08 | 14 | 10.5 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS5 | 16:29:28 | 8.5 | Bottom | 3 | 1 | 22.24 | 8.25 | 25.85 | 94.9 | 7.11 | 14.5 | 9.7 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS5 | 16:28:28 | 8.5 | Bottom | 3 | 2 | 22.23 | 8.24 | 25.89 | 94.7 | 7.09 | 14.3 | 10.1 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS(Mf)6 | 16:37:35 | 1.0 | Surface | 1 | 1 | 22.19 | 8.25 | 26.46 | 93.6 | 7 | 9.9 | 16.4 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS(Mf)6 | 16:37:24 | 1.0 | Surface | 1 | 2 | 22.19 | 8.24 | 26.46 | 93.8 | 7.01 | 10.1 | 16.8 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS(Mf)6 | 16:37:16 | 2.5 | Bottom | 3 | 1 | 22.19 | 8.24 | 26.46 | 93.8 | 7.01 | 10.4 | 16.6 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS(Mf)6 | 16:37:30 | 2.5 | Bottom | 3 | 2 | 22.19 | 8.24 | 26.46 | 93.7 | 7 | 10.5 | 16.4 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS7 | 16:44:13 | 1.0 | Surface | 1 | 1 | 22.06 | 8.24 | 25.82 | 94.8 | 7.13 | 24.8 | 15.5 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS7 | 16:44:24 | 1.0 | Surface | 1 | 2 | 22.06 | 8.24 | 25.82 | 94.6 | 7.11 | 24.7 | 15.4 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS7 | 16:44:18 | 2.5 | Bottom | 3 | 1 | 22.06 | 8.24 | 25.82 | 94.7 | 7.12 | 24.6 | 15.9 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS7 | 16:44:09 | 2.5 | Bottom | 3 | 2 | 22.06 | 8.24 | 25.82 | 94.8 | 7.13 | 24.9 | 15.6 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS8 | 17:18:12 | 1.0 | Surface | 1 | 1 | 21.96 | 8.26 | 26.2 | 93.5 | 7.02 | 6.7 | 6 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS8 | 17:17:55 | 1.0 | Surface | 1 | 2 | 21.96 | 8.26 | 26.2 | 93.6 | 7.04 | 6.7 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS8 | 17:17:46 | 2.6 | Bottom | 3 | 1 | 21.96 | 8.26 | 26.22 | 93.7 | 7.04 | 6.8 | 5.8 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS8 | 17:18:02 | 2.6 | Bottom | 3 | 2 | 21.95 | 8.26 | 26.25 | 93.6 | 7.03 | 7.1 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS(Mf)9 | 16:50:57 | 1.0 | Surface | 1 | 1 | 22.09 | 8.25 | 26.43 | 94.4 | 7.07 | 9.4 | 13.1 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS(Mf)9 | 16:51:06 | 1.0 | Surface | 1 | 2 | 22.09 | 8.25 | 26.43 | 94.4 | 7.07 | 9.7 | 12.4 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS(Mf)9 | 16:50:52 | 2.5 | Bottom | 3 | 1 | 22.1 | 8.25 | 26.43 | 94.5 | 7.07 | 9.9 | 11.5 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS(Mf)9 | 16:51:01 | 2.5 | Bottom | 3 | 2 | 22.09 | 8.25 | 26.43 | 94.4 | 7.07 | 9.8 | 10.6 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS10 | 17:26:20 | 1.0 | Surface | 1 | 1 | 21.63 | 8.19 | 27.44 | 91.8 | 6.89 | 7.4 | 7.9 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS10 | 17:27:45 | 1.0 | Surface | 1 | 2 | 21.64 | 8.19 | 27.47 | 91.5 | 6.87 | 7.7 | 6.5 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS10 | 17:25:54 | 5.2 | Middle | 2 | 1 | 21.44 | 8.18 | 28.33 | 88.9 | 6.66 | 8.5 | 5.4 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS10 | 17:27:20 | 5.2 | Middle | 2 | 2 | 21.49 | 8.18 | 28.1 | 89.4 | 6.7 | 9.1 | 7.2 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS10 | 17:26:40 | 9.4 | Bottom | 3 | 1 | 21.39 | 8.17 | 28.55 | 89.1 | 6.67 | 8 | 7.7 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | IS10 | 17:25:27 | 9.4 | Bottom | 3 | 2 | 21.63 | 8.18 | 28.42 | 92.2 | 6.92 | 7.4 | 7.1 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | SR3 | 16:19:29 | 0.7 | Middle | 2 | 1 | 22.16 | 8.17 | 26.19 | 94.5 | 7.08 | 10.7 | 9.3 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | SR3 | 16:19:26 | 0.7 | Middle | 2 | 2 | 22.16 | 8.15 | 26.21 | 94.7 | 7.09 | 10.6 | 8.4 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | SR4 | 17:06:24 | 1.0 | Surface | 1 | 1 | 21.91 | 8.24 | 26.35 | 93.3 | 7.01 | 11.9 | 6.4 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | SR4 | 17:06:32 | 1.0 | Surface | 1 | 2 | 21.95 | 8.25 | 26.23 | 93.3 | 7.01 | 11.7 | 6.9 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | SR4 | 17:06:28 | 2.5 | Bottom | 3 | 1 | 21.94 | 8.24 | 26.26 | 93.1 | 7 | 13.8 | 5.5 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | SR4 | 17:06:20 | 2.5 | Bottom | 3 | 2 | 21.92 | 8.23 | 26.36 | 93.7 | 7.04 | 14.1 | 6.4 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | SR5 | 17:15:26 | 1.0 | Surface | 1 | 1 | 21.62 | 8.18 | 27.47 | 92.7 | 6.96 | 7.1 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | SR5 | 17:16:06 | 1.0 | Surface | 1 | 2 | 21.63 | 8.18 | 27.45 | 92.7 | 6.96 | 7.1 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | SR5 | 17:15:09 | 4.5 | Bottom | 3 | 1 | 21.61 | 8.18 | 27.55 | 92.4 | 6.93 | 7.1 | 4.7 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | SR5 | 17:15:44 | 4.5 | Bottom | 3 | 2 | 21.58 | 8.18 | 27.65 | 91.9 | 6.9 | 7.9 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | SR10A | 18:32:27 | 1.0 | Surface | 1 | 1 | 20.95 | 8.31 | 29.93 | 90.6 | 6.78 | 1.9 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | SR10A | 18:33:04 | 1.0 | Surface | 1 | 2 | 20.95 | 8.32 | 29.94 | 90.4 | 6.77 | 1.9 | 4.1 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | SR10A | 18:32:19 | 3.3 | Middle | 2 | 1 | 20.86 | 8.31 | 30.32 | 90.1 | 6.74 | 2.1 | 4 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | SR10A | 18:32:56 | 3.3 | Middle | 2 | 2 | 20.82 | 8.32 | 30.42 | 89.8 | 6.72 | 2.3 | 3.7 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | SR10A | 18:32:06 | 5.6 | Bottom | 3 | 1 | 20.79 | 8.31 | 30.54 | 90 | 6.74 | 2.5 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | SR10A | 18:32:41 | 5.6 | Bottom | 3 | 2 | 20.79 | 8.31 | 30.53 | 89.9 | 6.73 | 2.7 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | SR10B | 18:45:28 | 1.0 | Surface | 1 | 1 | 20.99 | 8.32 | 30 | 91.5 | 6.85 | 1.7 | 4.1 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | SR10B | 18:46:22 | 1.0 | Surface | 1 | 2 | 21.02 | 8.32 | 29.91 | 91.4 | 6.84 | 1.5 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | SR10B | 18:45:59 | 4.5 | Bottom | 3 | 1 | 20.88 | 8.32 | 30.28 | 90.9 | 6.8 | 1.7 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | SR10B | 18:44:58 | 4.5 | Bottom | 3 | 2 | 20.9 | 8.31 | 30.27 | 91.3 | 6.83 | 1.8 | 4.5 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | CS2 | 16:09:05 | 1.0 | Surface | 1 | 1 | 21.7 | 8.24 | 27.36 | 95.8 | 7.18 | 7.4 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | CS2 | 16:10:00 | 1.0 | Surface | 1 | 2 | 21.7 | 8.23 | 27.37 | 95 | 7.13 | 7.3 | 4.5 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | CS2 | 16:09:35 | 3.5 | Middle | 2 | 1 | 21.68 | 8.23 | 27.48 | 93.5 | 7.01 | 7.7 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | CS2 | 16:08:47 | 3.5 | Middle | 2 | 2 | 21.68 | 8.24 | 27.42 | 95.3 | 7.14 | 7.8 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | CS2 | 16:08:35 | 5.9 | Bottom | 3 | 1 | 21.63 | 8.24 | 27.72 | 96.7 | 7.25 | 8.6 | 5.6 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | CS2 | 16:09:25 | 5.9 | Bottom | 3 | 2 | 21.59 | 8.22 | 27.82 | 93.9 | 7.04 | 8.2 | 5 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | CS(Mf)5 | 17:55:37 | 1.0 | Surface | 1 | 1 | 21.47 | 8.29 | 28.21 | 91.8 | 6.88 | 2.9 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | CS(Mf)5 | 17:56:11 | 1.0 | Surface | 1 | 2 | 21.44 | 8.3 | 28.26 | 91.7 | 6.87 | 2.9 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | CS(Mf)5 | 17:56:05 | 6.8 | Middle | 2 | 1 | 21.36 | 8.3 | 28.43 | 90.7 | 6.8 | 3 | 5.7 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | CS(Mf)5 | 17:55:30 | 6.8 | Middle | 2 | 2 | 21.39 | 8.29 | 28.37 | 90.8 | 6.81 | 3 | 5 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | CS(Mf)5 | 17:55:55 | 12.6 | Bottom | 3 | 1 | 21.09 | 8.29 | 29.28 | 90 | 6.75 | 3 | 4.5 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Ebb | Fine | CS(Mf)5 | 17:55:20 | 12.6 | Bottom | 3 | 2 | 21.08 | 8.28 | 29.29 | 89.9 | 6.74 | 3.1 | 5.2 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS5 | 12:25:40 | 1.0 | Surface | 1 | 1 | 21.99 | 8.26 | 26.33 | 91.5 | 6.87 | 10.4 | 26 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS5 | 12:26:04 | 1.0 | Surface | 1 | 2 | 21.99 | 8.27 | 26.33 | 91.4 | 6.86 | 10.4 | 25.8 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS5 | 12:25:59 | 4.7 | Middle | 2 | 1 | 21.98 | 8.27 | 26.34 | 91.3 | 6.85 | 10.8 | 17.3 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS5 | 12:25:34 | 4.7 | Middle | 2 | 2 | 21.96 | 8.26 | 26.34 | 91.3 | 6.85 | 11.1 | 18 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS5 | 12:25:24 | 8.4 | Bottom | 3 | 1 | 21.95 | 8.26 | 26.38 | 91.2 | 6.85 | 11.4 | 10.1 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS5 | 12:25:51 | 8.4 | Bottom | 3 | 2 | 21.97 | 8.27 | 26.36 | 91.3 | 6.85 | 11.1 | 11.8 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS(Mf)6 | 12:19:20 | 1.0 | Surface | 1 | 1 | 22.22 | 8.26 | 25.74 | 94.7 | 7.1 | 15.8 | 11.8 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS(Mf)6 | 12:19:09 | 1.0 | Surface | 1 | 2 | 22.22 | 8.26 | 25.74 | 94.7 | 7.1 | 15.9 | 12 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS(Mf)6 | 12:19:04 | 2.4 | Bottom | 3 | 1 | 22.22 | 8.26 | 25.74 | 94.6 | 7.09 | 16.2 | 13.7 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS(Mf)6 | 12:19:16 | 2.4 | Bottom | 3 | 2 | 22.23 | 8.26 | 25.74 | 94.7 | 7.1 | 16.1 | 12.6 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS7 | 12:12:51 | 1.0 | Surface | 1 | 1 | 22.12 | 8.26 | 25.67 | 94.1 | 7.08 | 16 | 26.2 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS7 | 12:13:00 | 1.0 | Surface | 1 | 2 | 22.12 | 8.26 | 25.67 | 94.2 | 7.08 | 15.8 | 26.9 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS7 | 12:12:56 | 2.4 | Bottom | 3 | 1 | 22.12 | 8.26 | 25.67 | 94.1 | 7.08 | 16.5 | 31.1 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS7 | 12:12:45 | 2.4 | Bottom | 3 | 2 | 22.11 | 8.26 | 25.68 | 94.1 | 7.07 | 16.9 | 31.4 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS8 | 11:43:51 | 1.0 | Surface | 1 | 1 | 22.08 | 8.26 | 25.87 | 93.8 | 7.05 | 5.2 | 7.4 | |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS8 | 11:43:32 | 1.0 | Surface | 1 | 2 | 22.08 | 8.26 | 25.87 | 93.5 | 7.03 | 5.5 | 7.9 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS8 | 11:43:43 | 2.5 | Bottom | 3 | 1 | 22.08 | 8.26 | 25.87 | 93.8 | 7.05 | 5.8 | 6.9 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS8 | 11:43:27 | 2.5 | Bottom | 3 | 2 | 22.08 | 8.26 | 25.87 | 93.3 | 7.01 | 6 | 5.7 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS(Mf)9 | 12:06:09 | 1.0 | Surface | 1 | 1 | 22.02 | 8.25 | 25.84 | 93.2 | 7.01 | 11.5 | 7.8 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS(Mf)9 | 12:06:20 | 1.0 | Surface | 1 | 2 | 22.02 | 8.25 | 25.85 | 93.1 | 7.01 | 11.3 | 8.9 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS(Mf)9 | 12:06:15 | 2.4 | Bottom | 3 | 1 | 22.02 | 8.25 | 25.84 | 93.2 | 7.01 | 11.7 | 7.3 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS(Mf)9 | 12:06:00 | 2.4 | Bottom | 3 | 2 | 22.02 | 8.25 | 25.84 | 93.2 | 7.01 | 11.9 | 7.7 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS10 | 11:51:53 | 1.0 | Surface | 1 | 1 | 21.73 | 8.16 | 27.05 | 91.4 | 6.86 | 8.3 | 5.3 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS10 | 11:51:02 | 1.0 | Surface | 1 | 2 | 21.74 | 8.15 | 27.01 | 92.4 | 6.94 | 8.9 | 4.7 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS10 | 11:51:41 | 5.1 | Middle | 2 | 1 | 21.65 | 8.16 | 27.42 | 89.8 | 6.74 | 9.9 | 6.3 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS10 | 11:50:33 | 5.1 | Middle | 2 | 2 | 21.64 | 8.16 | 27.44 | 90.3 | 6.78 | 10.4 | 6.6 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS10 | 11:50:13 | 9.1 | Bottom | 3 | 1 | 21.46 | 8.14 | 28.16 | 89.3 | 6.69 | 13.1 | 7.1 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | IS10 | 11:51:23 | 9.1 | Bottom | 3 | 2 | 21.44 | 8.14 | 28.26 | 88.7 | 6.64 | 13.8 | 6.8 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | SR3 | 12:35:22 | 0.6 | Middle | 2 | 1 | 22.01 | 8.27 | 26.32 | 93.5 | 7.01 | 7.6 | 11.4 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | SR3 | 12:35:25 | 0.6 | Middle | 2 | 2 | 22.01 | 8.27 | 26.32 | 93.3 | 7 | 7.8 | 11.4 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | SR4 | 11:52:12 | 1.0 | Surface | 1 | 1 | 22.08 | 8.27 | 25.89 | 93.5 | 7.02 | 5.7 | 7.8 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | SR4 | 11:52:23 | 1.0 | Surface | 1 | 2 | 22.08 | 8.27 | 25.89 | 93.8 | 7.04 | 5.4 | 7 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | SR4 | 11:52:18 | 2.5 | Bottom | 3 | 1 | 22.08 | 8.27 | 25.89 | 93.6 | 7.03 | 6.1 | 7.1 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | SR4 | 11:52:02 | 2.5 | Bottom | 3 | 2 | 22.07 | 8.27 | 25.94 | 93.5 | 7.03 | 6.4 | 6.2 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | SR5 | 11:59:42 | 1.0 | Surface | 1 | 1 | 21.73 | 8.16 | 27.08 | 92.9 | 6.97 | 9 | 6.5 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | SR5 | 11:59:22 | 1.0 | Surface | 1 | 2 | 21.73 | 8.16 | 27.07 | 92.8 | 6.97 | 8.8 | 7 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | SR5 | 11:59:08 | 4.2 | Bottom | 3 | 1 | 21.7 | 8.16 | 27.24 | 92.5 | 6.94 | 9.1 | 5.2 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | SR5 | 11:59:30 | 4.2 | Bottom | 3 | 2 | 21.72 | 8.16 | 27.17 | 92.6 | 6.95 | 9.4 | 5.8 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | SR10A | 10:34:13 | 1.0 | Surface | 1 | 1 | 20.74 | 8.32 | 30.42 | 89.7 | 6.72 | 2.4 | 1.2 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | SR10A | 10:34:43 | 1.0 | Surface | 1 | 2 | 20.78 | 8.32 | 30.35 | 89.7 | 6.72 | 2.3 | 1.1 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | SR10A | 10:34:34 | 3.3 | Middle | 2 | 1 | 20.76 | 8.32 | 30.41 | 89.4 | 6.7 | 2.3 | 1.9 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | SR10A | 10:34:07 | 3.3 | Middle | 2 | 2 | 20.72 | 8.32 | 30.51 | 89.5 | 6.7 | 2.4 | 1.7 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | SR10A | 10:34:27 | 5.6 | Bottom | 3 | 1 | 20.75 | 8.32 | 30.45 | 89.4 | 6.7 | 2.5 | 2.5 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | SR10A | 10:33:59 | 5.6 | Bottom | 3 | 2 | 20.7 | 8.32 | 30.58 | 89.3 | 6.7 | 2.6 | 2.8 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | SR10B | 10:25:25 | 1.0 | Surface | 1 | 1 | 20.81 | 8.32 | 30.25 | 90 | 6.75 | 2.1 | 3.3 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | SR10B | 10:24:10 | 1.0 | Surface | 1 | 2 | 20.82 | 8.32 | 30.26 | 89.9 | 6.74 | 2.2 | 2.1 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | SR10B | 10:23:48 | 4.5 | Bottom | 3 | 1 | 20.79 | 8.32 | 30.31 | 89.7 | 6.73 | 2.3 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | SR10B | 10:24:55 | 4.5 | Bottom | 3 | 2 | 20.83 | 8.32 | 30.27 | 90 | 6.74 | 2.2 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | CS2 | 13:04:02 | 1.0 | Surface | 1 | 1 | 21.85 | 8.19 | 26.86 | 95.5 | 7.16 | 8.6 | 6.3 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | CS2 | 13:04:56 | 1.0 | Surface | 1 | 2 | 21.81 | 8.19 | 26.88 | 93.4 | 7.01 | 8.9 | 6.6 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | CS2 | 13:03:50 | 3.4 | Middle | 2 | 1 | 21.73 | 8.19 | 27.07 | 93.5 | 7.02 | 14.8 | 6.4 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | CS2 | 13:04:42 | 3.4 | Middle | 2 | 2 | 21.43 | 8.18 | 28.1 | 91 | 6.83 | 13.1 | 6.5 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | CS2 | 13:04:16 | 5.7 | Bottom | 3 | 1 | 21.47 | 8.18 | 28.08 | 93.5 | 7.01 | 15.5 | 7.6 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | CS2 | 13:03:37 | 5.7 | Bottom | 3 | 2 | 21.44 | 8.18 | 28.06 | 93 | 6.98 | 16.2 | 6.7 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | CS(Mf)5 | 11:08:16 | 1.0 | Surface | 1 | 1 | 21.24 | 8.3 | 28.89 | 89.9 | 6.74 | 3.5 | 1.9 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | CS(Mf)5 | 11:08:48 | 1.0 | Surface | 1 | 2 | 21.25 | 8.3 | 28.86 | 89.9 | 6.74 | 3.5 | 1.6 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | CS(Mf)5 | 11:08:38 | 6.8 | Middle | 2 | 1 | 21.13 | 8.31 | 29.09 | 89.4 | 6.71 | 3.5 | 2.3 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | CS(Mf)5 | 11:08:09 | 6.8 | Middle | 2 | 2 | 21.17 | 8.31 | 29.01 | 89.7 | 6.73 | 3.4 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | CS(Mf)5 | 11:08:29 | 12.5 | Bottom | 3 | 1 | 21.01 | 8.3 | 29.58 | 89.1 | 6.68 | 3.6 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-25 | Mid-Flood | Fine | CS(Mf)5 | 11:07:59 | 12.5 | Bottom | 3 | 2 | 21.01 | 8.31 | 29.51 | 89.3 | 6.7 | 3.7 | 2.5 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS5 | 14:12:00 | 1.0 | Surface | 1 | 1 | 21.06 | 8.3 | 28.64 | 91.6 | 6.9 | 10.7 | 8.4 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS5 | 14:12:34 | 1.0 | Surface | 1 | 2 | 21.05 | 8.3 | 28.64 | 91.6 | 6.9 | 10.3 | 6.8 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS5 | 14:12:21 | 4.6 | Middle | 2 | 1 | 21.03 | 8.31 | 28.74 | 91.5 | 6.89 | 11.3 | 8.9 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS5 | 14:11:50 | 4.6 | Middle | 2 | 2 | 21.04 | 8.31 | 28.72 | 91.5 | 6.89 | 11.3 | 7.7 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS5 | 14:12:09 | 8.2 | Bottom | 3 | 1 | 21.03 | 8.3 | 29 | 91.2 | 6.86 | 11.7 | 8.9 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS5 | 14:11:37 | 8.2 | Bottom | 3 | 2 | 21 | 8.3 | 29.2 | 91.3 | 6.86 | 11.4 | 9.5 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS(Mf)6 | 14:02:52 | 1.0 | Surface | 1 | 1 | 21.1 | 8.28 | 28.43 | 90.2 | 6.8 | 13.1 | 6.3 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS(Mf)6 | 14:03:13 | 1.0 | Surface | 1 | 2 | 21.1 | 8.27 | 28.5 | 89.9 | 6.77 | 12.4 | 5.7 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS(Mf)6 | 14:03:00 | 2.3 | Bottom | 3 | 1 | 21.09 | 8.27 | 28.68 | 90 | 6.77 | 13.3 | 2.7 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS(Mf)6 | 14:02:35 | 2.3 | Bottom | 3 | 2 | 21.09 | 8.27 | 28.64 | 89.8 | 6.76 | 13.2 | 3 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS7 | 13:52:38 | 1.0 | Surface | 1 | 1 | 21.04 | 8.26 | 28.36 | 91.1 | 6.88 | 11.4 | 3.2 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS7 | 13:52:59 | 1.0 | Surface | 1 | 2 | 21.07 | 8.26 | 28.24 | 90.4 | 6.82 | 10.9 | 2.9 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS7 | 13:52:46 | 2.2 | Bottom | 3 | 1 | 21.05 | 8.26 | 28.38 | 90.1 | 6.8 | 13.7 | 5.3 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS7 | 13:52:33 | 2.2 | Bottom | 3 | 2 | 21.06 | 8.26 | 28.32 | 90.7 | 6.84 | 12.8 | 5.8 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS8 | 13:10:32 | 1.0 | Surface | 1 | 1 | 21.14 | 8.27 | 27.92 | 91.3 | 6.9 | 6.9 | 6.4 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS8 | 13:10:18 | 1.0 | Surface | 1 | 2 | 21.14 | 8.27 | 27.96 | 91.2 | 6.89 | 7 | 6.3 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS8 | 13:10:23 | 2.5 | Bottom | 3 | 1 | 21.13 | 8.27 | 28.14 | 91.3 | 6.88 | 7.7 | 5.9 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS8 | 13:10:07 | 2.5 | Bottom | 3 | 2 | 21.08 | 8.27 | 28.64 | 91.2 | 6.86 | 7.5 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS(Mf)9 | 13:44:10 | 1.0 | Surface | 1 | 1 | 21.14 | 8.27 | 28.07 | 90.6 | 6.84 | 17.2 | 11.7 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS(Mf)9 | 13:44:33 | 1.0 | Surface | 1 | 2 | 21.14 | 8.27 | 28.06 | 90.5 | 6.83 | 17.9 | 11.5 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS(Mf)9 | 13:44:19 | 2.3 | Bottom | 3 | 1 | 21.13 | 8.27 | 28.1 | 90.5 | 6.83 | 18.7 | 29 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS(Mf)9 | 13:43:50 | 2.3 | Bottom | 3 | 2 | 21.13 | 8.27 | 28.11 | 90.6 | 6.83 | 17.7 | 28 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS10 | 12:28:31 | 1.0 | Surface | 1 | 1 | 21.35 | 8.13 | 26.95 | 89.8 | 6.79 | 9.1 | 7.9 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS10 | 12:26:36 | 1.0 | Surface | 1 | 2 | 21.34 | 8.12 | 26.97 | 90.9 | 6.93 | 8.8 | 6.5 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS10 | 12:28:14 | 5.7 | Middle | 2 | 1 | 21.11 | 8.15 | 28.54 | 89 | 6.7 | 17.9 | 13.1 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS10 | 12:24:07 | 5.7 | Middle | 2 | 2 | 21.02 | 8.16 | 29.1 | 88.4 | 6.65 | 17.6 | 12.6 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS10 | 12:23:44 | 10.4 | Bottom | 3 | 1 | 20.8 | 8.17 | 30.36 | 87.9 | 6.59 | 19.5 | 12.7 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | IS10 | 12:27:05 | 10.4 | Bottom | 3 | 2 | 21.04 | 8.15 | 28.97 | 90.1 | 6.77 | 19.9 | 13.3 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | SR3 | 14:17:22 | 0.8 | Middle | 2 | 1 | 21.05 | 8.3 | 28.62 | 94.4 | 7.11 | 7.9 | 15.3 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | SR3 | 14:17:18 | 0.8 | Middle | 2 | 2 | 21.05 | 8.3 | 28.62 | 94.8 | 7.14 | 7.9 | 13.7 | |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | SR4 | 13:15:30 | 1.0 | Surface | 1 | 1 | 21.11 | 8.24 | 27.95 | 87.3 | 6.59 | 9.6 | 11.2 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | SR4 | 13:15:53 | 1.0 | Surface | 1 | 2 | 21.11 | 8.24 | 27.96 | 87.3 | 6.59 | 9 | 10.2 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | SR4 | 13:15:20 | 2.6 | Bottom | 3 | 1 | 21.09 | 8.24 | 28 | 87.2 | 6.58 | 9.7 | 8.1 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | SR4 | 13:15:34 | 2.6 | Bottom | 3 | 2 | 21.11 | 8.24 | 27.96 | 87.3 | 6.59 | 9.4 | 8.8 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | SR5 | 12:39:39 | 1.0 | Surface | 1 | 1 | 21.2 | 8.14 | 28.38 | 89.4 | 6.73 | 15.4 | 6.7 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | SR5 | 12:40:10 | 1.0 | Surface | 1 | 2 | 21.22 | 8.14 | 28.39 | 89.1 | 6.7 | 16 | 6.1 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | SR5 | 12:39:56 | 4.4 | Bottom | 3 | 1 | 21.08 | 8.15 | 28.86 | 88.7 | 6.67 | 16.9 | 11.8 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | SR5 | 12:39:21 | 4.4 | Bottom | 3 | 2 | 21.1 | 8.14 | 28.88 | 89.3 | 6.71 | 17 | 11.2 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | SR10A | 11:49:00 | 1.0 | Surface | 1 | 1 | 20.5 | 8.31 | 31.51 | 89.7 | 6.71 | 2.3 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | SR10A | 11:48:34 | 1.0 | Surface | 1 | 2 | 20.5 | 8.31 | 31.5 | 89.7 | 6.72 | 2.3 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | SR10A | 11:48:53 | 3.1 | Middle | 2 | 1 | 20.49 | 8.31 | 31.51 | 89.6 | 6.7 | 2.3 | 8.1 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | SR10A | 11:48:29 | 3.1 | Middle | 2 | 2 | 20.5 | 8.31 | 31.5 | 89.7 | 6.71 | 2.5 | 7.6 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | SR10A | 11:48:45 | 5.1 | Bottom | 3 | 1 | 20.5 | 8.31 | 31.51 | 89.6 | 6.7 | 2.3 | 8.8 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | SR10A | 11:48:22 | 5.1 | Bottom | 3 | 2 | 20.5 | 8.31 | 31.5 | 89.7 | 6.71 | 2.5 | 8.1 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | SR10B | 11:42:50 | 1.0 | Surface | 1 | 1 | 20.46 | 8.3 | 31.67 | 89.8 | 6.72 | 3.8 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | SR10B | 11:42:36 | 1.0 | Surface | 1 | 2 | 20.46 | 8.3 | 31.67 | 90 | 6.73 | 3.3 | 5.6 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | SR10B | 11:42:43 | 3.8 | Bottom | 3 | 1 | 20.46 | 8.3 | 31.67 | 89.8 | 6.71 | 3.7 | 3.1 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | SR10B | 11:42:30 | 3.8 | Bottom | 3 | 2 | 20.46 | 8.3 | 31.67 | 89.9 | 6.73 | 3.2 | 3 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | CS2 | 13:58:41 | 1.0 | Surface | 1 | 1 | 21.16 | 8.16 | 27.68 | 94.2 | 7.12 | 8.3 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | CS2 | 13:57:42 | 1.0 | Surface | 1 | 2 | 21.16 | 8.15 | 27.67 | 95 | 7.18 | 8.3 | 6.1 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | CS2 | 13:58:23 | 3.4 | Middle | 2 | 1 | 20.93 | 8.22 | 29.41 | 95.5 | 7.17 | 7.8 | 9.6 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | CS2 | 13:57:20 | 3.4 | Middle | 2 | 2 | 20.9 | 8.21 | 29.48 | 97.5 | 7.33 | 7.9 | 9 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | CS2 | 13:58:06 | 5.8 | Bottom | 3 | 1 | 20.63 | 8.25 | 31.97 | 94.3 | 7.02 | 12.1 | 9.4 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | CS2 | 13:57:09 | 5.8 | Bottom | 3 | 2 | 20.7 | 8.23 | 31.85 | 98.1 | 7.3 | 11.5 | 8.4 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | CS(Mf)5 | 12:30:24 | 1.0 | Surface | 1 | 1 | 20.77 | 8.31 | 29.83 | 89.4 | 6.72 | 4 | 4 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | CS(Mf)5 | 12:29:50 | 1.0 | Surface | 1 | 2 | 20.82 | 8.31 | 29.8 | 90 | 6.76 | 4 | 2.6 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | CS(Mf)5 | 12:29:38 | 6.6 | Middle | 2 | 1 | 20.58 | 8.31 | 31.02 | 89.4 | 6.7 | 4.1 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | CS(Mf)5 | 12:30:15 | 6.6 | Middle | 2 | 2 | 20.61 | 8.31 | 30.91 | 89.2 | 6.68 | 4.6 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | CS(Mf)5 | 12:29:31 | 12.1 | Bottom | 3 | 1 | 20.61 | 8.3 | 30.99 | 88.9 | 6.66 | 4.6 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Ebb | Cloudy | CS(Mf)5 | 12:30:04 | 12.1 | Bottom | 3 | 2 | 20.62 | 8.3 | 30.94 | 88.7 | 6.65 | 4.8 | 3.6 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS5 | 17:41:36 | 1.0 | Surface | 1 | 1 | 21.16 | 8.27 | 28.27 | 91.2 | 6.87 | 10.9 | 12.1 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS5 | 17:42:11 | 1.0 | Surface | 1 | 2 | 21.17 | 8.27 | 28.21 | 91.6 | 6.9 | 10.6 | 13.4 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS5 | 17:41:28 | 4.6 | Middle | 2 | 1 | 21.15 | 8.27 | 28.34 | 90.9 | 6.85 | 10.8 | 13.2 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS5 | 17:41:56 | 4.6 | Middle | 2 | 2 | 21.14 | 8.27 | 28.33 | 90.9 | 6.84 | 11.3 | 15.3 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS5 | 17:41:16 | 8.1 | Bottom | 3 | 1 | 21.14 | 8.27 | 28.39 | 90.9 | 6.85 | 11.5 | 13.2 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS5 | 17:41:48 | 8.1 | Bottom | 3 | 2 | 21.14 | 8.27 | 28.43 | 90.7 | 6.83 | 11.4 | 14.4 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS(Mf)6 | 17:51:05 | 1.0 | Surface | 1 | 1 | 21.15 | 8.26 | 28.31 | 91 | 6.85 | 19.3 | 11.6 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS(Mf)6 | 17:50:23 | 1.0 | Surface | 1 | 2 | 21.15 | 8.26 | 28.31 | 91 | 6.86 | 18.9 | 12.7 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS(Mf)6 | 17:50:12 | 2.2 | Bottom | 3 | 1 | 21.15 | 8.26 | 28.3 | 90.8 | 6.84 | 19.2 | 11.9 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS(Mf)6 | 17:50:28 | 2.2 | Bottom | 3 | 2 | 21.15 | 8.26 | 28.31 | 90.8 | 6.84 | 19.6 | 11.6 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS7 | 17:59:16 | 1.0 | Surface | 1 | 1 | 21.15 | 8.27 | 28.24 | 91.9 | 6.93 | 11.6 | 12.1 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS7 | 17:58:40 | 1.0 | Surface | 1 | 2 | 21.14 | 8.27 | 28.27 | 91.5 | 6.9 | 12.1 | 14.3 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS7 | 17:58:22 | 2.3 | Bottom | 3 | 1 | 21.11 | 8.26 | 28.4 | 91.3 | 6.88 | 12.5 | 10.8 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS7 | 17:58:45 | 2.3 | Bottom | 3 | 2 | 21.12 | 8.26 | 28.38 | 91.2 | 6.87 | 12.1 | 11.4 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS8 | 18:24:33 | 1.0 | Surface | 1 | 1 | 21.23 | 8.27 | 27.61 | 92.8 | 7 | 5.9 | 11.1 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS8 | 18:24:15 | 1.0 | Surface | 1 | 2 | 21.23 | 8.27 | 27.62 | 92.9 | 7.01 | 5.6 | 9.9 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS8 | 18:23:56 | 2.5 | Bottom | 3 | 1 | 21.22 | 8.27 | 27.84 | 92.8 | 7 | 6.3 | 8.4 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS8 | 18:24:21 | 2.5 | Bottom | 3 | 2 | 21.22 | 8.27 | 27.8 | 92.7 | 7 | 5.9 | 6.8 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS(Mf)9 | 18:06:39 | 1.0 | Surface | 1 | 1 | 21.16 | 8.26 | 27.95 | 90.5 | 6.82 | 17.6 | 21.8 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS(Mf)9 | 18:07:00 | 1.0 | Surface | 1 | 2 | 21.15 | 8.26 | 27.98 | 90 | 6.79 | 17.7 | 21.3 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS(Mf)9 | 18:06:22 | 2.6 | Bottom | 3 | 1 | 21.11 | 8.26 | 28.34 | 90.1 | 6.8 | 17.6 | 20.3 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS(Mf)9 | 18:06:43 | 2.6 | Bottom | 3 | 2 | 21.14 | 8.26 | 28.11 | 89.8 | 6.78 | 17.9 | 18.7 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS10 | 19:04:46 | 1.0 | Surface | 1 | 1 | 21.31 | 8.15 | 27.58 | 89.8 | 6.77 | 8.6 | 8.1 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS10 | 19:03:44 | 1.0 | Surface | 1 | 2 | 21.3 | 8.15 | 27.62 | 89.9 | 6.78 | 9 | 8.4 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS10 | 19:04:28 | 5.9 | Middle | 2 | 1 | 21.2 | 8.15 | 27.93 | 89.4 | 6.75 | 13 | 7.8 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS10 | 19:03:28 | 5.9 | Middle | 2 | 2 | 21.19 | 8.15 | 27.97 | 89.7 | 6.77 | 13.9 | 6.8 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS10 | 19:04:09 | 10.7 | Bottom | 3 | 1 | 21.1 | 8.15 | 24.17 | 88.7 | 6.85 | 18.5 | 10.8 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | IS10 | 19:03:12 | 10.7 | Bottom | 3 | 2 | 21.2 | 8.15 | 28.23 | 89.3 | 6.72 | 17.7 | 10.7 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | SR3 | 17:33:39 | 1.1 | Middle | 2 | 1 | 21.13 | 8.27 | 28.48 | 91.4 | 6.88 | 13 | 17.5 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | SR3 | 17:33:20 | 1.1 | Middle | 2 | 2 | 21.13 | 8.27 | 28.5 | 92.1 | 6.93 | 13.6 | 17.7 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | SR4 | 18:19:11 | 1.0 | Surface | 1 | 1 | 21.19 | 8.26 | 27.93 | 90.5 | 6.82 | 9.1 | 7.6 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | SR4 | 18:18:48 | 1.0 | Surface | 1 | 2 | 21.19 | 8.26 | 27.95 | 90.6 | 6.83 | 8.6 | 8.3 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | SR4 | 18:18:35 | 2.4 | Bottom | 3 | 1 | 21.17 | 8.26 | 28.08 | 90.5 | 6.83 | 9.8 | 8.3 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | SR4 | 18:18:53 | 2.4 | Bottom | 3 | 2 | 21.18 | 8.26 | 28.07 | 90.4 | 6.82 | 9.4 | 6.6 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | SR5 | 18:51:52 | 1.0 | Surface | 1 | 1 | 21.29 | 8.14 | 27.62 | 90.3 | 6.81 | 10.8 | 13.7 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | SR5 | 18:52:24 | 1.0 | Surface | 1 | 2 | 21.3 | 8.14 | 27.61 | 90 | 6.79 | 11.1 | 12.9 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | SR5 | 18:51:35 | 4.0 | Bottom | 3 | 1 | 21.25 | 8.15 | 27.77 | 90.2 | 6.81 | 13.4 | 12.6 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | SR5 | 18:52:09 | 4.0 | Bottom | 3 | 2 | 21.24 | 8.15 | 27.78 | 89.9 | 6.78 | 13.3 | 11.7 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | SR10A | 19:32:49 | 1.0 | Surface | 1 | 1 | 20.76 | 8.3 | 29.98 | 89.3 | 6.71 | 4 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | SR10A | 19:32:13 | 1.0 | Surface | 1 | 2 | 20.77 | 8.3 | 29.19 | 89.4 | 6.75 | 4.1 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | SR10A | 19:32:07 | 3.1 | Middle | 2 | 1 | 20.71 | 8.3 | 30.36 | 89.2 | 6.69 | 4.3 | 4 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | SR10A | 19:32:44 | 3.1 | Middle | 2 | 2 | 20.74 | 8.3 | 30.27 | 89.1 | 6.68 | 4.1 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | SR10A | 19:32:00 | 5.2 | Bottom | 3 | 1 | 20.69 | 8.3 | 30.5 | 89.2 | 6.69 | 4.4 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | SR10A | 19:32:32 | 5.2 | Bottom | 3 | 2 | 20.74 | 8.29 | 30.25 | 89 | 6.68 | 4.5 | 5.4 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | SR10B | 19:37:32 | 1.0 | Surface | 1 | 1 | 20.52 | 8.32 | 31.38 | 89.9 | 6.73 | 4.5 | 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | SR10B | 19:37:19 | 1.0 | Surface | 1 | 2 | 20.52 | 8.32 | 31.38 | 90.5 | 6.78 | 4.5 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | SR10B | 19:37:24 | 3.8 | Bottom | 3 | 1 | 20.52 | 8.32 | 31.38 | 89.8 | 6.72 | 4.6 | 6 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | SR10B | 19:37:10 | 3.8 | Bottom | 3 | 2 | 20.52 | 8.32 | 31.38 | 90.1 | 6.75 | 4.8 | 8.2 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | CS2 | 17:37:23 | 1.0 | Surface | 1 | 1 | 21.41 | 8.12 | 26.85 | 89.7 | 6.78 | 8.6 | 6.6 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | CS2 | 17:38:10 | 1.0 | Surface | 1 | 2 | 21.41 | 8.12 | 26.87 | 93.8 | 7.07 | 8 | 6.6 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | CS2 | 17:37:09 | 3.5 | Middle | 2 | 1 | 21.31 | 8.14 | 27.58 | 90.3 | 6.81 | 11 | 5.4 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | CS2 | 17:37:55 | 3.5 | Middle | 2 | 2 | 21.31 | 8.14 | 27.55 | 88.5 | 6.68 | 9.9 | 6.3 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | CS2 | 17:37:41 | 6.0 | Bottom | 3 | 1 | 21.3 | 8.14 | 27.66 | 88.6 | 6.68 | 14.1 | 5.9 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | CS2 | 17:36:48 | 6.0 | Bottom | 3 | 2 | 21.29 | 8.14 | 27.69 | 88.1 | 6.61 | 13.9 | 6 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | CS(Mf)5 | 18:59:11 | 1.0 | Surface | 1 | 1 | 21.1 | 8.28 | 28.06 | 90.1 | 6.8 | 6.3 | 3.4 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | CS(Mf)5 | 18:59:55 | 1.0 | Surface | 1 | 2 | 21.12 | 8.28 | 28.02 | 90.3 | 6.82 | 6.6 | 3.5 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | CS(Mf)5 | 18:59:36 | 6.6 | Middle | 2 | 1 | 20.76 | 8.29 | 30 | 89.1 | 6.67 | 7.1 | 5.1 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | CS(Mf)5 | 18:58:56 | 6.6 | Middle | 2 | 2 | 20.76 | 8.29 | 30.08 | 89.4 | 6.7 | 6.8 | 4.3 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | CS(Mf)5 | 18:59:25 | 12.2 | Bottom | 3 | 1 | 20.79 | 8.28 | 30.45 | 88.6 | 6.66 | 7.1 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-27 | Mid-Flood | Cloudy | CS(Mf)5 | 18:58:43 | 12.2 | Bottom | 3 | 2 | 20.79 | 8.28 | 30.44 | 88.8 | 6.67 | 7 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS5 | 13:00:14 | 1.0 | Surface | 1 | 1 | 20.99 | 8.26 | 28.22 | 89.3 | 6.75 | 15.2 | 16.4 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS5 | 12:59:35 | 1.0 | Surface | 1 | 2 | 20.99 | 8.26 | 28.2 | 89.3 | 6.75 | 15.1 | 16.9 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS5 | 13:00:00 | 4.2 | Middle | 2 | 1 | 20.98 | 8.26 | 28.27 | 89 | 6.73 | 15.9 | 16.1 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS5 | 12:59:21 | 4.2 | Middle | 2 | 2 | 20.98 | 8.26 | 28.28 | 89.1 | 6.74 | 15.7 | 17.7 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS5 | 12:59:07 | 7.4 | Bottom | 3 | 1 | 20.97 | 8.27 | 28.33 | 89 | 6.73 | 16.8 | 16.6 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS5 | 12:59:48 | 7.4 | Bottom | 3 | 2 | 20.98 | 8.26 | 28.28 | 88.9 | 6.72 | 16.5 | 17.5 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS(Mf)6 | 13:08:54 | 1.0 | Surface | 1 | 1 | 21.19 | 8.23 | 27.66 | 89.3 | 6.74 | 6.1 | 5 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS(Mf)6 | 13:08:33 | 1.0 | Surface | 1 | 2 | 21.15 | 8.23 | 27.66 | 89.4 | 6.76 | 6.2 | 5.8 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS(Mf)6 | 13:08:44 | 2.0 | Bottom | 3 | 1 | 21.07 | 8.23 | 27.69 | 89 | 6.74 | 6.6 | 4.7 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS(Mf)6 | 13:08:22 | 2.0 | Bottom | 3 | 2 | 21.06 | 8.23 | 27.73 | 89 | 6.74 | 6.6 | 5.2 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS7 | 13:20:21 | 1.0 | Surface | 1 | 1 | 21.12 | 8.23 | 27.66 | 89 | 6.74 | 5.9 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS7 | 13:20:46 | 1.0 | Surface | 1 | 2 | 21.15 | 8.23 | 27.66 | 89 | 6.73 | 6 | 3.9 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS7 | 13:20:35 | 2.3 | Bottom | 3 | 1 | 21.04 | 8.23 | 27.77 | 88.5 | 6.71 | 6.6 | 8 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS7 | 13:20:07 | 2.3 | Bottom | 3 | 2 | 21.07 | 8.23 | 27.75 | 88.8 | 6.73 | 6.5 | 6.7 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS8 | 13:46:48 | 1.0 | Surface | 1 | 1 | 21.26 | 8.24 | 27.73 | 90 | 6.79 | 7.6 | 4.9 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS8 | 13:47:13 | 1.0 | Surface | 1 | 2 | 21.23 | 8.23 | 27.75 | 89.9 | 6.78 | 7.6 | 5.9 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS8 | 13:47:00 | 2.8 | Bottom | 3 | 1 | 21.14 | 8.23 | 27.81 | 89.8 | 6.78 | 8.5 | 5.7 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS8 | 13:46:36 | 2.8 | Bottom | 3 | 2 | 21.13 | 8.23 | 27.83 | 89.7 | 6.78 | 8.7 | 6.4 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS(Mf)9 | 13:30:08 | 1.0 | Surface | 1 | 1 | 21.13 | 8.22 | 27.67 | 88.3 | 6.68 | 18.9 | 27 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS(Mf)9 | 13:30:31 | 1.0 | Surface | 1 | 2 | 21.12 | 8.22 | 27.68 | 87.9 | 6.65 | 18.6 | 27.1 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS(Mf)9 | 13:30:22 | 2.6 | Bottom | 3 | 1 | 21.11 | 8.22 | 27.68 | 88 | 6.66 | 21.2 | 27.5 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS(Mf)9 | 13:29:58 | 2.6 | Bottom | 3 | 2 | 21.11 | 8.22 | 27.68 | 88.4 | 6.69 | 20.9 | 27.4 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS10 | 14:13:01 | 1.0 | Surface | 1 | 1 | 21.26 | 8.1 | 27.34 | 89.1 | 6.74 | 10.8 | 7 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS10 | 14:11:44 | 1.0 | Surface | 1 | 2 | 21.23 | 8.11 | 27.42 | 89.5 | 6.77 | 11.3 | 7.1 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS10 | 14:12:28 | 5.7 | Middle | 2 | 1 | 20.87 | 8.15 | 28.95 | 88.8 | 6.7 | 15.6 | 6.6 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS10 | 14:11:28 | 5.7 | Middle | 2 | 2 | 20.85 | 8.16 | 29.1 | 89 | 6.71 | 15.1 | 8 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS10 | 14:12:03 | 10.3 | Bottom | 3 | 1 | 20.85 | 8.16 | 29.26 | 88.4 | 6.66 | 20.5 | 7.2 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | IS10 | 14:11:09 | 10.3 | Bottom | 3 | 2 | 20.85 | 8.15 | 29.26 | 88.3 | 6.65 | 21.6 | 7.6 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | SR3 | 12:53:30 | 0.8 | Middle | 2 | 1 | 21.1 | 8.25 | 27.79 | 89.6 | 6.77 | 8.2 | 5.5 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | SR3 | 12:53:22 | 0.8 | Middle | 2 | 2 | 21.12 | 8.25 | 27.79 | 90.1 | 6.81 | 8.1 | 6.1 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | SR4 | 13:41:20 | 1.0 | Surface | 1 | 1 | 21.2 | 8.2 | 27.3 | 86.1 | 6.52 | 7.8 | 8.5 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | SR4 | 13:40:30 | 1.0 | Surface | 1 | 2 | 21.17 | 8.2 | 27.34 | 87.1 | 6.59 | 8.1 | 7.7 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | SR4 | 13:40:15 | 2.7 | Bottom | 3 | 1 | 21.14 | 8.2 | 27.37 | 88.2 | 6.67 | 7.9 | 10.1 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | SR4 | 13:41:07 | 2.7 | Bottom | 3 | 2 | 21.13 | 8.2 | 27.36 | 86.3 | 6.54 | 7.9 | 9.5 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | SR5 | 13:56:53 | 1.0 | Surface | 1 | 1 | 21.26 | 8.09 | 27.34 | 89.2 | 6.74 | 8.2 | 8.3 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | SR5 | 13:57:31 | 1.0 | Surface | 1 | 2 | 21.25 | 8.09 | 27.41 | 89.1 | 6.74 | 8.1 | 7.5 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | SR5 | 13:57:13 | 3.9 | Bottom | 3 | 1 | 21.21 | 8.1 | 27.7 | 89.1 | 6.73 | 7.8 | 7.9 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | SR5 | 13:56:36 | 3.9 | Bottom | 3 | 2 | 21.23 | 8.1 | 27.67 | 89 | 6.72 | 7.8 | 6.9 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | SR10A | 14:50:36 | 1.0 | Surface | 1 | 1 | 21.11 | 8.27 | 29.07 | 89.6 | 6.73 | 4.5 | 4.1 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | SR10A | 14:51:14 | 1.0 | Surface | 1 | 2 | 21.14 | 8.27 | 28.99 | 89.8 | 6.74 | 4.4 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | SR10A | 14:51:03 | 3.2 | Middle | 2 | 1 | 21.04 | 8.27 | 29.26 | 89.3 | 6.7 | 4.7 | 4.8 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | SR10A | 14:50:21 | 3.2 | Middle | 2 | 2 | 20.95 | 8.27 | 29.53 | 89 | 6.68 | 4.7 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | SR10A | 14:50:12 | 5.3 | Bottom | 3 | 1 | 20.95 | 8.27 | 29.63 | 89 | 6.68 | 4.7 | 5.4 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | SR10A | 14:50:52 | 5.3 | Bottom | 3 | 2 | 21.01 | 8.27 | 29.37 | 89.2 | 6.69 | 4.5 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | SR10B | 14:59:07 | 1.0 | Surface | 1 | 1 | 21 | 8.27 | 29.56 | 89.3 | 6.7 | 4.8 | 5.7 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | SR10B | 14:58:46 | 1.0 | Surface | 1 | 2 | 21 | 8.27 | 29.56 | 89.6 | 6.72 | 5.1 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | SR10B | 14:58:35 | 3.8 | Bottom | 3 | 1 | 21.01 | 8.27 | 29.54 | 89.7 | 6.72 | 5 | 5.8 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | SR10B | 14:58:56 | 3.8 | Bottom | 3 | 2 | 21 | 8.27 | 29.55 | 89.3 | 6.7 | 4.9 | 4.5 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | CS2 | 12:42:32 | 1.0 | Surface | 1 | 1 | 21.3 | 8.07 | 27.22 | 89.7 | 6.79 | 8 | 8.2 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | CS2 | 12:41:39 | 1.0 | Surface | 1 | 2 | 21.29 | 8.04 | 27.29 | 90 | 6.8 | 8.4 | 7 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | CS2 | 12:41:17 | 3.3 | Middle | 2 | 1 | 21.22 | 8.02 | 27.46 | 90.6 | 6.85 | 11.9 | 7.6 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | CS2 | 12:42:15 | 3.3 | Middle | 2 | 2 | 21.25 | 8.07 | 27.49 | 89.8 | 6.78 | 12.3 | 7.8 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | CS2 | 12:41:56 | 5.6 | Bottom | 3 | 1 | 21.23 | 8.06 | 27.6 | 89.5 | 6.76 | 13.5 | 6.8 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | CS2 | 12:41:02 | 5.6 | Bottom | 3 | 2 | 20.95 | 8 | 29.5 | 90 | 6.76 | 13.8 | 8.3 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | CS(Mf)5 | 14:27:26 | 1.0 | Surface | 1 | 1 | 21.03 | 8.25 | 28.3 | 88 | 6.65 | 11.3 | 8.2 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | CS(Mf)5 | 14:28:11 | 1.0 | Surface | 1 | 2 | 21.04 | 8.25 | 28.29 | 88.1 | 6.65 | 11.3 | 8.1 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | CS(Mf)5 | 14:27:56 | 6.3 | Middle | 2 | 1 | 20.9 | 8.26 | 29.24 | 87.1 | 6.56 | 14.4 | 8.8 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | CS(Mf)5 | 14:27:12 | 6.3 | Middle | 2 | 2 | 20.88 | 8.26 | 29.33 | 87 | 6.55 | 14.3 | 8.4 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | CS(Mf)5 | 14:27:42 | 11.5 | Bottom | 3 | 1 | 20.79 | 8.26 | 29.76 | 86.9 | 6.53 | 14.4 | 8.2 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Ebb | Rainy | CS(Mf)5 | 14:26:59 | 11.5 | Bottom | 3 | 2 | 20.8 | 8.26 | 29.76 | 86.9 | 6.53 | 14.9 | 8.5 | |

| 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS5 | 08:21:18 | 1.0 | Surface | 1 | 1 | 20.92 | 8.23 | 27.81 | 88.7 | 6.73 | 14 | 14 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS5 | 08:21:57 | 1.0 | Surface | 1 | 2 | 20.92 | 8.23 | 27.81 | 88.7 | 6.73 | 14.5 | 13.1 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS5 | 08:21:02 | 4.4 | Middle | 2 | 1 | 20.91 | 8.23 | 27.82 | 88.4 | 6.71 | 15.5 | 13.7 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS5 | 08:21:40 | 4.4 | Middle | 2 | 2 | 20.91 | 8.23 | 27.81 | 88.3 | 6.7 | 15.6 | 15.1 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS5 | 08:21:31 | 7.8 | Bottom | 3 | 1 | 20.92 | 8.23 | 27.81 | 88.3 | 6.7 | 16.6 | 16 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS5 | 08:20:45 | 7.8 | Bottom | 3 | 2 | 20.91 | 8.23 | 27.82 | 88.4 | 6.71 | 16.8 | 16 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS(Mf)6 | 08:12:33 | 1.0 | Surface | 1 | 1 | 20.96 | 8.24 | 27.97 | 89.6 | 6.79 | 9.3 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS(Mf)6 | 08:12:59 | 1.0 | Surface | 1 | 2 | 20.96 | 8.24 | 27.97 | 89.4 | 6.77 | 9.6 | 6 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS(Mf)6 | 08:12:21 | 2.3 | Bottom | 3 | 1 | 20.95 | 8.23 | 27.99 | 89.8 | 6.8 | 11.5 | 5.3 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS(Mf)6 | 08:12:48 | 2.3 | Bottom | 3 | 2 | 20.94 | 8.23 | 27.99 | 89.4 | 6.78 | 11.3 | 6.2 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS7 | 08:06:15 | 1.0 | Surface | 1 | 1 | 21.04 | 8.23 | 27.52 | 89 | 6.75 | 9.5 | 9.2 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS7 | 08:06:39 | 1.0 | Surface | 1 | 2 | 21.06 | 8.23 | 27.46 | 89.1 | 6.75 | 9.2 | 8.6 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS7 | 08:06:00 | 2.4 | Bottom | 3 | 1 | 20.98 | 8.23 | 27.78 | 89 | 6.75 | 11.7 | 8.2 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS7 | 08:06:23 | 2.4 | Bottom | 3 | 2 | 21 | 8.23 | 27.7 | 88.9 | 6.74 | 11.6 | 6.9 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS8 | 07:43:51 | 1.0 | Surface | 1 | 1 | 21.02 | 8.23 | 27.58 | 88.2 | 6.69 | 18.5 | 19.1 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS8 | 07:43:28 | 1.0 | Surface | 1 | 2 | 21.02 | 8.23 | 27.58 | 88.4 | 6.7 | 18.7 | 17.6 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS8 | 07:43:18 | 3.2 | Bottom | 3 | 1 | 21.01 | 8.23 | 27.58 | 88.3 | 6.7 | 19.4 | 19.1 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS8 | 07:43:39 | 3.2 | Bottom | 3 | 2 | 21.01 | 8.23 | 27.58 | 88.2 | 6.69 | 19.5 | 18.1 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS(Mf)9 | 08:00:05 | 1.0 | Surface | 1 | 1 | 21.05 | 8.23 | 27.67 | 88.5 | 6.7 | 14.1 | 16.3 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS(Mf)9 | 08:00:26 | 1.0 | Surface | 1 | 2 | 21.03 | 8.23 | 27.69 | 88.2 | 6.68 | 14.6 | 14.3 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS(Mf)9 | 07:59:50 | 2.6 | Bottom | 3 | 1 | 21.01 | 8.23 | 27.73 | 88.5 | 6.7 | 15.2 | 11.7 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS(Mf)9 | 08:00:17 | 2.6 | Bottom | 3 | 2 | 21.01 | 8.23 | 27.73 | 88.2 | 6.69 | 15.3 | 14.1 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS10 | 07:51:07 | 1.0 | Surface | 1 | 1 | 20.98 | 8.11 | 28 | 87.6 | 6.63 | 18.7 | 10.9 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS10 | 07:52:21 | 1.0 | Surface | 1 | 2 | 21.01 | 8.11 | 27.89 | 87.6 | 6.63 | 19.5 | 11.6 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS10 | 07:51:49 | 5.8 | Middle | 2 | 1 | 20.96 | 8.11 | 28.11 | 87.4 | 6.62 | 21.4 | 12.7 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS10 | 07:50:42 | 5.8 | Middle | 2 | 2 | 20.95 | 8.11 | 28.13 | 87.3 | 6.6 | 20.2 | 12.4 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS10 | 07:50:26 | 10.6 | Bottom | 3 | 1 | 20.95 | 8.11 | 28.13 | 86.7 | 6.56 | 22.8 | 15.3 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | IS10 | 07:51:29 | 10.6 | Bottom | 3 | 2 | 20.95 | 8.11 | 28.13 | 87.1 | 6.59 | 23.9 | 14.5 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | SR3 | 08:29:38 | 0.7 | Middle | 2 | 1 | 20.92 | 8.23 | 27.82 | 88.7 | 6.73 | 13.3 | 15.4 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | SR3 | 08:29:49 | 0.7 | Middle | 2 | 2 | 20.92 | 8.23 | 27.81 | 88.7 | 6.73 | 13.6 | 13.8 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | SR4 | 07:49:34 | 1.0 | Surface | 1 | 1 | 21.01 | 8.22 | 27.38 | 88.2 | 6.7 | 17.3 | 8.1 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | SR4 | 07:49:11 | 1.0 | Surface | 1 | 2 | 21.01 | 8.22 | 27.39 | 88.5 | 6.72 | 17.3 | 10.1 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | SR4 | 07:48:59 | 2.9 | Bottom | 3 | 1 | 21 | 8.22 | 27.41 | 88.7 | 6.73 | 20.5 | 9.5 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | SR4 | 07:49:22 | 2.9 | Bottom | 3 | 2 | 21 | 8.22 | 27.41 | 88.2 | 6.7 | 19.4 | 9.5 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | SR5 | 08:03:25 | 1.0 | Surface | 1 | 1 | 21.03 | 8.11 | 27.76 | 87.4 | 6.62 | 21.7 | 45 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | SR5 | 08:02:45 | 1.0 | Surface | 1 | 2 | 21.09 | 8.1 | 27.43 | 87.4 | 6.62 | 20.5 | 42.7 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | SR5 | 08:02:18 | 4.0 | Bottom | 3 | 1 | 21.01 | 8.11 | 27.87 | 87.3 | 6.61 | 22.5 | 26.1 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | SR5 | 08:03:04 | 4.0 | Bottom | 3 | 2 | 21.03 | 8.11 | 27.8 | 87.1 | 6.6 | 23 | 25.8 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | SR10A | 06:45:23 | 1.0 | Surface | 1 | 1 | 20.7 | 8.25 | 30.09 | 87.8 | 6.6 | 5.6 | 6 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | SR10A | 06:46:03 | 1.0 | Surface | 1 | 2 | 20.7 | 8.25 | 30.11 | 87.7 | 6.59 | 5.4 | 6.4 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | SR10A | 06:45:50 | 3.3 | Middle | 2 | 1 | 20.68 | 8.25 | 30.23 | 87.5 | 6.58 | 5.9 | 6.6 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | SR10A | 06:45:09 | 3.3 | Middle | 2 | 2 | 20.67 | 8.25 | 30.27 | 87.5 | 6.58 | 6.1 | 6.9 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | SR10A | 06:45:36 | 5.5 | Bottom | 3 | 1 | 20.66 | 8.25 | 30.39 | 87.4 | 6.56 | 6.3 | 5.9 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | SR10A | 06:44:58 | 5.5 | Bottom | 3 | 2 | 20.66 | 8.25 | 30.39 | 87.5 | 6.57 | 6.1 | 7.1 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | SR10B | 06:39:40 | 1.0 | Surface | 1 | 1 | 20.56 | 8.23 | 31 | 87.8 | 6.58 | 10.3 | 15.4 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | SR10B | 06:40:01 | 1.0 | Surface | 1 | 2 | 20.57 | 8.24 | 31 | 87.7 | 6.57 | 10.6 | 15.4 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | SR10B | 06:39:30 | 4.2 | Bottom | 3 | 1 | 20.57 | 8.23 | 31.01 | 87.8 | 6.58 | 10.9 | 15.5 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | SR10B | 06:39:51 | 4.2 | Bottom | 3 | 2 | 20.56 | 8.24 | 31 | 87.6 | 6.57 | 10.5 | 16.5 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | CS2 | 09:12:14 | 1.0 | Surface | 1 | 1 | 21.09 | 8.12 | 27.77 | 87.6 | 6.63 | 13 | 12 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | CS2 | 09:11:21 | 1.0 | Surface | 1 | 2 | 21.1 | 8.12 | 27.76 | 87.5 | 6.62 | 12.6 | 12.7 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | CS2 | 09:11:02 | 3.5 | Middle | 2 | 1 | 21.01 | 8.12 | 27.84 | 87.1 | 6.6 | 15.3 | 13 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | CS2 | 09:11:59 | 3.5 | Middle | 2 | 2 | 20.98 | 8.13 | 28.19 | 87.3 | 6.6 | 15.9 | 12.5 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | CS2 | 09:11:44 | 5.9 | Bottom | 3 | 1 | 20.96 | 8.13 | 28.45 | 87.1 | 6.58 | 18.3 | 12.8 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | CS2 | 09:10:39 | 5.9 | Bottom | 3 | 2 | 20.96 | 8.13 | 28.5 | 87.1 | 6.58 | 17.7 | 13.5 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | CS(Mf)5 | 07:15:18 | 1.0 | Surface | 1 | 1 | 20.87 | 8.26 | 29.05 | 88.2 | 6.65 | 6.6 | 4.2 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | CS(Mf)5 | 07:16:05 | 1.0 | Surface | 1 | 2 | 20.91 | 8.26 | 28.88 | 88.5 | 6.67 | 6.4 | 4.4 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | CS(Mf)5 | 07:15:48 | 6.3 | Middle | 2 | 1 | 20.72 | 8.26 | 29.98 | 87.3 | 6.56 | 8.7 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | CS(Mf)5 | 07:15:03 | 6.3 | Middle | 2 | 2 | 20.72 | 8.26 | 29.99 | 87.3 | 6.56 | 8.8 | 3.8 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | CS(Mf)5 | 07:14:52 | 11.5 | Bottom | 3 | 1 | 20.72 | 8.26 | 30.01 | 87.2 | 6.55 | 9.8 | 4.6 | |
| HKLR | HY/2011/03 | 2013-03-29 | Mid-Flood | Fine | CS(Mf)5 | 07:15:34 | 11.5 | Bottom | 3 | 2 | 20.73 | 8.26 | 29.97 | 87.3 | 6.57 | 9.6 | 3.9 | |

| 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS5 | 15:21:47 | 1.0 | Surface | 1 | 1 | 20.89 | 8.3 | 27.93 | 93 | 7.05 | 6.9 | 4.2 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS5 | 15:20:43 | 1.0 | Surface | 1 | 2 | 20.86 | 8.31 | 27.95 | 92.9 | 7.04 | 6.9 | 4.3 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS5 | 15:21:26 | 4.8 | Middle | 2 | 1 | 20.78 | 8.32 | 28.75 | 92.6 | 7.01 | 7 | 5.3 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS5 | 15:20:25 | 4.8 | Middle | 2 | 2 | 20.77 | 8.32 | 28.82 | 92.5 | 7 | 7.5 | 4.2 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS5 | 15:20:07 | 8.6 | Bottom | 3 | 1 | 20.73 | 8.32 | 29.09 | 92.4 | 6.99 | 8.5 | 4.6 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS5 | 15:21:05 | 8.6 | Bottom | 3 | 2 | 20.72 | 8.32 | 29.05 | 92.4 | 6.98 | 8.4 | 4.9 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS(Mf)6 | 15:29:20 | 1.0 | Surface | 1 | 1 | 20.86 | 8.23 | 26.69 | 92 | 7.03 | 17.7 | 3.7 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS(Mf)6 | 15:29:55 | 1.0 | Surface | 1 | 2 | 20.86 | 8.23 | 26.65 | 91.8 | 7.02 | 18.5 | 3.9 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS(Mf)6 | 15:29:38 | 2.3 | Bottom | 3 | 1 | 20.85 | 8.22 | 27.23 | 91.9 | 7.02 | 19.6 | 3.8 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS(Mf)6 | 15:29:02 | 2.3 | Bottom | 3 | 2 | 20.85 | 8.23 | 27.22 | 92 | 7.02 | 18.7 | 3.7 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS7 | 15:37:37 | 1.0 | Surface | 1 | 1 | 20.99 | 8.22 | 26.54 | 93.4 | 7.13 | 6.3 | 8.8 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS7 | 15:38:18 | 1.0 | Surface | 1 | 2 | 20.99 | 8.22 | 26.54 | 93.2 | 7.12 | 6.1 | 8.3 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS7 | 15:37:59 | 2.4 | Bottom | 3 | 1 | 20.98 | 8.22 | 26.55 | 93.2 | 7.12 | 6.7 | 6 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS7 | 15:37:20 | 2.4 | Bottom | 3 | 2 | 20.98 | 8.22 | 26.55 | 93.3 | 7.12 | 6.5 | 7.8 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS8 | 16:06:00 | 1.0 | Surface | 1 | 1 | 20.92 | 8.21 | 26.66 | 91.4 | 6.98 | 7.3 | 1.4 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS8 | 16:06:42 | 1.0 | Surface | 1 | 2 | 20.91 | 8.21 | 26.67 | 91.1 | 6.96 | 7.4 | 1 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS8 | 16:05:40 | 2.6 | Bottom | 3 | 1 | 20.97 | 8.21 | 27.02 | 91.5 | 6.97 | 7.5 | 1.2 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS8 | 16:06:22 | 2.6 | Bottom | 3 | 2 | 20.95 | 8.21 | 27.03 | 91.3 | 6.95 | 7.7 | 1.6 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS(Mf)9 | 15:46:29 | 1.0 | Surface | 1 | 1 | 20.97 | 8.22 | 26.71 | 91.8 | 7 | 8.2 | 2.6 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS(Mf)9 | 15:47:19 | 1.0 | Surface | 1 | 2 | 20.98 | 8.22 | 26.73 | 91.7 | 6.99 | 8.5 | 2.2 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS(Mf)9 | 15:46:58 | 2.4 | Bottom | 3 | 1 | 20.96 | 8.22 | 26.74 | 91.5 | 6.98 | 9.8 | 7.6 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS(Mf)9 | 15:46:11 | 2.4 | Bottom | 3 | 2 | 20.95 | 8.22 | 26.73 | 92.1 | 7.02 | 10 | 8.6 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS10 | 16:00:47 | 1.0 | Surface | 1 | 1 | 20.88 | 8.11 | 27.52 | 91.4 | 6.95 | 11.1 | 8.6 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS10 | 16:01:18 | 1.0 | Surface | 1 | 2 | 20.91 | 8.11 | 27.42 | 91.6 | 6.96 | 10.8 | 8.5 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS10 | 16:01:12 | 5.6 | Middle | 2 | 1 | 20.79 | 8.12 | 27.87 | 91.1 | 6.93 | 11.7 | 7.4 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS10 | 16:00:42 | 5.6 | Middle | 2 | 2 | 20.78 | 8.12 | 27.94 | 91.1 | 6.93 | 11.9 | 8.9 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS10 | 16:00:36 | 10.2 | Bottom | 3 | 1 | 20.78 | 8.12 | 28.23 | 91 | 6.9 | 12.1 | 7.6 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | IS10 | 16:01:07 | 10.2 | Bottom | 3 | 2 | 20.77 | 8.12 | 28.26 | 91 | 6.9 | 11.9 | 7.3 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | SR3 | 15:05:19 | 0.7 | Middle | 2 | 1 | 21.07 | 8.28 | 26.96 | 92.4 | 7.02 | 7.7 | 8.3 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | SR3 | 15:05:05 | 0.7 | Middle | 2 | 2 | 21.07 | 8.28 | 26.97 | 92.5 | 7.03 | 7.7 | 7.6 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | SR4 | 15:56:52 | 1.0 | Surface | 1 | 1 | 21 | 8.2 | 26.16 | 92.2 | 7.05 | 6.9 | 7.7 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | SR4 | 15:57:36 | 1.0 | Surface | 1 | 2 | 21 | 8.2 | 26.19 | 91.9 | 7.03 | 7.2 | 7.1 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | SR4 | 15:56:31 | 2.4 | Bottom | 3 | 1 | 21.02 | 8.2 | 26.23 | 92.3 | 7.06 | 7.6 | 7.5 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | SR4 | 15:57:15 | 2.4 | Bottom | 3 | 2 | 20.97 | 8.2 | 26.29 | 91.8 | 7.02 | 7.7 | 6.9 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | SR5 | 15:52:48 | 1.0 | Surface | 1 | 1 | 21.13 | 8.08 | 28.1 | 88.9 | 6.71 | 14.5 | 13.3 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | SR5 | 15:53:04 | 1.0 | Surface | 1 | 2 | 21.12 | 8.08 | 28.09 | 89 | 6.72 | 14.2 | 12.9 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | SR5 | 15:52:41 | 4.5 | Bottom | 3 | 1 | 21.11 | 8.08 | 28.14 | 88.9 | 6.71 | 14.6 | 13.9 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | SR5 | 15:52:57 | 4.5 | Bottom | 3 | 2 | 21.13 | 8.08 | 28.1 | 89 | 6.72 | 14.4 | 13.1 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | SR10A | 17:04:39 | 1.0 | Surface | 1 | 1 | 20.86 | 8.26 | 28.38 | 90.1 | 6.81 | 3.5 | 5.1 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | SR10A | 17:05:43 | 1.0 | Surface | 1 | 2 | 20.89 | 8.25 | 28.27 | 90.8 | 6.87 | 3.7 | 5.3 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | SR10A | 17:05:24 | 3.1 | Middle | 2 | 1 | 20.83 | 8.26 | 29.43 | 90.3 | 6.82 | 4.6 | 4.8 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | SR10A | 17:04:21 | 3.1 | Middle | 2 | 2 | 20.81 | 8.26 | 29.42 | 89.8 | 6.78 | 4.2 | 4 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | SR10A | 17:05:06 | 5.2 | Bottom | 3 | 1 | 20.67 | 8.26 | 29.64 | 89.8 | 6.77 | 5.3 | 6.7 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | SR10A | 17:04:00 | 5.2 | Bottom | 3 | 2 | 20.68 | 8.26 | 29.69 | 89.7 | 6.75 | 4.9 | 6.1 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | SR10B | 17:16:42 | 1.0 | Surface | 1 | 1 | 20.75 | 8.26 | 29.43 | 89.6 | 6.76 | 4 | 4.7 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | SR10B | 17:17:23 | 1.0 | Surface | 1 | 2 | 20.74 | 8.26 | 29.44 | 89.3 | 6.73 | 4.3 | 6.1 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | SR10B | 17:17:04 | 4.4 | Bottom | 3 | 1 | 20.73 | 8.26 | 29.46 | 89.3 | 6.73 | 4.6 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | SR10B | 17:16:21 | 4.4 | Bottom | 3 | 2 | 20.75 | 8.26 | 29.44 | 89.6 | 6.76 | 4.4 | 6.2 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | CS2 | 14:55:54 | 1.0 | Surface | 1 | 1 | 21.01 | 8.05 | 27.13 | 92.8 | 7.06 | 7.1 | 6.3 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | CS2 | 14:56:16 | 1.0 | Surface | 1 | 2 | 21 | 8.07 | 27.11 | 92.8 | 7.06 | 6.9 | 6.9 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | CS2 | 14:56:10 | 4.1 | Middle | 2 | 1 | 20.9 | 8.08 | 27.19 | 92.6 | 7.05 | 7.3 | 6 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | CS2 | 14:55:48 | 4.1 | Middle | 2 | 2 | 20.92 | 8.06 | 27.36 | 92.5 | 7.03 | 7.2 | 6.2 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | CS2 | 14:55:42 | 7.2 | Bottom | 3 | 1 | 20.9 | 8.05 | 27.56 | 92.3 | 7.01 | 7.4 | 6.2 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | CS2 | 14:56:04 | 7.2 | Bottom | 3 | 2 | 20.94 | 8.07 | 28.14 | 92.3 | 6.99 | 7.6 | 6.5 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | CS(Mf)5 | 16:41:35 | 1.0 | Surface | 1 | 1 | 20.82 | 8.25 | 28 | 89.1 | 6.77 | 5.6 | 7.3 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | CS(Mf)5 | 16:42:47 | 1.0 | Surface | 1 | 2 | 20.81 | 8.25 | 28.03 | 89.2 | 6.78 | 5.6 | 7.7 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | CS(Mf)5 | 16:41:15 | 6.7 | Middle | 2 | 1 | 20.76 | 8.25 | 28.97 | 87.9 | 6.64 | 7.1 | 8.4 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | CS(Mf)5 | 16:42:25 | 6.7 | Middle | 2 | 2 | 20.75 | 8.26 | 28.99 | 87.9 | 6.64 | 7.3 | 7.9 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | CS(Mf)5 | 16:40:59 | 12.4 | Bottom | 3 | 1 | 20.61 | 8.25 | 29.71 | 87.6 | 6.61 | 7.4 | 7.9 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Ebb | Sunny | CS(Mf)5 | 16:42:02 | 12.4 | Bottom | 3 | 2 | 20.59 | 8.25 | 29.72 | 87.2 | 6.58 | 7.5 | 7.8 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS5 | 09:58:41 | 1.0 | Surface | 1 | 1 | 20.59 | 8.19 | 26.5 | 90.2 | 6.94 | 9.8 | 9.8 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS5 | 09:57:46 | 1.0 | Surface | 1 | 2 | 20.59 | 8.19 | 26.48 | 90.5 | 6.96 | 9.9 | 10.1 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS5 | 09:58:23 | 4.8 | Middle | 2 | 1 | 20.62 | 8.19 | 26.54 | 89.7 | 6.89 | 10 | 9.6 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS5 | 09:57:26 | 4.8 | Middle | 2 | 2 | 20.62 | 8.19 | 26.55 | 89.5 | 6.88 | 10 | 10.5 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS5 | 09:57:04 | 8.6 | Bottom | 3 | 1 | 20.66 | 8.18 | 26.59 | 89.8 | 6.89 | 10.4 | 9.7 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS5 | 09:58:03 | 8.6 | Bottom | 3 | 2 | 20.65 | 8.19 | 26.59 | 89.8 | 6.9 | 10.2 | 10.7 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS(Mf)6 | 09:45:24 | 1.0 | Surface | 1 | 1 | 20.63 | 8.2 | 26.53 | 92.3 | 7.09 | 9.7 | 10.1 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS(Mf)6 | 09:46:06 | 1.0 | Surface | 1 | 2 | 20.63 | 8.2 | 26.53 | 92.3 | 7.09 | 9.7 | 11.1 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS(Mf)6 | 09:45:47 | 2.4 | Bottom | 3 | 1 | 20.63 | 8.2 | 26.53 | 92.2 | 7.09 | 10.7 | 11.7 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS(Mf)6 | 09:45:05 | 2.4 | Bottom | 3 | 2 | 20.63 | 8.2 | 26.53 | 92.3 | 7.09 | 10.9 | 11.2 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS7 | 09:36:39 | 1.0 | Surface | 1 | 1 | 20.69 | 8.2 | 26.71 | 91.1 | 6.99 | 9.5 | 10.4 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS7 | 09:36:01 | 1.0 | Surface | 1 | 2 | 20.69 | 8.2 | 26.72 | 91.2 | 7 | 9.4 | 10.3 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS7 | 09:36:21 | 2.5 | Bottom | 3 | 1 | 20.69 | 8.2 | 26.71 | 91.2 | 6.99 | 9.8 | 10.9 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS7 | 09:35:42 | 2.5 | Bottom | 3 | 2 | 20.69 | 8.2 | 26.71 | 91.3 | 7 | 9.6 | 9.4 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS8 | 09:04:16 | 1.0 | Surface | 1 | 1 | 20.69 | 8.2 | 27.17 | 90.3 | 6.9 | 10.6 | 8.9 | |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS8 | 09:04:53 | 1.0 | Surface | 1 | 2 | 20.7 | 8.2 | 27.16 | 90.2 | 6.9 | 10.4 | 7.9 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS8 | 09:04:36 | 2.8 | Bottom | 3 | 1 | 20.69 | 8.2 | 27.16 | 90.1 | 6.89 | 11.3 | 11.7 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS8 | 09:03:53 | 2.8 | Bottom | 3 | 2 | 20.69 | 8.2 | 27.16 | 90.2 | 6.9 | 11.6 | 11.2 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS(Mf)9 | 09:26:34 | 1.0 | Surface | 1 | 1 | 20.73 | 8.21 | 26.93 | 91 | 6.96 | 10.4 | 10 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS(Mf)9 | 09:27:13 | 1.0 | Surface | 1 | 2 | 20.73 | 8.21 | 26.93 | 90.6 | 6.94 | 10.2 | 10.7 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS(Mf)9 | 09:26:53 | 2.5 | Bottom | 3 | 1 | 20.72 | 8.21 | 26.96 | 90.7 | 6.94 | 11.5 | 10.6 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS(Mf)9 | 09:26:08 | 2.5 | Bottom | 3 | 2 | 20.72 | 8.21 | 26.95 | 91.1 | 6.97 | 11 | 10.5 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS10 | 09:15:34 | 1.0 | Surface | 1 | 1 | 20.74 | 8.12 | 27.26 | 88.7 | 6.78 | 14.3 | 11.4 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS10 | 09:14:56 | 1.0 | Surface | 1 | 2 | 20.74 | 8.12 | 27.27 | 88.7 | 6.78 | 14.9 | 11.8 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS10 | 09:15:24 | 5.8 | Middle | 2 | 1 | 20.74 | 8.12 | 27.31 | 88.5 | 6.76 | 15.7 | 13.5 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS10 | 09:14:47 | 5.8 | Middle | 2 | 2 | 20.74 | 8.11 | 27.3 | 88.5 | 6.76 | 15.9 | 13.1 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS10 | 09:14:31 | 10.6 | Bottom | 3 | 1 | 20.74 | 8.11 | 27.39 | 88.5 | 6.75 | 16.4 | 13.3 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | IS10 | 09:15:12 | 10.6 | Bottom | 3 | 2 | 20.74 | 8.12 | 27.4 | 88.4 | 6.75 | 16.3 | 13.8 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | SR3 | 10:07:26 | 0.8 | Middle | 2 | 1 | 20.65 | 8.2 | 26.53 | 93.1 | 7.15 | 10.8 | 17.5 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | SR3 | 10:07:41 | 0.8 | Middle | 2 | 2 | 20.65 | 8.2 | 26.54 | 93 | 7.14 | 11.1 | 18.8 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | SR4 | 09:15:26 | 1.0 | Surface | 1 | 1 | 20.66 | 8.2 | 27.23 | 91 | 6.96 | 10.3 | 4.7 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | SR4 | 09:16:08 | 1.0 | Surface | 1 | 2 | 20.67 | 8.2 | 27.27 | 90.3 | 6.91 | 10.5 | 4.3 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | SR4 | 09:15:46 | 2.6 | Bottom | 3 | 1 | 20.66 | 8.2 | 27.32 | 90.8 | 6.94 | 12 | 8.9 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | SR4 | 09:15:09 | 2.6 | Bottom | 3 | 2 | 20.65 | 8.2 | 27.27 | 90.9 | 6.95 | 11.5 | 8.4 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | SR5 | 09:22:22 | 1.0 | Surface | 1 | 1 | 20.77 | 8.09 | 26.54 | 90 | 6.9 | 20.9 | 8.3 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | SR5 | 09:22:33 | 1.0 | Surface | 1 | 2 | 20.75 | 8.1 | 26.28 | 89.8 | 6.9 | 20.6 | 7.9 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | SR5 | 09:22:14 | 4.5 | Bottom | 3 | 1 | 20.76 | 8.09 | 26.9 | 90 | 6.88 | 21.5 | 10.7 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | SR5 | 09:22:28 | 4.5 | Bottom | 3 | 2 | 20.78 | 8.09 | 27.51 | 90 | 6.86 | 21.7 | 11.2 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | SR10A | 08:04:05 | 1.0 | Surface | 1 | 1 | 20.53 | 8.24 | 29.95 | 87.8 | 6.63 | 3.5 | 4.4 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | SR10A | 08:02:57 | 1.0 | Surface | 1 | 2 | 20.52 | 8.24 | 29.97 | 87.8 | 6.63 | 3.7 | 3.8 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | SR10A | 08:03:42 | 3.3 | Middle | 2 | 1 | 20.52 | 8.24 | 29.98 | 87.6 | 6.61 | 3.6 | 4.4 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | SR10A | 08:02:37 | 3.3 | Middle | 2 | 2 | 20.52 | 8.24 | 29.98 | 87.7 | 6.61 | 3.9 | 4.7 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | SR10A | 08:03:21 | 5.6 | Bottom | 3 | 1 | 20.52 | 8.24 | 30.1 | 87.4 | 6.6 | 4.3 | 8.9 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | SR10A | 08:02:19 | 5.6 | Bottom | 3 | 2 | 20.51 | 8.24 | 30.13 | 87.7 | 6.61 | 4.2 | 8.9 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | SR10B | 07:51:27 | 1.0 | Surface | 1 | 1 | 20.43 | 8.25 | 30.7 | 87.5 | 6.58 | 5.1 | 7.3 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | SR10B | 07:50:38 | 1.0 | Surface | 1 | 2 | 20.43 | 8.25 | 30.71 | 87.8 | 6.61 | 5.2 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | SR10B | 07:51:10 | 4.6 | Bottom | 3 | 1 | 20.43 | 8.25 | 30.7 | 87.4 | 6.58 | 5.5 | 5.9 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | SR10B | 07:50:16 | 4.6 | Bottom | 3 | 2 | 20.43 | 8.24 | 30.71 | 87.8 | 6.61 | 5.8 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | CS2 | 10:16:19 | 1.0 | Surface | 1 | 1 | 20.8 | 8.12 | 26.83 | 89.3 | 6.83 | 12.6 | 5.1 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | CS2 | 10:15:59 | 1.0 | Surface | 1 | 2 | 20.8 | 8.12 | 26.84 | 89.1 | 6.81 | 12.4 | 6 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | CS2 | 10:15:54 | 4.1 | Middle | 2 | 1 | 20.78 | 8.12 | 27.08 | 88.9 | 6.79 | 13.1 | 5.8 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | CS2 | 10:16:15 | 4.1 | Middle | 2 | 2 | 20.79 | 8.12 | 26.93 | 89.1 | 6.81 | 12.9 | 6 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | CS2 | 10:15:46 | 7.2 | Bottom | 3 | 1 | 20.75 | 8.12 | 27.67 | 89.3 | 6.8 | 13.9 | 4.3 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | CS2 | 10:16:08 | 7.2 | Bottom | 3 | 2 | 20.78 | 8.12 | 27.26 | 89.1 | 6.8 | 13.8 | 4.8 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | CS(Mf)5 | 08:29:19 | 1.0 | Surface | 1 | 1 | 20.66 | 8.23 | 28 | 88.6 | 6.75 | 2.6 | 2.3 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | CS(Mf)5 | 08:30:23 | 1.0 | Surface | 1 | 2 | 20.66 | 8.23 | 27.99 | 88.6 | 6.75 | 2.7 | 2.9 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | CS(Mf)5 | 08:28:56 | 6.8 | Middle | 2 | 1 | 20.54 | 8.24 | 29.82 | 87.2 | 6.59 | 3.6 | 2.2 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | CS(Mf)5 | 08:30:00 | 6.8 | Middle | 2 | 2 | 20.54 | 8.24 | 29.76 | 87 | 6.57 | 3.5 | 3.2 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | CS(Mf)5 | 08:28:36 | 12.6 | Bottom | 3 | 1 | 20.54 | 8.24 | 30.06 | 87.7 | 6.61 | 4.7 | 2.7 | |
| HKLR | HY/2011/03 | 2013-04-01 | Mid-Flood | Sunny | CS(Mf)5 | 08:29:37 | 12.6 | Bottom | 3 | 2 | 20.54 | 8.24 | 30.05 | 87.4 | 6.59 | 4.9 | 2.9 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS5 | 17:29:20 | 1.0 | Surface | 1 | 1 | 21.06 | 8.26 | 25.96 | 92.7 | 7.09 | 5.7 | 5.6 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS5 | 17:30:03 | 1.0 | Surface | 1 | 2 | 20.9 | 8.29 | 26.11 | 92.8 | 7.12 | 6.5 | 5.8 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS5 | 17:29:02 | 4.7 | Middle | 2 | 1 | 20.59 | 8.34 | 30.25 | 92.1 | 6.93 | 6.6 | 6.2 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS5 | 17:29:53 | 4.7 | Middle | 2 | 2 | 20.58 | 8.34 | 30.31 | 92.1 | 6.93 | 6.9 | 6.1 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS5 | 17:29:33 | 8.4 | Bottom | 3 | 1 | 20.64 | 8.31 | 30.61 | 91.6 | 6.87 | 7.1 | 7.2 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS5 | 17:28:51 | 8.4 | Bottom | 3 | 2 | 20.58 | 8.33 | 30.65 | 91.6 | 6.88 | 7.1 | 8.6 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS(Mf)6 | 17:36:47 | 1.0 | Surface | 1 | 1 | 21.04 | 8.21 | 25.04 | 93.7 | 7.21 | 12.8 | 6.2 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS(Mf)6 | 17:37:10 | 1.0 | Surface | 1 | 2 | 21.04 | 8.21 | 25.03 | 93.6 | 7.2 | 11.8 | 6.2 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS(Mf)6 | 17:36:37 | 2.2 | Bottom | 3 | 1 | 21.04 | 8.22 | 25.11 | 93.7 | 7.21 | 12.4 | 6 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS(Mf)6 | 17:36:56 | 2.2 | Bottom | 3 | 2 | 21.04 | 8.21 | 25.03 | 93.6 | 7.2 | 11.8 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS7 | 17:43:47 | 1.0 | Surface | 1 | 1 | 21.01 | 8.21 | 25.02 | 93.8 | 7.22 | 6.4 | 7.4 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS7 | 17:43:26 | 1.0 | Surface | 1 | 2 | 21.01 | 8.21 | 25.03 | 93.7 | 7.21 | 6.5 | 8.9 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS7 | 17:43:17 | 2.4 | Bottom | 3 | 1 | 21 | 8.21 | 25.06 | 93.4 | 7.19 | 6.4 | 9.3 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS7 | 17:43:36 | 2.4 | Bottom | 3 | 2 | 21.01 | 8.21 | 25.02 | 93.7 | 7.21 | 6.6 | 9.1 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS8 | 18:05:41 | 1.0 | Surface | 1 | 1 | 20.83 | 8.24 | 26.89 | 89.3 | 6.82 | 5.3 | 7.5 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS8 | 18:06:05 | 1.0 | Surface | 1 | 2 | 20.82 | 8.24 | 26.88 | 88.9 | 6.79 | 5.5 | 8 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS8 | 18:05:26 | 2.8 | Bottom | 3 | 1 | 20.75 | 8.23 | 28.52 | 89.1 | 6.76 | 5.4 | 7.7 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS8 | 18:05:53 | 2.8 | Bottom | 3 | 2 | 20.74 | 8.23 | 28.49 | 88.8 | 6.73 | 5.5 | 7.7 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS(Mf)9 | 17:50:21 | 1.0 | Surface | 1 | 1 | 20.93 | 8.22 | 25.39 | 90.6 | 6.97 | 6.8 | 14.6 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS(Mf)9 | 17:50:44 | 1.0 | Surface | 1 | 2 | 20.95 | 8.22 | 25.38 | 92.1 | 7.08 | 6.6 | 13.9 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS(Mf)9 | 17:50:31 | 2.6 | Bottom | 3 | 1 | 20.94 | 8.22 | 25.49 | 91.4 | 7.03 | 7.7 | 18.2 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS(Mf)9 | 17:50:08 | 2.6 | Bottom | 3 | 2 | 20.78 | 8.22 | 27.4 | 90.1 | 6.87 | 7.5 | 17.2 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS10 | 18:22:25 | 1.0 | Surface | 1 | 1 | 20.67 | 8.14 | 28.97 | 89.1 | 6.74 | 6.7 | 7.8 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS10 | 18:23:00 | 1.0 | Surface | 1 | 2 | 20.67 | 8.15 | 28.96 | 89.1 | 6.74 | 6.7 | 7.8 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS10 | 18:22:51 | 5.6 | Middle | 2 | 1 | 20.67 | 8.14 | 28.99 | 88.9 | 6.73 | 6.8 | 8.1 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS10 | 18:22:20 | 5.6 | Middle | 2 | 2 | 20.67 | 8.14 | 28.99 | 89 | 6.73 | 6.8 | 7.4 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS10 | 18:22:09 | 10.2 | Bottom | 3 | 1 | 20.66 | 8.14 | 29.05 | 88.9 | 6.73 | 6.9 | 9.1 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | IS10 | 18:22:40 | 10.2 | Bottom | 3 | 2 | 20.66 | 8.14 | 29.08 | 88.8 | 6.72 | 7.1 | 8 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | SR3 | 17:21:46 | 0.8 | Middle | 2 | 1 | 21.06 | 8.24 | 26.21 | 93.6 | 7.15 | 5.1 | 7.1 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | SR3 | 17:21:35 | 0.8 | Middle | 2 | 2 | 21.05 | 8.23 | 26.3 | 94.1 | 7.19 | 5.1 | 7 | |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | SR4 | 18:00:38 | 1.0 | Surface | 1 | 1 | 20.87 | 8.21 | 24.61 | 89.3 | 6.91 | 5.4 | 8.5 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | SR4 | 18:00:26 | 1.0 | Surface | 1 | 2 | 20.9 | 8.21 | 24.63 | 89.8 | 6.94 | 5.4 | 8.9 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | SR4 | 18:00:16 | 2.7 | Bottom | 3 | 1 | 20.84 | 8.19 | 27.77 | 90.4 | 6.87 | 5.4 | 7.8 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | SR4 | 18:00:33 | 2.7 | Bottom | 3 | 2 | 20.87 | 8.19 | 27.56 | 90.2 | 6.86 | 5.6 | 7.5 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | SR5 | 18:10:03 | 1.0 | Surface | 1 | 1 | 20.67 | 8.13 | 28.92 | 89.2 | 6.76 | 6.6 | 9 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | SR5 | 18:10:20 | 1.0 | Surface | 1 | 2 | 20.67 | 8.13 | 28.92 | 89.2 | 6.76 | 6.6 | 8.7 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | SR5 | 18:09:51 | 4.5 | Bottom | 3 | 1 | 20.67 | 8.12 | 28.93 | 89.2 | 6.75 | 6.6 | 7.7 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | SR5 | 18:10:10 | 4.5 | Bottom | 3 | 2 | 20.67 | 8.13 | 28.95 | 89.2 | 6.75 | 6.6 | 8.7 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | SR10A | 19:32:29 | 1.0 | Surface | 1 | 1 | 20.4 | 8.31 | 31.06 | 89.7 | 6.74 | 1.5 | 4.4 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | SR10A | 19:33:09 | 1.0 | Surface | 1 | 2 | 20.43 | 8.3 | 30.83 | 89.6 | 6.74 | 1.5 | 4.9 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | SR10A | 19:32:19 | 3.1 | Middle | 2 | 1 | 20.38 | 8.31 | 31.2 | 89.7 | 6.73 | 1.5 | 4.6 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | SR10A | 19:32:57 | 3.1 | Middle | 2 | 2 | 20.38 | 8.31 | 31.18 | 89.4 | 6.72 | 1.6 | 3.9 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | SR10A | 19:32:44 | 5.2 | Bottom | 3 | 1 | 20.38 | 8.31 | 31.2 | 89.3 | 6.71 | 1.5 | 4.2 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | SR10A | 19:32:08 | 5.2 | Bottom | 3 | 2 | 20.39 | 8.31 | 31.18 | 89.6 | 6.73 | 1.5 | 3.3 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | SR10B | 19:39:36 | 1.0 | Surface | 1 | 1 | 20.41 | 8.31 | 30.97 | 89.6 | 6.74 | 1.3 | 4.1 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | SR10B | 19:40:00 | 1.0 | Surface | 1 | 2 | 20.4 | 8.31 | 31.02 | 89.5 | 6.73 | 1.3 | 3.4 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | SR10B | 19:39:47 | 4.1 | Bottom | 3 | 1 | 20.41 | 8.31 | 31.02 | 89.5 | 6.73 | 1.4 | 4.7 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | SR10B | 19:39:22 | 4.1 | Bottom | 3 | 2 | 20.41 | 8.31 | 31 | 89.4 | 6.72 | 1.3 | 3.4 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | CS2 | 17:14:35 | 1.0 | Surface | 1 | 1 | 20.65 | 8.09 | 28.61 | 89.8 | 6.81 | 4.9 | 9.3 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | CS2 | 17:15:10 | 1.0 | Surface | 1 | 2 | 20.65 | 8.1 | 28.57 | 90 | 6.83 | 4.7 | 10.5 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | CS2 | 17:15:02 | 4.1 | Middle | 2 | 1 | 20.58 | 8.1 | 28.79 | 89.4 | 6.79 | 4.9 | 11 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | CS2 | 17:14:24 | 4.1 | Middle | 2 | 2 | 20.63 | 8.08 | 29.18 | 89.7 | 6.79 | 5 | 11.1 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | CS2 | 17:13:55 | 7.2 | Bottom | 3 | 1 | 20.56 | 8.06 | 29.78 | 88.8 | 6.7 | 5.3 | 9.1 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | CS2 | 17:14:57 | 7.2 | Bottom | 3 | 2 | 20.56 | 8.1 | 29.97 | 89.5 | 6.75 | 5.1 | 10.1 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | CS(Mf)5 | 18:57:19 | 1.0 | Surface | 1 | 1 | 20.61 | 8.28 | 28.99 | 89.7 | 6.79 | 3.4 | 7.3 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | CS(Mf)5 | 18:56:48 | 1.0 | Surface | 1 | 2 | 20.62 | 8.27 | 29 | 89.8 | 6.8 | 3.4 | 6.6 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | CS(Mf)5 | 18:57:10 | 6.4 | Middle | 2 | 1 | 20.53 | 8.29 | 30.12 | 89.4 | 6.74 | 3.1 | 6.7 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | CS(Mf)5 | 18:56:38 | 6.4 | Middle | 2 | 2 | 20.54 | 8.29 | 30.09 | 89.5 | 6.75 | 3.2 | 7.3 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | CS(Mf)5 | 18:56:27 | 11.8 | Bottom | 3 | 1 | 20.52 | 8.28 | 30.42 | 89.1 | 6.71 | 3.5 | 7.1 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Ebb | Cloudy | CS(Mf)5 | 18:57:00 | 11.8 | Bottom | 3 | 2 | 20.52 | 8.28 | 30.36 | 88.9 | 6.69 | 3.5 | 7.1 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS5 | 12:07:28 | 1.0 | Surface | 1 | 1 | 20.96 | 8.2 | 24.54 | 90.5 | 6.99 | 9.6 | 12.6 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS5 | 12:06:26 | 1.0 | Surface | 1 | 2 | 20.95 | 8.21 | 24.56 | 90.1 | 6.96 | 9.2 | 13.8 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS5 | 12:07:12 | 4.6 | Middle | 2 | 1 | 20.74 | 8.27 | 27.72 | 88.6 | 6.75 | 7.5 | 12.9 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS5 | 12:06:12 | 4.6 | Middle | 2 | 2 | 20.79 | 8.25 | 27.27 | 88.3 | 6.74 | 7.5 | 11.7 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS5 | 12:06:53 | 8.2 | Bottom | 3 | 1 | 20.61 | 8.28 | 29.19 | 89.3 | 6.76 | 8.8 | 13 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS5 | 12:05:43 | 8.2 | Bottom | 3 | 2 | 20.65 | 8.25 | 29.23 | 89.9 | 6.8 | 8.9 | 13.5 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS(Mf)6 | 11:58:18 | 1.0 | Surface | 1 | 1 | 21.02 | 8.19 | 25.2 | 90.6 | 6.97 | 5.8 | 6.3 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS(Mf)6 | 11:58:44 | 1.0 | Surface | 1 | 2 | 21.03 | 8.19 | 25.17 | 90.5 | 6.96 | 5.9 | 7.3 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS(Mf)6 | 11:58:01 | 2.3 | Bottom | 3 | 1 | 21.02 | 8.19 | 25.23 | 90.9 | 6.99 | 5.8 | 7.4 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS(Mf)6 | 11:58:32 | 2.3 | Bottom | 3 | 2 | 21.02 | 8.19 | 25.18 | 90.5 | 6.96 | 5.8 | 7.1 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS7 | 11:52:27 | 1.0 | Surface | 1 | 1 | 21 | 8.19 | 24.9 | 91.9 | 7.08 | 5.6 | 7 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS7 | 11:52:08 | 1.0 | Surface | 1 | 2 | 21.01 | 8.19 | 24.92 | 92 | 7.09 | 5.6 | 8.1 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS7 | 11:51:57 | 2.3 | Bottom | 3 | 1 | 21.01 | 8.19 | 24.93 | 92.1 | 7.09 | 5.7 | 8 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS7 | 11:52:17 | 2.3 | Bottom | 3 | 2 | 21 | 8.19 | 24.9 | 91.9 | 7.08 | 5.6 | 9.1 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS8 | 11:31:38 | 1.0 | Surface | 1 | 1 | 20.9 | 8.21 | 26.1 | 89.2 | 6.84 | 6.6 | 5.6 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS8 | 11:31:59 | 1.0 | Surface | 1 | 2 | 20.91 | 8.21 | 25.97 | 88.8 | 6.81 | 6.8 | 4.3 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS8 | 11:31:48 | 3.2 | Bottom | 3 | 1 | 20.8 | 8.21 | 28.3 | 88.9 | 6.74 | 8.2 | 7.7 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS8 | 11:31:27 | 3.2 | Bottom | 3 | 2 | 20.78 | 8.21 | 27.82 | 89 | 6.77 | 8 | 7 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS(Mf)9 | 11:46:25 | 1.0 | Surface | 1 | 1 | 20.85 | 8.2 | 25.58 | 91.6 | 7.05 | 4 | 5.3 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS(Mf)9 | 11:46:47 | 1.0 | Surface | 1 | 2 | 20.85 | 8.2 | 25.59 | 90.6 | 6.97 | 4.2 | 6 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS(Mf)9 | 11:46:12 | 2.6 | Bottom | 3 | 1 | 20.85 | 8.2 | 25.61 | 91.9 | 7.07 | 4 | 5.7 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS(Mf)9 | 11:46:36 | 2.6 | Bottom | 3 | 2 | 20.85 | 8.2 | 25.72 | 90.4 | 6.95 | 4.2 | 6.4 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS10 | 11:36:55 | 1.0 | Surface | 1 | 1 | 20.87 | 8.1 | 25.62 | 87.7 | 6.74 | 8 | 13.9 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS10 | 11:36:27 | 1.0 | Surface | 1 | 2 | 20.88 | 8.09 | 25.59 | 88.2 | 6.79 | 7.8 | 13.4 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS10 | 11:36:49 | 5.8 | Middle | 2 | 1 | 20.84 | 8.11 | 25.72 | 87 | 6.69 | 9 | 13.9 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS10 | 11:36:17 | 5.8 | Middle | 2 | 2 | 20.8 | 8.11 | 26.26 | 87.4 | 6.71 | 8.8 | 13.2 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS10 | 11:36:10 | 10.6 | Bottom | 3 | 1 | 20.78 | 8.11 | 27.89 | 87.6 | 6.66 | 11 | 14.4 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | IS10 | 11:36:44 | 10.6 | Bottom | 3 | 2 | 20.82 | 8.11 | 27.5 | 87.2 | 6.64 | 10.8 | 14 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | SR3 | 12:16:20 | 0.7 | Middle | 2 | 1 | 20.95 | 8.18 | 24.57 | 92 | 7.11 | 11.1 | 13.1 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | SR3 | 12:16:11 | 0.7 | Middle | 2 | 2 | 20.96 | 8.18 | 24.55 | 92 | 7.11 | 10.4 | 12.2 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | SR4 | 11:36:53 | 1.0 | Surface | 1 | 1 | 20.91 | 8.21 | 26.55 | 87.4 | 6.69 | 5.8 | 7.8 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | SR4 | 11:37:19 | 1.0 | Surface | 1 | 2 | 20.87 | 8.22 | 26.81 | 86.6 | 6.62 | 5.8 | 6.2 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | SR4 | 11:36:41 | 2.8 | Bottom | 3 | 1 | 20.79 | 8.22 | 28.12 | 87.5 | 6.64 | 6.1 | 5.8 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | SR4 | 11:37:07 | 2.8 | Bottom | 3 | 2 | 20.75 | 8.22 | 28.46 | 86.6 | 6.56 | 6.2 | 5.2 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | SR5 | 11:45:31 | 1.0 | Surface | 1 | 1 | 21.25 | 8.09 | 27.41 | 86.7 | 6.56 | 8.9 | 8.5 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | SR5 | 11:45:41 | 1.0 | Surface | 1 | 2 | 21.27 | 8.09 | 27.36 | 86.8 | 6.56 | 8.9 | 8.2 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | SR5 | 11:45:26 | 4.5 | Bottom | 3 | 1 | 21.18 | 8.09 | 27.48 | 86.5 | 6.54 | 9.1 | 8.2 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | SR5 | 11:45:37 | 4.5 | Bottom | 3 | 2 | 21.27 | 8.09 | 27.37 | 86.7 | 6.55 | 9 | 7.1 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | SR10A | 10:35:04 | 1.0 | Surface | 1 | 1 | 20.51 | 8.27 | 29.86 | 88 | 6.64 | 1.3 | 3.8 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | SR10A | 10:34:21 | 1.0 | Surface | 1 | 2 | 20.52 | 8.27 | 29.87 | 88.1 | 6.65 | 1.3 | 4.6 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | SR10A | 10:34:50 | 3.2 | Middle | 2 | 1 | 20.51 | 8.27 | 29.9 | 87.8 | 6.63 | 1.3 | 4.3 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | SR10A | 10:34:05 | 3.2 | Middle | 2 | 2 | 20.51 | 8.27 | 29.91 | 88 | 6.64 | 1.4 | 4.7 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | SR10A | 10:34:35 | 5.4 | Bottom | 3 | 1 | 20.51 | 8.27 | 29.91 | 87.8 | 6.63 | 1.3 | 3.6 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | SR10A | 10:33:52 | 5.4 | Bottom | 3 | 2 | 20.5 | 8.27 | 29.97 | 88 | 6.64 | 1.4 | 3.5 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | SR10B | 10:29:18 | 1.0 | Surface | 1 | 1 | 20.47 | 8.27 | 30.15 | 87.7 | 6.62 | 1.5 | 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | SR10B | 10:28:47 | 1.0 | Surface | 1 | 2 | 20.46 | 8.27 | 30.22 | 87.9 | 6.63 | 1.5 | 5.2 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | SR10B | 10:28:35 | 4.1 | Bottom | 3 | 1 | 20.45 | 8.27 | 30.45 | 87.9 | 6.62 | 1.4 | 5.4 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | SR10B | 10:29:08 | 4.1 | Bottom | 3 | 2 | 20.46 | 8.27 | 30.23 | 87.7 | 6.61 | 1.5 | 4.7 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | CS2 | 12:51:43 | 1.0 | Surface | 1 | 1 | 20.63 | 8.14 | 28.38 | 89.6 | 6.81 | 5.5 | 5.5 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | CS2 | 12:51:06 | 1.0 | Surface | 1 | 2 | 20.63 | 8.13 | 28.51 | 89.6 | 6.81 | 5.7 | 4.3 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | CS2 | 12:51:00 | 4.1 | Middle | 2 | 1 | 20.61 | 8.13 | 28.88 | 89.1 | 6.76 | 6.7 | 6.2 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | CS2 | 12:51:35 | 4.1 | Middle | 2 | 2 | 20.59 | 8.14 | 28.38 | 89 | 6.77 | 6.4 | 6.5 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | CS2 | 12:50:52 | 7.2 | Bottom | 3 | 1 | 20.58 | 8.13 | 29.44 | 89.1 | 6.74 | 8.7 | 5.9 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | CS2 | 12:51:30 | 7.2 | Bottom | 3 | 2 | 20.58 | 8.14 | 29.46 | 88.9 | 6.72 | 8.5 | 5.2 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | CS(Mf)5 | 11:02:29 | 1.0 | Surface | 1 | 1 | 20.55 | 8.27 | 29.81 | 88.8 | 6.7 | 2.5 | 5.3 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | CS(Mf)5 | 11:03:12 | 1.0 | Surface | 1 | 2 | 20.54 | 8.27 | 29.83 | 88.2 | 6.66 | 2.5 | 6.6 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | CS(Mf)5 | 11:02:12 | 6.4 | Middle | 2 | 1 | 20.51 | 8.28 | 30.05 | 87.5 | 6.6 | 2.6 | 4.7 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | CS(Mf)5 | 11:03:01 | 6.4 | Middle | 2 | 2 | 20.51 | 8.28 | 30.04 | 86.9 | 6.56 | 2.5 | 4.6 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | CS(Mf)5 | 11:02:03 | 11.7 | Bottom | 3 | 1 | 20.48 | 8.28 | 30.5 | 88 | 6.62 | 2.7 | 6.1 | |
| HKLR | HY/2011/03 | 2013-04-03 | Mid-Flood | Fine | CS(Mf)5 | 11:02:48 | 11.7 | Bottom | 3 | 2 | 20.46 | 8.28 | 30.63 | 87.3 | 6.57 | 2.7 | 5.8 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS5 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS5 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS5 | - | - | Middle | 2 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS5 | - | - | Middle | 2 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS5 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS5 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS(Mf)6 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS(Mf)6 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS(Mf)6 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS(Mf)6 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS7 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS7 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS7 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS7 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS8 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS8 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS8 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS8 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS(Mf)9 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS(Mf)9 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS(Mf)9 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS(Mf)9 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS10 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS10 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS10 | - | - | Middle | 2 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS10 | - | - | Middle | 2 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS10 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | IS10 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | SR3 | - | - | Middle | 2 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | SR3 | - | - | Middle | 2 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | SR4 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | SR4 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | SR4 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | SR4 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | SR5 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | SR5 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | SR5 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | SR5 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | SR10A | - | - | Surface | 1 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | SR10A | - | - | Surface | 1 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | SR10A | - | - | Middle | 2 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | SR10A | - | - | Middle | 2 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | SR10A | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | SR10A | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | SR10B | - | - | Surface | 1 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | SR10B | - | - | Surface | 1 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | SR10B | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | SR10B | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | CS2 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | CS2 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | CS2 | - | - | Middle | 2 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | CS2 | - | - | Middle | 2 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | CS2 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | CS2 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | CS(Mf)5 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | CS(Mf)5 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | CS(Mf)5 | - | - | Middle | 2 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | CS(Mf)5 | - | - | Middle | 2 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | CS(Mf)5 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Ebb | Rainy | CS(Mf)5 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | | Cancelled |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS5 | 13:28:12 | 1.0 | Surface | 1 | 1 | 21.49 | 8.24 | 25.11 | 92.8 | 7.08 | 7.5 | 9.4 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS5 | 13:26:29 | 1.0 | Surface | 1 | 2 | 21.29 | 8.25 | 24.93 | 90.7 | 6.95 | 7 | 8.5 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS5 | 13:26:21 | 4.8 | Middle | 2 | 1 | 20.95 | 8.25 | 27.33 | 89 | 6.77 | 5.3 | 9.1 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS5 | 13:27:43 | 4.8 | Middle | 2 | 2 | 20.92 | 8.25 | 27.38 | 89.2 | 6.78 | 5.3 | 8.9 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS5 | 13:26:06 | 8.6 | Bottom | 3 | 1 | 20.76 | 8.24 | 28.66 | 88.7 | 6.72 | 6.2 | 8 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS5 | 13:27:32 | 8.6 | Bottom | 3 | 2 | 20.76 | 8.24 | 28.74 | 89.6 | 6.78 | 5.6 | 9.6 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS(Mf)6 | 13:35:16 | 1.0 | Surface | 1 | 1 | 21.27 | 8.25 | 26.6 | 92.9 | 7.06 | 4.8 | 5.6 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS(Mf)6 | 13:34:49 | 1.0 | Surface | 1 | 2 | 21.27 | 8.25 | 26.59 | 92.9 | 7.06 | 5 | 6 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS(Mf)6 | 13:34:36 | 2.5 | Bottom | 3 | 1 | 21.26 | 8.24 | 26.6 | 92.9 | 7.05 | 5.3 | 6.4 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS(Mf)6 | 13:35:03 | 2.5 | Bottom | 3 | 2 | 21.25 | 8.25 | 26.62 | 92.9 | 7.05 | 5.1 | 5.5 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS7 | 13:42:12 | 1.0 | Surface | 1 | 1 | 21.4 | 8.25 | 25.71 | 90.6 | 6.9 | 11.6 | 3.9 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS7 | 13:41:45 | 1.0 | Surface | 1 | 2 | 21.41 | 8.24 | 25.7 | 91.2 | 6.95 | 11 | 3.7 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS7 | 13:41:33 | 2.6 | Bottom | 3 | 1 | 21.07 | 8.23 | 27.87 | 90.3 | 6.83 | 12.3 | 7.9 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS7 | 13:42:02 | 2.6 | Bottom | 3 | 2 | 20.97 | 8.24 | 27.82 | 89.6 | 6.79 | 13.4 | 7.1 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS8 | 14:11:37 | 1.0 | Surface | 1 | 1 | 21.34 | 8.25 | 25.5 | 93 | 7.09 | 5.2 | 7.6 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS8 | 14:12:02 | 1.0 | Surface | 1 | 2 | 21.34 | 8.25 | 25.49 | 93.1 | 7.1 | 5.2 | 6.9 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS8 | 14:11:51 | 2.8 | Bottom | 3 | 1 | 21.28 | 8.25 | 26.17 | 92.9 | 7.07 | 5.6 | 4.6 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS8 | 14:11:27 | 2.8 | Bottom | 3 | 2 | 21.29 | 8.24 | 26.05 | 92.8 | 7.06 | 5.5 | 5.1 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS(Mf)9 | 13:49:11 | 1.0 | Surface | 1 | 1 | 21.41 | 8.25 | 26.5 | 93.6 | 7.09 | 6.9 | 10.5 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS(Mf)9 | 13:48:38 | 1.0 | Surface | 1 | 2 | 21.4 | 8.24 | 26.52 | 93.5 | 7.09 | 6.2 | 9.4 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS(Mf)9 | 13:48:53 | 2.5 | Bottom | 3 | 1 | 21.4 | 8.25 | 26.5 | 93.4 | 7.08 | 8.1 | 10.5 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS(Mf)9 | 13:48:24 | 2.5 | Bottom | 3 | 2 | 21.4 | 8.24 | 26.51 | 93.4 | 7.08 | 7.3 | 9.9 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS10 | 14:49:55 | 1.0 | Surface | 1 | 1 | 21.34 | 8.15 | 24.83 | 91.8 | 7.03 | 5 | 4.8 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS10 | 14:49:10 | 1.0 | Surface | 1 | 2 | 21.38 | 8.15 | 24.78 | 92.3 | 7.07 | 4.8 | 4 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS10 | 14:49:41 | 5.1 | Middle | 2 | 1 | 20.87 | 8.16 | 27.2 | 89.7 | 6.84 | 6.6 | 8.8 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS10 | 14:48:51 | 5.1 | Middle | 2 | 2 | 20.95 | 8.16 | 27.02 | 90.3 | 6.88 | 6.4 | 8.9 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS10 | 14:48:35 | 9.1 | Bottom | 3 | 1 | 20.94 | 8.16 | 28.84 | 90.2 | 6.8 | 7.3 | 8.8 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | IS10 | 14:49:26 | 9.1 | Bottom | 3 | 2 | 20.75 | 8.16 | 29 | 90 | 6.8 | 7.1 | 7.4 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | SR3 | 13:14:02 | 0.8 | Middle | 2 | 1 | 21.56 | 8.19 | 25.44 | 94.6 | 7.19 | 5.3 | 8 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | SR3 | 13:14:12 | 0.8 | Middle | 2 | 2 | 21.57 | 8.2 | 25.41 | 94.8 | 7.21 | 5.1 | 9.4 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | SR4 | 13:59:54 | 1.0 | Surface | 1 | 1 | 21.2 | 8.2 | 26.58 | 89.4 | 6.8 | 7.2 | 9.5 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | SR4 | 13:59:37 | 1.0 | Surface | 1 | 2 | 21.18 | 8.2 | 26.62 | 89.6 | 6.81 | 7.1 | 9.7 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | SR4 | 13:59:26 | 2.4 | Bottom | 3 | 1 | 21.2 | 8.19 | 26.59 | 89.6 | 6.82 | 7 | 9.7 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | SR4 | 13:59:46 | 2.4 | Bottom | 3 | 2 | 21.18 | 8.2 | 26.6 | 89.4 | 6.8 | 7.3 | 9.7 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | SR5 | 14:40:45 | 1.0 | Surface | 1 | 1 | 21.35 | 8.15 | 24.88 | 92.4 | 7.08 | 4.1 | 4.8 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | SR5 | 14:40:25 | 1.0 | Surface | 1 | 2 | 21.33 | 8.15 | 24.81 | 92.2 | 7.07 | 4.3 | 5.7 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | SR5 | 14:40:34 | 3.6 | Bottom | 3 | 1 | 21.2 | 8.15 | 25.81 | 91.9 | 7.02 | 4.5 | 4.6 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | SR5 | 14:40:15 | 3.6 | Bottom | 3 | 2 | 20.98 | 8.17 | 26.07 | 91.4 | 7 | 4.7 | 5.3 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | SR10A | 15:14:23 | 1.0 | Surface | 1 | 1 | 20.96 | 8.26 | 27.07 | 92.1 | 7.01 | 2.5 | 3.4 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | SR10A | 15:15:02 | 1.0 | Surface | 1 | 2 | 21.08 | 8.25 | 26.55 | 91.6 | 6.98 | 2.5 | 3 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | SR10A | 15:14:14 | 3.4 | Middle | 2 | 1 | 20.85 | 8.26 | 27.81 | 91.2 | 6.93 | 2.1 | 2.5 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | SR10A | 15:14:47 | 3.4 | Middle | 2 | 2 | 20.86 | 8.27 | 27.75 | 91.4 | 6.95 | 2.2 | 2.7 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | SR10A | 15:14:35 | 5.7 | Bottom | 3 | 1 | 20.79 | 8.25 | 28.84 | 91.1 | 6.89 | 2.3 | 3.1 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | SR10A | 15:14:01 | 5.7 | Bottom | 3 | 2 | 20.73 | 8.25 | 29.58 | 90.7 | 6.83 | 2.1 | 2.6 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | SR10B | 15:27:03 | 1.0 | Surface | 1 | 1 | 20.98 | 8.26 | 26.96 | 92.2 | 7.03 | 2.6 | 4.9 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | SR10B | 15:27:23 | 1.0 | Surface | 1 | 2 | 20.95 | 8.26 | 27.16 | 92.3 | 7.02 | 2.4 | 3.2 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | SR10B | 15:27:12 | 4.5 | Bottom | 3 | 1 | 20.91 | 8.25 | 27.7 | 91.8 | 6.97 | 2.4 | 4.2 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | SR10B | 15:26:45 | 4.5 | Bottom | 3 | 2 | 20.85 | 8.26 | 28.08 | 91.2 | 6.92 | 2.5 | 3.1 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | CS2 | 13:11:42 | 1.0 | Surface | 1 | 1 | 21.43 | 8.12 | 23.41 | 91.3 | 7.04 | 4 | 3.8 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | CS2 | 13:12:28 | 1.0 | Surface | 1 | 2 | 21.44 | 8.12 | 23.4 | 91.8 | 7.08 | 4.1 | 3.9 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | CS2 | 13:12:14 | 3.8 | Middle | 2 | 1 | 21.4 | 8.12 | 23.45 | 90.7 | 6.99 | 4.3 | 4 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | CS2 | 13:11:14 | 3.8 | Middle | 2 | 2 | 21.22 | 8.11 | 24.08 | 89.3 | 6.89 | 4.1 | 3.1 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | CS2 | 13:10:51 | 6.6 | Bottom | 3 | 1 | 20.86 | 8.13 | 27.88 | 90 | 6.83 | 4.8 | 3 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | CS2 | 13:11:55 | 6.6 | Bottom | 3 | 2 | 20.96 | 8.13 | 27.09 | 89.6 | 6.82 | 4.9 | 2.6 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | CS(Mf)5 | 14:46:22 | 1.0 | Surface | 1 | 1 | 21.27 | 8.25 | 24.88 | 91.9 | 7.05 | 3.6 | 4.4 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | CS(Mf)5 | 14:45:26 | 1.0 | Surface | 1 | 2 | 21.25 | 8.25 | 24.93 | 91.7 | 7.03 | 3.7 | 5.7 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | CS(Mf)5 | 14:45:57 | 6.7 | Middle | 2 | 1 | 20.56 | 8.29 | 29.49 | 88.8 | 6.71 | 3.8 | 6.1 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | CS(Mf)5 | 14:45:03 | 6.7 | Middle | 2 | 2 | 20.57 | 8.29 | 29.71 | 88.9 | 6.71 | 3.8 | 7.3 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | CS(Mf)5 | 14:45:47 | 12.3 | Bottom | 3 | 1 | 20.46 | 8.27 | 30.91 | 89 | 6.69 | 9.1 | 7.2 | |
| HKLR | HY/2011/03 | 2013-04-05 | Mid-Flood | Rainy | CS(Mf)5 | 14:44:49 | 12.3 | Bottom | 3 | 2 | 20.43 | 8.27 | 31.12 | 88.8 | 6.67 | 9.8 | 6.5 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS5 | 13:00:20 | 1.0 | Surface | 1 | 1 | 19.93 | 8.32 | 27.24 | 92.9 | 7.2 | 5.4 | 4.3 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS5 | 12:59:04 | 1.0 | Surface | 1 | 2 | 19.93 | 8.33 | 27.25 | 93 | 7.21 | 5.3 | 5.8 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS5 | 12:59:54 | 4.3 | Middle | 2 | 1 | 19.9 | 8.35 | 28.94 | 92.7 | 7.12 | 9.1 | 4.2 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS5 | 12:58:46 | 4.3 | Middle | 2 | 2 | 19.89 | 8.35 | 29.07 | 92.8 | 7.13 | 8.4 | 4.2 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS5 | 12:58:28 | 7.6 | Bottom | 3 | 1 | 19.89 | 8.34 | 29.57 | 92.7 | 7.09 | 9 | 5.5 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS5 | 12:59:34 | 7.6 | Bottom | 3 | 2 | 19.87 | 8.36 | 29.75 | 92.6 | 7.08 | 9.6 | 4.1 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS(Mf)6 | 12:44:34 | 1.0 | Surface | 1 | 1 | 20.05 | 8.32 | 27.92 | 91.9 | 7.08 | 9.2 | 7.6 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS(Mf)6 | 12:44:53 | 1.0 | Surface | 1 | 2 | 20.05 | 8.32 | 28.01 | 91.6 | 7.06 | 9 | 8.3 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS(Mf)6 | 12:44:18 | 2.4 | Bottom | 3 | 1 | 20.02 | 8.31 | 28.41 | 91.5 | 7.03 | 13.1 | 5.5 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS(Mf)6 | 12:44:44 | 2.4 | Bottom | 3 | 2 | 20.03 | 8.31 | 28.37 | 91.7 | 7.05 | 12.5 | 5.6 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS7 | 12:37:08 | 1.0 | Surface | 1 | 1 | 20.05 | 8.31 | 28.03 | 91.8 | 7.07 | 10.4 | 6.9 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS7 | 12:37:32 | 1.0 | Surface | 1 | 2 | 20.05 | 8.31 | 28.02 | 91.8 | 7.07 | 10.1 | 7 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS7 | 12:37:21 | 2.5 | Bottom | 3 | 1 | 20.02 | 8.31 | 28.44 | 91.6 | 7.04 | 12.1 | 6 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS7 | 12:36:58 | 2.5 | Bottom | 3 | 2 | 20.03 | 8.31 | 28.47 | 91.7 | 7.05 | 12.4 | 4.8 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS8 | 12:15:39 | 1.0 | Surface | 1 | 1 | 20.12 | 8.32 | 28.16 | 90.8 | 6.98 | 4.8 | 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS8 | 12:15:10 | 1.0 | Surface | 1 | 2 | 20.12 | 8.31 | 28.14 | 90.8 | 6.98 | 5.1 | 4.8 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS8 | 12:14:56 | 2.8 | Bottom | 3 | 1 | 20.1 | 8.31 | 29 | 90.4 | 6.92 | 5.5 | 4.3 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS8 | 12:15:28 | 2.8 | Bottom | 3 | 2 | 20.09 | 8.31 | 28.78 | 90.7 | 6.95 | 5 | 4.6 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS(Mf)9 | 12:31:51 | 1.0 | Surface | 1 | 1 | 20.06 | 8.31 | 27.81 | 92.5 | 7.13 | 7 | 4.4 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS(Mf)9 | 12:30:59 | 1.0 | Surface | 1 | 2 | 20.05 | 8.31 | 27.86 | 92.4 | 7.13 | 7.7 | 4.8 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS(Mf)9 | 12:30:46 | 2.5 | Bottom | 3 | 1 | 20.03 | 8.31 | 28.33 | 92.3 | 7.09 | 10.5 | 4.9 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS(Mf)9 | 12:31:40 | 2.5 | Bottom | 3 | 2 | 20.05 | 8.31 | 27.9 | 92.4 | 7.12 | 11 | 4 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS10 | 11:47:19 | 1.0 | Surface | 1 | 1 | 20.05 | 8.24 | 28.15 | 93.2 | 7.17 | 8.4 | 3.5 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS10 | 11:46:34 | 1.0 | Surface | 1 | 2 | 20.05 | 8.23 | 28.12 | 93.3 | 7.18 | 7.9 | 3.3 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS10 | 11:46:18 | 5.2 | Middle | 2 | 1 | 20 | 8.25 | 29.29 | 92.6 | 7.09 | 13.1 | 3.2 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS10 | 11:47:03 | 5.2 | Middle | 2 | 2 | 19.97 | 8.26 | 29.98 | 92.4 | 7.05 | 13.3 | 3.8 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS10 | 11:46:02 | 9.4 | Bottom | 3 | 1 | 19.97 | 8.26 | 30.46 | 92.7 | 7.05 | 14.2 | 3.7 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | IS10 | 11:46:48 | 9.4 | Bottom | 3 | 2 | 19.97 | 8.26 | 30.46 | 92.6 | 7.04 | 14.3 | 3.9 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | SR3 | 13:09:03 | 0.8 | Middle | 2 | 1 | 19.96 | 8.32 | 27.23 | 93.1 | 7.22 | 4.3 | 3.2 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | SR3 | 13:09:09 | 0.8 | Middle | 2 | 2 | 19.95 | 8.32 | 27.23 | 93 | 7.21 | 4.5 | 3.4 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | SR4 | 12:21:03 | 1.0 | Surface | 1 | 1 | 20.11 | 8.3 | 27.81 | 90.6 | 6.98 | 3.9 | 6.7 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | SR4 | 12:20:38 | 1.0 | Surface | 1 | 2 | 20.12 | 8.3 | 27.6 | 89.7 | 6.92 | 4.2 | 6 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | SR4 | 12:20:22 | 2.4 | Bottom | 3 | 1 | 20.13 | 8.3 | 28.18 | 90.1 | 6.92 | 3.9 | 5.9 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | SR4 | 12:20:53 | 2.4 | Bottom | 3 | 2 | 20.1 | 8.31 | 28.16 | 90.4 | 6.95 | 3.7 | 5.5 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | SR5 | 11:54:49 | 1.0 | Surface | 1 | 1 | 20.1 | 8.24 | 29.38 | 91.8 | 7.01 | 12.5 | 13 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | SR5 | 11:54:23 | 1.0 | Surface | 1 | 2 | 20.09 | 8.24 | 29.44 | 92 | 7.02 | 12.8 | 12.5 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | SR5 | 11:54:08 | 3.5 | Bottom | 3 | 1 | 20.09 | 8.24 | 29.5 | 91.9 | 7.01 | 12.6 | 8.8 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | SR5 | 11:54:35 | 3.5 | Bottom | 3 | 2 | 20.09 | 8.24 | 29.5 | 91.7 | 6.99 | 12.2 | 8.6 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | SR10A | 10:57:54 | 1.0 | Surface | 1 | 1 | 19.96 | 8.34 | 31.51 | 90.2 | 6.82 | 2.6 | 3 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | SR10A | 10:56:50 | 1.0 | Surface | 1 | 2 | 19.97 | 8.33 | 31.48 | 90.4 | 6.83 | 2.4 | 4.7 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | SR10A | 10:57:44 | 3.4 | Middle | 2 | 1 | 19.96 | 8.34 | 31.52 | 90.1 | 6.81 | 2.5 | 4.2 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | SR10A | 10:56:33 | 3.4 | Middle | 2 | 2 | 19.97 | 8.33 | 31.46 | 90.2 | 6.82 | 2.2 | 5.5 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | SR10A | 10:57:32 | 5.7 | Bottom | 3 | 1 | 19.96 | 8.33 | 31.51 | 89.9 | 6.8 | 2.3 | 3 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | SR10A | 10:56:15 | 5.7 | Bottom | 3 | 2 | 19.97 | 8.33 | 31.49 | 90.2 | 6.81 | 2.3 | 3.6 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | SR10B | 10:49:36 | 1.0 | Surface | 1 | 1 | 19.94 | 8.32 | 31.71 | 90.2 | 6.81 | 2.7 | 11.7 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | SR10B | 10:49:06 | 1.0 | Surface | 1 | 2 | 19.94 | 8.32 | 31.69 | 90.4 | 6.83 | 2.9 | 11.5 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | SR10B | 10:48:50 | 4.4 | Bottom | 3 | 1 | 19.95 | 8.32 | 31.68 | 90.3 | 6.81 | 2.9 | 5.9 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | SR10B | 10:49:21 | 4.4 | Bottom | 3 | 2 | 19.95 | 8.32 | 31.69 | 90.1 | 6.8 | 2.8 | 4.4 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | CS2 | 13:27:41 | 1.0 | Surface | 1 | 1 | 20.15 | 8.21 | 25.83 | 92.9 | 7.23 | 8.2 | 4.1 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | CS2 | 13:26:55 | 1.0 | Surface | 1 | 2 | 20.16 | 8.21 | 25.88 | 92.7 | 7.22 | 8.1 | 5.8 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | CS2 | 13:26:42 | 4.0 | Middle | 2 | 1 | 20 | 8.27 | 29.84 | 92.6 | 7.06 | 8.8 | 4 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | CS2 | 13:27:28 | 4.0 | Middle | 2 | 2 | 19.97 | 8.27 | 30.14 | 92.7 | 7.06 | 8.6 | 4.6 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | CS2 | 13:26:28 | 7.0 | Bottom | 3 | 1 | 19.95 | 8.27 | 30.76 | 91.7 | 6.96 | 8.7 | 3.8 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | CS2 | 13:27:07 | 7.0 | Bottom | 3 | 2 | 19.99 | 8.26 | 30.63 | 92 | 6.98 | 8.5 | 2.5 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | CS(Mf)5 | 11:34:13 | 1.0 | Surface | 1 | 1 | 20.13 | 8.33 | 30 | 90.2 | 6.85 | 3.3 | 2.8 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | CS(Mf)5 | 11:33:20 | 1.0 | Surface | 1 | 2 | 20.11 | 8.33 | 30.14 | 90.1 | 6.85 | 3.6 | 2.3 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | CS(Mf)5 | 11:34:00 | 6.6 | Middle | 2 | 1 | 20.04 | 8.34 | 31.1 | 89.5 | 6.77 | 3.4 | 4.6 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | CS(Mf)5 | 11:33:07 | 6.6 | Middle | 2 | 2 | 20.04 | 8.34 | 31.1 | 89.6 | 6.78 | 3.7 | 5.4 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | CS(Mf)5 | 11:33:43 | 12.2 | Bottom | 3 | 1 | 20.02 | 8.34 | 31.16 | 89.5 | 6.77 | 3.9 | 4.7 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Ebb | Cloudy | CS(Mf)5 | 11:32:50 | 12.2 | Bottom | 3 | 2 | 20.02 | 8.34 | 31.14 | 89.4 | 6.76 | 4.2 | 3.6 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS5 | 16:28:44 | 1.0 | Surface | 1 | 1 | 20.03 | 8.34 | 28.21 | 92.2 | 7.1 | 7.5 | 9.3 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS5 | 16:29:35 | 1.0 | Surface | 1 | 2 | 20.03 | 8.34 | 28.15 | 91.5 | 7.04 | 7.7 | 9.2 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS5 | 16:28:31 | 4.4 | Middle | 2 | 1 | 20.03 | 8.34 | 28.3 | 92.5 | 7.12 | 7.5 | 10.5 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS5 | 16:29:13 | 4.4 | Middle | 2 | 2 | 20.03 | 8.34 | 28.31 | 91.2 | 7.01 | 8.1 | 11.4 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS5 | 16:28:16 | 7.8 | Bottom | 3 | 1 | 20.03 | 8.34 | 28.5 | 94.5 | 7.26 | 8.5 | 10.2 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS5 | 16:28:59 | 7.8 | Bottom | 3 | 2 | 20.03 | 8.34 | 28.35 | 91.3 | 7.02 | 8.6 | 11.7 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS(Mf)6 | 16:35:48 | 1.0 | Surface | 1 | 1 | 20.05 | 8.34 | 28.62 | 92 | 7.06 | 13.8 | 18.2 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS(Mf)6 | 16:36:17 | 1.0 | Surface | 1 | 2 | 20.05 | 8.33 | 28.61 | 91.7 | 7.03 | 14.1 | 17.7 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS(Mf)6 | 16:36:06 | 2.3 | Bottom | 3 | 1 | 20.05 | 8.33 | 28.61 | 91.7 | 7.03 | 14.9 | 17.3 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS(Mf)6 | 16:35:35 | 2.3 | Bottom | 3 | 2 | 20.05 | 8.34 | 28.62 | 92 | 7.06 | 15.1 | 17.8 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS7 | 16:44:54 | 1.0 | Surface | 1 | 1 | 20.06 | 8.34 | 28.6 | 91.6 | 7.03 | 15.3 | 17.1 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS7 | 16:44:03 | 1.0 | Surface | 1 | 2 | 20.06 | 8.34 | 28.61 | 91.4 | 7.01 | 14.9 | 18 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS7 | 16:43:47 | 2.5 | Bottom | 3 | 1 | 20.05 | 8.34 | 28.6 | 91.2 | 7 | 16.1 | 16.9 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS7 | 16:44:45 | 2.5 | Bottom | 3 | 2 | 20.05 | 8.33 | 28.6 | 91.9 | 7.05 | 14.6 | 16.5 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS8 | 17:10:10 | 1.0 | Surface | 1 | 1 | 20.05 | 8.34 | 28.28 | 91.7 | 7.05 | 5.9 | 8.4 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS8 | 17:10:36 | 1.0 | Surface | 1 | 2 | 20.05 | 8.34 | 28.26 | 92 | 7.07 | 5.7 | 9.4 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS8 | 17:10:00 | 2.8 | Bottom | 3 | 1 | 20.08 | 8.33 | 28.71 | 91.8 | 7.03 | 6.6 | 7.2 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS8 | 17:10:23 | 2.8 | Bottom | 3 | 2 | 20.07 | 8.33 | 28.7 | 91.9 | 7.04 | 6.7 | 6.1 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS(Mf)9 | 16:52:37 | 1.0 | Surface | 1 | 1 | 20.03 | 8.34 | 28.18 | 93 | 7.15 | 8.3 | 6.3 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS(Mf)9 | 16:53:04 | 1.0 | Surface | 1 | 2 | 20.02 | 8.34 | 28.1 | 93.4 | 7.19 | 7.7 | 6.2 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS(Mf)9 | 16:52:50 | 2.6 | Bottom | 3 | 1 | 20.07 | 8.34 | 28.71 | 93.1 | 7.13 | 10.9 | 7.5 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS(Mf)9 | 16:52:28 | 2.6 | Bottom | 3 | 2 | 20.07 | 8.34 | 28.8 | 93.1 | 7.13 | 11.3 | 6.1 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS10 | 18:11:20 | 1.0 | Surface | 1 | 1 | 20.15 | 8.25 | 28.35 | 91.7 | 7.03 | 13.4 | 9.6 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS10 | 18:12:00 | 1.0 | Surface | 1 | 2 | 20.16 | 8.25 | 28.01 | 91.7 | 7.05 | 13.4 | 10.4 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS10 | 18:11:06 | 5.3 | Middle | 2 | 1 | 20.12 | 8.26 | 29.29 | 91.1 | 6.96 | 14.2 | 8.5 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS10 | 18:11:45 | 5.3 | Middle | 2 | 2 | 20.11 | 8.27 | 29.39 | 91.1 | 6.95 | 14.4 | 9.4 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS10 | 18:11:33 | 9.6 | Bottom | 3 | 1 | 20.12 | 8.26 | 29.45 | 91.4 | 6.97 | 14.7 | 11.5 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | IS10 | 18:10:52 | 9.6 | Bottom | 3 | 2 | 20.07 | 8.27 | 29.82 | 91.1 | 6.94 | 14.5 | 10.3 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | SR3 | 16:16:39 | 0.9 | Middle | 2 | 1 | 20.03 | 8.35 | 28.28 | 92.5 | 7.11 | 8.1 | 7.6 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | SR3 | 16:16:26 | 0.9 | Middle | 2 | 2 | 20.03 | 8.36 | 28.3 | 93 | 7.15 | 8.5 | 8.8 | |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | SR4 | 17:02:49 | 1.0 | Surface | 1 | 1 | 20.03 | 8.34 | 28.15 | 92.6 | 7.12 | 4.2 | 10.6 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | SR4 | 17:03:47 | 1.0 | Surface | 1 | 2 | 20.03 | 8.34 | 28.12 | 92.7 | 7.14 | 4.4 | 9.4 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | SR4 | 17:02:36 | 2.4 | Bottom | 3 | 1 | 20.08 | 8.33 | 28.72 | 92.3 | 7.07 | 6.9 | 10.5 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | SR4 | 17:03:29 | 2.4 | Bottom | 3 | 2 | 20.08 | 8.33 | 28.76 | 91.9 | 7.05 | 7.3 | 10 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | SR5 | 17:58:41 | 1.0 | Surface | 1 | 1 | 20.16 | 8.25 | 28.29 | 92.2 | 7.07 | 4.8 | 6 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | SR5 | 17:58:08 | 1.0 | Surface | 1 | 2 | 20.15 | 8.25 | 28.6 | 92.4 | 7.08 | 5 | 7.5 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | SR5 | 17:57:55 | 3.4 | Bottom | 3 | 1 | 20.15 | 8.25 | 28.93 | 92.4 | 7.07 | 5.3 | 5.5 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | SR5 | 17:58:25 | 3.4 | Bottom | 3 | 2 | 20.15 | 8.25 | 29.01 | 92.1 | 7.04 | 5.4 | 5.9 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | SR10A | 18:26:02 | 1.0 | Surface | 1 | 1 | 19.96 | 8.37 | 31.74 | 89.5 | 6.76 | 6.2 | 3.6 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | SR10A | 18:25:13 | 1.0 | Surface | 1 | 2 | 19.96 | 8.37 | 31.75 | 89.7 | 6.77 | 5.8 | 4 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | SR10A | 18:24:56 | 3.5 | Middle | 2 | 1 | 19.96 | 8.37 | 31.75 | 89.6 | 6.76 | 6.2 | 12.6 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | SR10A | 18:25:44 | 3.5 | Middle | 2 | 2 | 19.96 | 8.37 | 31.75 | 89.3 | 6.74 | 6.3 | 12.8 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | SR10A | 18:24:40 | 6 | Bottom | 3 | 1 | 19.96 | 8.36 | 31.75 | 89.4 | 6.75 | 6.2 | 14.4 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | SR10A | 18:25:31 | 6 | Bottom | 3 | 2 | 19.96 | 8.37 | 31.75 | 89.3 | 6.74 | 5.7 | 13 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | SR10B | 18:32:08 | 1.0 | Surface | 1 | 1 | 19.96 | 8.37 | 31.74 | 89.4 | 6.75 | 6.1 | 11.5 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | SR10B | 18:32:55 | 1.0 | Surface | 1 | 2 | 19.96 | 8.37 | 31.74 | 89.4 | 6.74 | 5.7 | 10.4 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | SR10B | 18:32:45 | 4.6 | Bottom | 3 | 1 | 19.96 | 8.37 | 31.75 | 89.1 | 6.73 | 5.7 | 11.8 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | SR10B | 18:31:49 | 4.6 | Bottom | 3 | 2 | 19.96 | 8.37 | 31.75 | 89.2 | 6.73 | 6.1 | 11.3 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | CS2 | 16:16:33 | 1.0 | Surface | 1 | 1 | 20.28 | 8.24 | 27.47 | 90.9 | 6.99 | 6.3 | 5.5 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | CS2 | 16:17:27 | 1.0 | Surface | 1 | 2 | 20.27 | 8.24 | 27.4 | 90.2 | 6.95 | 6.1 | 5.5 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | CS2 | 16:17:04 | 4.0 | Middle | 2 | 1 | 20.29 | 8.25 | 27.71 | 90.4 | 6.94 | 6.7 | 11 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | CS2 | 16:16:18 | 4.0 | Middle | 2 | 2 | 20.29 | 8.25 | 27.74 | 91.4 | 7.02 | 6.9 | 12 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | CS2 | 16:16:49 | 6.9 | Bottom | 3 | 1 | 20.1 | 8.27 | 29.27 | 90.1 | 6.88 | 6.5 | 12.4 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | CS2 | 16:15:56 | 6.9 | Bottom | 3 | 2 | 20.06 | 8.29 | 29.37 | 92.2 | 7.04 | 6.6 | 12.3 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | CS(Mf)5 | 17:49:35 | 1.0 | Surface | 1 | 1 | 20.09 | 8.35 | 29.16 | 90.7 | 6.93 | 4.5 | 4.8 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | CS(Mf)5 | 17:51:01 | 1.0 | Surface | 1 | 2 | 20.08 | 8.35 | 29.04 | 91.3 | 6.99 | 4.4 | 3.6 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | CS(Mf)5 | 17:49:15 | 6.3 | Middle | 2 | 1 | 20.04 | 8.35 | 30.97 | 89 | 6.74 | 8 | 6.3 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | CS(Mf)5 | 17:50:38 | 6.3 | Middle | 2 | 2 | 20.05 | 8.35 | 30.92 | 89.7 | 6.79 | 8.5 | 5.6 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | CS(Mf)5 | 17:50:26 | 11.6 | Bottom | 3 | 1 | 20.05 | 8.34 | 30.98 | 90.5 | 6.84 | 10 | 4 | |
| HKLR | HY/2011/03 | 2013-04-08 | Mid-Flood | Cloudy | CS(Mf)5 | 17:48:59 | 11.6 | Bottom | 3 | 2 | 20.03 | 8.35 | 31.08 | 89.4 | 6.76 | 10 | 6.2 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS5 | 11:48:58 | 1.0 | Surface | 1 | 1 | 19.94 | 8.26 | 29.45 | 91.6 | 7.01 | 11.1 | 10.8 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS5 | 11:48:15 | 1.0 | Surface | 1 | 2 | 19.93 | 8.26 | 29.49 | 91.5 | 7 | 11.7 | 11.8 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS5 | 11:48:06 | 4.7 | Middle | 2 | 1 | 19.92 | 8.26 | 29.57 | 91.4 | 6.99 | 12.3 | 12.4 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS5 | 11:48:42 | 4.7 | Middle | 2 | 2 | 19.91 | 8.26 | 29.67 | 91.1 | 6.97 | 12.5 | 10.8 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS5 | 11:47:52 | 8.3 | Bottom | 3 | 1 | 19.91 | 8.26 | 29.71 | 91.3 | 6.98 | 12.9 | 12 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS5 | 11:48:29 | 8.3 | Bottom | 3 | 2 | 19.92 | 8.26 | 29.67 | 91.1 | 6.96 | 12.4 | 12.1 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS(Mf)6 | 11:55:23 | 1.0 | Surface | 1 | 1 | 20.01 | 8.22 | 28.32 | 89.6 | 6.89 | 10.8 | 13.7 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS(Mf)6 | 11:55:02 | 1.0 | Surface | 1 | 2 | 20.01 | 8.22 | 28.37 | 89.7 | 6.9 | 10.9 | 13.8 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS(Mf)6 | 11:55:10 | 2.3 | Bottom | 3 | 1 | 20.01 | 8.22 | 28.45 | 89.6 | 6.88 | 10.8 | 6.9 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS(Mf)6 | 11:54:49 | 2.3 | Bottom | 3 | 2 | 20.01 | 8.22 | 28.46 | 89.8 | 6.9 | 10.9 | 7.7 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS7 | 12:01:25 | 1.0 | Surface | 1 | 1 | 20.05 | 8.21 | 28.41 | 90.6 | 6.96 | 6.7 | 7.8 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS7 | 12:01:49 | 1.0 | Surface | 1 | 2 | 20.04 | 8.21 | 28.39 | 90.1 | 6.92 | 6.3 | 6.2 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS7 | 12:01:33 | 2.3 | Bottom | 3 | 1 | 20.05 | 8.21 | 28.41 | 90.1 | 6.93 | 6.6 | 5.8 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS7 | 12:01:20 | 2.3 | Bottom | 3 | 2 | 20.05 | 8.21 | 28.41 | 90.4 | 6.95 | 6.9 | 6.9 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS8 | 12:21:41 | 1.0 | Surface | 1 | 1 | 20.07 | 8.21 | 28.5 | 91.5 | 7.02 | 6.1 | 6.1 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS8 | 12:21:28 | 1.0 | Surface | 1 | 2 | 20.07 | 8.21 | 28.49 | 92.4 | 7.1 | 6.1 | 7.1 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS8 | 12:21:36 | 2.3 | Bottom | 3 | 1 | 20.07 | 8.21 | 28.5 | 91.3 | 7.01 | 6.1 | 5.7 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS8 | 12:21:20 | 2.3 | Bottom | 3 | 2 | 20.07 | 8.21 | 28.5 | 91.9 | 7.05 | 6.2 | 6.5 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS(Mf)9 | 12:08:21 | 1.0 | Surface | 1 | 1 | 20.06 | 8.22 | 28.34 | 90.5 | 6.96 | 7.8 | 8.4 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS(Mf)9 | 12:08:02 | 1.0 | Surface | 1 | 2 | 20.06 | 8.22 | 28.35 | 90.5 | 6.96 | 8.2 | 9 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS(Mf)9 | 12:08:07 | 2.4 | Bottom | 3 | 1 | 20.06 | 8.22 | 28.34 | 90.5 | 6.96 | 8 | 9 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS(Mf)9 | 12:07:57 | 2.4 | Bottom | 3 | 2 | 20.06 | 8.22 | 28.35 | 90.6 | 6.96 | 8.3 | 8.8 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS10 | 12:51:29 | 1.0 | Surface | 1 | 1 | 19.96 | 8.24 | 29.2 | 91.1 | 7 | 9.5 | 9.8 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS10 | 12:51:56 | 1.0 | Surface | 1 | 2 | 19.95 | 8.25 | 29.19 | 91.1 | 7 | 9.9 | 10 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS10 | 12:51:49 | 5.7 | Middle | 2 | 1 | 19.94 | 8.24 | 29.22 | 90.9 | 6.99 | 10.4 | 11.9 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS10 | 12:51:20 | 5.7 | Middle | 2 | 2 | 19.95 | 8.24 | 29.22 | 91 | 6.99 | 10.2 | 11.7 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS10 | 12:51:11 | 10.3 | Bottom | 3 | 1 | 19.95 | 8.24 | 29.28 | 90.9 | 6.99 | 10.5 | 10.9 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | IS10 | 12:51:41 | 10.3 | Bottom | 3 | 2 | 19.94 | 8.24 | 29.31 | 90.8 | 6.98 | 10.8 | 10.4 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | SR3 | 11:41:57 | 0.7 | Middle | 2 | 1 | 20 | 8.25 | 29.11 | 92.3 | 7.07 | 9.1 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | SR3 | 11:41:54 | 0.7 | Middle | 2 | 2 | 20 | 8.25 | 29.07 | 92.6 | 7.09 | 9 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | SR4 | 12:17:02 | 1.0 | Surface | 1 | 1 | 20.07 | 8.2 | 27.34 | 90.3 | 6.99 | 6.8 | 7.9 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | SR4 | 12:17:13 | 1.0 | Surface | 1 | 2 | 20.07 | 8.2 | 27.4 | 89.1 | 6.88 | 6.6 | 8.3 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | SR4 | 12:16:55 | 2.2 | Bottom | 3 | 1 | 20.05 | 8.2 | 27.18 | 89.7 | 6.93 | 6.7 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | SR4 | 12:17:09 | 2.2 | Bottom | 3 | 2 | 20.06 | 8.2 | 27.52 | 89.1 | 6.88 | 6.7 | 6.7 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | SR5 | 12:42:11 | 1.0 | Surface | 1 | 1 | 19.96 | 8.23 | 29.15 | 91.2 | 7.02 | 9.1 | 6.7 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | SR5 | 12:42:22 | 1.0 | Surface | 1 | 2 | 19.96 | 8.23 | 29.15 | 91.2 | 7.02 | 9 | 7.5 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | SR5 | 12:42:04 | 4.6 | Bottom | 3 | 1 | 19.96 | 8.22 | 29.16 | 91.2 | 7.01 | 9.1 | 7.8 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | SR5 | 12:42:16 | 4.6 | Bottom | 3 | 2 | 19.96 | 8.23 | 29.18 | 91.2 | 7.01 | 9.1 | 9.1 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | SR10A | 13:20:19 | 1.0 | Surface | 1 | 1 | 20 | 8.25 | 31.01 | 89 | 6.74 | 4.9 | 4.7 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | SR10A | 13:20:46 | 1.0 | Surface | 1 | 2 | 20 | 8.25 | 31.05 | 88.7 | 6.72 | 4.5 | 4.8 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | SR10A | 13:20:38 | 3.2 | Middle | 2 | 1 | 20 | 8.25 | 31.05 | 88.7 | 6.72 | 4.7 | 5.3 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | SR10A | 13:20:10 | 3.2 | Middle | 2 | 2 | 20 | 8.25 | 31.06 | 88.9 | 6.73 | 5 | 5.3 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | SR10A | 13:20:06 | 5.3 | Bottom | 3 | 1 | 20 | 8.25 | 31.05 | 88.9 | 6.73 | 5 | 4.9 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | SR10A | 13:20:28 | 5.3 | Bottom | 3 | 2 | 20.01 | 8.25 | 30.93 | 88.7 | 6.72 | 4.8 | 5.1 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | SR10B | 13:25:05 | 1.0 | Surface | 1 | 1 | 19.99 | 8.25 | 31.08 | 90.5 | 6.85 | 5.2 | 6.1 | |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | SR10B | 13:25:21 | 1.0 | Surface | 1 | 2 | 19.99 | 8.25 | 31.09 | 89.8 | 6.8 | 5 | 7.4 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | SR10B | 13:24:53 | 4.3 | Bottom | 3 | 1 | 19.99 | 8.25 | 31.12 | 90 | 6.82 | 5.3 | 6 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | SR10B | 13:25:11 | 4.3 | Bottom | 3 | 2 | 19.99 | 8.25 | 31.07 | 89.6 | 6.79 | 5.3 | 6.6 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | CS2 | 11:44:17 | 1.0 | Surface | 1 | 1 | 19.95 | 8.19 | 28.84 | 91.8 | 7.07 | 13.8 | 8.7 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | CS2 | 11:44:45 | 1.0 | Surface | 1 | 2 | 19.94 | 8.2 | 28.8 | 92 | 7.09 | 14 | 9.3 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | CS2 | 11:44:37 | 4.2 | Middle | 2 | 1 | 19.88 | 8.2 | 29.02 | 91.4 | 7.05 | 18 | 9 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | CS2 | 11:44:09 | 4.2 | Middle | 2 | 2 | 19.91 | 8.18 | 29.41 | 91.7 | 7.05 | 17.6 | 8.7 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | CS2 | 11:44:01 | 7.3 | Bottom | 3 | 1 | 19.84 | 8.16 | 30.01 | 90.8 | 6.96 | 20.9 | 8.2 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | CS2 | 11:44:28 | 7.3 | Bottom | 3 | 2 | 19.88 | 8.2 | 30.2 | 91.5 | 7.01 | 21.1 | 8.8 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | CS(Mf)5 | 12:57:15 | 1.0 | Surface | 1 | 1 | 20.02 | 8.25 | 29.74 | 88.1 | 6.67 | 8.1 | 8.9 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | CS(Mf)5 | 12:56:45 | 1.0 | Surface | 1 | 2 | 20.06 | 8.24 | 29.59 | 88.5 | 6.75 | 8 | 8 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | CS(Mf)5 | 12:56:32 | 6.7 | Middle | 2 | 1 | 20.02 | 8.24 | 30.81 | 88.2 | 6.67 | 8.8 | 9.4 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | CS(Mf)5 | 12:57:08 | 6.7 | Middle | 2 | 2 | 20 | 8.25 | 31.03 | 87.8 | 6.7 | 8.2 | 8.9 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | CS(Mf)5 | 12:56:19 | 12.4 | Bottom | 3 | 1 | 20.01 | 8.24 | 31.06 | 87.7 | 6.65 | 9.8 | 9.1 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Ebb | Fine | CS(Mf)5 | 12:56:59 | 12.4 | Bottom | 3 | 2 | 20.01 | 8.24 | 30.95 | 87.6 | 6.64 | 9.4 | 8.1 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS5 | 07:32:40 | 1.0 | Surface | 1 | 1 | 20.04 | 8.21 | 28.45 | 89.1 | 6.85 | 8.4 | 7.9 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS5 | 07:31:21 | 1.0 | Surface | 1 | 2 | 20.04 | 8.21 | 28.43 | 89.4 | 6.87 | 8.4 | 7.7 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS5 | 07:32:28 | 4.6 | Middle | 2 | 1 | 20.04 | 8.21 | 28.51 | 88.9 | 6.82 | 8.4 | 8.5 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS5 | 07:31:06 | 4.6 | Middle | 2 | 2 | 20.04 | 8.21 | 28.47 | 89.1 | 6.84 | 8.5 | 7 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS5 | 07:32:09 | 8.2 | Bottom | 3 | 1 | 20.05 | 8.21 | 28.58 | 88.7 | 6.81 | 9 | 7.8 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS5 | 07:30:43 | 8.2 | Bottom | 3 | 2 | 20.04 | 8.21 | 28.54 | 89.1 | 6.84 | 8.9 | 8 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS(Mf)6 | 07:22:45 | 1.0 | Surface | 1 | 1 | 20.03 | 8.2 | 28.47 | 90.5 | 6.95 | 5.8 | 7.5 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS(Mf)6 | 07:23:02 | 1.0 | Surface | 1 | 2 | 20.03 | 8.2 | 28.47 | 90.1 | 6.92 | 5.9 | 6.4 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS(Mf)6 | 07:22:40 | 2.4 | Bottom | 3 | 1 | 20.03 | 8.2 | 28.46 | 90.3 | 6.94 | 5.8 | 7.7 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS(Mf)6 | 07:22:54 | 2.4 | Bottom | 3 | 2 | 20.02 | 8.2 | 28.47 | 90 | 6.91 | 6 | 7.2 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS7 | 07:15:46 | 1.0 | Surface | 1 | 1 | 20.04 | 8.2 | 28.35 | 90 | 6.92 | 7.9 | 9.3 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS7 | 07:16:05 | 1.0 | Surface | 1 | 2 | 20.04 | 8.2 | 28.35 | 89.6 | 6.89 | 7.7 | 9.1 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS7 | 07:15:52 | 2.4 | Bottom | 3 | 1 | 20.04 | 8.2 | 28.35 | 89.5 | 6.88 | 8.1 | 5.8 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS7 | 07:15:32 | 2.4 | Bottom | 3 | 2 | 20.04 | 8.2 | 28.35 | 89.8 | 6.9 | 8.4 | 7.5 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS8 | 06:54:34 | 1.0 | Surface | 1 | 1 | 20.05 | 8.21 | 28.45 | 90.7 | 6.97 | 20 | 24.8 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS8 | 06:55:05 | 1.0 | Surface | 1 | 2 | 20.05 | 8.21 | 28.46 | 90.2 | 6.93 | 21.8 | 27.2 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS8 | 06:54:16 | 2.5 | Bottom | 3 | 1 | 20.05 | 8.21 | 28.49 | 90.5 | 6.95 | 22.8 | 22.6 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS8 | 06:54:46 | 2.5 | Bottom | 3 | 2 | 20.05 | 8.21 | 28.47 | 90.2 | 6.93 | 22.8 | 21.1 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS(Mf)9 | 07:09:50 | 1.0 | Surface | 1 | 1 | 20.03 | 8.21 | 28.33 | 90.9 | 6.99 | 20.5 | 16.4 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS(Mf)9 | 07:09:34 | 1.0 | Surface | 1 | 2 | 20.03 | 8.21 | 28.33 | 91.3 | 7.02 | 20.2 | 17.7 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS(Mf)9 | 07:09:23 | 2.4 | Bottom | 3 | 1 | 20.03 | 8.21 | 28.33 | 91.1 | 7 | 20.9 | 20.7 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS(Mf)9 | 07:09:40 | 2.4 | Bottom | 3 | 2 | 20.03 | 8.21 | 28.34 | 90.8 | 6.98 | 20.6 | 20.8 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS10 | 06:42:47 | 1.0 | Surface | 1 | 1 | 19.96 | 8.2 | 25.85 | 89.7 | 6.93 | 13.8 | 11.6 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS10 | 06:42:27 | 1.0 | Surface | 1 | 2 | 19.96 | 8.19 | 25.82 | 90.2 | 6.98 | 14 | 12.6 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS10 | 06:42:41 | 5.8 | Middle | 2 | 1 | 19.96 | 8.21 | 25.95 | 89 | 6.88 | 14.1 | 12.6 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS10 | 06:42:22 | 5.8 | Middle | 2 | 2 | 19.96 | 8.21 | 26.49 | 89.4 | 6.9 | 14.1 | 11 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS10 | 06:42:15 | 10.6 | Bottom | 3 | 1 | 19.96 | 8.21 | 28.12 | 89.6 | 6.85 | 14.3 | 11.9 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | IS10 | 06:42:36 | 10.6 | Bottom | 3 | 2 | 19.96 | 8.21 | 27.73 | 89.2 | 6.83 | 14.2 | 11.4 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | SR3 | 07:38:37 | 0.8 | Middle | 2 | 1 | 20.04 | 8.21 | 28.45 | 89.6 | 6.88 | 7.9 | 7.4 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | SR3 | 07:38:29 | 0.8 | Middle | 2 | 2 | 20.04 | 8.21 | 28.45 | 89.6 | 6.88 | 7.8 | 8.9 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | SR4 | 07:02:26 | 1.0 | Surface | 1 | 1 | 20.05 | 8.21 | 28.45 | 90.1 | 6.92 | 19.9 | 22.2 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | SR4 | 07:01:49 | 1.0 | Surface | 1 | 2 | 20.05 | 8.21 | 28.47 | 90 | 6.91 | 20.5 | 22.4 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | SR4 | 07:01:54 | 2.3 | Bottom | 3 | 1 | 20.05 | 8.21 | 28.46 | 90 | 6.91 | 20.9 | 22.9 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | SR4 | 07:01:42 | 2.3 | Bottom | 3 | 2 | 20.05 | 8.21 | 28.48 | 89.9 | 6.9 | 21.3 | 22.9 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | SR5 | 06:51:24 | 1.0 | Surface | 1 | 1 | 19.95 | 8.19 | 27.64 | 88.7 | 6.75 | 13.2 | 14.7 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | SR5 | 06:51:34 | 1.0 | Surface | 1 | 2 | 19.95 | 8.19 | 27.59 | 88.8 | 6.75 | 13 | 13.6 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | SR5 | 06:51:20 | 4.5 | Bottom | 3 | 1 | 19.96 | 8.19 | 27.71 | 88.5 | 6.73 | 14.3 | 12.1 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | SR5 | 06:51:29 | 4.5 | Bottom | 3 | 2 | 19.95 | 8.19 | 27.6 | 88.7 | 6.74 | 14.2 | 11.8 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | SR10A | 05:51:14 | 1.0 | Surface | 1 | 1 | 20.03 | 8.21 | 29.67 | 89.2 | 6.8 | 5.1 | 4.5 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | SR10A | 05:50:29 | 1.0 | Surface | 1 | 2 | 20.03 | 8.21 | 29.55 | 89.4 | 6.82 | 5 | 5.4 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | SR10A | 05:51:02 | 3.1 | Middle | 2 | 1 | 20.02 | 8.22 | 30.35 | 89 | 6.76 | 5.3 | 5.2 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | SR10A | 05:50:13 | 3.1 | Middle | 2 | 2 | 20.01 | 8.22 | 30.45 | 89.3 | 6.77 | 5.5 | 4.5 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | SR10A | 05:50:02 | 5.1 | Bottom | 3 | 1 | 20.02 | 8.21 | 30.75 | 89 | 6.76 | 6.2 | 5.2 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | SR10A | 05:50:53 | 5.1 | Bottom | 3 | 2 | 20.01 | 8.22 | 30.56 | 88.9 | 6.76 | 6.2 | 4.4 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | SR10B | 05:42:55 | 1.0 | Surface | 1 | 1 | 20.01 | 8.2 | 29.56 | 89.7 | 6.85 | 5.3 | 5.7 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | SR10B | 05:43:19 | 1.0 | Surface | 1 | 2 | 20.03 | 8.2 | 29.52 | 89.6 | 6.84 | 5.4 | 4.7 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | SR10B | 05:43:04 | 3.7 | Bottom | 3 | 1 | 20.02 | 8.2 | 30.74 | 89.6 | 6.79 | 5.6 | 5.7 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | SR10B | 05:42:49 | 3.7 | Bottom | 3 | 2 | 20.02 | 8.2 | 30.67 | 89.8 | 6.81 | 5.3 | 5 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | CS2 | 07:46:23 | 1.0 | Surface | 1 | 1 | 19.97 | 8.23 | 28.74 | 91.6 | 7 | 18 | 13.8 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | CS2 | 07:47:54 | 1.0 | Surface | 1 | 2 | 19.98 | 8.24 | 28.61 | 91.6 | 7 | 18.2 | 14.4 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | CS2 | 07:46:17 | 4.2 | Middle | 2 | 1 | 19.96 | 8.23 | 29.11 | 91.1 | 6.95 | 18.5 | 14.8 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | CS2 | 07:47:00 | 4.2 | Middle | 2 | 2 | 19.97 | 8.24 | 28.61 | 91 | 6.96 | 18.7 | 14.4 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | CS2 | 07:46:12 | 7.3 | Bottom | 3 | 1 | 19.95 | 8.23 | 29.67 | 91.1 | 6.93 | 19.9 | 12.5 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | CS2 | 07:46:28 | 7.3 | Bottom | 3 | 2 | 19.98 | 8.24 | 29.69 | 90.9 | 6.91 | 20 | 13.6 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | CS(Mf)5 | 06:25:03 | 1.0 | Surface | 1 | 1 | 20.01 | 8.23 | 29.67 | 88.4 | 6.74 | 5.4 | 4.9 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | CS(Mf)5 | 06:25:55 | 1.0 | Surface | 1 | 2 | 20.04 | 8.22 | 29.52 | 88.8 | 6.78 | 5.2 | 4.8 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | CS(Mf)5 | 06:25:39 | 6.6 | Middle | 2 | 1 | 20 | 8.23 | 30.93 | 88 | 6.66 | 5.4 | 4.1 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | CS(Mf)5 | 06:24:55 | 6.6 | Middle | 2 | 2 | 20 | 8.23 | 30.96 | 88.2 | 6.68 | 5.5 | 4.9 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | CS(Mf)5 | 06:25:22 | 12.1 | Bottom | 3 | 1 | 20 | 8.23 | 30.96 | 88 | 6.66 | 5.9 | 3.6 | |
| HKLR | HY/2011/03 | 2013-04-10 | Mid-Flood | Cloudy | CS(Mf)5 | 06:24:46 | 12.1 | Bottom | 3 | 2 | 20 | 8.22 | 30.95 | 88 | 6.66 | 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS5 | 12:59:56 | 1.0 | Surface | 1 | 1 | 19.66 | 8.33 | 29.21 | 90.2 | 6.95 | 11.1 | 13.5 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS5 | 13:00:27 | 1.0 | Surface | 1 | 2 | 19.66 | 8.33 | 29.21 | 90.1 | 6.94 | 11.3 | 13.4 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS5 | 13:00:18 | 4.3 | Middle | 2 | 1 | 19.66 | 8.33 | 29.23 | 89.8 | 6.92 | 10.5 | 14.5 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS5 | 12:59:42 | 4.3 | Middle | 2 | 2 | 19.65 | 8.33 | 29.25 | 89.9 | 6.93 | 10.8 | 13.9 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS5 | 12:59:31 | 7.6 | Bottom | 3 | 1 | 19.65 | 8.33 | 29.25 | 90 | 6.93 | 10.7 | 18.9 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS5 | 13:00:06 | 7.6 | Bottom | 3 | 2 | 19.65 | 8.33 | 29.25 | 89.9 | 6.92 | 10.9 | 19.5 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS(Mf)6 | 13:06:35 | 1.0 | Surface | 1 | 1 | 19.69 | 8.31 | 28.68 | 88.7 | 6.85 | 20.9 | 21 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS(Mf)6 | 13:06:59 | 1.0 | Surface | 1 | 2 | 19.67 | 8.31 | 28.71 | 88.3 | 6.82 | 20.5 | 20.5 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS(Mf)6 | 13:06:25 | 2.2 | Bottom | 3 | 1 | 19.66 | 8.31 | 28.83 | 89 | 6.87 | 22.7 | 22.3 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS(Mf)6 | 13:06:50 | 2.2 | Bottom | 3 | 2 | 19.65 | 8.31 | 28.94 | 88.3 | 6.82 | 22.6 | 22.7 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS7 | 13:13:34 | 1.0 | Surface | 1 | 1 | 19.9 | 8.31 | 28.18 | 90.2 | 6.96 | 5.1 | 9.1 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS7 | 13:13:09 | 1.0 | Surface | 1 | 2 | 19.9 | 8.31 | 28.18 | 90.6 | 6.99 | 5.2 | 9.2 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS7 | 13:12:55 | 2.4 | Bottom | 3 | 1 | 19.83 | 8.31 | 28.21 | 90.6 | 6.99 | 5.1 | 9.4 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS7 | 13:13:23 | 2.4 | Bottom | 3 | 2 | 19.75 | 8.31 | 28.24 | 89.9 | 6.96 | 5.1 | 9.1 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS8 | 13:37:50 | 1.0 | Surface | 1 | 1 | 19.79 | 8.3 | 28.27 | 88.4 | 6.83 | 7 | 9.4 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS8 | 13:37:30 | 1.0 | Surface | 1 | 2 | 19.75 | 8.3 | 28.31 | 88.4 | 6.84 | 7.3 | 9.5 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS8 | 13:37:40 | 2.8 | Bottom | 3 | 1 | 19.7 | 8.3 | 28.39 | 88.2 | 6.82 | 7.2 | 10.6 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS8 | 13:37:19 | 2.8 | Bottom | 3 | 2 | 19.68 | 8.3 | 28.47 | 88.4 | 6.83 | 7.3 | 10.2 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS(Mf)9 | 13:20:07 | 1.0 | Surface | 1 | 1 | 19.77 | 8.31 | 28.26 | 89.3 | 6.9 | 6.2 | 10.8 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS(Mf)9 | 13:19:42 | 1.0 | Surface | 1 | 2 | 19.78 | 8.31 | 28.26 | 89.5 | 6.91 | 6.5 | 10.4 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS(Mf)9 | 13:19:53 | 2.7 | Bottom | 3 | 1 | 19.68 | 8.31 | 28.3 | 89.2 | 6.9 | 6.3 | 10.4 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS(Mf)9 | 13:19:30 | 2.7 | Bottom | 3 | 2 | 19.68 | 8.31 | 28.31 | 89.5 | 6.92 | 6.1 | 10.9 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS10 | 14:10:47 | 1.0 | Surface | 1 | 1 | 19.92 | 8.19 | 28.31 | 88.7 | 6.83 | 9.5 | 6.1 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS10 | 14:09:58 | 1.0 | Surface | 1 | 2 | 19.95 | 8.18 | 28.17 | 89.2 | 6.88 | 9.1 | 7.4 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS10 | 14:10:32 | 5.1 | Middle | 2 | 1 | 19.75 | 8.2 | 29.08 | 88.1 | 6.78 | 14.5 | 6.9 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS10 | 14:09:34 | 5.1 | Middle | 2 | 2 | 19.74 | 8.2 | 29.19 | 88.1 | 6.78 | 14.5 | 7.2 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS10 | 14:09:19 | 9.1 | Bottom | 3 | 1 | 19.71 | 8.2 | 29.63 | 88.2 | 6.77 | 20.3 | 9.2 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | IS10 | 14:10:11 | 9.1 | Bottom | 3 | 2 | 19.75 | 8.2 | 29.41 | 88.3 | 6.78 | 19.8 | 10.3 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | SR3 | 12:53:32 | 0.8 | Middle | 2 | 1 | 19.67 | 8.33 | 29.2 | 88.9 | 6.84 | 9.4 | 8.7 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | SR3 | 12:53:16 | 0.8 | Middle | 2 | 2 | 19.68 | 8.33 | 29.22 | 89.4 | 6.89 | 9.8 | 8.7 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | SR4 | 13:29:43 | 1.0 | Surface | 1 | 1 | 19.77 | 8.29 | 27.91 | 88 | 6.81 | 6.7 | 11.4 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | SR4 | 13:29:24 | 1.0 | Surface | 1 | 2 | 19.77 | 8.29 | 27.91 | 88.2 | 6.83 | 6.8 | 10.9 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | SR4 | 13:29:14 | 2.7 | Bottom | 3 | 1 | 19.76 | 8.29 | 28.01 | 88.4 | 6.85 | 6.8 | 12.6 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | SR4 | 13:29:33 | 2.7 | Bottom | 3 | 2 | 19.77 | 8.29 | 28.05 | 88 | 6.81 | 6.5 | 13.1 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | SR5 | 13:56:47 | 1.0 | Surface | 1 | 1 | 19.9 | 8.16 | 28.35 | 88.9 | 6.85 | 8 | 16.1 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | SR5 | 13:57:20 | 1.0 | Surface | 1 | 2 | 19.94 | 8.17 | 28.21 | 89 | 6.86 | 7.7 | 17.3 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | SR5 | 13:57:04 | 4.7 | Bottom | 3 | 1 | 19.78 | 8.17 | 28.95 | 88.3 | 6.79 | 10.9 | 10.2 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | SR5 | 13:56:33 | 4.7 | Bottom | 3 | 2 | 19.73 | 8.18 | 29.34 | 88.5 | 6.8 | 11.8 | 10.4 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | SR10A | 15:05:21 | 1.0 | Surface | 1 | 1 | 19.97 | 8.34 | 29.69 | 89.8 | 6.86 | 4.3 | 4 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | SR10A | 15:05:57 | 1.0 | Surface | 1 | 2 | 19.97 | 8.33 | 29.66 | 90.1 | 6.88 | 4 | 3.1 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | SR10A | 15:05:43 | 3.2 | Middle | 2 | 1 | 19.97 | 8.33 | 29.82 | 89.9 | 6.86 | 4.3 | 5.9 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | SR10A | 15:05:12 | 3.2 | Middle | 2 | 2 | 19.94 | 8.34 | 30.12 | 89.6 | 6.82 | 4.4 | 5.6 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | SR10A | 15:05:30 | 5.4 | Bottom | 3 | 1 | 19.97 | 8.33 | 29.83 | 89.9 | 6.86 | 4.2 | 5 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | SR10A | 15:05:01 | 5.4 | Bottom | 3 | 2 | 19.94 | 8.33 | 30.28 | 90.1 | 6.86 | 4.3 | 5.9 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | SR10B | 15:14:49 | 1.0 | Surface | 1 | 1 | 19.98 | 8.33 | 29.49 | 90.8 | 6.94 | 3.8 | 4.8 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | SR10B | 15:15:14 | 1.0 | Surface | 1 | 2 | 19.97 | 8.33 | 29.57 | 90.3 | 6.9 | 4 | 5.2 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | SR10B | 15:14:37 | 4.1 | Bottom | 3 | 1 | 19.98 | 8.33 | 29.59 | 90.8 | 6.94 | 3.9 | 4.8 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | SR10B | 15:15:03 | 4.1 | Bottom | 3 | 2 | 19.96 | 8.33 | 29.82 | 90.3 | 6.89 | 4.1 | 4.7 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | CS2 | 12:46:51 | 1.0 | Surface | 1 | 1 | 19.88 | 8.13 | 28.37 | 89.2 | 6.88 | 8.5 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | CS2 | 12:48:01 | 1.0 | Surface | 1 | 2 | 19.89 | 8.15 | 28.36 | 89.2 | 6.88 | 8.2 | 6.2 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | CS2 | 12:47:39 | 3.5 | Middle | 2 | 1 | 19.73 | 8.16 | 28.96 | 88.7 | 6.84 | 11 | 8.7 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | CS2 | 12:46:31 | 3.5 | Middle | 2 | 2 | 19.84 | 8.12 | 28.49 | 89.2 | 6.88 | 11.2 | 8 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | CS2 | 12:46:05 | 5.9 | Bottom | 3 | 1 | 19.7 | 8.13 | 29.69 | 89.5 | 6.87 | 17.5 | 8.8 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | CS2 | 12:47:08 | 5.9 | Bottom | 3 | 2 | 19.71 | 8.16 | 30.18 | 88.7 | 6.78 | 15.9 | 8.1 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | CS(Mf)5 | 14:42:37 | 1.0 | Surface | 1 | 1 | 19.79 | 8.32 | 29.18 | 88 | 6.76 | 7.6 | 9.9 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | CS(Mf)5 | 14:42:00 | 1.0 | Surface | 1 | 2 | 19.79 | 8.32 | 29.25 | 88.2 | 6.77 | 7.3 | 8.8 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | CS(Mf)5 | 14:42:26 | 6.3 | Middle | 2 | 1 | 19.79 | 8.33 | 29.51 | 87.4 | 6.7 | 9 | 10.6 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | CS(Mf)5 | 14:41:47 | 6.3 | Middle | 2 | 2 | 19.78 | 8.33 | 29.44 | 87.6 | 6.73 | 8.5 | 10.4 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | CS(Mf)5 | 14:41:30 | 11.5 | Bottom | 3 | 1 | 19.83 | 8.32 | 30.26 | 87.8 | 6.7 | 10 | 10.2 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Ebb | Cloudy | CS(Mf)5 | 14:42:13 | 11.5 | Bottom | 3 | 2 | 19.81 | 8.32 | 30.08 | 87.7 | 6.7 | 10.3 | 10.4 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS5 | 08:40:07 | 1.0 | Surface | 1 | 1 | 19.55 | 8.32 | 28.75 | 88.3 | 6.83 | 6.7 | 9.9 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS5 | 08:39:28 | 1.0 | Surface | 1 | 2 | 19.54 | 8.32 | 28.74 | 88.4 | 6.84 | 6.9 | 9.8 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS5 | 08:39:16 | 4.5 | Middle | 2 | 1 | 19.57 | 8.32 | 28.85 | 88.2 | 6.82 | 7.1 | 9.5 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS5 | 08:39:55 | 4.5 | Middle | 2 | 2 | 19.57 | 8.32 | 28.83 | 88.1 | 6.81 | 7 | 8.4 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS5 | 08:39:41 | 7.9 | Bottom | 3 | 1 | 19.57 | 8.31 | 28.85 | 88 | 6.81 | 7.1 | 9.9 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS5 | 08:39:05 | 7.9 | Bottom | 3 | 2 | 19.58 | 8.32 | 28.86 | 88.1 | 6.81 | 7.2 | 9.5 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS(Mf)6 | 08:32:16 | 1.0 | Surface | 1 | 1 | 19.56 | 8.32 | 28.74 | 88.9 | 6.88 | 12.2 | 12.8 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS(Mf)6 | 08:31:48 | 1.0 | Surface | 1 | 2 | 19.57 | 8.32 | 28.74 | 89.3 | 6.91 | 12.6 | 13.6 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS(Mf)6 | 08:31:59 | 2.3 | Bottom | 3 | 1 | 19.57 | 8.32 | 28.74 | 89.1 | 6.89 | 13.3 | 12.6 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS(Mf)6 | 08:31:38 | 2.3 | Bottom | 3 | 2 | 19.57 | 8.32 | 28.75 | 89.6 | 6.93 | 13.4 | 12.4 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS7 | 08:24:53 | 1.0 | Surface | 1 | 1 | 19.6 | 8.32 | 28.49 | 89.4 | 6.93 | 10.2 | 11.8 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS7 | 08:25:21 | 1.0 | Surface | 1 | 2 | 19.61 | 8.32 | 28.5 | 89 | 6.89 | 10.4 | 10.7 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS7 | 08:25:10 | 2.2 | Bottom | 3 | 1 | 19.6 | 8.32 | 28.6 | 89 | 6.89 | 11.5 | 10.6 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS7 | 08:24:40 | 2.2 | Bottom | 3 | 2 | 19.6 | 8.31 | 28.53 | 89.7 | 6.95 | 11.5 | 10.8 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS8 | 08:02:51 | 1.0 | Surface | 1 | 1 | 19.69 | 8.31 | 28.09 | 88.9 | 6.89 | 14.1 | 16.1 | |

| 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS8 | 08:03:10 | 1.0 | Surface | 1 | 2 | 19.69 | 8.31 | 28.08 | 88.8 | 6.88 | 14.4 | 17.3 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS8 | 08:02:41 | 3.4 | Bottom | 3 | 1 | 19.69 | 8.31 | 28.11 | 88.9 | 6.89 | 15.1 | 15.4 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS8 | 08:03:00 | 3.4 | Bottom | 3 | 2 | 19.69 | 8.31 | 28.09 | 88.7 | 6.87 | 15.2 | 15.8 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS(Mf)9 | 08:18:04 | 1.0 | Surface | 1 | 1 | 19.7 | 8.31 | 28.27 | 88.9 | 6.88 | 12.5 | 16.5 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS(Mf)9 | 08:18:26 | 1.0 | Surface | 1 | 2 | 19.7 | 8.31 | 28.29 | 88.5 | 6.85 | 12.8 | 16.2 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS(Mf)9 | 08:17:53 | 2.8 | Bottom | 3 | 1 | 19.7 | 8.31 | 28.32 | 89.2 | 6.9 | 13.1 | 13.9 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS(Mf)9 | 08:18:13 | 2.8 | Bottom | 3 | 2 | 19.7 | 8.31 | 28.37 | 88.6 | 6.86 | 13.1 | 13.3 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS10 | 07:50:35 | 1.0 | Surface | 1 | 1 | 19.76 | 8.18 | 28.36 | 87.3 | 6.74 | 15.1 | 10.9 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS10 | 07:51:50 | 1.0 | Surface | 1 | 2 | 19.75 | 8.18 | 28.32 | 87.4 | 6.76 | 15.2 | 11.4 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS10 | 07:51:21 | 5.2 | Middle | 2 | 1 | 19.78 | 8.21 | 29.35 | 87.4 | 6.71 | 17 | 11 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS10 | 07:49:59 | 5.2 | Middle | 2 | 2 | 19.77 | 8.2 | 29.36 | 87.4 | 6.71 | 18.1 | 11 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS10 | 07:49:37 | 9.3 | Bottom | 3 | 1 | 19.77 | 8.2 | 29.38 | 87.2 | 6.7 | 20.9 | 13.8 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | IS10 | 07:51:01 | 9.3 | Bottom | 3 | 2 | 19.78 | 8.21 | 29.36 | 87.1 | 6.69 | 21.2 | 14.1 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | SR3 | 08:44:53 | 0.7 | Middle | 2 | 1 | 19.57 | 8.32 | 28.93 | 90 | 6.95 | 7.4 | 14.7 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | SR3 | 08:45:07 | 0.7 | Middle | 2 | 2 | 19.57 | 8.32 | 28.93 | 89.3 | 6.9 | 7.4 | 15.3 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | SR4 | 08:08:45 | 1.0 | Surface | 1 | 1 | 19.64 | 8.31 | 27.98 | 88.8 | 6.89 | 14.5 | 13.5 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | SR4 | 08:08:17 | 1.0 | Surface | 1 | 2 | 19.64 | 8.31 | 27.99 | 88.9 | 6.9 | 14.8 | 13.6 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | SR4 | 08:08:05 | 2.9 | Bottom | 3 | 1 | 19.65 | 8.31 | 28.01 | 88.9 | 6.9 | 15.5 | 19.2 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | SR4 | 08:08:30 | 2.9 | Bottom | 3 | 2 | 19.65 | 8.31 | 27.99 | 88.7 | 6.88 | 15.4 | 18 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | SR5 | 07:59:53 | 1.0 | Surface | 1 | 1 | 19.73 | 8.19 | 28.3 | 87.3 | 6.75 | 14.9 | 14 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | SR5 | 07:59:13 | 1.0 | Surface | 1 | 2 | 19.74 | 8.19 | 28.31 | 87.4 | 6.76 | 15.5 | 13.4 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | SR5 | 07:58:49 | 4.6 | Bottom | 3 | 1 | 19.77 | 8.2 | 29.13 | 87.3 | 6.72 | 21.6 | 15.7 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | SR5 | 07:59:30 | 4.6 | Bottom | 3 | 2 | 19.78 | 8.2 | 29.21 | 87.2 | 6.7 | 20.7 | 13 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | SR10A | 07:06:12 | 1.0 | Surface | 1 | 1 | 19.79 | 8.32 | 30.39 | 88.4 | 6.75 | 4.5 | 6.7 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | SR10A | 07:06:49 | 1.0 | Surface | 1 | 2 | 19.78 | 8.33 | 30.24 | 87.9 | 6.71 | 4.5 | 7.2 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | SR10A | 07:06:37 | 3.3 | Middle | 2 | 1 | 19.81 | 8.33 | 30.59 | 87.7 | 6.68 | 4.4 | 12.8 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | SR10A | 07:06:00 | 3.3 | Middle | 2 | 2 | 19.79 | 8.32 | 30.35 | 88.4 | 6.75 | 4.5 | 12.6 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | SR10A | 07:06:25 | 5.6 | Bottom | 3 | 1 | 19.84 | 8.32 | 30.89 | 88 | 6.69 | 4.8 | 13.3 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | SR10A | 07:05:49 | 5.6 | Bottom | 3 | 2 | 19.79 | 8.32 | 30.34 | 88.5 | 6.76 | 4.7 | 12.4 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | SR10B | 07:00:51 | 1.0 | Surface | 1 | 1 | 19.86 | 8.32 | 31.59 | 87.8 | 6.64 | 7.2 | 14.8 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | SR10B | 07:01:13 | 1.0 | Surface | 1 | 2 | 19.86 | 8.32 | 31.6 | 87.5 | 6.62 | 7.5 | 13.4 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | SR10B | 07:01:01 | 3.9 | Bottom | 3 | 1 | 19.86 | 8.32 | 31.59 | 87.5 | 6.62 | 7.4 | 19.1 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | SR10B | 07:00:40 | 3.9 | Bottom | 3 | 2 | 19.86 | 8.32 | 31.59 | 87.8 | 6.65 | 7.6 | 20.4 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | CS2 | 09:11:47 | 1.0 | Surface | 1 | 1 | 19.7 | 8.19 | 28.25 | 87.5 | 6.77 | 12 | 16.3 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | CS2 | 09:12:40 | 1.0 | Surface | 1 | 2 | 19.7 | 8.2 | 28.26 | 87.4 | 6.76 | 13.1 | 17.7 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | CS2 | 09:11:20 | 3.3 | Middle | 2 | 1 | 19.75 | 8.2 | 28.69 | 87 | 6.72 | 15.3 | 16.7 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | CS2 | 09:12:25 | 3.3 | Middle | 2 | 2 | 19.76 | 8.21 | 28.78 | 87.2 | 6.72 | 16.2 | 17.4 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | CS2 | 09:12:12 | 5.6 | Bottom | 3 | 1 | 19.78 | 8.21 | 29.19 | 87.2 | 6.71 | 21.7 | 19.7 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | CS2 | 09:10:47 | 5.6 | Bottom | 3 | 2 | 19.78 | 8.21 | 29.24 | 87.1 | 6.7 | 20.9 | 19.1 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | CS(Mf)5 | 07:34:20 | 1.0 | Surface | 1 | 1 | 19.73 | 8.34 | 28.95 | 87.6 | 6.75 | 7.3 | 14 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | CS(Mf)5 | 07:33:34 | 1.0 | Surface | 1 | 2 | 19.74 | 8.34 | 28.96 | 87.9 | 6.77 | 7.3 | 13.6 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | CS(Mf)5 | 07:34:08 | 6.4 | Middle | 2 | 1 | 19.86 | 8.34 | 30.85 | 87 | 6.61 | 12.5 | 13.5 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | CS(Mf)5 | 07:33:22 | 6.4 | Middle | 2 | 2 | 19.87 | 8.34 | 30.9 | 87.6 | 6.65 | 12.4 | 15.1 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | CS(Mf)5 | 07:33:10 | 11.7 | Bottom | 3 | 1 | 19.88 | 8.33 | 31.04 | 88.4 | 6.7 | 13.4 | 14.2 | |
| HKLR | HY/2011/03 | 2013-04-12 | Mid-Flood | Cloudy | CS(Mf)5 | 07:33:53 | 11.7 | Bottom | 3 | 2 | 19.88 | 8.34 | 31.04 | 87.3 | 6.62 | 13.6 | 13.4 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS5 | 14:36:27 | 1.0 | Surface | 1 | 1 | 21.1 | 8.27 | 25.7 | 88.7 | 6.79 | 6 | 7.2 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS5 | 14:35:56 | 1.0 | Surface | 1 | 2 | 21.08 | 8.27 | 25.73 | 88.8 | 6.8 | 6.1 | 8.3 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS5 | 14:36:14 | 4.3 | Middle | 2 | 1 | 20.65 | 8.27 | 26.57 | 87.5 | 6.72 | 6.6 | 6.4 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS5 | 14:35:44 | 4.3 | Middle | 2 | 2 | 20.65 | 8.27 | 26.57 | 87.5 | 6.72 | 6.8 | 6.1 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS5 | 14:35:34 | 7.6 | Bottom | 3 | 1 | 20.78 | 8.26 | 27.03 | 88.1 | 6.74 | 6.5 | 7.1 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS5 | 14:36:06 | 7.6 | Bottom | 3 | 2 | 20.74 | 8.26 | 26.72 | 87.9 | 6.73 | 6.7 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS(Mf)6 | 14:41:47 | 1.0 | Surface | 1 | 1 | 20.92 | 8.21 | 24.52 | 85.3 | 6.6 | 7.6 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS(Mf)6 | 14:42:15 | 1.0 | Surface | 1 | 2 | 21.14 | 8.22 | 24.09 | 85.9 | 6.64 | 7.3 | 7.7 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS(Mf)6 | 14:42:05 | 2.3 | Bottom | 3 | 1 | 20.89 | 8.21 | 25.47 | 85.3 | 6.56 | 8.5 | 4.7 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS(Mf)6 | 14:41:32 | 2.3 | Bottom | 3 | 2 | 20.81 | 8.21 | 26.14 | 85.3 | 6.55 | 8.6 | 5.1 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS7 | 14:50:09 | 1.0 | Surface | 1 | 1 | 21.19 | 8.22 | 24.4 | 85.7 | 6.6 | 7.6 | 4.1 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS7 | 14:50:28 | 1.0 | Surface | 1 | 2 | 21.39 | 8.22 | 24.09 | 86.2 | 6.63 | 7.4 | 4.5 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS7 | 14:50:16 | 2.3 | Bottom | 3 | 1 | 21.06 | 8.21 | 24.87 | 85.3 | 6.57 | 8.5 | 3.7 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS7 | 14:49:57 | 2.3 | Bottom | 3 | 2 | 20.85 | 8.21 | 25.32 | 85.3 | 6.58 | 8.6 | 4.7 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS8 | 15:12:29 | 1.0 | Surface | 1 | 1 | 21.71 | 8.23 | 24.21 | 88.4 | 6.75 | 5.2 | 4.6 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS8 | 15:12:51 | 1.0 | Surface | 1 | 2 | 21.69 | 8.23 | 24.2 | 88.4 | 6.75 | 5.3 | 4.8 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS8 | 15:12:41 | 2.8 | Bottom | 3 | 1 | 20.99 | 8.23 | 26.05 | 87.2 | 6.67 | 5.8 | 3.3 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS8 | 15:12:20 | 2.8 | Bottom | 3 | 2 | 21.11 | 8.23 | 25.93 | 87.8 | 6.72 | 5.5 | 4 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS(Mf)9 | 14:56:53 | 1.0 | Surface | 1 | 1 | 22.18 | 8.21 | 23.44 | 86.9 | 6.61 | 5.5 | 4.9 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS(Mf)9 | 14:57:12 | 1.0 | Surface | 1 | 2 | 21.82 | 8.21 | 23.63 | 86.7 | 6.63 | 5.8 | 4.8 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS(Mf)9 | 14:56:40 | 2.6 | Bottom | 3 | 1 | 20.91 | 8.2 | 25.6 | 86 | 6.62 | 7.6 | 5.2 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS(Mf)9 | 14:57:04 | 2.6 | Bottom | 3 | 2 | 21.02 | 8.21 | 25.4 | 85.7 | 6.58 | 7.2 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS10 | 15:28:00 | 1.0 | Surface | 1 | 1 | 22.54 | 8.14 | 22.71 | 90.3 | 6.85 | 5 | 1.3 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS10 | 15:27:29 | 1.0 | Surface | 1 | 2 | 21.95 | 8.16 | 23.59 | 89.9 | 6.86 | 5.4 | 1.6 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS10 | 15:27:48 | 5.6 | Middle | 2 | 1 | 21.53 | 8.18 | 24.55 | 89.6 | 6.85 | 5.6 | 5.2 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS10 | 15:27:13 | 5.6 | Middle | 2 | 2 | 21.49 | 8.17 | 24.77 | 89.1 | 6.81 | 5.5 | 4.8 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS10 | 15:27:38 | 10.1 | Bottom | 3 | 1 | 21.64 | 8.17 | 24.55 | 89.4 | 6.82 | 6.3 | 3.1 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | IS10 | 15:26:58 | 10.1 | Bottom | 3 | 2 | 21.46 | 8.17 | 24.99 | 89.1 | 6.8 | 6 | 3.4 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | SR3 | 14:25:02 | 0.7 | Middle | 2 | 1 | 21.01 | 8.24 | 25.84 | 90.9 | 6.97 | 5.2 | 8.2 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | SR3 | 14:24:50 | 0.7 | Middle | 2 | 2 | 21.02 | 8.23 | 25.86 | 91.3 | 6.99 | 5.3 | 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | SR4 | 15:07:09 | 1.0 | Surface | 1 | 1 | 21.53 | 8.22 | 24.75 | 87 | 6.65 | 4.7 | 4.1 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | SR4 | 15:07:30 | 1.0 | Surface | 1 | 2 | 21.36 | 8.22 | 24.7 | 85.9 | 6.58 | 4.6 | 4 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | SR4 | 15:07:19 | 2.6 | Bottom | 3 | 1 | 20.98 | 8.22 | 25.14 | 85.7 | 6.59 | 4.5 | 4.7 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | SR4 | 15:06:56 | 2.6 | Bottom | 3 | 2 | 21.16 | 8.21 | 25.6 | 86.7 | 6.63 | 4.6 | 3.3 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | SR5 | 15:21:33 | 1.0 | Surface | 1 | 1 | 21.61 | 8.17 | 24.07 | 89.4 | 6.85 | 5 | 5 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | SR5 | 15:21:14 | 1.0 | Surface | 1 | 2 | 21.52 | 8.18 | 23.67 | 89.4 | 6.87 | 5.3 | 5.6 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | SR5 | 15:20:57 | 4.0 | Bottom | 3 | 1 | 21.43 | 8.17 | 25.1 | 89 | 6.8 | 5.7 | 2.2 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | SR5 | 15:21:23 | 4.0 | Bottom | 3 | 2 | 21.55 | 8.17 | 24.92 | 89.2 | 6.8 | 5.3 | 3.7 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | SR10A | 16:40:05 | 1.0 | Surface | 1 | 1 | 21.42 | 8.28 | 26.56 | 89.6 | 6.79 | 3.4 | 3.8 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | SR10A | 16:39:29 | 1.0 | Surface | 1 | 2 | 21.35 | 8.28 | 26.73 | 89.4 | 6.77 | 3.4 | 4.1 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | SR10A | 16:39:19 | 3.2 | Middle | 2 | 1 | 21.24 | 8.28 | 27.1 | 89 | 6.74 | 3.3 | 4.8 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | SR10A | 16:39:54 | 3.2 | Middle | 2 | 2 | 21.28 | 8.28 | 27 | 89.2 | 6.75 | 3.3 | 4.9 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | SR10A | 16:39:09 | 5.3 | Bottom | 3 | 1 | 21.22 | 8.28 | 27.22 | 88.9 | 6.73 | 3.3 | 4 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | SR10A | 16:39:44 | 5.3 | Bottom | 3 | 2 | 21.27 | 8.28 | 27.07 | 89.2 | 6.75 | 3.1 | 4.5 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | SR10B | 16:44:41 | 1.0 | Surface | 1 | 1 | 21.28 | 8.28 | 27.09 | 89.1 | 6.74 | 3.7 | 3.1 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | SR10B | 16:44:20 | 1.0 | Surface | 1 | 2 | 21.28 | 8.28 | 27.08 | 89.1 | 6.75 | 3.7 | 4.7 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | SR10B | 16:44:30 | 3.9 | Bottom | 3 | 1 | 21.25 | 8.28 | 27.23 | 88.9 | 6.73 | 3.7 | 3.7 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | SR10B | 16:44:10 | 3.9 | Bottom | 3 | 2 | 21.26 | 8.28 | 27.16 | 89.1 | 6.74 | 3.7 | 4.3 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | CS2 | 14:22:24 | 1.0 | Surface | 1 | 1 | 21.87 | 8.19 | 22.92 | 90.5 | 6.94 | 5.4 | 4.4 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | CS2 | 14:21:10 | 1.0 | Surface | 1 | 2 | 21.64 | 8.23 | 23.57 | 90.4 | 6.94 | 5.7 | 3.2 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | CS2 | 14:20:53 | 4.0 | Middle | 2 | 1 | 20.71 | 8.27 | 27.01 | 88.2 | 6.75 | 6 | 2.8 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | CS2 | 14:22:00 | 4.0 | Middle | 2 | 2 | 20.8 | 8.25 | 26.53 | 87.3 | 6.69 | 6 | 2.5 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | CS2 | 14:20:34 | 7.0 | Bottom | 3 | 1 | 20.55 | 8.27 | 27.62 | 87.8 | 6.72 | 6.2 | 2.7 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | CS2 | 14:21:52 | 7.0 | Bottom | 3 | 2 | 20.61 | 8.25 | 27.18 | 86.8 | 6.65 | 6.4 | 2.9 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | CS(Mf)5 | 16:15:25 | 1.0 | Surface | 1 | 1 | 21.44 | 8.28 | 25.54 | 86.5 | 6.59 | 5.6 | 3.4 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | CS(Mf)5 | 16:14:47 | 1.0 | Surface | 1 | 2 | 21.86 | 8.27 | 25.17 | 86.2 | 6.53 | 5.7 | 4.3 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | CS(Mf)5 | 16:14:36 | 6.3 | Middle | 2 | 1 | 20.21 | 8.3 | 28.35 | 84 | 6.44 | 8.5 | 5.1 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | CS(Mf)5 | 16:15:14 | 6.3 | Middle | 2 | 2 | 20.27 | 8.29 | 28.33 | 83.9 | 6.42 | 8.4 | 5.3 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | CS(Mf)5 | 16:15:02 | 11.5 | Bottom | 3 | 1 | 20.19 | 8.27 | 30.17 | 84.9 | 6.44 | 9.6 | 6.1 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Ebb | Sunny | CS(Mf)5 | 16:14:27 | 11.5 | Bottom | 3 | 2 | 20.18 | 8.28 | 30.2 | 84.7 | 6.42 | 9.2 | 5.5 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS5 | 09:48:17 | 1.0 | Surface | 1 | 1 | 20.62 | 8.25 | 25.24 | 87 | 6.74 | 6.4 | 4.4 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS5 | 09:49:04 | 1.0 | Surface | 1 | 2 | 20.63 | 8.24 | 25 | 86.9 | 6.74 | 6.4 | 3.8 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS5 | 09:48:51 | 4.4 | Middle | 2 | 1 | 20.59 | 8.25 | 25.98 | 86.6 | 6.68 | 7.6 | 6.4 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS5 | 09:48:06 | 4.4 | Middle | 2 | 2 | 20.58 | 8.25 | 26.02 | 86.7 | 6.69 | 7.4 | 6.4 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS5 | 09:48:40 | 7.7 | Bottom | 3 | 1 | 20.59 | 8.24 | 26.37 | 86.5 | 6.66 | 7.5 | 6.4 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS5 | 09:47:54 | 7.7 | Bottom | 3 | 2 | 20.58 | 8.24 | 26.25 | 86.8 | 6.68 | 7.6 | 5.2 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS(Mf)6 | 09:40:45 | 1.0 | Surface | 1 | 1 | 20.61 | 8.22 | 24.35 | 85.3 | 6.65 | 4.2 | 3.6 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS(Mf)6 | 09:40:27 | 1.0 | Surface | 1 | 2 | 20.62 | 8.22 | 24.18 | 85.3 | 6.65 | 4 | 3 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS(Mf)6 | 09:40:37 | 2.2 | Bottom | 3 | 1 | 20.61 | 8.22 | 24.51 | 85.3 | 6.63 | 4.2 | 4.2 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS(Mf)6 | 09:40:14 | 2.2 | Bottom | 3 | 2 | 20.61 | 8.22 | 24.47 | 85.4 | 6.65 | 4.2 | 3.3 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS7 | 09:33:55 | 1.0 | Surface | 1 | 1 | 20.7 | 8.23 | 24.75 | 86.4 | 6.71 | 3.8 | 4.4 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS7 | 09:33:37 | 1.0 | Surface | 1 | 2 | 20.77 | 8.23 | 24.5 | 86.4 | 6.7 | 4 | 4.8 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS7 | 09:33:45 | 2.5 | Bottom | 3 | 1 | 20.7 | 8.23 | 25.37 | 86.3 | 6.67 | 4.4 | 3.6 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS7 | 09:33:24 | 2.5 | Bottom | 3 | 2 | 20.67 | 8.23 | 25.06 | 86.5 | 6.7 | 4.2 | 2.3 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS8 | 09:10:24 | 1.0 | Surface | 1 | 1 | 20.64 | 8.21 | 23.94 | 83.5 | 6.52 | 5.1 | 4.4 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS8 | 09:10:50 | 1.0 | Surface | 1 | 2 | 20.64 | 8.21 | 23.92 | 83.4 | 6.51 | 5.3 | 4.9 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS8 | 09:10:39 | 3.4 | Bottom | 3 | 1 | 20.6 | 8.2 | 25.4 | 83.3 | 6.45 | 6.1 | 10.6 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS8 | 09:10:11 | 3.4 | Bottom | 3 | 2 | 20.62 | 8.2 | 24.39 | 83.4 | 6.5 | 6.3 | 10 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS(Mf)9 | 09:27:32 | 1.0 | Surface | 1 | 1 | 20.71 | 8.23 | 24.31 | 85 | 6.61 | 6.2 | 4.5 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS(Mf)9 | 09:27:08 | 1.0 | Surface | 1 | 2 | 20.76 | 8.23 | 24.28 | 85.3 | 6.63 | 6.5 | 4.4 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS(Mf)9 | 09:27:19 | 2.7 | Bottom | 3 | 1 | 20.63 | 8.22 | 25.68 | 84.9 | 6.56 | 6.5 | 4 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS(Mf)9 | 09:26:58 | 2.7 | Bottom | 3 | 2 | 20.66 | 8.22 | 25.66 | 85.4 | 6.59 | 6.6 | 3.8 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS10 | 09:14:07 | 1.0 | Surface | 1 | 1 | 20.62 | 8.12 | 25 | 84.2 | 6.53 | 9.4 | 4.8 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS10 | 09:13:44 | 1.0 | Surface | 1 | 2 | 20.62 | 8.12 | 25.05 | 84.4 | 6.54 | 9.2 | 3.9 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS10 | 09:13:31 | 5.6 | Middle | 2 | 1 | 20.59 | 8.12 | 25.3 | 84.4 | 6.54 | 9.3 | 4.2 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS10 | 09:13:58 | 5.6 | Middle | 2 | 2 | 20.58 | 8.12 | 25.32 | 84.1 | 6.52 | 9.3 | 5.2 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS10 | 09:13:25 | 10.1 | Bottom | 3 | 1 | 20.61 | 8.11 | 25.19 | 84.3 | 6.53 | 9.6 | 4.5 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | IS10 | 09:13:52 | 10.1 | Bottom | 3 | 2 | 20.61 | 8.11 | 25.24 | 84.1 | 6.52 | 10.1 | 4 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | SR3 | 09:56:01 | 0.8 | Middle | 2 | 1 | 20.65 | 8.23 | 24.84 | 86.8 | 6.74 | 4.7 | 4.9 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | SR3 | 09:55:47 | 0.8 | Middle | 2 | 2 | 20.64 | 8.23 | 24.88 | 86.9 | 6.75 | 5 | 4.8 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | SR4 | 09:16:29 | 1.0 | Surface | 1 | 1 | 20.61 | 8.19 | 23.31 | 82.9 | 6.49 | 8.7 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | SR4 | 09:16:52 | 1.0 | Surface | 1 | 2 | 20.62 | 8.19 | 23.21 | 82.7 | 6.48 | 8.2 | 5.4 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | SR4 | 09:16:39 | 3.0 | Bottom | 3 | 1 | 20.6 | 8.19 | 23.43 | 82.7 | 6.48 | 8.4 | 6 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | SR4 | 09:16:15 | 3.0 | Bottom | 3 | 2 | 20.59 | 8.19 | 23.41 | 83 | 6.5 | 9 | 6.4 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | SR5 | 09:20:59 | 1.0 | Surface | 1 | 1 | 20.66 | 8.11 | 24.78 | 83.9 | 6.51 | 9.8 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | SR5 | 09:20:14 | 1.0 | Surface | 1 | 2 | 20.63 | 8.12 | 24.98 | 84 | 6.51 | 9.6 | 6.1 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | SR5 | 09:20:29 | 4.2 | Bottom | 3 | 1 | 20.6 | 8.12 | 25.21 | 83.9 | 6.5 | 9.7 | 4.5 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | SR5 | 09:20:03 | 4.2 | Bottom | 3 | 2 | 20.6 | 8.12 | 25.15 | 83.8 | 6.5 | 9.7 | 5.2 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | SR10A | 08:09:20 | 1.0 | Surface | 1 | 1 | 20.45 | 8.25 | 25.49 | 85.7 | 6.65 | 3.7 | 4.6 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | SR10A | 08:08:26 | 1.0 | Surface | 1 | 2 | 20.46 | 8.24 | 25.5 | 85.7 | 6.65 | 3.7 | 5 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | SR10A | 08:08:11 | 3.3 | Middle | 2 | 1 | 20.32 | 8.26 | 27.43 | 86 | 6.61 | 3.5 | 4.7 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | SR10A | 08:09:07 | 3.3 | Middle | 2 | 2 | 20.33 | 8.26 | 27.49 | 85.9 | 6.6 | 3.5 | 4.5 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | SR10A | 08:08:46 | 5.6 | Bottom | 3 | 1 | 20.31 | 8.25 | 27.91 | 85.2 | 6.54 | 3.6 | 4.2 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | SR10A | 08:07:59 | 5.6 | Bottom | 3 | 2 | 20.28 | 8.25 | 28.52 | 85.6 | 6.54 | 3.5 | 4.6 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | SR10B | 08:02:09 | 1.0 | Surface | 1 | 1 | 20.12 | 8.3 | 29.59 | 86 | 6.55 | 3.3 | 4.1 | |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | SR10B | 08:02:33 | 1.0 | Surface | 1 | 2 | 20.15 | 8.29 | 29.38 | 85.9 | 6.55 | 3.4 | 3.9 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | SR10B | 08:02:20 | 4.0 | Bottom | 3 | 1 | 20.06 | 8.3 | 31.16 | 85.6 | 6.47 | 3.6 | 5.2 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | SR10B | 08:01:59 | 4.0 | Bottom | 3 | 2 | 20.08 | 8.29 | 31.23 | 85.9 | 6.49 | 3.4 | 5.4 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | CS2 | 10:34:58 | 1.0 | Surface | 1 | 1 | 20.62 | 8.13 | 25.19 | 84 | 6.51 | 9.2 | 3.7 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | CS2 | 10:34:20 | 1.0 | Surface | 1 | 2 | 20.58 | 8.13 | 25.28 | 84 | 6.51 | 9.1 | 3.4 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | CS2 | 10:34:08 | 4.3 | Middle | 2 | 1 | 20.33 | 8.15 | 27.68 | 83.5 | 6.41 | 9.7 | 5.4 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | CS2 | 10:34:44 | 4.3 | Middle | 2 | 2 | 20.39 | 8.15 | 27.22 | 83.7 | 6.43 | 9.4 | 5 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | CS2 | 10:34:01 | 7.5 | Bottom | 3 | 1 | 20.32 | 8.15 | 27.91 | 83.3 | 6.39 | 10 | 4.5 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | CS2 | 10:34:33 | 7.5 | Bottom | 3 | 2 | 20.39 | 8.15 | 27.87 | 83.5 | 6.4 | 10.4 | 4.1 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | CS(Mf)5 | 08:38:26 | 1.0 | Surface | 1 | 1 | 20.53 | 8.27 | 24.12 | 85.4 | 6.67 | 4.4 | 2.3 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | CS(Mf)5 | 08:37:45 | 1.0 | Surface | 1 | 2 | 20.49 | 8.28 | 24.1 | 85.8 | 6.7 | 4.5 | 2.6 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | CS(Mf)5 | 08:37:34 | 6.3 | Middle | 2 | 1 | 20.21 | 8.29 | 29.23 | 85.2 | 6.49 | 4.2 | 4.1 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | CS(Mf)5 | 08:38:14 | 6.3 | Middle | 2 | 2 | 20.16 | 8.3 | 29.39 | 84.7 | 6.46 | 4.5 | 3.6 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | CS(Mf)5 | 08:37:15 | 11.6 | Bottom | 3 | 1 | 20.13 | 8.28 | 30.57 | 84.4 | 6.39 | 5.6 | 6 | |
| HKLR | HY/2011/03 | 2013-04-15 | Mid-Flood | Sunny | CS(Mf)5 | 08:38:03 | 11.6 | Bottom | 3 | 2 | 20.13 | 8.28 | 30.59 | 84.3 | 6.38 | 5.6 | 6.7 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS5 | 16:00:41 | 1.0 | Surface | 1 | 1 | 21.74 | 8.29 | 24.27 | 90.2 | 6.88 | 6.2 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS5 | 15:59:59 | 1.0 | Surface | 1 | 2 | 21.77 | 8.28 | 24.24 | 90.5 | 6.91 | 5.7 | 7 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS5 | 16:00:27 | 4.8 | Middle | 2 | 1 | 20.89 | 8.31 | 27.46 | 87.3 | 6.64 | 9.2 | 6.4 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS5 | 15:59:42 | 4.8 | Middle | 2 | 2 | 20.98 | 8.31 | 26.97 | 87.1 | 6.64 | 8.3 | 7.5 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS5 | 16:00:15 | 8.5 | Bottom | 3 | 1 | 20.74 | 8.3 | 28.6 | 87.8 | 6.65 | 8.5 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS5 | 15:59:29 | 8.5 | Bottom | 3 | 2 | 20.68 | 8.31 | 28.67 | 87.1 | 6.6 | 9 | 6.4 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS(Mf)6 | 16:06:37 | 1.0 | Surface | 1 | 1 | 21.82 | 8.25 | 23.48 | 93.1 | 7.12 | 4.9 | 3.9 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS(Mf)6 | 16:06:17 | 1.0 | Surface | 1 | 2 | 21.84 | 8.25 | 23.21 | 92.9 | 7.12 | 5.2 | 4.3 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS(Mf)6 | 16:06:28 | 2.3 | Bottom | 3 | 1 | 21.81 | 8.24 | 23.44 | 92.9 | 7.12 | 7.4 | 4 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS(Mf)6 | 16:06:08 | 2.3 | Bottom | 3 | 2 | 21.82 | 8.25 | 23.91 | 92.8 | 7.09 | 7.7 | 4.1 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS7 | 16:13:10 | 1.0 | Surface | 1 | 1 | 21.65 | 8.25 | 23.68 | 91.8 | 7.04 | 4.1 | 4.2 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS7 | 16:12:49 | 1.0 | Surface | 1 | 2 | 21.74 | 8.25 | 23.21 | 92.5 | 7.1 | 4 | 3.8 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS7 | 16:13:00 | 2.5 | Bottom | 3 | 1 | 21.75 | 8.25 | 24.78 | 92 | 7 | 4.9 | 4.3 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS7 | 16:12:37 | 2.5 | Bottom | 3 | 2 | 21.79 | 8.25 | 24.5 | 92.6 | 7.05 | 5.1 | 5.8 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS8 | 16:38:15 | 1.0 | Surface | 1 | 1 | 21.33 | 8.23 | 24.14 | 87.3 | 6.72 | 4.6 | 5 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS8 | 16:37:40 | 1.0 | Surface | 1 | 2 | 21.31 | 8.23 | 24.18 | 87.9 | 6.77 | 4.2 | 5.9 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS8 | 16:38:06 | 2.5 | Bottom | 3 | 1 | 21.37 | 8.22 | 25.47 | 87.5 | 6.67 | 5.7 | 5.7 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS8 | 16:37:28 | 2.5 | Bottom | 3 | 2 | 21.38 | 8.23 | 25.43 | 88.2 | 6.73 | 5 | 5 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS(Mf)9 | 16:19:51 | 1.0 | Surface | 1 | 1 | 21.6 | 8.25 | 24.45 | 90.8 | 6.94 | 4.4 | 8.4 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS(Mf)9 | 16:19:27 | 1.0 | Surface | 1 | 2 | 21.61 | 8.25 | 24.44 | 91.1 | 6.96 | 4.4 | 7.1 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS(Mf)9 | 16:19:15 | 2.5 | Bottom | 3 | 1 | 21.59 | 8.25 | 24.94 | 91.2 | 6.95 | 4.2 | 10.2 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS(Mf)9 | 16:19:40 | 2.5 | Bottom | 3 | 2 | 21.57 | 8.25 | 24.96 | 90.8 | 6.92 | 4.4 | 11.9 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS10 | 17:23:22 | 1.0 | Surface | 1 | 1 | 21.55 | 8.12 | 18.62 | 86.9 | 6.87 | 10.1 | 2.2 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS10 | 17:24:10 | 1.0 | Surface | 1 | 2 | 21.57 | 8.12 | 18.46 | 87.7 | 6.94 | 10.3 | 3.3 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS10 | 17:23:11 | 5.2 | Middle | 2 | 1 | 20.9 | 8.11 | 27.04 | 83.6 | 6.38 | 14.6 | 3.2 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS10 | 17:23:57 | 5.2 | Middle | 2 | 2 | 20.8 | 8.11 | 27.36 | 84.7 | 6.46 | 14.8 | 3.3 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS10 | 17:22:51 | 9.4 | Bottom | 3 | 1 | 20.83 | 8.1 | 29.46 | 86.5 | 6.51 | 15.8 | 2.3 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | IS10 | 17:23:46 | 9.4 | Bottom | 3 | 2 | 20.81 | 8.1 | 29.41 | 87.6 | 6.59 | 15.4 | 3.2 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | SR3 | 15:49:34 | 0.8 | Middle | 2 | 1 | 21.75 | 8.26 | 24.39 | 93 | 7.09 | 5.4 | 6.4 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | SR3 | 15:49:46 | 0.8 | Middle | 2 | 2 | 21.76 | 8.26 | 24.39 | 92.9 | 7.09 | 5.3 | 7 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | SR4 | 16:30:46 | 1.0 | Surface | 1 | 1 | 21.57 | 8.19 | 24.37 | 83.2 | 6.36 | 5.9 | 3.4 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | SR4 | 16:30:13 | 1.0 | Surface | 1 | 2 | 21.56 | 8.19 | 24.43 | 83.6 | 6.39 | 5.6 | 3.5 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | SR4 | 16:29:55 | 2.3 | Bottom | 3 | 1 | 21.56 | 8.18 | 24.76 | 83.7 | 6.39 | 5.8 | 6.1 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | SR4 | 16:30:30 | 2.3 | Bottom | 3 | 2 | 21.55 | 8.18 | 24.85 | 83.2 | 6.35 | 6 | 5.3 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | SR5 | 17:10:45 | 1.0 | Surface | 1 | 1 | 21.69 | 8.08 | 18.71 | 92.8 | 7.32 | 4.6 | 3.3 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | SR5 | 17:10:22 | 1.0 | Surface | 1 | 2 | 21.48 | 8.1 | 19.37 | 89 | 7.05 | 4.4 | 2.7 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | SR5 | 17:10:32 | 3.6 | Bottom | 3 | 1 | 21.72 | 8.08 | 21.17 | 91.3 | 7.09 | 4.6 | 3.9 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | SR5 | 17:10:14 | 3.6 | Bottom | 3 | 2 | 21.18 | 8.08 | 21.3 | 88.8 | 6.79 | 4.5 | 3 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | SR10A | 17:37:40 | 1.0 | Surface | 1 | 1 | 21.64 | 8.25 | 22.81 | 91 | 7.02 | 2.5 | 3.5 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | SR10A | 17:38:26 | 1.0 | Surface | 1 | 2 | 21.69 | 8.25 | 22.64 | 91.6 | 7.06 | 2.3 | 3.4 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | SR10A | 17:37:27 | 3.3 | Middle | 2 | 1 | 21.42 | 8.25 | 23.92 | 89.8 | 6.91 | 2.4 | 3.7 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | SR10A | 17:38:08 | 3.3 | Middle | 2 | 2 | 21.45 | 8.25 | 23.82 | 89.9 | 6.92 | 2.4 | 2.7 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | SR10A | 17:37:13 | 5.5 | Bottom | 3 | 1 | 21.37 | 8.25 | 24.74 | 89.9 | 6.89 | 2.4 | 6 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | SR10A | 17:37:54 | 5.5 | Bottom | 3 | 2 | 21.42 | 8.24 | 24.3 | 90.3 | 6.93 | 2.4 | 7 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | SR10B | 17:47:07 | 1.0 | Surface | 1 | 1 | 21.5 | 8.26 | 22.84 | 90.5 | 6.99 | 2.4 | 4.1 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | SR10B | 17:47:28 | 1.0 | Surface | 1 | 2 | 21.74 | 8.25 | 22.54 | 92 | 7.09 | 2.2 | 3.9 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | SR10B | 17:46:54 | 4.4 | Bottom | 3 | 1 | 21.41 | 8.25 | 24.22 | 90.1 | 6.92 | 2.5 | 4.9 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | SR10B | 17:47:17 | 4.4 | Bottom | 3 | 2 | 21.57 | 8.25 | 23.39 | 90.9 | 6.99 | 2.3 | 4.4 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | CS2 | 15:47:43 | 1.0 | Surface | 1 | 1 | 21.5 | 8.03 | 19.47 | 87.5 | 6.89 | 7.2 | 1.4 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | CS2 | 15:48:22 | 1.0 | Surface | 1 | 2 | 21.49 | 8.03 | 19.53 | 88.6 | 6.98 | 7.5 | 1.8 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | CS2 | 15:47:32 | 3.8 | Middle | 2 | 1 | 21.26 | 8.06 | 23.97 | 85.5 | 6.59 | 8.7 | 2.1 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | CS2 | 15:48:08 | 3.8 | Middle | 2 | 2 | 21.38 | 8.07 | 22.76 | 87.2 | 6.76 | 8.8 | 2.2 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | CS2 | 15:47:54 | 6.6 | Bottom | 3 | 1 | 21.02 | 8.05 | 27.33 | 86.2 | 6.54 | 8.7 | 2.7 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | CS2 | 15:47:05 | 6.6 | Bottom | 3 | 2 | 20.82 | 8.04 | 27.57 | 85.4 | 6.5 | 8.9 | 2.9 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | CS(Mf)5 | 17:11:13 | 1.0 | Surface | 1 | 1 | 21.45 | 8.25 | 22.32 | 88.6 | 6.87 | 4.8 | 6.5 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | CS(Mf)5 | 17:12:08 | 1.0 | Surface | 1 | 2 | 21.45 | 8.24 | 22.3 | 88.8 | 6.89 | 4.8 | 7.3 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | CS(Mf)5 | 17:11:50 | 6.4 | Middle | 2 | 1 | 21.43 | 8.26 | 23.1 | 86.9 | 6.72 | 4.9 | 6.1 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | CS(Mf)5 | 17:10:58 | 6.4 | Middle | 2 | 2 | 21.35 | 8.27 | 23.25 | 86.8 | 6.71 | 4.8 | 7 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | CS(Mf)5 | 17:11:35 | 11.7 | Bottom | 3 | 1 | 20.67 | 8.27 | 28.71 | 85.6 | 6.49 | 5 | 6.3 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Ebb | Rainy | CS(Mf)5 | 17:10:45 | 11.7 | Bottom | 3 | 2 | 20.7 | 8.26 | 28.83 | 86.2 | 6.52 | 4.7 | 7.9 | |

| 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS5 | 10:31:29 | 1.0 | Surface | 1 | 1 | 21.44 | 8.25 | 25.42 | 86.6 | 6.6 | 7 | 6.3 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS5 | 10:30:28 | 1.0 | Surface | 1 | 2 | 21.34 | 8.25 | 25.62 | 85.3 | 6.5 | 7.3 | 6 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS5 | 10:31:05 | 4.8 | Middle | 2 | 1 | 21.04 | 8.25 | 26.62 | 83.6 | 6.37 | 7.5 | 7.1 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS5 | 10:30:13 | 4.8 | Middle | 2 | 2 | 21.03 | 8.25 | 26.66 | 83.7 | 6.38 | 7.4 | 6.6 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS5 | 10:30:49 | 8.6 | Bottom | 3 | 1 | 20.96 | 8.25 | 26.99 | 83.8 | 6.39 | 7.7 | 11.6 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS5 | 10:30:02 | 8.6 | Bottom | 3 | 2 | 20.96 | 8.25 | 27 | 83.9 | 6.39 | 7.5 | 10.4 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS(Mf)6 | 10:22:02 | 1.0 | Surface | 1 | 1 | 21.48 | 8.25 | 25.02 | 90.1 | 6.88 | 4.7 | 4.7 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS(Mf)6 | 10:22:23 | 1.0 | Surface | 1 | 2 | 21.45 | 8.25 | 25.08 | 90 | 6.87 | 4.8 | 3.4 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS(Mf)6 | 10:22:11 | 2.2 | Bottom | 3 | 1 | 21.41 | 8.24 | 25.36 | 90.1 | 6.87 | 4.9 | 4 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS(Mf)6 | 10:21:47 | 2.2 | Bottom | 3 | 2 | 21.36 | 8.24 | 25.42 | 89.6 | 6.84 | 4.7 | 4.2 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS7 | 10:15:59 | 1.0 | Surface | 1 | 1 | 21.67 | 8.24 | 24.7 | 90.3 | 6.88 | 4.8 | 5 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS7 | 10:15:40 | 1.0 | Surface | 1 | 2 | 21.62 | 8.24 | 24.57 | 90.1 | 6.88 | 5.2 | 5.1 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS7 | 10:15:28 | 2.5 | Bottom | 3 | 1 | 21.35 | 8.24 | 25.57 | 89 | 6.79 | 6.5 | 7.7 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS7 | 10:15:50 | 2.5 | Bottom | 3 | 2 | 21.39 | 8.24 | 25.48 | 89.8 | 6.85 | 6.1 | 6.1 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS8 | 09:40:25 | 1.0 | Surface | 1 | 1 | 21.5 | 8.2 | 23.1 | 87.7 | 6.77 | 3.1 | 5.5 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS8 | 09:40:45 | 1.0 | Surface | 1 | 2 | 21.5 | 8.21 | 23.11 | 87.7 | 6.77 | 3.2 | 4.6 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS8 | 09:40:15 | 2.6 | Bottom | 3 | 1 | 21.36 | 8.2 | 23.48 | 87.4 | 6.75 | 3.2 | 6.2 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS8 | 09:40:34 | 2.6 | Bottom | 3 | 2 | 21.39 | 8.2 | 23.48 | 87.4 | 6.75 | 3.2 | 6.1 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS(Mf)9 | 10:08:32 | 1.0 | Surface | 1 | 1 | 21.53 | 8.23 | 23.76 | 88.5 | 6.8 | 3.5 | 6.3 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS(Mf)9 | 10:08:07 | 1.0 | Surface | 1 | 2 | 21.52 | 8.23 | 23.69 | 88.6 | 6.81 | 3.6 | 7.1 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS(Mf)9 | 10:08:20 | 2.7 | Bottom | 3 | 1 | 21.33 | 8.23 | 25.24 | 88.1 | 6.73 | 3.5 | 7.6 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS(Mf)9 | 10:07:56 | 2.7 | Bottom | 3 | 2 | 21.31 | 8.23 | 25.29 | 88.1 | 6.74 | 3.7 | 8.6 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS10 | 09:24:57 | 1.0 | Surface | 1 | 1 | 21.41 | 8.11 | 24.23 | 87.3 | 6.7 | 19.5 | 6.2 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS10 | 09:24:05 | 1.0 | Surface | 1 | 2 | 21.41 | 8.11 | 24.32 | 87.6 | 6.72 | 19.5 | 6.9 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS10 | 09:24:34 | 5.3 | Middle | 2 | 1 | 20.99 | 8.15 | 26.54 | 84.2 | 6.43 | 20.9 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS10 | 09:23:46 | 5.3 | Middle | 2 | 2 | 21.01 | 8.15 | 26.51 | 84.7 | 6.47 | 20.6 | 6.1 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS10 | 09:23:36 | 9.6 | Bottom | 3 | 1 | 20.79 | 8.14 | 28.71 | 84.9 | 6.42 | 21.7 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | IS10 | 09:24:23 | 9.6 | Bottom | 3 | 2 | 20.73 | 8.14 | 28.45 | 84.6 | 6.42 | 20.8 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | SR3 | 10:37:19 | 0.9 | Middle | 2 | 1 | 21.47 | 8.24 | 25.34 | 88.3 | 6.73 | 6.3 | 8.9 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | SR3 | 10:37:06 | 0.9 | Middle | 2 | 2 | 21.47 | 8.24 | 25.36 | 88.2 | 6.72 | 6.4 | 9.9 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | SR4 | 09:46:10 | 1.0 | Surface | 1 | 1 | 21.55 | 8.18 | 22.81 | 86.2 | 6.66 | 6.2 | 5.3 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | SR4 | 09:46:29 | 1.0 | Surface | 1 | 2 | 21.54 | 8.18 | 22.7 | 86.1 | 6.65 | 6.1 | 6.5 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | SR4 | 09:46:20 | 2.4 | Bottom | 3 | 1 | 21.5 | 8.17 | 23.19 | 86 | 6.63 | 6.4 | 8.3 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | SR4 | 09:46:00 | 2.4 | Bottom | 3 | 2 | 21.47 | 8.18 | 23.48 | 86.3 | 6.65 | 6.3 | 7.7 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | SR5 | 09:32:11 | 1.0 | Surface | 1 | 1 | 21.66 | 8.1 | 23.17 | 85.4 | 6.57 | 6.3 | 4.6 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | SR5 | 09:31:47 | 1.0 | Surface | 1 | 2 | 21.57 | 8.09 | 23.19 | 85.1 | 6.55 | 6.5 | 4.6 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | SR5 | 09:31:34 | 3.8 | Bottom | 3 | 1 | 21.08 | 8.12 | 26.5 | 84.3 | 6.43 | 7.4 | 5.3 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | SR5 | 09:32:00 | 3.8 | Bottom | 3 | 2 | 21.1 | 8.12 | 26.42 | 84.1 | 6.41 | 7.5 | 5.2 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | SR10A | 08:34:49 | 1.0 | Surface | 1 | 1 | 21.08 | 8.27 | 27.03 | 88.6 | 6.73 | 2 | 3.8 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | SR10A | 08:34:08 | 1.0 | Surface | 1 | 2 | 21.07 | 8.27 | 27.07 | 88.7 | 6.74 | 2.2 | 4.6 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | SR10A | 08:33:53 | 3.4 | Middle | 2 | 1 | 20.88 | 8.28 | 27.87 | 87.5 | 6.64 | 2.1 | 6 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | SR10A | 08:34:35 | 3.4 | Middle | 2 | 2 | 20.9 | 8.28 | 27.82 | 87.5 | 6.64 | 2 | 7.2 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | SR10A | 08:33:41 | 5.8 | Bottom | 3 | 1 | 20.75 | 8.27 | 28.54 | 87.4 | 6.62 | 2 | 7.2 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | SR10A | 08:34:24 | 5.8 | Bottom | 3 | 2 | 20.75 | 8.27 | 28.53 | 87.3 | 6.62 | 2.1 | 8.3 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | SR10B | 08:28:25 | 1.0 | Surface | 1 | 1 | 20.76 | 8.28 | 28.86 | 86.8 | 6.56 | 2 | 3.6 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | SR10B | 08:27:40 | 1.0 | Surface | 1 | 2 | 20.8 | 8.29 | 28.75 | 86.7 | 6.56 | 2 | 3.9 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | SR10B | 08:27:25 | 4.5 | Bottom | 3 | 1 | 20.51 | 8.29 | 30.19 | 86.2 | 6.5 | 2 | 5.5 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | SR10B | 08:27:53 | 4.5 | Bottom | 3 | 2 | 20.58 | 8.28 | 29.82 | 85.9 | 6.48 | 2.1 | 6.9 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | CS2 | 10:51:45 | 1.0 | Surface | 1 | 1 | 21.24 | 8.09 | 21.99 | 83.1 | 6.49 | 9.9 | 3.6 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | CS2 | 10:52:20 | 1.0 | Surface | 1 | 2 | 21.27 | 8.09 | 21.91 | 83.1 | 6.49 | 9.5 | 4.1 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | CS2 | 10:52:08 | 4.0 | Middle | 2 | 1 | 20.92 | 8.13 | 25.89 | 82.3 | 6.31 | 9.8 | 5.8 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | CS2 | 10:51:34 | 4.0 | Middle | 2 | 2 | 20.92 | 8.13 | 25.97 | 82 | 6.29 | 9.6 | 6.6 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | CS2 | 10:51:20 | 7.0 | Bottom | 3 | 1 | 20.82 | 8.13 | 27.62 | 81.3 | 6.19 | 9.6 | 8.1 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | CS2 | 10:51:57 | 7.0 | Bottom | 3 | 2 | 20.94 | 8.11 | 27.73 | 82 | 6.22 | 9.7 | 8 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | CS(Mf)5 | 09:07:37 | 1.0 | Surface | 1 | 1 | 21.42 | 8.21 | 22.8 | 87.7 | 6.79 | 3.6 | 5.6 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | CS(Mf)5 | 09:06:27 | 1.0 | Surface | 1 | 2 | 21.39 | 8.23 | 23.04 | 87.4 | 6.76 | 3.5 | 6.9 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | CS(Mf)5 | 09:06:02 | 6.7 | Middle | 2 | 1 | 20.82 | 8.28 | 27.5 | 85.4 | 6.51 | 2.7 | 5.8 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | CS(Mf)5 | 09:07:03 | 6.7 | Middle | 2 | 2 | 20.84 | 8.28 | 27.34 | 85.3 | 6.5 | 2.7 | 5.5 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | CS(Mf)5 | 09:05:41 | 12.4 | Bottom | 3 | 1 | 20.43 | 8.27 | 29.74 | 84.5 | 6.39 | 2.8 | 5.8 | |
| HKLR | HY/2011/03 | 2013-04-17 | Mid-Flood | Cloudy | CS(Mf)5 | 09:06:48 | 12.4 | Bottom | 3 | 2 | 20.41 | 8.28 | 29.86 | 84.6 | 6.4 | 2.9 | 5.8 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS5 | 18:43:29 | 1.0 | Surface | 1 | 1 | 23.13 | 8.37 | 20.87 | 94.8 | 7.2 | 5 | 4.7 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS5 | 18:42:38 | 1.0 | Surface | 1 | 2 | 23.19 | 8.39 | 20.64 | 96.1 | 7.29 | 4.6 | 4 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS5 | 18:42:27 | 4.2 | Middle | 2 | 1 | 20.69 | 8.34 | 29.72 | 91.2 | 6.85 | 6.6 | 3.7 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS5 | 18:43:18 | 4.2 | Middle | 2 | 2 | 20.81 | 8.33 | 29.38 | 91.4 | 6.87 | 6.8 | 4.2 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS5 | 18:42:14 | 7.4 | Bottom | 3 | 1 | 20.55 | 8.34 | 30.58 | 88.7 | 6.68 | 7.2 | 4.4 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS5 | 18:43:06 | 7.4 | Bottom | 3 | 2 | 20.56 | 8.33 | 30.59 | 89.1 | 6.71 | 7.5 | 4.3 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS(Mf)6 | 18:53:29 | 1.0 | Surface | 1 | 1 | 22.6 | 8.36 | 20.67 | 104.7 | 8.03 | 10.1 | 4.1 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS(Mf)6 | 18:53:55 | 1.0 | Surface | 1 | 2 | 22.65 | 8.37 | 20.6 | 106.8 | 8.16 | 10.4 | 4.1 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS(Mf)6 | 18:53:19 | 2.1 | Bottom | 3 | 1 | 22.31 | 8.28 | 22.09 | 100 | 7.65 | 10.2 | 9.2 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS(Mf)6 | 18:53:41 | 2.1 | Bottom | 3 | 2 | 22.42 | 8.33 | 21.83 | 100.2 | 7.68 | 10.2 | 9.8 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS7 | 19:01:33 | 1.0 | Surface | 1 | 1 | 22.87 | 8.34 | 20.88 | 101.5 | 7.73 | 5.2 | 3.4 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS7 | 19:01:57 | 1.0 | Surface | 1 | 2 | 22.94 | 8.35 | 20.56 | 101.2 | 7.72 | 5.3 | 3.7 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS7 | 19:01:14 | 2.2 | Bottom | 3 | 1 | 21.7 | 8.24 | 24.31 | 96.3 | 7.35 | 6.9 | 4.3 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS7 | 19:01:43 | 2.2 | Bottom | 3 | 2 | 22.03 | 8.26 | 23.92 | 98.3 | 7.48 | 6.8 | 3.7 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS8 | 19:31:59 | 1.0 | Surface | 1 | 1 | 22.62 | 8.3 | 20.78 | 91.4 | 7.01 | 5.8 | 6.7 | |

| 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS8 | 19:31:31 | 1.0 | Surface | 1 | 2 | 22.08 | 8.27 | 21.35 | 89.6 | 6.91 | 5.9 | 6 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS8 | 19:31:50 | 3.1 | Bottom | 3 | 1 | 21.48 | 8.21 | 25.22 | 89.3 | 6.81 | 8.7 | 7.2 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS8 | 19:31:23 | 3.1 | Bottom | 3 | 2 | 21.65 | 8.2 | 25.17 | 89.8 | 6.83 | 8.6 | 6.1 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS(Mf)9 | 19:11:10 | 1.0 | Surface | 1 | 1 | 22.26 | 8.31 | 21.88 | 97.8 | 7.49 | 10.6 | 7.3 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS(Mf)9 | 19:11:38 | 1.0 | Surface | 1 | 2 | 22.05 | 8.28 | 23.58 | 94.9 | 7.23 | 11.2 | 8 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS(Mf)9 | 19:11:20 | 2.6 | Bottom | 3 | 1 | 21.5 | 8.24 | 25.93 | 93.9 | 7.13 | 14.7 | 6.7 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS(Mf)9 | 19:10:46 | 2.6 | Bottom | 3 | 2 | 21.34 | 8.24 | 25.78 | 94.4 | 7.19 | 14.3 | 7.2 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS10 | 19:28:20 | 1.0 | Surface | 1 | 1 | 21.63 | 8.15 | 23.18 | 91 | 7 | 5.4 | 5.2 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS10 | 19:29:21 | 1.0 | Surface | 1 | 2 | 22.19 | 8.16 | 22.72 | 91.5 | 6.99 | 5.2 | 5.5 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS10 | 19:28:56 | 5.4 | Middle | 2 | 1 | 20.73 | 8.16 | 28.86 | 81.3 | 6.15 | 5.3 | 5.1 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS10 | 19:27:53 | 5.4 | Middle | 2 | 2 | 20.93 | 8.15 | 28.01 | 81.5 | 6.17 | 5.6 | 5.2 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS10 | 19:28:40 | 9.8 | Bottom | 3 | 1 | 20.6 | 8.17 | 30.62 | 83.9 | 6.3 | 7 | 4.5 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | IS10 | 19:27:32 | 9.8 | Bottom | 3 | 2 | 20.57 | 8.18 | 30.55 | 82.4 | 6.19 | 7.1 | 5.8 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | SR3 | 18:31:55 | 0.6 | Middle | 2 | 1 | 23.42 | 8.37 | 20.32 | 111.8 | 8.46 | 2.8 | 4.1 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | SR3 | 18:31:42 | 0.6 | Middle | 2 | 2 | 23.52 | 8.38 | 20.22 | 110.9 | 8.39 | 2.9 | 3.6 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | SR4 | 19:23:30 | 1.0 | Surface | 1 | 1 | 22.37 | 8.33 | 21.72 | 100.6 | 7.7 | 5.2 | 7.6 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | SR4 | 19:24:01 | 1.0 | Surface | 1 | 2 | 22.12 | 8.27 | 22.19 | 92.3 | 7.08 | 5.3 | 7 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | SR4 | 19:23:16 | 2.8 | Bottom | 3 | 1 | 21.9 | 8.23 | 24.63 | 88.9 | 6.76 | 5.6 | 7.4 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | SR4 | 19:23:47 | 2.8 | Bottom | 3 | 2 | 21.49 | 8.17 | 25.85 | 88.7 | 6.73 | 5.8 | 8 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | SR5 | 19:18:07 | 1.0 | Surface | 1 | 1 | 22.36 | 8.16 | 21.89 | 94.2 | 7.2 | 5.9 | 4.6 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | SR5 | 19:18:56 | 1.0 | Surface | 1 | 2 | 22.63 | 8.17 | 21.39 | 95.3 | 7.28 | 5.4 | 5.9 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | SR5 | 19:18:29 | 4.3 | Bottom | 3 | 1 | 21.09 | 8.14 | 27.34 | 87.2 | 6.61 | 6.8 | 7.1 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | SR5 | 19:17:37 | 4.3 | Bottom | 3 | 2 | 21.24 | 8.14 | 26.68 | 88.2 | 6.7 | 7.4 | 8.1 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | SR10A | 20:33:19 | 1.0 | Surface | 1 | 1 | 22.48 | 8.32 | 22.1 | 101.6 | 7.75 | 1.4 | 4.9 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | SR10A | 20:32:43 | 1.0 | Surface | 1 | 2 | 22.5 | 8.32 | 22.1 | 102.3 | 7.79 | 1.4 | 6.4 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | SR10A | 20:33:07 | 3.3 | Middle | 2 | 1 | 22.15 | 8.31 | 23.47 | 99.9 | 7.6 | 1.6 | 5.5 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | SR10A | 20:32:30 | 3.3 | Middle | 2 | 2 | 22.37 | 8.32 | 22.57 | 101.5 | 7.73 | 1.6 | 4.5 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | SR10A | 20:32:56 | 5.5 | Bottom | 3 | 1 | 21.97 | 8.3 | 24.22 | 100.1 | 7.61 | 1.7 | 5.9 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | SR10A | 20:32:21 | 5.5 | Bottom | 3 | 2 | 22.28 | 8.31 | 23.4 | 101.4 | 7.7 | 1.6 | 5 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | SR10B | 20:42:39 | 1.0 | Surface | 1 | 1 | 22.39 | 8.32 | 22.29 | 101.7 | 7.76 | 1.5 | 2.8 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | SR10B | 20:43:00 | 1.0 | Surface | 1 | 2 | 22.42 | 8.32 | 22.34 | 102.5 | 7.81 | 1.6 | 2.1 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | SR10B | 20:42:29 | 3.9 | Bottom | 3 | 1 | 22.23 | 8.31 | 23.52 | 101.3 | 7.69 | 1.5 | 3 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | SR10B | 20:42:50 | 3.9 | Bottom | 3 | 2 | 22.39 | 8.32 | 22.57 | 102.1 | 7.77 | 1.6 | 3.1 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | CS2 | 18:08:43 | 1.0 | Surface | 1 | 1 | 22.69 | 8.14 | 21.29 | 96.2 | 7.34 | 3.2 | 2.7 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | CS2 | 18:07:39 | 1.0 | Surface | 1 | 2 | 22.94 | 8.13 | 20.98 | 96.4 | 7.39 | 3.1 | 3.6 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | CS2 | 18:08:21 | 3.5 | Middle | 2 | 1 | 21.05 | 8.12 | 27.1 | 84.1 | 6.4 | 4.9 | 2.9 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | CS2 | 18:07:19 | 3.5 | Middle | 2 | 2 | 21.12 | 8.1 | 26.85 | 83.5 | 6.34 | 4.8 | 4.2 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | CS2 | 18:06:56 | 6.0 | Bottom | 3 | 1 | 20.71 | 8.1 | 29.38 | 82.4 | 6.22 | 8.5 | 5.8 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | CS2 | 18:08:02 | 6.0 | Bottom | 3 | 2 | 20.76 | 8.11 | 29.04 | 85.4 | 6.45 | 8.3 | 4.2 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | CS(Mf)5 | 20:06:21 | 1.0 | Surface | 1 | 1 | 21.84 | 8.31 | 23.38 | 90.8 | 6.95 | 1.9 | 2.2 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | CS(Mf)5 | 20:07:08 | 1.0 | Surface | 1 | 2 | 21.98 | 8.32 | 22.07 | 91.5 | 7.04 | 1.8 | 3 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | CS(Mf)5 | 20:06:56 | 6.3 | Middle | 2 | 1 | 21.02 | 8.3 | 27.85 | 87.4 | 6.62 | 2.7 | 3.6 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | CS(Mf)5 | 20:06:05 | 6.3 | Middle | 2 | 2 | 20.93 | 8.31 | 28.74 | 85.9 | 6.48 | 2.8 | 3.5 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | CS(Mf)5 | 20:06:41 | 11.5 | Bottom | 3 | 1 | 20.52 | 8.29 | 31.34 | 89.2 | 6.67 | 3.5 | 3.7 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Ebb | Cloudy | CS(Mf)5 | 20:05:52 | 11.5 | Bottom | 3 | 2 | 20.49 | 8.3 | 31.43 | 86.8 | 6.5 | 3.4 | 3.5 | |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS5 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS5 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS5 | - | - | Middle | 2 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS5 | - | - | Middle | 2 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS5 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS5 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS(Mf)6 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS(Mf)6 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS(Mf)6 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS(Mf)6 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS7 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS7 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS7 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS7 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS8 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS8 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS8 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS8 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS(Mf)9 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS(Mf)9 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS(Mf)9 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS(Mf)9 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS10 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS10 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS10 | - | - | Middle | 2 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS10 | - | - | Middle | 2 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS10 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | IS10 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | SR3 | - | - | Middle | 2 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | SR3 | - | - | Middle | 2 | 2 | - | - | - | - | - | - | | Cancelled |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | SR4 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | SR4 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | SR4 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | SR4 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | SR5 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | SR5 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | SR5 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | SR5 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | SR10A | - | - | Surface | 1 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | SR10A | - | - | Surface | 1 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | SR10A | - | - | Middle | 2 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | SR10A | - | - | Middle | 2 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | SR10A | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | SR10A | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | SR10B | - | - | Surface | 1 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | SR10B | - | - | Surface | 1 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | SR10B | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | SR10B | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | CS2 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | CS2 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | CS2 | - | - | Middle | 2 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | CS2 | - | - | Middle | 2 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | CS2 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | CS2 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | CS(Mf)5 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | CS(Mf)5 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | CS(Mf)5 | - | - | Middle | 2 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | CS(Mf)5 | - | - | Middle | 2 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | CS(Mf)5 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-19 | Mid-Flood | - | CS(Mf)5 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | | Cancelled |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS5 | 11:55:55 | 1.0 | Surface | 1 | 1 | 21.85 | 8.52 | 25.57 | 112 | 8.46 | 8.2 | 9.2 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS5 | 11:56:31 | 1.0 | Surface | 1 | 2 | 21.96 | 8.53 | 25.27 | 112.1 | 8.47 | 8.1 | 9.7 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS5 | 11:56:21 | 4.3 | Middle | 2 | 1 | 21.57 | 8.48 | 27.06 | 110 | 8.31 | 8.9 | 8.4 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS5 | 11:55:44 | 4.3 | Middle | 2 | 2 | 21.39 | 8.46 | 27.36 | 108.4 | 8.11 | 9 | 8.6 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS5 | 11:56:10 | 7.6 | Bottom | 3 | 1 | 21.29 | 8.45 | 29.13 | 107 | 8.06 | 8.9 | 8.6 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS5 | 11:55:31 | 7.6 | Bottom | 3 | 2 | 21.26 | 8.44 | 29.12 | 104.6 | 7.89 | 8.7 | 9.2 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS(Mf)6 | 11:47:49 | 1.0 | Surface | 1 | 1 | 21.7 | 8.47 | 24.91 | 111.5 | 8.48 | 7.5 | 10.9 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS(Mf)6 | 11:48:04 | 1.0 | Surface | 1 | 2 | 21.71 | 8.48 | 24.89 | 112.2 | 8.54 | 7.5 | 9.7 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS(Mf)6 | 11:47:57 | 2.2 | Bottom | 3 | 1 | 21.7 | 8.47 | 24.91 | 111.8 | 8.51 | 7.6 | 10 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS(Mf)6 | 11:47:42 | 2.2 | Bottom | 3 | 2 | 21.7 | 8.47 | 24.92 | 111.1 | 8.45 | 7.6 | 10.2 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS7 | 11:41:48 | 1.0 | Surface | 1 | 1 | 21.66 | 8.46 | 24.89 | 109.3 | 8.32 | 9.5 | 13.2 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS7 | 11:42:08 | 1.0 | Surface | 1 | 2 | 21.66 | 8.46 | 24.85 | 110 | 8.38 | 9.5 | 13.8 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS7 | 11:41:37 | 2.3 | Bottom | 3 | 1 | 21.65 | 8.45 | 24.93 | 108.6 | 8.27 | 9.4 | 9.2 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS7 | 11:41:59 | 2.3 | Bottom | 3 | 2 | 21.66 | 8.46 | 24.85 | 109.7 | 8.35 | 9.6 | 9.8 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS8 | 11:18:09 | 1.0 | Surface | 1 | 1 | 21.41 | 8.37 | 26.48 | 97.8 | 7.41 | 6.2 | 8.1 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS8 | 11:17:50 | 1.0 | Surface | 1 | 2 | 21.41 | 8.37 | 26.54 | 97.3 | 7.37 | 6.3 | 8.1 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS8 | 11:17:41 | 3.2 | Bottom | 3 | 1 | 21.4 | 8.35 | 27.06 | 97.4 | 7.36 | 6.1 | 7.8 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS8 | 11:17:59 | 3.2 | Bottom | 3 | 2 | 21.41 | 8.36 | 26.93 | 97.7 | 7.39 | 6.1 | 7.6 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS(Mf)9 | 11:34:48 | 1.0 | Surface | 1 | 1 | 21.48 | 8.38 | 26.1 | 96.9 | 7.35 | 12.7 | 10.4 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS(Mf)9 | 11:34:27 | 1.0 | Surface | 1 | 2 | 21.48 | 8.38 | 26.13 | 97.5 | 7.39 | 12.5 | 11.2 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS(Mf)9 | 11:34:15 | 2.7 | Bottom | 3 | 1 | 21.39 | 8.35 | 27.22 | 97.3 | 7.34 | 13.1 | 10.6 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS(Mf)9 | 11:34:37 | 2.7 | Bottom | 3 | 2 | 21.43 | 8.36 | 27.44 | 97.5 | 7.34 | 13.3 | 11.7 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS10 | 10:48:22 | 1.0 | Surface | 1 | 1 | 21.33 | 8.29 | 28.04 | 95.8 | 7.2 | 9.5 | 9.5 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS10 | 10:47:16 | 1.0 | Surface | 1 | 2 | 21.33 | 8.28 | 28.04 | 95.9 | 7.22 | 9.2 | 9 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS10 | 10:48:01 | 5.5 | Middle | 2 | 1 | 21.32 | 8.28 | 28.11 | 95.2 | 7.16 | 8 | 9.2 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS10 | 10:46:45 | 5.5 | Middle | 2 | 2 | 21.32 | 8.28 | 28.1 | 95.5 | 7.18 | 8.2 | 9.3 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS10 | 10:46:23 | 9.9 | Bottom | 3 | 1 | 21.32 | 8.28 | 28.1 | 95.5 | 7.18 | 8.6 | 8.2 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | IS10 | 10:47:45 | 9.9 | Bottom | 3 | 2 | 21.28 | 8.29 | 28.59 | 95.1 | 7.13 | 8.3 | 8.7 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | SR3 | 12:00:58 | 0.7 | Middle | 2 | 1 | 22.49 | 8.66 | 23.72 | 146.5 | 11.06 | 6.5 | 9.7 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | SR3 | 12:01:04 | 0.7 | Middle | 2 | 2 | 22.46 | 8.66 | 23.75 | 146.9 | 11.09 | 6.4 | 8.6 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | SR4 | 11:23:43 | 1.0 | Surface | 1 | 1 | 21.5 | 8.39 | 24.39 | 102.7 | 7.86 | 3.7 | 7.4 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | SR4 | 11:23:23 | 1.0 | Surface | 1 | 2 | 21.49 | 8.39 | 24.43 | 101.7 | 7.79 | 3.9 | 8.2 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | SR4 | 11:23:30 | 2.9 | Bottom | 3 | 1 | 21.49 | 8.38 | 24.74 | 102.3 | 7.82 | 4 | 4.5 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | SR4 | 11:23:11 | 2.9 | Bottom | 3 | 2 | 21.48 | 8.38 | 24.76 | 101.4 | 7.75 | 4.1 | 5.1 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | SR5 | 10:56:16 | 1.0 | Surface | 1 | 1 | 21.34 | 8.29 | 27.99 | 95.6 | 7.19 | 9.9 | 8.5 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | SR5 | 10:57:05 | 1.0 | Surface | 1 | 2 | 21.34 | 8.29 | 27.97 | 95.9 | 7.21 | 9.7 | 9.9 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | SR5 | 10:55:54 | 4.3 | Bottom | 3 | 1 | 21.34 | 8.29 | 28.03 | 95.4 | 7.18 | 10.2 | 9 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | SR5 | 10:56:33 | 4.3 | Bottom | 3 | 2 | 21.34 | 8.29 | 27.99 | 95.5 | 7.18 | 10.1 | 9.6 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | SR10A | 09:44:39 | 1.0 | Surface | 1 | 1 | 21.06 | 8.34 | 30.37 | 91.1 | 6.79 | 3.8 | 5.7 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | SR10A | 09:45:08 | 1.0 | Surface | 1 | 2 | 21.05 | 8.34 | 30.54 | 91.2 | 6.79 | 3.8 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | SR10A | 09:44:30 | 3.3 | Middle | 2 | 1 | 21.01 | 8.34 | 30.8 | 90.3 | 6.72 | 3.7 | 5.5 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | SR10A | 09:44:57 | 3.3 | Middle | 2 | 2 | 21.01 | 8.34 | 30.81 | 90.7 | 6.75 | 3.6 | 5.5 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | SR10A | 09:44:21 | 5.6 | Bottom | 3 | 1 | 20.98 | 8.33 | 31.09 | 90.7 | 6.74 | 3.9 | 4.4 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | SR10A | 09:44:47 | 5.6 | Bottom | 3 | 2 | 21.02 | 8.34 | 30.9 | 91.3 | 6.79 | 3.6 | 4.6 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | SR10B | 09:39:53 | 1.0 | Surface | 1 | 1 | 20.95 | 8.32 | 31.26 | 88.8 | 6.6 | 4.9 | 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | SR10B | 09:39:34 | 1.0 | Surface | 1 | 2 | 20.96 | 8.32 | 31.27 | 89 | 6.61 | 4.8 | 6.2 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | SR10B | 09:39:23 | 4.0 | Bottom | 3 | 1 | 20.95 | 8.32 | 31.3 | 89.1 | 6.62 | 5.1 | 6.2 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | SR10B | 09:39:44 | 4.0 | Bottom | 3 | 2 | 20.96 | 8.32 | 31.28 | 88.8 | 6.6 | 4.9 | 6.9 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | CS2 | 12:08:56 | 1.0 | Surface | 1 | 1 | 21.36 | 8.31 | 27.94 | 98.4 | 7.4 | 6.6 | 7.3 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | CS2 | 12:07:50 | 1.0 | Surface | 1 | 2 | 21.36 | 8.31 | 27.94 | 98.5 | 7.41 | 6.2 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | CS2 | 12:08:35 | 3.3 | Middle | 2 | 1 | 21.34 | 8.31 | 28.02 | 97.7 | 7.35 | 6.8 | 5.7 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | CS2 | 12:07:09 | 3.3 | Middle | 2 | 2 | 21.34 | 8.31 | 28.02 | 97.7 | 7.35 | 6.7 | 5.8 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | CS2 | 12:06:53 | 5.5 | Bottom | 3 | 1 | 21.18 | 8.33 | 29.81 | 97.2 | 7.26 | 7.7 | 6 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | CS2 | 12:08:25 | 5.5 | Bottom | 3 | 2 | 21.32 | 8.31 | 28.37 | 97.5 | 7.32 | 7 | 5.8 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | CS(Mf)5 | 10:17:55 | 1.0 | Surface | 1 | 1 | 21.14 | 8.34 | 29.81 | 90.7 | 6.78 | 4.5 | 6.3 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | CS(Mf)5 | 10:18:40 | 1.0 | Surface | 1 | 2 | 21.11 | 8.34 | 29.87 | 90.6 | 6.77 | 4.5 | 5.6 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | CS(Mf)5 | 10:17:40 | 6.3 | Middle | 2 | 1 | 21.02 | 8.34 | 30.55 | 90 | 6.71 | 4.7 | 7 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | CS(Mf)5 | 10:18:29 | 6.3 | Middle | 2 | 2 | 21.01 | 8.34 | 30.55 | 89.9 | 6.7 | 4.7 | 6.6 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | CS(Mf)5 | 10:17:26 | 11.5 | Bottom | 3 | 1 | 21.01 | 8.34 | 30.64 | 89.9 | 6.7 | 5.2 | 5.8 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Ebb | Cloudy | CS(Mf)5 | 10:18:14 | 11.5 | Bottom | 3 | 2 | 21.01 | 8.34 | 30.67 | 90.1 | 6.71 | 5.1 | 5.9 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS5 | 15:25:19 | 1.0 | Surface | 1 | 1 | 21.87 | 8.56 | 25.1 | 115.9 | 8.78 | 8.9 | 14.3 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS5 | 15:24:46 | 1.0 | Surface | 1 | 2 | 21.93 | 8.59 | 25.15 | 118 | 8.93 | 8.7 | 14.1 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS5 | 15:25:11 | 4.2 | Middle | 2 | 1 | 21.7 | 8.51 | 26.18 | 113.5 | 8.5 | 9 | 14.9 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS5 | 15:24:32 | 4.2 | Middle | 2 | 2 | 21.6 | 8.48 | 26.69 | 111.9 | 8.45 | 9.2 | 14.6 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS5 | 15:25:02 | 7.4 | Bottom | 3 | 1 | 21.36 | 8.46 | 28.71 | 105.8 | 7.98 | 9.2 | 13.4 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS5 | 15:24:22 | 7.4 | Bottom | 3 | 2 | 21.26 | 8.43 | 29.02 | 104.7 | 7.84 | 9.6 | 12.1 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS(Mf)6 | 15:32:36 | 1.0 | Surface | 1 | 1 | 21.83 | 8.55 | 25.47 | 122.1 | 9.23 | 14.5 | 12.3 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS(Mf)6 | 15:32:15 | 1.0 | Surface | 1 | 2 | 21.82 | 8.55 | 25.48 | 121.7 | 9.2 | 14.1 | 13.3 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS(Mf)6 | 15:32:26 | 2.2 | Bottom | 3 | 1 | 21.82 | 8.55 | 25.48 | 121.8 | 9.22 | 14.2 | 12.6 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS(Mf)6 | 15:32:03 | 2.2 | Bottom | 3 | 2 | 21.82 | 8.54 | 25.48 | 121.2 | 9.17 | 14 | 12.1 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS7 | 15:38:41 | 1.0 | Surface | 1 | 1 | 21.58 | 8.41 | 25.93 | 105.4 | 7.99 | 10.7 | 12.6 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS7 | 15:39:00 | 1.0 | Surface | 1 | 2 | 21.58 | 8.41 | 25.93 | 105.5 | 8 | 10.6 | 13.8 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS7 | 15:38:49 | 2.3 | Bottom | 3 | 1 | 21.57 | 8.41 | 25.96 | 105.3 | 7.98 | 11 | 10.2 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS7 | 15:38:31 | 2.3 | Bottom | 3 | 2 | 21.57 | 8.41 | 25.96 | 105.4 | 7.98 | 11.2 | 10.6 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS8 | 15:59:47 | 1.0 | Surface | 1 | 1 | 21.29 | 8.31 | 28.07 | 87.4 | 6.58 | 12.8 | 9.5 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS8 | 15:59:22 | 1.0 | Surface | 1 | 2 | 21.29 | 8.31 | 28.09 | 87.8 | 6.61 | 13.1 | 10.5 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS8 | 15:59:34 | 2.9 | Bottom | 3 | 1 | 21.29 | 8.32 | 28.1 | 87.5 | 6.58 | 12.9 | 8 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS8 | 15:59:12 | 2.9 | Bottom | 3 | 2 | 21.28 | 8.31 | 28.1 | 87.9 | 6.62 | 13.1 | 9.4 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS(Mf)9 | 15:46:00 | 1.0 | Surface | 1 | 1 | 21.37 | 8.38 | 27.17 | 99 | 7.47 | 6.7 | 4.8 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS(Mf)9 | 15:45:38 | 1.0 | Surface | 1 | 2 | 21.37 | 8.38 | 27.17 | 99.1 | 7.48 | 6.7 | 4.3 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS(Mf)9 | 15:45:26 | 2.6 | Bottom | 3 | 1 | 21.37 | 8.37 | 27.2 | 98.9 | 7.47 | 6.8 | 8.1 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS(Mf)9 | 15:45:50 | 2.6 | Bottom | 3 | 2 | 21.37 | 8.37 | 27.21 | 98.8 | 7.46 | 6.6 | 6.2 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS10 | 16:22:51 | 1.0 | Surface | 1 | 1 | 21.51 | 8.35 | 27.89 | 99.8 | 7.48 | 15.4 | 11 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS10 | 16:21:49 | 1.0 | Surface | 1 | 2 | 21.51 | 8.35 | 27.97 | 98.5 | 7.38 | 15.7 | 11.8 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS10 | 16:22:27 | 5.6 | Middle | 2 | 1 | 21.37 | 8.32 | 28.92 | 95.3 | 7.12 | 17.5 | 13.9 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS10 | 16:21:33 | 5.6 | Middle | 2 | 2 | 21.37 | 8.32 | 28.91 | 95.4 | 7.13 | 17.4 | 12.3 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS10 | 16:21:18 | 10.2 | Bottom | 3 | 1 | 21.21 | 8.33 | 29.58 | 96.2 | 7.19 | 17 | 13.2 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | IS10 | 16:22:08 | 10.2 | Bottom | 3 | 2 | 21.22 | 8.33 | 29.56 | 96 | 7.17 | 17.2 | 12.7 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | SR3 | 15:17:13 | 0.8 | Middle | 2 | 1 | 21.92 | 8.6 | 24.99 | 128.8 | 9.75 | 9.2 | 11 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | SR3 | 15:17:22 | 0.8 | Middle | 2 | 2 | 21.93 | 8.6 | 25.04 | 129.3 | 9.79 | 9 | 11.9 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | SR4 | 15:53:26 | 1.0 | Surface | 1 | 1 | 21.41 | 8.35 | 27.17 | 95.9 | 7.24 | 5.5 | 4.9 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | SR4 | 15:53:01 | 1.0 | Surface | 1 | 2 | 21.4 | 8.35 | 27.2 | 96 | 7.24 | 5.6 | 4.4 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | SR4 | 15:52:49 | 2.7 | Bottom | 3 | 1 | 21.32 | 8.34 | 27.77 | 96 | 7.23 | 6.5 | 5 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | SR4 | 15:53:12 | 2.7 | Bottom | 3 | 2 | 21.32 | 8.34 | 27.78 | 95.6 | 7.2 | 6.7 | 4.2 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | SR5 | 16:10:55 | 1.0 | Surface | 1 | 1 | 21.51 | 8.35 | 27.83 | 101.6 | 7.62 | 14.6 | 19.4 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | SR5 | 16:11:28 | 1.0 | Surface | 1 | 2 | 21.51 | 8.35 | 27.83 | 101.2 | 7.6 | 13.9 | 18.2 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | SR5 | 16:10:37 | 4.6 | Bottom | 3 | 1 | 21.48 | 8.33 | 28.13 | 100.9 | 7.56 | 14.4 | 18.3 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | SR5 | 16:11:11 | 4.6 | Bottom | 3 | 2 | 21.48 | 8.32 | 28.25 | 100.4 | 7.52 | 14 | 18.3 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | SR10A | 17:18:56 | 1.0 | Surface | 1 | 1 | 21.1 | 8.36 | 30.61 | 92.5 | 6.88 | 2.5 | 3.3 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | SR10A | 17:19:27 | 1.0 | Surface | 1 | 2 | 21.08 | 8.36 | 30.72 | 92.1 | 6.85 | 2.6 | 2.8 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | SR10A | 17:19:15 | 3.3 | Middle | 2 | 1 | 21.03 | 8.35 | 31.01 | 91.6 | 6.81 | 3.4 | 3.3 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | SR10A | 17:18:46 | 3.3 | Middle | 2 | 2 | 21.05 | 8.36 | 30.91 | 92.5 | 6.87 | 3.5 | 3.4 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | SR10A | 17:19:05 | 5.5 | Bottom | 3 | 1 | 21.05 | 8.35 | 31 | 92.2 | 6.85 | 3.6 | 3.7 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | SR10A | 17:18:36 | 5.5 | Bottom | 3 | 2 | 21.07 | 8.36 | 30.85 | 93 | 6.91 | 3.7 | 3.6 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | SR10B | 17:24:07 | 1.0 | Surface | 1 | 1 | 21.09 | 8.36 | 30.63 | 92.4 | 6.87 | 2.3 | 3.4 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | SR10B | 17:23:48 | 1.0 | Surface | 1 | 2 | 21.08 | 8.36 | 30.67 | 92.3 | 6.87 | 2.4 | 2.6 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | SR10B | 17:23:56 | 3.9 | Bottom | 3 | 1 | 21.06 | 8.36 | 30.91 | 92.3 | 6.86 | 2.6 | 3.7 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | SR10B | 17:23:37 | 3.9 | Bottom | 3 | 2 | 21.05 | 8.36 | 30.93 | 92.2 | 6.85 | 2.6 | 2.8 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | CS2 | 15:03:58 | 1.0 | Surface | 1 | 1 | 21.52 | 8.34 | 28.18 | 103 | 7.72 | 4 | 3.8 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | CS2 | 15:02:56 | 1.0 | Surface | 1 | 2 | 21.51 | 8.34 | 28.19 | 102.7 | 7.69 | 4.4 | 3.2 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | CS2 | 15:02:39 | 3.5 | Middle | 2 | 1 | 21.5 | 8.34 | 28.21 | 101.7 | 7.61 | 6.2 | 3.6 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | CS2 | 15:03:33 | 3.5 | Middle | 2 | 2 | 21.5 | 8.34 | 28.2 | 101.8 | 7.62 | 5.6 | 4.3 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | CS2 | 15:03:15 | 6.0 | Bottom | 3 | 1 | 21.43 | 8.34 | 28.71 | 101.3 | 7.58 | 8.8 | 3.3 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | CS2 | 15:02:21 | 6.0 | Bottom | 3 | 2 | 21.39 | 8.34 | 28.85 | 101.1 | 7.56 | 9 | 3.9 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | CS(Mf)5 | 16:48:21 | 1.0 | Surface | 1 | 1 | 21.31 | 8.36 | 28.85 | 93.3 | 6.99 | 5.6 | 3.9 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | CS(Mf)5 | 16:49:00 | 1.0 | Surface | 1 | 2 | 21.3 | 8.36 | 28.85 | 92.6 | 6.94 | 5.4 | 4.4 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | CS(Mf)5 | 16:48:49 | 6.5 | Middle | 2 | 1 | 21.18 | 8.35 | 29.96 | 90.4 | 6.74 | 6.9 | 4.1 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | CS(Mf)5 | 16:48:07 | 6.5 | Middle | 2 | 2 | 21.1 | 8.34 | 30.14 | 90.3 | 6.74 | 6.8 | 5 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | CS(Mf)5 | 16:47:56 | 11.9 | Bottom | 3 | 1 | 21.07 | 8.34 | 30.71 | 92.5 | 6.88 | 8.5 | 4.8 | |
| HKLR | HY/2011/03 | 2013-04-22 | Mid-Flood | Cloudy | CS(Mf)5 | 16:48:35 | 11.9 | Bottom | 3 | 2 | 21.09 | 8.34 | 30.55 | 92.3 | 6.87 | 8.5 | 5.3 | |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS5 | 12:52:02 | 1.0 | Surface | 1 | 1 | 22.14 | 8.31 | 27.36 | 91.9 | 6.84 | 9.8 | 9.1 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS5 | 12:52:45 | 1.0 | Surface | 1 | 2 | 22.17 | 8.31 | 27.37 | 91.8 | 6.82 | 9.8 | 9.2 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS5 | 12:52:29 | 4.6 | Middle | 2 | 1 | 22.05 | 8.31 | 27.44 | 91.1 | 6.79 | 10.6 | 9.1 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS5 | 12:51:37 | 4.6 | Middle | 2 | 2 | 22.06 | 8.31 | 27.44 | 91.2 | 6.79 | 10.9 | 8.6 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS5 | 12:52:17 | 8.1 | Bottom | 3 | 1 | 22.06 | 8.31 | 27.45 | 91.3 | 6.8 | 10.2 | 8.6 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS5 | 12:51:19 | 8.1 | Bottom | 3 | 2 | 22.06 | 8.31 | 27.44 | 91.3 | 6.8 | 10.7 | 9.3 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS(Mf)6 | 12:43:05 | 1.0 | Surface | 1 | 1 | 22.54 | 8.31 | 26.99 | 94.3 | 6.98 | 9.4 | 4.7 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS(Mf)6 | 12:43:25 | 1.0 | Surface | 1 | 2 | 22.49 | 8.32 | 27.05 | 94.2 | 6.98 | 10.3 | 4.4 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS(Mf)6 | 12:42:53 | 2.3 | Bottom | 3 | 1 | 22.24 | 8.32 | 27.56 | 93.9 | 6.97 | 12.1 | 6.4 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS(Mf)6 | 12:43:14 | 2.3 | Bottom | 3 | 2 | 22.27 | 8.32 | 27.53 | 93.9 | 6.96 | 12.2 | 7.3 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS7 | 12:36:49 | 1.0 | Surface | 1 | 1 | 22.13 | 8.31 | 26.88 | 92.8 | 6.93 | 8.5 | 6 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS7 | 12:36:22 | 1.0 | Surface | 1 | 2 | 22.13 | 8.31 | 26.88 | 93 | 6.94 | 9.4 | 5.4 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS7 | 12:36:09 | 2.5 | Bottom | 3 | 1 | 22.14 | 8.32 | 27.65 | 93 | 6.9 | 12.1 | 6.7 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS7 | 12:36:35 | 2.5 | Bottom | 3 | 2 | 22.14 | 8.32 | 27.65 | 92.9 | 6.9 | 11.7 | 6.3 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS8 | 12:12:05 | 1.0 | Surface | 1 | 1 | 22.52 | 8.3 | 26.83 | 93.9 | 6.96 | 6.9 | 6.9 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS8 | 12:11:38 | 1.0 | Surface | 1 | 2 | 22.45 | 8.31 | 26.93 | 94 | 6.97 | 7.3 | 7.8 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS8 | 12:11:52 | 2.5 | Bottom | 3 | 1 | 22.16 | 8.32 | 27.27 | 93.3 | 6.94 | 8 | 8.6 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS8 | 12:11:30 | 2.5 | Bottom | 3 | 2 | 22.14 | 8.33 | 27.48 | 93.4 | 6.94 | 8.8 | 7.8 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS(Mf)9 | 12:29:17 | 1.0 | Surface | 1 | 1 | 22.46 | 8.29 | 26.75 | 95.1 | 7.06 | 10 | 5.4 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS(Mf)9 | 12:29:47 | 1.0 | Surface | 1 | 2 | 22.48 | 8.29 | 26.77 | 92.6 | 6.87 | 9.8 | 5.6 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS(Mf)9 | 12:28:17 | 2.5 | Bottom | 3 | 1 | 22.3 | 8.3 | 26.91 | 92.4 | 6.87 | 11.7 | 6.2 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS(Mf)9 | 12:29:31 | 2.5 | Bottom | 3 | 2 | 21.95 | 8.3 | 27.38 | 92.1 | 6.87 | 10.3 | 7.3 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS10 | 11:49:04 | 1.0 | Surface | 1 | 1 | 22.31 | 8.13 | 24.91 | 89 | 6.7 | 6.1 | 5.6 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS10 | 11:48:44 | 1.0 | Surface | 1 | 2 | 22.29 | 8.13 | 24.95 | 89 | 6.69 | 6 | 5.3 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS10 | 11:48:57 | 5.8 | Middle | 2 | 1 | 22.11 | 8.16 | 25.44 | 88.6 | 6.67 | 6.2 | 6.5 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS10 | 11:48:37 | 5.8 | Middle | 2 | 2 | 22.12 | 8.15 | 25.48 | 88.8 | 6.68 | 6.3 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS10 | 11:48:28 | 10.6 | Bottom | 3 | 1 | 22.06 | 8.16 | 26.37 | 88.4 | 6.63 | 6.5 | 7 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | IS10 | 11:48:52 | 10.6 | Bottom | 3 | 2 | 22.24 | 8.14 | 26.71 | 88.5 | 6.59 | 6.3 | 8.4 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | SR3 | 12:57:58 | 0.7 | Middle | 2 | 1 | 22.38 | 8.31 | 27.34 | 92.7 | 6.87 | 8 | 11 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | SR3 | 12:58:11 | 0.7 | Middle | 2 | 2 | 22.32 | 8.31 | 27.35 | 92.6 | 6.87 | 7.9 | 12.3 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | SR4 | 12:18:23 | 1.0 | Surface | 1 | 1 | 22.44 | 8.31 | 27.14 | 94.2 | 6.98 | 6.1 | 7.6 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | SR4 | 12:18:03 | 1.0 | Surface | 1 | 2 | 22.47 | 8.31 | 27.09 | 94.1 | 6.97 | 6.5 | 8.2 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | SR4 | 12:17:53 | 2.3 | Bottom | 3 | 1 | 22.45 | 8.31 | 27.13 | 94.2 | 6.98 | 7.6 | 8 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | SR4 | 12:18:15 | 2.3 | Bottom | 3 | 2 | 22.43 | 8.31 | 27.17 | 93.9 | 6.96 | 8 | 8 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | SR5 | 11:58:05 | 1.0 | Surface | 1 | 1 | 22.78 | 8.15 | 26.25 | 90.3 | 6.68 | 9.7 | 8 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | SR5 | 11:57:49 | 1.0 | Surface | 1 | 2 | 22.8 | 8.14 | 25.73 | 90.3 | 6.7 | 9.6 | 7.4 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | SR5 | 11:57:44 | 4.5 | Bottom | 3 | 1 | 22.67 | 8.13 | 27.14 | 90.2 | 6.66 | 9.9 | 8.3 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | SR5 | 11:57:54 | 4.5 | Bottom | 3 | 2 | 22.75 | 8.14 | 27.16 | 90.5 | 6.67 | 10 | 7.3 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | SR10A | 10:54:54 | 1.0 | Surface | 1 | 1 | 21.71 | 8.32 | 29.74 | 91.5 | 6.77 | 4 | 6.4 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | SR10A | 10:54:05 | 1.0 | Surface | 1 | 2 | 21.54 | 8.32 | 30.12 | 91.5 | 6.77 | 3.8 | 5.9 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | SR10A | 10:53:48 | 3.4 | Middle | 2 | 1 | 21.4 | 8.31 | 30.57 | 90.7 | 6.71 | 4.2 | 7.2 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | SR10A | 10:54:40 | 3.4 | Middle | 2 | 2 | 21.38 | 8.31 | 30.68 | 90.2 | 6.67 | 4 | 6.2 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | SR10A | 10:53:35 | 5.8 | Bottom | 3 | 1 | 21.4 | 8.31 | 30.67 | 91.1 | 6.74 | 3.6 | 7.5 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | SR10A | 10:54:21 | 5.8 | Bottom | 3 | 2 | 21.38 | 8.31 | 30.72 | 90.5 | 6.69 | 3.9 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | SR10B | 10:45:20 | 1.0 | Surface | 1 | 1 | 21.44 | 8.31 | 30.65 | 90.4 | 6.68 | 5.5 | 7.9 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | SR10B | 10:45:55 | 1.0 | Surface | 1 | 2 | 21.44 | 8.31 | 30.65 | 90.3 | 6.67 | 5.4 | 7.6 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | SR10B | 10:45:38 | 4.7 | Bottom | 3 | 1 | 21.44 | 8.31 | 30.65 | 90 | 6.66 | 5.5 | 13.6 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | SR10B | 10:45:04 | 4.7 | Bottom | 3 | 2 | 21.43 | 8.31 | 30.65 | 90.2 | 6.67 | 5.4 | 12.7 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | CS2 | 12:55:50 | 1.0 | Surface | 1 | 1 | 22 | 8.16 | 25.69 | 87.7 | 6.61 | 11.4 | 5.2 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | CS2 | 12:55:25 | 1.0 | Surface | 1 | 2 | 21.85 | 8.17 | 26.29 | 87.5 | 6.59 | 11.1 | 4.9 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | CS2 | 12:55:21 | 4.1 | Middle | 2 | 1 | 21.75 | 8.18 | 26.64 | 87.2 | 6.56 | 12 | 8.7 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | CS2 | 12:55:42 | 4.1 | Middle | 2 | 2 | 21.77 | 8.18 | 27.26 | 87.1 | 6.53 | 12.1 | 7.9 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | CS2 | 12:55:15 | 7.2 | Bottom | 3 | 1 | 21.75 | 8.17 | 27.52 | 87 | 6.51 | 13 | 8.6 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | CS2 | 12:55:34 | 7.2 | Bottom | 3 | 2 | 21.92 | 8.16 | 27.39 | 86.9 | 6.49 | 13.1 | 8.3 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | CS(Mf)5 | 11:33:45 | 1.0 | Surface | 1 | 1 | 22.22 | 8.3 | 27.12 | 91.2 | 6.78 | 5.2 | 7.2 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | CS(Mf)5 | 11:34:34 | 1.0 | Surface | 1 | 2 | 22.2 | 8.3 | 27.21 | 91.1 | 6.78 | 5.2 | 7.5 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | CS(Mf)5 | 11:34:17 | 6.7 | Middle | 2 | 1 | 21.49 | 8.31 | 29.53 | 89.5 | 6.65 | 5.3 | 8.1 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | CS(Mf)5 | 11:33:25 | 6.7 | Middle | 2 | 2 | 21.5 | 8.31 | 29.48 | 89.5 | 6.66 | 4.9 | 8.1 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | CS(Mf)5 | 11:34:05 | 12.3 | Bottom | 3 | 1 | 21.43 | 8.31 | 29.95 | 89.2 | 6.62 | 5.7 | 9.7 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Ebb | Sunny | CS(Mf)5 | 11:33:12 | 12.3 | Bottom | 3 | 2 | 21.51 | 8.31 | 29.68 | 89.5 | 6.65 | 5.2 | 8.5 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS5 | 16:53:40 | 1.0 | Surface | 1 | 1 | 23.31 | 8.29 | 26.9 | 94.6 | 6.91 | 6.5 | 7.8 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS5 | 16:52:56 | 1.0 | Surface | 1 | 2 | 23.41 | 8.29 | 26.82 | 95.4 | 6.96 | 6.9 | 8.1 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS5 | 16:52:41 | 4.4 | Middle | 2 | 1 | 22.93 | 8.3 | 27.05 | 93.6 | 6.88 | 9.5 | 7.2 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS5 | 16:53:30 | 4.4 | Middle | 2 | 2 | 22.88 | 8.3 | 27.14 | 93.3 | 6.86 | 9.2 | 7.4 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS5 | 16:52:19 | 7.8 | Bottom | 3 | 1 | 22.42 | 8.3 | 27.37 | 92.4 | 6.84 | 13.1 | 7 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS5 | 16:53:13 | 7.8 | Bottom | 3 | 2 | 22.5 | 8.3 | 27.33 | 92.7 | 6.85 | 12.3 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS(Mf)6 | 17:04:06 | 1.0 | Surface | 1 | 1 | 23.09 | 8.29 | 26.89 | 93.8 | 6.88 | 7.1 | 6.1 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS(Mf)6 | 17:04:27 | 1.0 | Surface | 1 | 2 | 23.02 | 8.29 | 26.91 | 93.7 | 6.88 | 6.9 | 5.6 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS(Mf)6 | 17:04:13 | 2.2 | Bottom | 3 | 1 | 22.76 | 8.29 | 27.04 | 93.1 | 6.86 | 11.6 | 7.7 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS(Mf)6 | 17:03:52 | 2.2 | Bottom | 3 | 2 | 22.62 | 8.29 | 27.11 | 93 | 6.87 | 12.2 | 7.5 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS7 | 17:11:49 | 1.0 | Surface | 1 | 1 | 23.12 | 8.29 | 26.64 | 93.4 | 6.86 | 9.1 | 9.4 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS7 | 17:11:26 | 1.0 | Surface | 1 | 2 | 22.79 | 8.29 | 26.91 | 92.9 | 6.85 | 10.1 | 8.5 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS7 | 17:11:19 | 2.4 | Bottom | 3 | 1 | 22.61 | 8.29 | 27.08 | 92.4 | 6.83 | 11.5 | 8.5 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS7 | 17:11:37 | 2.4 | Bottom | 3 | 2 | 22.58 | 8.29 | 27.06 | 92.1 | 6.81 | 12 | 9.6 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS8 | 17:33:03 | 1.0 | Surface | 1 | 1 | 22.78 | 8.28 | 25.7 | 93.3 | 6.93 | 7.8 | 8.9 | |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS8 | 17:33:24 | 1.0 | Surface | 1 | 2 | 22.82 | 8.28 | 25.78 | 93.5 | 6.93 | 7.3 | 8.8 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS8 | 17:33:12 | 2.6 | Bottom | 3 | 1 | 22.66 | 8.29 | 27.21 | 93 | 6.86 | 9.6 | 8.4 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS8 | 17:32:49 | 2.6 | Bottom | 3 | 2 | 22.63 | 8.29 | 27.2 | 93 | 6.86 | 9.6 | 8.9 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS(Mf)9 | 17:18:37 | 1.0 | Surface | 1 | 1 | 22.88 | 8.28 | 26.05 | 93.4 | 6.91 | 8.6 | 6.2 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS(Mf)9 | 17:19:00 | 1.0 | Surface | 1 | 2 | 22.81 | 8.29 | 25.94 | 93.3 | 6.91 | 8.6 | 5.1 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS(Mf)9 | 17:18:25 | 2.6 | Bottom | 3 | 1 | 22.68 | 8.29 | 26.94 | 92.6 | 6.84 | 9.7 | 5.6 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS(Mf)9 | 17:18:50 | 2.6 | Bottom | 3 | 2 | 22.52 | 8.29 | 27.21 | 92.6 | 6.85 | 10.2 | 5.9 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS10 | 17:45:29 | 1.0 | Surface | 1 | 1 | 22.43 | 8.09 | 24.96 | 84.9 | 6.37 | 7.4 | 6.7 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS10 | 17:45:04 | 1.0 | Surface | 1 | 2 | 22.38 | 8.1 | 24.91 | 85.4 | 6.42 | 7.3 | 6.7 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS10 | 17:45:16 | 5.6 | Middle | 2 | 1 | 22.23 | 8.11 | 25.23 | 84.8 | 6.38 | 7.5 | 6.4 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS10 | 17:44:59 | 5.6 | Middle | 2 | 2 | 22.18 | 8.11 | 25.26 | 84.9 | 6.39 | 7.4 | 5.2 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS10 | 17:44:53 | 10.2 | Bottom | 3 | 1 | 22.34 | 8.1 | 26.32 | 84.5 | 6.3 | 7.6 | 5.4 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | IS10 | 17:45:11 | 10.2 | Bottom | 3 | 2 | 22.43 | 8.09 | 26.28 | 84.6 | 6.3 | 7.5 | 5.9 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | SR3 | 16:40:42 | 0.9 | Middle | 2 | 1 | 23.31 | 8.31 | 27.08 | 95.7 | 6.98 | 6.1 | 8.8 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | SR3 | 16:40:27 | 0.9 | Middle | 2 | 2 | 23.61 | 8.31 | 26.97 | 96.2 | 6.99 | 5.5 | 7.8 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | SR4 | 17:27:37 | 1.0 | Surface | 1 | 1 | 22.73 | 8.28 | 25.47 | 93.1 | 6.93 | 7.7 | 10.4 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | SR4 | 17:27:13 | 1.0 | Surface | 1 | 2 | 22.76 | 8.28 | 25.53 | 93.2 | 6.93 | 7.2 | 10 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | SR4 | 17:27:02 | 2.5 | Bottom | 3 | 1 | 22.66 | 8.28 | 27.07 | 93.1 | 6.87 | 8.2 | 9 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | SR4 | 17:27:24 | 2.5 | Bottom | 3 | 2 | 22.65 | 8.29 | 27.13 | 92.9 | 6.86 | 9.3 | 9.3 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | SR5 | 17:35:56 | 1.0 | Surface | 1 | 1 | 23.17 | 8.06 | 22.71 | 86.7 | 6.5 | 6.1 | 6.7 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | SR5 | 17:35:05 | 1.0 | Surface | 1 | 2 | 23.18 | 8.06 | 22.73 | 86.8 | 6.51 | 6.2 | 7.4 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | SR5 | 17:34:59 | 4.5 | Bottom | 3 | 1 | 23.31 | 8.04 | 23.85 | 86.6 | 6.44 | 6.3 | 5.3 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | SR5 | 17:35:10 | 4.5 | Bottom | 3 | 2 | 23.3 | 8.05 | 23.87 | 86.6 | 6.44 | 6.3 | 5.5 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | SR10A | 18:45:49 | 1.0 | Surface | 1 | 1 | 21.85 | 8.3 | 28.88 | 89.5 | 6.63 | 5.2 | 7.5 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | SR10A | 18:46:29 | 1.0 | Surface | 1 | 2 | 21.84 | 8.3 | 28.91 | 89.5 | 6.63 | 5.2 | 7.5 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | SR10A | 18:45:33 | 3.5 | Middle | 2 | 1 | 21.6 | 8.31 | 30.15 | 88.8 | 6.57 | 6.5 | 7.6 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | SR10A | 18:46:13 | 3.5 | Middle | 2 | 2 | 21.59 | 8.31 | 30.2 | 88.7 | 6.56 | 7 | 6.4 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | SR10A | 18:46:02 | 6 | Bottom | 3 | 1 | 21.61 | 8.3 | 30.22 | 88.8 | 6.56 | 6.3 | 9 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | SR10A | 18:45:21 | 6 | Bottom | 3 | 2 | 21.61 | 8.3 | 30.15 | 88.9 | 6.57 | 6 | 9.1 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | SR10B | 18:54:07 | 1.0 | Surface | 1 | 1 | 21.74 | 8.31 | 29.28 | 89.1 | 6.6 | 5.5 | 6.2 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | SR10B | 18:54:38 | 1.0 | Surface | 1 | 2 | 21.77 | 8.31 | 29.19 | 89.1 | 6.6 | 5.6 | 7.7 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | SR10B | 18:53:53 | 4.7 | Bottom | 3 | 1 | 21.59 | 8.31 | 30.25 | 88.6 | 6.55 | 6.4 | 6.6 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | SR10B | 18:54:26 | 4.7 | Bottom | 3 | 2 | 21.56 | 8.31 | 30.41 | 88.5 | 6.54 | 7 | 5.6 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | CS2 | 16:41:49 | 1.0 | Surface | 1 | 1 | 22.07 | 8.06 | 24.67 | 83.9 | 6.35 | 8.5 | 7.1 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | CS2 | 16:42:16 | 1.0 | Surface | 1 | 2 | 22.15 | 8.07 | 24.59 | 83.9 | 6.34 | 8.4 | 6.9 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | CS2 | 16:42:08 | 4.1 | Middle | 2 | 1 | 21.96 | 8.08 | 25.71 | 83.6 | 6.3 | 9.2 | 6.9 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | CS2 | 16:41:41 | 4.1 | Middle | 2 | 2 | 21.93 | 8.08 | 25.78 | 83.6 | 6.3 | 9.2 | 7.3 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | CS2 | 16:41:28 | 7.2 | Bottom | 3 | 1 | 21.92 | 8.07 | 25.78 | 83.5 | 6.29 | 9.2 | 6.4 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | CS2 | 16:42:01 | 7.2 | Bottom | 3 | 2 | 21.97 | 8.08 | 26.27 | 83.2 | 6.25 | 9.4 | 6.1 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | CS(Mf)5 | 18:10:44 | 1.0 | Surface | 1 | 1 | 22.2 | 8.3 | 27.19 | 89.5 | 6.66 | 5.8 | 4.1 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | CS(Mf)5 | 18:09:55 | 1.0 | Surface | 1 | 2 | 22.05 | 8.3 | 27.49 | 89 | 6.63 | 6.2 | 4.3 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | CS(Mf)5 | 18:09:37 | 6.8 | Middle | 2 | 1 | 21.48 | 8.3 | 29.28 | 87.3 | 6.5 | 8 | 6.6 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | CS(Mf)5 | 18:10:29 | 6.8 | Middle | 2 | 2 | 21.49 | 8.3 | 29.17 | 87.2 | 6.5 | 7.3 | 5.7 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | CS(Mf)5 | 18:10:14 | 12.6 | Bottom | 3 | 1 | 21.48 | 8.3 | 29.43 | 87.6 | 6.52 | 9.2 | 6.3 | |
| HKLR | HY/2011/03 | 2013-04-24 | Mid-Flood | Sunny | CS(Mf)5 | 18:09:20 | 12.6 | Bottom | 3 | 2 | 21.46 | 8.3 | 29.52 | 87.6 | 6.52 | 9.2 | 5.4 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS5 | 11:56:28 | 1.0 | Surface | 1 | 1 | 23.08 | 8.24 | 26.42 | 88.4 | 6.5 | 14.9 | 18.8 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS5 | 11:56:06 | 1.0 | Surface | 1 | 2 | 23.07 | 8.23 | 26.44 | 88.4 | 6.5 | 15.1 | 18.6 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS5 | 11:56:21 | 4.7 | Middle | 2 | 1 | 23.04 | 8.24 | 26.51 | 88.3 | 6.5 | 15.3 | 18.2 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS5 | 11:56:01 | 4.7 | Middle | 2 | 2 | 23.04 | 8.23 | 26.5 | 88.4 | 6.5 | 15.5 | 18.4 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS5 | 11:56:14 | 8.4 | Bottom | 3 | 1 | 23.05 | 8.24 | 26.55 | 88.2 | 6.49 | 15.5 | 19.1 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS5 | 11:55:55 | 8.4 | Bottom | 3 | 2 | 23.07 | 8.23 | 26.48 | 88.3 | 6.5 | 15.7 | 19.1 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS(Mf)6 | 12:04:16 | 1.0 | Surface | 1 | 1 | 23.14 | 8.24 | 26.13 | 88 | 6.48 | 15.5 | 8.2 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS(Mf)6 | 12:03:34 | 1.0 | Surface | 1 | 2 | 23.26 | 8.22 | 25.91 | 88.2 | 6.49 | 15.2 | 7.6 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | | IS(Mf)6 | | | Middle | 2 | 1 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | | IS(Mf)6 | | | Middle | 2 | 2 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS(Mf)6 | 12:03:28 | 2.4 | Bottom | 3 | 1 | 23.21 | 8.21 | 26.19 | 88 | 6.47 | 18.7 | 8.6 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS(Mf)6 | 12:04:10 | 2.4 | Bottom | 3 | 2 | 23.03 | 8.24 | 26.57 | 87.7 | 6.45 | 18.7 | 8.3 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS7 | 12:11:03 | 1.0 | Surface | 1 | 1 | 23.2 | 8.19 | 24.99 | 87.9 | 6.5 | 7.1 | 9.8 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS7 | 12:10:54 | 1.0 | Surface | 1 | 2 | 23.2 | 8.18 | 25 | 88 | 6.51 | 7.1 | 10.2 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | | IS7 | | | Middle | 2 | 1 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | | IS7 | | | Middle | 2 | 2 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS7 | 12:10:58 | 2.4 | Bottom | 3 | 1 | 23.2 | 8.18 | 24.99 | 88 | 6.51 | 7.2 | 15.3 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS7 | 12:10:50 | 2.4 | Bottom | 3 | 2 | 23.2 | 8.18 | 25 | 88.1 | 6.52 | 7.1 | 15.5 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS8 | 12:33:09 | 1.0 | Surface | 1 | 1 | 23.22 | 8.2 | 25.15 | 86.7 | 6.41 | 9.1 | 10.3 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS8 | 12:33:01 | 1.0 | Surface | 1 | 2 | 23.22 | 8.2 | 25.1 | 86.8 | 6.42 | 9.2 | 9.4 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | | IS8 | | | Middle | 2 | 1 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | | IS8 | | | Middle | 2 | 2 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS8 | 12:32:55 | 2.5 | Bottom | 3 | 1 | 23.19 | 8.19 | 25.09 | 86.8 | 6.42 | 9.3 | 11.3 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS8 | 12:33:05 | 2.5 | Bottom | 3 | 2 | 23.2 | 8.2 | 25.13 | 86.8 | 6.42 | 9.2 | 10.2 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS(Mf)9 | 12:17:08 | 1.0 | Surface | 1 | 1 | 23.02 | 8.17 | 25.18 | 84.8 | 6.29 | 16 | 10.4 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS(Mf)9 | 12:17:17 | 1.0 | Surface | 1 | 2 | 22.97 | 8.18 | 25.37 | 84.4 | 6.26 | 16.3 | 10.6 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | | IS(Mf)9 | | | Middle | 2 | 1 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | | IS(Mf)9 | | | Middle | 2 | 2 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS(Mf)9 | 12:17:04 | 2.5 | Bottom | 3 | 1 | 23.02 | 8.17 | 25.19 | 85 | 6.31 | 17.8 | 10.8 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS(Mf)9 | 12:17:13 | 2.5 | Bottom | 3 | 2 | 23 | 8.17 | 25.31 | 84.5 | 6.27 | 17.9 | 9.1 | |

| 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS10 | 13:18:48 | 1.0 | Surface | 1 | 1 | 22.78 | 8.17 | 26.24 | 87.3 | 6.47 | 12.8 | 9.2 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS10 | 13:20:02 | 1.0 | Surface | 1 | 2 | 22.79 | 8.17 | 26.24 | 87.2 | 6.46 | 12.7 | 10.2 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS10 | 13:18:36 | 5.2 | Middle | 2 | 1 | 22.67 | 8.2 | 26.75 | 87.4 | 6.47 | 13.9 | 11.1 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS10 | 13:19:41 | 5.2 | Middle | 2 | 2 | 22.7 | 8.19 | 26.86 | 87.2 | 6.44 | 13.7 | 12 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS10 | 13:19:25 | 9.3 | Bottom | 3 | 1 | 22.41 | 8.24 | 28.97 | 87 | 6.38 | 14.5 | 12.2 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | IS10 | 13:18:25 | 9.3 | Bottom | 3 | 2 | 22.42 | 8.24 | 28.91 | 86.9 | 6.38 | 14.7 | 13 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | | SR3 | | | Surface | 1 | 1 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | | SR3 | | | Surface | 1 | 2 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | SR3 | 11:45:50 | 0.7 | Middle | 2 | 1 | 23.1 | 8.16 | 26.39 | 90.1 | 6.63 | 14.8 | 20.2 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | SR3 | 11:45:47 | 0.7 | Middle | 2 | 2 | 23.1 | 8.15 | 26.39 | 90.3 | 6.64 | 14.8 | 19.2 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | | SR3 | | | Bottom | 3 | 1 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | | SR3 | | | Bottom | 3 | 2 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | SR4 | 12:24:50 | 1.0 | Surface | 1 | 1 | 23.21 | 8.18 | 25.19 | 87.6 | 6.48 | 14.9 | 12.6 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | SR4 | 12:24:58 | 1.0 | Surface | 1 | 2 | 23.24 | 8.19 | 25.29 | 87.5 | 6.46 | 15.2 | 12.8 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | | SR4 | | | Middle | 2 | 1 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | | SR4 | | | Middle | 2 | 2 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | SR4 | 12:24:54 | 2.5 | Bottom | 3 | 1 | 23.22 | 8.18 | 25.24 | 87.5 | 6.47 | 17.3 | 14.8 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | SR4 | 12:24:46 | 2.5 | Bottom | 3 | 2 | 23.2 | 8.18 | 25.16 | 87.7 | 6.49 | 17.8 | 13.6 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | SR5 | 13:09:39 | 1.0 | Surface | 1 | 1 | 22.76 | 8.17 | 26.4 | 87.3 | 6.46 | 10.4 | 10.3 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | SR5 | 13:10:03 | 1.0 | Surface | 1 | 2 | 22.77 | 8.17 | 26.4 | 87.3 | 6.46 | 10.3 | 10.1 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | | SR5 | | | Middle | 2 | 1 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | | SR5 | | | Middle | 2 | 2 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | SR5 | 13:09:28 | 3.6 | Bottom | 3 | 1 | 22.76 | 8.17 | 26.42 | 87.3 | 6.46 | 10.4 | 11.6 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | SR5 | 13:09:52 | 3.6 | Bottom | 3 | 2 | 22.76 | 8.17 | 26.45 | 87.2 | 6.45 | 10.3 | 12 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | SR10A | 13:41:43 | 1.0 | Surface | 1 | 1 | 22.58 | 8.24 | 26.9 | 87.3 | 6.46 | 5.5 | 10.6 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | SR10A | 13:42:03 | 1.0 | Surface | 1 | 2 | 22.45 | 8.25 | 27.61 | 87 | 6.42 | 5.3 | 10.9 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | SR10A | 13:41:37 | 3.3 | Middle | 2 | 1 | 22.4 | 8.24 | 27.14 | 87 | 6.45 | 5.5 | 9.2 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | SR10A | 13:41:59 | 3.3 | Middle | 2 | 2 | 22.38 | 8.25 | 28.1 | 86.8 | 6.4 | 5.4 | 9.3 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | SR10A | 13:41:31 | 5.6 | Bottom | 3 | 1 | 22.51 | 8.23 | 28.28 | 87.1 | 6.4 | 5.6 | 11.2 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | SR10A | 13:41:51 | 5.6 | Bottom | 3 | 2 | 22.5 | 8.23 | 28.43 | 86.9 | 6.39 | 5.5 | 10.4 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | SR10B | 13:51:17 | 1.0 | Surface | 1 | 1 | 22.62 | 8.24 | 26.89 | 87.4 | 6.46 | 5.4 | 9.7 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | SR10B | 13:51:07 | 1.0 | Surface | 1 | 2 | 22.63 | 8.24 | 26.83 | 87.4 | 6.47 | 5.4 | 9.6 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | | SR10B | | | Middle | 2 | 1 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | | SR10B | | | Middle | 2 | 2 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | SR10B | 13:51:11 | 4.5 | Bottom | 3 | 1 | 22.64 | 8.24 | 26.84 | 87.4 | 6.46 | 5.4 | 7.6 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | SR10B | 13:51:01 | 4.5 | Bottom | 3 | 2 | 22.63 | 8.24 | 26.88 | 87.3 | 6.46 | 5.4 | 8.6 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | CS2 | 11:36:27 | 1.0 | Surface | 1 | 1 | 22.64 | 8.18 | 26.52 | 88.6 | 6.57 | 12.4 | 10.5 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | CS2 | 11:37:08 | 1.0 | Surface | 1 | 2 | 22.64 | 8.19 | 26.53 | 88.3 | 6.54 | 12.5 | 11.5 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | CS2 | 11:36:13 | 4.0 | Middle | 2 | 1 | 22.63 | 8.18 | 26.66 | 88.9 | 6.58 | 14.2 | 10.2 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | CS2 | 11:36:54 | 4.0 | Middle | 2 | 2 | 22.59 | 8.2 | 26.74 | 88.5 | 6.55 | 13.9 | 11.8 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | CS2 | 11:36:41 | 7.0 | Bottom | 3 | 1 | 22.42 | 8.22 | 28.83 | 88 | 6.46 | 15.5 | 9 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | CS2 | 11:35:44 | 7.0 | Bottom | 3 | 2 | 22.2 | 8.24 | 29.74 | 90.4 | 6.63 | 15.2 | 9.3 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | CS(Mf)5 | 13:13:30 | 1.0 | Surface | 1 | 1 | 22.78 | 8.21 | 26.09 | 86 | 6.37 | 8.6 | 10.9 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | CS(Mf)5 | 13:13:53 | 1.0 | Surface | 1 | 2 | 22.79 | 8.22 | 26.1 | 86.1 | 6.38 | 8.7 | 10.2 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | CS(Mf)5 | 13:13:46 | 6.8 | Middle | 2 | 1 | 22.62 | 8.22 | 26.58 | 85.6 | 6.34 | 8.6 | 10.4 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | CS(Mf)5 | 13:13:25 | 6.8 | Middle | 2 | 2 | 22.72 | 8.21 | 26.25 | 85.6 | 6.34 | 8.5 | 10.6 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | CS(Mf)5 | 13:13:41 | 12.5 | Bottom | 3 | 1 | 22.65 | 8.21 | 27.12 | 85.7 | 6.33 | 8.6 | 12.1 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Ebb | Cloudy | CS(Mf)5 | 13:13:15 | 12.5 | Bottom | 3 | 2 | 22.57 | 8.21 | 26.89 | 85.6 | 6.33 | 8.7 | 13.4 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS5 | 07:06:29 | 1.0 | Surface | 1 | 1 | 23.5 | 8.22 | 25.53 | 87.4 | 6.42 | 10.7 | 15.8 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS5 | 07:06:45 | 1.0 | Surface | 1 | 2 | 23.5 | 8.22 | 25.56 | 87.2 | 6.4 | 11 | 14.5 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS5 | 07:06:41 | 4.7 | Middle | 2 | 1 | 23.5 | 8.22 | 25.56 | 87.1 | 6.39 | 11.5 | 13.6 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS5 | 07:06:22 | 4.7 | Middle | 2 | 2 | 23.5 | 8.22 | 25.56 | 87.4 | 6.41 | 11.3 | 14.4 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS5 | 07:06:17 | 8.3 | Bottom | 3 | 1 | 23.5 | 8.22 | 25.55 | 87.5 | 6.42 | 11.8 | 15 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS5 | 07:06:36 | 8.3 | Bottom | 3 | 2 | 23.5 | 8.22 | 25.56 | 87.2 | 6.4 | 11.7 | 15.6 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS(Mf)6 | 06:58:32 | 1.0 | Surface | 1 | 1 | 23.25 | 8.19 | 24.98 | 86.8 | 6.42 | 11.4 | 15.6 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS(Mf)6 | 06:58:24 | 1.0 | Surface | 1 | 2 | 23.25 | 8.19 | 24.97 | 87 | 6.43 | 11.2 | 15 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | | IS(Mf)6 | | | Middle | 2 | 1 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | | IS(Mf)6 | | | Middle | 2 | 2 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS(Mf)6 | 06:58:20 | 2.4 | Bottom | 3 | 1 | 23.25 | 8.19 | 24.96 | 87.1 | 6.44 | 12 | 16.1 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS(Mf)6 | 06:58:28 | 2.4 | Bottom | 3 | 2 | 23.25 | 8.19 | 24.98 | 86.9 | 6.43 | 11.9 | 15.6 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS7 | 06:52:09 | 1.0 | Surface | 1 | 1 | 23.06 | 8.18 | 24.76 | 85.6 | 6.36 | 12.7 | 20.1 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS7 | 06:52:17 | 1.0 | Surface | 1 | 2 | 23.06 | 8.18 | 24.76 | 85.4 | 6.34 | 12.5 | 20 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | | IS7 | | | Middle | 2 | 1 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | | IS7 | | | Middle | 2 | 2 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS7 | 06:52:13 | 2.4 | Bottom | 3 | 1 | 23.06 | 8.18 | 24.76 | 85.5 | 6.35 | 13.1 | 20.9 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS7 | 06:52:05 | 2.4 | Bottom | 3 | 2 | 23.05 | 8.18 | 24.76 | 85.7 | 6.37 | 13.2 | 20.2 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS8 | 06:28:35 | 1.0 | Surface | 1 | 1 | 22.83 | 8.22 | 25.72 | 86.7 | 6.43 | 18.1 | 10 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS8 | 06:28:43 | 1.0 | Surface | 1 | 2 | 22.82 | 8.22 | 25.77 | 86.4 | 6.41 | 17.9 | 9.5 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | | IS8 | | | Middle | 2 | 1 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | | IS8 | | | Middle | 2 | 2 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS8 | 06:28:40 | 2.5 | Bottom | 3 | 1 | 22.82 | 8.22 | 25.75 | 86.5 | 6.41 | 19.2 | 7.2 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS8 | 06:28:30 | 2.5 | Bottom | 3 | 2 | 22.86 | 8.22 | 25.61 | 86.8 | 6.44 | 19.1 | 7.2 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS(Mf)9 | 06:46:03 | 1.0 | Surface | 1 | 1 | 23.01 | 8.2 | 24.86 | 86.7 | 6.45 | 17.6 | 15.8 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS(Mf)9 | 06:46:12 | 1.0 | Surface | 1 | 2 | 23 | 8.2 | 24.87 | 86.4 | 6.42 | 17.3 | 15.9 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | | IS(Mf)9 | | | Middle | 2 | 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | | IS(Mf)9 | | | Middle | 2 | 2 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS(Mf)9 | 06:46:08 | 2.4 | Bottom | 3 | 1 | 23.01 | 8.2 | 24.87 | 86.6 | 6.44 | 18 | 18.2 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS(Mf)9 | 06:45:58 | 2.4 | Bottom | 3 | 2 | 23.01 | 8.19 | 24.87 | 86.9 | 6.46 | 18.1 | 19.5 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS10 | 06:22:27 | 1.0 | Surface | 1 | 1 | 23 | 8.12 | 25.56 | 85.1 | 6.3 | 21 | 23.3 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS10 | 06:23:17 | 1.0 | Surface | 1 | 2 | 23.18 | 8.13 | 25.66 | 85.8 | 6.32 | 21.2 | 23.7 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS10 | 06:22:13 | 5.3 | Middle | 2 | 1 | 23.13 | 8.13 | 25.69 | 84.9 | 6.27 | 23.2 | 24.2 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS10 | 06:22:57 | 5.3 | Middle | 2 | 2 | 23.14 | 8.13 | 25.69 | 84.8 | 6.26 | 23.7 | 23.7 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS10 | 06:22:45 | 9.6 | Bottom | 3 | 1 | 23.04 | 8.12 | 25.8 | 84.6 | 6.25 | 24.6 | 25.7 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | IS10 | 06:22:04 | 9.6 | Bottom | 3 | 2 | 23.05 | 8.12 | 25.73 | 84.7 | 6.26 | 24.2 | 24.2 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | | SR3 | | | Surface | 1 | 1 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | | SR3 | | | Surface | 1 | 2 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | SR3 | 07:15:45 | 0.6 | Middle | 2 | 1 | 23.51 | 8.23 | 25.53 | 87.2 | 6.4 | 9.9 | 14.4 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | SR3 | 07:15:49 | 0.6 | Middle | 2 | 2 | 23.51 | 8.23 | 25.52 | 87.2 | 6.4 | 9.6 | 13.7 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | | SR3 | | | Bottom | 3 | 1 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | | SR3 | | | Bottom | 3 | 2 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | SR4 | 06:39:17 | 1.0 | Surface | 1 | 1 | 22.9 | 8.23 | 24.7 | 86.9 | 6.47 | 11.7 | 7.2 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | SR4 | 06:39:27 | 1.0 | Surface | 1 | 2 | 22.88 | 8.23 | 24.71 | 86.9 | 6.48 | 11.9 | 7 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | | SR4 | | | Middle | 2 | 1 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | | SR4 | | | Middle | 2 | 2 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | SR4 | 06:39:22 | 2.4 | Bottom | 3 | 1 | 22.94 | 8.22 | 25.61 | 87 | 6.44 | 12.6 | 7.3 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | SR4 | 06:39:12 | 2.4 | Bottom | 3 | 2 | 22.93 | 8.22 | 25.65 | 87 | 6.44 | 12.6 | 8 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | SR5 | 06:29:17 | 1.0 | Surface | 1 | 1 | 22.88 | 8.13 | 25.48 | 84.7 | 6.29 | 21.7 | 25.4 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | SR5 | 06:29:39 | 1.0 | Surface | 1 | 2 | 22.93 | 8.12 | 25.38 | 84.8 | 6.29 | 21.2 | 25 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | | SR5 | | | Middle | 2 | 1 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | | SR5 | | | Middle | 2 | 2 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | SR5 | 06:29:25 | 3.6 | Bottom | 3 | 1 | 22.78 | 8.13 | 26.49 | 84.3 | 6.23 | 22.4 | 26.6 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | SR5 | 06:29:07 | 3.6 | Bottom | 3 | 2 | 22.72 | 8.13 | 26.67 | 84.4 | 6.24 | 22.4 | 26.1 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | SR10A | 05:33:46 | 1.0 | Surface | 1 | 1 | 22.03 | 8.3 | 29.26 | 87 | 6.42 | 10.1 | 6.4 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | SR10A | 05:33:24 | 1.0 | Surface | 1 | 2 | 21.94 | 8.31 | 29.34 | 87.2 | 6.44 | 10.3 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | SR10A | 05:33:37 | 3.3 | Middle | 2 | 1 | 21.9 | 8.3 | 30.44 | 86.8 | 6.37 | 10.5 | 7.6 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | SR10A | 05:33:18 | 3.3 | Middle | 2 | 2 | 21.91 | 8.3 | 30.4 | 86.9 | 6.38 | 10.6 | 6.3 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | SR10A | 05:33:31 | 5.5 | Bottom | 3 | 1 | 21.96 | 8.3 | 30.39 | 86.7 | 6.36 | 11.1 | 12.2 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | SR10A | 05:33:10 | 5.5 | Bottom | 3 | 2 | 21.98 | 8.3 | 30.28 | 86.7 | 6.36 | 11.2 | 13.3 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | SR10B | 05:26:33 | 1.0 | Surface | 1 | 1 | 21.86 | 8.3 | 30.69 | 87.6 | 6.42 | 9.7 | 17 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | SR10B | 05:26:21 | 1.0 | Surface | 1 | 2 | 21.85 | 8.3 | 30.71 | 87.8 | 6.44 | 9.9 | 18.5 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | | SR10B | | | Middle | 2 | 1 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | | SR10B | | | Middle | 2 | 2 | | | | | | | | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | SR10B | 05:26:13 | 4.5 | Bottom | 3 | 1 | 21.85 | 8.3 | 30.75 | 87.7 | 6.43 | 10.3 | 16.6 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | SR10B | 05:26:26 | 4.5 | Bottom | 3 | 2 | 21.86 | 8.3 | 30.71 | 87.5 | 6.42 | 10.5 | 15.6 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | CS2 | 07:59:09 | 1.0 | Surface | 1 | 1 | 22.89 | 8.13 | 25.8 | 84.1 | 6.23 | 14.9 | 24.6 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | CS2 | 07:58:34 | 1.0 | Surface | 1 | 2 | 22.96 | 8.13 | 25.65 | 84.5 | 6.26 | 15.2 | 25.7 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | CS2 | 07:58:59 | 3.9 | Middle | 2 | 1 | 22.65 | 8.14 | 26.56 | 83.5 | 6.18 | 15.3 | 25 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | CS2 | 07:58:19 | 3.9 | Middle | 2 | 2 | 22.93 | 8.13 | 26.08 | 84.1 | 6.21 | 15.4 | 25.4 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | CS2 | 07:58:05 | 6.8 | Bottom | 3 | 1 | 22.79 | 8.13 | 26.43 | 84 | 6.21 | 16.7 | 24.1 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | CS2 | 07:58:48 | 6.8 | Bottom | 3 | 2 | 22.67 | 8.14 | 26.63 | 83.5 | 6.18 | 17.5 | 23.5 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | CS(Mf)5 | 06:01:10 | 1.0 | Surface | 1 | 1 | 22.11 | 8.27 | 29.22 | 86.7 | 6.38 | 7.8 | 6.2 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | CS(Mf)5 | 06:01:35 | 1.0 | Surface | 1 | 2 | 22.05 | 8.28 | 29.49 | 86.4 | 6.36 | 7.9 | 6.3 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | CS(Mf)5 | 06:01:27 | 6.8 | Middle | 2 | 1 | 22.02 | 8.28 | 29.73 | 86.3 | 6.34 | 8.3 | 5.4 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | CS(Mf)5 | 06:01:02 | 6.8 | Middle | 2 | 2 | 22.03 | 8.27 | 29.71 | 86.4 | 6.35 | 8.3 | 5.2 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | CS(Mf)5 | 06:01:20 | 12.5 | Bottom | 3 | 1 | 22.05 | 8.27 | 29.65 | 86.3 | 6.35 | 9.4 | 5.8 | |
| HKLR | HY/2011/03 | 2013-04-26 | Mid-Flood | Cloudy | CS(Mf)5 | 06:00:56 | 12.5 | Bottom | 3 | 2 | 22.06 | 8.27 | 29.61 | 86.5 | 6.36 | 9.7 | 5.8 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS5 | 13:59:06 | 1.0 | Surface | 1 | 1 | 22.92 | 8.24 | 28.6 | 92.9 | 6.77 | 14.2 | 14.2 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS5 | 13:59:32 | 1.0 | Surface | 1 | 2 | 22.92 | 8.25 | 28.59 | 93 | 6.78 | 14.5 | 12.8 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS5 | 13:59:21 | 4.8 | Middle | 2 | 1 | 22.83 | 8.25 | 28.81 | 92.7 | 6.75 | 18 | 13.6 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS5 | 13:58:55 | 4.8 | Middle | 2 | 2 | 22.78 | 8.25 | 28.98 | 92.4 | 6.73 | 18.9 | 12.6 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS5 | 13:58:50 | 8.6 | Bottom | 3 | 1 | 22.79 | 8.25 | 29.05 | 92.2 | 6.72 | 21.1 | 14 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS5 | 13:59:15 | 8.6 | Bottom | 3 | 2 | 22.86 | 8.25 | 28.88 | 92.5 | 6.74 | 21.5 | 12.7 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS(Mf)6 | 14:10:27 | 1.0 | Surface | 1 | 1 | 23.14 | 8.22 | 27.29 | 93.6 | 6.84 | 13.6 | 11.8 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS(Mf)6 | 14:10:50 | 1.0 | Surface | 1 | 2 | 23.17 | 8.22 | 27.24 | 93.8 | 6.85 | 14 | 12.7 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS(Mf)6 | 14:10:15 | 2.6 | Bottom | 3 | 1 | 23.08 | 8.21 | 27.51 | 93.4 | 6.82 | 16 | 13.5 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS(Mf)6 | 14:10:34 | 2.6 | Bottom | 3 | 2 | 23.01 | 8.21 | 27.74 | 93.1 | 6.81 | 16 | 11.1 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS7 | 14:19:42 | 1.0 | Surface | 1 | 1 | 23.11 | 8.22 | 27.15 | 93.4 | 6.84 | 9.6 | 11.2 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS7 | 14:19:13 | 1.0 | Surface | 1 | 2 | 23.12 | 8.21 | 27.15 | 93.3 | 6.83 | 9.8 | 10.2 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS7 | 14:19:03 | 2.9 | Bottom | 3 | 1 | 23.08 | 8.21 | 27.18 | 93.1 | 6.82 | 11.3 | 10.7 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS7 | 14:19:30 | 2.9 | Bottom | 3 | 2 | 23.1 | 8.22 | 27.16 | 93.3 | 6.83 | 11 | 10.8 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS8 | 14:54:07 | 1.0 | Surface | 1 | 1 | 22.95 | 8.22 | 27.29 | 91.2 | 6.69 | 8 | 10.4 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS8 | 14:53:33 | 1.0 | Surface | 1 | 2 | 22.97 | 8.22 | 27.27 | 91.4 | 6.71 | 8.1 | 9.3 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS8 | 14:53:19 | 3.0 | Bottom | 3 | 1 | 22.75 | 8.21 | 27.66 | 90.4 | 6.64 | 10.5 | 8.1 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS8 | 14:53:55 | 3.0 | Bottom | 3 | 2 | 22.76 | 8.21 | 27.64 | 90.6 | 6.65 | 10.2 | 8.2 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS(Mf)9 | 14:28:56 | 1.0 | Surface | 1 | 1 | 22.92 | 8.21 | 27.16 | 91.2 | 6.7 | 12.5 | 11.6 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS(Mf)9 | 14:28:29 | 1.0 | Surface | 1 | 2 | 22.91 | 8.21 | 27.16 | 90.6 | 6.66 | 12.7 | 10.1 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS(Mf)9 | 14:28:43 | 3.1 | Bottom | 3 | 1 | 22.9 | 8.21 | 27.17 | 90.8 | 6.67 | 14.5 | 11.7 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS(Mf)9 | 14:28:19 | 3.1 | Bottom | 3 | 2 | 22.86 | 8.21 | 27.19 | 90.4 | 6.64 | 14.7 | 10.5 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS10 | 15:12:46 | 1.0 | Surface | 1 | 1 | 22.93 | 8.22 | 27.4 | 93.3 | 6.84 | 9.3 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS10 | 15:13:38 | 1.0 | Surface | 1 | 2 | 22.92 | 8.22 | 27.42 | 92.8 | 6.81 | 9 | 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS10 | 15:13:18 | 5.6 | Middle | 2 | 1 | 22.59 | 8.23 | 28.69 | 90.9 | 6.65 | 10 | 6.9 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS10 | 15:12:14 | 5.6 | Middle | 2 | 2 | 22.63 | 8.23 | 28.26 | 91.1 | 6.68 | 9.7 | 5.9 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS10 | 15:12:01 | 10.2 | Bottom | 3 | 1 | 22.42 | 8.25 | 30.11 | 90.9 | 6.63 | 13.5 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | IS10 | 15:13:05 | 10.2 | Bottom | 3 | 2 | 22.39 | 8.25 | 30.16 | 90.9 | 6.63 | 12.9 | 8.1 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | SR3 | 13:46:25 | 0.8 | Middle | 2 | 1 | 22.85 | 8.19 | 28.52 | 90.8 | 6.63 | 10.4 | 7.3 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | SR3 | 13:46:28 | 0.8 | Middle | 2 | 2 | 22.84 | 8.19 | 28.54 | 90.8 | 6.63 | 10.4 | 8.3 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | SR4 | 14:42:08 | 1.0 | Surface | 1 | 1 | 23 | 8.19 | 27.17 | 89.1 | 6.53 | 10.1 | 8.9 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | SR4 | 14:41:42 | 1.0 | Surface | 1 | 2 | 23.03 | 8.18 | 27.01 | 89.1 | 6.54 | 10.3 | 8.7 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | SR4 | 14:41:36 | 3.0 | Bottom | 3 | 1 | 23.02 | 8.18 | 27 | 89.1 | 6.54 | 10.4 | 8.5 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | SR4 | 14:41:55 | 3.0 | Bottom | 3 | 2 | 23.09 | 8.18 | 26.99 | 89.1 | 6.53 | 10.6 | 9.5 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | SR5 | 15:01:38 | 1.0 | Surface | 1 | 1 | 22.93 | 8.21 | 27.34 | 93.1 | 6.83 | 7.6 | 5.9 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | SR5 | 15:01:03 | 1.0 | Surface | 1 | 2 | 22.91 | 8.21 | 27.37 | 92.9 | 6.81 | 8 | 6.7 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | SR5 | 15:01:18 | 4.3 | Bottom | 3 | 1 | 22.76 | 8.21 | 27.91 | 92.2 | 6.76 | 8.5 | 7.5 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | SR5 | 15:00:48 | 4.3 | Bottom | 3 | 2 | 22.78 | 8.21 | 27.84 | 92.4 | 6.78 | 8.8 | 8.1 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | SR10A | 16:39:19 | 1.0 | Surface | 1 | 1 | 22.62 | 8.23 | 28.08 | 88.9 | 6.53 | 7.5 | 7.1 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | SR10A | 16:38:33 | 1.0 | Surface | 1 | 2 | 22.62 | 8.23 | 28.07 | 89 | 6.54 | 7.6 | 8.1 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | SR10A | 16:38:24 | 3.7 | Middle | 2 | 1 | 22.6 | 8.23 | 28.13 | 88.8 | 6.52 | 7.7 | 7.6 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | SR10A | 16:39:06 | 3.7 | Middle | 2 | 2 | 22.6 | 8.23 | 28.14 | 88.5 | 6.5 | 7.7 | 8.9 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | SR10A | 16:38:15 | 6.3 | Bottom | 3 | 1 | 22.6 | 8.22 | 28.17 | 88.8 | 6.52 | 7.9 | 8.2 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | SR10A | 16:38:53 | 6.3 | Bottom | 3 | 2 | 22.6 | 8.23 | 28.17 | 88.6 | 6.51 | 7.9 | 8.5 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | SR10B | 16:54:27 | 1.0 | Surface | 1 | 1 | 22.53 | 8.24 | 28.72 | 88.8 | 6.51 | 9.1 | 10.9 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | SR10B | 16:54:45 | 1.0 | Surface | 1 | 2 | 22.53 | 8.25 | 28.72 | 88.8 | 6.51 | 8.9 | 12.1 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | SR10B | 16:54:34 | 4.6 | Bottom | 3 | 1 | 22.53 | 8.24 | 28.73 | 88.7 | 6.5 | 9.1 | 11 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | SR10B | 16:54:05 | 4.6 | Bottom | 3 | 2 | 22.53 | 8.24 | 28.74 | 88.6 | 6.5 | 9.2 | 10.1 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | CS2 | 13:54:34 | 1.0 | Surface | 1 | 1 | 22.6 | 8.25 | 28.56 | 92.3 | 6.76 | 10.7 | 7.7 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | CS2 | 13:55:26 | 1.0 | Surface | 1 | 2 | 22.58 | 8.25 | 28.43 | 91.8 | 6.73 | 11.4 | 7 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | CS2 | 13:54:18 | 3.6 | Middle | 2 | 1 | 22.26 | 8.29 | 30.62 | 91.3 | 6.65 | 14.6 | 6.3 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | CS2 | 13:55:14 | 3.6 | Middle | 2 | 2 | 22.23 | 8.29 | 30.74 | 90.8 | 6.62 | 15.4 | 7.4 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | CS2 | 13:54:03 | 6.2 | Bottom | 3 | 1 | 22.23 | 8.28 | 30.96 | 91.3 | 6.64 | 14.4 | 6.3 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | CS2 | 13:54:56 | 6.2 | Bottom | 3 | 2 | 22.21 | 8.28 | 30.98 | 90.9 | 6.61 | 15.6 | 7 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | CS(Mf)5 | 16:08:37 | 1.0 | Surface | 1 | 1 | 22.68 | 8.24 | 27.8 | 89.4 | 6.57 | 11.5 | 8.7 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | CS(Mf)5 | 16:07:44 | 1.0 | Surface | 1 | 2 | 22.69 | 8.24 | 27.76 | 89.1 | 6.55 | 11.9 | 9.2 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | CS(Mf)5 | 16:07:29 | 6.5 | Middle | 2 | 1 | 22.48 | 8.24 | 28.2 | 87.6 | 6.45 | 20.7 | 9.8 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | CS(Mf)5 | 16:08:19 | 6.5 | Middle | 2 | 2 | 22.57 | 8.24 | 28.08 | 87.9 | 6.46 | 20.6 | 8.9 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | CS(Mf)5 | 16:07:20 | 12.0 | Bottom | 3 | 1 | 22.38 | 8.24 | 29.02 | 88.3 | 6.48 | 22.1 | 21.7 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Ebb | Sunny | CS(Mf)5 | 16:08:01 | 12.0 | Bottom | 3 | 2 | 22.34 | 8.24 | 29.25 | 87.6 | 6.43 | 22.3 | 21.7 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS5 | 08:39:20 | 1.0 | Surface | 1 | 1 | 22.54 | 8.23 | 27.51 | 90.5 | 6.68 | 10.2 | 10.1 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS5 | 08:38:49 | 1.0 | Surface | 1 | 2 | 22.54 | 8.23 | 27.53 | 90.4 | 6.67 | 10.4 | 10.7 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS5 | 08:39:13 | 4.8 | Middle | 2 | 1 | 22.53 | 8.23 | 27.56 | 90.3 | 6.66 | 10.4 | 9.6 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS5 | 08:38:43 | 4.8 | Middle | 2 | 2 | 22.53 | 8.23 | 27.57 | 90.2 | 6.66 | 10.5 | 11.2 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS5 | 08:39:06 | 8.6 | Bottom | 3 | 1 | 22.53 | 8.23 | 27.57 | 90.1 | 6.65 | 10.6 | 11.4 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS5 | 08:38:35 | 8.6 | Bottom | 3 | 2 | 22.53 | 8.22 | 27.58 | 90.2 | 6.65 | 10.7 | 10.3 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS(Mf)6 | 08:30:05 | 1.0 | Surface | 1 | 1 | 22.56 | 8.22 | 27.54 | 91 | 6.71 | 11.5 | 12.8 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS(Mf)6 | 08:30:14 | 1.0 | Surface | 1 | 2 | 22.56 | 8.22 | 27.54 | 90.9 | 6.71 | 11.5 | 12 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS(Mf)6 | 08:30:01 | 2.4 | Bottom | 3 | 1 | 22.56 | 8.22 | 27.54 | 91 | 6.71 | 11.5 | 12.7 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS(Mf)6 | 08:30:11 | 2.4 | Bottom | 3 | 2 | 22.57 | 8.22 | 27.54 | 91 | 6.71 | 11.5 | 12.4 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS7 | 08:24:12 | 1.0 | Surface | 1 | 1 | 22.57 | 8.21 | 27.11 | 91.5 | 6.77 | 9.3 | 5.2 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS7 | 08:24:03 | 1.0 | Surface | 1 | 2 | 22.56 | 8.21 | 27.14 | 91.6 | 6.77 | 9.6 | 5.2 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS7 | 08:24:07 | 2.5 | Bottom | 3 | 1 | 22.58 | 8.21 | 27.18 | 91.5 | 6.76 | 9.9 | 8.5 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS7 | 08:23:59 | 2.5 | Bottom | 3 | 2 | 22.58 | 8.2 | 27.19 | 91.6 | 6.77 | 9.7 | 8.6 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS8 | 08:03:19 | 1.0 | Surface | 1 | 1 | 22.54 | 8.2 | 26.99 | 89 | 6.59 | 17.1 | 7.8 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS8 | 08:03:08 | 1.0 | Surface | 1 | 2 | 22.53 | 8.2 | 27.04 | 89.1 | 6.59 | 16.9 | 6.6 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS8 | 08:03:03 | 2.7 | Bottom | 3 | 1 | 22.54 | 8.2 | 27.08 | 89.1 | 6.59 | 18.1 | 5.7 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS8 | 08:03:13 | 2.7 | Bottom | 3 | 2 | 22.55 | 8.2 | 27.05 | 89 | 6.58 | 18.5 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS(Mf)9 | 08:18:06 | 1.0 | Surface | 1 | 1 | 22.59 | 8.2 | 26.78 | 89 | 6.59 | 11.5 | 6.7 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS(Mf)9 | 08:18:17 | 1.0 | Surface | 1 | 2 | 22.61 | 8.21 | 26.65 | 88.9 | 6.59 | 11.8 | 7.6 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS(Mf)9 | 08:18:11 | 2.5 | Bottom | 3 | 1 | 22.61 | 8.2 | 26.78 | 88.9 | 6.58 | 12.6 | 8 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS(Mf)9 | 08:18:01 | 2.5 | Bottom | 3 | 2 | 22.62 | 8.2 | 26.78 | 88.9 | 6.58 | 12.9 | 7.7 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS10 | 08:34:11 | 1.0 | Surface | 1 | 1 | 22.65 | 8.13 | 26.74 | 87.2 | 6.45 | 10.6 | 8.3 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS10 | 08:35:19 | 1.0 | Surface | 1 | 2 | 22.67 | 8.14 | 26.74 | 87.3 | 6.46 | 10.8 | 8.4 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS10 | 08:34:56 | 5.7 | Middle | 2 | 1 | 22.4 | 8.16 | 28.3 | 86.1 | 6.34 | 13 | 8 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS10 | 08:33:49 | 5.7 | Middle | 2 | 2 | 22.42 | 8.16 | 28.21 | 85.9 | 6.33 | 12.7 | 8.8 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS10 | 08:34:39 | 10.3 | Bottom | 3 | 1 | 22.37 | 8.17 | 28.54 | 85.9 | 6.32 | 14.5 | 9.2 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | IS10 | 08:33:23 | 10.3 | Bottom | 3 | 2 | 22.38 | 8.16 | 28.52 | 86 | 6.33 | 13.8 | 8.2 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | SR3 | 08:47:36 | 0.9 | Middle | 2 | 1 | 22.56 | 8.23 | 27.56 | 90.2 | 6.65 | 13.6 | 13.7 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | SR3 | 08:47:38 | 0.9 | Middle | 2 | 2 | 22.56 | 8.23 | 27.57 | 90.2 | 6.65 | 13.5 | 13.5 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | SR4 | 08:10:45 | 1.0 | Surface | 1 | 1 | 22.6 | 8.2 | 26.64 | 89.2 | 6.61 | 18.2 | 6.7 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | SR4 | 08:10:33 | 1.0 | Surface | 1 | 2 | 22.59 | 8.19 | 26.69 | 89.3 | 6.62 | 18.4 | 6.8 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | SR4 | 08:10:38 | 2.5 | Bottom | 3 | 1 | 22.61 | 8.19 | 26.84 | 89.1 | 6.6 | 20.9 | 7.5 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | SR4 | 08:10:27 | 2.5 | Bottom | 3 | 2 | 22.6 | 8.19 | 26.89 | 89.2 | 6.6 | 20.5 | 7.8 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | SR5 | 08:42:07 | 1.0 | Surface | 1 | 1 | 22.68 | 8.13 | 26.7 | 87.2 | 6.45 | 9 | 7.8 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | SR5 | 08:42:42 | 1.0 | Surface | 1 | 2 | 22.68 | 8.13 | 26.69 | 87.3 | 6.46 | 8.8 | 8.4 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | SR5 | 08:41:50 | 4.5 | Bottom | 3 | 1 | 22.6 | 8.13 | 27.01 | 86.8 | 6.41 | 9.2 | 7.9 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | SR5 | 08:42:23 | 4.5 | Bottom | 3 | 2 | 22.59 | 8.14 | 27.02 | 86.7 | 6.41 | 9.4 | 8.2 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | SR10A | 07:10:03 | 1.0 | Surface | 1 | 1 | 22.22 | 8.27 | 29.66 | 88.2 | 6.47 | 5.5 | 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | SR10A | 07:10:28 | 1.0 | Surface | 1 | 2 | 22.2 | 8.27 | 29.78 | 88 | 6.45 | 5.7 | 4.2 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | SR10A | 07:09:55 | 3.3 | Middle | 2 | 1 | 22.19 | 8.27 | 29.81 | 87.9 | 6.45 | 5.9 | 4.2 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | SR10A | 07:10:22 | 3.3 | Middle | 2 | 2 | 22.16 | 8.27 | 29.94 | 87.8 | 6.43 | 5.8 | 3.9 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | SR10A | 07:10:16 | 5.6 | Bottom | 3 | 1 | 22.16 | 8.27 | 30.08 | 87.8 | 6.43 | 6.1 | 6.4 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | SR10A | 07:09:40 | 5.6 | Bottom | 3 | 2 | 22.17 | 8.27 | 30.02 | 88 | 6.44 | 6.3 | 5.1 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | SR10B | 07:04:50 | 1.0 | Surface | 1 | 1 | 22.02 | 8.28 | 31.2 | 87.2 | 6.36 | 8.5 | 11 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | SR10B | 07:05:01 | 1.0 | Surface | 1 | 2 | 22.02 | 8.29 | 31.2 | 87.2 | 6.36 | 8.5 | 10.4 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | SR10B | 07:04:42 | 4.4 | Bottom | 3 | 1 | 22.02 | 8.28 | 31.2 | 87.2 | 6.36 | 8.7 | 10.5 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | SR10B | 07:04:56 | 4.4 | Bottom | 3 | 2 | 22.02 | 8.29 | 31.2 | 87.2 | 6.36 | 8.6 | 10.5 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | CS2 | 09:53:51 | 1.0 | Surface | 1 | 1 | 22.81 | 8.09 | 24.6 | 87.8 | 6.56 | 9.2 | 6.3 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | CS2 | 09:55:12 | 1.0 | Surface | 1 | 2 | 22.82 | 8.09 | 24.59 | 87.7 | 6.55 | 9 | 6.3 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | CS2 | 09:53:27 | 3.5 | Middle | 2 | 1 | 22.54 | 8.18 | 27.49 | 89.4 | 6.6 | 11.8 | 7.9 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | CS2 | 09:54:45 | 3.5 | Middle | 2 | 2 | 22.55 | 8.18 | 27.47 | 89 | 6.57 | 12.2 | 8.3 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | CS2 | 09:54:21 | 6.0 | Bottom | 3 | 1 | 22.33 | 8.22 | 29.8 | 88.8 | 6.49 | 13.1 | 7.7 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | CS2 | 09:52:58 | 6.0 | Bottom | 3 | 2 | 22.33 | 8.22 | 29.82 | 89.3 | 6.53 | 13.9 | 7.8 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | CS(Mf)5 | 07:36:00 | 1.0 | Surface | 1 | 1 | 22.41 | 8.24 | 27.93 | 88.7 | 6.55 | 7.7 | 4.7 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | CS(Mf)5 | 07:36:29 | 1.0 | Surface | 1 | 2 | 22.49 | 8.23 | 27.46 | 89.1 | 6.58 | 7.9 | 5.8 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | CS(Mf)5 | 07:36:22 | 6.8 | Middle | 2 | 1 | 22.36 | 8.24 | 28.29 | 88.5 | 6.53 | 10.5 | 7.2 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | CS(Mf)5 | 07:35:53 | 6.8 | Middle | 2 | 2 | 22.29 | 8.24 | 28.87 | 88.4 | 6.5 | 10.2 | 7.7 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | CS(Mf)5 | 07:35:47 | 12.5 | Bottom | 3 | 1 | 22.34 | 8.23 | 29.27 | 88.5 | 6.49 | 11.6 | 6 | |
| HKLR | HY/2011/03 | 2013-04-29 | Mid-Flood | Sunny | CS(Mf)5 | 07:36:17 | 12.5 | Bottom | 3 | 2 | 22.32 | 8.24 | 28.71 | 88.4 | 6.51 | 11.9 | 7.1 | |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS5 | 15:58:54 | 1.0 | Surface | 1 | 1 | 23.41 | 8.25 | 25.92 | 87.6 | 6.43 | 7.2 | 7.1 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS5 | 15:57:45 | 1.0 | Surface | 1 | 2 | 23.43 | 8.25 | 25.87 | 87.6 | 6.42 | 7.4 | 7 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS5 | 15:58:34 | 4.7 | Middle | 2 | 1 | 23.29 | 8.27 | 26.44 | 87.2 | 6.39 | 8.6 | 7.3 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS5 | 15:57:25 | 4.7 | Middle | 2 | 2 | 23.3 | 8.27 | 26.4 | 87.2 | 6.39 | 8.8 | 7.2 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS5 | 15:58:13 | 8.4 | Bottom | 3 | 1 | 23.05 | 8.29 | 28.13 | 86.8 | 6.32 | 9.4 | 7.1 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS5 | 15:57:03 | 8.4 | Bottom | 3 | 2 | 23.07 | 8.28 | 28.16 | 86.8 | 6.31 | 9.5 | 8.2 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS(Mf)6 | 16:06:22 | 1.0 | Surface | 1 | 1 | 23.6 | 8.2 | 22.43 | 91.3 | 6.81 | 7.3 | 7.2 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS(Mf)6 | 16:07:03 | 1.0 | Surface | 1 | 2 | 23.6 | 8.19 | 22.41 | 91.4 | 6.82 | 7.3 | 6.9 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS(Mf)6 | 16:06:03 | 2.3 | Bottom | 3 | 1 | 23.6 | 8.2 | 22.52 | 91 | 6.78 | 7.4 | 7.5 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS(Mf)6 | 16:06:44 | 2.3 | Bottom | 3 | 2 | 23.6 | 8.19 | 22.5 | 91 | 6.78 | 7.5 | 8.7 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS7 | 16:14:58 | 1.0 | Surface | 1 | 1 | 23.58 | 8.17 | 22.12 | 88.7 | 6.63 | 6.3 | 7.7 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS7 | 16:14:10 | 1.0 | Surface | 1 | 2 | 23.58 | 8.17 | 22.13 | 88.5 | 6.62 | 6.4 | 7.9 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS7 | 16:14:29 | 2.4 | Bottom | 3 | 1 | 23.57 | 8.17 | 22.23 | 88.6 | 6.62 | 6.6 | 7.1 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS7 | 16:13:51 | 2.4 | Bottom | 3 | 2 | 23.56 | 8.17 | 22.24 | 88.4 | 6.61 | 6.7 | 8.9 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS8 | 16:45:13 | 1.0 | Surface | 1 | 1 | 23.39 | 8.18 | 23.72 | 88 | 6.54 | 7.3 | 9.1 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS8 | 16:44:29 | 1.0 | Surface | 1 | 2 | 23.38 | 8.18 | 23.72 | 88.1 | 6.55 | 7.5 | 10.4 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS8 | 16:44:48 | 2.5 | Bottom | 3 | 1 | 23.38 | 8.18 | 23.75 | 87.9 | 6.54 | 7.7 | 9.6 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS8 | 16:44:11 | 2.5 | Bottom | 3 | 2 | 23.38 | 8.18 | 23.76 | 88.1 | 6.55 | 7.9 | 10.2 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS(Mf)9 | 16:23:23 | 1.0 | Surface | 1 | 1 | 23.47 | 8.18 | 22.59 | 86.4 | 6.46 | 8 | 7 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS(Mf)9 | 16:24:07 | 1.0 | Surface | 1 | 2 | 23.46 | 8.18 | 22.58 | 86.6 | 6.47 | 8.3 | 7.2 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS(Mf)9 | 16:23:46 | 2.4 | Bottom | 3 | 1 | 23.4 | 8.17 | 24.51 | 86.3 | 6.42 | 8.8 | 7.7 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS(Mf)9 | 16:23:05 | 2.4 | Bottom | 3 | 2 | 23.37 | 8.17 | 24.52 | 86.2 | 6.4 | 8.8 | 8.4 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS10 | 17:25:33 | 1.0 | Surface | 1 | 1 | 23.19 | 8.16 | 25.64 | 85.7 | 6.32 | 9.2 | 8 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS10 | 17:24:27 | 1.0 | Surface | 1 | 2 | 23.16 | 8.16 | 25.7 | 85.4 | 6.3 | 9.5 | 8.9 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS10 | 17:24:16 | 5.3 | Middle | 2 | 1 | 23 | 8.17 | 26.92 | 84.6 | 6.21 | 10.1 | 9.8 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS10 | 17:25:15 | 5.3 | Middle | 2 | 2 | 23 | 8.17 | 27.18 | 84.3 | 6.18 | 10 | 10.5 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS10 | 17:24:04 | 9.5 | Bottom | 3 | 1 | 22.98 | 8.17 | 28.45 | 84.8 | 6.18 | 10 | 9.4 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | IS10 | 17:24:51 | 9.5 | Bottom | 3 | 2 | 22.81 | 8.18 | 28.55 | 84.2 | 6.15 | 10.6 | 10 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | SR3 | 15:42:25 | 1.4 | Middle | 2 | 1 | 23.44 | 8.25 | 25.81 | 89.3 | 6.55 | 7.1 | 8.3 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | SR3 | 15:42:10 | 1.4 | Middle | 2 | 2 | 23.45 | 8.25 | 25.78 | 89.6 | 6.57 | 7.1 | 8.6 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | SR4 | 16:36:13 | 1.0 | Surface | 1 | 1 | 23.44 | 8.21 | 23.72 | 87.9 | 6.53 | 7.7 | 10.7 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | SR4 | 16:35:26 | 1.0 | Surface | 1 | 2 | 23.44 | 8.21 | 23.7 | 87.9 | 6.54 | 7.6 | 9.7 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | SR4 | 16:35:07 | 2.3 | Bottom | 3 | 1 | 23.38 | 8.21 | 23.86 | 87.8 | 6.53 | 8.3 | 9.2 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | SR4 | 16:35:47 | 2.3 | Bottom | 3 | 2 | 23.38 | 8.21 | 23.84 | 87.8 | 6.53 | 8.2 | 9 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | SR5 | 17:14:26 | 1.0 | Surface | 1 | 1 | 23.18 | 8.15 | 25.89 | 86.3 | 6.36 | 9.7 | 11.1 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | SR5 | 17:14:01 | 1.0 | Surface | 1 | 2 | 23.17 | 8.15 | 25.96 | 86.4 | 6.36 | 9.5 | 11.1 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | SR5 | 17:14:12 | 3.5 | Bottom | 3 | 1 | 23.15 | 8.15 | 26.19 | 86 | 6.33 | 9.7 | 10.8 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | SR5 | 17:13:48 | 3.5 | Bottom | 3 | 2 | 23.09 | 8.16 | 26.62 | 86.3 | 6.34 | 9.8 | 10.1 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | SR10A | 17:47:52 | 1.0 | Surface | 1 | 1 | 22.69 | 8.31 | 29.75 | 89.5 | 6.5 | 3.4 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | SR10A | 17:49:15 | 1.0 | Surface | 1 | 2 | 22.69 | 8.31 | 29.73 | 89.4 | 6.49 | 3.3 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | SR10A | 17:48:49 | 3.2 | Middle | 2 | 1 | 22.69 | 8.31 | 29.75 | 89.2 | 6.48 | 3.4 | 4.5 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | SR10A | 17:47:25 | 3.2 | Middle | 2 | 2 | 22.69 | 8.31 | 29.77 | 89.4 | 6.49 | 3.5 | 5.6 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | SR10A | 17:47:05 | 5.4 | Bottom | 3 | 1 | 22.69 | 8.31 | 29.83 | 89.9 | 6.53 | 3.3 | 6.7 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | SR10A | 17:48:26 | 5.4 | Bottom | 3 | 2 | 22.68 | 8.31 | 29.87 | 89.5 | 6.5 | 3.4 | 7 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | SR10B | 18:00:07 | 1.0 | Surface | 1 | 1 | 22.53 | 8.31 | 30.85 | 89.1 | 6.45 | 6.4 | 6.1 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | SR10B | 18:00:49 | 1.0 | Surface | 1 | 2 | 22.53 | 8.32 | 30.86 | 88.8 | 6.43 | 6.5 | 6.3 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | SR10B | 17:59:46 | 4.3 | Bottom | 3 | 1 | 22.53 | 8.31 | 30.84 | 89.5 | 6.48 | 6.6 | 8.9 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | SR10B | 18:00:28 | 4.3 | Bottom | 3 | 2 | 22.53 | 8.32 | 30.85 | 89.2 | 6.46 | 6.9 | 9.7 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | CS2 | 15:47:18 | 1.0 | Surface | 1 | 1 | 23.26 | 8.17 | 25.1 | 88.4 | 6.53 | 14.5 | 8.8 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | CS2 | 15:46:42 | 1.0 | Surface | 1 | 2 | 23.32 | 8.15 | 25.11 | 89.1 | 6.57 | 14.7 | 9.8 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | CS2 | 15:47:09 | 3.9 | Middle | 2 | 1 | 23.09 | 8.2 | 26.99 | 88.6 | 6.5 | 16.5 | 8 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | CS2 | 15:46:22 | 3.9 | Middle | 2 | 2 | 23.11 | 8.2 | 27.01 | 89.7 | 6.57 | 16.4 | 8.5 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | CS2 | 15:46:03 | 6.7 | Bottom | 3 | 1 | 22.97 | 8.23 | 28.72 | 92.9 | 6.76 | 17.7 | 10 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | CS2 | 15:46:59 | 6.7 | Bottom | 3 | 2 | 22.95 | 8.23 | 28.87 | 88.3 | 6.42 | 16.9 | 9.1 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | CS(Mf)5 | 17:23:18 | 1.0 | Surface | 1 | 1 | 23.11 | 8.28 | 26.1 | 90.6 | 6.67 | 4.3 | 5.2 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | CS(Mf)5 | 17:22:01 | 1.0 | Surface | 1 | 2 | 23.11 | 8.28 | 26.14 | 90.7 | 6.68 | 4.1 | 5 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | CS(Mf)5 | 17:22:54 | 6.5 | Middle | 2 | 1 | 22.66 | 8.32 | 29.97 | 87.8 | 6.38 | 5.7 | 6.4 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | CS(Mf)5 | 17:21:38 | 6.5 | Middle | 2 | 2 | 22.65 | 8.31 | 29.96 | 88.5 | 6.42 | 5.5 | 7.6 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | CS(Mf)5 | 17:22:31 | 12.0 | Bottom | 3 | 1 | 22.41 | 8.31 | 31.41 | 87.4 | 6.32 | 7.4 | 7.4 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Ebb | Fine | CS(Mf)5 | 17:21:21 | 12.0 | Bottom | 3 | 2 | 22.42 | 8.31 | 31.36 | 88.2 | 6.38 | 7.1 | 7.6 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS5 | 11:00:47 | 1.0 | Surface | 1 | 1 | 23.44 | 8.17 | 22.84 | 88 | 6.57 | 6.5 | 7.2 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS5 | 11:01:59 | 1.0 | Surface | 1 | 2 | 23.43 | 8.17 | 22.87 | 87.8 | 6.55 | 6.4 | 7.5 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS5 | 11:00:35 | 4.8 | Middle | 2 | 1 | 23.3 | 8.19 | 25.15 | 87.3 | 6.45 | 6.8 | 6.9 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS5 | 11:01:39 | 4.8 | Middle | 2 | 2 | 23.3 | 8.19 | 25.16 | 86.9 | 6.41 | 6.6 | 6.3 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS5 | 11:00:11 | 8.6 | Bottom | 3 | 1 | 23.25 | 8.18 | 26.18 | 86.6 | 6.36 | 8.2 | 6.2 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS5 | 11:01:15 | 8.6 | Bottom | 3 | 2 | 23.25 | 8.18 | 26.16 | 86.5 | 6.35 | 8.2 | 6.3 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS(Mf)6 | 10:51:00 | 1.0 | Surface | 1 | 1 | 23.46 | 8.12 | 22.16 | 85.9 | 6.43 | 6.7 | 6.7 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS(Mf)6 | 10:50:13 | 1.0 | Surface | 1 | 2 | 23.46 | 8.11 | 22.15 | 86 | 6.44 | 6.7 | 7 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS(Mf)6 | 10:49:52 | 2.3 | Bottom | 3 | 1 | 23.45 | 8.12 | 22.31 | 86.2 | 6.45 | 6.9 | 9.4 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS(Mf)6 | 10:50:39 | 2.3 | Bottom | 3 | 2 | 23.45 | 8.13 | 22.33 | 86.1 | 6.44 | 7 | 9.7 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS7 | 10:42:16 | 1.0 | Surface | 1 | 1 | 23.46 | 8.13 | 22.63 | 86.9 | 6.49 | 6.5 | 9.4 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS7 | 10:43:10 | 1.0 | Surface | 1 | 2 | 23.46 | 8.13 | 22.64 | 86.6 | 6.47 | 6.5 | 9 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS7 | 10:41:59 | 2.5 | Bottom | 3 | 1 | 23.43 | 8.13 | 22.79 | 86.9 | 6.48 | 6.6 | 11.5 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS7 | 10:42:47 | 2.5 | Bottom | 3 | 2 | 23.43 | 8.13 | 22.83 | 86.7 | 6.47 | 6.6 | 10.8 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS8 | 10:14:46 | 1.0 | Surface | 1 | 1 | 23.58 | 8.1 | 21.67 | 83.7 | 6.27 | 6.3 | 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS8 | 10:15:35 | 1.0 | Surface | 1 | 2 | 23.56 | 8.1 | 21.66 | 83.7 | 6.28 | 6.3 | 10.5 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS8 | 10:15:10 | 2.7 | Bottom | 3 | 1 | 23.48 | 8.1 | 22.06 | 83.3 | 6.24 | 7.4 | 5.9 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS8 | 10:14:28 | 2.7 | Bottom | 3 | 2 | 23.47 | 8.1 | 22.07 | 83.5 | 6.25 | 7.5 | 5.2 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS(Mf)9 | 10:34:37 | 1.0 | Surface | 1 | 1 | 23.47 | 8.13 | 21.84 | 85.1 | 6.38 | 9.1 | 13.8 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS(Mf)9 | 10:35:26 | 1.0 | Surface | 1 | 2 | 23.46 | 8.13 | 21.85 | 84.8 | 6.36 | 9.5 | 13.4 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS(Mf)9 | 10:35:07 | 2.5 | Bottom | 3 | 1 | 23.34 | 8.13 | 24.1 | 84.7 | 6.28 | 8.7 | 11.5 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS(Mf)9 | 10:34:18 | 2.5 | Bottom | 3 | 2 | 23.34 | 8.13 | 24.09 | 84.8 | 6.29 | 8.9 | 10.5 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS10 | 10:01:48 | 1.0 | Surface | 1 | 1 | 23.43 | 8.04 | 22.71 | 85 | 6.35 | 15.3 | 10.3 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS10 | 10:01:04 | 1.0 | Surface | 1 | 2 | 23.38 | 8.05 | 22.72 | 85 | 6.35 | 15.1 | 10.7 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS10 | 10:00:54 | 5.4 | Middle | 2 | 1 | 23.15 | 8.09 | 25.51 | 84.1 | 6.21 | 15.5 | 11.6 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS10 | 10:01:34 | 5.4 | Middle | 2 | 2 | 23.17 | 8.09 | 25.23 | 84.3 | 6.23 | 15.5 | 10.9 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS10 | 10:01:22 | 9.8 | Bottom | 3 | 1 | 23.02 | 8.11 | 27.37 | 83.7 | 6.13 | 16.7 | 10 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | IS10 | 10:00:40 | 9.8 | Bottom | 3 | 2 | 23.05 | 8.09 | 27.18 | 83.6 | 6.12 | 16.3 | 11.1 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | SR3 | 11:12:14 | 1.3 | Middle | 2 | 1 | 23.45 | 8.15 | 23.15 | 89.2 | 6.64 | 5.7 | 6.2 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | SR3 | 11:12:38 | 1.3 | Middle | 2 | 2 | 23.44 | 8.15 | 23.16 | 89 | 6.63 | 5.7 | 6.7 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | SR4 | 10:26:02 | 1.0 | Surface | 1 | 1 | 23.53 | 8.11 | 21.73 | 83.6 | 6.26 | 7.4 | 6.2 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | SR4 | 10:25:21 | 1.0 | Surface | 1 | 2 | 23.52 | 8.12 | 21.69 | 83.8 | 6.28 | 7.3 | 7.8 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | SR4 | 10:25:43 | 2.4 | Bottom | 3 | 1 | 23.44 | 8.11 | 22.15 | 83.3 | 6.23 | 8 | 7.2 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | SR4 | 10:25:01 | 2.4 | Bottom | 3 | 2 | 23.43 | 8.12 | 22.12 | 83.6 | 6.26 | 8.2 | 6.4 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | SR5 | 10:09:00 | 1.0 | Surface | 1 | 1 | 23.45 | 8.03 | 21.94 | 84.3 | 6.32 | 13.8 | 10.7 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | SR5 | 10:09:22 | 1.0 | Surface | 1 | 2 | 23.45 | 8.03 | 21.87 | 84.2 | 6.31 | 13.4 | 10.7 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | SR5 | 10:08:45 | 3.7 | Bottom | 3 | 1 | 23.26 | 8.05 | 25.31 | 83.8 | 6.18 | 17.9 | 11.4 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | SR5 | 10:09:10 | 3.7 | Bottom | 3 | 2 | 23.3 | 8.05 | 25.12 | 83.7 | 6.18 | 17.5 | 10.5 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | SR10A | 09:08:32 | 1.0 | Surface | 1 | 1 | 23.1 | 8.23 | 25.49 | 87.7 | 6.48 | 4.2 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | SR10A | 09:09:33 | 1.0 | Surface | 1 | 2 | 23.11 | 8.23 | 25.49 | 87.4 | 6.46 | 4.2 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | SR10A | 09:08:12 | 3.2 | Middle | 2 | 1 | 22.96 | 8.24 | 28.19 | 87 | 6.37 | 4.2 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | SR10A | 09:09:11 | 3.2 | Middle | 2 | 2 | 22.95 | 8.25 | 28.17 | 86.6 | 6.34 | 4.2 | 5.9 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | SR10A | 09:07:54 | 5.4 | Bottom | 3 | 1 | 22.88 | 8.23 | 28.58 | 87.2 | 6.38 | 4.3 | 9.1 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | SR10A | 09:08:52 | 5.4 | Bottom | 3 | 2 | 22.88 | 8.24 | 28.63 | 86.6 | 6.32 | 4.3 | 10.7 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | SR10B | 08:44:36 | 1.0 | Surface | 1 | 1 | 22.54 | 8.3 | 29.53 | 87.5 | 6.37 | 5.2 | 10.2 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | SR10B | 08:45:26 | 1.0 | Surface | 1 | 2 | 22.54 | 8.3 | 29.55 | 87.3 | 6.36 | 5.3 | 10.3 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | SR10B | 08:45:07 | 4.4 | Bottom | 3 | 1 | 22.42 | 8.3 | 31.29 | 87 | 6.3 | 6.5 | 8.1 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | SR10B | 08:44:15 | 4.4 | Bottom | 3 | 2 | 22.45 | 8.29 | 31.3 | 87.3 | 6.31 | 6.2 | 8 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | CS2 | 11:38:20 | 1.0 | Surface | 1 | 1 | 23.34 | 8.07 | 22.98 | 84.6 | 6.32 | 14.1 | 10.7 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | CS2 | 11:39:08 | 1.0 | Surface | 1 | 2 | 23.44 | 8.04 | 22.71 | 84.3 | 6.29 | 14.3 | 11.4 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | CS2 | 11:38:45 | 4.0 | Middle | 2 | 1 | 23 | 8.12 | 27.41 | 84 | 6.15 | 15.3 | 11.3 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | CS2 | 11:38:09 | 4.0 | Middle | 2 | 2 | 23.03 | 8.12 | 27.25 | 84.1 | 6.16 | 15.5 | 12.4 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | CS2 | 11:38:32 | 7.0 | Bottom | 3 | 1 | 23.03 | 8.11 | 27.73 | 83.8 | 6.12 | 16.3 | 11.6 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | CS2 | 11:37:52 | 7.0 | Bottom | 3 | 2 | 22.98 | 8.12 | 27.55 | 83.9 | 6.14 | 16.6 | 12 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | CS(Mf)5 | 09:36:03 | 1.0 | Surface | 1 | 1 | 23.51 | 8.2 | 22.47 | 86.9 | 6.5 | 4.6 | 11.9 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | CS(Mf)5 | 09:37:12 | 1.0 | Surface | 1 | 2 | 23.54 | 8.2 | 22.47 | 87.1 | 6.51 | 4.8 | 10 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | CS(Mf)5 | 09:35:41 | 6.6 | Middle | 2 | 1 | 22.63 | 8.27 | 29.47 | 85.1 | 6.2 | 3.8 | 12.8 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | CS(Mf)5 | 09:36:49 | 6.6 | Middle | 2 | 2 | 22.65 | 8.26 | 29.54 | 85.4 | 6.22 | 3.7 | 12.8 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | CS(Mf)5 | 09:35:19 | 12.2 | Bottom | 3 | 1 | 22.45 | 8.27 | 30.99 | 84.8 | 6.14 | 5.2 | 12.4 | |
| HKLR | HY/2011/03 | 2013-05-01 | Mid-Flood | Cloudy | CS(Mf)5 | 09:36:31 | 12.2 | Bottom | 3 | 2 | 22.48 | 8.26 | 31 | 84.8 | 6.14 | 4.9 | 13.2 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS5 | 09:03:51 | 1.0 | Surface | 1 | 1 | 22.05 | 8.26 | 28.21 | 91.9 | 6.81 | 6.7 | 6.3 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS5 | 09:01:59 | 1.0 | Surface | 1 | 2 | 21.97 | 8.26 | 28.04 | 91.1 | 6.77 | 6.2 | 6.7 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS5 | 09:01:38 | 4.6 | Middle | 2 | 1 | 22.12 | 8.27 | 28.44 | 90.4 | 6.68 | 9.5 | 5.8 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS5 | 09:03:31 | 4.6 | Middle | 2 | 2 | 22.27 | 8.28 | 29.39 | 92 | 6.75 | 10.6 | 5.9 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS5 | 09:01:18 | 8.2 | Bottom | 3 | 1 | 22.34 | 8.29 | 29.7 | 90.9 | 6.65 | 11.9 | 7.3 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS5 | 09:03:13 | 8.2 | Bottom | 3 | 2 | 22.3 | 8.27 | 29.74 | 93.1 | 6.81 | 12.1 | 6.5 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS(Mf)6 | 08:52:31 | 1.0 | Surface | 1 | 1 | 22.1 | 8.25 | 27.34 | 91.1 | 6.78 | 6.8 | 7.5 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS(Mf)6 | 08:52:53 | 1.0 | Surface | 1 | 2 | 22.1 | 8.24 | 27.4 | 91.1 | 6.78 | 6.3 | 7 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS(Mf)6 | 08:52:21 | 2.3 | Bottom | 3 | 1 | 22.09 | 8.25 | 27.74 | 90.9 | 6.75 | 7.3 | 7.6 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS(Mf)6 | 08:52:40 | 2.3 | Bottom | 3 | 2 | 22.1 | 8.24 | 27.78 | 91.1 | 6.77 | 7 | 6 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS7 | 08:46:30 | 1.0 | Surface | 1 | 1 | 22.15 | 8.23 | 27.14 | 89.9 | 6.7 | 11.9 | 9.8 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS7 | 08:46:07 | 1.0 | Surface | 1 | 2 | 22.17 | 8.22 | 27.19 | 89.5 | 6.66 | 13 | 10.2 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS7 | 08:45:59 | 2.5 | Bottom | 3 | 1 | 22.21 | 8.22 | 27.51 | 89.8 | 6.67 | 14.8 | 6.7 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS7 | 08:46:17 | 2.5 | Bottom | 3 | 2 | 22.21 | 8.22 | 27.39 | 89.5 | 6.65 | 13.9 | 7.1 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS8 | 08:23:07 | 1.0 | Surface | 1 | 1 | 22.22 | 8.25 | 27.54 | 90.4 | 6.71 | 4.8 | 5.3 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS8 | 08:22:38 | 1.0 | Surface | 1 | 2 | 22.25 | 8.25 | 27.57 | 90.3 | 6.7 | 4.8 | 5.5 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS8 | 08:22:54 | 2.6 | Bottom | 3 | 1 | 22.28 | 8.25 | 27.66 | 90.2 | 6.68 | 4.9 | 5.6 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS8 | 08:22:29 | 2.6 | Bottom | 3 | 2 | 22.26 | 8.25 | 27.65 | 90.5 | 6.71 | 4.9 | 5.5 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS(Mf)9 | 08:38:47 | 1.0 | Surface | 1 | 1 | 22.33 | 8.22 | 27.52 | 89.7 | 6.65 | 10.8 | 10.9 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS(Mf)9 | 08:39:15 | 1.0 | Surface | 1 | 2 | 22.32 | 8.23 | 27.47 | 89.8 | 6.65 | 9.7 | 9.4 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS(Mf)9 | 08:38:39 | 2.4 | Bottom | 3 | 1 | 22.35 | 8.22 | 27.7 | 89.9 | 6.65 | 13.1 | 7.7 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS(Mf)9 | 08:39:00 | 2.4 | Bottom | 3 | 2 | 22.35 | 8.22 | 27.76 | 89.4 | 6.61 | 14.2 | 8.8 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS10 | 08:18:47 | 1.0 | Surface | 1 | 1 | 22.57 | 8.11 | 23.4 | 86.9 | 6.56 | 5 | 5.6 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS10 | 08:18:14 | 1.0 | Surface | 1 | 2 | 22.57 | 8.11 | 23.45 | 87.1 | 6.57 | 5.2 | 4.7 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS10 | 08:18:37 | 5.6 | Middle | 2 | 1 | 22.56 | 8.14 | 23.68 | 86.5 | 6.36 | 5.4 | 4.5 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS10 | 08:18:05 | 5.6 | Middle | 2 | 2 | 22.55 | 8.15 | 23.75 | 86.7 | 6.55 | 5.2 | 4.3 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS10 | 08:18:28 | 10.1 | Bottom | 3 | 1 | 22.52 | 8.17 | 28.34 | 86.4 | 6.53 | 5.4 | 5.2 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | IS10 | 08:17:54 | 10.1 | Bottom | 3 | 2 | 22.5 | 8.19 | 28.83 | 86.7 | 6.35 | 5.2 | 5.4 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | SR3 | 09:10:43 | 0.8 | Middle | 2 | 1 | 21.93 | 8.25 | 27.94 | 91.7 | 6.82 | 5 | 7 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | SR3 | 09:11:01 | 0.8 | Middle | 2 | 2 | 21.96 | 8.25 | 27.94 | 91.5 | 6.81 | 5.1 | 6.1 | |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | SR4 | 08:28:34 | 1.0 | Surface | 1 | 1 | 22.25 | 8.23 | 27.74 | 86.9 | 6.44 | 8.5 | 5.6 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | SR4 | 08:28:17 | 1.0 | Surface | 1 | 2 | 22.17 | 8.23 | 27.51 | 87.8 | 6.52 | 8 | 6.2 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | SR4 | 08:28:08 | 2.5 | Bottom | 3 | 1 | 22.21 | 8.22 | 27.91 | 88.1 | 6.52 | 8.3 | 5.8 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | SR4 | 08:28:27 | 2.5 | Bottom | 3 | 2 | 22.26 | 8.22 | 27.96 | 87.4 | 6.47 | 8.5 | 6.2 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | SR5 | 08:23:39 | 1.0 | Surface | 1 | 1 | 22.57 | 8.1 | 23.42 | 86 | 6.5 | 4.9 | 5.6 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | SR5 | 08:23:11 | 1.0 | Surface | 1 | 2 | 22.56 | 8.1 | 23.58 | 86.2 | 6.51 | 5 | 5.1 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | SR5 | 08:23:22 | 4.1 | Bottom | 3 | 1 | 22.56 | 8.1 | 23.68 | 86 | 6.48 | 5 | 4.7 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | SR5 | 08:23:04 | 4.1 | Bottom | 3 | 2 | 22.56 | 8.1 | 23.7 | 86.1 | 6.5 | 5 | 4.5 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | SR10A | 07:12:59 | 1.0 | Surface | 1 | 1 | 22.25 | 8.31 | 31.45 | 88.3 | 6.41 | 3.1 | 4.5 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | SR10A | 07:12:19 | 1.0 | Surface | 1 | 2 | 22.24 | 8.31 | 31.42 | 88.4 | 6.41 | 3.2 | 4.7 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | SR10A | 07:12:09 | 3.3 | Middle | 2 | 1 | 22.25 | 8.31 | 31.6 | 88.4 | 6.4 | 3.4 | 5.6 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | SR10A | 07:12:43 | 3.3 | Middle | 2 | 2 | 22.24 | 8.31 | 31.62 | 88.2 | 6.39 | 3.3 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | SR10A | 07:12:34 | 5.6 | Bottom | 3 | 1 | 22.24 | 8.31 | 31.69 | 88.1 | 6.38 | 3.3 | 5.6 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | SR10A | 07:11:57 | 5.6 | Bottom | 3 | 2 | 22.24 | 8.31 | 31.85 | 88.3 | 6.39 | 3.5 | 5 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | SR10B | 07:03:47 | 1.0 | Surface | 1 | 1 | 22.18 | 8.29 | 31.91 | 88.5 | 6.41 | 3.8 | 5.4 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | SR10B | 07:04:25 | 1.0 | Surface | 1 | 2 | 22.17 | 8.29 | 31.72 | 87.9 | 6.37 | 3.9 | 5.3 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | SR10B | 07:04:10 | 4.3 | Bottom | 3 | 1 | 22.18 | 8.29 | 31.95 | 88 | 6.37 | 4 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | SR10B | 07:03:38 | 4.3 | Bottom | 3 | 2 | 22.18 | 8.29 | 32.08 | 88.6 | 6.41 | 4.1 | 5 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | CS2 | 09:45:21 | 1.0 | Surface | 1 | 1 | 22.73 | 8.15 | 25.35 | 88 | 6.54 | 5.6 | 5.1 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | CS2 | 09:44:47 | 1.0 | Surface | 1 | 2 | 22.73 | 8.15 | 25.56 | 88.8 | 6.61 | 5.8 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | CS2 | 09:44:26 | 4.0 | Middle | 2 | 1 | 22.48 | 8.2 | 26.26 | 88 | 6.51 | 6 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | CS2 | 09:45:08 | 4.0 | Middle | 2 | 2 | 22.5 | 8.19 | 26.41 | 87.9 | 6.55 | 5.9 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | CS2 | 09:44:59 | 7.0 | Bottom | 3 | 1 | 22.52 | 8.19 | 27.74 | 87.1 | 6.42 | 6 | 3 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | CS2 | 09:44:17 | 7.0 | Bottom | 3 | 2 | 22.41 | 8.22 | 28.51 | 87.5 | 6.47 | 6.1 | 3.7 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | CS(Mf)5 | 07:47:29 | 1.0 | Surface | 1 | 1 | 22.31 | 8.28 | 28.77 | 87.1 | 6.41 | 3.9 | 4 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | CS(Mf)5 | 07:48:20 | 1.0 | Surface | 1 | 2 | 22.28 | 8.28 | 28.36 | 87.1 | 6.42 | 3.8 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | CS(Mf)5 | 07:48:07 | 6.8 | Middle | 2 | 1 | 22.33 | 8.29 | 31.22 | 86.4 | 6.27 | 4.4 | 2.7 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | CS(Mf)5 | 07:47:16 | 6.8 | Middle | 2 | 2 | 22.34 | 8.29 | 31.14 | 86.5 | 6.27 | 4.3 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | CS(Mf)5 | 07:47:50 | 12.6 | Bottom | 3 | 1 | 22.3 | 8.29 | 31.56 | 86.6 | 6.27 | 5.9 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Ebb | Fine | CS(Mf)5 | 07:46:59 | 12.6 | Bottom | 3 | 2 | 22.29 | 8.29 | 31.59 | 86.5 | 6.26 | 5.8 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS5 | 11:47:05 | 1.0 | Surface | 1 | 1 | 22.13 | 8.25 | 27.96 | 91.4 | 6.78 | 15 | 22.4 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS5 | 11:48:21 | 1.0 | Surface | 1 | 2 | 22.12 | 8.26 | 27.87 | 91 | 6.75 | 15.5 | 22.8 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS5 | 11:46:43 | 4.5 | Middle | 2 | 1 | 22.19 | 8.28 | 28.59 | 90.4 | 6.67 | 9.2 | 21.2 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS5 | 11:48:03 | 4.5 | Middle | 2 | 2 | 22.2 | 8.28 | 28.73 | 90.2 | 6.65 | 9.5 | 22.8 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS5 | 11:47:44 | 8.0 | Bottom | 3 | 1 | 22.34 | 8.31 | 30.51 | 90.6 | 6.6 | 11.7 | 22.2 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS5 | 11:46:29 | 8.0 | Bottom | 3 | 2 | 22.34 | 8.3 | 30.63 | 90.8 | 6.6 | 11 | 22.5 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS(Mf)6 | 11:55:31 | 1.0 | Surface | 1 | 1 | 22.26 | 8.24 | 27.41 | 91.4 | 6.79 | 10.8 | 12 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS(Mf)6 | 11:56:01 | 1.0 | Surface | 1 | 2 | 22.27 | 8.24 | 27.4 | 91.6 | 6.8 | 9.7 | 11.4 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS(Mf)6 | 11:55:46 | 2.4 | Bottom | 3 | 1 | 22.26 | 8.24 | 27.47 | 91.3 | 6.77 | 11 | 9.4 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS(Mf)6 | 11:55:18 | 2.4 | Bottom | 3 | 2 | 22.26 | 8.24 | 27.48 | 91.3 | 6.77 | 11.9 | 10.2 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS7 | 12:03:54 | 1.0 | Surface | 1 | 1 | 22.29 | 8.24 | 27.17 | 92.7 | 6.88 | 7.9 | 7.8 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS7 | 12:03:13 | 1.0 | Surface | 1 | 2 | 22.3 | 8.24 | 27.16 | 92.7 | 6.89 | 8.1 | 7.6 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS7 | 12:03:46 | 2.4 | Bottom | 3 | 1 | 22.28 | 8.24 | 27.19 | 92.7 | 6.89 | 7.3 | 8.3 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS7 | 12:03:00 | 2.4 | Bottom | 3 | 2 | 22.29 | 8.24 | 27.2 | 92.7 | 6.88 | 8.2 | 7 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS8 | 12:27:15 | 1.0 | Surface | 1 | 1 | 22.58 | 8.22 | 25.02 | 91.6 | 6.85 | 4.5 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS8 | 12:27:39 | 1.0 | Surface | 1 | 2 | 22.57 | 8.22 | 25.22 | 91.4 | 6.83 | 4.8 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS8 | 12:27:03 | 2.8 | Bottom | 3 | 1 | 22.52 | 8.22 | 25.67 | 91.4 | 6.82 | 5.2 | 4.7 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS8 | 12:27:29 | 2.8 | Bottom | 3 | 2 | 22.54 | 8.22 | 25.49 | 91.3 | 6.82 | 4.9 | 4.2 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS(Mf)9 | 12:11:15 | 1.0 | Surface | 1 | 1 | 22.35 | 8.24 | 26.44 | 92 | 6.86 | 12.3 | 7.5 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS(Mf)9 | 12:10:54 | 1.0 | Surface | 1 | 2 | 22.4 | 8.23 | 26.61 | 91.9 | 6.84 | 12.4 | 7.8 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS(Mf)9 | 12:11:07 | 2.4 | Bottom | 3 | 1 | 22.22 | 8.24 | 27.72 | 91.6 | 6.79 | 13.1 | 8.8 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS(Mf)9 | 12:10:43 | 2.4 | Bottom | 3 | 2 | 22.26 | 8.23 | 27.45 | 91.7 | 6.81 | 13.6 | 7.8 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS10 | 12:48:17 | 1.0 | Surface | 1 | 1 | 22.64 | 8.16 | 24.92 | 89.1 | 6.67 | 6.2 | 4.8 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS10 | 12:47:44 | 1.0 | Surface | 1 | 2 | 22.58 | 8.16 | 24.74 | 89.1 | 6.68 | 6.1 | 5.4 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS10 | 12:47:33 | 5.6 | Middle | 2 | 1 | 22.4 | 8.19 | 25.87 | 88.4 | 6.6 | 6.3 | 4.2 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS10 | 12:48:00 | 5.6 | Middle | 2 | 2 | 22.45 | 8.18 | 25.82 | 88.6 | 6.62 | 6.6 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS10 | 12:47:27 | 10.2 | Bottom | 3 | 1 | 22.39 | 8.18 | 28.94 | 88.7 | 6.51 | 6.5 | 3.8 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | IS10 | 12:47:52 | 10.2 | Bottom | 3 | 2 | 22.51 | 8.16 | 28.78 | 88.7 | 6.5 | 6.6 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | SR3 | 11:39:52 | 0.9 | Middle | 2 | 1 | 22.1 | 8.25 | 28.19 | 92.9 | 6.89 | 6.1 | 6.9 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | SR3 | 11:40:02 | 0.9 | Middle | 2 | 2 | 22.11 | 8.25 | 28.24 | 92.8 | 6.88 | 6.1 | 7.2 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | SR4 | 12:21:40 | 1.0 | Surface | 1 | 1 | 22.5 | 8.22 | 24.64 | 93.2 | 7 | 6.1 | 4 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | SR4 | 12:21:18 | 1.0 | Surface | 1 | 2 | 22.5 | 8.22 | 24.61 | 93.2 | 7 | 5.6 | 4.6 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | SR4 | 12:21:06 | 2.3 | Bottom | 3 | 1 | 22.48 | 8.22 | 24.94 | 92.9 | 6.97 | 6.4 | 4.3 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | SR4 | 12:21:30 | 2.3 | Bottom | 3 | 2 | 22.48 | 8.21 | 24.94 | 93.1 | 6.99 | 6.9 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | SR5 | 12:38:36 | 1.0 | Surface | 1 | 1 | 22.51 | 8.16 | 25.36 | 90.2 | 6.63 | 5.9 | 4.7 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | SR5 | 12:39:18 | 1.0 | Surface | 1 | 2 | 22.6 | 8.15 | 24.9 | 89.2 | 6.68 | 5.8 | 3.6 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | SR5 | 12:38:26 | 4.1 | Bottom | 3 | 1 | 22.4 | 8.16 | 28.63 | 89.9 | 6.72 | 6 | 4.5 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | SR5 | 12:38:48 | 4.1 | Bottom | 3 | 2 | 22.43 | 8.17 | 28.68 | 89.2 | 6.55 | 6.1 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | SR10A | 13:35:25 | 1.0 | Surface | 1 | 1 | 22.27 | 8.29 | 31.51 | 88.7 | 6.43 | 2.9 | 2.9 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | SR10A | 13:36:07 | 1.0 | Surface | 1 | 2 | 22.29 | 8.29 | 31.32 | 88.5 | 6.42 | 2.8 | 2.9 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | SR10A | 13:35:13 | 3.5 | Middle | 2 | 1 | 22.24 | 8.29 | 31.8 | 88.5 | 6.41 | 3.2 | 2.8 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | SR10A | 13:35:55 | 3.5 | Middle | 2 | 2 | 22.24 | 8.3 | 31.8 | 88.4 | 6.4 | 3 | 2.2 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | SR10A | 13:34:50 | 5.9 | Bottom | 3 | 1 | 22.22 | 8.29 | 31.94 | 88.5 | 6.4 | 3.1 | 5.8 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | SR10A | 13:35:41 | 5.9 | Bottom | 3 | 2 | 22.24 | 8.29 | 31.82 | 88.3 | 6.39 | 3 | 4.8 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | SR10B | 13:43:19 | 1.0 | Surface | 1 | 1 | 22.27 | 8.3 | 31.49 | 88.4 | 6.4 | 2.8 | 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | SR10B | 13:42:56 | 1.0 | Surface | 1 | 2 | 22.25 | 8.3 | 31.71 | 88.4 | 6.4 | 2.7 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | SR10B | 13:43:06 | 4.5 | Bottom | 3 | 1 | 22.24 | 8.3 | 31.79 | 88.2 | 6.39 | 3.1 | 3.6 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | SR10B | 13:42:41 | 4.5 | Bottom | 3 | 2 | 22.24 | 8.3 | 31.79 | 88.2 | 6.38 | 2.9 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | CS2 | 11:29:02 | 1.0 | Surface | 1 | 1 | 22.73 | 8.16 | 24.36 | 93.6 | 6.87 | 5.5 | 3.7 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | CS2 | 11:29:56 | 1.0 | Surface | 1 | 2 | 22.77 | 8.16 | 24.88 | 89.3 | 6.66 | 5.4 | 4.3 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | CS2 | 11:29:33 | 4.0 | Middle | 2 | 1 | 22.5 | 8.23 | 27.14 | 89.4 | 6.62 | 5.8 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | CS2 | 11:28:40 | 4.0 | Middle | 2 | 2 | 22.57 | 8.23 | 27.03 | 91.3 | 6.76 | 5.9 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | CS2 | 11:29:26 | 7.0 | Bottom | 3 | 1 | 22.42 | 8.23 | 28.74 | 89.1 | 6.55 | 6.4 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | CS2 | 11:28:24 | 7.0 | Bottom | 3 | 2 | 22.44 | 8.25 | 28.63 | 89.9 | 6.74 | 6.2 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | CS(Mf)5 | 13:04:21 | 1.0 | Surface | 1 | 1 | 22.41 | 8.27 | 27.33 | 91.4 | 6.76 | 4.1 | 4.8 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | CS(Mf)5 | 13:03:24 | 1.0 | Surface | 1 | 2 | 22.45 | 8.27 | 27.01 | 91.6 | 6.79 | 4.1 | 3.8 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | CS(Mf)5 | 13:03:54 | 7.1 | Middle | 2 | 1 | 22.25 | 8.29 | 30.95 | 88.3 | 6.42 | 3.4 | 4.2 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | CS(Mf)5 | 13:02:59 | 7.1 | Middle | 2 | 2 | 22.25 | 8.3 | 31.16 | 87.8 | 6.37 | 3.2 | 5.3 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | CS(Mf)5 | 13:03:38 | 13.2 | Bottom | 3 | 1 | 22.28 | 8.28 | 31.55 | 89.9 | 6.51 | 3.9 | 5.1 | |
| HKLR | HY/2011/03 | 2013-05-03 | Mid-Flood | Sunny | CS(Mf)5 | 13:02:48 | 13.2 | Bottom | 3 | 2 | 22.28 | 8.29 | 31.63 | 88.3 | 6.39 | 3.8 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS5 | 12:24:05 | 1.0 | Surface | 1 | 1 | 22.93 | 8.3 | 28.52 | 95.5 | 6.96 | 5.8 | 8 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS5 | 12:23:02 | 1.0 | Surface | 1 | 2 | 22.92 | 8.3 | 28.49 | 94.8 | 6.91 | 5.9 | 8.7 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS5 | 12:23:46 | 4.7 | Middle | 2 | 1 | 22.71 | 8.3 | 28.94 | 92.8 | 6.77 | 6.5 | 8.4 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS5 | 12:22:37 | 4.7 | Middle | 2 | 2 | 22.66 | 8.3 | 28.95 | 92.4 | 6.74 | 6.8 | 7.1 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS5 | 12:22:16 | 8.4 | Bottom | 3 | 1 | 22.55 | 8.3 | 29.36 | 93.7 | 6.84 | 7.4 | 8.2 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS5 | 12:23:24 | 8.4 | Bottom | 3 | 2 | 22.57 | 8.3 | 29.35 | 92.2 | 6.73 | 7.1 | 8.7 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS(Mf)6 | 12:13:14 | 1.0 | Surface | 1 | 1 | 22.86 | 8.27 | 28.13 | 95 | 6.94 | 10 | 6.6 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS(Mf)6 | 12:13:54 | 1.0 | Surface | 1 | 2 | 22.88 | 8.27 | 28.12 | 94.5 | 6.91 | 9.8 | 5.8 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS(Mf)6 | 12:13:37 | 2.2 | Bottom | 3 | 1 | 22.84 | 8.27 | 28.25 | 93.6 | 6.85 | 11.7 | 9.7 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS(Mf)6 | 12:12:55 | 2.2 | Bottom | 3 | 2 | 22.82 | 8.26 | 28.24 | 93.8 | 6.86 | 11.9 | 9.9 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS7 | 12:06:43 | 1.0 | Surface | 1 | 1 | 22.82 | 8.27 | 28.04 | 94.8 | 6.94 | 4.5 | 6 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS7 | 12:07:21 | 1.0 | Surface | 1 | 2 | 22.83 | 8.27 | 28.03 | 94.9 | 6.95 | 4.5 | 7.5 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS7 | 12:06:25 | 2.3 | Bottom | 3 | 1 | 22.78 | 8.27 | 28.09 | 94.6 | 6.93 | 4.4 | 7.2 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS7 | 12:07:01 | 2.3 | Bottom | 3 | 2 | 22.76 | 8.27 | 28.11 | 94.7 | 6.93 | 3.9 | 7.2 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS8 | 11:40:25 | 1.0 | Surface | 1 | 1 | 22.77 | 8.26 | 28.59 | 91.4 | 6.68 | 4.2 | 6.1 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS8 | 11:39:35 | 1.0 | Surface | 1 | 2 | 22.76 | 8.26 | 28.6 | 90.9 | 6.65 | 4.3 | 7.6 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS8 | 11:40:01 | 2.6 | Bottom | 3 | 1 | 22.63 | 8.26 | 28.62 | 90.3 | 6.61 | 4.4 | 7.4 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS8 | 11:39:15 | 2.6 | Bottom | 3 | 2 | 22.63 | 8.26 | 28.64 | 90.6 | 6.64 | 4.6 | 6.7 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS(Mf)9 | 11:59:07 | 1.0 | Surface | 1 | 1 | 22.74 | 8.25 | 28.42 | 90.7 | 6.64 | 10.6 | 7.6 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS(Mf)9 | 11:58:31 | 1.0 | Surface | 1 | 2 | 22.74 | 8.25 | 28.44 | 90.5 | 6.62 | 10.9 | 8 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS(Mf)9 | 11:58:50 | 2.4 | Bottom | 3 | 1 | 22.64 | 8.25 | 28.54 | 90.5 | 6.62 | 12.3 | 7 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS(Mf)9 | 11:58:10 | 2.4 | Bottom | 3 | 2 | 22.65 | 8.25 | 28.55 | 90.6 | 6.62 | 12.1 | 7.7 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS10 | 10:57:55 | 1.0 | Surface | 1 | 1 | 22.85 | 8.25 | 28.29 | 95.6 | 6.98 | 5.6 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS10 | 10:58:52 | 1.0 | Surface | 1 | 2 | 22.86 | 8.26 | 28.28 | 96 | 7.02 | 5.1 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS10 | 10:58:34 | 5.6 | Middle | 2 | 1 | 22.76 | 8.24 | 28.8 | 92.9 | 6.78 | 6.2 | 2.3 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS10 | 10:57:39 | 5.6 | Middle | 2 | 2 | 22.75 | 8.24 | 28.8 | 92.3 | 6.73 | 5.8 | 3 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS10 | 10:58:16 | 10.2 | Bottom | 3 | 1 | 22.64 | 8.24 | 29.61 | 93 | 6.77 | 9 | 3.8 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | IS10 | 10:57:19 | 10.2 | Bottom | 3 | 2 | 22.59 | 8.24 | 29.74 | 91 | 6.62 | 8.6 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | SR3 | 12:32:36 | 0.7 | Middle | 2 | 1 | 22.98 | 8.3 | 28.38 | 96.7 | 7.04 | 6.6 | 5.7 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | SR3 | 12:32:17 | 0.7 | Middle | 2 | 2 | 22.99 | 8.3 | 28.39 | 96.8 | 7.05 | 6.7 | 5.9 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | SR4 | 11:48:17 | 1.0 | Surface | 1 | 1 | 22.84 | 8.26 | 28.04 | 90.3 | 6.61 | 4.6 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | SR4 | 11:48:55 | 1.0 | Surface | 1 | 2 | 22.85 | 8.26 | 28.26 | 90.5 | 6.62 | 4.6 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | SR4 | 11:48:37 | 2.3 | Bottom | 3 | 1 | 22.66 | 8.25 | 28.77 | 89.6 | 6.55 | 5.4 | 5.8 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | SR4 | 11:47:58 | 2.3 | Bottom | 3 | 2 | 22.68 | 8.26 | 28.75 | 89.9 | 6.57 | 5.3 | 5.4 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | SR5 | 11:08:28 | 1.0 | Surface | 1 | 1 | 22.85 | 8.25 | 28.33 | 96.4 | 7.04 | 4.2 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | SR5 | 11:07:59 | 1.0 | Surface | 1 | 2 | 22.85 | 8.25 | 28.32 | 96.3 | 7.04 | 4.3 | 3.6 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | SR5 | 11:08:16 | 4.3 | Bottom | 3 | 1 | 22.75 | 8.24 | 28.68 | 95.9 | 7 | 4.8 | 2.8 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | SR5 | 11:07:47 | 4.3 | Bottom | 3 | 2 | 22.74 | 8.24 | 28.66 | 95.8 | 7 | 4.9 | 3 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | SR10A | 10:01:37 | 1.0 | Surface | 1 | 1 | 22.27 | 8.3 | 31.64 | 88.6 | 6.41 | 2.8 | 3.8 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | SR10A | 10:02:40 | 1.0 | Surface | 1 | 2 | 22.25 | 8.3 | 31.67 | 88.3 | 6.39 | 2.9 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | SR10A | 10:01:19 | 3.2 | Middle | 2 | 1 | 22.19 | 8.3 | 31.85 | 88 | 6.38 | 3.1 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | SR10A | 10:02:23 | 3.2 | Middle | 2 | 2 | 22.19 | 8.3 | 31.82 | 88 | 6.37 | 3.1 | 3.6 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | SR10A | 10:02:04 | 5.4 | Bottom | 3 | 1 | 22.15 | 8.3 | 31.93 | 88.1 | 6.38 | 3.7 | 3.6 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | SR10A | 10:01:01 | 5.4 | Bottom | 3 | 2 | 22.17 | 8.3 | 31.95 | 88 | 6.37 | 3.6 | 3.7 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | SR10B | 09:49:04 | 1.0 | Surface | 1 | 1 | 22.18 | 8.31 | 32.09 | 87.8 | 6.35 | 4.3 | 6.8 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | SR10B | 09:48:22 | 1.0 | Surface | 1 | 2 | 22.19 | 8.3 | 32.07 | 88.1 | 6.37 | 4.3 | 6.9 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | SR10B | 09:48:45 | 4.3 | Bottom | 3 | 1 | 22.14 | 8.3 | 32.19 | 87.8 | 6.35 | 4.6 | 6.9 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | SR10B | 09:48:02 | 4.3 | Bottom | 3 | 2 | 22.15 | 8.3 | 32.2 | 88 | 6.37 | 4.6 | 6.9 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | CS2 | 12:16:51 | 1.0 | Surface | 1 | 1 | 23.12 | 8.2 | 27.18 | 93.8 | 6.86 | 4.4 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | CS2 | 12:16:00 | 1.0 | Surface | 1 | 2 | 23.12 | 8.2 | 27.19 | 93.5 | 6.85 | 5 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | CS2 | 12:15:42 | 3.4 | Middle | 2 | 1 | 22.8 | 8.24 | 28.23 | 91.9 | 6.73 | 6.1 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | CS2 | 12:16:34 | 3.4 | Middle | 2 | 2 | 22.9 | 8.23 | 27.88 | 92.7 | 6.78 | 6.1 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | CS2 | 12:15:27 | 5.8 | Bottom | 3 | 1 | 22.53 | 8.24 | 30.23 | 91.6 | 6.66 | 7.9 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | CS2 | 12:16:19 | 5.8 | Bottom | 3 | 2 | 22.59 | 8.25 | 29.8 | 91.8 | 6.68 | 8.4 | 3.8 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | CS(Mf)5 | 10:45:28 | 1.0 | Surface | 1 | 1 | 22.45 | 8.3 | 30.07 | 88.4 | 6.44 | 3.1 | 2.8 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | CS(Mf)5 | 10:44:24 | 1.0 | Surface | 1 | 2 | 22.47 | 8.29 | 30.07 | 89.4 | 6.51 | 3.3 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | CS(Mf)5 | 10:45:06 | 6.6 | Middle | 2 | 1 | 22.25 | 8.3 | 31.3 | 86.8 | 6.3 | 4.3 | 3.7 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | CS(Mf)5 | 10:44:05 | 6.6 | Middle | 2 | 2 | 22.26 | 8.3 | 31.27 | 86.8 | 6.3 | 3.9 | 3.6 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | CS(Mf)5 | 10:44:43 | 12.2 | Bottom | 3 | 1 | 22.22 | 8.3 | 31.64 | 87.2 | 6.32 | 5.6 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Ebb | Cloudy | CS(Mf)5 | 10:43:47 | 12.2 | Bottom | 3 | 2 | 22.21 | 8.3 | 31.64 | 87.3 | 6.33 | 5.5 | 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS5 | 15:51:25 | 1.0 | Surface | 1 | 1 | 22.97 | 8.28 | 28.28 | 96 | 7 | 9.1 | 9.8 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS5 | 15:50:20 | 1.0 | Surface | 1 | 2 | 22.97 | 8.28 | 28.28 | 96.2 | 7.02 | 8.7 | 10.4 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS5 | 15:51:03 | 4.8 | Middle | 2 | 1 | 22.95 | 8.28 | 28.52 | 95.2 | 6.93 | 10 | 10.3 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS5 | 15:49:58 | 4.8 | Middle | 2 | 2 | 22.95 | 8.28 | 28.5 | 95.6 | 6.96 | 9.6 | 11 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS5 | 15:49:35 | 8.6 | Bottom | 3 | 1 | 22.82 | 8.28 | 28.6 | 94 | 6.85 | 11.5 | 12.5 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS5 | 15:50:45 | 8.6 | Bottom | 3 | 2 | 22.83 | 8.28 | 28.65 | 94 | 6.85 | 11.4 | 12.3 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS(Mf)6 | 15:58:56 | 1.0 | Surface | 1 | 1 | 22.96 | 8.27 | 28.47 | 94.1 | 6.86 | 12.5 | 7 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS(Mf)6 | 15:58:20 | 1.0 | Surface | 1 | 2 | 22.96 | 8.26 | 28.48 | 94.3 | 6.87 | 12.5 | 7.3 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS(Mf)6 | 15:58:38 | 2.3 | Bottom | 3 | 1 | 22.94 | 8.26 | 28.48 | 93.9 | 6.84 | 13.3 | 11.4 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS(Mf)6 | 15:58:03 | 2.3 | Bottom | 3 | 2 | 22.95 | 8.26 | 28.49 | 93.9 | 6.84 | 13 | 10.5 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS7 | 16:05:57 | 1.0 | Surface | 1 | 1 | 23.01 | 8.28 | 28.61 | 96.2 | 7 | 6.5 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS7 | 16:05:16 | 1.0 | Surface | 1 | 2 | 23 | 8.28 | 28.61 | 96.2 | 6.99 | 6.8 | 5.3 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS7 | 16:05:40 | 2.3 | Bottom | 3 | 1 | 22.92 | 8.27 | 28.69 | 95.2 | 6.93 | 7.1 | 6.7 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS7 | 16:04:58 | 2.3 | Bottom | 3 | 2 | 22.88 | 8.27 | 28.73 | 95.5 | 6.96 | 7.4 | 6.3 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS8 | 16:34:04 | 1.0 | Surface | 1 | 1 | 22.8 | 8.26 | 28.83 | 91.5 | 6.67 | 6.8 | 5.2 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS8 | 16:34:46 | 1.0 | Surface | 1 | 2 | 22.74 | 8.25 | 28.83 | 91.2 | 6.65 | 7.1 | 6.8 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS8 | 16:33:42 | 2.6 | Bottom | 3 | 1 | 22.71 | 8.25 | 28.91 | 90.9 | 6.64 | 7.9 | 5.5 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS8 | 16:34:28 | 2.6 | Bottom | 3 | 2 | 22.61 | 8.25 | 28.98 | 90.5 | 6.61 | 8.2 | 6.8 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS(Mf)9 | 16:15:02 | 1.0 | Surface | 1 | 1 | 22.95 | 8.27 | 28.66 | 93.2 | 6.78 | 7 | 4.3 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS(Mf)9 | 16:14:22 | 1.0 | Surface | 1 | 2 | 22.98 | 8.27 | 28.66 | 93.2 | 6.79 | 7.2 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS(Mf)9 | 16:13:54 | 2.4 | Bottom | 3 | 1 | 22.73 | 8.26 | 29.13 | 92.4 | 6.73 | 8.3 | 4.2 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS(Mf)9 | 16:14:43 | 2.4 | Bottom | 3 | 2 | 22.75 | 8.26 | 29.16 | 91.9 | 6.69 | 7.9 | 4.8 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS10 | 16:33:37 | 1.0 | Surface | 1 | 1 | 23.22 | 8.19 | 26.26 | 90.8 | 6.67 | 7 | 2.7 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS10 | 16:32:45 | 1.0 | Surface | 1 | 2 | 23.3 | 8.18 | 26.05 | 91 | 6.68 | 6.8 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS10 | 16:33:23 | 5.7 | Middle | 2 | 1 | 22.9 | 8.22 | 28.49 | 90.1 | 6.57 | 7.5 | 2.8 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS10 | 16:32:22 | 5.7 | Middle | 2 | 2 | 22.9 | 8.22 | 28.43 | 90.3 | 6.59 | 7.1 | 2.2 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS10 | 16:33:06 | 10.4 | Bottom | 3 | 1 | 22.59 | 8.24 | 30.11 | 89.1 | 6.47 | 10.2 | 3.8 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | IS10 | 16:32:07 | 10.4 | Bottom | 3 | 2 | 22.57 | 8.24 | 30.28 | 89.3 | 6.48 | 9.8 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | SR3 | 15:36:58 | 0.7 | Middle | 2 | 1 | 22.99 | 8.26 | 28.31 | 96.3 | 7.02 | 10.1 | 10.1 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | SR3 | 15:37:15 | 0.7 | Middle | 2 | 2 | 22.99 | 8.27 | 28.31 | 96.3 | 7.02 | 10 | 11.5 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | SR4 | 16:26:20 | 1.0 | Surface | 1 | 1 | 22.93 | 8.25 | 28.57 | 91.2 | 6.64 | 4.8 | 5.2 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | SR4 | 16:27:00 | 1.0 | Surface | 1 | 2 | 22.91 | 8.25 | 28.58 | 91.6 | 6.67 | 4.7 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | SR4 | 16:26:00 | 2.4 | Bottom | 3 | 1 | 22.67 | 8.24 | 28.85 | 90.1 | 6.58 | 5.6 | 4.7 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | SR4 | 16:26:40 | 2.4 | Bottom | 3 | 2 | 22.73 | 8.25 | 28.87 | 91.1 | 6.65 | 5.1 | 4.6 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | SR5 | 16:20:52 | 1.0 | Surface | 1 | 1 | 23.25 | 8.18 | 26.41 | 90.8 | 6.66 | 5.2 | 3 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | SR5 | 16:20:22 | 1.0 | Surface | 1 | 2 | 23.22 | 8.18 | 26.45 | 90.8 | 6.66 | 5.1 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | SR5 | 16:20:35 | 4.4 | Bottom | 3 | 1 | 23.07 | 8.19 | 27.95 | 90.4 | 6.59 | 6.5 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | SR5 | 16:20:09 | 4.4 | Bottom | 3 | 2 | 23.06 | 8.19 | 27.81 | 90.3 | 6.59 | 6.1 | 3.6 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | SR10A | 17:46:39 | 1.0 | Surface | 1 | 1 | 22.55 | 8.29 | 30.79 | 90.2 | 6.53 | 3.2 | 4 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | SR10A | 17:47:45 | 1.0 | Surface | 1 | 2 | 22.51 | 8.29 | 30.85 | 90.3 | 6.54 | 3.4 | 3.7 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | SR10A | 17:46:18 | 3.3 | Middle | 2 | 1 | 22.44 | 8.29 | 31.19 | 89.8 | 6.5 | 3.5 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | SR10A | 17:47:26 | 3.3 | Middle | 2 | 2 | 22.46 | 8.3 | 31.14 | 89.9 | 6.51 | 3.6 | 5.2 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | SR10A | 17:45:57 | 5.6 | Bottom | 3 | 1 | 22.43 | 8.29 | 31.29 | 89.8 | 6.5 | 3.6 | 4.3 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | SR10A | 17:47:04 | 5.6 | Bottom | 3 | 2 | 22.44 | 8.29 | 31.29 | 89.7 | 6.49 | 3.8 | 4.5 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | SR10B | 17:57:17 | 1.0 | Surface | 1 | 1 | 22.22 | 8.3 | 32.15 | 87.8 | 6.35 | 6.6 | 4.5 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | SR10B | 17:57:59 | 1.0 | Surface | 1 | 2 | 22.21 | 8.3 | 32.15 | 87.7 | 6.34 | 6.8 | 4.2 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | SR10B | 17:57:38 | 4.5 | Bottom | 3 | 1 | 22.21 | 8.3 | 32.16 | 87.5 | 6.33 | 7.5 | 8.4 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | SR10B | 17:56:52 | 4.5 | Bottom | 3 | 2 | 22.21 | 8.3 | 32.16 | 87.7 | 6.34 | 7.3 | 9.3 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | CS2 | 15:10:43 | 1.0 | Surface | 1 | 1 | 23.38 | 8.16 | 25.27 | 89.2 | 6.57 | 5 | 2.3 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | CS2 | 15:11:17 | 1.0 | Surface | 1 | 2 | 23.34 | 8.16 | 25.27 | 88.5 | 6.52 | 4.8 | 2.9 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | CS2 | 15:11:04 | 3.3 | Middle | 2 | 1 | 22.91 | 8.19 | 27.5 | 87.8 | 6.43 | 6 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | CS2 | 15:10:19 | 3.3 | Middle | 2 | 2 | 22.93 | 8.19 | 27.32 | 87.9 | 6.45 | 5.3 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | CS2 | 15:10:51 | 5.5 | Bottom | 3 | 1 | 23.13 | 8.18 | 28.44 | 88.4 | 6.43 | 8.7 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | CS2 | 15:09:59 | 5.5 | Bottom | 3 | 2 | 22.92 | 8.21 | 28.52 | 89.7 | 6.54 | 9.2 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | CS(Mf)5 | 17:11:33 | 1.0 | Surface | 1 | 1 | 22.75 | 8.28 | 29.26 | 92.5 | 6.72 | 5.2 | 4.6 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | CS(Mf)5 | 17:12:42 | 1.0 | Surface | 1 | 2 | 22.82 | 8.29 | 29.25 | 92.7 | 6.74 | 5.4 | 4.6 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | CS(Mf)5 | 17:12:19 | 6.8 | Middle | 2 | 1 | 22.49 | 8.28 | 30.18 | 88.8 | 6.46 | 6.6 | 4.6 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | CS(Mf)5 | 17:11:12 | 6.8 | Middle | 2 | 2 | 22.49 | 8.28 | 30.19 | 88.7 | 6.45 | 6.4 | 5.1 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | CS(Mf)5 | 17:11:57 | 12.6 | Bottom | 3 | 1 | 22.43 | 8.28 | 31.04 | 89.8 | 6.51 | 7.8 | 6 | |
| HKLR | HY/2011/03 | 2013-05-06 | Mid-Flood | Cloudy | CS(Mf)5 | 17:10:50 | 12.6 | Bottom | 3 | 2 | 22.39 | 8.28 | 31.03 | 89.8 | 6.51 | 7.6 | 6.8 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS5 | 12:46:51 | 1.0 | Surface | 1 | 1 | 23.32 | 8.3 | 29.43 | 93.2 | 6.71 | 7.3 | 9.4 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS5 | 12:45:44 | 1.0 | Surface | 1 | 2 | 23.25 | 8.3 | 29.37 | 93.3 | 6.73 | 7.1 | 10.3 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS5 | 12:46:23 | 4.7 | Middle | 2 | 1 | 23.04 | 8.31 | 29.67 | 91.8 | 6.63 | 7.7 | 11 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS5 | 12:45:27 | 4.7 | Middle | 2 | 2 | 23.06 | 8.31 | 29.65 | 91.9 | 6.64 | 8.1 | 10.4 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS5 | 12:46:04 | 8.4 | Bottom | 3 | 1 | 23 | 8.31 | 29.79 | 92.1 | 6.65 | 9 | 10.8 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS5 | 12:45:07 | 8.4 | Bottom | 3 | 2 | 23.01 | 8.31 | 29.78 | 92 | 6.65 | 8.8 | 11.8 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS(Mf)6 | 12:36:58 | 1.0 | Surface | 1 | 1 | 23.56 | 8.28 | 28.85 | 95.5 | 6.86 | 9.6 | 12 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS(Mf)6 | 12:36:18 | 1.0 | Surface | 1 | 2 | 23.56 | 8.28 | 28.85 | 95.5 | 6.87 | 9.9 | 12 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS(Mf)6 | 12:36:40 | 2.2 | Bottom | 3 | 1 | 23.56 | 8.28 | 28.86 | 95.4 | 6.86 | 10.7 | 18.5 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS(Mf)6 | 12:35:56 | 2.2 | Bottom | 3 | 2 | 23.55 | 8.28 | 28.86 | 95.5 | 6.87 | 10.5 | 17.9 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS7 | 12:28:50 | 1.0 | Surface | 1 | 1 | 23.25 | 8.27 | 28.67 | 93.8 | 6.79 | 6.1 | 10.2 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS7 | 12:28:14 | 1.0 | Surface | 1 | 2 | 23.25 | 8.27 | 28.67 | 93.9 | 6.8 | 6.2 | 11.3 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS7 | 12:27:48 | 2.4 | Bottom | 3 | 1 | 23.25 | 8.27 | 28.68 | 93.9 | 6.83 | 6.4 | 10.9 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS7 | 12:28:33 | 2.4 | Bottom | 3 | 2 | 23.25 | 8.27 | 28.68 | 93.8 | 6.82 | 6.5 | 10.4 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS8 | 12:01:19 | 1.0 | Surface | 1 | 1 | 23.39 | 8.28 | 28.83 | 94.8 | 6.83 | 6.8 | 9.8 | |

| 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS8 | 12:01:56 | 1.0 | Surface | 1 | 2 | 23.4 | 8.28 | 28.83 | 94.8 | 6.83 | 6.6 | 9.9 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS8 | 12:00:59 | 2.5 | Bottom | 3 | 1 | 23.36 | 8.28 | 28.82 | 94.8 | 6.83 | 7.1 | 8.5 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS8 | 12:01:38 | 2.5 | Bottom | 3 | 2 | 23.39 | 8.28 | 28.82 | 94.8 | 6.84 | 6.8 | 9.4 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS(Mf)9 | 12:20:33 | 1.0 | Surface | 1 | 1 | 23.13 | 8.27 | 28.55 | 91.2 | 6.62 | 20.9 | 27.5 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS(Mf)9 | 12:21:14 | 1.0 | Surface | 1 | 2 | 23.13 | 8.27 | 28.56 | 90.8 | 6.59 | 20.5 | 27.6 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS(Mf)9 | 12:20:14 | 2.3 | Bottom | 3 | 1 | 23.12 | 8.27 | 28.58 | 91.3 | 6.63 | 21.8 | 23.8 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS(Mf)9 | 12:20:55 | 2.3 | Bottom | 3 | 2 | 23.11 | 8.27 | 28.57 | 90.7 | 6.59 | 22.1 | 24.2 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS10 | 12:02:56 | 1.0 | Surface | 1 | 1 | 23.07 | 8.22 | 28.39 | 91.7 | 6.67 | 9.5 | 10.1 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS10 | 12:02:18 | 1.0 | Surface | 1 | 2 | 23.09 | 8.22 | 28.34 | 92 | 6.69 | 9.8 | 9.3 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS10 | 12:02:01 | 5.1 | Middle | 2 | 1 | 23 | 8.23 | 28.61 | 91.1 | 6.62 | 10.2 | 9 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS10 | 12:02:47 | 5.1 | Middle | 2 | 2 | 22.98 | 8.23 | 28.63 | 91 | 6.62 | 9.6 | 9.3 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS10 | 12:02:38 | 9.2 | Bottom | 3 | 1 | 22.85 | 8.24 | 29.76 | 90.9 | 6.59 | 10.3 | 9 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | IS10 | 12:01:50 | 9.2 | Bottom | 3 | 2 | 22.89 | 8.24 | 29.61 | 91 | 6.6 | 10.8 | 9.9 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | SR3 | 12:55:50 | 0.6 | Middle | 2 | 1 | 23.4 | 8.3 | 29.41 | 94.2 | 6.77 | 6.2 | 9.4 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | SR3 | 12:55:36 | 0.6 | Middle | 2 | 2 | 23.4 | 8.3 | 29.41 | 94.3 | 6.78 | 6.2 | 9.6 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | SR4 | 12:10:30 | 1.0 | Surface | 1 | 1 | 23.46 | 8.27 | 28.75 | 92.8 | 6.68 | 8.4 | 12.3 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | SR4 | 12:11:08 | 1.0 | Surface | 1 | 2 | 23.44 | 8.27 | 28.73 | 93 | 6.7 | 8.3 | 11.3 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | SR4 | 12:10:06 | 2.3 | Bottom | 3 | 1 | 23.44 | 8.26 | 28.68 | 92.6 | 6.67 | 8.6 | 10.4 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | SR4 | 12:10:51 | 2.3 | Bottom | 3 | 2 | 23.41 | 8.27 | 28.67 | 93 | 6.69 | 8.5 | 11.3 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | SR5 | 12:10:43 | 1.0 | Surface | 1 | 1 | 23.09 | 8.22 | 28.35 | 92.4 | 6.72 | 7.8 | 8.4 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | SR5 | 12:10:21 | 1.0 | Surface | 1 | 2 | 23.09 | 8.21 | 28.35 | 92.4 | 6.72 | 7.8 | 9.2 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | SR5 | 12:10:30 | 3.5 | Bottom | 3 | 1 | 23.09 | 8.21 | 28.36 | 92.3 | 6.71 | 7.8 | 10.3 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | SR5 | 12:10:07 | 3.5 | Bottom | 3 | 2 | 23.09 | 8.21 | 28.36 | 92.4 | 6.72 | 7.9 | 9 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | SR10A | 10:47:30 | 1.0 | Surface | 1 | 1 | 22.57 | 8.3 | 31.58 | 88.1 | 6.34 | 3.5 | 4.5 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | SR10A | 10:46:35 | 1.0 | Surface | 1 | 2 | 22.56 | 8.3 | 31.61 | 88.1 | 6.34 | 3.6 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | SR10A | 10:46:14 | 3.2 | Middle | 2 | 1 | 22.47 | 8.3 | 31.85 | 87.7 | 6.32 | 3.8 | 5.2 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | SR10A | 10:47:12 | 3.2 | Middle | 2 | 2 | 22.47 | 8.3 | 31.88 | 87.8 | 6.32 | 3.8 | 4.8 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | SR10A | 10:46:55 | 5.4 | Bottom | 3 | 1 | 22.47 | 8.3 | 31.87 | 87.8 | 6.32 | 4.2 | 6.2 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | SR10A | 10:45:54 | 5.4 | Bottom | 3 | 2 | 22.46 | 8.3 | 31.84 | 87.6 | 6.31 | 4.3 | 5 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | SR10B | 10:34:07 | 1.0 | Surface | 1 | 1 | 22.5 | 8.3 | 31.9 | 88.4 | 6.36 | 5.1 | 7.4 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | SR10B | 10:33:29 | 1.0 | Surface | 1 | 2 | 22.5 | 8.3 | 31.91 | 88.5 | 6.37 | 5.4 | 6.9 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | SR10B | 10:33:11 | 4.3 | Bottom | 3 | 1 | 22.5 | 8.3 | 31.91 | 88.4 | 6.37 | 4.5 | 7.4 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | SR10B | 10:33:48 | 4.3 | Bottom | 3 | 2 | 22.5 | 8.3 | 31.9 | 88.4 | 6.36 | 4.4 | 8.7 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | CS2 | 13:42:08 | 1.0 | Surface | 1 | 1 | 23.13 | 8.19 | 27.66 | 89.9 | 6.56 | 9.4 | 9.7 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | CS2 | 13:41:32 | 1.0 | Surface | 1 | 2 | 23.12 | 8.19 | 27.7 | 90.4 | 6.6 | 9.4 | 9.7 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | CS2 | 13:41:22 | 3.8 | Middle | 2 | 1 | 23.05 | 8.21 | 27.79 | 91.2 | 6.66 | 9.6 | 8.3 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | CS2 | 13:41:54 | 3.8 | Middle | 2 | 2 | 23.07 | 8.21 | 27.86 | 90.7 | 6.62 | 9.5 | 9.4 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | CS2 | 13:41:12 | 6.6 | Bottom | 3 | 1 | 22.97 | 8.23 | 29.23 | 90.6 | 6.57 | 9.8 | 8.9 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | CS2 | 13:41:43 | 6.6 | Bottom | 3 | 2 | 23.01 | 8.23 | 29.13 | 89.9 | 6.52 | 9.6 | 8.3 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | CS(Mf)5 | 11:22:24 | 1.0 | Surface | 1 | 1 | 22.98 | 8.3 | 29.7 | 89.9 | 6.5 | 4.6 | 5.6 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | CS(Mf)5 | 11:23:41 | 1.0 | Surface | 1 | 2 | 22.95 | 8.3 | 29.69 | 89.6 | 6.48 | 4.9 | 5.8 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | CS(Mf)5 | 11:23:18 | 6.7 | Middle | 2 | 1 | 22.57 | 8.3 | 31.17 | 86.9 | 6.27 | 5.3 | 6.4 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | CS(Mf)5 | 11:22:06 | 6.7 | Middle | 2 | 2 | 22.57 | 8.3 | 31.2 | 87 | 6.28 | 5.4 | 7 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | CS(Mf)5 | 11:21:43 | 12.4 | Bottom | 3 | 1 | 22.54 | 8.3 | 31.52 | 87.6 | 6.32 | 6.9 | 6.2 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Ebb | Cloudy | CS(Mf)5 | 11:22:53 | 12.4 | Bottom | 3 | 2 | 22.54 | 8.3 | 31.51 | 87.7 | 6.32 | 6.8 | 5.5 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS5 | 17:33:41 | 1.0 | Surface | 1 | 1 | 23.35 | 8.29 | 28.8 | 93.3 | 6.74 | 14.8 | 21.5 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS5 | 17:32:37 | 1.0 | Surface | 1 | 2 | 23.35 | 8.3 | 28.76 | 93.4 | 6.75 | 15.2 | 21.2 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS5 | 17:32:17 | 4.7 | Middle | 2 | 1 | 23.36 | 8.3 | 28.88 | 93 | 6.71 | 14.5 | 20.5 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS5 | 17:33:22 | 4.7 | Middle | 2 | 2 | 23.36 | 8.3 | 28.88 | 93.1 | 6.71 | 14.4 | 19.5 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS5 | 17:31:57 | 8.4 | Bottom | 3 | 1 | 23.38 | 8.3 | 28.9 | 93 | 6.71 | 14.2 | 20.9 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS5 | 17:33:01 | 8.4 | Bottom | 3 | 2 | 23.38 | 8.3 | 28.92 | 93 | 6.71 | 14 | 20.4 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS(Mf)6 | 17:40:23 | 1.0 | Surface | 1 | 1 | 23.31 | 8.28 | 28.71 | 94.1 | 6.8 | 20 | 24.4 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS(Mf)6 | 17:40:59 | 1.0 | Surface | 1 | 2 | 23.3 | 8.28 | 28.69 | 94 | 6.8 | 20.2 | 23 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS(Mf)6 | 17:40:40 | 2.3 | Bottom | 3 | 1 | 23.3 | 8.28 | 28.69 | 93.9 | 6.79 | 23.3 | 50.1 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS(Mf)6 | 17:39:55 | 2.3 | Bottom | 3 | 2 | 23.31 | 8.28 | 28.7 | 94.1 | 6.8 | 22.8 | 49.8 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS7 | 17:48:54 | 1.0 | Surface | 1 | 1 | 23.21 | 8.28 | 28.72 | 92.1 | 6.67 | 25.2 | 29.6 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS7 | 17:48:20 | 1.0 | Surface | 1 | 2 | 23.21 | 8.28 | 28.72 | 92.1 | 6.67 | 24 | 30.6 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS7 | 17:48:01 | 2.4 | Bottom | 3 | 1 | 23.21 | 8.28 | 28.72 | 92.1 | 6.67 | 25.6 | 30.4 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS7 | 17:48:37 | 2.4 | Bottom | 3 | 2 | 23.21 | 8.28 | 28.72 | 92.1 | 6.67 | 25.9 | 30.9 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS8 | 18:14:15 | 1.0 | Surface | 1 | 1 | 23.15 | 8.29 | 28.85 | 93.2 | 6.75 | 24.4 | 29.5 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS8 | 18:14:52 | 1.0 | Surface | 1 | 2 | 23.15 | 8.29 | 28.85 | 93.1 | 6.74 | 24 | 28.3 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS8 | 18:13:56 | 2.6 | Bottom | 3 | 1 | 23.12 | 8.28 | 28.85 | 93.2 | 6.75 | 25.8 | 26.8 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS8 | 18:14:34 | 2.6 | Bottom | 3 | 2 | 23.13 | 8.28 | 28.86 | 93 | 6.73 | 25.5 | 26.5 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS(Mf)9 | 17:55:30 | 1.0 | Surface | 1 | 1 | 23.29 | 8.28 | 28.89 | 92.9 | 6.72 | 21.2 | 21.7 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS(Mf)9 | 17:56:10 | 1.0 | Surface | 1 | 2 | 23.27 | 8.28 | 28.88 | 92.7 | 6.7 | 21.6 | 21.4 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS(Mf)9 | 17:55:12 | 2.4 | Bottom | 3 | 1 | 23.29 | 8.28 | 28.89 | 92.9 | 6.71 | 22.4 | 24.6 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS(Mf)9 | 17:55:52 | 2.4 | Bottom | 3 | 2 | 23.27 | 8.28 | 28.87 | 92.8 | 6.71 | 22.8 | 23.9 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS10 | 18:44:15 | 1.0 | Surface | 1 | 1 | 23.27 | 8.15 | 25.8 | 88.5 | 6.51 | 13.8 | 5.2 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS10 | 18:43:40 | 1.0 | Surface | 1 | 2 | 23.26 | 8.15 | 25.87 | 88.5 | 6.51 | 13.7 | 6.7 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS10 | 18:43:25 | 5.4 | Middle | 2 | 1 | 23.24 | 8.17 | 26.27 | 88.7 | 6.51 | 14.2 | 8.9 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS10 | 18:44:02 | 5.4 | Middle | 2 | 2 | 23.23 | 8.17 | 26.36 | 88.5 | 6.49 | 14.7 | 9.7 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS10 | 18:43:52 | 9.7 | Bottom | 3 | 1 | 23.24 | 8.16 | 28.2 | 88.1 | 6.39 | 14.6 | 9.5 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | IS10 | 18:43:15 | 9.7 | Bottom | 3 | 2 | 23.23 | 8.17 | 27.92 | 88.3 | 6.42 | 14.6 | 10.5 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | SR3 | 17:17:33 | 0.7 | Middle | 2 | 1 | 23.28 | 8.3 | 28.65 | 94.1 | 6.81 | 16.4 | 21.9 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | SR3 | 17:17:58 | 0.7 | Middle | 2 | 2 | 23.29 | 8.3 | 28.66 | 94.1 | 6.8 | 16 | 21.6 | |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | SR4 | 18:06:30 | 1.0 | Surface | 1 | 1 | 23.18 | 8.26 | 29 | 90.3 | 6.54 | 20.1 | 19 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | SR4 | 18:07:07 | 1.0 | Surface | 1 | 2 | 23.18 | 8.26 | 29 | 90.2 | 6.52 | 20.1 | 20.7 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | SR4 | 18:06:49 | 2.5 | Bottom | 3 | 1 | 23.15 | 8.27 | 29.03 | 90.1 | 6.52 | 21.9 | 17.4 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | SR4 | 18:06:09 | 2.5 | Bottom | 3 | 2 | 23.14 | 8.27 | 29.03 | 90.3 | 6.53 | 22.4 | 17.2 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | SR5 | 18:34:18 | 1.0 | Surface | 1 | 1 | 23.26 | 8.15 | 26.08 | 88.5 | 6.5 | 11.8 | 12.3 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | SR5 | 18:33:47 | 1.0 | Surface | 1 | 2 | 23.26 | 8.16 | 26.11 | 88.8 | 6.52 | 11.8 | 12.8 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | SR5 | 18:33:33 | 3.7 | Bottom | 3 | 1 | 23.23 | 8.17 | 26.94 | 88.9 | 6.51 | 11.5 | 13 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | SR5 | 18:34:06 | 3.7 | Bottom | 3 | 2 | 23.24 | 8.16 | 26.47 | 88.5 | 6.49 | 11.6 | 12.1 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | SR10A | 19:30:58 | 1.0 | Surface | 1 | 1 | 22.69 | 8.31 | 30.88 | 88.1 | 6.35 | 5.7 | 5.6 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | SR10A | 19:29:49 | 1.0 | Surface | 1 | 2 | 22.72 | 8.31 | 30.88 | 88.2 | 6.36 | 5.9 | 5.9 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | SR10A | 19:30:37 | 3.3 | Middle | 2 | 1 | 22.58 | 8.31 | 31.57 | 87.8 | 6.32 | 6.7 | 7.1 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | SR10A | 19:29:27 | 3.3 | Middle | 2 | 2 | 22.57 | 8.31 | 31.64 | 87.8 | 6.33 | 6.9 | 7.8 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | SR10A | 19:29:01 | 5.6 | Bottom | 3 | 1 | 22.58 | 8.31 | 31.59 | 87.8 | 6.33 | 6.2 | 7.5 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | SR10A | 19:30:11 | 5.6 | Bottom | 3 | 2 | 22.59 | 8.31 | 31.54 | 87.8 | 6.32 | 6 | 7.5 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | SR10B | 19:39:12 | 1.0 | Surface | 1 | 1 | 22.5 | 8.31 | 32.08 | 88.4 | 6.36 | 8.8 | 10.2 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | SR10B | 19:39:57 | 1.0 | Surface | 1 | 2 | 22.5 | 8.31 | 32.07 | 88.1 | 6.34 | 8.8 | 11.5 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | SR10B | 19:39:36 | 4.5 | Bottom | 3 | 1 | 22.5 | 8.31 | 32.08 | 88 | 6.33 | 9.4 | 15.7 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | SR10B | 19:38:51 | 4.5 | Bottom | 3 | 2 | 22.5 | 8.31 | 32.08 | 88.4 | 6.36 | 9.3 | 13.1 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | CS2 | 16:56:46 | 1.0 | Surface | 1 | 1 | 23.29 | 8.13 | 25.64 | 86.3 | 6.35 | 7.6 | 5.9 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | CS2 | 16:56:09 | 1.0 | Surface | 1 | 2 | 23.28 | 8.13 | 25.63 | 87.1 | 6.41 | 7.8 | 4.3 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | CS2 | 16:56:34 | 4.1 | Middle | 2 | 1 | 23.23 | 8.15 | 26.43 | 86.2 | 6.32 | 9.1 | 5.1 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | CS2 | 16:55:56 | 4.1 | Middle | 2 | 2 | 23.22 | 8.15 | 26.49 | 87.9 | 6.45 | 9 | 6.2 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | CS2 | 16:56:21 | 7.1 | Bottom | 3 | 1 | 23.25 | 8.14 | 26.53 | 86.4 | 6.33 | 9.1 | 4.7 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | CS2 | 16:55:37 | 7.1 | Bottom | 3 | 2 | 23.23 | 8.15 | 26.78 | 91.5 | 6.7 | 9.1 | 5.6 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | CS(Mf)5 | 18:55:59 | 1.0 | Surface | 1 | 1 | 22.95 | 8.29 | 29.49 | 88.8 | 6.44 | 5.5 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | CS(Mf)5 | 18:54:47 | 1.0 | Surface | 1 | 2 | 22.93 | 8.29 | 29.5 | 88.6 | 6.42 | 5.9 | 4.2 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | CS(Mf)5 | 18:54:23 | 6.8 | Middle | 2 | 1 | 22.68 | 8.29 | 30.74 | 86.7 | 6.26 | 6.5 | 6.3 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | CS(Mf)5 | 18:55:37 | 6.8 | Middle | 2 | 2 | 22.69 | 8.29 | 30.73 | 86.8 | 6.27 | 6.3 | 6.2 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | CS(Mf)5 | 18:55:11 | 12.6 | Bottom | 3 | 1 | 22.62 | 8.29 | 30.83 | 87.2 | 6.3 | 7.5 | 7 | |
| HKLR | HY/2011/03 | 2013-05-08 | Mid-Flood | Cloudy | CS(Mf)5 | 18:54:02 | 12.6 | Bottom | 3 | 2 | 22.63 | 8.29 | 30.82 | 87.4 | 6.31 | 7.5 | 6.5 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS5 | 14:23:15 | 1.0 | Surface | 1 | 1 | 24.39 | 8.25 | 26.56 | 91 | 6.54 | 9.3 | 8.2 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS5 | 14:23:49 | 1.0 | Surface | 1 | 2 | 24.38 | 8.25 | 26.61 | 91 | 6.53 | 9.1 | 9 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS5 | 14:23:05 | 4.2 | Middle | 2 | 1 | 24.08 | 8.27 | 27.04 | 90.5 | 6.52 | 9.7 | 8.1 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS5 | 14:23:37 | 4.2 | Middle | 2 | 2 | 23.85 | 8.28 | 27.8 | 90.2 | 6.49 | 9.1 | 8.6 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS5 | 14:23:27 | 7.3 | Bottom | 3 | 1 | 23.79 | 8.27 | 28.71 | 89.7 | 6.43 | 9.4 | 8 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS5 | 14:22:52 | 7.3 | Bottom | 3 | 2 | 23.72 | 8.27 | 28.98 | 89.8 | 6.44 | 9.6 | 8.2 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS(Mf)6 | 14:14:13 | 1.0 | Surface | 1 | 1 | 24.45 | 8.23 | 26.11 | 90.6 | 6.51 | 13.1 | 10.7 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS(Mf)6 | 14:13:56 | 1.0 | Surface | 1 | 2 | 24.38 | 8.23 | 26.29 | 90.5 | 6.51 | 12.8 | 10.4 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS(Mf)6 | 14:14:05 | 2.0 | Bottom | 3 | 1 | 24.33 | 8.23 | 26.46 | 90.2 | 6.49 | 14.9 | 10.7 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS(Mf)6 | 14:13:47 | 2.0 | Bottom | 3 | 2 | 24.35 | 8.23 | 26.43 | 90.6 | 6.52 | 15 | 9.8 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS7 | 14:04:36 | 1.0 | Surface | 1 | 1 | 24.44 | 8.19 | 25.2 | 88.3 | 6.38 | 8.5 | 8.3 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS7 | 14:04:55 | 1.0 | Surface | 1 | 2 | 24.46 | 8.19 | 25.16 | 88.4 | 6.39 | 8.4 | 7.5 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS7 | 14:04:45 | 2.2 | Bottom | 3 | 1 | 24.28 | 8.19 | 25.41 | 88.1 | 6.38 | 8.7 | 9.4 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS7 | 14:04:24 | 2.2 | Bottom | 3 | 2 | 24.18 | 8.19 | 26.31 | 87.7 | 6.33 | 8.7 | 10.2 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS8 | 13:39:14 | 1.0 | Surface | 1 | 1 | 24.42 | 8.2 | 25.59 | 89.2 | 6.44 | 8.1 | 10.4 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS8 | 13:39:35 | 1.0 | Surface | 1 | 2 | 24.42 | 8.2 | 25.71 | 89.3 | 6.44 | 8.1 | 11.4 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS8 | 13:39:24 | 3.2 | Bottom | 3 | 1 | 24.45 | 8.2 | 26.25 | 89.2 | 6.41 | 8.3 | 12.1 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS8 | 13:39:05 | 3.2 | Bottom | 3 | 2 | 24.42 | 8.2 | 26.51 | 89.3 | 6.41 | 8.3 | 11.9 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS(Mf)9 | 13:55:11 | 1.0 | Surface | 1 | 1 | 24.46 | 8.19 | 25.21 | 86.9 | 6.28 | 11.3 | 7.6 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS(Mf)9 | 13:55:38 | 1.0 | Surface | 1 | 2 | 24.28 | 8.18 | 25.69 | 85.8 | 6.2 | 11.2 | 8.9 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS(Mf)9 | 13:55:01 | 2.5 | Bottom | 3 | 1 | 24.1 | 8.18 | 26.21 | 86.1 | 6.22 | 13.6 | 7.6 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS(Mf)9 | 13:55:27 | 2.5 | Bottom | 3 | 2 | 24.12 | 8.18 | 25.95 | 85.3 | 6.18 | 13.8 | 7.5 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS10 | 13:10:10 | 1.0 | Surface | 1 | 1 | 24.3 | 8.06 | 22.39 | 83.2 | 6.13 | 5.9 | 6.6 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS10 | 13:08:53 | 1.0 | Surface | 1 | 2 | 24.26 | 8.06 | 22.54 | 83.3 | 6.13 | 5.8 | 7.9 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS10 | 13:09:51 | 5.6 | Middle | 2 | 1 | 24.23 | 8.08 | 22.92 | 83.8 | 6.16 | 9.3 | 7.9 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS10 | 13:08:37 | 5.6 | Middle | 2 | 2 | 24.22 | 8.08 | 23.07 | 83.9 | 6.16 | 8.6 | 8.1 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS10 | 13:09:33 | 10.2 | Bottom | 3 | 1 | 24.1 | 8.12 | 24.69 | 84.1 | 6.14 | 11.9 | 7.3 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | IS10 | 13:08:19 | 10.2 | Bottom | 3 | 2 | 24.12 | 8.1 | 25.19 | 83 | 6.04 | 12.4 | 7.6 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | SR3 | 14:29:33 | 0.7 | Middle | 2 | 1 | 24.5 | 8.24 | 26.38 | 91.6 | 6.57 | 6.5 | 12 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | SR3 | 14:29:26 | 0.7 | Middle | 2 | 2 | 24.5 | 8.24 | 26.41 | 91.6 | 6.57 | 6.4 | 12.8 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | SR4 | 13:44:25 | 1.0 | Surface | 1 | 1 | 25.18 | 8.2 | 24.97 | 92.4 | 6.6 | 5.1 | 11.7 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | SR4 | 13:44:41 | 1.0 | Surface | 1 | 2 | 25.19 | 8.2 | 24.96 | 92.8 | 6.63 | 5.2 | 10.4 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | SR4 | 13:44:14 | 2.7 | Bottom | 3 | 1 | 25 | 8.19 | 25.19 | 91.8 | 6.57 | 6.5 | 11.4 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | SR4 | 13:44:33 | 2.7 | Bottom | 3 | 2 | 25.14 | 8.2 | 25.07 | 92.4 | 6.61 | 6.4 | 11.2 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | SR5 | 13:18:21 | 1.0 | Surface | 1 | 1 | 24.26 | 8.06 | 22.62 | 82.8 | 6.1 | 5 | 8.8 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | SR5 | 13:18:45 | 1.0 | Surface | 1 | 2 | 24.25 | 8.06 | 22.69 | 82.8 | 6.09 | 5.1 | 7.8 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | SR5 | 13:18:00 | 4.4 | Bottom | 3 | 1 | 24.24 | 8.07 | 22.89 | 82.7 | 6.08 | 5.1 | 7.6 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | SR5 | 13:18:34 | 4.4 | Bottom | 3 | 2 | 24.26 | 8.06 | 22.78 | 82.8 | 6.09 | 5.1 | 8.4 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | SR10A | 12:23:15 | 1.0 | Surface | 1 | 1 | 23.79 | 8.24 | 28.72 | 89.8 | 6.44 | 3.5 | 11.9 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | SR10A | 12:22:36 | 1.0 | Surface | 1 | 2 | 23.93 | 8.24 | 28.1 | 90.4 | 6.49 | 3.5 | 11.2 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | SR10A | 12:22:24 | 3.3 | Middle | 2 | 1 | 23.46 | 8.25 | 29.62 | 89.3 | 6.4 | 3.5 | 11.4 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | SR10A | 12:23:06 | 3.3 | Middle | 2 | 2 | 23.45 | 8.25 | 29.6 | 89 | 6.39 | 3.5 | 11 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | SR10A | 12:22:55 | 5.5 | Bottom | 3 | 1 | 23.38 | 8.25 | 29.64 | 89.1 | 6.4 | 3.8 | 12.1 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | SR10A | 12:22:14 | 5.5 | Bottom | 3 | 2 | 23.44 | 8.24 | 29.74 | 89.4 | 6.41 | 3.6 | 12 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | SR10B | 12:16:55 | 1.0 | Surface | 1 | 1 | 23.54 | 8.25 | 29.6 | 89.4 | 6.4 | 3.9 | 13 | |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | SR10B | 12:17:12 | 1.0 | Surface | 1 | 2 | 23.55 | 8.25 | 29.54 | 89.4 | 6.4 | 4 | 14.5 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | SR10B | 12:17:04 | 4.1 | Bottom | 3 | 1 | 23.54 | 8.25 | 29.58 | 89.3 | 6.4 | 3.9 | 15.2 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | SR10B | 12:16:45 | 4.1 | Bottom | 3 | 2 | 23.54 | 8.25 | 29.59 | 89.3 | 6.4 | 4 | 16.1 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | CS2 | 14:27:44 | 1.0 | Surface | 1 | 1 | 24.16 | 8.09 | 23.41 | 84.4 | 6.2 | 7.9 | 7.1 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | CS2 | 14:28:37 | 1.0 | Surface | 1 | 2 | 24.23 | 8.08 | 23.22 | 84.5 | 6.21 | 7.6 | 8 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | CS2 | 14:27:26 | 3.5 | Middle | 2 | 1 | 23.76 | 8.14 | 25.7 | 84.2 | 6.15 | 8.5 | 8 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | CS2 | 14:28:16 | 3.5 | Middle | 2 | 2 | 23.78 | 8.13 | 25.51 | 84 | 6.14 | 8.2 | 8 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | CS2 | 14:27:15 | 6.0 | Bottom | 3 | 1 | 23.74 | 8.15 | 26.02 | 84.1 | 6.13 | 12 | 8.9 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | CS2 | 14:28:06 | 6.0 | Bottom | 3 | 2 | 23.76 | 8.14 | 25.85 | 83.9 | 6.12 | 11.3 | 8 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | CS(Mf)5 | 13:03:41 | 1.0 | Surface | 1 | 1 | 24.32 | 8.19 | 24.88 | 88.1 | 6.4 | 7.1 | 9.4 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | CS(Mf)5 | 13:03:02 | 1.0 | Surface | 1 | 2 | 24.19 | 8.2 | 24.89 | 87.8 | 6.39 | 7.2 | 9.6 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | CS(Mf)5 | 13:02:53 | 6.4 | Middle | 2 | 1 | 23.63 | 8.23 | 26.79 | 86.6 | 6.3 | 7.1 | 8 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | CS(Mf)5 | 13:03:26 | 6.4 | Middle | 2 | 2 | 23.7 | 8.22 | 26.69 | 86.7 | 6.3 | 7.2 | 8.4 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | CS(Mf)5 | 13:03:15 | 11.7 | Bottom | 3 | 1 | 23.51 | 8.2 | 29.81 | 86.2 | 6.17 | 8.6 | 8 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Ebb | Fine | CS(Mf)5 | 13:02:43 | 11.7 | Bottom | 3 | 2 | 23.23 | 8.22 | 30.04 | 85.8 | 6.17 | 8.5 | 8.1 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS5 | 18:56:19 | 1.0 | Surface | 1 | 1 | 24.55 | 8.25 | 26.5 | 91 | 6.52 | 10.5 | 11.1 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS5 | 18:56:58 | 1.0 | Surface | 1 | 2 | 24.49 | 8.25 | 26.54 | 90.7 | 6.5 | 10.4 | 11.5 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS5 | 18:56:08 | 4.1 | Middle | 2 | 1 | 24.01 | 8.27 | 27.3 | 90 | 6.48 | 10.6 | 11.8 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS5 | 18:56:49 | 4.1 | Middle | 2 | 2 | 24.08 | 8.27 | 27.2 | 89.8 | 6.46 | 10.2 | 11.5 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS5 | 18:56:37 | 7.1 | Bottom | 3 | 1 | 23.57 | 8.28 | 29.06 | 88.9 | 6.38 | 10.8 | 16.2 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS5 | 18:55:57 | 7.1 | Bottom | 3 | 2 | 23.72 | 8.27 | 29.09 | 89.3 | 6.39 | 10.4 | 16.3 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS(Mf)6 | 19:06:05 | 1.0 | Surface | 1 | 1 | 24.55 | 8.23 | 25.73 | 91.1 | 6.56 | 7.3 | 16.3 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS(Mf)6 | 19:06:26 | 1.0 | Surface | 1 | 2 | 24.59 | 8.22 | 25.57 | 91.3 | 6.57 | 7.4 | 15.2 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS(Mf)6 | 19:05:56 | 2.0 | Bottom | 3 | 1 | 24.43 | 8.23 | 26.26 | 90.8 | 6.53 | 7.5 | 11.2 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS(Mf)6 | 19:06:16 | 2.0 | Bottom | 3 | 2 | 24.46 | 8.23 | 26.19 | 91 | 6.54 | 7.6 | 11.9 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS7 | 19:14:18 | 1.0 | Surface | 1 | 1 | 24.43 | 8.19 | 25.35 | 88.2 | 6.37 | 7.9 | 8.6 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS7 | 19:14:38 | 1.0 | Surface | 1 | 2 | 24.42 | 8.19 | 25.35 | 87.9 | 6.35 | 7.9 | 7.3 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS7 | 19:14:06 | 2.2 | Bottom | 3 | 1 | 24.31 | 8.2 | 25.5 | 88 | 6.37 | 8.8 | 9.4 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS7 | 19:14:25 | 2.2 | Bottom | 3 | 2 | 24.27 | 8.19 | 26.17 | 87.5 | 6.31 | 8.8 | 9.4 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS8 | 19:44:16 | 1.0 | Surface | 1 | 1 | 24.4 | 8.19 | 24.05 | 88.2 | 6.43 | 7.6 | 13.5 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS8 | 19:43:58 | 1.0 | Surface | 1 | 2 | 24.46 | 8.19 | 24.16 | 89.4 | 6.5 | 7.7 | 14.1 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS8 | 19:43:49 | 2.9 | Bottom | 3 | 1 | 24.54 | 8.18 | 26.68 | 90 | 6.44 | 7.8 | 14.3 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS8 | 19:44:06 | 2.9 | Bottom | 3 | 2 | 24.39 | 8.18 | 26.82 | 88.8 | 6.37 | 7.4 | 13 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS(Mf)9 | 19:26:22 | 1.0 | Surface | 1 | 1 | 24.34 | 8.19 | 25.61 | 85.8 | 6.2 | 11.7 | 8.8 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS(Mf)9 | 19:26:39 | 1.0 | Surface | 1 | 2 | 24.28 | 8.19 | 25.73 | 85.3 | 6.17 | 11.6 | 8.7 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS(Mf)9 | 19:26:31 | 2.7 | Bottom | 3 | 1 | 24.1 | 8.19 | 26.16 | 85.2 | 6.16 | 11.4 | 7.5 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS(Mf)9 | 19:26:11 | 2.7 | Bottom | 3 | 2 | 24.15 | 8.18 | 26.07 | 85.3 | 6.17 | 11.8 | 8.9 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS10 | 19:46:21 | 1.0 | Surface | 1 | 1 | 24.38 | 8.01 | 21.32 | 82.1 | 6.08 | 8.4 | 9.8 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS10 | 19:45:25 | 1.0 | Surface | 1 | 2 | 24.36 | 8.01 | 21.33 | 82.1 | 6.08 | 8.2 | 10.2 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS10 | 19:46:00 | 5.5 | Middle | 2 | 1 | 24.08 | 8.06 | 23.2 | 81.8 | 6.02 | 12.4 | 10.6 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS10 | 19:45:09 | 5.5 | Middle | 2 | 2 | 24.12 | 8.04 | 23.87 | 81.5 | 5.97 | 11.5 | 11.6 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS10 | 19:45:46 | 10.0 | Bottom | 3 | 1 | 23.9 | 8.07 | 25.1 | 81.4 | 5.95 | 15 | 11.8 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | IS10 | 19:44:51 | 10.0 | Bottom | 3 | 2 | 23.95 | 8.06 | 25.09 | 81.1 | 5.92 | 13.8 | 11.6 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | SR3 | 18:46:13 | 0.7 | Middle | 2 | 1 | 24.59 | 8.24 | 26.2 | 93 | 6.67 | 6 | 12.2 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | SR3 | 18:46:20 | 0.7 | Middle | 2 | 2 | 24.58 | 8.24 | 26.23 | 92.9 | 6.66 | 5.9 | 13 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | SR4 | 19:38:37 | 1.0 | Surface | 1 | 1 | 24.63 | 8.19 | 25.63 | 90.4 | 6.5 | 8.2 | 7.4 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | SR4 | 19:38:58 | 1.0 | Surface | 1 | 2 | 24.61 | 8.19 | 25.63 | 90.2 | 6.48 | 8.4 | 7.9 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | SR4 | 19:38:26 | 2.7 | Bottom | 3 | 1 | 24.46 | 8.19 | 26.02 | 90 | 6.48 | 8.6 | 7.2 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | SR4 | 19:38:48 | 2.7 | Bottom | 3 | 2 | 24.41 | 8.19 | 26.08 | 89.8 | 6.46 | 8.4 | 7.3 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | SR5 | 19:33:27 | 1.0 | Surface | 1 | 1 | 24.37 | 8 | 21.41 | 82.1 | 6.07 | 6.9 | 9.1 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | SR5 | 19:33:00 | 1.0 | Surface | 1 | 2 | 24.35 | 8 | 21.69 | 82 | 6.06 | 7 | 9.7 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | SR5 | 19:32:44 | 4.3 | Bottom | 3 | 1 | 24.3 | 8.01 | 22.05 | 81.8 | 6.04 | 7.4 | 6.6 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | SR5 | 19:33:13 | 4.3 | Bottom | 3 | 2 | 24.3 | 8.01 | 22.02 | 81.7 | 6.03 | 7.3 | 6.6 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | SR10A | 20:52:36 | 1.0 | Surface | 1 | 1 | 24.09 | 8.21 | 25.52 | 87.6 | 6.36 | 5.3 | 5.6 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | SR10A | 20:53:09 | 1.0 | Surface | 1 | 2 | 24.07 | 8.21 | 25.66 | 87.3 | 6.34 | 5.4 | 6 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | SR10A | 20:52:26 | 3.3 | Middle | 2 | 1 | 23.99 | 8.21 | 25.98 | 87.1 | 6.32 | 5.8 | 6.9 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | SR10A | 20:52:57 | 3.3 | Middle | 2 | 2 | 23.92 | 8.22 | 26.46 | 86.8 | 6.29 | 5.9 | 7.3 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | SR10A | 20:52:47 | 5.5 | Bottom | 3 | 1 | 23.89 | 8.21 | 26.99 | 86.9 | 6.28 | 5.9 | 9.7 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | SR10A | 20:52:15 | 5.5 | Bottom | 3 | 2 | 23.9 | 8.21 | 27.11 | 87.3 | 6.3 | 5.7 | 9.1 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | SR10B | 21:00:26 | 1.0 | Surface | 1 | 1 | 24.09 | 8.21 | 25.35 | 87.2 | 6.34 | 5.2 | 6.9 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | SR10B | 21:00:51 | 1.0 | Surface | 1 | 2 | 24.13 | 8.2 | 25.35 | 87.3 | 6.34 | 5 | 6.2 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | SR10B | 21:00:17 | 4.3 | Bottom | 3 | 1 | 24.05 | 8.2 | 26.27 | 87 | 6.3 | 5.4 | 5.6 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | SR10B | 21:00:34 | 4.3 | Bottom | 3 | 2 | 24.04 | 8.2 | 26.51 | 87 | 6.29 | 5.5 | 6.2 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | CS2 | 18:19:48 | 1.0 | Surface | 1 | 1 | 24.32 | 7.96 | 21.95 | 82.7 | 6.1 | 7.5 | 6.4 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | CS2 | 18:20:34 | 1.0 | Surface | 1 | 2 | 24.35 | 7.97 | 21.62 | 82.4 | 6.09 | 7 | 7.4 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | CS2 | 18:20:15 | 3.4 | Middle | 2 | 1 | 24.25 | 7.98 | 22.34 | 82.2 | 6.06 | 8.4 | 8 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | CS2 | 18:19:31 | 3.4 | Middle | 2 | 2 | 24.23 | 7.97 | 22.42 | 82.8 | 6.1 | 8 | 6.7 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | CS2 | 18:19:59 | 5.7 | Bottom | 3 | 1 | 24.21 | 7.98 | 22.77 | 82.1 | 6.05 | 8 | 7.2 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | CS2 | 18:19:16 | 5.7 | Bottom | 3 | 2 | 24.15 | 7.96 | 22.98 | 83.4 | 6.14 | 8.3 | 7 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | CS(Mf)5 | 20:16:24 | 1.0 | Surface | 1 | 1 | 24.21 | 8.19 | 23.59 | 85.6 | 6.27 | 11.9 | 6.7 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | CS(Mf)5 | 20:17:07 | 1.0 | Surface | 1 | 2 | 24.16 | 8.2 | 23.59 | 85.4 | 6.26 | 11.8 | 6.3 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | CS(Mf)5 | 20:16:57 | 6.4 | Middle | 2 | 1 | 23.85 | 8.21 | 25.99 | 84.6 | 6.16 | 13.5 | 10.8 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | CS(Mf)5 | 20:16:12 | 6.4 | Middle | 2 | 2 | 23.92 | 8.2 | 26.09 | 84.8 | 6.16 | 13.7 | 9.2 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | CS(Mf)5 | 20:15:56 | 11.8 | Bottom | 3 | 1 | 23.83 | 8.18 | 28.7 | 84.6 | 6.06 | 15.2 | 9.6 | |
| HKLR | HY/2011/03 | 2013-05-10 | Mid-Flood | Cloudy | CS(Mf)5 | 20:16:45 | 11.8 | Bottom | 3 | 2 | 23.53 | 8.21 | 28.9 | 83.9 | 6.04 | 14.9 | 10.8 | |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS5 | 13:45:55 | 1.0 | Surface | 1 | 1 | 24.88 | 8.27 | 23.86 | 89.9 | 6.5 | 6.8 | 4.6 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS5 | 13:45:14 | 1.0 | Surface | 1 | 2 | 25.03 | 8.26 | 23.77 | 91 | 6.57 | 6.7 | 4.3 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS5 | 13:44:52 | 4.6 | Middle | 2 | 1 | 24.28 | 8.28 | 24.79 | 88.9 | 6.43 | 6.7 | 4.8 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS5 | 13:45:38 | 4.6 | Middle | 2 | 2 | 23.97 | 8.28 | 25.81 | 87.6 | 6.35 | 7 | 4.5 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS5 | 13:45:31 | 8.1 | Bottom | 3 | 1 | 23.98 | 8.27 | 26.05 | 86.8 | 6.31 | 7.1 | 5.1 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS5 | 13:44:39 | 8.1 | Bottom | 3 | 2 | 24.16 | 8.26 | 25.93 | 87.8 | 6.38 | 7.1 | 5 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS(Mf)6 | 13:52:03 | 1.0 | Surface | 1 | 1 | 24.93 | 8.25 | 22.52 | 90.4 | 6.58 | 4.4 | 3 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS(Mf)6 | 13:52:32 | 1.0 | Surface | 1 | 2 | 24.9 | 8.25 | 23.19 | 90.8 | 6.59 | 4.5 | 2.9 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS(Mf)6 | 13:51:53 | 2.3 | Bottom | 3 | 1 | 24.64 | 8.24 | 24.21 | 89.8 | 6.51 | 5 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS(Mf)6 | 13:52:10 | 2.3 | Bottom | 3 | 2 | 24.75 | 8.24 | 24.52 | 90.1 | 6.5 | 4.6 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS7 | 13:59:24 | 1.0 | Surface | 1 | 1 | 24.3 | 8.2 | 22.95 | 82.2 | 6.03 | 14 | 4.5 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS7 | 13:59:51 | 1.0 | Surface | 1 | 2 | 24.66 | 8.18 | 22.49 | 82.8 | 6.06 | 13.8 | 4.5 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS7 | 13:59:19 | 2.3 | Bottom | 3 | 1 | 24.44 | 8.19 | 25.18 | 82.1 | 5.94 | 14.1 | 7.4 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS7 | 13:59:29 | 2.3 | Bottom | 3 | 2 | 24.46 | 8.2 | 24.27 | 82 | 5.96 | 13.8 | 8 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS8 | 14:21:05 | 1.0 | Surface | 1 | 1 | 24.88 | 8.23 | 22.61 | 88 | 6.41 | 5.5 | 2.3 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS8 | 14:21:22 | 1.0 | Surface | 1 | 2 | 25.07 | 8.23 | 22.46 | 88.5 | 6.43 | 5.1 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS8 | 14:21:10 | 2.3 | Bottom | 3 | 1 | 24.81 | 8.22 | 24.12 | 87.8 | 6.35 | 5.7 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS8 | 14:20:54 | 2.3 | Bottom | 3 | 2 | 24.66 | 8.23 | 24.28 | 87.8 | 6.36 | 6 | 2.4 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS(Mf)9 | 14:06:24 | 1.0 | Surface | 1 | 1 | 25.09 | 8.19 | 21.54 | 85.8 | 6.27 | 6.6 | 2.8 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS(Mf)9 | 14:06:05 | 1.0 | Surface | 1 | 2 | 24.98 | 8.19 | 21.57 | 85.3 | 6.22 | 6.5 | 2.7 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS(Mf)9 | 14:05:55 | 2.2 | Bottom | 3 | 1 | 24.85 | 8.18 | 23.35 | 85 | 6.19 | 7.1 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS(Mf)9 | 14:06:10 | 2.2 | Bottom | 3 | 2 | 24.91 | 8.18 | 23.36 | 85 | 6.16 | 6.9 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS10 | 14:38:25 | 1.0 | Surface | 1 | 1 | 25.23 | 8.14 | 21.32 | 88.2 | 6.43 | 8.5 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS10 | 14:39:34 | 1.0 | Surface | 1 | 2 | 25.08 | 8.14 | 21.41 | 87.7 | 6.4 | 8.9 | 2.4 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS10 | 14:39:22 | 5.3 | Middle | 2 | 1 | 24.79 | 8.14 | 22.65 | 85.5 | 6.23 | 9.8 | 2.5 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS10 | 14:38:10 | 5.3 | Middle | 2 | 2 | 24.82 | 8.14 | 22.52 | 85.5 | 6.24 | 10.3 | 2.2 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS10 | 14:37:50 | 9.6 | Bottom | 3 | 1 | 23.85 | 8.19 | 27.3 | 84.3 | 6.09 | 11.5 | 2.9 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | IS10 | 14:39:01 | 9.6 | Bottom | 3 | 2 | 23.8 | 8.18 | 27.37 | 84.6 | 6.11 | 12 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | SR3 | 13:37:26 | 0.9 | Middle | 2 | 1 | 24.89 | 8.31 | 23.95 | 92 | 6.65 | 5.7 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | SR3 | 13:37:30 | 0.9 | Middle | 2 | 2 | 24.89 | 8.31 | 23.94 | 92 | 6.65 | 5.6 | 4 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | SR4 | 14:16:09 | 1.0 | Surface | 1 | 1 | 25.25 | 8.2 | 21.73 | 88.2 | 6.41 | 5 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | SR4 | 14:15:56 | 1.0 | Surface | 1 | 2 | 25.13 | 8.2 | 21.98 | 87.7 | 6.38 | 5.6 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | SR4 | 14:16:02 | 2.3 | Bottom | 3 | 1 | 25.19 | 8.2 | 21.87 | 87.9 | 6.39 | 5.4 | 4.6 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | SR4 | 14:15:50 | 2.3 | Bottom | 3 | 2 | 25.11 | 8.2 | 22.04 | 87.6 | 6.38 | 5.7 | 5.4 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | SR5 | 14:26:42 | 1.0 | Surface | 1 | 1 | 25.15 | 8.14 | 21.4 | 89.9 | 6.56 | 4.3 | 2.5 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | SR5 | 14:26:19 | 1.0 | Surface | 1 | 2 | 25.14 | 8.14 | 21.44 | 89.6 | 6.54 | 4.4 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | SR5 | 14:26:32 | 4.3 | Bottom | 3 | 1 | 25.11 | 8.14 | 21.53 | 89.6 | 6.54 | 4.3 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | SR5 | 14:26:06 | 4.3 | Bottom | 3 | 2 | 25.08 | 8.13 | 21.66 | 89.1 | 6.5 | 4.6 | 3.6 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | SR10A | 15:17:01 | 1.0 | Surface | 1 | 1 | 24.28 | 8.26 | 25.51 | 88.3 | 6.39 | 2.5 | 3 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | SR10A | 15:17:26 | 1.0 | Surface | 1 | 2 | 24.38 | 8.26 | 25.22 | 88 | 6.37 | 2.4 | 3 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | SR10A | 15:16:47 | 3.1 | Middle | 2 | 1 | 24.38 | 8.26 | 25.18 | 88.1 | 6.38 | 2.8 | 3 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | SR10A | 15:17:13 | 3.1 | Middle | 2 | 2 | 24.25 | 8.27 | 25.76 | 87.7 | 6.34 | 2.6 | 2.5 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | SR10A | 15:16:42 | 5.1 | Bottom | 3 | 1 | 24.44 | 8.26 | 25.03 | 87.9 | 6.36 | 2.9 | 2.8 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | SR10A | 15:17:08 | 5.1 | Bottom | 3 | 2 | 24.28 | 8.26 | 25.7 | 87.6 | 6.34 | 2.7 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | SR10B | 15:22:12 | 1.0 | Surface | 1 | 1 | 24.67 | 8.27 | 25.34 | 90.5 | 6.51 | 3.8 | 4.7 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | SR10B | 15:21:49 | 1.0 | Surface | 1 | 2 | 24.65 | 8.27 | 25.3 | 90.4 | 6.51 | 3.6 | 6 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | SR10B | 15:21:40 | 3.2 | Bottom | 3 | 1 | 24.62 | 8.27 | 25.46 | 90.3 | 6.5 | 3.7 | 5.7 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | SR10B | 15:21:55 | 3.2 | Bottom | 3 | 2 | 24.66 | 8.27 | 25.38 | 90.3 | 6.5 | 3.8 | 5.3 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | CS2 | 13:19:24 | 1.0 | Surface | 1 | 1 | 25.17 | 8.17 | 20.99 | 88.2 | 6.45 | 7.9 | 3.8 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | CS2 | 13:20:57 | 1.0 | Surface | 1 | 2 | 25.14 | 8.15 | 20.71 | 88.8 | 6.51 | 8.3 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | CS2 | 13:19:08 | 3.7 | Middle | 2 | 1 | 24.27 | 8.26 | 23.48 | 88.4 | 6.48 | 8.8 | 3 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | CS2 | 13:20:40 | 3.7 | Middle | 2 | 2 | 23.94 | 8.24 | 26.17 | 86.5 | 6.27 | 9 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | CS2 | 13:20:17 | 6.3 | Bottom | 3 | 1 | 23.71 | 8.25 | 27.34 | 85.7 | 6.2 | 11.1 | 2.9 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | CS2 | 13:18:49 | 6.3 | Bottom | 3 | 2 | 23.72 | 8.3 | 27.36 | 87.8 | 6.35 | 10.7 | 3 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | CS(Mf)5 | 14:52:19 | 1.0 | Surface | 1 | 1 | 25.74 | 8.24 | 21.86 | 89.5 | 6.43 | 4.5 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | CS(Mf)5 | 14:51:34 | 1.0 | Surface | 1 | 2 | 25.72 | 8.23 | 21.85 | 91.3 | 6.58 | 4.6 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | CS(Mf)5 | 14:51:12 | 6.0 | Middle | 2 | 1 | 24.51 | 8.25 | 24.06 | 87.9 | 6.33 | 4.7 | 3.8 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | CS(Mf)5 | 14:52:06 | 6.0 | Middle | 2 | 2 | 24.44 | 8.24 | 24.36 | 88.6 | 6.39 | 4.7 | 4 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | CS(Mf)5 | 14:51:44 | 10.9 | Bottom | 3 | 1 | 23.8 | 8.22 | 28.11 | 85.5 | 6.22 | 4.7 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Ebb | Sunny | CS(Mf)5 | 14:50:55 | 10.9 | Bottom | 3 | 2 | 23.65 | 8.23 | 28.34 | 85.9 | 6.25 | 4.8 | 4.3 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS5 | 09:31:53 | 1.0 | Surface | 1 | 1 | 24.69 | 8.22 | 22.48 | 86.7 | 6.34 | 5.5 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS5 | 09:32:40 | 1.0 | Surface | 1 | 2 | 24.69 | 8.22 | 22.48 | 86.9 | 6.35 | 5.3 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS5 | 09:32:20 | 4.6 | Middle | 2 | 1 | 24.24 | 8.26 | 23.78 | 84.9 | 6.19 | 5.6 | 4.6 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS5 | 09:31:34 | 4.6 | Middle | 2 | 2 | 24.39 | 8.25 | 23.88 | 84.9 | 6.18 | 5.4 | 4 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS5 | 09:31:23 | 8.1 | Bottom | 3 | 1 | 24.14 | 8.24 | 25.78 | 84.7 | 6.15 | 6.2 | 3.7 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS5 | 09:32:10 | 8.1 | Bottom | 3 | 2 | 24.21 | 8.23 | 25.95 | 84.6 | 6.13 | 6 | 3.7 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS(Mf)6 | 09:22:59 | 1.0 | Surface | 1 | 1 | 24.68 | 8.18 | 20.97 | 85.8 | 6.33 | 4.7 | 5.5 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS(Mf)6 | 09:22:44 | 1.0 | Surface | 1 | 2 | 24.67 | 8.18 | 20.98 | 86.4 | 6.37 | 4.7 | 5.6 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS(Mf)6 | 09:22:48 | 2.2 | Bottom | 3 | 1 | 24.68 | 8.18 | 20.97 | 85.6 | 6.31 | 4.7 | 5.4 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS(Mf)6 | 09:22:32 | 2.2 | Bottom | 3 | 2 | 24.69 | 8.18 | 20.93 | 85.9 | 6.34 | 4.7 | 5.5 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS7 | 09:16:28 | 1.0 | Surface | 1 | 1 | 24.59 | 8.18 | 21.4 | 84.7 | 6.24 | 5.2 | 5.2 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS7 | 09:15:39 | 1.0 | Surface | 1 | 2 | 24.59 | 8.18 | 21.4 | 85 | 6.26 | 5 | 4.2 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS7 | 09:15:30 | 2.2 | Bottom | 3 | 1 | 24.59 | 8.18 | 21.48 | 84.9 | 6.25 | 5.1 | 4.5 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS7 | 09:16:22 | 2.2 | Bottom | 3 | 2 | 24.59 | 8.18 | 21.48 | 84.7 | 6.24 | 5.6 | 5.7 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS8 | 08:55:01 | 1.0 | Surface | 1 | 1 | 24.6 | 8.19 | 22.12 | 84.2 | 6.18 | 7.4 | 5.3 | |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS8 | 08:54:24 | 1.0 | Surface | 1 | 2 | 24.45 | 8.19 | 22.93 | 82.8 | 6.06 | 7.1 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS8 | 08:54:17 | 2.4 | Bottom | 3 | 1 | 24.46 | 8.19 | 22.97 | 82.6 | 6.05 | 7.7 | 10.8 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS8 | 08:54:29 | 2.4 | Bottom | 3 | 2 | 24.45 | 8.19 | 22.96 | 82.5 | 6.04 | 7.6 | 11 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS(Mf)9 | 09:10:27 | 1.0 | Surface | 1 | 1 | 24.45 | 8.19 | 22.23 | 82.1 | 6.03 | 5.6 | 5.8 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS(Mf)9 | 09:10:15 | 1.0 | Surface | 1 | 2 | 24.46 | 8.18 | 22.2 | 82.6 | 6.04 | 5.7 | 6.7 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS(Mf)9 | 09:10:04 | 2.3 | Bottom | 3 | 1 | 24.49 | 8.17 | 23.11 | 82.3 | 6.05 | 5.6 | 6 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS(Mf)9 | 09:10:20 | 2.3 | Bottom | 3 | 2 | 24.45 | 8.18 | 23.34 | 82 | 6 | 5.9 | 5.2 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS10 | 08:12:01 | 1.0 | Surface | 1 | 1 | 24.58 | 8.12 | 22.67 | 84.3 | 6.17 | 9.6 | 6.3 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS10 | 08:10:51 | 1.0 | Surface | 1 | 2 | 24.57 | 8.11 | 22.67 | 84.6 | 6.19 | 10.2 | 7.3 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS10 | 08:10:37 | 5.4 | Middle | 2 | 1 | 24.45 | 8.12 | 23.64 | 83.1 | 6.06 | 11.7 | 6.4 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS10 | 08:11:44 | 5.4 | Middle | 2 | 2 | 24.23 | 8.14 | 24.62 | 81.7 | 5.95 | 12 | 6.8 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS10 | 08:10:09 | 9.8 | Bottom | 3 | 1 | 23.89 | 8.15 | 27.17 | 82.5 | 5.95 | 13.5 | 7.7 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | IS10 | 08:11:20 | 9.8 | Bottom | 3 | 2 | 23.72 | 8.17 | 27.52 | 81.4 | 5.88 | 13.3 | 8 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | SR3 | 09:37:22 | 0.9 | Middle | 2 | 1 | 24.71 | 8.21 | 22.42 | 88 | 6.44 | 4.1 | 4.6 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | SR3 | 09:37:25 | 0.9 | Middle | 2 | 2 | 24.71 | 8.21 | 22.43 | 88 | 6.44 | 4.2 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | SR4 | 09:00:34 | 1.0 | Surface | 1 | 1 | 24.55 | 8.2 | 22.64 | 84.1 | 6.16 | 6 | 5.1 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | SR4 | 08:59:40 | 1.0 | Surface | 1 | 2 | 24.5 | 8.2 | 22.59 | 85.3 | 6.23 | 6.4 | 4.7 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | SR4 | 08:59:32 | 2.5 | Bottom | 3 | 1 | 24.51 | 8.2 | 23.29 | 84.8 | 6.22 | 6.3 | 6.5 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | SR4 | 09:00:24 | 2.5 | Bottom | 3 | 2 | 24.55 | 8.19 | 22.67 | 84.1 | 6.16 | 6.4 | 6.2 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | SR5 | 08:20:11 | 1.0 | Surface | 1 | 1 | 24.58 | 8.11 | 22.68 | 84.8 | 6.21 | 11.3 | 7.3 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | SR5 | 08:19:38 | 1.0 | Surface | 1 | 2 | 24.58 | 8.11 | 22.68 | 84.9 | 6.21 | 10.6 | 7 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | SR5 | 08:19:22 | 4.5 | Bottom | 3 | 1 | 24.36 | 8.12 | 24.04 | 83.6 | 6.1 | 14.1 | 7.1 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | SR5 | 08:19:57 | 4.5 | Bottom | 3 | 2 | 24.44 | 8.12 | 23.77 | 84.1 | 6.13 | 14.1 | 8 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | SR10A | 07:54:35 | 1.0 | Surface | 1 | 1 | 23.76 | 8.29 | 27.41 | 85.7 | 6.19 | 3.8 | 3.8 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | SR10A | 07:55:19 | 1.0 | Surface | 1 | 2 | 23.76 | 8.29 | 26.78 | 85.5 | 6.2 | 3.7 | 4 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | SR10A | 07:54:24 | 3.1 | Middle | 2 | 1 | 23.52 | 8.29 | 28.55 | 85.5 | 6.16 | 3.8 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | SR10A | 07:55:03 | 3.1 | Middle | 2 | 2 | 23.56 | 8.29 | 28.36 | 85.2 | 6.15 | 3.9 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | SR10A | 07:54:17 | 5.2 | Bottom | 3 | 1 | 23.58 | 8.29 | 28.41 | 85.4 | 6.16 | 4 | 3.6 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | SR10A | 07:54:47 | 5.2 | Bottom | 3 | 2 | 23.53 | 8.29 | 28.79 | 85.2 | 6.13 | 4 | 4 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | SR10B | 07:50:32 | 1.0 | Surface | 1 | 1 | 23.19 | 8.32 | 30.49 | 86.1 | 6.17 | 4.5 | 5.9 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | SR10B | 07:50:18 | 1.0 | Surface | 1 | 2 | 23.19 | 8.32 | 30.48 | 86.2 | 6.18 | 4.7 | 6.2 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | SR10B | 07:50:08 | 4.2 | Bottom | 3 | 1 | 23.2 | 8.32 | 30.47 | 86.2 | 6.18 | 4.7 | 6.1 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | SR10B | 07:50:24 | 4.2 | Bottom | 3 | 2 | 23.19 | 8.32 | 30.48 | 86 | 6.17 | 4.6 | 6.4 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | CS2 | 09:29:11 | 1.0 | Surface | 1 | 1 | 24.32 | 8.13 | 23.65 | 82.8 | 6.05 | 7.1 | 4.5 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | CS2 | 09:28:10 | 1.0 | Surface | 1 | 2 | 24.31 | 8.12 | 23.81 | 83 | 6.06 | 7.4 | 4.7 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | CS2 | 09:28:51 | 3.4 | Middle | 2 | 1 | 23.92 | 8.15 | 26.02 | 81.2 | 5.9 | 9.2 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | CS2 | 09:27:47 | 3.4 | Middle | 2 | 2 | 23.89 | 8.16 | 26.28 | 81.2 | 5.89 | 8.9 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | CS2 | 09:27:25 | 5.7 | Bottom | 3 | 1 | 23.87 | 8.15 | 26.52 | 81.4 | 5.9 | 11.5 | 4.3 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | CS2 | 09:28:35 | 5.7 | Bottom | 3 | 2 | 23.87 | 8.16 | 26.42 | 81.2 | 5.89 | 12.2 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | CS(Mf)5 | 08:24:36 | 1.0 | Surface | 1 | 1 | 24.35 | 8.24 | 24.05 | 85.8 | 6.26 | 3.9 | 2.9 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | CS(Mf)5 | 08:23:02 | 1.0 | Surface | 1 | 2 | 24.46 | 8.26 | 23.24 | 86.2 | 6.3 | 4 | 2.2 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | CS(Mf)5 | 08:22:46 | 6.7 | Middle | 2 | 1 | 23.63 | 8.3 | 27.82 | 84.7 | 6.12 | 4.3 | 2 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | CS(Mf)5 | 08:24:04 | 6.7 | Middle | 2 | 2 | 23.55 | 8.3 | 28.1 | 84.3 | 6.09 | 4.2 | 2.7 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | CS(Mf)5 | 08:22:30 | 12.4 | Bottom | 3 | 1 | 23.42 | 8.28 | 29.73 | 84.1 | 6.04 | 4.3 | 2.4 | |
| HKLR | HY/2011/03 | 2013-05-13 | Mid-Flood | Sunny | CS(Mf)5 | 08:23:51 | 12.4 | Bottom | 3 | 2 | 23.29 | 8.3 | 29.8 | 83.7 | 6.02 | 4.2 | 2.4 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS5 | 15:02:08 | 1.0 | Surface | 1 | 1 | 25.47 | 8.24 | 22.85 | 90.1 | 6.49 | 6.4 | 3.8 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS5 | 15:01:31 | 1.0 | Surface | 1 | 2 | 25.63 | 8.24 | 22.82 | 91.7 | 6.58 | 6.5 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS5 | 15:01:59 | 4.3 | Middle | 2 | 1 | 25.04 | 8.23 | 23.99 | 87.7 | 6.32 | 8.8 | 4.7 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS5 | 15:01:20 | 4.3 | Middle | 2 | 2 | 25.17 | 8.23 | 23.71 | 88.9 | 6.4 | 8.8 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS5 | 15:01:47 | 7.6 | Bottom | 3 | 1 | 24.46 | 8.23 | 25.97 | 88 | 6.33 | 9.1 | 4.7 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS5 | 15:01:08 | 7.6 | Bottom | 3 | 2 | 24.6 | 8.23 | 25.93 | 88.9 | 6.38 | 9.1 | 3.8 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS(Mf)6 | 15:08:12 | 1.0 | Surface | 1 | 1 | 25.32 | 8.2 | 23.34 | 88.6 | 6.38 | 10.3 | 12 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS(Mf)6 | 15:08:34 | 1.0 | Surface | 1 | 2 | 25.3 | 8.2 | 23.3 | 88.3 | 6.36 | 10.1 | 11.9 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS(Mf)6 | 15:08:03 | 2.1 | Bottom | 3 | 1 | 25.32 | 8.2 | 23.41 | 88.7 | 6.38 | 11.2 | 10.4 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS(Mf)6 | 15:08:23 | 2.1 | Bottom | 3 | 2 | 25.29 | 8.2 | 23.49 | 88.4 | 6.36 | 11.5 | 10.7 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS7 | 15:14:23 | 1.0 | Surface | 1 | 1 | 25 | 8.21 | 23.68 | 87.3 | 6.31 | 6.6 | 5.9 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS7 | 15:14:10 | 1.0 | Surface | 1 | 2 | 25.18 | 8.21 | 23.42 | 88 | 6.34 | 6.7 | 5.6 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS7 | 15:13:58 | 2.4 | Bottom | 3 | 1 | 24.95 | 8.2 | 24.22 | 87.9 | 6.34 | 6.9 | 6.3 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS7 | 15:14:17 | 2.4 | Bottom | 3 | 2 | 24.94 | 8.2 | 24.64 | 87.3 | 6.28 | 6.7 | 6.9 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS8 | 15:38:23 | 1.0 | Surface | 1 | 1 | 25.38 | 8.22 | 23.66 | 87 | 6.24 | 5.2 | 6.3 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS8 | 15:38:02 | 1.0 | Surface | 1 | 2 | 25.37 | 8.21 | 23.66 | 86.5 | 6.21 | 5.2 | 7.1 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS8 | 15:37:50 | 2.8 | Bottom | 3 | 1 | 24.87 | 8.2 | 24.02 | 85.4 | 6.17 | 6.4 | 7.3 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS8 | 15:38:10 | 2.8 | Bottom | 3 | 2 | 24.99 | 8.21 | 23.98 | 86.2 | 6.21 | 6.5 | 7.2 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS(Mf)9 | 15:20:48 | 1.0 | Surface | 1 | 1 | 25.23 | 8.2 | 23.53 | 86.5 | 6.23 | 6.7 | 10.8 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS(Mf)9 | 15:20:28 | 1.0 | Surface | 1 | 2 | 25.24 | 8.2 | 23.54 | 86.8 | 6.25 | 6.6 | 10.1 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS(Mf)9 | 15:20:17 | 2.4 | Bottom | 3 | 1 | 25.13 | 8.2 | 23.65 | 86.8 | 6.26 | 7.6 | 7.4 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS(Mf)9 | 15:20:37 | 2.4 | Bottom | 3 | 2 | 25.14 | 8.2 | 23.64 | 86.3 | 6.22 | 7.8 | 7.7 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS10 | 15:50:13 | 1.0 | Surface | 1 | 1 | 25.72 | 8.21 | 21.45 | 96 | 6.93 | 4.1 | 4.5 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS10 | 15:51:14 | 1.0 | Surface | 1 | 2 | 25.8 | 8.22 | 21.4 | 96.1 | 6.94 | 4.3 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS10 | 15:49:54 | 5.8 | Middle | 2 | 1 | 24.78 | 8.17 | 23.61 | 86.8 | 6.3 | 6.1 | 6.2 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS10 | 15:50:56 | 5.8 | Middle | 2 | 2 | 24.88 | 8.15 | 22.78 | 86.8 | 6.31 | 5.9 | 6.7 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS10 | 15:50:38 | 10.5 | Bottom | 3 | 1 | 24.38 | 8.14 | 25.68 | 85.2 | 6.15 | 9.5 | 6.9 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | IS10 | 15:49:35 | 10.5 | Bottom | 3 | 2 | 24.38 | 8.14 | 25.69 | 85.5 | 6.17 | 9.3 | 6.6 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | SR3 | 14:51:34 | 0.7 | Middle | 2 | 1 | 25.76 | 8.26 | 22.6 | 96.9 | 6.95 | 3.4 | 5.5 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | SR3 | 14:51:24 | 0.7 | Middle | 2 | 2 | 25.82 | 8.27 | 22.63 | 97 | 6.95 | 3.5 | 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | SR4 | 15:32:20 | 1.0 | Surface | 1 | 1 | 25.84 | 8.21 | 21.68 | 91 | 6.55 | 3.8 | 5.6 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | SR4 | 15:32:02 | 1.0 | Surface | 1 | 2 | 26.14 | 8.21 | 21.62 | 93.7 | 6.72 | 3.7 | 5.8 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | SR4 | 15:32:13 | 2.7 | Bottom | 3 | 1 | 25.33 | 8.19 | 23.02 | 90.7 | 6.53 | 5.4 | 4.2 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | SR4 | 15:31:43 | 2.7 | Bottom | 3 | 2 | 25.54 | 8.19 | 22.9 | 91.4 | 6.57 | 5.2 | 3.6 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | SR5 | 15:37:35 | 1.0 | Surface | 1 | 1 | 25.62 | 8.21 | 21.62 | 98.5 | 7.12 | 3.5 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | SR5 | 15:36:58 | 1.0 | Surface | 1 | 2 | 25.71 | 8.21 | 21.44 | 98.8 | 7.14 | 3.4 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | SR5 | 15:37:15 | 4.4 | Bottom | 3 | 1 | 24.99 | 8.17 | 22.77 | 95.1 | 6.91 | 3.7 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | SR5 | 15:36:38 | 4.4 | Bottom | 3 | 2 | 24.92 | 8.17 | 23.11 | 95.5 | 6.93 | 3.8 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | SR10A | 16:52:55 | 1.0 | Surface | 1 | 1 | 25.64 | 8.25 | 22.07 | 95.5 | 6.89 | 2.4 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | SR10A | 16:52:24 | 1.0 | Surface | 1 | 2 | 25.6 | 8.25 | 22.2 | 95.3 | 6.87 | 2.4 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | SR10A | 16:52:47 | 3.1 | Middle | 2 | 1 | 25.62 | 8.25 | 22.18 | 95.3 | 6.87 | 2.6 | 5 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | SR10A | 16:52:11 | 3.1 | Middle | 2 | 2 | 25.59 | 8.25 | 22.34 | 94.8 | 6.83 | 2.5 | 6.4 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | SR10A | 16:51:59 | 5.2 | Bottom | 3 | 1 | 25.55 | 8.25 | 22.6 | 94.7 | 6.81 | 2.8 | 7 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | SR10A | 16:52:34 | 5.2 | Bottom | 3 | 2 | 25.6 | 8.25 | 22.28 | 95.2 | 6.86 | 2.7 | 6.8 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | SR10B | 16:59:51 | 1.0 | Surface | 1 | 1 | 25.67 | 8.25 | 22.18 | 96.4 | 6.95 | 2.6 | 5.2 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | SR10B | 16:59:37 | 1.0 | Surface | 1 | 2 | 25.7 | 8.26 | 22.05 | 96.7 | 6.97 | 2.6 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | SR10B | 16:59:44 | 4.0 | Bottom | 3 | 1 | 25.69 | 8.25 | 22.15 | 96.6 | 6.96 | 2.6 | 7.1 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | SR10B | 16:59:28 | 4.0 | Bottom | 3 | 2 | 25.69 | 8.25 | 22.08 | 96.5 | 6.95 | 2.7 | 7.9 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | CS2 | 14:41:22 | 1.0 | Surface | 1 | 1 | 24.79 | 8.16 | 21.95 | 87.2 | 6.39 | 8 | 4.7 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | CS2 | 14:40:49 | 1.0 | Surface | 1 | 2 | 24.81 | 8.14 | 22.86 | 87.6 | 6.37 | 8.2 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | CS2 | 14:41:16 | 4.0 | Middle | 2 | 1 | 24.52 | 8.15 | 24.32 | 85.6 | 6.21 | 9.6 | 3.6 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | CS2 | 14:40:41 | 4.0 | Middle | 2 | 2 | 24.42 | 8.14 | 24.88 | 85.7 | 6.21 | 9.9 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | CS2 | 14:40:32 | 7.0 | Bottom | 3 | 1 | 24.35 | 8.13 | 26.17 | 85.8 | 6.18 | 12.5 | 3.8 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | CS2 | 14:41:04 | 7.0 | Bottom | 3 | 2 | 24.35 | 8.12 | 26.3 | 85.6 | 6.16 | 12.4 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | CS(Mf)5 | 16:16:40 | 1.0 | Surface | 1 | 1 | 25.2 | 8.27 | 21.98 | 87.6 | 6.36 | 9.9 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | CS(Mf)5 | 16:17:19 | 1.0 | Surface | 1 | 2 | 25.46 | 8.27 | 21.76 | 89.8 | 6.5 | 9.5 | 5.7 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | CS(Mf)5 | 16:16:30 | 6.3 | Middle | 2 | 1 | 24.38 | 8.27 | 24.95 | 85.2 | 6.18 | 10.9 | 4.7 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | CS(Mf)5 | 16:17:07 | 6.3 | Middle | 2 | 2 | 24.79 | 8.26 | 24.48 | 85.8 | 6.19 | 10.8 | 5.4 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | CS(Mf)5 | 16:16:22 | 11.6 | Bottom | 3 | 1 | 24.21 | 8.25 | 28.19 | 85.9 | 6.13 | 11.4 | 5.3 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Ebb | Sunny | CS(Mf)5 | 16:16:54 | 11.6 | Bottom | 3 | 2 | 24.28 | 8.24 | 28.12 | 86.2 | 6.15 | 11.6 | 5 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS5 | 09:26:28 | 1.0 | Surface | 1 | 1 | 25.06 | 8.25 | 23.54 | 86.1 | 6.22 | 7 | 5.4 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS5 | 09:27:03 | 1.0 | Surface | 1 | 2 | 25.1 | 8.25 | 23.48 | 86.7 | 6.26 | 6.7 | 5.9 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS5 | 09:26:18 | 4.5 | Middle | 2 | 1 | 24.78 | 8.25 | 24.55 | 84.6 | 6.1 | 8.3 | 5.1 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS5 | 09:26:51 | 4.5 | Middle | 2 | 2 | 24.8 | 8.25 | 24.45 | 85 | 6.13 | 8.2 | 6.9 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS5 | 09:26:42 | 7.9 | Bottom | 3 | 1 | 24.74 | 8.24 | 25.07 | 85.5 | 6.16 | 8.6 | 6.8 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS5 | 09:26:08 | 7.9 | Bottom | 3 | 2 | 24.71 | 8.24 | 25.16 | 85.1 | 6.13 | 8.9 | 5.9 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS(Mf)6 | 09:19:28 | 1.0 | Surface | 1 | 1 | 25.26 | 8.24 | 23.32 | 89.8 | 6.47 | 3.7 | 5.4 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS(Mf)6 | 09:18:58 | 1.0 | Surface | 1 | 2 | 25.2 | 8.24 | 23.38 | 89.6 | 6.46 | 3.7 | 5.9 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS(Mf)6 | 09:18:41 | 2.3 | Bottom | 3 | 1 | 25.04 | 8.24 | 23.59 | 88.8 | 6.41 | 3.9 | 4.3 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS(Mf)6 | 09:19:17 | 2.3 | Bottom | 3 | 2 | 25 | 8.23 | 23.64 | 88.6 | 6.4 | 3.8 | 4 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS7 | 09:12:23 | 1.0 | Surface | 1 | 1 | 25.19 | 8.24 | 23.45 | 89.4 | 6.45 | 3.5 | 6.3 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS7 | 09:11:59 | 1.0 | Surface | 1 | 2 | 25.21 | 8.24 | 23.45 | 89.9 | 6.48 | 3.5 | 6 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS7 | 09:11:45 | 2.5 | Bottom | 3 | 1 | 25.03 | 8.24 | 23.67 | 89 | 6.42 | 3.5 | 9.5 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS7 | 09:12:13 | 2.5 | Bottom | 3 | 2 | 25 | 8.24 | 23.67 | 88.8 | 6.41 | 3.6 | 10.3 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS8 | 08:52:55 | 1.0 | Surface | 1 | 1 | 25.12 | 8.2 | 21.6 | 86.5 | 6.31 | 5.3 | 10.2 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS8 | 08:52:36 | 1.0 | Surface | 1 | 2 | 25.13 | 8.2 | 21.58 | 86.5 | 6.31 | 5.3 | 10.2 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS8 | 08:52:45 | 3.1 | Bottom | 3 | 1 | 25.11 | 8.2 | 21.69 | 86.3 | 6.29 | 7.4 | 6.8 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS8 | 08:52:26 | 3.1 | Bottom | 3 | 2 | 25.11 | 8.2 | 21.77 | 86.3 | 6.29 | 7.6 | 6.7 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS(Mf)9 | 09:06:15 | 1.0 | Surface | 1 | 1 | 24.92 | 8.23 | 23.77 | 85.3 | 6.16 | 4.3 | 5.9 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS(Mf)9 | 09:05:55 | 1.0 | Surface | 1 | 2 | 24.92 | 8.23 | 23.74 | 85.4 | 6.17 | 4.1 | 5.2 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS(Mf)9 | 09:06:04 | 2.6 | Bottom | 3 | 1 | 24.87 | 8.22 | 24 | 85.1 | 6.15 | 5.2 | 4 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS(Mf)9 | 09:05:44 | 2.6 | Bottom | 3 | 2 | 24.87 | 8.22 | 24.04 | 85.2 | 6.15 | 5.5 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS10 | 08:51:18 | 1.0 | Surface | 1 | 1 | 25.02 | 8.12 | 23.23 | 86.1 | 6.23 | 11.8 | 6.5 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS10 | 08:50:45 | 1.0 | Surface | 1 | 2 | 25.02 | 8.12 | 23.23 | 86.1 | 6.23 | 11.5 | 7.7 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS10 | 08:51:11 | 5.8 | Middle | 2 | 1 | 24.84 | 8.13 | 23.65 | 84.9 | 6.15 | 12.1 | 6.9 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS10 | 08:50:38 | 5.8 | Middle | 2 | 2 | 24.87 | 8.12 | 23.54 | 84.9 | 6.15 | 11.9 | 6.6 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS10 | 08:51:03 | 10.5 | Bottom | 3 | 1 | 24.7 | 8.12 | 24.78 | 84.8 | 6.12 | 12.9 | 6.7 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | IS10 | 08:50:28 | 10.5 | Bottom | 3 | 2 | 24.69 | 8.12 | 24.79 | 84.8 | 6.12 | 12.6 | 7.2 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | SR3 | 09:32:51 | 0.7 | Middle | 2 | 1 | 25.15 | 8.24 | 23.39 | 89.1 | 6.43 | 5.7 | 7.6 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | SR3 | 09:32:42 | 0.7 | Middle | 2 | 2 | 25.14 | 8.24 | 23.39 | 89.1 | 6.43 | 5.6 | 6.2 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | SR4 | 08:58:49 | 1.0 | Surface | 1 | 1 | 25.09 | 8.22 | 21.47 | 85.9 | 6.27 | 8.2 | 2.7 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | SR4 | 08:58:12 | 1.0 | Surface | 1 | 2 | 24.92 | 8.22 | 22.27 | 85.4 | 6.23 | 8.3 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | SR4 | 08:57:58 | 2.8 | Bottom | 3 | 1 | 24.78 | 8.22 | 23.93 | 85 | 6.15 | 8.2 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | SR4 | 08:58:35 | 2.8 | Bottom | 3 | 2 | 24.77 | 8.22 | 23.93 | 84.5 | 6.12 | 8 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | SR5 | 08:58:04 | 1.0 | Surface | 1 | 1 | 24.83 | 8.12 | 23.55 | 85.5 | 6.2 | 14.6 | 7.9 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | SR5 | 08:57:51 | 1.0 | Surface | 1 | 2 | 24.81 | 8.12 | 23.48 | 85.5 | 6.2 | 14.5 | 7.7 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | SR5 | 08:57:44 | 4.6 | Bottom | 3 | 1 | 24.85 | 8.12 | 24.58 | 85.6 | 6.17 | 15 | 6.5 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | SR5 | 08:57:58 | 4.6 | Bottom | 3 | 2 | 24.9 | 8.12 | 24.58 | 85.6 | 6.16 | 14.9 | 7.2 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | SR10A | 07:49:20 | 1.0 | Surface | 1 | 1 | 24.81 | 8.25 | 24.36 | 88.9 | 6.42 | 2.2 | 4 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | SR10A | 07:49:55 | 1.0 | Surface | 1 | 2 | 24.79 | 8.25 | 24.43 | 88.5 | 6.39 | 2.2 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | SR10A | 07:49:45 | 3.3 | Middle | 2 | 1 | 24.65 | 8.26 | 24.91 | 87.9 | 6.34 | 2.2 | 4.6 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | SR10A | 07:49:07 | 3.3 | Middle | 2 | 2 | 24.7 | 8.25 | 24.79 | 88.3 | 6.37 | 2.2 | 4.6 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | SR10A | 07:48:52 | 5.5 | Bottom | 3 | 1 | 24.54 | 8.24 | 26.28 | 88.2 | 6.33 | 2.3 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | SR10A | 07:49:34 | 5.5 | Bottom | 3 | 2 | 24.51 | 8.25 | 26.5 | 87.9 | 6.3 | 2.4 | 4.2 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | SR10B | 07:44:57 | 1.0 | Surface | 1 | 1 | 24.4 | 8.25 | 26.25 | 88 | 6.33 | 2.4 | 6.1 | |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | SR10B | 07:44:41 | 1.0 | Surface | 1 | 2 | 24.43 | 8.25 | 26.16 | 88.2 | 6.34 | 2.4 | 5.2 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | SR10B | 07:44:31 | 3.8 | Bottom | 3 | 1 | 24.36 | 8.25 | 26.56 | 88 | 6.33 | 2.3 | 4.6 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | SR10B | 07:44:50 | 3.8 | Bottom | 3 | 2 | 24.37 | 8.25 | 26.55 | 87.9 | 6.32 | 2.4 | 4.8 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | CS2 | 09:56:03 | 1.0 | Surface | 1 | 1 | 24.91 | 8.1 | 22.14 | 84.1 | 6.13 | 7.4 | 5.6 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | CS2 | 09:55:41 | 1.0 | Surface | 1 | 2 | 24.94 | 8.1 | 21.92 | 84.1 | 6.14 | 7.2 | 5.5 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | CS2 | 09:55:36 | 4.1 | Middle | 2 | 1 | 24.74 | 8.11 | 22.96 | 83.4 | 6.08 | 7.4 | 4.6 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | CS2 | 09:55:56 | 4.1 | Middle | 2 | 2 | 24.58 | 8.13 | 23.25 | 83.4 | 6.08 | 7.6 | 5.6 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | CS2 | 09:55:51 | 7.1 | Bottom | 3 | 1 | 24.83 | 8.1 | 26.17 | 83.3 | 5.95 | 8.2 | 5.5 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | CS2 | 09:55:28 | 7.1 | Bottom | 3 | 2 | 24.48 | 8.11 | 26.26 | 82.8 | 5.95 | 7.9 | 5.9 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | CS(Mf)5 | 08:18:44 | 1.0 | Surface | 1 | 1 | 25.09 | 8.25 | 21.24 | 86.8 | 6.35 | 3.6 | 5.5 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | CS(Mf)5 | 08:19:24 | 1.0 | Surface | 1 | 2 | 24.9 | 8.27 | 21.56 | 86.3 | 6.32 | 3.7 | 4.2 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | CS(Mf)5 | 08:18:30 | 6.3 | Middle | 2 | 1 | 24.3 | 8.29 | 25.13 | 85.6 | 6.21 | 4.7 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | CS(Mf)5 | 08:19:13 | 6.3 | Middle | 2 | 2 | 24.08 | 8.3 | 25.77 | 85.4 | 6.19 | 4.7 | 4.8 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | CS(Mf)5 | 08:18:19 | 11.6 | Bottom | 3 | 1 | 23.94 | 8.25 | 29.44 | 84.6 | 6.02 | 5.4 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-15 | Mid-Flood | Sunny | CS(Mf)5 | 08:19:02 | 11.6 | Bottom | 3 | 2 | 23.77 | 8.27 | 29.59 | 84.5 | 6.03 | 5.5 | 4.8 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS5 | 16:34:02 | 1.0 | Surface | 1 | 1 | 26.29 | 8.37 | 18.64 | 101.6 | 7.39 | 5.2 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS5 | 16:34:56 | 1.0 | Surface | 1 | 2 | 26.45 | 8.39 | 18.4 | 102.8 | 7.46 | 5.1 | 3.6 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS5 | 16:33:43 | 4.6 | Middle | 2 | 1 | 24.32 | 8.3 | 25.35 | 87.4 | 6.33 | 9.2 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS5 | 16:34:39 | 4.6 | Middle | 2 | 2 | 24.68 | 8.3 | 23.42 | 86.6 | 6.3 | 9.6 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS5 | 16:33:34 | 8.1 | Bottom | 3 | 1 | 24.12 | 8.29 | 27.34 | 90.8 | 6.53 | 9.5 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS5 | 16:34:25 | 8.1 | Bottom | 3 | 2 | 24.11 | 8.29 | 27.34 | 88.3 | 6.35 | 9.5 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS(Mf)6 | 16:44:29 | 1.0 | Surface | 1 | 1 | 26.05 | 8.32 | 16.82 | 105.6 | 7.78 | 3.4 | 1.8 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS(Mf)6 | 16:44:05 | 1.0 | Surface | 1 | 2 | 26.05 | 8.31 | 16.83 | 104.5 | 7.7 | 3.4 | 1.9 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS(Mf)6 | 16:43:53 | 2.3 | Bottom | 3 | 1 | 26.02 | 8.29 | 18.14 | 104.9 | 7.68 | 4.2 | 2.5 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS(Mf)6 | 16:44:13 | 2.3 | Bottom | 3 | 2 | 26.03 | 8.29 | 18.1 | 104.5 | 7.65 | 4.2 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS7 | 16:51:06 | 1.0 | Surface | 1 | 1 | 25.84 | 8.24 | 17.87 | 98.5 | 7.24 | 6.8 | 2.5 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS7 | 16:50:50 | 1.0 | Surface | 1 | 2 | 25.85 | 8.24 | 18.2 | 103.4 | 7.58 | 6.6 | 3.8 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS7 | 16:50:28 | 2.3 | Bottom | 3 | 1 | 25.59 | 8.22 | 20.13 | 91.7 | 6.75 | 7.8 | 2.9 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS7 | 16:50:57 | 2.3 | Bottom | 3 | 2 | 25.68 | 8.21 | 19.99 | 92 | 6.71 | 7.5 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS8 | 17:23:08 | 1.0 | Surface | 1 | 1 | 26.25 | 8.25 | 17.65 | 90.5 | 6.62 | 3.5 | 2.9 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS8 | 17:23:28 | 1.0 | Surface | 1 | 2 | 26.22 | 8.26 | 17.67 | 91.6 | 6.7 | 3.5 | 2.8 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS8 | 17:23:18 | 2.7 | Bottom | 3 | 1 | 25.81 | 8.21 | 21.47 | 90.6 | 6.53 | 4.7 | 2.7 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS8 | 17:22:57 | 2.7 | Bottom | 3 | 2 | 25.68 | 8.2 | 21.6 | 87.3 | 6.3 | 4.5 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS(Mf)9 | 16:58:40 | 1.0 | Surface | 1 | 1 | 26.26 | 8.31 | 16.86 | 94.1 | 6.86 | 3.7 | 4 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS(Mf)9 | 16:58:05 | 1.0 | Surface | 1 | 2 | 25.88 | 8.25 | 17.42 | 92.9 | 6.85 | 3.8 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS(Mf)9 | 16:58:27 | 2.7 | Bottom | 3 | 1 | 25.75 | 8.21 | 20.01 | 91.6 | 6.67 | 5.6 | 3.7 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS(Mf)9 | 16:57:44 | 2.7 | Bottom | 3 | 2 | 25.47 | 8.2 | 22.12 | 91.5 | 6.61 | 5.2 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS10 | 17:38:25 | 1.0 | Surface | 1 | 1 | 25.55 | 8.2 | 20.38 | 88.4 | 6.49 | 4.4 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS10 | 17:39:43 | 1.0 | Surface | 1 | 2 | 25.54 | 8.21 | 20.36 | 89.5 | 6.54 | 4.2 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS10 | 17:39:23 | 4.8 | Middle | 2 | 1 | 24.78 | 8.18 | 24.13 | 83.8 | 6.05 | 5.8 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS10 | 17:38:05 | 4.8 | Middle | 2 | 2 | 24.76 | 8.17 | 24.21 | 83 | 6 | 5.7 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS10 | 17:39:02 | 8.6 | Bottom | 3 | 1 | 24.18 | 8.21 | 28.14 | 83.2 | 5.93 | 6.5 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | IS10 | 17:37:43 | 8.6 | Bottom | 3 | 2 | 24.28 | 8.19 | 28.09 | 82.2 | 5.87 | 6.4 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | SR3 | 16:23:21 | 0.9 | Middle | 2 | 1 | 26.54 | 8.4 | 18.35 | 117.3 | 8.5 | 3.1 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | SR3 | 16:23:30 | 0.9 | Middle | 2 | 2 | 26.52 | 8.4 | 18.34 | 117.2 | 8.5 | 3.1 | 4 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | SR4 | 17:17:56 | 1.0 | Surface | 1 | 1 | 26.25 | 8.23 | 17.78 | 92.8 | 6.78 | 2.9 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | SR4 | 17:18:21 | 1.0 | Surface | 1 | 2 | 26.19 | 8.23 | 17.82 | 92.7 | 6.78 | 2.9 | 2.4 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | SR4 | 17:17:43 | 2.8 | Bottom | 3 | 1 | 25.97 | 8.22 | 18.97 | 91.7 | 6.69 | 3.8 | 3.8 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | SR4 | 17:18:06 | 2.8 | Bottom | 3 | 2 | 25.89 | 8.21 | 19.24 | 91.4 | 6.67 | 3.8 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | SR5 | 17:25:21 | 1.0 | Surface | 1 | 1 | 25.73 | 8.19 | 19.23 | 90.9 | 6.64 | 3.9 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | SR5 | 17:26:07 | 1.0 | Surface | 1 | 2 | 25.71 | 8.18 | 19.25 | 91.3 | 6.67 | 4.2 | 4.7 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | SR5 | 17:25:02 | 4.3 | Bottom | 3 | 1 | 25.21 | 8.14 | 22.33 | 85 | 6.13 | 3.6 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | SR5 | 17:25:44 | 4.3 | Bottom | 3 | 2 | 25.27 | 8.12 | 22.35 | 85.4 | 6.19 | 3.5 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | SR10A | 18:33:07 | 1.0 | Surface | 1 | 1 | 25.92 | 8.34 | 19.04 | 103.7 | 7.57 | 1.6 | 1.4 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | SR10A | 18:33:40 | 1.0 | Surface | 1 | 2 | 25.96 | 8.35 | 18.92 | 103.9 | 7.58 | 1.5 | 1.1 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | SR10A | 18:33:28 | 3.3 | Middle | 2 | 1 | 25.82 | 8.34 | 19.18 | 102.3 | 7.47 | 1.5 | 1.8 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | SR10A | 18:32:55 | 3.3 | Middle | 2 | 2 | 25.81 | 8.34 | 19.35 | 102.6 | 7.49 | 1.5 | 1.4 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | SR10A | 18:33:18 | 5.6 | Bottom | 3 | 1 | 25.63 | 8.32 | 20.86 | 102.4 | 7.43 | 1.5 | 2.1 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | SR10A | 18:32:43 | 5.6 | Bottom | 3 | 2 | 25.74 | 8.33 | 20.46 | 102.9 | 7.47 | 1.5 | 3.6 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | SR10B | 18:43:16 | 1.0 | Surface | 1 | 1 | 25.97 | 8.35 | 18.8 | 103.4 | 7.55 | 1.4 | 1.6 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | SR10B | 18:42:55 | 1.0 | Surface | 1 | 2 | 25.92 | 8.35 | 18.91 | 103.3 | 7.55 | 1.5 | 1.7 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | SR10B | 18:43:05 | 4.1 | Bottom | 3 | 1 | 25.76 | 8.33 | 20.2 | 102.9 | 7.48 | 1.5 | 2.1 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | SR10B | 18:42:42 | 4.1 | Bottom | 3 | 2 | 25.68 | 8.33 | 20.61 | 102.9 | 7.48 | 1.5 | 2.5 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | CS2 | 16:17:17 | 1.0 | Surface | 1 | 1 | 26.33 | 8.19 | 18.01 | 90.2 | 6.57 | 4.4 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | CS2 | 16:18:31 | 1.0 | Surface | 1 | 2 | 26.34 | 8.2 | 18.03 | 89.7 | 6.53 | 4.2 | 3.8 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | CS2 | 16:16:52 | 3.9 | Middle | 2 | 1 | 25.05 | 8.11 | 23.17 | 83 | 6 | 5.7 | 5.8 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | CS2 | 16:18:06 | 3.9 | Middle | 2 | 2 | 25.01 | 8.12 | 23.16 | 83.3 | 6.04 | 5.4 | 5.7 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | CS2 | 16:17:48 | 6.8 | Bottom | 3 | 1 | 24.36 | 8.12 | 26.79 | 83.2 | 5.96 | 6.7 | 5.1 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | CS2 | 16:16:28 | 6.8 | Bottom | 3 | 2 | 24.37 | 8.11 | 26.75 | 83.5 | 5.99 | 6.6 | 5.8 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | CS(Mf)5 | 17:55:31 | 1.0 | Surface | 1 | 1 | 26.35 | 8.42 | 18.13 | 97.1 | 7.07 | 2.5 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | CS(Mf)5 | 17:54:52 | 1.0 | Surface | 1 | 2 | 26.29 | 8.43 | 18.22 | 98.9 | 7.2 | 2.6 | 2.8 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | CS(Mf)5 | 17:54:39 | 6.1 | Middle | 2 | 1 | 24.43 | 8.34 | 26.26 | 89.9 | 6.46 | 2.5 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | CS(Mf)5 | 17:55:19 | 6.1 | Middle | 2 | 2 | 24.17 | 8.35 | 26.42 | 90.7 | 6.54 | 2.6 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | CS(Mf)5 | 17:55:09 | 11.2 | Bottom | 3 | 1 | 23.84 | 8.33 | 30.53 | 93.7 | 6.64 | 3.2 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Ebb | Cloudy | CS(Mf)5 | 17:54:27 | 11.2 | Bottom | 3 | 2 | 23.91 | 8.32 | 30.4 | 92.5 | 6.56 | 3 | 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 | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS5 | 11:01:28 | 1.0 | Surface | 1 | 1 | 25.78 | 8.3 | 17.02 | 90.2 | 6.67 | 5.2 | 2.4 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS5 | 11:02:03 | 1.0 | Surface | 1 | 2 | 25.71 | 8.31 | 16.95 | 88.6 | 6.57 | 5.5 | 2.2 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS5 | 11:01:53 | 4.7 | Middle | 2 | 1 | 25.11 | 8.28 | 22.47 | 85.8 | 6.23 | 8.1 | 2.8 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS5 | 11:01:15 | 4.7 | Middle | 2 | 2 | 24.95 | 8.28 | 23.44 | 85.7 | 6.2 | 8.1 | 2.5 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS5 | 11:01:41 | 8.4 | Bottom | 3 | 1 | 24.32 | 8.26 | 26.77 | 87.7 | 6.3 | 8.2 | 4 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS5 | 11:01:01 | 8.4 | Bottom | 3 | 2 | 24.32 | 8.24 | 26.8 | 89.9 | 6.46 | 8.3 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS(Mf)6 | 10:54:00 | 1.0 | Surface | 1 | 1 | 25.89 | 8.3 | 16.46 | 102.6 | 7.6 | 2.3 | 3.7 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS(Mf)6 | 10:53:42 | 1.0 | Surface | 1 | 2 | 25.89 | 8.3 | 16.5 | 102.3 | 7.57 | 2.3 | 2.5 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS(Mf)6 | 10:53:32 | 2.2 | Bottom | 3 | 1 | 25.9 | 8.3 | 16.62 | 101.9 | 7.54 | 2.4 | 2.2 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS(Mf)6 | 10:53:49 | 2.2 | Bottom | 3 | 2 | 25.89 | 8.3 | 16.6 | 102.2 | 7.57 | 2.4 | 2.1 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS7 | 10:47:22 | 1.0 | Surface | 1 | 1 | 25.81 | 8.26 | 16.93 | 96.9 | 7.17 | 2.2 | 3.7 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS7 | 10:47:07 | 1.0 | Surface | 1 | 2 | 25.81 | 8.26 | 16.91 | 97 | 7.18 | 2.2 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS7 | 10:46:56 | 2.4 | Bottom | 3 | 1 | 25.79 | 8.26 | 17.02 | 96.8 | 7.16 | 2.1 | 2.5 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS7 | 10:47:13 | 2.4 | Bottom | 3 | 2 | 25.79 | 8.26 | 17.04 | 96.9 | 7.17 | 2.1 | 2.1 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS8 | 10:23:51 | 1.0 | Surface | 1 | 1 | 25.7 | 8.22 | 17.28 | 89.8 | 6.64 | 2.6 | 2.1 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS8 | 10:24:42 | 1.0 | Surface | 1 | 2 | 25.7 | 8.23 | 17.38 | 89.4 | 6.61 | 2.6 | 3.8 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS8 | 10:23:37 | 3.1 | Bottom | 3 | 1 | 25.7 | 8.21 | 19.75 | 89.3 | 6.51 | 2.6 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS8 | 10:24:29 | 3.1 | Bottom | 3 | 2 | 25.68 | 8.22 | 20.03 | 88.7 | 6.47 | 2.7 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS(Mf)9 | 10:41:17 | 1.0 | Surface | 1 | 1 | 25.73 | 8.22 | 17.84 | 90.9 | 6.7 | 2.5 | 4 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS(Mf)9 | 10:41:45 | 1.0 | Surface | 1 | 2 | 25.73 | 8.23 | 17.58 | 90.8 | 6.7 | 2.4 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS(Mf)9 | 10:41:02 | 2.6 | Bottom | 3 | 1 | 25.73 | 8.22 | 18.89 | 90.7 | 6.65 | 2.4 | 2.2 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS(Mf)9 | 10:41:30 | 2.6 | Bottom | 3 | 2 | 25.74 | 8.22 | 18.8 | 90.6 | 6.64 | 2.3 | 2.8 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS10 | 10:18:44 | 1.0 | Surface | 1 | 1 | 25.69 | 8.17 | 18.71 | 88.9 | 6.55 | 7.7 | 2.5 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS10 | 10:17:30 | 1.0 | Surface | 1 | 2 | 25.73 | 8.17 | 18.73 | 88.2 | 6.51 | 7.9 | 3 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS10 | 10:17:08 | 5.5 | Middle | 2 | 1 | 24.99 | 8.15 | 23.12 | 83 | 6.03 | 9.4 | 5.1 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS10 | 10:18:26 | 5.5 | Middle | 2 | 2 | 24.96 | 8.15 | 23.17 | 83.1 | 6.02 | 9.6 | 5.8 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS10 | 10:18:09 | 10.0 | Bottom | 3 | 1 | 24.02 | 8.21 | 29.28 | 82.3 | 5.86 | 10.4 | 5.5 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | IS10 | 10:16:54 | 10.0 | Bottom | 3 | 2 | 24.03 | 8.2 | 29.34 | 82.3 | 5.86 | 10.5 | 5.1 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | SR3 | 11:09:09 | 0.7 | Middle | 2 | 1 | 25.89 | 8.28 | 16.79 | 98.2 | 7.26 | 1.8 | 6.4 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | SR3 | 11:09:00 | 0.7 | Middle | 2 | 2 | 25.9 | 8.28 | 16.73 | 98.1 | 7.25 | 1.9 | 6 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | SR4 | 10:31:37 | 1.0 | Surface | 1 | 1 | 25.73 | 8.2 | 17.4 | 89.1 | 6.58 | 3.5 | 3.6 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | SR4 | 10:32:04 | 1.0 | Surface | 1 | 2 | 25.69 | 8.21 | 17.67 | 88.5 | 6.54 | 3.4 | 4.3 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | SR4 | 10:31:20 | 2.9 | Bottom | 3 | 1 | 25.67 | 8.19 | 18.42 | 89.3 | 6.56 | 3.5 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | SR4 | 10:31:51 | 2.9 | Bottom | 3 | 2 | 25.65 | 8.2 | 18.43 | 88.5 | 6.51 | 3.6 | 3.8 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | SR5 | 10:26:18 | 1.0 | Surface | 1 | 1 | 25.71 | 8.17 | 17.86 | 88.9 | 6.55 | 8 | 4.2 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | SR5 | 10:27:05 | 1.0 | Surface | 1 | 2 | 25.66 | 8.16 | 17.88 | 87.7 | 6.48 | 7.8 | 5.4 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | SR5 | 10:25:57 | 4.4 | Bottom | 3 | 1 | 25.08 | 8.14 | 22.87 | 86.3 | 6.25 | 6.5 | 5.7 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | SR5 | 10:26:41 | 4.4 | Bottom | 3 | 2 | 25.09 | 8.14 | 22.85 | 86.3 | 6.25 | 6.8 | 5.2 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | SR10A | 09:22:23 | 1.0 | Surface | 1 | 1 | 25.53 | 8.3 | 18.17 | 92.4 | 6.82 | 1.6 | 4.7 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | SR10A | 09:21:49 | 1.0 | Surface | 1 | 2 | 25.38 | 8.3 | 18.37 | 91 | 6.73 | 1.6 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | SR10A | 09:22:12 | 3.2 | Middle | 2 | 1 | 24.98 | 8.28 | 22.94 | 89.8 | 6.52 | 1.6 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | SR10A | 09:21:41 | 3.2 | Middle | 2 | 2 | 25.02 | 8.28 | 22.88 | 90.1 | 6.54 | 1.7 | 4 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | SR10A | 09:21:30 | 5.3 | Bottom | 3 | 1 | 25.03 | 8.26 | 24.33 | 91.1 | 6.55 | 1.6 | 6.9 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | SR10A | 09:22:01 | 5.3 | Bottom | 3 | 2 | 25 | 8.25 | 24.71 | 90.5 | 6.5 | 1.6 | 6.3 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | SR10B | 09:16:53 | 1.0 | Surface | 1 | 1 | 25.17 | 8.3 | 20.83 | 91.7 | 6.71 | 1.5 | 1.3 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | SR10B | 09:17:22 | 1.0 | Surface | 1 | 2 | 25.08 | 8.29 | 21.71 | 91.5 | 6.67 | 1.6 | 1.6 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | SR10B | 09:17:13 | 4.2 | Bottom | 3 | 1 | 25.02 | 8.28 | 22.74 | 91.6 | 6.65 | 1.5 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | SR10B | 09:16:42 | 4.2 | Bottom | 3 | 2 | 25 | 8.27 | 23.87 | 91.7 | 6.61 | 1.5 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | CS2 | 11:32:34 | 1.0 | Surface | 1 | 1 | 25.67 | 8.15 | 17.41 | 87.4 | 6.45 | 7.8 | 2.8 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | CS2 | 11:31:21 | 1.0 | Surface | 1 | 2 | 25.66 | 8.16 | 17.38 | 86.5 | 6.39 | 7.7 | 3 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | CS2 | 11:31:00 | 4.0 | Middle | 2 | 1 | 25.1 | 8.16 | 21.91 | 84 | 6.11 | 8.3 | 6.8 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | CS2 | 11:32:09 | 4.0 | Middle | 2 | 2 | 25.14 | 8.16 | 21.87 | 83.9 | 6.12 | 8.5 | 6.3 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | CS2 | 11:31:48 | 7.0 | Bottom | 3 | 1 | 24.45 | 8.16 | 27.03 | 84.1 | 6.02 | 9.2 | 6.2 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | CS2 | 11:30:36 | 7.0 | Bottom | 3 | 2 | 24.48 | 8.17 | 27.08 | 84.9 | 6.07 | 8.9 | 7.7 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | CS(Mf)5 | 09:51:11 | 1.0 | Surface | 1 | 1 | 25.64 | 8.35 | 17.07 | 89.4 | 6.63 | 2.5 | 5.4 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | CS(Mf)5 | 09:50:32 | 1.0 | Surface | 1 | 2 | 25.51 | 8.32 | 17.02 | 89.8 | 6.68 | 2.5 | 4.3 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | CS(Mf)5 | 09:51:00 | 6.2 | Middle | 2 | 1 | 23.87 | 8.36 | 27.61 | 87.7 | 6.32 | 2.8 | 5.6 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | CS(Mf)5 | 09:50:20 | 6.2 | Middle | 2 | 2 | 24.39 | 8.34 | 26.83 | 87.7 | 6.29 | 2.9 | 5.5 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | CS(Mf)5 | 09:50:52 | 11.4 | Bottom | 3 | 1 | 23.58 | 8.33 | 31.51 | 87.1 | 6.17 | 3.4 | 5.6 | |
| HKLR | HY/2011/03 | 2013-05-17 | Mid-Flood | Rainy | CS(Mf)5 | 09:50:03 | 11.4 | Bottom | 3 | 2 | 23.61 | 8.31 | 31.49 | 87.3 | 6.18 | 3.3 | 5.5 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS5 | 10:23:45 | 1.0 | Surface | 1 | 1 | 27.88 | 8.47 | 12.34 | 92 | 6.74 | 5.8 | 3 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS5 | 10:24:26 | 1.0 | Surface | 1 | 2 | 27.85 | 8.46 | 12.75 | 91.5 | 6.69 | 6 | 3.6 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS5 | 10:23:31 | 4.3 | Middle | 2 | 1 | 24.33 | 8.31 | 26.83 | 84.6 | 6.06 | 8.4 | 2.4 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS5 | 10:24:13 | 4.3 | Middle | 2 | 2 | 24.29 | 8.31 | 27 | 84.5 | 6.06 | 8.5 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS5 | 10:24:02 | 7.6 | Bottom | 3 | 1 | 24.15 | 8.3 | 27.69 | 79.8 | 5.73 | 9.5 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS5 | 10:23:20 | 7.6 | Bottom | 3 | 2 | 24.16 | 8.3 | 27.66 | 79.9 | 5.74 | 9.3 | 4.2 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS(Mf)6 | 10:14:46 | 1.0 | Surface | 1 | 1 | 27.87 | 8.46 | 12.92 | 113.5 | 8.29 | 2.9 | 2.9 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS(Mf)6 | 10:15:09 | 1.0 | Surface | 1 | 2 | 27.8 | 8.45 | 12.94 | 109.8 | 8.03 | 2.8 | 3 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS(Mf)6 | 10:14:57 | 2.1 | Bottom | 3 | 1 | 26.8 | 8.38 | 15.96 | 107.8 | 7.88 | 3.6 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS(Mf)6 | 10:14:36 | 2.1 | Bottom | 3 | 2 | 27.44 | 8.42 | 15.4 | 113 | 8.19 | 3.5 | 4 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS7 | 10:08:39 | 1.0 | Surface | 1 | 1 | 27.58 | 8.45 | 13.06 | 109.8 | 8.05 | 8.4 | 2.8 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS7 | 10:08:19 | 1.0 | Surface | 1 | 2 | 27.5 | 8.45 | 13.2 | 111.9 | 8.21 | 8.6 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS7 | 10:08:30 | 2.5 | Bottom | 3 | 1 | 27.19 | 8.38 | 16.02 | 109.1 | 7.92 | 8.5 | 4.8 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS7 | 10:08:11 | 2.5 | Bottom | 3 | 2 | 27.36 | 8.41 | 16.3 | 113.9 | 8.24 | 8.5 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS8 | 09:43:14 | 1.0 | Surface | 1 | 1 | 27.4 | 8.41 | 13.31 | 107.6 | 7.9 | 3.4 | 2.8 | |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS8 | 09:43:32 | 1.0 | Surface | 1 | 2 | 27.4 | 8.42 | 13.62 | 108.6 | 7.96 | 3.5 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS8 | 09:43:06 | 2.9 | Bottom | 3 | 1 | 27.27 | 8.39 | 15.47 | 106.8 | 7.77 | 3.4 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS8 | 09:43:23 | 2.9 | Bottom | 3 | 2 | 27.29 | 8.39 | 15.37 | 108 | 7.86 | 3.5 | 2.5 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS(Mf)9 | 10:01:33 | 1.0 | Surface | 1 | 1 | 27.49 | 8.42 | 13.54 | 104.9 | 7.68 | 5.4 | 3 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS(Mf)9 | 10:01:56 | 1.0 | Surface | 1 | 2 | 27.55 | 8.41 | 14.72 | 107.2 | 7.79 | 5.7 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS(Mf)9 | 10:01:22 | 2.7 | Bottom | 3 | 1 | 27.01 | 8.36 | 16.16 | 102.5 | 7.46 | 5.6 | 3.6 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS(Mf)9 | 10:01:44 | 2.7 | Bottom | 3 | 2 | 27.18 | 8.37 | 16.08 | 105.7 | 7.67 | 5.8 | 3 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS10 | 09:37:24 | 1.0 | Surface | 1 | 1 | 26.35 | 8.18 | 16.58 | 85.3 | 6.27 | 6.1 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS10 | 09:36:26 | 1.0 | Surface | 1 | 2 | 25.86 | 8.19 | 17.13 | 81.9 | 6.04 | 6 | 4.3 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS10 | 09:36:19 | 5.6 | Middle | 2 | 1 | 25.28 | 8.18 | 20.3 | 80 | 5.86 | 6 | 4.6 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS10 | 09:37:08 | 5.6 | Middle | 2 | 2 | 25.59 | 8.18 | 20.37 | 79.8 | 5.82 | 6.3 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS10 | 09:36:52 | 10.2 | Bottom | 3 | 1 | 24.91 | 8.15 | 24.82 | 78.7 | 5.66 | 6.5 | 3.7 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | IS10 | 09:36:12 | 10.2 | Bottom | 3 | 2 | 25.01 | 8.14 | 25.39 | 81.1 | 5.8 | 6.4 | 4.5 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | SR3 | 10:31:07 | 0.7 | Middle | 2 | 1 | 27.94 | 8.46 | 12.25 | 109.2 | 7.99 | 2.8 | 3 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | SR3 | 10:31:14 | 0.7 | Middle | 2 | 2 | 27.96 | 8.46 | 12.18 | 109.6 | 8.02 | 2.6 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | SR4 | 09:50:24 | 1.0 | Surface | 1 | 1 | 27.81 | 8.32 | 13.06 | 95.5 | 6.98 | 4.2 | 8.8 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | SR4 | 09:49:57 | 1.0 | Surface | 1 | 2 | 27.81 | 8.33 | 13.1 | 98.8 | 7.21 | 4.2 | 8.7 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | SR4 | 09:50:15 | 2.9 | Bottom | 3 | 1 | 27.85 | 8.28 | 15.38 | 96.2 | 6.93 | 4.3 | 9.5 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | SR4 | 09:49:47 | 2.9 | Bottom | 3 | 2 | 28.03 | 8.3 | 15.09 | 99.8 | 7.18 | 4.3 | 10.6 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | SR5 | 09:41:57 | 1.0 | Surface | 1 | 1 | 25.99 | 8.19 | 16.64 | 82.8 | 6.11 | 5.7 | 3.6 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | SR5 | 09:41:39 | 1.0 | Surface | 1 | 2 | 26.33 | 8.19 | 16.51 | 80.1 | 5.89 | 6 | 4.5 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | SR5 | 09:41:24 | 4.1 | Bottom | 3 | 1 | 25.06 | 8.16 | 23.86 | 79.2 | 5.71 | 6.3 | 5.4 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | SR5 | 09:41:48 | 4.1 | Bottom | 3 | 2 | 25.67 | 8.15 | 23.76 | 81.6 | 5.82 | 6 | 4.5 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | SR10A | 08:30:38 | 1.0 | Surface | 1 | 1 | 27.18 | 8.39 | 13.55 | 102.4 | 7.54 | 2.3 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | SR10A | 08:31:09 | 1.0 | Surface | 1 | 2 | 27.14 | 8.39 | 13.93 | 102.5 | 7.53 | 2.2 | 2.5 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | SR10A | 08:31:00 | 3.3 | Middle | 2 | 1 | 26.9 | 8.37 | 16.01 | 101.4 | 7.4 | 2.2 | 2.7 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | SR10A | 08:30:26 | 3.3 | Middle | 2 | 2 | 27.14 | 8.35 | 15.73 | 100.4 | 7.31 | 2.3 | 2.2 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | SR10A | 08:29:22 | 5.5 | Bottom | 3 | 1 | 26.92 | 8.36 | 16.37 | 102.5 | 7.46 | 2.2 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | SR10A | 08:30:52 | 5.5 | Bottom | 3 | 2 | 26.82 | 8.36 | 16.56 | 101.6 | 7.4 | 2.2 | 2.5 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | SR10B | 08:22:48 | 1.0 | Surface | 1 | 1 | 26.4 | 8.37 | 18.4 | 99 | 7.19 | 2.6 | 2.2 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | SR10B | 08:22:28 | 1.0 | Surface | 1 | 2 | 26.36 | 8.36 | 18.62 | 98.7 | 7.17 | 2.5 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | SR10B | 08:22:21 | 3.8 | Bottom | 3 | 1 | 26.35 | 8.36 | 18.77 | 98.6 | 7.15 | 2.6 | 2.7 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | SR10B | 08:22:36 | 3.8 | Bottom | 3 | 2 | 26.36 | 8.36 | 18.72 | 98.6 | 7.15 | 2.5 | 3 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | CS2 | 10:56:31 | 1.0 | Surface | 1 | 1 | 26.95 | 8.28 | 11.93 | 92.8 | 6.93 | 4.3 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | CS2 | 10:56:00 | 1.0 | Surface | 1 | 2 | 27.43 | 8.29 | 10.8 | 99.6 | 7.15 | 4.4 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | CS2 | 10:56:24 | 4.0 | Middle | 2 | 1 | 26.42 | 8.21 | 18.89 | 90.3 | 6.5 | 4.3 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | CS2 | 10:55:52 | 4.0 | Middle | 2 | 2 | 26 | 8.18 | 23.17 | 92 | 6.85 | 4.6 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | CS2 | 10:55:32 | 7.0 | Bottom | 3 | 1 | 25.34 | 8.14 | 23.88 | 90 | 6.41 | 5 | 4.8 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | CS2 | 10:56:13 | 7.0 | Bottom | 3 | 2 | 25.08 | 8.17 | 24.23 | 88.1 | 6.38 | 4.7 | 5.3 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | CS(Mf)5 | 09:09:33 | 1.0 | Surface | 1 | 1 | 27.19 | 8.44 | 12.75 | 96 | 7.1 | 3.5 | 4.2 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | CS(Mf)5 | 09:10:25 | 1.0 | Surface | 1 | 2 | 27.19 | 8.44 | 12.67 | 96.2 | 7.12 | 3.5 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | CS(Mf)5 | 09:10:11 | 6.3 | Middle | 2 | 1 | 25.4 | 8.39 | 23.53 | 89.5 | 6.42 | 2.9 | 4 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | CS(Mf)5 | 09:09:20 | 6.3 | Middle | 2 | 2 | 25.37 | 8.38 | 23.72 | 90.3 | 6.48 | 2.9 | 4.6 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | CS(Mf)5 | 09:09:59 | 11.6 | Bottom | 3 | 1 | 24.03 | 8.32 | 30.29 | 90 | 6.37 | 3.3 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Ebb | Fine | CS(Mf)5 | 09:09:07 | 11.6 | Bottom | 3 | 2 | 24.02 | 8.31 | 30.36 | 91.7 | 6.48 | 3.2 | 5 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS5 | 13:48:37 | 1.0 | Surface | 1 | 1 | 27.78 | 8.58 | 14.54 | 120.6 | 8.74 | 7.6 | 4.6 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS5 | 13:47:49 | 1.0 | Surface | 1 | 2 | 27.85 | 8.58 | 14.49 | 120.9 | 8.75 | 7.4 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS5 | 13:47:29 | 4.3 | Middle | 2 | 1 | 24.95 | 8.31 | 24.21 | 90.7 | 6.49 | 7.9 | 7.1 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS5 | 13:48:17 | 4.3 | Middle | 2 | 2 | 24.62 | 8.31 | 25.05 | 95.6 | 6.84 | 7.7 | 5.5 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS5 | 13:48:07 | 7.5 | Bottom | 3 | 1 | 23.96 | 8.32 | 28.52 | 85.9 | 6.2 | 8.6 | 6.3 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS5 | 13:47:16 | 7.5 | Bottom | 3 | 2 | 23.96 | 8.31 | 28.46 | 83.4 | 6.01 | 8.3 | 7.1 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS(Mf)6 | 13:57:52 | 1.0 | Surface | 1 | 1 | 28.22 | 8.64 | 13.48 | 142.9 | 10.34 | 8.5 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS(Mf)6 | 13:57:31 | 1.0 | Surface | 1 | 2 | 28.2 | 8.64 | 13.5 | 142.8 | 10.34 | 8.8 | 3 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS(Mf)6 | 13:57:41 | 2.0 | Bottom | 3 | 1 | 27.77 | 8.61 | 14.3 | 141.2 | 10.25 | 8.6 | 6.6 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS(Mf)6 | 13:57:19 | 2.0 | Bottom | 3 | 2 | 27.73 | 8.6 | 14.49 | 141 | 10.23 | 8.8 | 8.1 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS7 | 14:04:23 | 1.0 | Surface | 1 | 1 | 27.93 | 8.61 | 13.93 | 138.6 | 10.05 | 8.5 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS7 | 14:04:52 | 1.0 | Surface | 1 | 2 | 27.97 | 8.62 | 13.91 | 139.6 | 10.12 | 8.6 | 3.8 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS7 | 14:04:34 | 2.4 | Bottom | 3 | 1 | 27.5 | 8.57 | 15.13 | 136.4 | 9.9 | 8.4 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS7 | 14:04:12 | 2.4 | Bottom | 3 | 2 | 27.56 | 8.57 | 15.11 | 136.4 | 9.89 | 8.4 | 4.6 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS8 | 14:31:26 | 1.0 | Surface | 1 | 1 | 27.29 | 8.39 | 16.19 | 100.3 | 7.27 | 7.5 | 4.3 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS8 | 14:30:56 | 1.0 | Surface | 1 | 2 | 27.46 | 8.41 | 15.48 | 99 | 7.17 | 7.4 | 3.8 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS8 | 14:30:44 | 2.9 | Bottom | 3 | 1 | 26.01 | 8.32 | 21.58 | 95.2 | 6.84 | 7.5 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS8 | 14:31:10 | 2.9 | Bottom | 3 | 2 | 25.86 | 8.31 | 21.6 | 95.6 | 6.88 | 7.3 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS(Mf)9 | 14:12:33 | 1.0 | Surface | 1 | 1 | 28.29 | 8.63 | 13.41 | 133.1 | 9.62 | 8.6 | 5 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS(Mf)9 | 14:11:50 | 1.0 | Surface | 1 | 2 | 28.24 | 8.61 | 13.5 | 133.8 | 9.67 | 8.3 | 4.2 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS(Mf)9 | 14:11:33 | 2.5 | Bottom | 3 | 1 | 26.76 | 8.56 | 16.87 | 118.9 | 8.64 | 8.4 | 5.8 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS(Mf)9 | 14:12:15 | 2.5 | Bottom | 3 | 2 | 26.19 | 8.41 | 16.83 | 118.3 | 8.55 | 8.5 | 5.2 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS10 | 15:04:43 | 1.0 | Surface | 1 | 1 | 27.77 | 8.4 | 14.5 | 98 | 7.1 | 6.3 | 6.9 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS10 | 15:04:17 | 1.0 | Surface | 1 | 2 | 27.7 | 8.34 | 14.55 | 96 | 6.89 | 6.4 | 7.2 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS10 | 15:04:11 | 5.6 | Middle | 2 | 1 | 26.38 | 8.21 | 18.35 | 94.2 | 6.83 | 6.7 | 7.8 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS10 | 15:04:34 | 5.6 | Middle | 2 | 2 | 25.32 | 8.21 | 19.79 | 95.3 | 6.85 | 6.5 | 9.2 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS10 | 15:04:03 | 10.1 | Bottom | 3 | 1 | 25.39 | 8.17 | 23.6 | 90.3 | 6.56 | 6.7 | 7.9 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | IS10 | 15:04:30 | 10.1 | Bottom | 3 | 2 | 25.24 | 8.21 | 23.93 | 91.4 | 6.71 | 6.7 | 8.2 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | SR3 | 13:39:31 | 0.7 | Middle | 2 | 1 | 27.99 | 8.62 | 14.18 | 139.3 | 10.08 | 2.7 | 4.8 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | SR3 | 13:39:24 | 0.7 | Middle | 2 | 2 | 28.03 | 8.62 | 14.11 | 138.5 | 10.01 | 2.8 | 4.9 | |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | SR4 | 14:22:45 | 1.0 | Surface | 1 | 1 | 26.69 | 8.37 | 16.61 | 99.5 | 7.26 | 5.8 | 5.2 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | SR4 | 14:22:11 | 1.0 | Surface | 1 | 2 | 26.55 | 8.35 | 17.46 | 99 | 7.21 | 5.6 | 5.8 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | SR4 | 14:21:49 | 2.9 | Bottom | 3 | 1 | 25.97 | 8.29 | 21.63 | 94.9 | 6.82 | 5.6 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | SR4 | 14:22:22 | 2.9 | Bottom | 3 | 2 | 25.87 | 8.28 | 22.01 | 94.1 | 6.76 | 5.7 | 4.6 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | SR5 | 14:58:30 | 1.0 | Surface | 1 | 1 | 27.9 | 8.47 | 14.49 | 114.3 | 8.27 | 7.5 | 8.8 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | SR5 | 14:58:00 | 1.0 | Surface | 1 | 2 | 27.76 | 8.4 | 14.59 | 110.6 | 8.02 | 7.6 | 10.4 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | SR5 | 14:57:52 | 4.0 | Bottom | 3 | 1 | 27.48 | 8.36 | 19.25 | 113.7 | 8.06 | 7.9 | 8.8 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | SR5 | 14:58:14 | 4.0 | Bottom | 3 | 2 | 26.11 | 8.24 | 20.26 | 104.8 | 7.57 | 7.6 | 10 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | SR10A | 15:50:26 | 1.0 | Surface | 1 | 1 | 27.49 | 8.55 | 15.59 | 118 | 8.54 | 2.5 | 4.3 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | SR10A | 15:51:24 | 1.0 | Surface | 1 | 2 | 27.12 | 8.52 | 15.59 | 117.3 | 8.38 | 2.6 | 5.1 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | SR10A | 15:51:13 | 3.3 | Middle | 2 | 1 | 26.06 | 8.45 | 21.94 | 113.8 | 8.2 | 2.6 | 6.1 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | SR10A | 15:50:15 | 3.3 | Middle | 2 | 2 | 25.96 | 8.45 | 21.49 | 117.7 | 8.38 | 2.5 | 4.6 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | SR10A | 15:50:56 | 5.6 | Bottom | 3 | 1 | 25.61 | 8.41 | 23.51 | 107.4 | 7.69 | 2.7 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | SR10A | 15:50:06 | 5.6 | Bottom | 3 | 2 | 25.97 | 8.46 | 23.29 | 103.8 | 7.42 | 2.6 | 5.5 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | SR10B | 16:01:08 | 1.0 | Surface | 1 | 1 | 27.42 | 8.54 | 15.37 | 119.7 | 8.55 | 2.3 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | SR10B | 16:00:49 | 1.0 | Surface | 1 | 2 | 27.6 | 8.56 | 15.22 | 119.3 | 8.64 | 2.3 | 4.8 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | SR10B | 16:00:58 | 4.2 | Bottom | 3 | 1 | 26.13 | 8.48 | 22.15 | 118.8 | 8.62 | 2.3 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | SR10B | 16:00:37 | 4.2 | Bottom | 3 | 2 | 26.29 | 8.46 | 22.07 | 115.9 | 8.26 | 2.4 | 5 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | CS2 | 13:52:17 | 1.0 | Surface | 1 | 1 | 28.23 | 8.52 | 12.59 | 112.9 | 8.23 | 4.2 | 5.6 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | CS2 | 13:53:10 | 1.0 | Surface | 1 | 2 | 28.16 | 8.48 | 12.63 | 108.9 | 7.92 | 4.4 | 5.5 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | CS2 | 13:51:30 | 4.1 | Middle | 2 | 1 | 26.57 | 8.29 | 18.77 | 93 | 6.72 | 4.6 | 7.1 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | CS2 | 13:52:57 | 4.1 | Middle | 2 | 2 | 26.89 | 8.26 | 18.38 | 90.8 | 6.54 | 4.4 | 5.6 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | CS2 | 13:51:06 | 7.1 | Bottom | 3 | 1 | 25.44 | 8.22 | 23.38 | 84 | 6.03 | 4.8 | 5.9 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | CS2 | 13:52:48 | 7.1 | Bottom | 3 | 2 | 26.02 | 8.19 | 25.13 | 91.9 | 6.47 | 4.5 | 6.3 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | CS(Mf)5 | 15:23:29 | 1.0 | Surface | 1 | 1 | 27.69 | 8.57 | 14.37 | 125.6 | 9.12 | 3.1 | 4.7 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | CS(Mf)5 | 15:22:54 | 1.0 | Surface | 1 | 2 | 27.67 | 8.57 | 14.43 | 124 | 9 | 3.2 | 3.7 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | CS(Mf)5 | 15:23:16 | 6.4 | Middle | 2 | 1 | 24.45 | 8.34 | 27.73 | 89.8 | 6.36 | 4.4 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | CS(Mf)5 | 15:22:40 | 6.4 | Middle | 2 | 2 | 24.45 | 8.35 | 27.75 | 92.5 | 6.54 | 4.3 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | CS(Mf)5 | 15:23:05 | 11.8 | Bottom | 3 | 1 | 23.59 | 8.36 | 31.59 | 83.7 | 5.97 | 6.7 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-20 | Mid-Flood | Sunny | CS(Mf)5 | 15:22:26 | 11.8 | Bottom | 3 | 2 | 23.59 | 8.36 | 31.6 | 84.9 | 6.05 | 6.8 | 5.4 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS5 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS5 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS5 | - | - | Middle | 2 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS5 | - | - | Middle | 2 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS5 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS5 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS(Mf)6 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS(Mf)6 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS(Mf)6 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS(Mf)6 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS7 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS7 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS7 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS7 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS8 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS8 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS8 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS8 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS(Mf)9 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS(Mf)9 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS(Mf)9 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS(Mf)9 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS10 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS10 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS10 | - | - | Middle | 2 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS10 | - | - | Middle | 2 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS10 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | IS10 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | SR3 | - | - | Middle | 2 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | SR3 | - | - | Middle | 2 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | SR4 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | SR4 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | SR4 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | SR4 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | SR5 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | SR5 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | SR5 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | SR5 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | SR10A | - | - | Surface | 1 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | SR10A | - | - | Surface | 1 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | SR10A | - | - | Middle | 2 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | SR10A | - | - | Middle | 2 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | SR10A | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | SR10A | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | SR10B | - | - | Surface | 1 | 1 | - | - | - | - | - | - | - | Cancelled |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | SR10B | - | - | Surface | 1 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | SR10B | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | SR10B | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | CS2 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | CS2 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | CS2 | - | - | Middle | 2 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | CS2 | - | - | Middle | 2 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | CS2 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | CS2 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | CS(Mf)5 | - | - | Surface | 1 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | CS(Mf)5 | - | - | Surface | 1 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | CS(Mf)5 | - | - | Middle | 2 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | CS(Mf)5 | - | - | Middle | 2 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | CS(Mf)5 | - | - | Bottom | 3 | 1 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Ebb | Rainy | CS(Mf)5 | - | - | Bottom | 3 | 2 | - | - | - | - | - | - | - | Cancelled |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS5 | 15:48:42 | 1.0 | Surface | 1 | 1 | 26.02 | 8.44 | 16.68 | 87.1 | 6.43 | 6.4 | 8.5 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS5 | 15:47:59 | 1.0 | Surface | 1 | 2 | 26.1 | 8.45 | 16.24 | 90 | 6.65 | 6.2 | 7.2 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS5 | 15:47:49 | 4.5 | Middle | 2 | 1 | 25.73 | 8.37 | 20.42 | 84.4 | 6.13 | 7 | 7.8 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS5 | 15:48:34 | 4.5 | Middle | 2 | 2 | 25.63 | 8.36 | 21.15 | 83 | 6.02 | 7.4 | 7.9 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS5 | 15:47:35 | 8.0 | Bottom | 3 | 1 | 25.14 | 8.32 | 24.07 | 84.1 | 6.05 | 8.5 | 8.7 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS5 | 15:48:16 | 8.0 | Bottom | 3 | 2 | 24.81 | 8.31 | 25.37 | 83.4 | 5.99 | 8.9 | 8.1 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS(Mf)6 | 15:58:08 | 1.0 | Surface | 1 | 1 | 26.22 | 8.47 | 16.78 | 102.3 | 7.52 | 7.4 | 11 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS(Mf)6 | 15:57:39 | 1.0 | Surface | 1 | 2 | 26.21 | 8.48 | 16.14 | 103.3 | 7.62 | 7.2 | 9.8 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS(Mf)6 | 15:57:51 | 2.4 | Bottom | 3 | 1 | 26.18 | 8.46 | 17.64 | 102.4 | 7.5 | 9.4 | 11.1 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS(Mf)6 | 15:57:27 | 2.4 | Bottom | 3 | 2 | 26.19 | 8.46 | 17.26 | 102.9 | 7.55 | 9.1 | 10.4 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS7 | 16:05:29 | 1.0 | Surface | 1 | 1 | 26.34 | 8.5 | 15.87 | 106.7 | 7.87 | 5.3 | 10.8 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS7 | 16:05:17 | 1.0 | Surface | 1 | 2 | 26.41 | 8.5 | 15.84 | 106.7 | 7.86 | 5.4 | 10.5 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS7 | 16:05:11 | 2.4 | Bottom | 3 | 1 | 26.44 | 8.48 | 17.07 | 106.9 | 7.82 | 5.6 | 12.7 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS7 | 16:05:23 | 2.4 | Bottom | 3 | 2 | 26.32 | 8.49 | 17.03 | 107 | 7.84 | 5.4 | 13.4 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS8 | 16:34:17 | 1.0 | Surface | 1 | 1 | 26.08 | 8.42 | 16.9 | 94 | 6.92 | 10.2 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS8 | 16:33:28 | 1.0 | Surface | 1 | 2 | 26.09 | 8.42 | 16.88 | 94.4 | 6.95 | 10.5 | 4.5 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS8 | 16:33:12 | 2.3 | Bottom | 3 | 1 | 25.73 | 8.33 | 21.59 | 90.4 | 6.52 | 13.8 | 4.7 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS8 | 16:34:02 | 2.3 | Bottom | 3 | 2 | 25.71 | 8.33 | 21.4 | 90.6 | 6.55 | 14.1 | 5.3 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS(Mf)9 | 16:13:42 | 1.0 | Surface | 1 | 1 | 26.02 | 8.4 | 18.34 | 93 | 6.8 | 6 | 6.4 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS(Mf)9 | 16:13:16 | 1.0 | Surface | 1 | 2 | 25.94 | 8.39 | 19.78 | 92.6 | 6.72 | 5.8 | 6.5 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS(Mf)9 | 16:12:54 | 2.4 | Bottom | 3 | 1 | 25.98 | 8.42 | 19.51 | 92.1 | 6.68 | 6.8 | 6.6 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS(Mf)9 | 16:13:28 | 2.4 | Bottom | 3 | 2 | 25.92 | 8.37 | 19.97 | 92.4 | 6.7 | 6.5 | 6.5 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS10 | 17:24:28 | 1.0 | Surface | 1 | 1 | 26.21 | 8.41 | 15.84 | 98.2 | 7.26 | 10.4 | 3.7 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS10 | 17:23:12 | 1.0 | Surface | 1 | 2 | 26.12 | 8.41 | 15.6 | 94.1 | 6.97 | 10.6 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS10 | 17:24:07 | 5.4 | Middle | 2 | 1 | 25.41 | 8.26 | 21.7 | 82.8 | 6.01 | 12.6 | 4.7 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS10 | 17:23:00 | 5.4 | Middle | 2 | 2 | 25.53 | 8.27 | 21.56 | 87.5 | 6.34 | 12.6 | 5.5 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS10 | 17:22:42 | 9.7 | Bottom | 3 | 1 | 24.98 | 8.23 | 26.43 | 83.1 | 6.03 | 13.4 | 5.3 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | IS10 | 17:23:53 | 9.7 | Bottom | 3 | 2 | 24.85 | 8.22 | 26.27 | 81.6 | 5.82 | 13.8 | 5.8 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | SR3 | 15:32:09 | 0.7 | Middle | 2 | 1 | 26.2 | 8.51 | 15.23 | 107.3 | 7.96 | 7.1 | 7.2 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | SR3 | 15:32:07 | 0.7 | Middle | 2 | 2 | 26.2 | 8.51 | 15.22 | 107.3 | 7.96 | 7.3 | 8.5 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | SR4 | 16:21:41 | 1.0 | Surface | 1 | 1 | 26.06 | 8.41 | 16.91 | 90.8 | 6.69 | 19.4 | 6.1 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | SR4 | 16:22:11 | 1.0 | Surface | 1 | 2 | 26.06 | 8.41 | 16.91 | 90.7 | 6.68 | 19.6 | 7.2 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | SR4 | 16:21:29 | 2.4 | Bottom | 3 | 1 | 25.66 | 8.3 | 22.07 | 87.1 | 6.28 | 22.2 | 8 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | SR4 | 16:21:59 | 2.4 | Bottom | 3 | 2 | 25.69 | 8.31 | 21.78 | 86.5 | 6.24 | 22.6 | 8.5 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | SR5 | 17:12:44 | 1.0 | Surface | 1 | 1 | 26.21 | 8.37 | 14.82 | 102.1 | 7.59 | 8.2 | 5.8 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | SR5 | 17:13:12 | 1.0 | Surface | 1 | 2 | 26.16 | 8.37 | 15.52 | 100.3 | 7.44 | 7.9 | 6.1 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | SR5 | 17:12:34 | 3.6 | Bottom | 3 | 1 | 26.22 | 8.35 | 18.67 | 102.8 | 7.48 | 10.2 | 5.1 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | SR5 | 17:13:01 | 3.6 | Bottom | 3 | 2 | 25.95 | 8.31 | 19.38 | 100.3 | 7.3 | 10.5 | 6.1 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | SR10A | 17:38:40 | 1.0 | Surface | 1 | 1 | 24.79 | 8.41 | 25.47 | 87.8 | 6.3 | 3.7 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | SR10A | 17:38:11 | 1.0 | Surface | 1 | 2 | 24.76 | 8.41 | 25.52 | 87.9 | 6.31 | 3.9 | 3 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | SR10A | 17:38:26 | 3.3 | Middle | 2 | 1 | 24.45 | 8.4 | 26.12 | 86.8 | 6.24 | 4.5 | 5 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | SR10A | 17:38:03 | 3.3 | Middle | 2 | 2 | 24.63 | 8.41 | 25.93 | 87.2 | 6.26 | 4.4 | 4.8 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | SR10A | 17:38:20 | 5.5 | Bottom | 3 | 1 | 24.55 | 8.39 | 28.18 | 87.2 | 6.19 | 4.6 | 5 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | SR10A | 17:37:53 | 5.5 | Bottom | 3 | 2 | 24.48 | 8.39 | 27.36 | 87 | 6.21 | 4.7 | 5.3 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | SR10B | 17:48:05 | 1.0 | Surface | 1 | 1 | 24.76 | 8.4 | 25.55 | 88.1 | 6.32 | 3.2 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | SR10B | 17:47:55 | 1.0 | Surface | 1 | 2 | 24.77 | 8.4 | 25.55 | 88 | 6.32 | 3.1 | 5.1 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | SR10B | 17:48:00 | 4.2 | Bottom | 3 | 1 | 24.78 | 8.4 | 25.65 | 87.9 | 6.31 | 3.4 | 5.3 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | SR10B | 17:47:50 | 4.2 | Bottom | 3 | 2 | 24.8 | 8.4 | 25.57 | 88 | 6.31 | 3.3 | 5.5 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | CS2 | 15:39:13 | 1.0 | Surface | 1 | 1 | 26.3 | 8.23 | 11.36 | 94.3 | 7.14 | 6.6 | 4.6 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | CS2 | 15:39:53 | 1.0 | Surface | 1 | 2 | 26.31 | 8.23 | 11.38 | 91.9 | 6.95 | 6.3 | 5.3 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | CS2 | 15:39:01 | 3.9 | Middle | 2 | 1 | 26.04 | 8.22 | 19.05 | 92.5 | 6.74 | 6.3 | 7.4 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | CS2 | 15:39:41 | 3.9 | Middle | 2 | 2 | 25.63 | 8.23 | 18.88 | 87.3 | 6.41 | 6.1 | 6.4 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | CS2 | 15:39:31 | 6.8 | Bottom | 3 | 1 | 25.43 | 8.21 | 22.07 | 88.2 | 6.38 | 8.8 | 7.2 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | CS2 | 15:38:37 | 6.8 | Bottom | 3 | 2 | 25.55 | 8.18 | 20.54 | 90.1 | 6.56 | 8.4 | 7.8 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | CS(Mf)5 | 17:07:03 | 1.0 | Surface | 1 | 1 | 25.89 | 8.48 | 17.41 | 93.1 | 6.86 | 2.9 | 5.8 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | CS(Mf)5 | 17:06:15 | 1.0 | Surface | 1 | 2 | 25.89 | 8.47 | 17.57 | 93.5 | 6.88 | 3.1 | 4.8 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | CS(Mf)5 | 17:06:06 | 6.7 | Middle | 2 | 1 | 25.52 | 8.43 | 21.33 | 88.7 | 6.43 | 3.3 | 7.3 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | CS(Mf)5 | 17:06:55 | 6.7 | Middle | 2 | 2 | 25.15 | 8.43 | 20.25 | 87.6 | 6.44 | 3.2 | 8.4 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | CS(Mf)5 | 17:06:33 | 12.3 | Bottom | 3 | 1 | 24.12 | 8.36 | 29.34 | 88.1 | 6.26 | 4.1 | 8.5 | |
| HKLR | HY/2011/03 | 2013-05-22 | Mid-Flood | Rainy | CS(Mf)5 | 17:05:51 | 12.3 | Bottom | 3 | 2 | 24.12 | 8.36 | 29.33 | 87.5 | 6.22 | 4.3 | 7.7 | |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS5 | 13:11:07 | 1.0 | Surface | 1 | 1 | 26.64 | 8.35 | 17.65 | 80.1 | 5.82 | 8.9 | 5.2 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS5 | 13:11:58 | 1.0 | Surface | 1 | 2 | 26.44 | 8.34 | 18.09 | 81.4 | 5.92 | 8.6 | 5.2 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS5 | 13:10:52 | 4.5 | Middle | 2 | 1 | 24.21 | 8.3 | 27.02 | 69.6 | 5 | 16.2 | 5.4 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS5 | 13:11:40 | 4.5 | Middle | 2 | 2 | 24.31 | 8.29 | 26.45 | 69.7 | 5.02 | 16.3 | 5 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS5 | 13:10:37 | 8.0 | Bottom | 3 | 1 | 24.03 | 8.28 | 28.27 | 73.6 | 5.26 | 18 | 6.5 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS5 | 13:11:23 | 8.0 | Bottom | 3 | 2 | 23.98 | 8.27 | 28.42 | 73.9 | 5.29 | 18.1 | 5 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS(Mf)6 | 13:02:12 | 1.0 | Surface | 1 | 1 | 25.76 | 8.27 | 20.21 | 77.8 | 5.65 | 13.9 | 5.4 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS(Mf)6 | 13:02:45 | 1.0 | Surface | 1 | 2 | 25.91 | 8.27 | 19.99 | 78.3 | 5.68 | 14.5 | 6 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS(Mf)6 | 13:01:58 | 2.2 | Bottom | 3 | 1 | 25.47 | 8.25 | 21.66 | 77.8 | 5.64 | 17.4 | 4.5 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS(Mf)6 | 13:02:33 | 2.2 | Bottom | 3 | 2 | 25.47 | 8.25 | 21.56 | 77.9 | 5.65 | 18 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS7 | 12:56:16 | 1.0 | Surface | 1 | 1 | 25.93 | 8.27 | 19.47 | 78.2 | 5.69 | 12.6 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS7 | 12:55:58 | 1.0 | Surface | 1 | 2 | 25.98 | 8.29 | 19.24 | 78.3 | 5.7 | 13.3 | 4 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS7 | 12:55:49 | 2.3 | Bottom | 3 | 1 | 25.61 | 8.27 | 20.88 | 77.3 | 5.61 | 14.9 | 5.2 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS7 | 12:56:07 | 2.3 | Bottom | 3 | 2 | 25.72 | 8.26 | 20.57 | 77.8 | 5.65 | 14 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS8 | 12:33:31 | 1.0 | Surface | 1 | 1 | 25.91 | 8.28 | 19.29 | 80.5 | 5.87 | 6.7 | 6 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS8 | 12:33:53 | 1.0 | Surface | 1 | 2 | 25.84 | 8.28 | 19.76 | 79.8 | 5.81 | 6.6 | 6.2 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS8 | 12:33:42 | 2.6 | Bottom | 3 | 1 | 25.65 | 8.26 | 20.87 | 79.8 | 5.79 | 7.7 | 6.5 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS8 | 12:33:21 | 2.6 | Bottom | 3 | 2 | 25.77 | 8.26 | 20.78 | 81.5 | 5.91 | 7.5 | 5.3 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS(Mf)9 | 12:49:31 | 1.0 | Surface | 1 | 1 | 26.19 | 8.28 | 18.36 | 82.2 | 6 | 7.1 | 4.7 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS(Mf)9 | 12:49:50 | 1.0 | Surface | 1 | 2 | 26.13 | 8.28 | 18.56 | 82.2 | 6 | 6.6 | 4.5 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS(Mf)9 | 12:49:20 | 2.2 | Bottom | 3 | 1 | 25.83 | 8.27 | 20.05 | 80.8 | 5.87 | 7.5 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS(Mf)9 | 12:49:40 | 2.2 | Bottom | 3 | 2 | 25.9 | 8.27 | 19.84 | 81.5 | 5.92 | 7.2 | 3.7 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS10 | 12:31:20 | 1.0 | Surface | 1 | 1 | 26.16 | 8.05 | 15.82 | 72.7 | 5.38 | 4.6 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS10 | 12:30:52 | 1.0 | Surface | 1 | 2 | 25.94 | 8.07 | 15.63 | 72.6 | 5.4 | 4.4 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS10 | 12:31:07 | 5.8 | Middle | 2 | 1 | 25.49 | 8.1 | 17.19 | 71.8 | 5.33 | 5.5 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS10 | 12:30:46 | 5.8 | Middle | 2 | 2 | 25.57 | 8.09 | 17.03 | 72.2 | 5.36 | 5.7 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS10 | 12:30:41 | 10.6 | Bottom | 3 | 1 | 25.85 | 8.05 | 20.75 | 72.4 | 5.24 | 8.7 | 4.6 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | IS10 | 12:31:01 | 10.6 | Bottom | 3 | 2 | 25.83 | 8.05 | 21.34 | 72.2 | 5.21 | 8.4 | 4.3 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | SR3 | 13:16:15 | 0.8 | Middle | 2 | 1 | 27.09 | 8.32 | 16.74 | 96.5 | 6.99 | 3.2 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | SR3 | 13:16:05 | 0.8 | Middle | 2 | 2 | 27.08 | 8.32 | 16.73 | 96.5 | 6.99 | 3.5 | 3.8 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | SR4 | 12:39:47 | 1.0 | Surface | 1 | 1 | 26.52 | 8.27 | 16.06 | 81.3 | 5.97 | 4.9 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | SR4 | 12:40:06 | 1.0 | Surface | 1 | 2 | 26.49 | 8.27 | 16.28 | 81.4 | 5.98 | 5.1 | 4.2 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | SR4 | 12:39:57 | 2.4 | Bottom | 3 | 1 | 26.01 | 8.22 | 20.08 | 80.4 | 5.82 | 5.9 | 5.4 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | SR4 | 12:39:38 | 2.4 | Bottom | 3 | 2 | 25.89 | 8.24 | 19.7 | 80.2 | 5.84 | 5.9 | 5.3 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | SR5 | 12:41:51 | 1.0 | Surface | 1 | 1 | 26.09 | 8.05 | 15.73 | 72.8 | 5.39 | 4.6 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | SR5 | 12:42:05 | 1.0 | Surface | 1 | 2 | 26.24 | 8.04 | 15.18 | 73.1 | 5.42 | 4.4 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | SR5 | 12:41:44 | 4.5 | Bottom | 3 | 1 | 26.16 | 8.04 | 17 | 72.8 | 5.35 | 4.7 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | SR5 | 12:41:57 | 4.5 | Bottom | 3 | 2 | 26.13 | 8.04 | 17.02 | 72.6 | 5.34 | 4.6 | 3 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | SR10A | 11:08:23 | 1.0 | Surface | 1 | 1 | 25.86 | 8.35 | 22.38 | 87.1 | 6.24 | 2 | 2.9 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | SR10A | 11:09:05 | 1.0 | Surface | 1 | 2 | 25.57 | 8.35 | 23.29 | 86.4 | 6.2 | 2.2 | 2.2 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | SR10A | 11:08:50 | 3.4 | Middle | 2 | 1 | 25.34 | 8.34 | 24.06 | 85.8 | 6.15 | 2.6 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | SR10A | 11:07:59 | 3.4 | Middle | 2 | 2 | 25.24 | 8.34 | 24.36 | 86 | 6.16 | 2.5 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | SR10A | 11:07:52 | 5.8 | Bottom | 3 | 1 | 25.32 | 8.33 | 24.63 | 86.7 | 6.2 | 2.9 | 3.7 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | SR10A | 11:08:43 | 5.8 | Bottom | 3 | 2 | 25.32 | 8.34 | 24.16 | 85.9 | 6.15 | 3 | 3 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | SR10B | 11:01:15 | 1.0 | Surface | 1 | 1 | 25.37 | 8.34 | 24.59 | 85.6 | 6.11 | 3.8 | 4.3 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | SR10B | 11:00:46 | 1.0 | Surface | 1 | 2 | 25.33 | 8.33 | 24.76 | 85.6 | 6.11 | 3.5 | 4.2 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | SR10B | 11:00:59 | 4.4 | Bottom | 3 | 1 | 25.32 | 8.33 | 24.89 | 85.4 | 6.09 | 5.1 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | SR10B | 11:00:31 | 4.4 | Bottom | 3 | 2 | 25.3 | 8.33 | 24.99 | 85.7 | 6.11 | 4.7 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | CS2 | 13:40:22 | 1.0 | Surface | 1 | 1 | 27.05 | 8.03 | 14.17 | 76.5 | 5.62 | 4.5 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | CS2 | 13:41:04 | 1.0 | Surface | 1 | 2 | 27.14 | 8.03 | 13.93 | 77.1 | 5.67 | 4.1 | 3.8 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | CS2 | 13:40:11 | 4.1 | Middle | 2 | 1 | 26.84 | 8.05 | 14.66 | 73.8 | 5.43 | 5.5 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | CS2 | 13:40:53 | 4.1 | Middle | 2 | 2 | 26.93 | 8.04 | 14.41 | 74.3 | 5.47 | 5.4 | 3.7 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | CS2 | 13:39:58 | 7.2 | Bottom | 3 | 1 | 25.59 | 8.05 | 19.31 | 73.5 | 5.39 | 6 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | CS2 | 13:40:40 | 7.2 | Bottom | 3 | 2 | 25.59 | 8.07 | 19.02 | 72.2 | 5.3 | 5.8 | 4.3 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | CS(Mf)5 | 11:53:14 | 1.0 | Surface | 1 | 1 | 26.42 | 8.31 | 16.47 | 80.2 | 5.89 | 6.7 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | CS(Mf)5 | 11:54:06 | 1.0 | Surface | 1 | 2 | 26.5 | 8.31 | 16.31 | 80.3 | 5.89 | 6.1 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | CS(Mf)5 | 11:52:58 | 6.7 | Middle | 2 | 1 | 24.91 | 8.29 | 23.97 | 77.9 | 5.63 | 7.6 | 4.8 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | CS(Mf)5 | 11:53:48 | 6.7 | Middle | 2 | 2 | 24.63 | 8.32 | 25.71 | 77.7 | 5.58 | 7 | 5.4 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | CS(Mf)5 | 11:53:34 | 12.3 | Bottom | 3 | 1 | 24.55 | 8.27 | 26.82 | 77.5 | 5.54 | 11.2 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Ebb | Cloudy | CS(Mf)5 | 11:52:49 | 12.3 | Bottom | 3 | 2 | 24.82 | 8.24 | 25.11 | 78.1 | 5.61 | 12.1 | 3.6 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS5 | 17:39:03 | 1.0 | Surface | 1 | 1 | 27.38 | 8.35 | 17.96 | 90.9 | 6.51 | 8.5 | 7.6 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS5 | 17:39:53 | 1.0 | Surface | 1 | 2 | 27.29 | 8.34 | 18.04 | 90.3 | 6.47 | 8 | 7.4 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS5 | 17:38:48 | 4.3 | Middle | 2 | 1 | 26.06 | 8.31 | 20.44 | 80.5 | 5.81 | 7 | 8.9 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS5 | 17:39:41 | 4.3 | Middle | 2 | 2 | 26.46 | 8.31 | 19.5 | 81.2 | 5.85 | 7.7 | 8.6 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS5 | 17:39:25 | 7.5 | Bottom | 3 | 1 | 25.29 | 8.27 | 22.87 | 79.2 | 5.72 | 10.9 | 8.9 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS5 | 17:38:30 | 7.5 | Bottom | 3 | 2 | 25.32 | 8.27 | 22.76 | 79 | 5.71 | 10.6 | 9.2 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS(Mf)6 | 17:49:25 | 1.0 | Surface | 1 | 1 | 27.13 | 8.26 | 15.83 | 85.3 | 6.2 | 7.7 | 6.8 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS(Mf)6 | 17:49:46 | 1.0 | Surface | 1 | 2 | 26.77 | 8.26 | 16.85 | 84.3 | 6.14 | 7.9 | 6.9 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS(Mf)6 | 17:49:35 | 2.0 | Bottom | 3 | 1 | 26.49 | 8.23 | 18.84 | 84.1 | 6.09 | 10.3 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS(Mf)6 | 17:49:11 | 2.0 | Bottom | 3 | 2 | 26.25 | 8.24 | 19.17 | 83.5 | 6.05 | 11.3 | 5 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS7 | 17:56:53 | 1.0 | Surface | 1 | 1 | 27.07 | 8.27 | 15.9 | 85 | 6.19 | 7.2 | 6.5 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS7 | 17:57:29 | 1.0 | Surface | 1 | 2 | 26.94 | 8.25 | 16.75 | 85.3 | 6.19 | 6.4 | 7.3 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS7 | 17:57:07 | 2.1 | Bottom | 3 | 1 | 26.39 | 8.25 | 18.54 | 83.8 | 6.08 | 9.4 | 6.1 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS7 | 17:56:41 | 2.1 | Bottom | 3 | 2 | 26.41 | 8.24 | 18.79 | 83.6 | 6.06 | 10.5 | 6.8 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS8 | 18:19:00 | 1.0 | Surface | 1 | 1 | 26.98 | 8.21 | 15.86 | 82.2 | 5.99 | 7.5 | 10.9 | |

| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS8 | 18:19:22 | 1.0 | Surface | 1 | 2 | 26.94 | 8.21 | 15.92 | 81.7 | 5.96 | 8 | 10.2 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS8 | 18:18:46 | 2.3 | Bottom | 3 | 1 | 26.72 | 8.2 | 16.7 | 81.5 | 5.94 | 9.6 | 9.4 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS8 | 18:19:12 | 2.3 | Bottom | 3 | 2 | 26.76 | 8.2 | 16.69 | 81.4 | 5.93 | 9.5 | 9.9 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS(Mf)9 | 18:04:47 | 1.0 | Surface | 1 | 1 | 26.7 | 8.27 | 17.27 | 83.9 | 6.1 | 9.3 | 6.4 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS(Mf)9 | 18:05:11 | 1.0 | Surface | 1 | 2 | 26.56 | 8.27 | 17.6 | 83.7 | 6.09 | 9.9 | 6.1 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS(Mf)9 | 18:04:36 | 2.0 | Bottom | 3 | 1 | 26.33 | 8.26 | 18.59 | 82.8 | 6.01 | 12 | 5.6 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS(Mf)9 | 18:05:01 | 2.0 | Bottom | 3 | 2 | 26.36 | 8.26 | 18.61 | 83.2 | 6.04 | 13.9 | 5 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS10 | 18:39:07 | 1.0 | Surface | 1 | 1 | 27.12 | 8.01 | 13.71 | 77 | 5.67 | 13.3 | 5.1 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS10 | 18:40:03 | 1.0 | Surface | 1 | 2 | 27.1 | 8 | 14.37 | 77 | 5.65 | 13 | 5.4 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS10 | 18:39:48 | 5.7 | Middle | 2 | 1 | 27.02 | 8.03 | 14.71 | 78.7 | 5.77 | 14.4 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS10 | 18:38:56 | 5.7 | Middle | 2 | 2 | 26.99 | 8.04 | 14.85 | 78.5 | 5.76 | 14.4 | 5.3 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS10 | 18:38:35 | 10.3 | Bottom | 3 | 1 | 27.04 | 8.1 | 16.86 | 80.6 | 5.84 | 14.5 | 6 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | IS10 | 18:39:31 | 10.3 | Bottom | 3 | 2 | 27.04 | 8.1 | 16.67 | 80.6 | 5.85 | 14.3 | 7.1 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | SR3 | 17:26:27 | 0.8 | Middle | 2 | 1 | 27.48 | 8.42 | 17.95 | 96.4 | 6.89 | 8.9 | 7 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | SR3 | 17:26:40 | 0.8 | Middle | 2 | 2 | 27.48 | 8.4 | 17.94 | 96.4 | 6.89 | 9.4 | 6.9 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | SR4 | 18:10:07 | 1.0 | Surface | 1 | 1 | 26.49 | 8.27 | 17.8 | 82.2 | 5.98 | 10.6 | 7.7 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | SR4 | 18:09:45 | 1.0 | Surface | 1 | 2 | 26.44 | 8.27 | 18.06 | 82.5 | 6 | 11.3 | 6.5 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | SR4 | 18:09:33 | 2.2 | Bottom | 3 | 1 | 26.29 | 8.25 | 19 | 82.2 | 5.96 | 15.2 | 7 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | SR4 | 18:09:56 | 2.2 | Bottom | 3 | 2 | 26.25 | 8.25 | 19.26 | 81.8 | 5.92 | 14.1 | 7.3 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | SR5 | 18:28:30 | 1.0 | Surface | 1 | 1 | 27.13 | 7.98 | 13.93 | 75.7 | 5.57 | 12.2 | 6.2 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | SR5 | 18:28:47 | 1.0 | Surface | 1 | 2 | 27.07 | 7.99 | 14.13 | 75.6 | 5.56 | 12.4 | 5.4 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | SR5 | 18:28:16 | 4.5 | Bottom | 3 | 1 | 27.12 | 7.98 | 14.18 | 76 | 5.58 | 12.5 | 7.9 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | SR5 | 18:28:38 | 4.5 | Bottom | 3 | 2 | 27.09 | 7.98 | 14.13 | 75.5 | 5.55 | 12.7 | 7.5 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | SR10A | 19:37:57 | 1.0 | Surface | 1 | 1 | 25.3 | 8.33 | 23.25 | 78 | 5.62 | 4.7 | 3 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | SR10A | 19:38:51 | 1.0 | Surface | 1 | 2 | 25.18 | 8.33 | 23.91 | 77.6 | 5.58 | 5.4 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | SR10A | 19:38:35 | 3.5 | Middle | 2 | 1 | 24.71 | 8.34 | 26.08 | 76.8 | 5.5 | 8.6 | 3.8 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | SR10A | 19:37:39 | 3.5 | Middle | 2 | 2 | 24.82 | 8.34 | 25.73 | 77.5 | 5.55 | 7.5 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | SR10A | 19:38:24 | 5.9 | Bottom | 3 | 1 | 24.51 | 8.33 | 26.78 | 76.5 | 5.47 | 8 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | SR10A | 19:37:28 | 5.9 | Bottom | 3 | 2 | 24.64 | 8.33 | 26.28 | 77 | 5.51 | 7.1 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | SR10B | 19:45:19 | 1.0 | Surface | 1 | 1 | 25.15 | 8.34 | 23.92 | 77.8 | 5.59 | 4.7 | 2.7 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | SR10B | 19:44:45 | 1.0 | Surface | 1 | 2 | 25.17 | 8.33 | 23.85 | 77.7 | 5.59 | 4.7 | 2.7 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | SR10B | 19:44:26 | 4.7 | Bottom | 3 | 1 | 24.71 | 8.32 | 26.15 | 76.9 | 5.5 | 6.8 | 3.8 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | SR10B | 19:45:00 | 4.7 | Bottom | 3 | 2 | 24.67 | 8.33 | 26.21 | 76.7 | 5.49 | 5.9 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | CS2 | 17:31:48 | 1.0 | Surface | 1 | 1 | 27.17 | 7.97 | 12.77 | 72.9 | 5.39 | 8.1 | 5 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | CS2 | 17:32:13 | 1.0 | Surface | 1 | 2 | 27.13 | 7.96 | 12.84 | 72.6 | 5.37 | 8.1 | 5.9 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | CS2 | 17:32:03 | 4.1 | Middle | 2 | 1 | 26.98 | 7.99 | 13.22 | 72.6 | 5.37 | 8.2 | 6.1 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | CS2 | 17:31:39 | 4.1 | Middle | 2 | 2 | 27.1 | 7.98 | 13.05 | 72.9 | 5.39 | 8.1 | 6.8 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | CS2 | 17:31:27 | 7.2 | Bottom | 3 | 1 | 27.03 | 7.99 | 13.3 | 73.1 | 5.41 | 8.4 | 6.6 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | CS2 | 17:31:57 | 7.2 | Bottom | 3 | 2 | 27.05 | 7.97 | 14.03 | 72.4 | 5.33 | 8.2 | 7.4 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | CS(Mf)5 | 18:59:08 | 1.0 | Surface | 1 | 1 | 26.6 | 8.3 | 17.43 | 81.2 | 5.91 | 6.7 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | CS(Mf)5 | 19:00:32 | 1.0 | Surface | 1 | 2 | 26.61 | 8.28 | 17.36 | 83.4 | 6.07 | 7 | 2.7 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | CS(Mf)5 | 18:59:57 | 6.4 | Middle | 2 | 1 | 24.79 | 8.31 | 24.77 | 73.7 | 5.31 | 9.3 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | CS(Mf)5 | 18:58:49 | 6.4 | Middle | 2 | 2 | 24.78 | 8.31 | 24.83 | 74.1 | 5.33 | 8.9 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | CS(Mf)5 | 18:59:38 | 11.7 | Bottom | 3 | 1 | 24.55 | 8.3 | 26.17 | 73.3 | 5.26 | 15 | 5.7 | |
| HKLR | HY/2011/03 | 2013-05-24 | Mid-Flood | Cloudy | CS(Mf)5 | 18:58:29 | 11.7 | Bottom | 3 | 2 | 24.49 | 8.29 | 26.51 | 74.4 | 5.34 | 14.2 | 5.1 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS5 | 12:59:22 | 1.0 | Surface | 1 | 1 | 25.98 | 8.21 | 17.87 | 82.4 | 6.05 | 10.6 | 10.6 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS5 | 13:00:10 | 1.0 | Surface | 1 | 2 | 25.98 | 8.21 | 17.92 | 81.6 | 5.98 | 10.4 | 12.1 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS5 | 12:59:08 | 4.7 | Middle | 2 | 1 | 25.92 | 8.21 | 18.22 | 79.9 | 5.86 | 13.4 | 11.4 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS5 | 12:59:57 | 4.7 | Middle | 2 | 2 | 25.88 | 8.2 | 18.63 | 79.4 | 5.82 | 12.9 | 10.4 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS5 | 12:58:55 | 8.4 | Bottom | 3 | 1 | 25.72 | 8.19 | 19.15 | 78.6 | 5.75 | 16.6 | 14.3 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS5 | 12:59:43 | 8.4 | Bottom | 3 | 2 | 25.76 | 8.19 | 19.17 | 79.2 | 5.79 | 15.1 | 12.7 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS(Mf)6 | 13:12:11 | 1.0 | Surface | 1 | 1 | 25.97 | 8.19 | 18.69 | 81.3 | 5.94 | 16.6 | 16 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS(Mf)6 | 13:12:49 | 1.0 | Surface | 1 | 2 | 25.97 | 8.19 | 18.68 | 81.3 | 5.94 | 15.7 | 15.9 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS(Mf)6 | 13:11:53 | 2.4 | Bottom | 3 | 1 | 26.03 | 8.19 | 19.13 | 81.5 | 5.93 | 21.3 | 20.2 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS(Mf)6 | 13:12:26 | 2.4 | Bottom | 3 | 2 | 26.03 | 8.19 | 19.15 | 81.2 | 5.91 | 19.5 | 18.7 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS7 | 13:20:30 | 1.0 | Surface | 1 | 1 | 25.93 | 8.19 | 18.77 | 78.6 | 5.74 | 7.4 | 7.6 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS7 | 13:21:02 | 1.0 | Surface | 1 | 2 | 25.98 | 8.19 | 18.72 | 78.8 | 5.76 | 7 | 8.8 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS7 | 13:20:21 | 3.0 | Bottom | 3 | 1 | 25.74 | 8.17 | 19.62 | 78.2 | 5.7 | 7.9 | 10.6 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS7 | 13:20:47 | 3.0 | Bottom | 3 | 2 | 25.76 | 8.17 | 20.63 | 77.8 | 5.64 | 8.1 | 11.8 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS8 | 13:52:58 | 1.0 | Surface | 1 | 1 | 26.24 | 8.19 | 18.92 | 81.3 | 5.91 | 5.9 | 7.3 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS8 | 13:52:34 | 1.0 | Surface | 1 | 2 | 26.29 | 8.19 | 18.89 | 81.9 | 5.94 | 5.4 | 6.9 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS8 | 13:52:46 | 2.7 | Bottom | 3 | 1 | 25.91 | 8.19 | 19.22 | 80.6 | 5.88 | 6.1 | 7.8 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS8 | 13:52:16 | 2.7 | Bottom | 3 | 2 | 25.84 | 8.18 | 19.29 | 79.1 | 5.77 | 6.5 | 8.6 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS(Mf)9 | 13:28:30 | 1.0 | Surface | 1 | 1 | 25.99 | 8.18 | 18.6 | 79.8 | 5.83 | 5.5 | 4.8 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS(Mf)9 | 13:28:57 | 1.0 | Surface | 1 | 2 | 26 | 8.18 | 18.6 | 79.6 | 5.81 | 6 | 5.6 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS(Mf)9 | 13:28:17 | 2.6 | Bottom | 3 | 1 | 26 | 8.18 | 18.6 | 79.8 | 5.83 | 6.9 | 7 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS(Mf)9 | 13:28:47 | 2.6 | Bottom | 3 | 2 | 25.99 | 8.18 | 18.6 | 79.5 | 5.81 | 7.5 | 6.6 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS10 | 14:29:14 | 1.0 | Surface | 1 | 1 | 25.95 | 8.14 | 18.59 | 83.3 | 6.09 | 10.8 | 6.8 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS10 | 14:29:48 | 1.0 | Surface | 1 | 2 | 25.92 | 8.14 | 18.54 | 82.4 | 6.03 | 10.5 | 8.1 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS10 | 14:29:02 | 5.2 | Middle | 2 | 1 | 25.75 | 8.13 | 19.29 | 81.7 | 5.97 | 11.4 | 8 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS10 | 14:29:37 | 5.2 | Middle | 2 | 2 | 25.69 | 8.13 | 19.54 | 81 | 5.92 | 11.1 | 7.4 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS10 | 14:29:27 | 9.3 | Bottom | 3 | 1 | 25.67 | 8.13 | 20.03 | 82.1 | 5.98 | 13.8 | 8.7 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | IS10 | 14:28:49 | 9.3 | Bottom | 3 | 2 | 25.72 | 8.13 | 19.61 | 81.9 | 5.98 | 13.7 | 8.6 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | SR3 | 12:51:34 | 0.8 | Middle | 2 | 1 | 26.15 | 8.31 | 18.73 | 84.8 | 6.18 | 7.1 | 11.2 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | SR3 | 12:51:25 | 0.8 | Middle | 2 | 2 | 26.15 | 8.34 | 18.74 | 85.3 | 6.21 | 7.5 | 10 | |

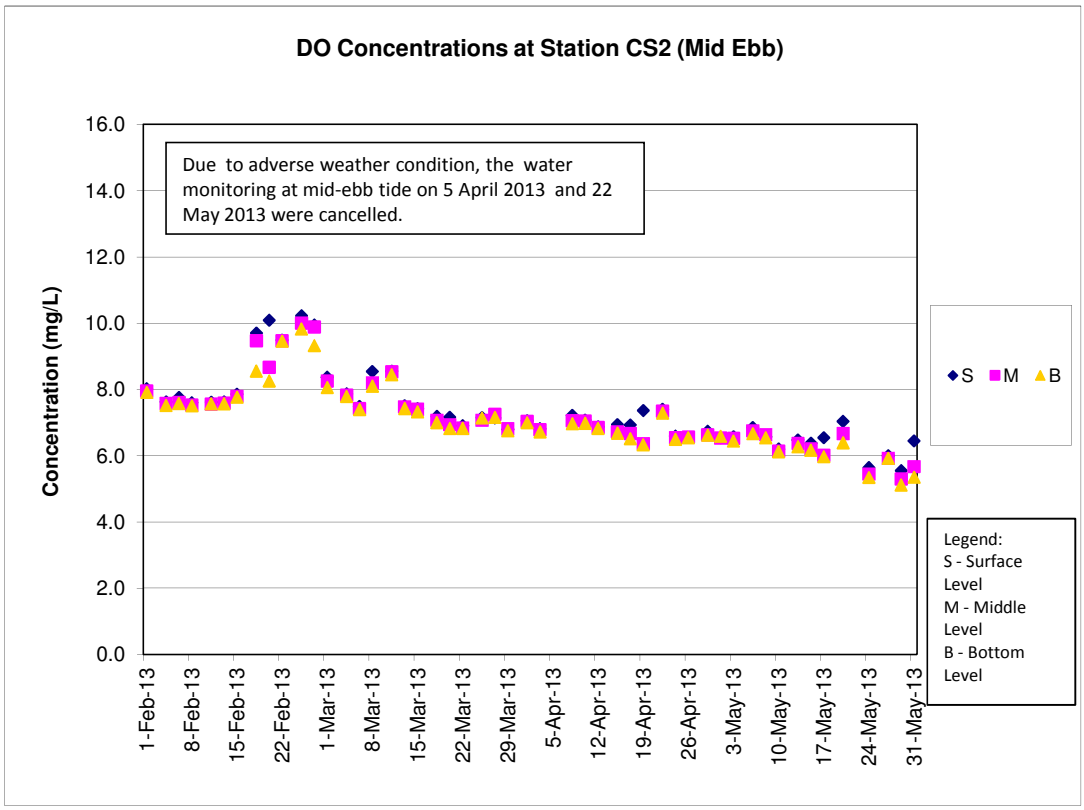
| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | SR4 | 13:42:32 | 1.0 | Surface | 1 | 1 | 26.09 | 8.15 | 17.21 | 76.4 | 5.61 | 5.1 | 6.6 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | SR4 | 13:43:05 | 1.0 | Surface | 1 | 2 | 26.25 | 8.15 | 16.83 | 77.8 | 5.72 | 5.5 | 4.8 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | SR4 | 13:42:46 | 3.2 | Bottom | 3 | 1 | 25.93 | 8.13 | 18.13 | 75.5 | 5.54 | 12.2 | 5.5 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | SR4 | 13:42:19 | 3.2 | Bottom | 3 | 2 | 25.94 | 8.13 | 18.06 | 77.2 | 5.67 | 11.8 | 5.1 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | SR5 | 14:16:48 | 1.0 | Surface | 1 | 1 | 25.98 | 8.13 | 18.57 | 85.1 | 6.22 | 8.5 | 7.2 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | SR5 | 14:17:09 | 1.0 | Surface | 1 | 2 | 25.97 | 8.13 | 18.61 | 84.5 | 6.18 | 8.5 | 5.9 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | SR5 | 14:16:57 | 3.5 | Bottom | 3 | 1 | 25.86 | 8.13 | 18.89 | 84.4 | 6.17 | 8.4 | 7.7 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | SR5 | 14:16:34 | 3.5 | Bottom | 3 | 2 | 25.93 | 8.13 | 18.61 | 84.9 | 6.21 | 8.4 | 6.9 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | SR10A | 15:30:47 | 1.0 | Surface | 1 | 1 | 26.14 | 8.2 | 18.08 | 83.6 | 6.11 | 4.7 | 5.6 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | SR10A | 15:30:07 | 1.0 | Surface | 1 | 2 | 26.1 | 8.21 | 18.19 | 83.3 | 6.09 | 5.1 | 5.5 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | SR10A | 15:29:58 | 3.4 | Middle | 2 | 1 | 26.07 | 8.21 | 18.29 | 82.9 | 6.06 | 5.3 | 8.4 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | SR10A | 15:30:36 | 3.4 | Middle | 2 | 2 | 26.11 | 8.21 | 18.12 | 83 | 6.07 | 4.9 | 6.9 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | SR10A | 15:30:22 | 5.7 | Bottom | 3 | 1 | 26.04 | 8.2 | 18.46 | 82.8 | 6.05 | 5.5 | 7.3 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | SR10A | 15:29:39 | 5.7 | Bottom | 3 | 2 | 26 | 8.21 | 18.58 | 82.7 | 6.04 | 5.8 | 7.2 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | SR10B | 15:49:28 | 1.0 | Surface | 1 | 1 | 26.12 | 8.21 | 18.09 | 88.8 | 6.49 | 6 | 8.4 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | SR10B | 15:50:01 | 1.0 | Surface | 1 | 2 | 26.1 | 8.2 | 18.13 | 83.2 | 6.09 | 6 | 8.2 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | SR10B | 15:48:20 | 4.9 | Bottom | 3 | 1 | 25.91 | 8.21 | 19.28 | 81.6 | 5.95 | 6.5 | 8.1 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | SR10B | 15:49:42 | 4.9 | Bottom | 3 | 2 | 26.09 | 8.2 | 18.17 | 84.5 | 6.17 | 6.1 | 9.3 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | CS2 | 12:52:43 | 1.0 | Surface | 1 | 1 | 25.81 | 8.17 | 18.84 | 81.6 | 5.98 | 9.6 | 9.1 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | CS2 | 12:52:03 | 1.0 | Surface | 1 | 2 | 25.82 | 8.18 | 18.91 | 82.4 | 6.03 | 8.4 | 8.4 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | CS2 | 12:52:31 | 4.0 | Middle | 2 | 1 | 25.61 | 8.18 | 19.54 | 80.6 | 5.9 | 8.8 | 8.8 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | CS2 | 12:51:53 | 4.0 | Middle | 2 | 2 | 25.67 | 8.19 | 19.47 | 81.4 | 5.95 | 8.8 | 10.4 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | CS2 | 12:51:24 | 6.9 | Bottom | 3 | 1 | 25.51 | 8.21 | 20.45 | 81 | 5.91 | 9.5 | 9.9 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | CS2 | 12:52:13 | 6.9 | Bottom | 3 | 2 | 25.65 | 8.18 | 20.59 | 81.7 | 5.94 | 9.6 | 9.2 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | CS(Mf)5 | 14:34:55 | 1.0 | Surface | 1 | 1 | 25.96 | 8.22 | 18.45 | 80.3 | 5.88 | 14.4 | 20.7 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | CS(Mf)5 | 14:33:46 | 1.0 | Surface | 1 | 2 | 25.96 | 8.23 | 18.37 | 80 | 5.86 | 15.8 | 19.5 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | CS(Mf)5 | 14:34:31 | 6.4 | Middle | 2 | 1 | 25.46 | 8.24 | 20.29 | 74.2 | 5.42 | 18 | 20.8 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | CS(Mf)5 | 14:33:23 | 6.4 | Middle | 2 | 2 | 25.42 | 8.24 | 20.51 | 73.2 | 5.34 | 19.5 | 20.5 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | CS(Mf)5 | 14:32:59 | 11.8 | Bottom | 3 | 1 | 24.72 | 8.26 | 25.32 | 70.4 | 5.06 | 41.1 | 18.8 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Ebb | Fine | CS(Mf)5 | 14:34:09 | 11.8 | Bottom | 3 | 2 | 24.87 | 8.21 | 25.1 | 74.2 | 5.33 | 39.7 | 19.4 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS5 | 07:52:09 | 1.0 | Surface | 1 | 1 | 25.86 | 8.18 | 19.73 | 78.1 | 5.68 | 5.7 | 7.8 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS5 | 07:52:51 | 1.0 | Surface | 1 | 2 | 25.87 | 8.18 | 19.67 | 78.2 | 5.69 | 5.5 | 7 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS5 | 07:52:31 | 4.6 | Middle | 2 | 1 | 25.64 | 8.18 | 20.36 | 75 | 5.46 | 7.1 | 7.1 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS5 | 07:51:49 | 4.6 | Middle | 2 | 2 | 25.67 | 8.18 | 20.2 | 74.9 | 5.45 | 7.4 | 7.3 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS5 | 07:51:38 | 8.2 | Bottom | 3 | 1 | 25.61 | 8.17 | 20.62 | 75 | 5.45 | 7.4 | 7.7 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS5 | 07:52:24 | 8.2 | Bottom | 3 | 2 | 25.64 | 8.17 | 20.58 | 76 | 5.53 | 6.8 | 7.7 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS(Mf)6 | 07:43:32 | 1.0 | Surface | 1 | 1 | 25.83 | 8.16 | 17.89 | 80.4 | 5.92 | 4.9 | 5 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS(Mf)6 | 07:43:53 | 1.0 | Surface | 1 | 2 | 25.81 | 8.16 | 17.89 | 80.1 | 5.89 | 4.7 | 6 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS(Mf)6 | 07:43:20 | 2.3 | Bottom | 3 | 1 | 25.78 | 8.16 | 18.47 | 80.1 | 5.88 | 4.8 | 5.7 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS(Mf)6 | 07:43:43 | 2.3 | Bottom | 3 | 2 | 25.78 | 8.15 | 18.42 | 80.1 | 5.88 | 4.7 | 6.5 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS7 | 07:36:22 | 1.0 | Surface | 1 | 1 | 25.81 | 8.17 | 17.96 | 81.6 | 6.01 | 9.7 | 6.7 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS7 | 07:36:49 | 1.0 | Surface | 1 | 2 | 25.8 | 8.17 | 18.07 | 81.2 | 5.97 | 10.1 | 7 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS7 | 07:36:36 | 2.3 | Bottom | 3 | 1 | 25.8 | 8.16 | 19.27 | 81.4 | 5.94 | 11.6 | 6.6 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS7 | 07:36:09 | 2.3 | Bottom | 3 | 2 | 25.81 | 8.17 | 18.7 | 82.2 | 6.02 | 12.3 | 6.6 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS8 | 07:12:53 | 1.0 | Surface | 1 | 1 | 25.76 | 8.13 | 16.93 | 76.1 | 5.63 | 5.3 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS8 | 07:13:18 | 1.0 | Surface | 1 | 2 | 25.79 | 8.13 | 16.93 | 76.1 | 5.64 | 5 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS8 | 07:12:42 | 2.7 | Bottom | 3 | 1 | 25.68 | 8.12 | 17.82 | 75.9 | 5.6 | 6.5 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS8 | 07:13:06 | 2.7 | Bottom | 3 | 2 | 25.68 | 8.12 | 17.95 | 75.6 | 5.58 | 6.1 | 4.5 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS(Mf)9 | 07:30:30 | 1.0 | Surface | 1 | 1 | 25.68 | 8.15 | 17.82 | 74.6 | 5.51 | 9 | 9.2 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS(Mf)9 | 07:29:45 | 1.0 | Surface | 1 | 2 | 25.74 | 8.14 | 17.9 | 76 | 5.6 | 8.4 | 8.2 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS(Mf)9 | 07:30:23 | 2.4 | Bottom | 3 | 1 | 25.58 | 8.13 | 19.11 | 74.7 | 5.48 | 11 | 8.8 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS(Mf)9 | 07:29:30 | 2.4 | Bottom | 3 | 2 | 25.66 | 8.14 | 18.44 | 75.3 | 5.54 | 10.3 | 8.4 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS10 | 07:30:53 | 1.0 | Surface | 1 | 1 | 25.63 | 8.04 | 17.84 | 74.5 | 5.5 | 9.3 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS10 | 07:30:14 | 1.0 | Surface | 1 | 2 | 25.62 | 8.04 | 17.85 | 73.7 | 5.44 | 9.5 | 5.2 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS10 | 07:30:02 | 5.4 | Middle | 2 | 1 | 25.44 | 8.07 | 19.42 | 70.9 | 5.21 | 9.4 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS10 | 07:30:39 | 5.4 | Middle | 2 | 2 | 25.47 | 8.05 | 19.4 | 72.6 | 5.33 | 9.1 | 5.3 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS10 | 07:29:49 | 9.7 | Bottom | 3 | 1 | 25.24 | 8.09 | 21.48 | 70.1 | 5.11 | 9.3 | 6.2 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | IS10 | 07:30:27 | 9.7 | Bottom | 3 | 2 | 25.48 | 8.04 | 20.58 | 73.6 | 5.36 | 9.5 | 7 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | SR3 | 07:58:08 | 0.9 | Middle | 2 | 1 | 25.87 | 8.18 | 19.11 | 82.4 | 6.01 | 5.7 | 7.2 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | SR3 | 07:57:59 | 0.9 | Middle | 2 | 2 | 25.86 | 8.18 | 19.16 | 82.5 | 6.02 | 5.3 | 8.1 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | SR4 | 07:19:27 | 1.0 | Surface | 1 | 1 | 25.81 | 8.12 | 16.69 | 82.8 | 6.13 | 6.1 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | SR4 | 07:19:45 | 1.0 | Surface | 1 | 2 | 25.77 | 8.11 | 17.12 | 78.6 | 5.81 | 5.8 | 4.8 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | SR4 | 07:19:35 | 2.5 | Bottom | 3 | 1 | 25.79 | 8.11 | 16.86 | 80.4 | 5.95 | 7 | 6.5 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | SR4 | 07:19:18 | 2.5 | Bottom | 3 | 2 | 25.8 | 8.12 | 16.79 | 80.9 | 5.98 | 7.3 | 7.1 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | SR5 | 07:37:36 | 1.0 | Surface | 1 | 1 | 25.65 | 8.03 | 17.81 | 76.2 | 5.62 | 5.2 | 6.3 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | SR5 | 07:37:59 | 1.0 | Surface | 1 | 2 | 25.64 | 8.03 | 17.86 | 76 | 5.61 | 5.2 | 7.1 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | SR5 | 07:37:45 | 3.6 | Bottom | 3 | 1 | 25.63 | 8.03 | 18.06 | 75.9 | 5.6 | 5.2 | 7.3 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | SR5 | 07:37:26 | 3.6 | Bottom | 3 | 2 | 25.64 | 8.03 | 17.96 | 76 | 5.61 | 5.1 | 7 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | SR10A | 06:15:31 | 1.0 | Surface | 1 | 1 | 25.75 | 8.16 | 17.29 | 74.7 | 5.52 | 4.1 | 6 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | SR10A | 06:14:45 | 1.0 | Surface | 1 | 2 | 25.77 | 8.15 | 17.1 | 74.5 | 5.51 | 4 | 5.5 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | SR10A | 06:15:12 | 3.5 | Middle | 2 | 1 | 25.49 | 8.2 | 19.28 | 74.9 | 5.5 | 4.4 | 5.4 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | SR10A | 06:14:29 | 3.5 | Middle | 2 | 2 | 25.58 | 8.2 | 18.1 | 74.7 | 5.51 | 4.7 | 6.2 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | SR10A | 06:14:20 | 5.9 | Bottom | 3 | 1 | 25.37 | 8.16 | 21.07 | 74.2 | 5.41 | 5.5 | 6 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | SR10A | 06:15:03 | 5.9 | Bottom | 3 | 2 | 25.28 | 8.16 | 21.95 | 74.3 | 5.39 | 5.2 | 5.8 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | SR10B | 06:08:38 | 1.0 | Surface | 1 | 1 | 24.83 | 8.31 | 23.25 | 72.9 | 5.3 | 5.8 | 9.3 | |

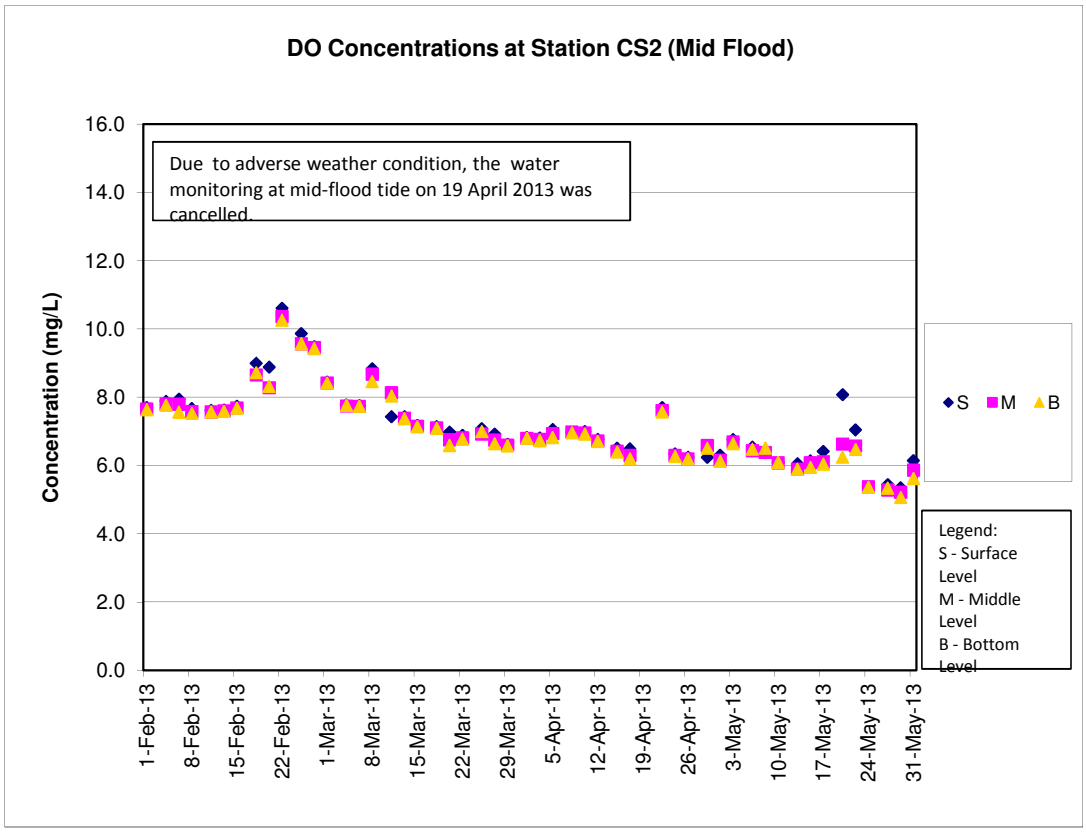
| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | SR10B | 06:07:58 | 1.0 | Surface | 1 | 2 | 24.75 | 8.31 | 23.18 | 73.2 | 5.33 | 6.2 | 10.8 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | SR10B | 06:08:22 | 4.6 | Bottom | 3 | 1 | 24.21 | 8.29 | 28.55 | 71.9 | 5.12 | 8 | 9.3 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | SR10B | 06:07:46 | 4.6 | Bottom | 3 | 2 | 24.19 | 8.26 | 28.92 | 72.5 | 5.15 | 8 | 10 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | CS2 | 09:11:11 | 1.0 | Surface | 1 | 1 | 25.62 | 8.05 | 18.05 | 73.8 | 5.44 | 8.5 | 6.1 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | CS2 | 09:11:48 | 1.0 | Surface | 1 | 2 | 25.63 | 8.05 | 18.05 | 74 | 5.45 | 8.2 | 7.8 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | CS2 | 09:11:34 | 4.2 | Middle | 2 | 1 | 25.35 | 8.07 | 20.39 | 71.8 | 5.25 | 8.1 | 6.4 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | CS2 | 09:10:59 | 4.2 | Middle | 2 | 2 | 25.45 | 8.06 | 19.64 | 72.5 | 5.32 | 8.1 | 8 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | CS2 | 09:10:48 | 7.3 | Bottom | 3 | 1 | 25.3 | 8.06 | 21.41 | 73.7 | 5.37 | 8.4 | 7.5 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | CS2 | 09:11:23 | 7.3 | Bottom | 3 | 2 | 25.36 | 8.06 | 21.38 | 73 | 5.31 | 8.2 | 7.3 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | CS(Mf)5 | 06:43:03 | 1.0 | Surface | 1 | 1 | 25.66 | 8.22 | 17.65 | 75.1 | 5.55 | 4.1 | 6.2 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | CS(Mf)5 | 06:42:15 | 1.0 | Surface | 1 | 2 | 25.64 | 8.23 | 17.65 | 75 | 5.54 | 4 | 5.7 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | CS(Mf)5 | 06:42:42 | 6.7 | Middle | 2 | 1 | 24.86 | 8.25 | 24.06 | 72.5 | 5.24 | 5.2 | 7.2 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | CS(Mf)5 | 06:41:58 | 6.7 | Middle | 2 | 2 | 24.91 | 8.26 | 24.08 | 72.6 | 5.24 | 4.7 | 6.9 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | CS(Mf)5 | 06:41:41 | 12.4 | Bottom | 3 | 1 | 24.72 | 8.23 | 25.41 | 72.4 | 5.2 | 5 | 7.1 | |
| HKLR | HY/2011/03 | 2013-05-27 | Mid-Flood | Fine | CS(Mf)5 | 06:42:33 | 12.4 | Bottom | 3 | 2 | 24.76 | 8.21 | 25.4 | 72.7 | 5.22 | 5.1 | 6.7 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS5 | 15:00:39 | 1.0 | Surface | 1 | 1 | 26.85 | 8.16 | 17.13 | 77 | 5.59 | 10.4 | 6.8 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS5 | 15:01:09 | 1.0 | Surface | 1 | 2 | 26.6 | 8.17 | 17.4 | 74.7 | 5.44 | 10.4 | 7.4 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS5 | 15:01:01 | 4.4 | Middle | 2 | 1 | 25.92 | 8.14 | 20.74 | 72.5 | 5.24 | 10.5 | 6.1 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS5 | 15:00:29 | 4.4 | Middle | 2 | 2 | 25.82 | 8.13 | 21.28 | 73.1 | 5.28 | 10.2 | 7.1 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS5 | 15:00:18 | 7.8 | Bottom | 3 | 1 | 25.64 | 8.12 | 23.35 | 77.6 | 5.55 | 10.4 | 6.2 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS5 | 15:00:49 | 7.8 | Bottom | 3 | 2 | 25.59 | 8.11 | 23.29 | 77.1 | 5.52 | 10.4 | 6.4 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS(Mf)6 | 15:12:20 | 1.0 | Surface | 1 | 1 | 27.22 | 8.12 | 15.36 | 83.5 | 6.08 | 8 | 5.5 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS(Mf)6 | 15:12:39 | 1.0 | Surface | 1 | 2 | 27.23 | 8.12 | 15.86 | 84.2 | 6.11 | 7.9 | 5.9 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS(Mf)6 | 15:12:27 | 2.2 | Bottom | 3 | 1 | 27.11 | 8.11 | 16.9 | 83.6 | 6.05 | 7.2 | 5.7 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS(Mf)6 | 15:12:11 | 2.2 | Bottom | 3 | 2 | 27 | 8.1 | 17.51 | 83.4 | 6.02 | 7.3 | 5.9 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS7 | 15:18:17 | 1.0 | Surface | 1 | 1 | 26.59 | 8.05 | 16.97 | 76.3 | 5.54 | 8.4 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS7 | 15:18:40 | 1.0 | Surface | 1 | 2 | 26.58 | 8.04 | 17.06 | 73.3 | 5.34 | 8.5 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS7 | 15:18:29 | 2.4 | Bottom | 3 | 1 | 26.48 | 8.04 | 17.56 | 70.8 | 5.17 | 8.5 | 3 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS7 | 15:18:08 | 2.4 | Bottom | 3 | 2 | 26.51 | 8.04 | 17.65 | 75.4 | 5.48 | 8.5 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS8 | 15:42:39 | 1.0 | Surface | 1 | 1 | 27.21 | 8.11 | 15.04 | 80.1 | 5.85 | 3.9 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS8 | 15:43:06 | 1.0 | Surface | 1 | 2 | 27.57 | 8.12 | 14.78 | 80 | 5.81 | 4 | 2.3 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS8 | 15:42:57 | 2.7 | Bottom | 3 | 1 | 26.8 | 8.1 | 17.89 | 78.4 | 5.67 | 4.8 | 2.4 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS8 | 15:42:26 | 2.7 | Bottom | 3 | 2 | 26.85 | 8.08 | 18.08 | 78.9 | 5.7 | 4.7 | 3 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS(Mf)9 | 15:25:45 | 1.0 | Surface | 1 | 1 | 27.08 | 8.08 | 15.5 | 75.2 | 5.48 | 4.5 | 3.7 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS(Mf)9 | 15:26:08 | 1.0 | Surface | 1 | 2 | 26.61 | 8.06 | 16.59 | 72.1 | 5.27 | 4.5 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS(Mf)9 | 15:25:57 | 2.6 | Bottom | 3 | 1 | 26.43 | 8.05 | 17.95 | 72.9 | 5.31 | 5.3 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS(Mf)9 | 15:25:35 | 2.6 | Bottom | 3 | 2 | 26.57 | 8.05 | 17.7 | 75.2 | 5.47 | 5.2 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS10 | 16:04:49 | 1.0 | Surface | 1 | 1 | 27.31 | 8.07 | 14.28 | 80 | 5.85 | 5.4 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS10 | 16:03:47 | 1.0 | Surface | 1 | 2 | 27.23 | 8.07 | 14.43 | 78.5 | 5.75 | 5.6 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS10 | 16:04:28 | 5.6 | Middle | 2 | 1 | 26.69 | 8.09 | 15.63 | 71.8 | 5.27 | 10.6 | 2.9 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS10 | 16:03:31 | 5.6 | Middle | 2 | 2 | 26.63 | 8.09 | 15.78 | 71.7 | 5.26 | 10.6 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS10 | 16:03:19 | 10.2 | Bottom | 3 | 1 | 25.68 | 8.09 | 21.93 | 68.1 | 4.91 | 17.1 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | IS10 | 16:04:17 | 10.2 | Bottom | 3 | 2 | 25.69 | 8.09 | 21.9 | 68.3 | 4.92 | 17.2 | 2.5 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | SR3 | 14:54:05 | 0.8 | Middle | 2 | 1 | 27.58 | 8.24 | 17.13 | 90.5 | 6.48 | 3.3 | 2.7 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | SR3 | 14:53:57 | 0.8 | Middle | 2 | 2 | 27.54 | 8.26 | 17.21 | 90.6 | 6.49 | 3.3 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | SR4 | 15:37:28 | 1.0 | Surface | 1 | 1 | 26.58 | 8.09 | 16.95 | 71.4 | 5.21 | 8.7 | 4 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | SR4 | 15:37:05 | 1.0 | Surface | 1 | 2 | 26.7 | 8.1 | 16.75 | 73 | 5.32 | 8.9 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | SR4 | 15:36:55 | 2.7 | Bottom | 3 | 1 | 26.22 | 8.08 | 18.94 | 71.9 | 5.23 | 9.4 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | SR4 | 15:37:17 | 2.7 | Bottom | 3 | 2 | 26.23 | 8.08 | 18.85 | 71.5 | 5.19 | 9.5 | 4 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | SR5 | 15:53:11 | 1.0 | Surface | 1 | 1 | 27.16 | 8.05 | 14.23 | 78.3 | 5.75 | 4.1 | 2.9 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | SR5 | 15:53:59 | 1.0 | Surface | 1 | 2 | 26.87 | 8.05 | 15.31 | 77.9 | 5.71 | 4.1 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | SR5 | 15:52:50 | 4.5 | Bottom | 3 | 1 | 26.7 | 8.02 | 16.01 | 76.6 | 5.61 | 4.7 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | SR5 | 15:53:26 | 4.5 | Bottom | 3 | 2 | 26.65 | 8.02 | 16.61 | 76.4 | 5.58 | 4.3 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | SR10A | 16:47:59 | 1.0 | Surface | 1 | 1 | 27.45 | 8.17 | 15.44 | 83.8 | 6.07 | 3.4 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | SR10A | 16:48:32 | 1.0 | Surface | 1 | 2 | 27.35 | 8.17 | 15.86 | 83.9 | 6.08 | 3.4 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | SR10A | 16:48:18 | 3.1 | Middle | 2 | 1 | 26.78 | 8.16 | 17.51 | 81.5 | 5.91 | 3.4 | 4 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | SR10A | 16:47:49 | 3.1 | Middle | 2 | 2 | 26.88 | 8.16 | 17.04 | 80.7 | 5.86 | 3.3 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | SR10A | 16:47:37 | 5.2 | Bottom | 3 | 1 | 26.7 | 8.15 | 18.28 | 81.1 | 5.86 | 3.5 | 2.4 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | SR10A | 16:48:10 | 5.2 | Bottom | 3 | 2 | 26.73 | 8.14 | 18.8 | 82.8 | 5.96 | 3.3 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | SR10B | 16:58:50 | 1.0 | Surface | 1 | 1 | 26.99 | 8.17 | 16.65 | 82.3 | 5.98 | 2.8 | 2.2 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | SR10B | 16:59:17 | 1.0 | Surface | 1 | 2 | 26.94 | 8.16 | 17.22 | 81.8 | 5.93 | 2.8 | 2.7 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | SR10B | 16:59:06 | 4.0 | Bottom | 3 | 1 | 26.77 | 8.16 | 18.02 | 81.4 | 5.88 | 2.7 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | SR10B | 16:58:41 | 4.0 | Bottom | 3 | 2 | 26.84 | 8.16 | 17.94 | 81.9 | 5.92 | 2.8 | 2.9 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | CS2 | 14:53:35 | 1.0 | Surface | 1 | 1 | 26.92 | 8.14 | 13.94 | 74.9 | 5.53 | 9 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | CS2 | 14:54:16 | 1.0 | Surface | 1 | 2 | 26.98 | 8.11 | 14.29 | 75.7 | 5.57 | 9.4 | 2.4 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | CS2 | 14:54:07 | 4.1 | Middle | 2 | 1 | 26.56 | 8.12 | 16.42 | 72.8 | 5.33 | 13.2 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | CS2 | 14:53:27 | 4.1 | Middle | 2 | 2 | 26.23 | 8.15 | 16.83 | 71.9 | 5.28 | 13.7 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | CS2 | 14:53:18 | 7.2 | Bottom | 3 | 1 | 25.89 | 8.14 | 21.01 | 71.4 | 5.15 | 15.7 | 2.9 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | CS2 | 14:53:55 | 7.2 | Bottom | 3 | 2 | 25.61 | 8.11 | 22.56 | 70.8 | 5.09 | 15.3 | 3 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | CS(Mf)5 | 16:21:35 | 1.0 | Surface | 1 | 1 | 27.4 | 8.23 | 13.71 | 78 | 5.72 | 5.4 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | CS(Mf)5 | 16:22:21 | 1.0 | Surface | 1 | 2 | 27.62 | 8.22 | 13.41 | 79.7 | 5.83 | 5.2 | 2.4 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | CS(Mf)5 | 16:21:22 | 6.2 | Middle | 2 | 1 | 25.64 | 8.19 | 21.82 | 72.2 | 5.21 | 8.1 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | CS(Mf)5 | 16:22:07 | 6.2 | Middle | 2 | 2 | 26.24 | 8.19 | 21.54 | 73.5 | 5.26 | 8.3 | 2.3 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | CS(Mf)5 | 16:21:53 | 11.3 | Bottom | 3 | 1 | 24.93 | 8.14 | 26.47 | 75.5 | 5.38 | 8.2 | 5.2 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Ebb | Sunny | CS(Mf)5 | 16:21:09 | 11.3 | Bottom | 3 | 2 | 24.88 | 8.15 | 26.53 | 75.8 | 5.4 | 8.2 | 4.6 | |

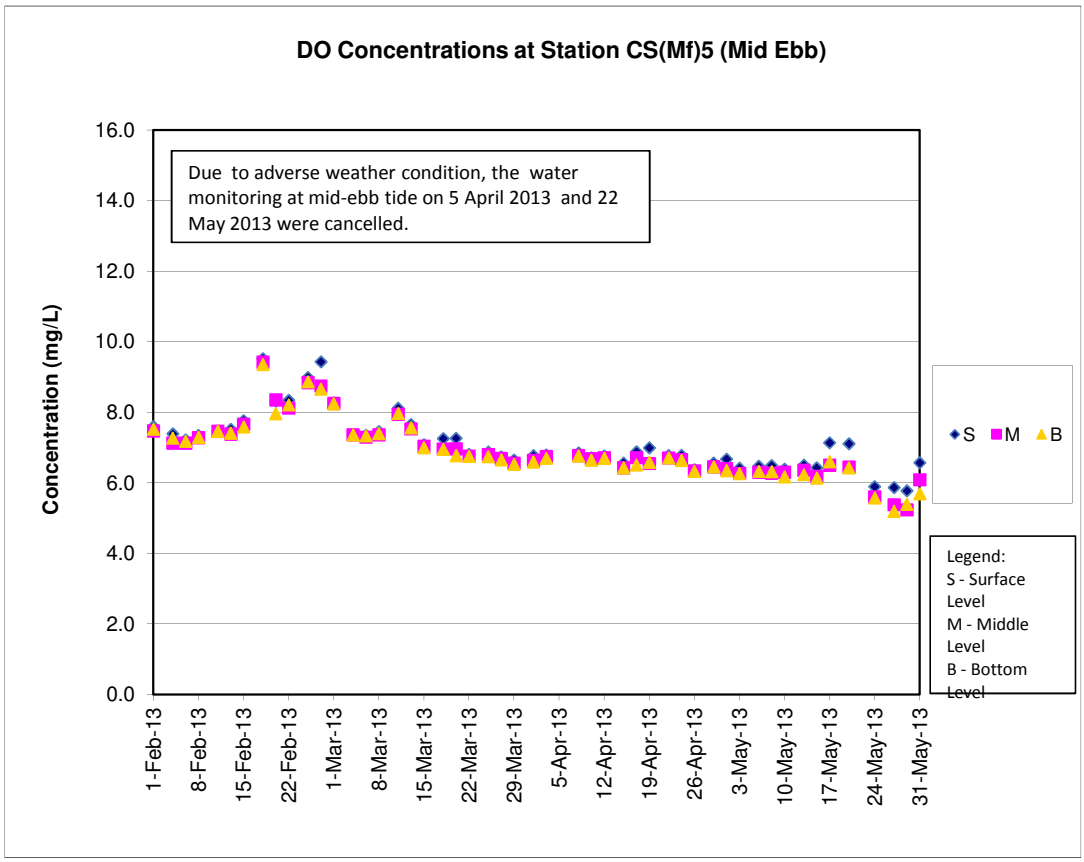
| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS5 | 09:47:11 | 1.0 | Surface | 1 | 1 | 26.99 | 8.12 | 15.04 | 79.8 | 5.85 | 5.3 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS5 | 09:46:37 | 1.0 | Surface | 1 | 2 | 26.98 | 8.13 | 15.04 | 79.1 | 5.79 | 5.5 | 3.6 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS5 | 09:46:57 | 4.5 | Middle | 2 | 1 | 26.74 | 8.12 | 16.04 | 77.4 | 5.66 | 7.6 | 3.6 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS5 | 09:46:25 | 4.5 | Middle | 2 | 2 | 26.66 | 8.13 | 16.58 | 76.6 | 5.59 | 7.8 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS5 | 09:46:48 | 7.9 | Bottom | 3 | 1 | 26.61 | 8.08 | 19.33 | 78.4 | 5.65 | 9.6 | 4.2 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS5 | 09:46:16 | 7.9 | Bottom | 3 | 2 | 26.51 | 8.09 | 19.72 | 77.8 | 5.6 | 9.7 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS(Mf)6 | 09:18:41 | 1.0 | Surface | 1 | 1 | 26.89 | 8.03 | 14.27 | 76.1 | 5.61 | 3.6 | 4.6 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS(Mf)6 | 09:19:01 | 1.0 | Surface | 1 | 2 | 26.87 | 8.04 | 14.32 | 76.4 | 5.63 | 3.6 | 4.9 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS(Mf)6 | 09:18:48 | 2.1 | Bottom | 3 | 1 | 26.87 | 8.04 | 14.45 | 76.3 | 5.62 | 3.6 | 4.3 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS(Mf)6 | 09:18:29 | 2.1 | Bottom | 3 | 2 | 26.87 | 8.04 | 14.4 | 76.6 | 5.64 | 3.6 | 5.1 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS7 | 09:12:35 | 1.0 | Surface | 1 | 1 | 26.87 | 8.08 | 14.7 | 79.5 | 5.85 | 2.8 | 3.8 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS7 | 09:12:15 | 1.0 | Surface | 1 | 2 | 26.88 | 8.08 | 14.56 | 79.5 | 5.85 | 2.8 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS7 | 09:12:22 | 2.4 | Bottom | 3 | 1 | 26.88 | 8.08 | 14.97 | 79.5 | 5.84 | 2.8 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS7 | 09:12:02 | 2.4 | Bottom | 3 | 2 | 26.88 | 8.08 | 15.13 | 80 | 5.87 | 2.6 | 2.8 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS8 | 08:50:33 | 1.0 | Surface | 1 | 1 | 26.86 | 8.02 | 12.89 | 72.5 | 5.39 | 6.3 | 4.6 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS8 | 08:50:04 | 1.0 | Surface | 1 | 2 | 26.83 | 8.03 | 12.89 | 72.4 | 5.38 | 6.5 | 4 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS8 | 08:50:16 | 3.3 | Bottom | 3 | 1 | 26.68 | 8 | 14.52 | 71.7 | 5.3 | 7 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS8 | 08:49:52 | 3.3 | Bottom | 3 | 2 | 26.69 | 8 | 14.7 | 72.1 | 5.32 | 7.2 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS(Mf)9 | 09:06:12 | 1.0 | Surface | 1 | 1 | 26.93 | 8.06 | 13.5 | 75.2 | 5.56 | 4.6 | 4.2 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS(Mf)9 | 09:05:49 | 1.0 | Surface | 1 | 2 | 26.77 | 8.07 | 14.22 | 75.1 | 5.55 | 4.5 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS(Mf)9 | 09:05:39 | 2.6 | Bottom | 3 | 1 | 26.69 | 8.04 | 16.38 | 75 | 5.48 | 4.8 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS(Mf)9 | 09:05:57 | 2.6 | Bottom | 3 | 2 | 26.72 | 8.04 | 16.1 | 74.7 | 5.46 | 4.8 | 4 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS10 | 09:10:01 | 1.0 | Surface | 1 | 1 | 26.73 | 7.98 | 15.29 | 72.7 | 5.34 | 16.3 | 6.1 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS10 | 09:10:48 | 1.0 | Surface | 1 | 2 | 26.76 | 7.97 | 15.11 | 72.7 | 5.34 | 15.9 | 6.5 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS10 | 09:10:34 | 5.8 | Middle | 2 | 1 | 26.64 | 7.99 | 15.59 | 72 | 5.29 | 17.7 | 5.5 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS10 | 09:09:54 | 5.8 | Middle | 2 | 2 | 26.63 | 7.99 | 15.56 | 72 | 5.29 | 17.6 | 7 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS10 | 09:09:45 | 10.6 | Bottom | 3 | 1 | 26.55 | 7.97 | 16.64 | 72 | 5.27 | 18.2 | 8.3 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | IS10 | 09:10:25 | 10.6 | Bottom | 3 | 2 | 26.58 | 7.97 | 16.45 | 71.9 | 5.26 | 17.9 | 7.7 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | SR3 | 09:51:28 | 0.7 | Middle | 2 | 1 | 26.99 | 8.12 | 15.97 | 82.2 | 5.99 | 4.8 | 4.3 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | SR3 | 09:51:35 | 0.7 | Middle | 2 | 2 | 26.99 | 8.12 | 15.99 | 81.9 | 5.97 | 4.8 | 2.9 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | SR4 | 08:56:53 | 1.0 | Surface | 1 | 1 | 26.76 | 8 | 13.42 | 70.4 | 5.22 | 5.7 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | SR4 | 08:56:17 | 1.0 | Surface | 1 | 2 | 26.76 | 8.01 | 13.46 | 70.6 | 5.24 | 5.7 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | SR4 | 08:56:41 | 2.9 | Bottom | 3 | 1 | 26.76 | 7.99 | 13.86 | 70.3 | 5.21 | 7.7 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | SR4 | 08:56:06 | 2.9 | Bottom | 3 | 2 | 26.7 | 8 | 14.21 | 70.7 | 5.23 | 7.5 | 3.7 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | SR5 | 09:19:47 | 1.0 | Surface | 1 | 1 | 26.74 | 7.97 | 15.23 | 72.7 | 5.35 | 17.1 | 8.1 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | SR5 | 09:19:31 | 1.0 | Surface | 1 | 2 | 26.73 | 7.97 | 15.28 | 72.7 | 5.34 | 17.3 | 7.5 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | SR5 | 09:19:23 | 4.5 | Bottom | 3 | 1 | 26.73 | 7.96 | 15.42 | 72.4 | 5.32 | 17.5 | 5.7 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | SR5 | 09:19:40 | 4.5 | Bottom | 3 | 2 | 26.74 | 7.96 | 15.35 | 72.5 | 5.32 | 17.2 | 7.1 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | SR10A | 07:47:56 | 1.0 | Surface | 1 | 1 | 26.79 | 8.12 | 15.04 | 77.4 | 5.69 | 2.5 | 2.2 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | SR10A | 07:48:34 | 1.0 | Surface | 1 | 2 | 26.74 | 8.11 | 15.68 | 77.7 | 5.69 | 2.5 | 2.1 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | SR10A | 07:48:25 | 3.3 | Middle | 2 | 1 | 26.65 | 8.11 | 16.37 | 77.4 | 5.66 | 2.5 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | SR10A | 07:47:47 | 3.3 | Middle | 2 | 2 | 26.57 | 8.14 | 16.3 | 77.2 | 5.66 | 2.5 | 3.9 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | SR10A | 07:48:13 | 5.6 | Bottom | 3 | 1 | 26.59 | 8.09 | 17.53 | 77 | 5.6 | 2.4 | 2.1 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | SR10A | 07:47:37 | 5.6 | Bottom | 3 | 2 | 26.42 | 8.11 | 18.35 | 76.8 | 5.58 | 2.3 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | SR10B | 07:43:10 | 1.0 | Surface | 1 | 1 | 26.43 | 8.13 | 17.5 | 76.9 | 5.61 | 2.6 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | SR10B | 07:43:35 | 1.0 | Surface | 1 | 2 | 26.15 | 8.17 | 17.88 | 76 | 5.56 | 2.6 | 4 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | SR10B | 07:42:52 | 4.2 | Bottom | 3 | 1 | 26.37 | 8.14 | 22.33 | 76.6 | 5.58 | 2.7 | 2.8 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | SR10B | 07:43:28 | 4.2 | Bottom | 3 | 2 | 26.07 | 8.12 | 21.56 | 75.8 | 5.44 | 2.6 | 2.8 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | CS2 | 10:21:40 | 1.0 | Surface | 1 | 1 | 26.76 | 8.02 | 12.9 | 71.9 | 5.35 | 11.5 | 5.8 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | CS2 | 10:22:03 | 1.0 | Surface | 1 | 2 | 26.63 | 8.04 | 13.35 | 71.8 | 5.35 | 11.7 | 6.5 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | CS2 | 10:21:31 | 4.1 | Middle | 2 | 1 | 26.33 | 8.06 | 17.01 | 70.7 | 5.18 | 13.6 | 4.8 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | CS2 | 10:21:57 | 4.1 | Middle | 2 | 2 | 26.02 | 8.06 | 15.47 | 70.7 | 5.26 | 13.4 | 4.6 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | CS2 | 10:21:16 | 7.2 | Bottom | 3 | 1 | 25.77 | 8.06 | 21 | 70 | 5.06 | 14.4 | 7.6 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | CS2 | 10:21:51 | 7.2 | Bottom | 3 | 2 | 26.07 | 8 | 20.89 | 70.5 | 5.08 | 14.6 | 7.9 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | CS(Mf)5 | 08:19:36 | 1.0 | Surface | 1 | 1 | 26.35 | 8.21 | 15.53 | 73 | 5.4 | 4.8 | 3.6 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | CS(Mf)5 | 08:18:58 | 1.0 | Surface | 1 | 2 | 26.52 | 8.19 | 15.18 | 72.7 | 5.36 | 4.7 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | CS(Mf)5 | 08:19:25 | 6.3 | Middle | 2 | 1 | 25.59 | 8.22 | 21.56 | 71.7 | 5.19 | 5.4 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | CS(Mf)5 | 08:18:45 | 6.3 | Middle | 2 | 2 | 25.51 | 8.23 | 21.47 | 71.3 | 5.17 | 5.3 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | CS(Mf)5 | 08:18:35 | 11.6 | Bottom | 3 | 1 | 25.09 | 8.15 | 26.2 | 70.4 | 5 | 5.3 | 4.6 | |
| HKLR | HY/2011/03 | 2013-05-29 | Mid-Flood | Sunny | CS(Mf)5 | 08:19:13 | 11.6 | Bottom | 3 | 2 | 25.27 | 8.14 | 26.1 | 70.5 | 5 | 5.3 | 4.1 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS5 | 16:29:46 | 1.0 | Surface | 1 | 1 | 28.07 | 8.36 | 17.33 | 90.3 | 6.41 | 4.5 | 3 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS5 | 16:30:15 | 1.0 | Surface | 1 | 2 | 27.93 | 8.32 | 17.44 | 86.9 | 6.16 | 4.3 | 2.7 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS5 | 16:30:05 | 4.6 | Middle | 2 | 1 | 25.47 | 8.23 | 23.46 | 81.5 | 5.8 | 4.4 | 2.9 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS5 | 16:29:31 | 4.6 | Middle | 2 | 2 | 25.81 | 8.25 | 22.02 | 86.8 | 6.15 | 4.6 | 2.8 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS5 | 16:29:57 | 8.2 | Bottom | 3 | 1 | 25.28 | 8.25 | 26.1 | 76 | 5.45 | 4.9 | 3.1 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS5 | 16:29:21 | 8.2 | Bottom | 3 | 2 | 25.35 | 8.25 | 25.89 | 74.9 | 5.38 | 4.8 | 2.3 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS(Mf)6 | 17:03:37 | 1.0 | Surface | 1 | 1 | 28.42 | 8.41 | 16.21 | 113.5 | 8.03 | 6.3 | 2.5 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS(Mf)6 | 17:03:19 | 1.0 | Surface | 1 | 2 | 28.61 | 8.43 | 15.22 | 114.9 | 8.17 | 6.2 | 2 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS(Mf)6 | 17:03:27 | 2.3 | Bottom | 3 | 1 | 28.27 | 8.4 | 17.32 | 111.8 | 7.94 | 6.4 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS(Mf)6 | 17:03:10 | 2.3 | Bottom | 3 | 2 | 27.8 | 8.41 | 17.78 | 113.1 | 8.05 | 6.4 | 4.2 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS7 | 17:18:47 | 1.0 | Surface | 1 | 1 | 28.09 | 8.31 | 15.98 | 94.3 | 6.74 | 8.3 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS7 | 17:18:20 | 1.0 | Surface | 1 | 2 | 28.5 | 8.38 | 16.12 | 105.9 | 7.52 | 8.2 | 4.4 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS7 | 17:18:05 | 2.4 | Bottom | 3 | 1 | 27.05 | 8.29 | 18 | 100.2 | 7.22 | 8.7 | 3.6 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS7 | 17:18:32 | 2.4 | Bottom | 3 | 2 | 27.23 | 8.25 | 18.14 | 92.8 | 6.65 | 8.9 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS8 | 17:38:04 | 1.0 | Surface | 1 | 1 | 28.02 | 8.45 | 15.22 | 119.7 | 8.49 | 2.5 | 1.3 | |

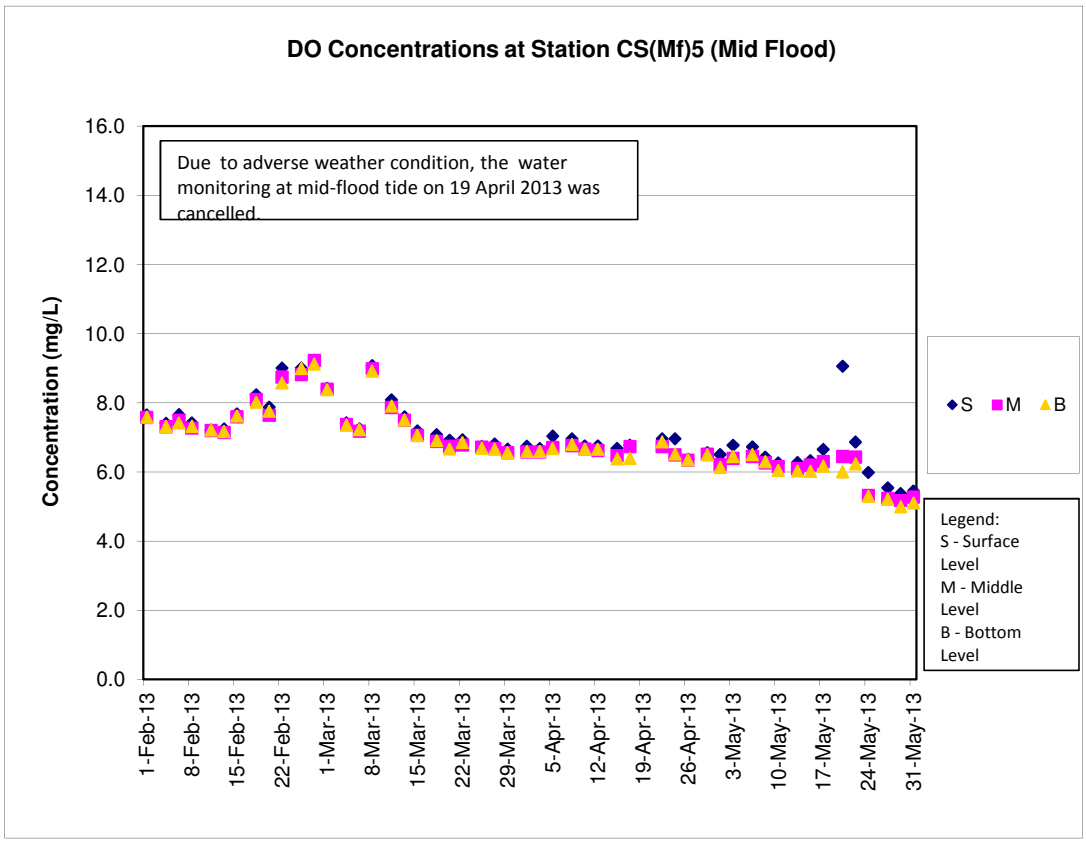
| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS8 | 17:37:55 | 1.0 | Surface | 1 | 2 | 28.33 | 8.48 | 15.05 | 118.6 | 8.49 | 2.5 | 1.6 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS8 | 17:37:49 | 2.3 | Bottom | 3 | 1 | 28.4 | 8.47 | 16.43 | 117.6 | 8.35 | 2.5 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS8 | 17:38:00 | 2.3 | Bottom | 3 | 2 | 28.28 | 8.47 | 16.74 | 117.8 | 8.47 | 2.5 | 2.1 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS(Mf)9 | 17:24:33 | 1.0 | Surface | 1 | 1 | 27.77 | 8.42 | 15.1 | 109.1 | 7.88 | 2.8 | 2.9 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS(Mf)9 | 17:24:47 | 1.0 | Surface | 1 | 2 | 27.68 | 8.39 | 15.86 | 110.7 | 7.93 | 2.8 | 2.5 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS(Mf)9 | 17:24:38 | 2.3 | Bottom | 3 | 1 | 27.74 | 8.4 | 16.76 | 108 | 7.78 | 3 | 2.9 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS(Mf)9 | 17:24:27 | 2.3 | Bottom | 3 | 2 | 27.8 | 8.42 | 17.3 | 108.5 | 7.74 | 2.9 | 3.3 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS10 | 17:44:39 | 1.0 | Surface | 1 | 1 | 27.38 | 8.24 | 17.4 | 83.8 | 6.01 | 3.8 | 1.9 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS10 | 17:45:27 | 1.0 | Surface | 1 | 2 | 27.53 | 8.26 | 16.75 | 84.6 | 6.08 | 3.9 | 1.4 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS10 | 17:45:16 | 5.6 | Middle | 2 | 1 | 27.01 | 8.21 | 18.98 | 77.8 | 5.57 | 3.9 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS10 | 17:44:26 | 5.6 | Middle | 2 | 2 | 26.98 | 8.21 | 19.1 | 78.7 | 5.64 | 4 | 3.6 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS10 | 17:44:03 | 10.2 | Bottom | 3 | 1 | 25.96 | 8.15 | 22.79 | 76.4 | 5.45 | 5.3 | 2.5 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | IS10 | 17:44:56 | 10.2 | Bottom | 3 | 2 | 25.97 | 8.15 | 22.68 | 74.8 | 5.34 | 5.5 | 2.3 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | SR3 | 16:23:35 | 1.0 | Middle | 2 | 1 | 28.15 | 8.47 | 17.31 | 106.6 | 7.56 | 3 | 4 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | SR3 | 16:23:32 | 1.0 | Middle | 2 | 2 | 28.11 | 8.47 | 17.38 | 106 | 7.52 | 3.1 | 3 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | SR4 | 17:31:40 | 1.0 | Surface | 1 | 1 | 28.16 | 8.47 | 15.13 | 118.5 | 8.5 | 2.5 | 1.9 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | SR4 | 17:31:31 | 1.0 | Surface | 1 | 2 | 28.53 | 8.48 | 14.99 | 121.6 | 8.58 | 2.5 | 1.6 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | SR4 | 17:31:36 | 2.4 | Bottom | 3 | 1 | 28.44 | 8.48 | 16.64 | 119.7 | 8.47 | 2.6 | 2.1 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | SR4 | 17:31:26 | 2.4 | Bottom | 3 | 2 | 28.76 | 8.5 | 16.4 | 119.3 | 8.52 | 2.6 | 2.4 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | SR5 | 17:32:15 | 1.0 | Surface | 1 | 1 | 27.73 | 8.27 | 16.36 | 88.3 | 6.34 | 3.5 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | SR5 | 17:32:46 | 1.0 | Surface | 1 | 2 | 27.86 | 8.3 | 15.28 | 88.4 | 6.37 | 3.5 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | SR5 | 17:31:55 | 4.5 | Bottom | 3 | 1 | 26.9 | 8.2 | 19.36 | 85.1 | 6.09 | 3.8 | 2.9 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | SR5 | 17:32:33 | 4.5 | Bottom | 3 | 2 | 26.86 | 8.19 | 19.42 | 83.8 | 6.01 | 4 | 2.7 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | SR10A | 18:37:31 | 1.0 | Surface | 1 | 1 | 28.71 | 8.37 | 14.79 | 95.8 | 6.85 | 3.3 | 2.9 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | SR10A | 18:37:52 | 1.0 | Surface | 1 | 2 | 28.63 | 8.37 | 15.06 | 100.9 | 7.22 | 3.4 | 2.5 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | SR10A | 18:37:22 | 3.2 | Middle | 2 | 1 | 27.05 | 8.29 | 18.39 | 94.9 | 6.82 | 3.5 | 2.5 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | SR10A | 18:37:44 | 3.2 | Middle | 2 | 2 | 27.04 | 8.31 | 18.59 | 97.1 | 6.91 | 3.6 | 2.2 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | SR10A | 18:37:17 | 5.3 | Bottom | 3 | 1 | 26.75 | 8.31 | 18.54 | 91.3 | 6.56 | 3.7 | 2.4 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | SR10A | 18:37:39 | 5.3 | Bottom | 3 | 2 | 27.08 | 8.35 | 18.86 | 95.8 | 6.87 | 3.8 | 2.4 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | SR10B | 18:45:48 | 1.0 | Surface | 1 | 1 | 28.77 | 8.44 | 14.84 | 111.2 | 7.91 | 3 | 1.8 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | SR10B | 18:45:11 | 1.0 | Surface | 1 | 2 | 28.06 | 8.38 | 15.32 | 103.2 | 7.41 | 2.9 | 1.4 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | SR10B | 18:45:18 | 3.4 | Bottom | 3 | 1 | 28.13 | 8.37 | 17.88 | 103.6 | 7.33 | 3.2 | 2.8 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | SR10B | 18:45:04 | 3.4 | Bottom | 3 | 2 | 28.38 | 8.39 | 17.49 | 103.7 | 7.32 | 3 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | CS2 | 16:32:33 | 1.0 | Surface | 1 | 1 | 28.61 | 8.4 | 15.35 | 91.1 | 6.48 | 3.1 | 2.2 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | CS2 | 16:33:35 | 1.0 | Surface | 1 | 2 | 28.39 | 8.36 | 15.65 | 90.1 | 6.42 | 2.9 | 2.2 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | CS2 | 16:33:24 | 4.1 | Middle | 2 | 1 | 27.02 | 8.26 | 18.81 | 79.9 | 5.73 | 3.1 | 2.8 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | CS2 | 16:32:22 | 4.1 | Middle | 2 | 2 | 27.04 | 8.28 | 18.47 | 78.3 | 5.62 | 3.4 | 3 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | CS2 | 16:32:12 | 7.2 | Bottom | 3 | 1 | 26.43 | 8.23 | 20.77 | 75.1 | 5.38 | 3.5 | 2.2 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | CS2 | 16:33:09 | 7.2 | Bottom | 3 | 2 | 26.31 | 8.19 | 21.17 | 74.4 | 5.33 | 3.8 | 3 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | CS(Mf)5 | 18:08:37 | 1.0 | Surface | 1 | 1 | 28.75 | 8.41 | 15 | 95.5 | 6.79 | 3.1 | 2.4 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | CS(Mf)5 | 18:07:51 | 1.0 | Surface | 1 | 2 | 28.24 | 8.37 | 15.74 | 90.3 | 6.35 | 3.3 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | CS(Mf)5 | 18:08:21 | 6.6 | Middle | 2 | 1 | 25.81 | 8.3 | 21.55 | 85.8 | 6 | 3.4 | 2.2 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | CS(Mf)5 | 18:07:39 | 6.6 | Middle | 2 | 2 | 25.31 | 8.3 | 24.39 | 86.6 | 6.18 | 3.4 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | CS(Mf)5 | 18:07:29 | 12.2 | Bottom | 3 | 1 | 24.75 | 8.28 | 29.21 | 80.4 | 5.75 | 3.6 | 2 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Ebb | Sunny | CS(Mf)5 | 18:08:05 | 12.2 | Bottom | 3 | 2 | 25.13 | 8.27 | 28.97 | 78.2 | 5.64 | 3.4 | 3 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS5 | 12:09:43 | 1.0 | Surface | 1 | 1 | 27.74 | 8.27 | 15.6 | 76.5 | 5.43 | 3.5 | 3 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS5 | 12:08:34 | 1.0 | Surface | 1 | 2 | 28.08 | 8.26 | 15.27 | 74.5 | 5.34 | 3.5 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS5 | 12:09:33 | 4.6 | Middle | 2 | 1 | 25.57 | 8.2 | 22.73 | 74.8 | 5.4 | 3.6 | 3 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS5 | 12:08:25 | 4.6 | Middle | 2 | 2 | 25.88 | 8.19 | 22.49 | 70.2 | 5.04 | 3.6 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS5 | 12:08:09 | 8.1 | Bottom | 3 | 1 | 25.26 | 8.19 | 25.91 | 69.1 | 4.91 | 3.7 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS5 | 12:09:25 | 8.1 | Bottom | 3 | 2 | 25.34 | 8.19 | 25.74 | 69.8 | 5.02 | 3.8 | 3.6 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS(Mf)6 | 12:00:34 | 1.0 | Surface | 1 | 1 | 28.06 | 8.32 | 14.67 | 103.7 | 7.47 | 2.3 | 2.8 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS(Mf)6 | 12:00:22 | 1.0 | Surface | 1 | 2 | 28.09 | 8.31 | 14.65 | 103.6 | 7.46 | 2.3 | 2 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS(Mf)6 | 12:00:15 | 2.4 | Bottom | 3 | 1 | 28.11 | 8.31 | 14.62 | 103.3 | 7.44 | 2.4 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS(Mf)6 | 12:00:28 | 2.4 | Bottom | 3 | 2 | 28.08 | 8.31 | 14.67 | 103.6 | 7.46 | 2.3 | 2.8 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS7 | 11:53:31 | 1.0 | Surface | 1 | 1 | 28.21 | 8.31 | 14.64 | 103.2 | 7.42 | 1.9 | 3.2 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS7 | 11:53:16 | 1.0 | Surface | 1 | 2 | 28.18 | 8.31 | 14.74 | 103.2 | 7.42 | 1.8 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS7 | 11:53:23 | 2.4 | Bottom | 3 | 1 | 28.22 | 8.3 | 14.73 | 103 | 7.4 | 2 | 2.8 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS7 | 11:53:10 | 2.4 | Bottom | 3 | 2 | 28.21 | 8.3 | 14.76 | 102.6 | 7.37 | 1.8 | 2.8 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS8 | 11:34:31 | 1.0 | Surface | 1 | 1 | 28.82 | 8.16 | 13.63 | 84.9 | 6.08 | 2.2 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS8 | 11:34:48 | 1.0 | Surface | 1 | 2 | 28.89 | 8.15 | 13.61 | 86.1 | 6.16 | 2.1 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS8 | 11:34:36 | 2.4 | Bottom | 3 | 1 | 28.6 | 8.15 | 14.68 | 85.3 | 6.09 | 2.3 | 4 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS8 | 11:34:23 | 2.4 | Bottom | 3 | 2 | 28.84 | 8.15 | 14.81 | 85 | 6.04 | 2.3 | 3.8 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS(Mf)9 | 11:47:00 | 1.0 | Surface | 1 | 1 | 27.43 | 8.19 | 15.96 | 85 | 6.15 | 4.4 | 3.6 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS(Mf)9 | 11:47:42 | 1.0 | Surface | 1 | 2 | 27.46 | 8.2 | 15.85 | 85.4 | 6.18 | 4.3 | 3 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS(Mf)9 | 11:47:31 | 2.3 | Bottom | 3 | 1 | 27.29 | 8.19 | 16.98 | 84.9 | 6.12 | 4.6 | 5.4 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS(Mf)9 | 11:46:52 | 2.3 | Bottom | 3 | 2 | 27.41 | 8.18 | 17.2 | 84.7 | 6.09 | 4.6 | 5.2 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS10 | 11:25:08 | 1.0 | Surface | 1 | 1 | 27.48 | 8.19 | 16.83 | 82.2 | 5.91 | 6.6 | 13.3 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS10 | 11:24:09 | 1.0 | Surface | 1 | 2 | 27.37 | 8.18 | 17.07 | 81.6 | 5.87 | 6.4 | 13.1 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS10 | 11:24:56 | 5.8 | Middle | 2 | 1 | 27.22 | 8.2 | 17.67 | 78.8 | 5.67 | 7.6 | 13.3 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS10 | 11:23:55 | 5.8 | Middle | 2 | 2 | 27.31 | 8.2 | 17.29 | 78.6 | 5.66 | 7.9 | 13.2 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS10 | 11:23:36 | 10.6 | Bottom | 3 | 1 | 25.42 | 8.2 | 25.56 | 73 | 5.18 | 10.8 | 13.7 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | IS10 | 11:24:37 | 10.6 | Bottom | 3 | 2 | 25.68 | 8.19 | 24.49 | 73 | 5.18 | 10.3 | 14.1 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | SR3 | 12:17:44 | 0.9 | Middle | 2 | 1 | 28.41 | 8.33 | 14.91 | 104.5 | 7.48 | 1.6 | 3 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | SR3 | 12:17:47 | 0.9 | Middle | 2 | 2 | 28.41 | 8.33 | 14.91 | 104.7 | 7.49 | 1.6 | 3.3 | |

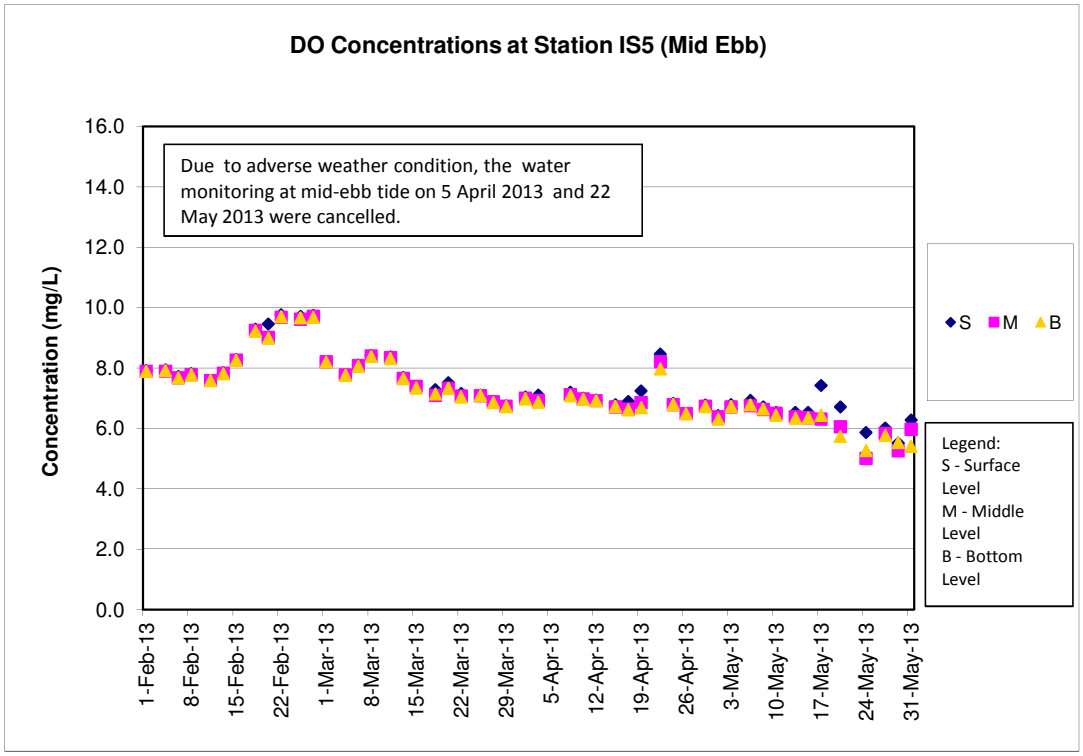
| Project | Works | Date (yyyy-mm-dd) | Tide | Weather Condition | Station | Time | Depth, m | Level | Level_Code | Replicate | Temperature, °C | pH | Salinity, ppt | DO, % | DO, mg/L | Turbidity, NTU | SS, mg/L | Site Observation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | SR4 | 11:39:48 | 1.0 | Surface | 1 | 1 | 28.52 | 8.15 | 13.94 | 82.1 | 5.9 | 2.5 | 6.1 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | SR4 | 11:39:59 | 1.0 | Surface | 1 | 2 | 27.18 | 8.15 | 14.74 | 81.9 | 5.95 | 2.7 | 6.1 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | SR4 | 11:39:40 | 2.2 | Bottom | 3 | 1 | 27.61 | 8.14 | 16.67 | 81.8 | 5.87 | 2.5 | 5.5 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | SR4 | 11:39:55 | 2.2 | Bottom | 3 | 2 | 27.06 | 8.13 | 16.5 | 80.8 | 5.91 | 2.7 | 5 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | SR5 | 11:36:00 | 1.0 | Surface | 1 | 1 | 27.45 | 8.18 | 16.97 | 84.4 | 6.07 | 7.5 | 10.1 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | SR5 | 11:36:42 | 1.0 | Surface | 1 | 2 | 27.45 | 8.17 | 16.99 | 84 | 6.04 | 7.9 | 9.9 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | SR5 | 11:35:35 | 4.5 | Bottom | 3 | 1 | 27.37 | 8.17 | 17.2 | 83.8 | 6.02 | 10.6 | 10.2 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | SR5 | 11:36:16 | 4.5 | Bottom | 3 | 2 | 27.34 | 8.18 | 17.43 | 83.5 | 6 | 10.1 | 10 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | SR10A | 10:17:31 | 1.0 | Surface | 1 | 1 | 27.06 | 8.2 | 15.94 | 79.1 | 5.76 | 1.5 | 3 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | SR10A | 10:17:53 | 1.0 | Surface | 1 | 2 | 27.02 | 8.2 | 15.88 | 79.1 | 5.76 | 1.5 | 2.9 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | SR10A | 10:17:45 | 3.2 | Middle | 2 | 1 | 26.34 | 8.17 | 19.27 | 78.1 | 5.65 | 1.4 | 2.7 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | SR10A | 10:17:23 | 3.2 | Middle | 2 | 2 | 26.51 | 8.18 | 18.98 | 79 | 5.63 | 1.5 | 3.5 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | SR10A | 10:17:13 | 5.4 | Bottom | 3 | 1 | 26.01 | 8.13 | 22.91 | 77.8 | 5.62 | 1.5 | 2.7 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | SR10A | 10:17:38 | 5.4 | Bottom | 3 | 2 | 26.23 | 8.14 | 22.8 | 79.4 | 5.64 | 1.5 | 3.4 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | SR10B | 10:11:46 | 1.0 | Surface | 1 | 1 | 27.42 | 8.15 | 15.44 | 81 | 5.88 | 1.4 | 2.4 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | SR10B | 10:11:27 | 1.0 | Surface | 1 | 2 | 27.14 | 8.15 | 15.97 | 80.4 | 5.85 | 1.4 | 2.1 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | SR10B | 10:11:22 | 3.8 | Bottom | 3 | 1 | 27.29 | 8.13 | 17.85 | 80.4 | 5.77 | 1.4 | 2.3 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | SR10B | 10:11:33 | 3.8 | Bottom | 3 | 2 | 27.21 | 8.13 | 17.86 | 80.3 | 5.77 | 1.4 | 2.4 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | CS2 | 12:36:55 | 1.0 | Surface | 1 | 1 | 27.39 | 8.25 | 16.6 | 85.2 | 6.15 | 2.8 | 1 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | CS2 | 12:35:59 | 1.0 | Surface | 1 | 2 | 27.5 | 8.25 | 16.38 | 85.2 | 6.14 | 2.8 | 1.4 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | CS2 | 12:35:53 | 4.1 | Middle | 2 | 1 | 27.18 | 8.23 | 18.08 | 81.9 | 5.88 | 3.3 | 0.9 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | CS2 | 12:36:43 | 4.1 | Middle | 2 | 2 | 27.05 | 8.22 | 18.42 | 81.5 | 5.85 | 3 | 1.1 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | CS2 | 12:35:40 | 7.2 | Bottom | 3 | 1 | 26.52 | 8.18 | 20.24 | 79.1 | 5.67 | 4.2 | 1.5 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | CS2 | 12:36:24 | 7.2 | Bottom | 3 | 2 | 26.47 | 8.18 | 20.54 | 77.9 | 5.58 | 4.4 | 1.5 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | CS(Mf)5 | 10:55:11 | 1.0 | Surface | 1 | 1 | 27.71 | 8.29 | 14.9 | 76.4 | 5.46 | 4.1 | 1 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | CS(Mf)5 | 10:55:54 | 1.0 | Surface | 1 | 2 | 27.47 | 8.29 | 15.33 | 75.1 | 5.45 | 3.9 | 1.2 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | CS(Mf)5 | 10:55:43 | 7 | Middle | 2 | 1 | 25.56 | 8.24 | 25.45 | 73.3 | 5.17 | 4 | 2.5 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | CS(Mf)5 | 10:55:01 | 7 | Middle | 2 | 2 | 25.13 | 8.24 | 26.09 | 75.4 | 5.38 | 4.3 | 2.3 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | CS(Mf)5 | 10:55:27 | 12.9 | Bottom | 3 | 1 | 24.53 | 8.19 | 29.51 | 71.9 | 5.09 | 4 | 2.6 | |
| HKLR | HY/2011/03 | 2013-05-31 | Mid-Flood | Sunny | CS(Mf)5 | 10:54:48 | 12.9 | Bottom | 3 | 2 | 24.55 | 8.15 | 29.49 | 72 | 5.12 | 4.3 | 2.7 | |

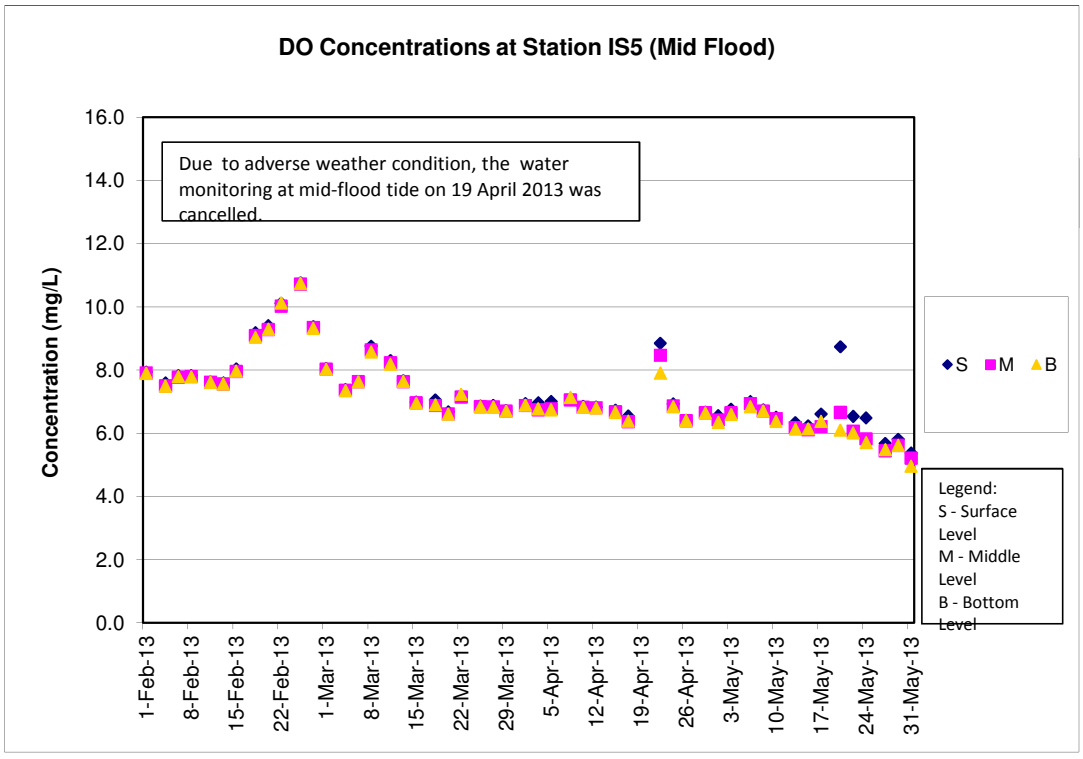

DO Concentrations at Station CS2 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

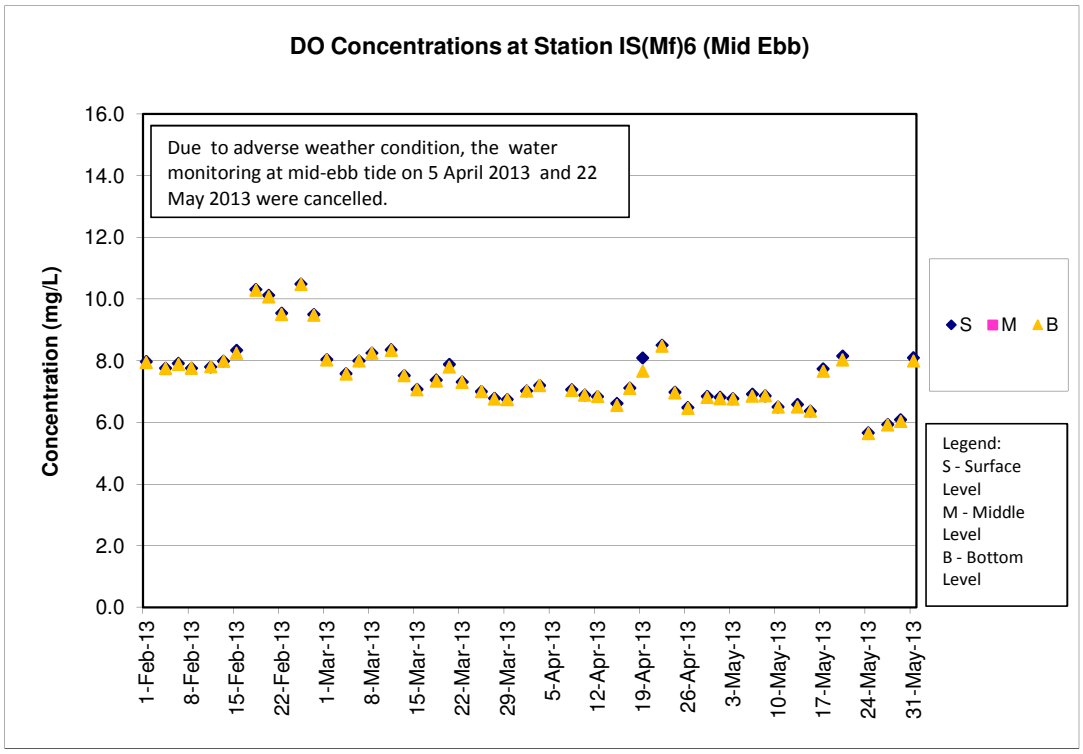

DO Concentrations at Station CS2 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

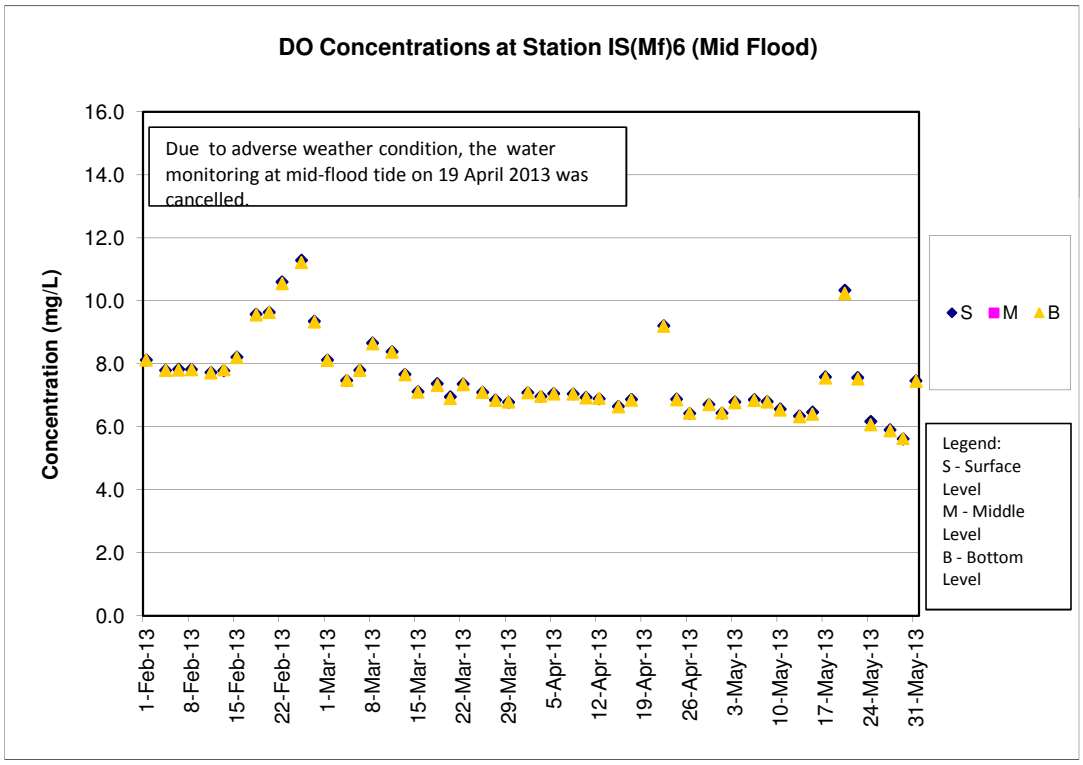

DO Concentrations at Station CS(Mf)5 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

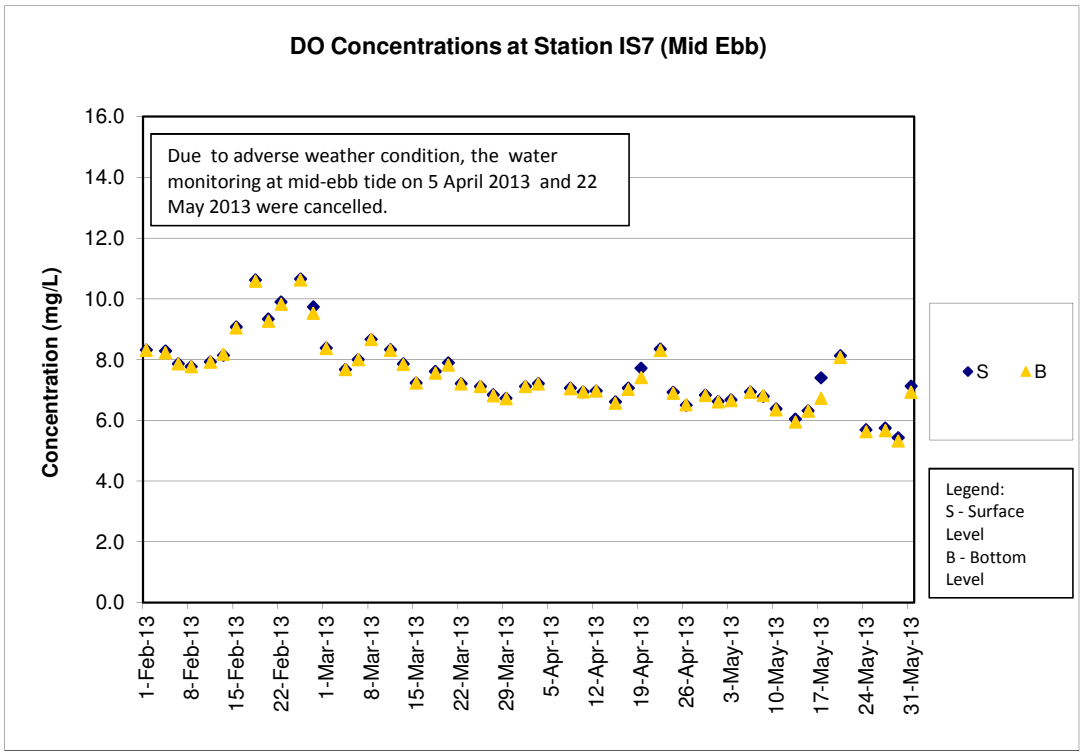

DO Concentrations at Station CS(Mf)5 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

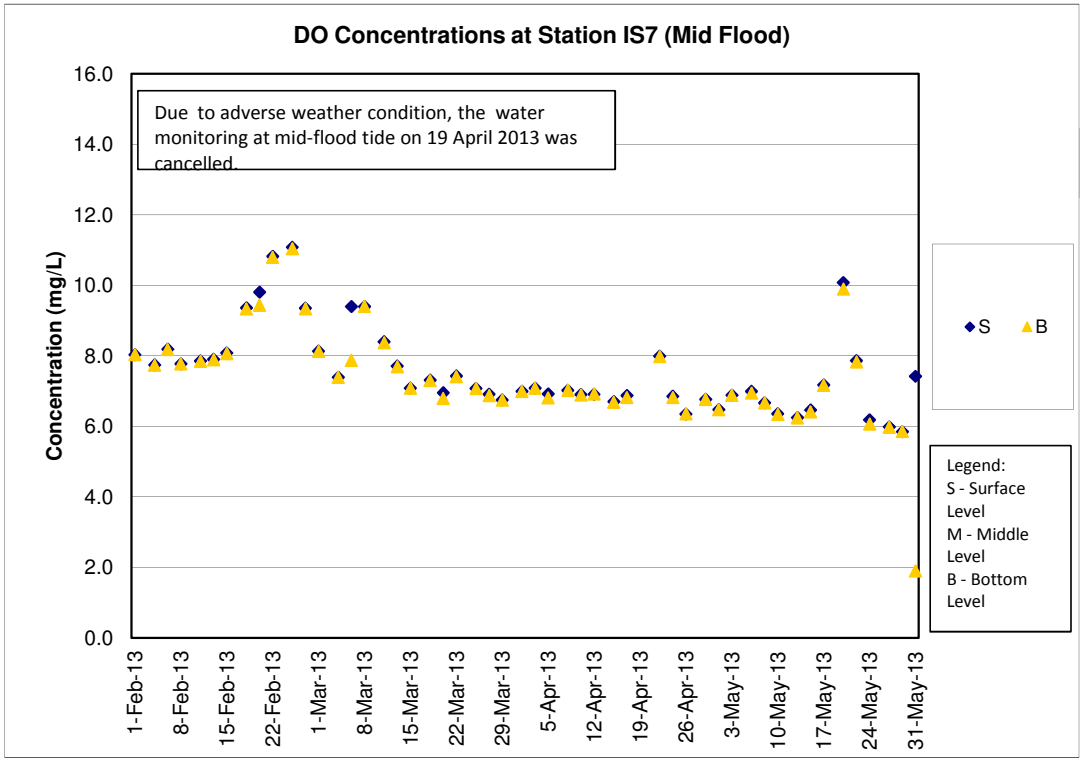

DO Concentrations at Station IS5 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

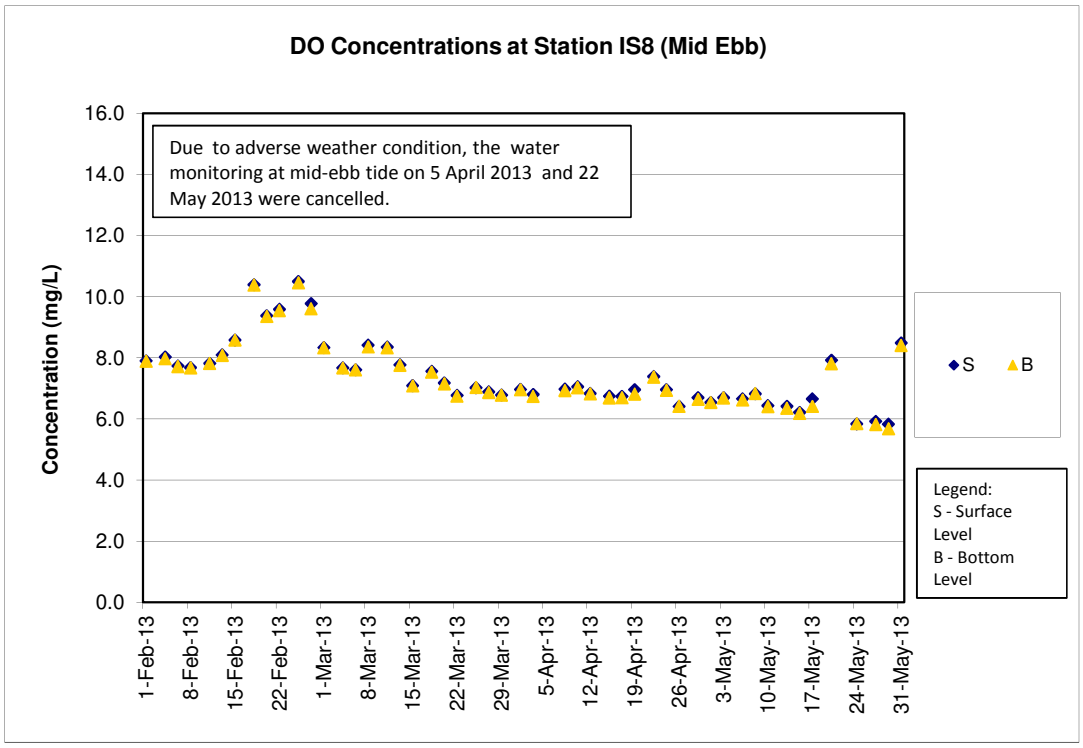

DO Concentrations at Station IS5 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

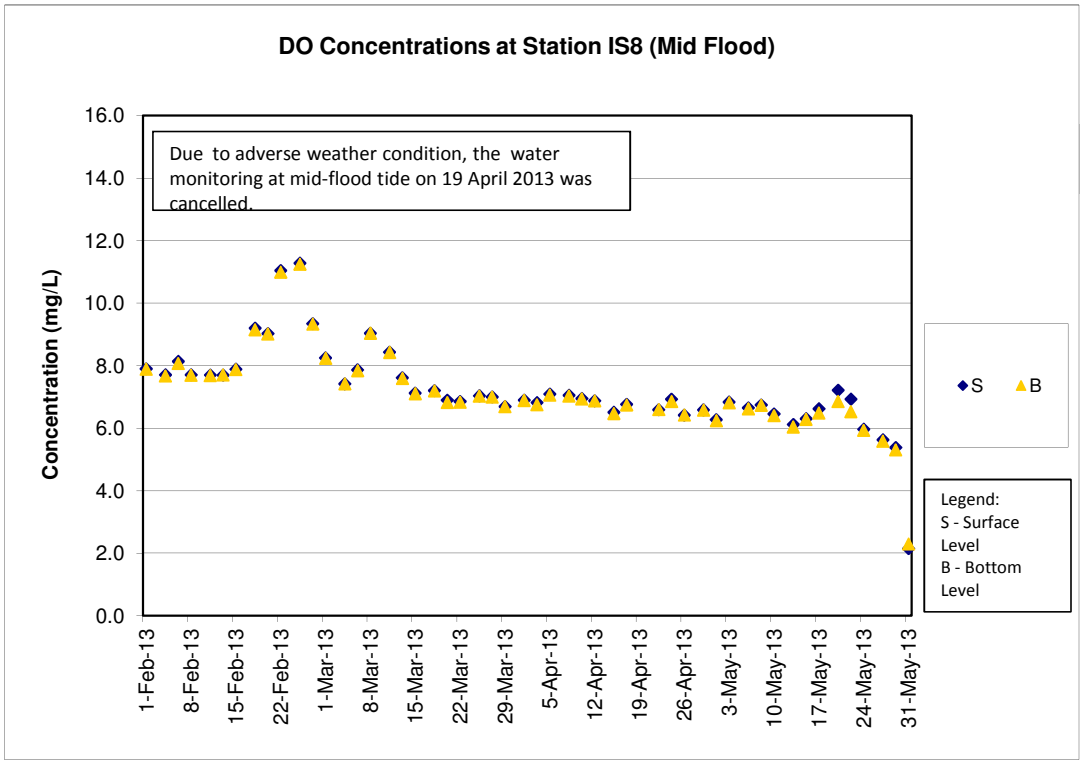

DO Concentrations at Station IS(Mf)6 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

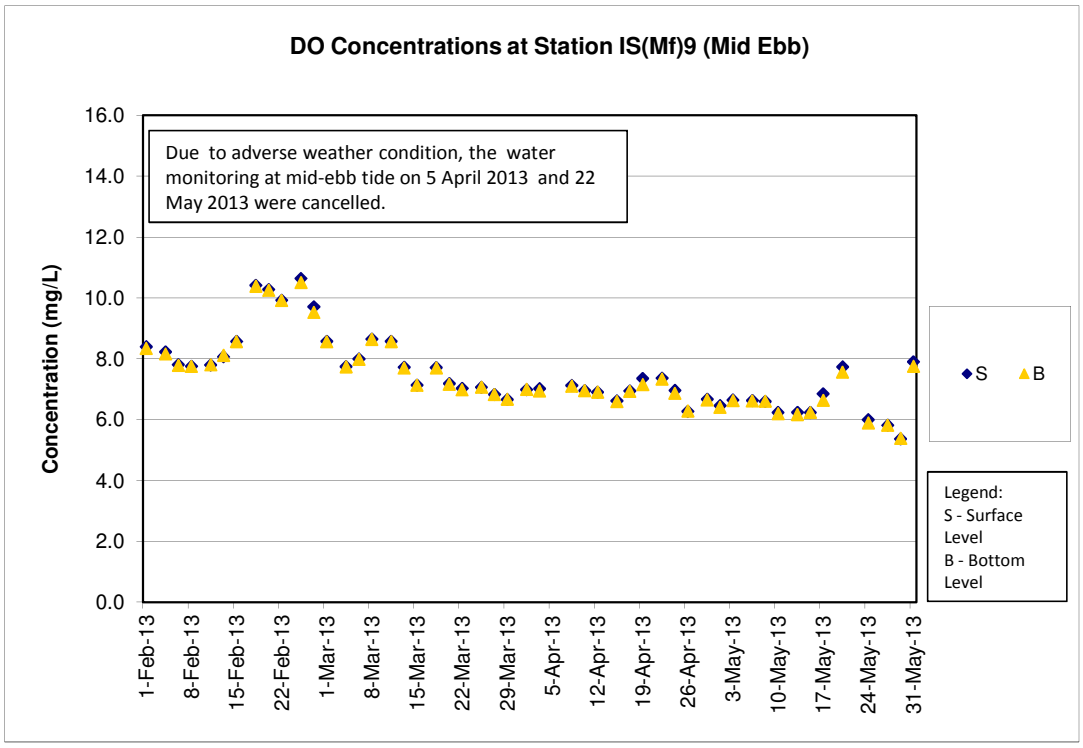

DO Concentrations at Station IS(Mf)6 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

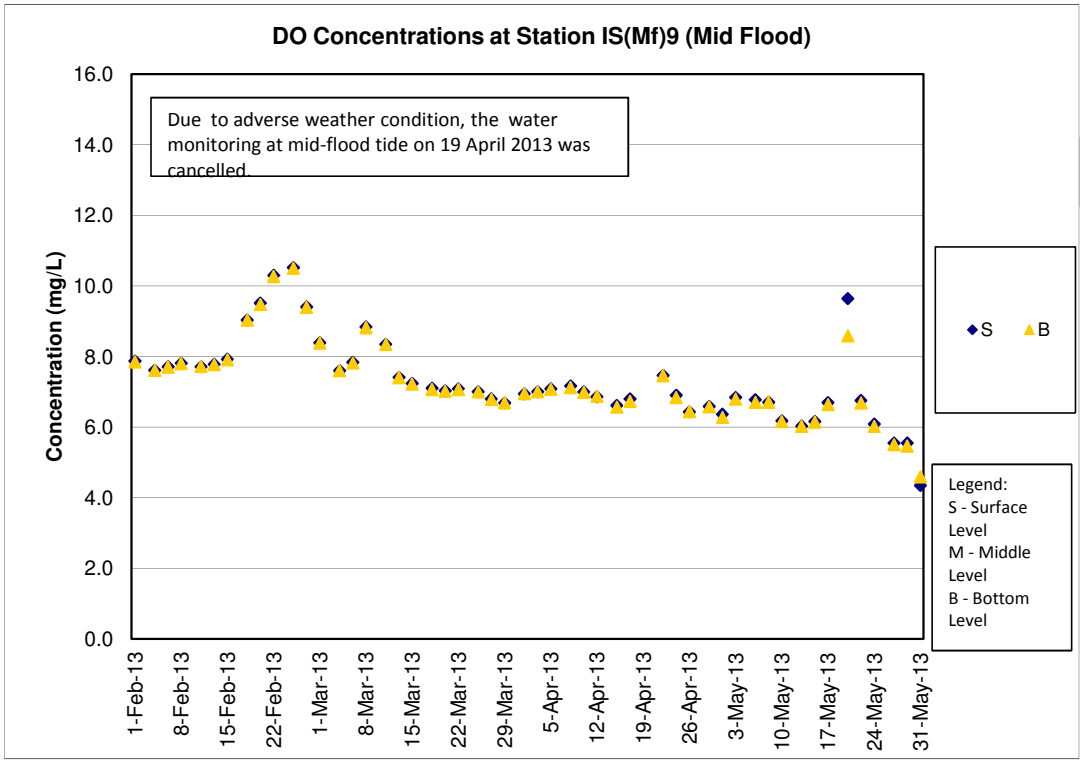

DO Concentrations at Station IS7 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S
B
Legend:
S - Surface Level
B - Bottom Level

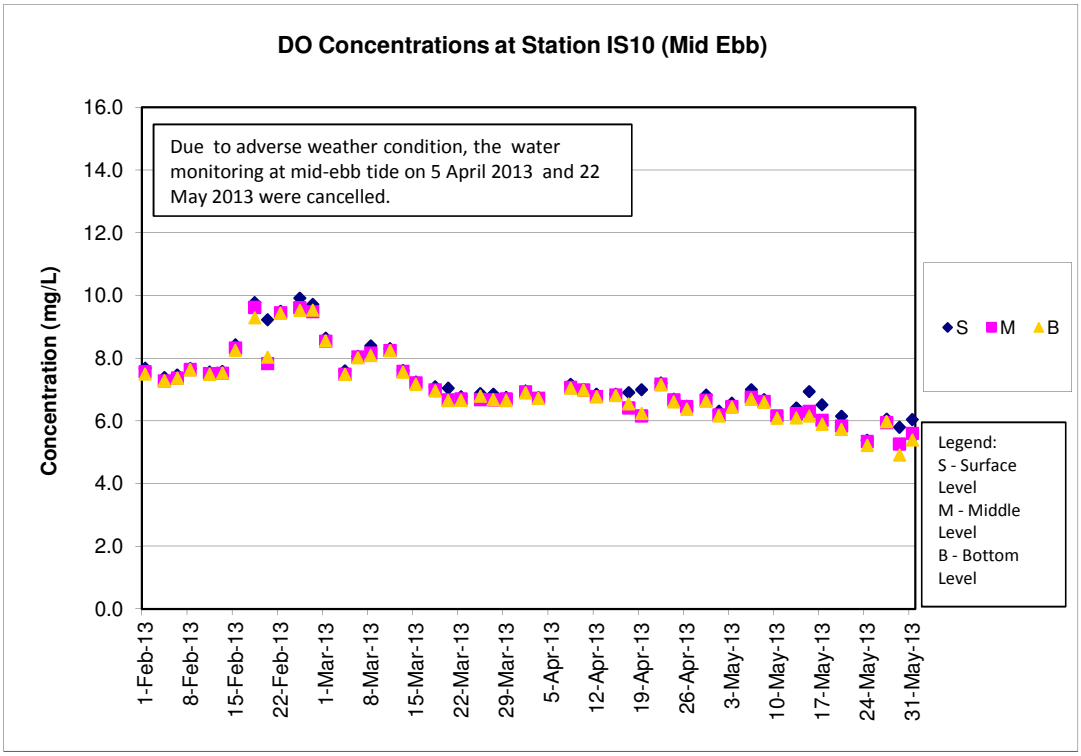

DO Concentrations at Station IS7 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S
B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

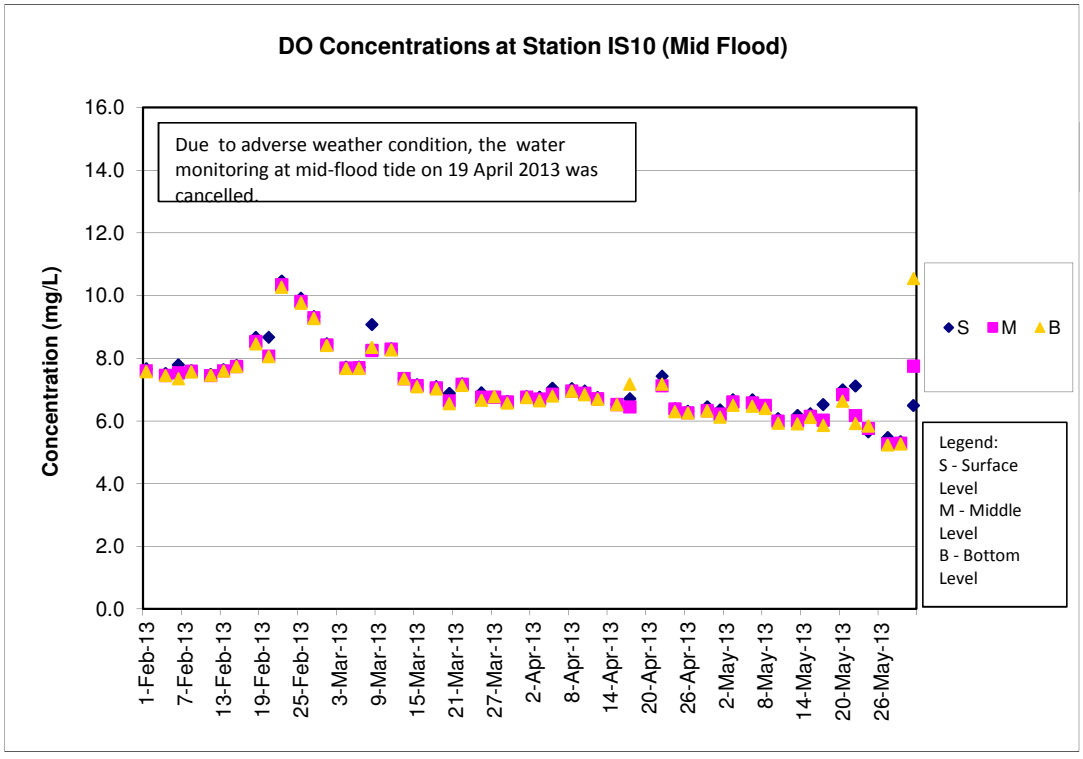

DO Concentrations at Station IS8 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S
B
Legend:
S - Surface Level
B - Bottom Level

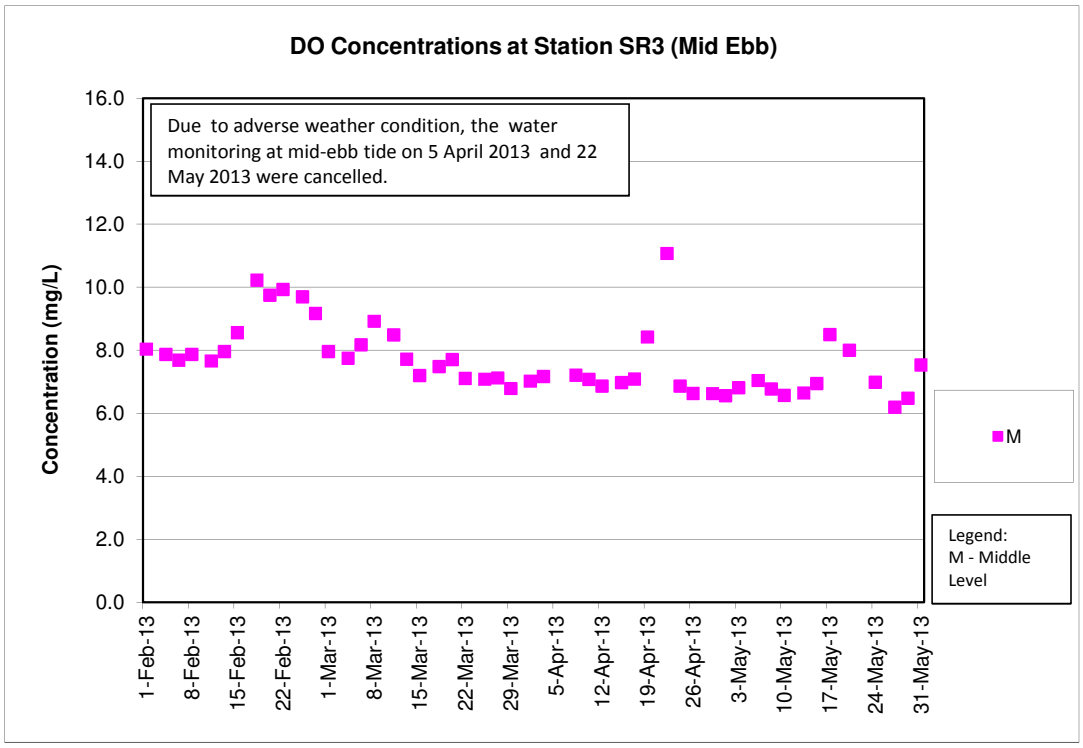

DO Concentrations at Station IS8 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S
B
Legend:
S - Surface Level
B - Bottom Level

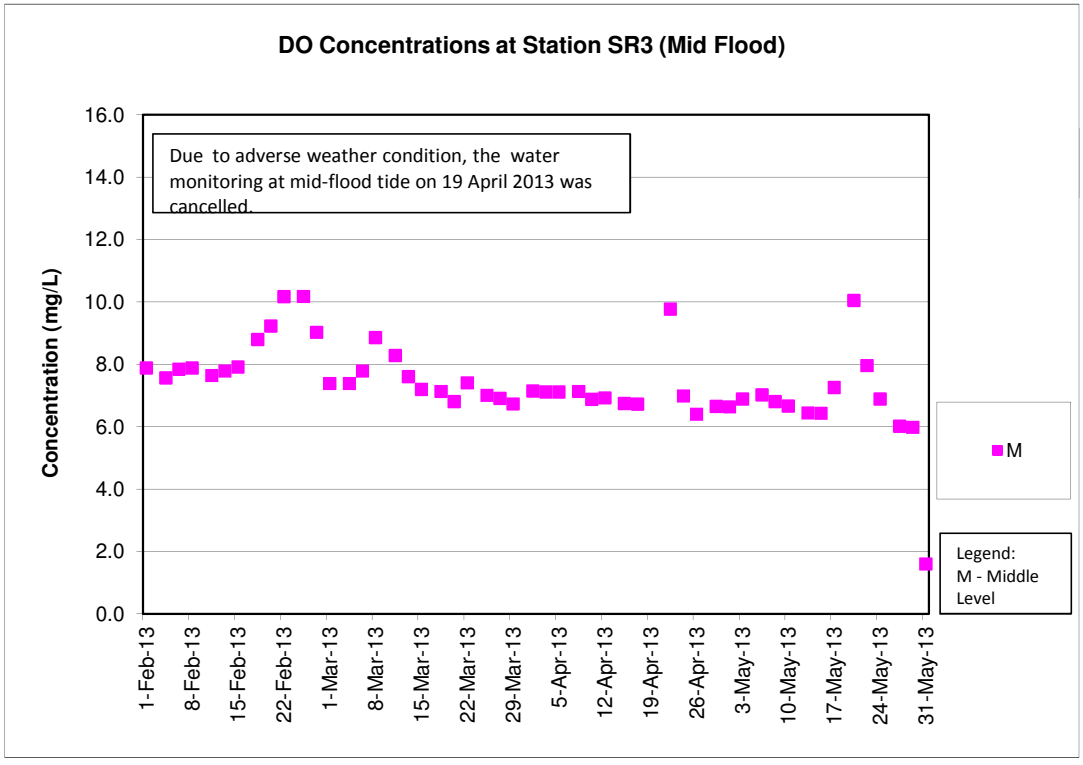

DO Concentrations at Station IS(Mf)9 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S
B
Legend:
S - Surface Level
B - Bottom Level

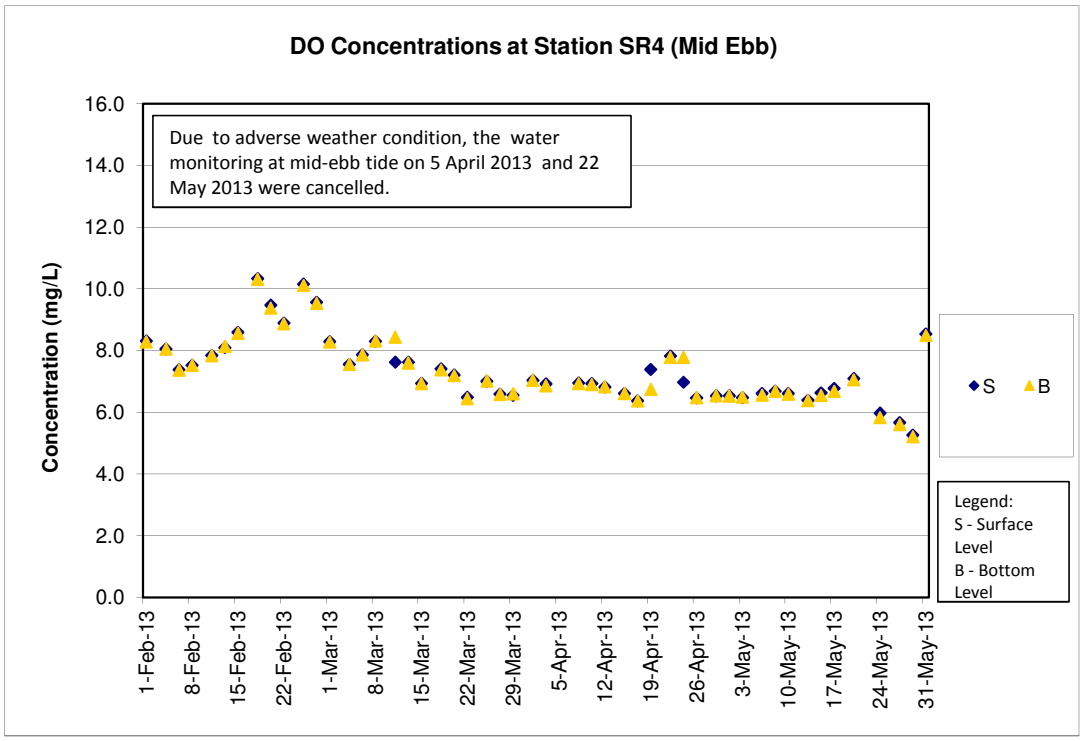

DO Concentrations at Station IS(Mf)9 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S
B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

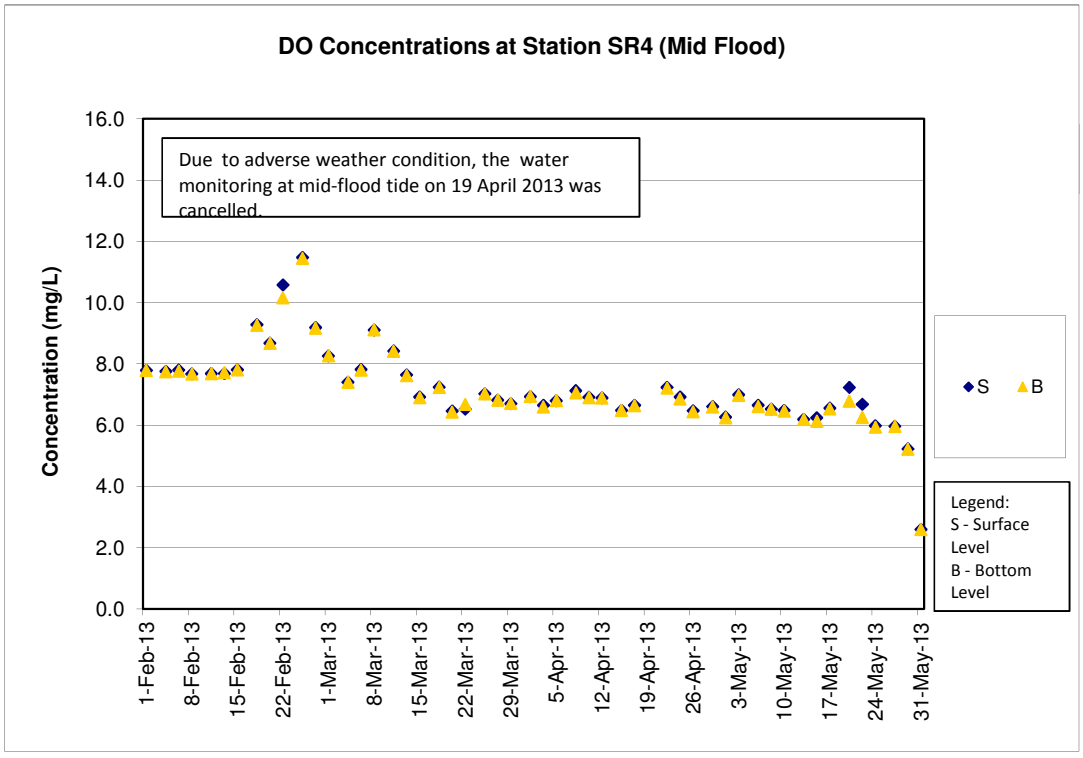

DO Concentrations at Station IS10 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

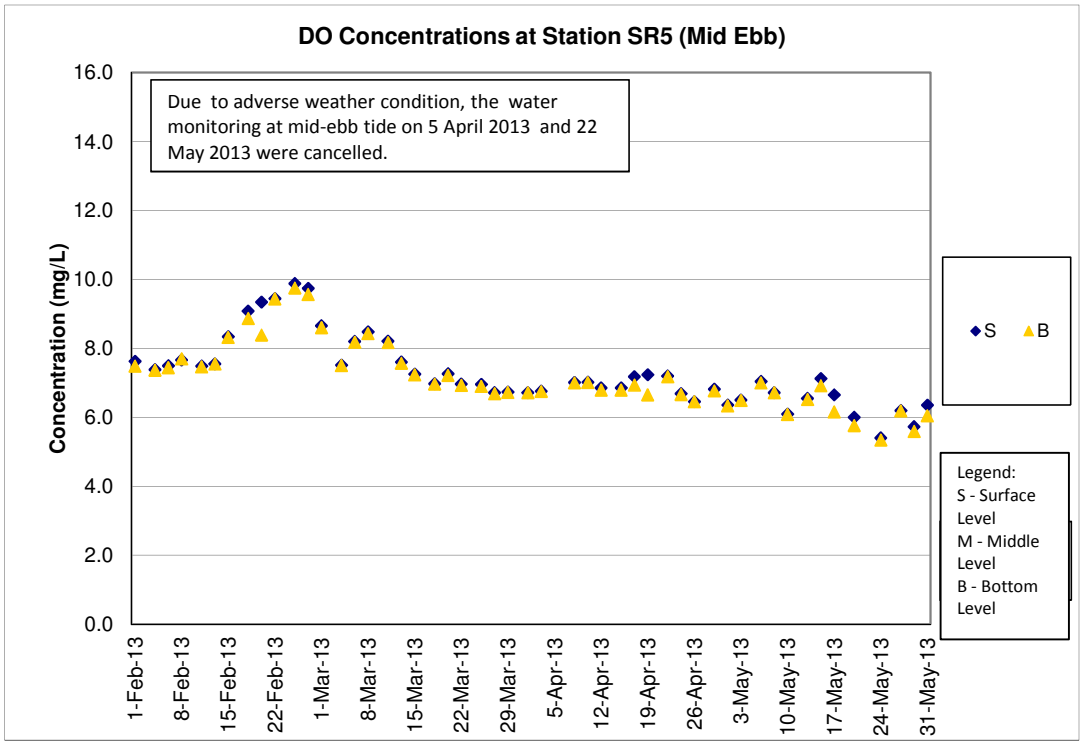

DO Concentrations at Station IS10 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
7-Feb-13
13-Feb-13
19-Feb-13
25-Feb-13
3-Mar-13
9-Mar-13
15-Mar-13
21-Mar-13
27-Mar-13
2-Apr-13
8-Apr-13
14-Apr-13
20-Apr-13
26-Apr-13
2-May-13
8-May-13
14-May-13
20-May-13
26-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

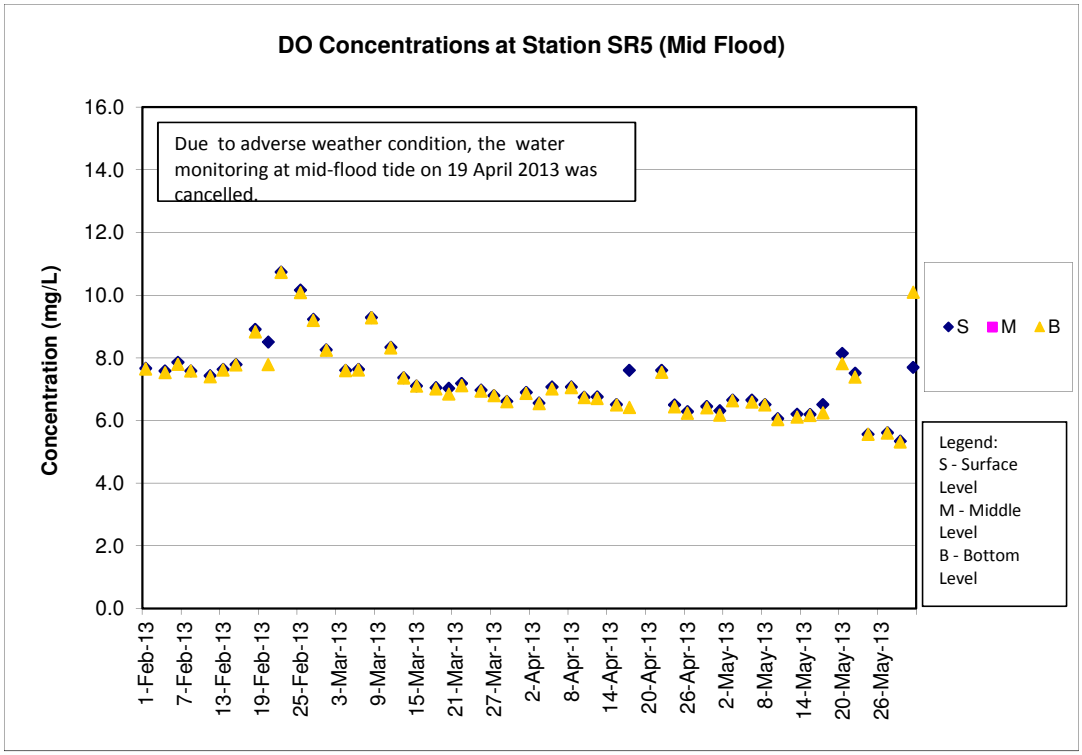

DO Concentrations at Station SR3 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
M
Legend:
M - Middle Level

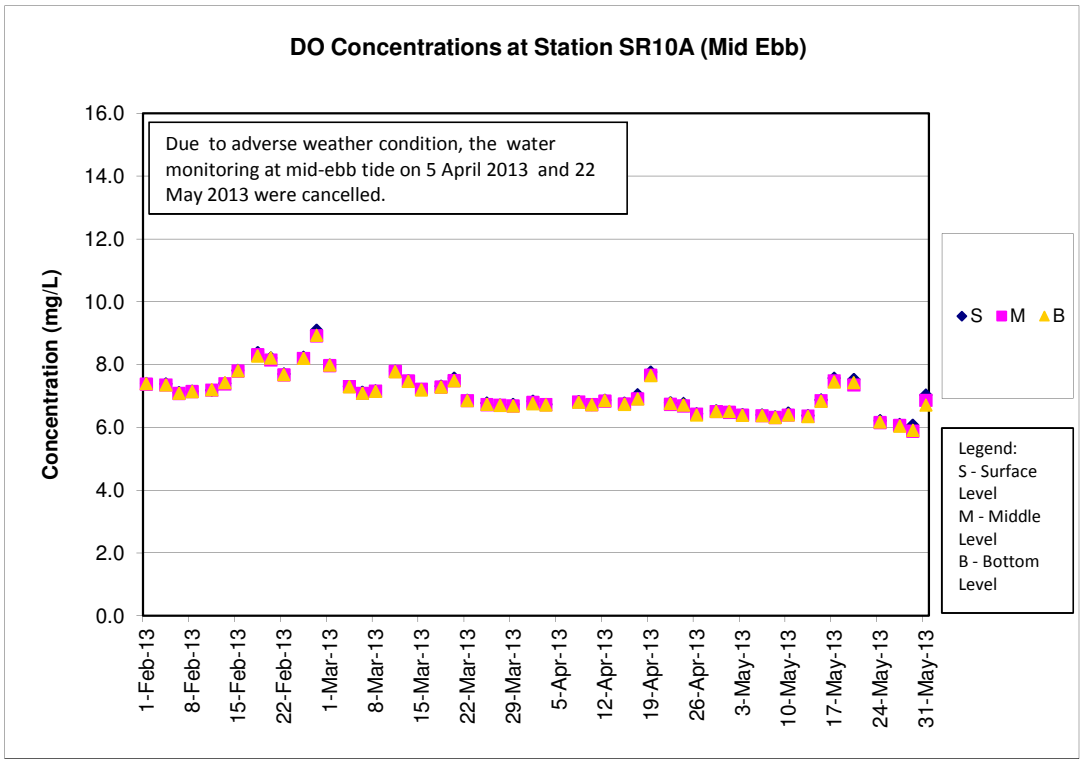

DO Concentrations at Station SR3 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
M
Legend:
M - Middle Level

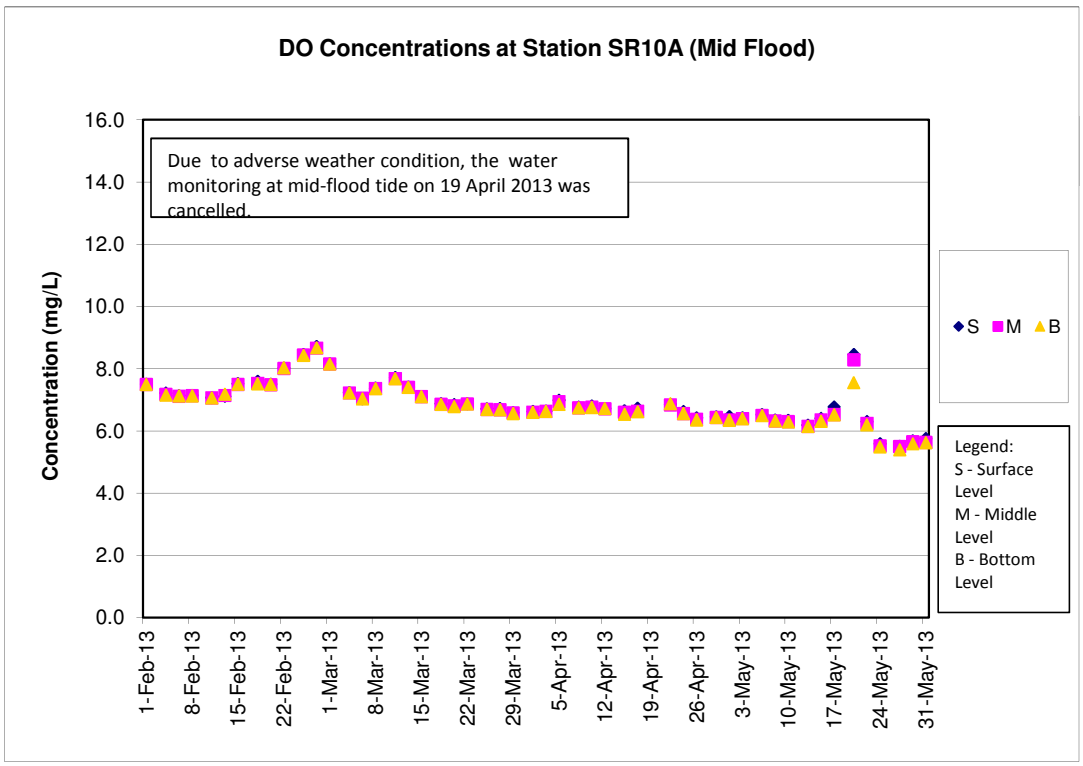

DO Concentrations at Station SR4 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S
B
Legend:
S - Surface Level
B - Bottom Level

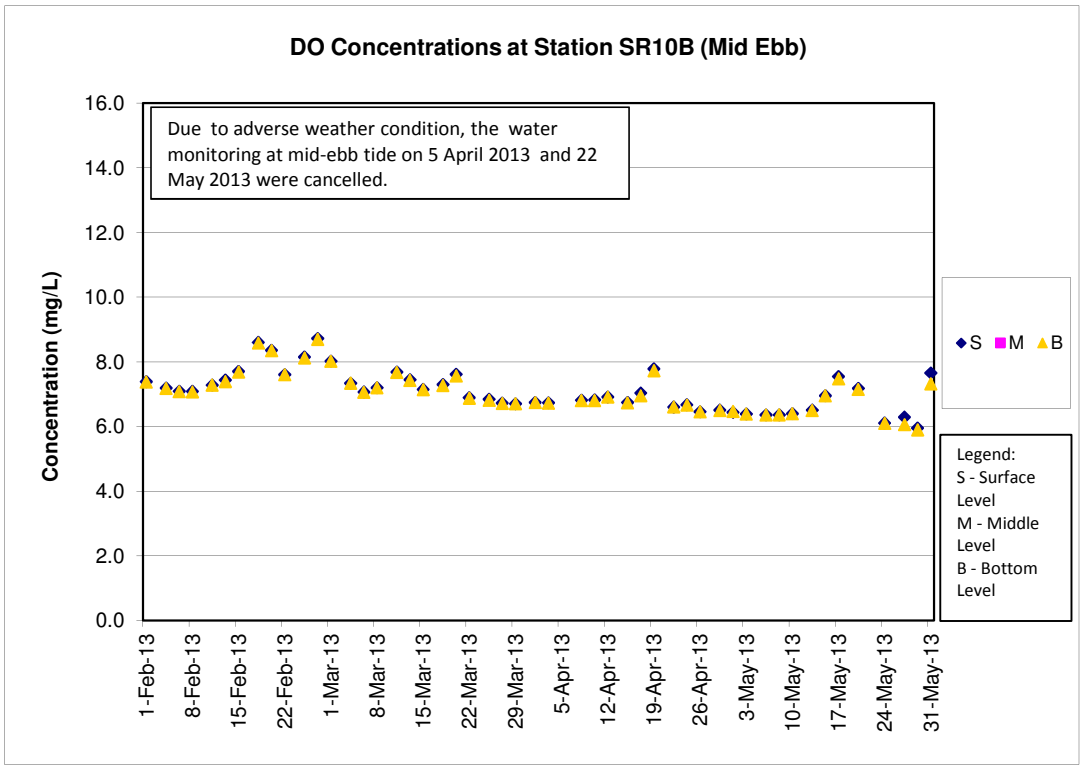

DO Concentrations at Station SR4 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S
B
Legend:
S - Surface Level
B - Bottom Level

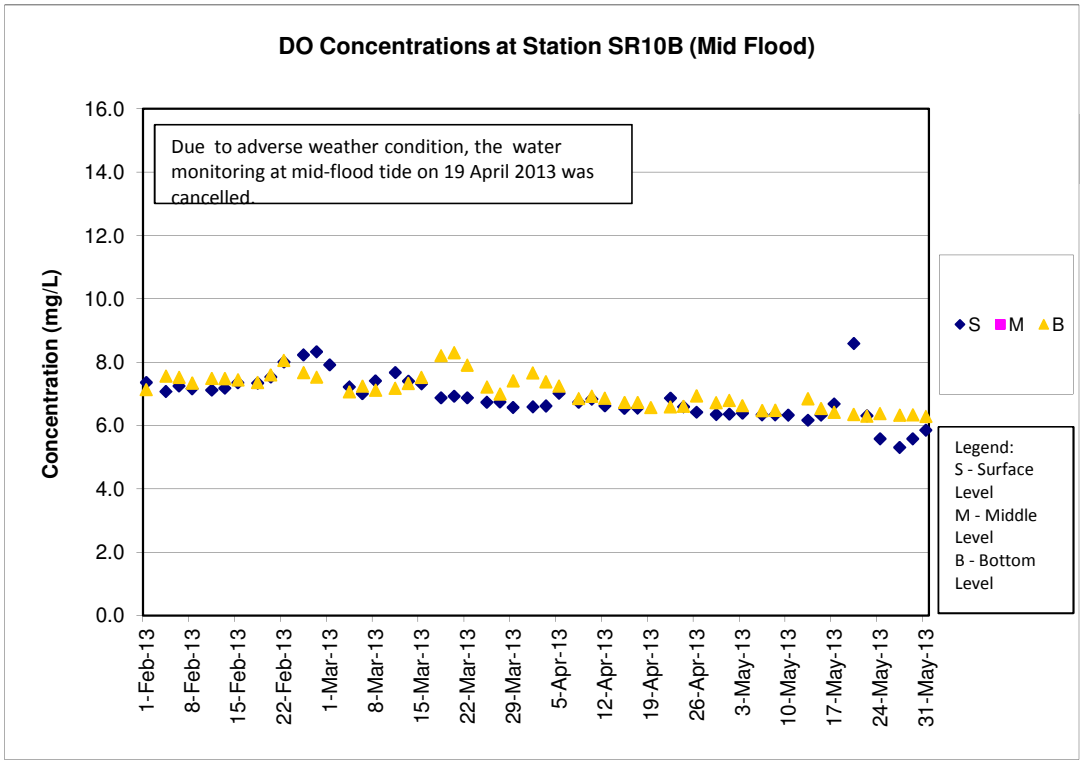

DO Concentrations at Station SR5 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S
B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

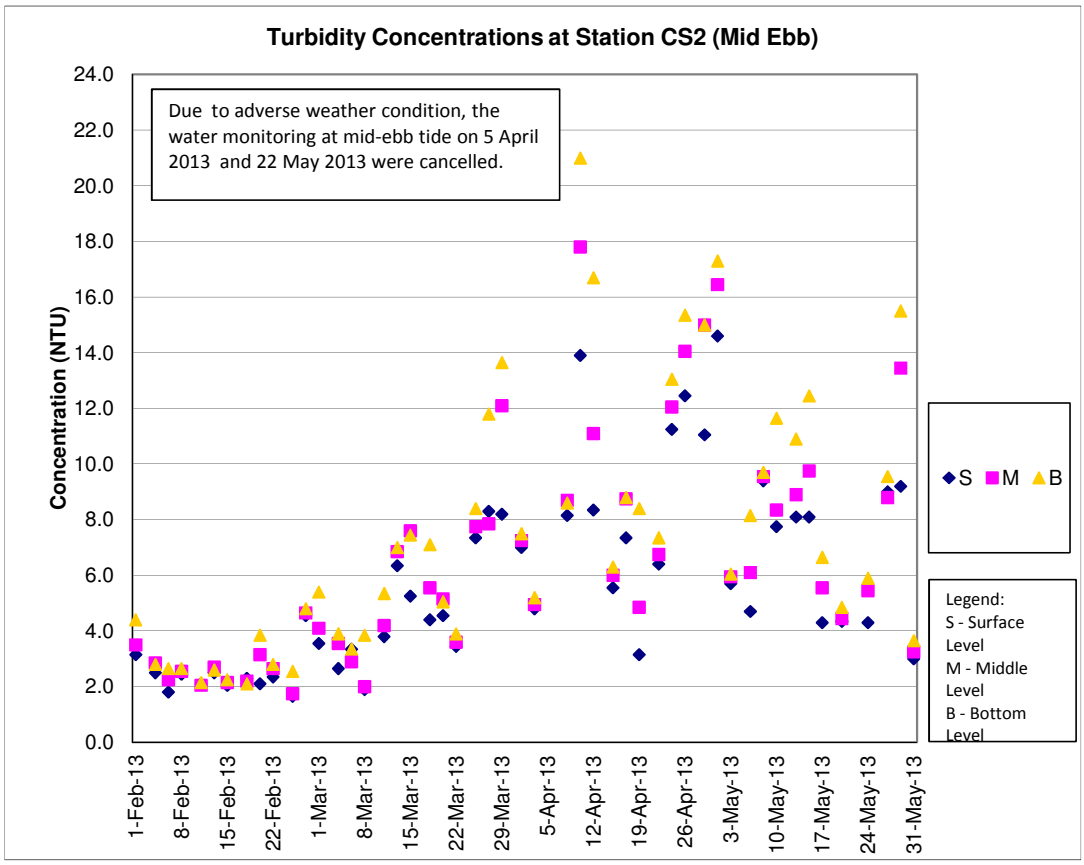

DO Concentrations at Station SR5 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
7-Feb-13
13-Feb-13
19-Feb-13
25-Feb-13
3-Mar-13
9-Mar-13
15-Mar-13
21-Mar-13
27-Mar-13
2-Apr-13
8-Apr-13
14-Apr-13
20-Apr-13
26-Apr-13
2-May-13
8-May-13
14-May-13
20-May-13
26-May-13
S
M
B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

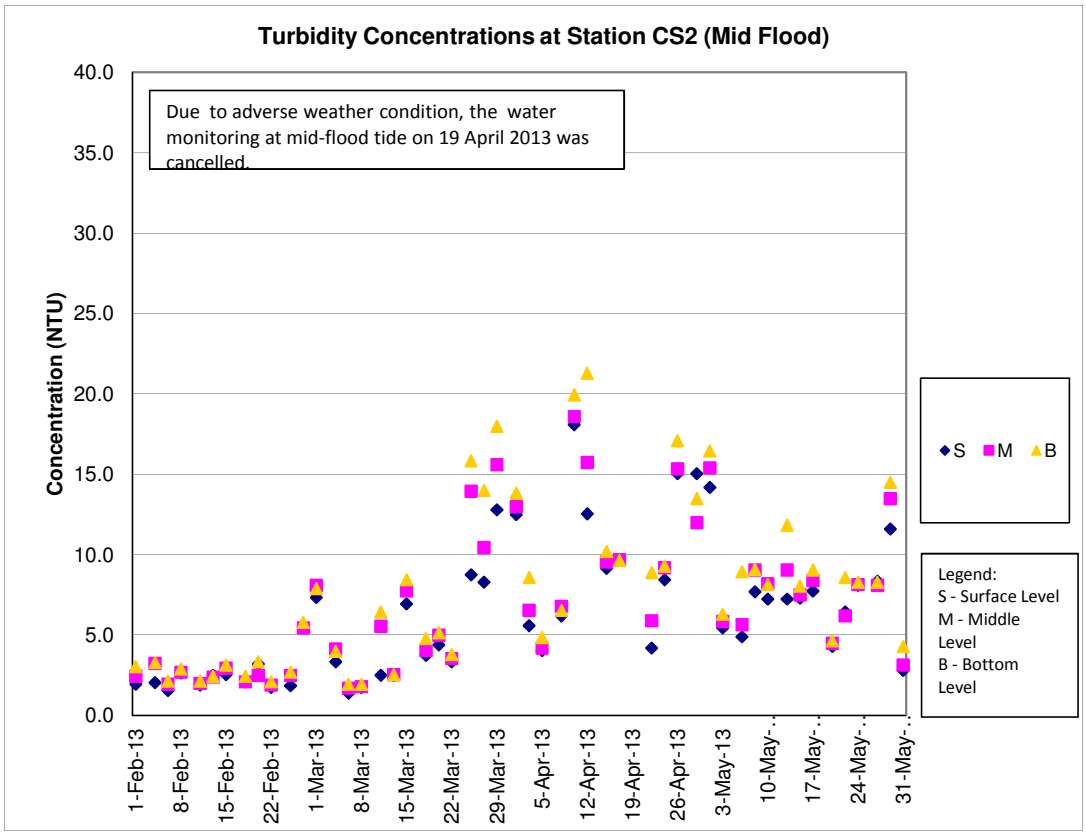

DO Concentrations at Station SR10A (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

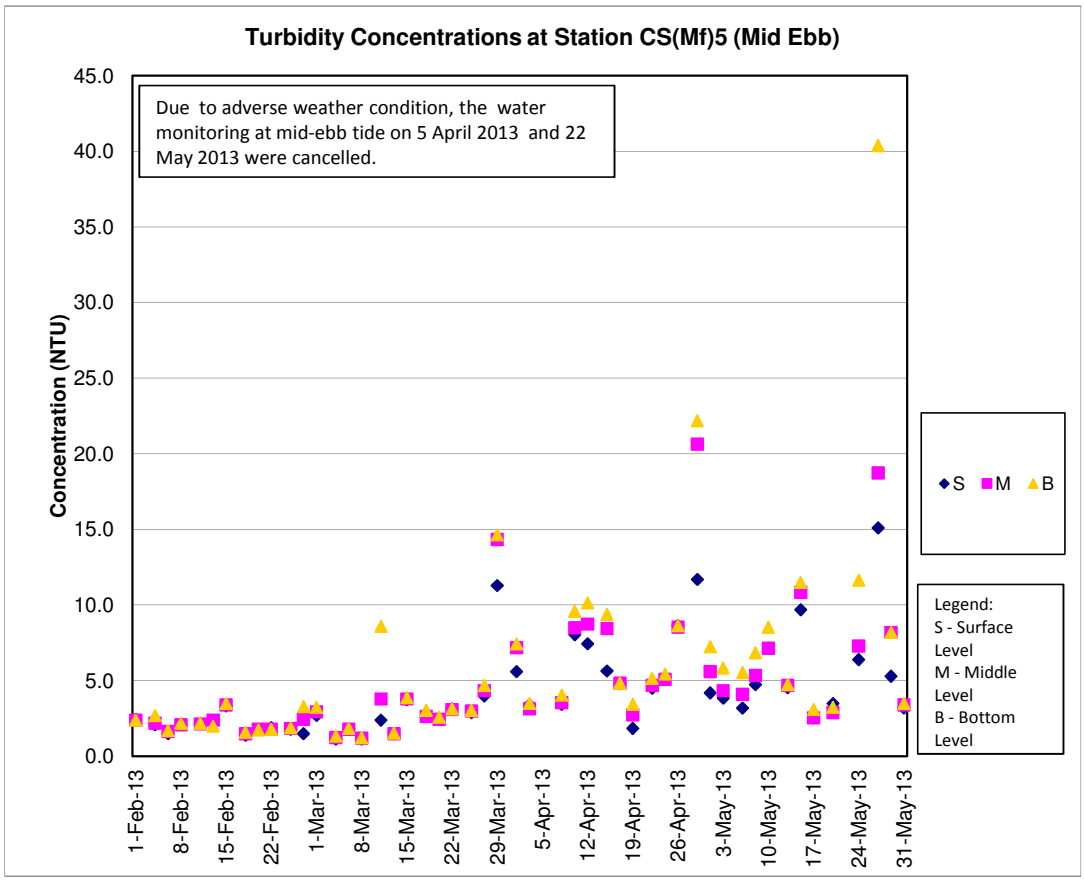

DO Concentrations at Station SR10A (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

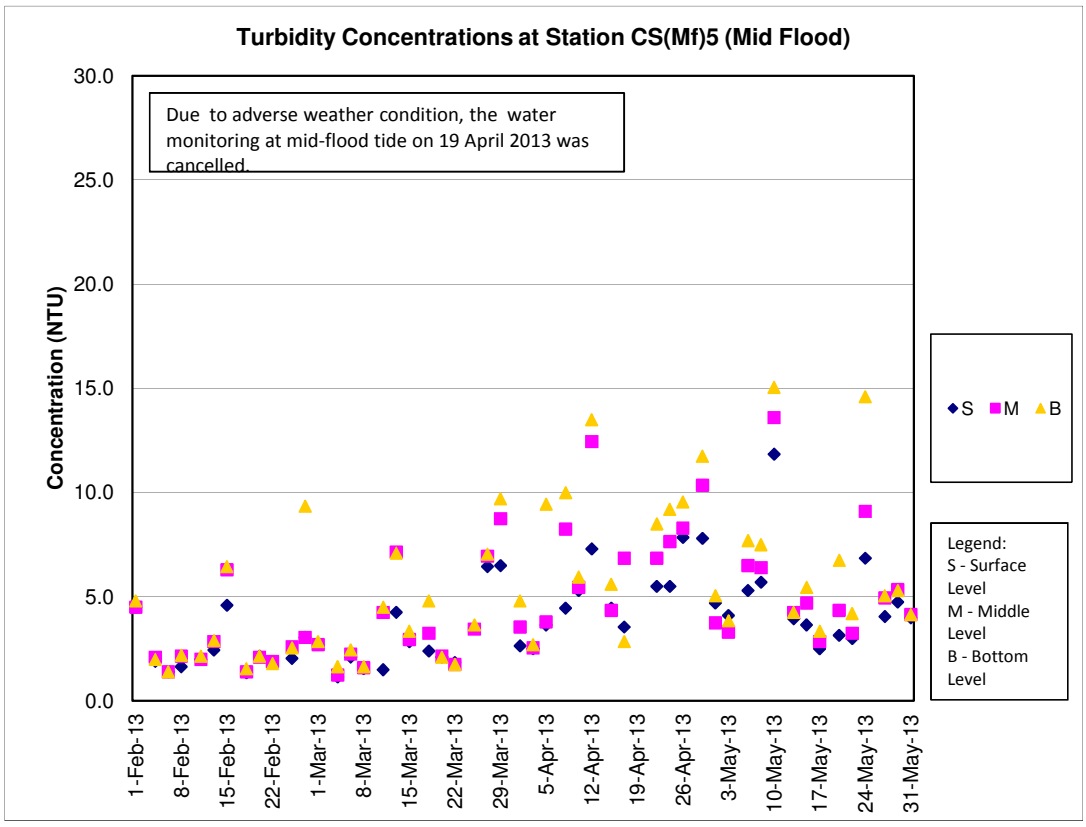

DO Concentrations at Station SR10B (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

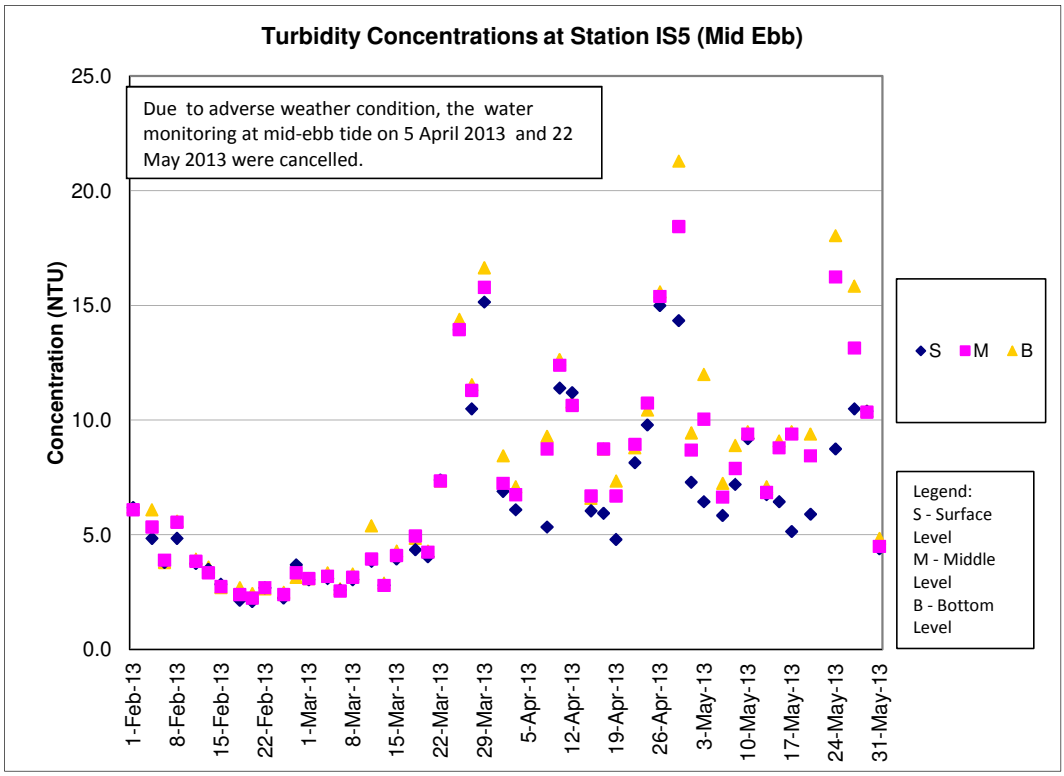

DO Concentrations at Station SR10B (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

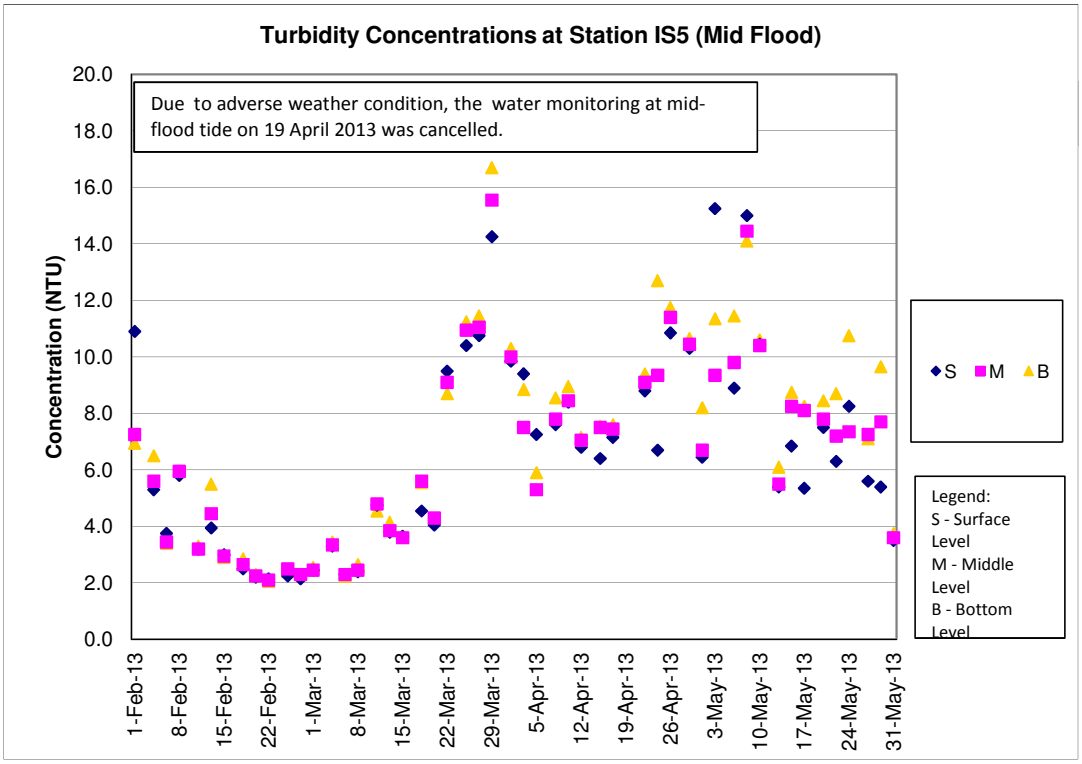

Turbidity Concentrations at Station CS2 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (NTU)
24.0
22.0
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

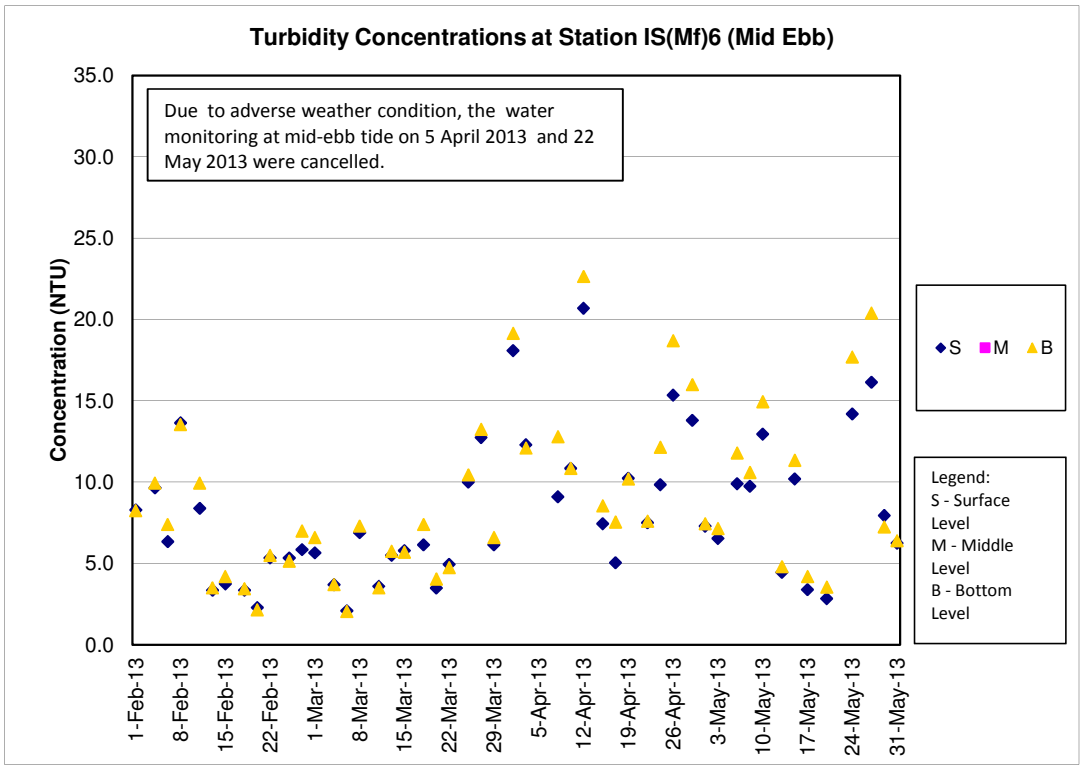

Turbidity Concentrations at Station CS2 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (NTU)
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-...
17-May-...
24-May-...
31-May-...
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

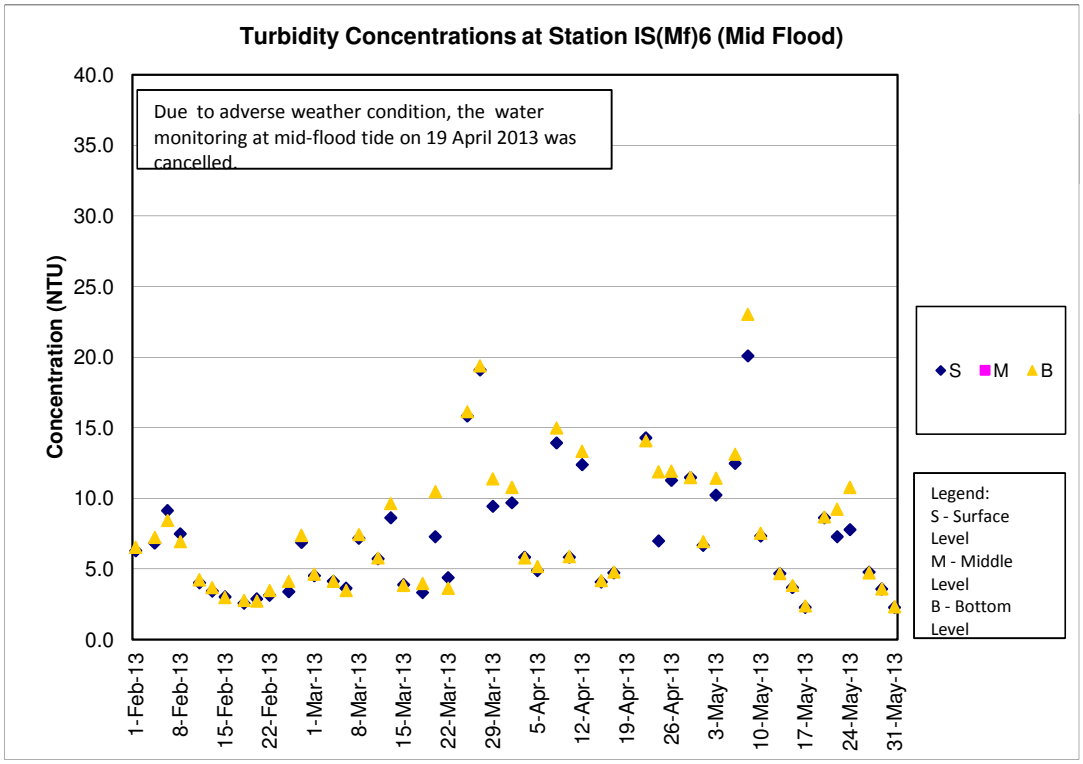

Turbidity Concentrations at Station CS(Mf)5 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (NTU)
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

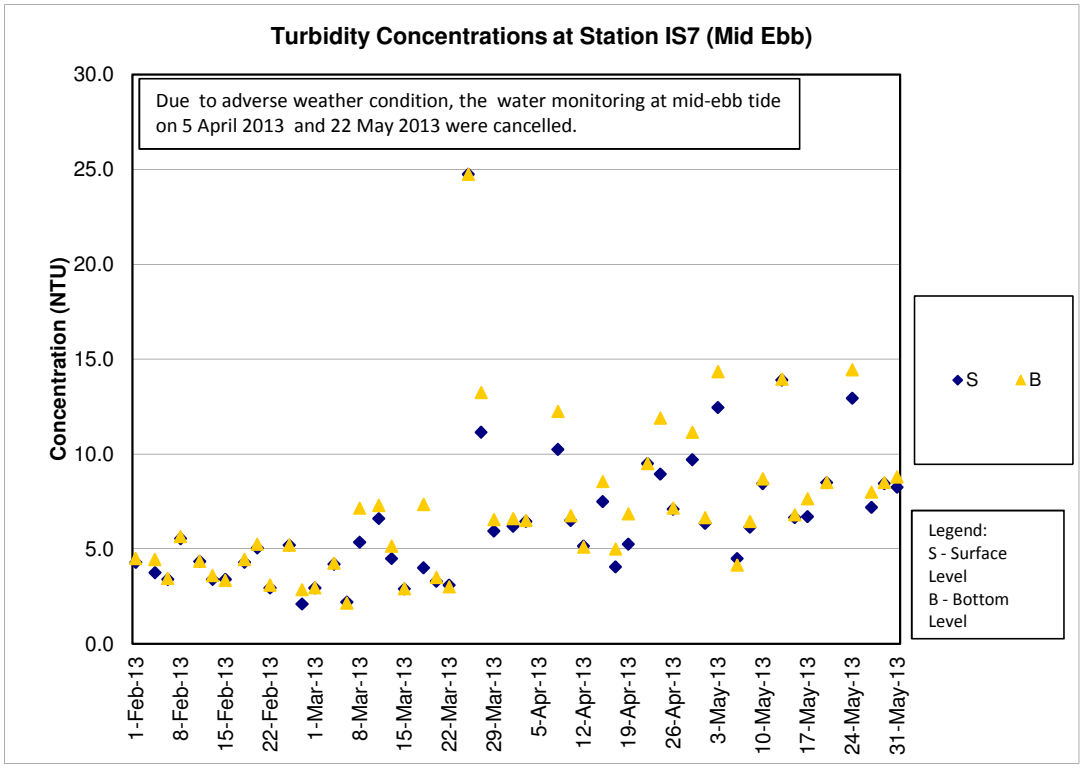

Turbidity Concentrations at Station CS(Mf)5 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (NTU)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

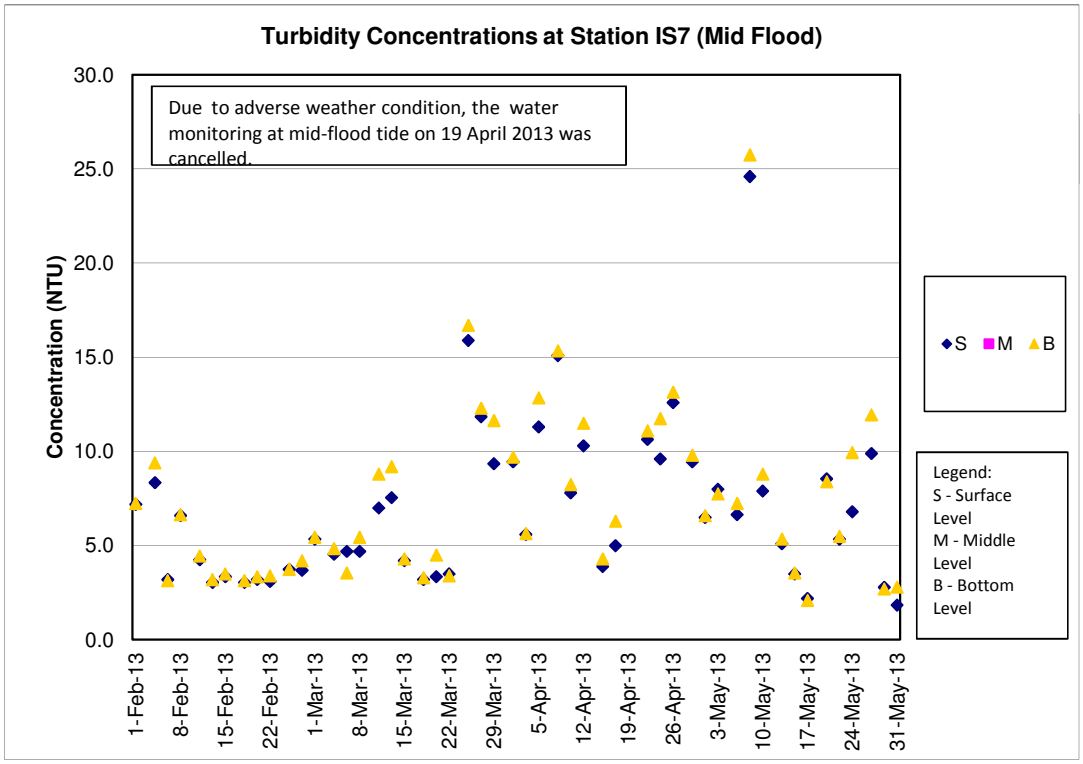

Turbidity Concentrations at Station IS5 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (NTU)
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

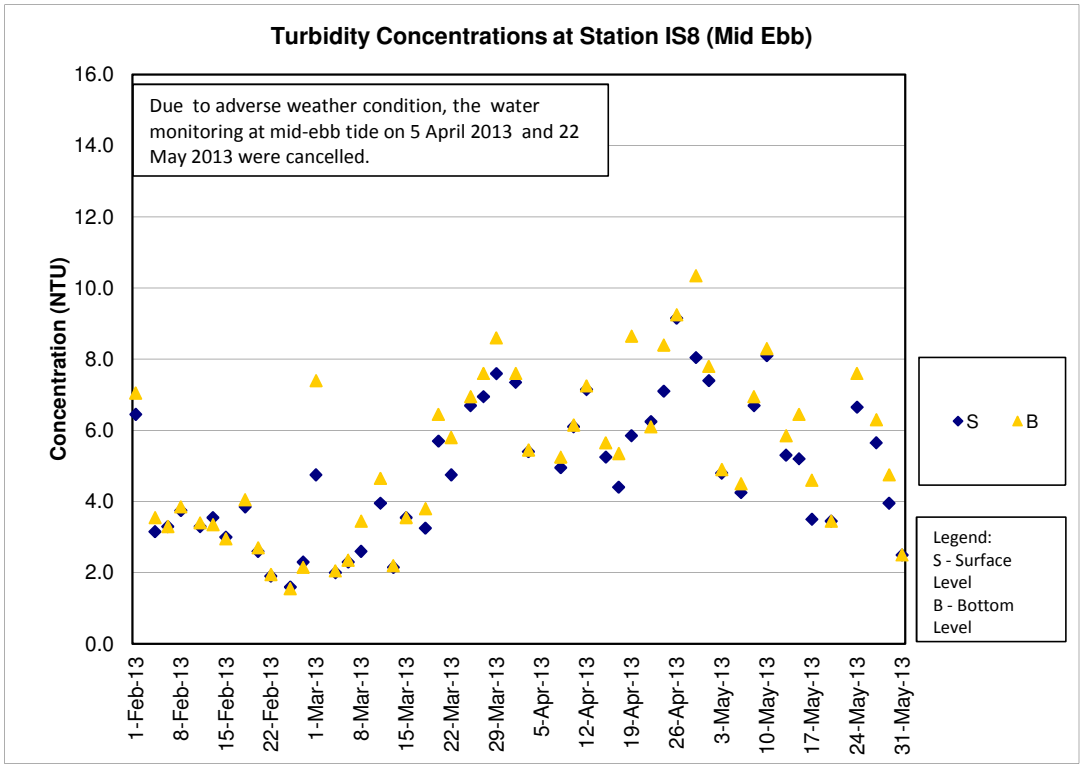

Turbidity Concentrations at Station IS5 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (NTU)
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

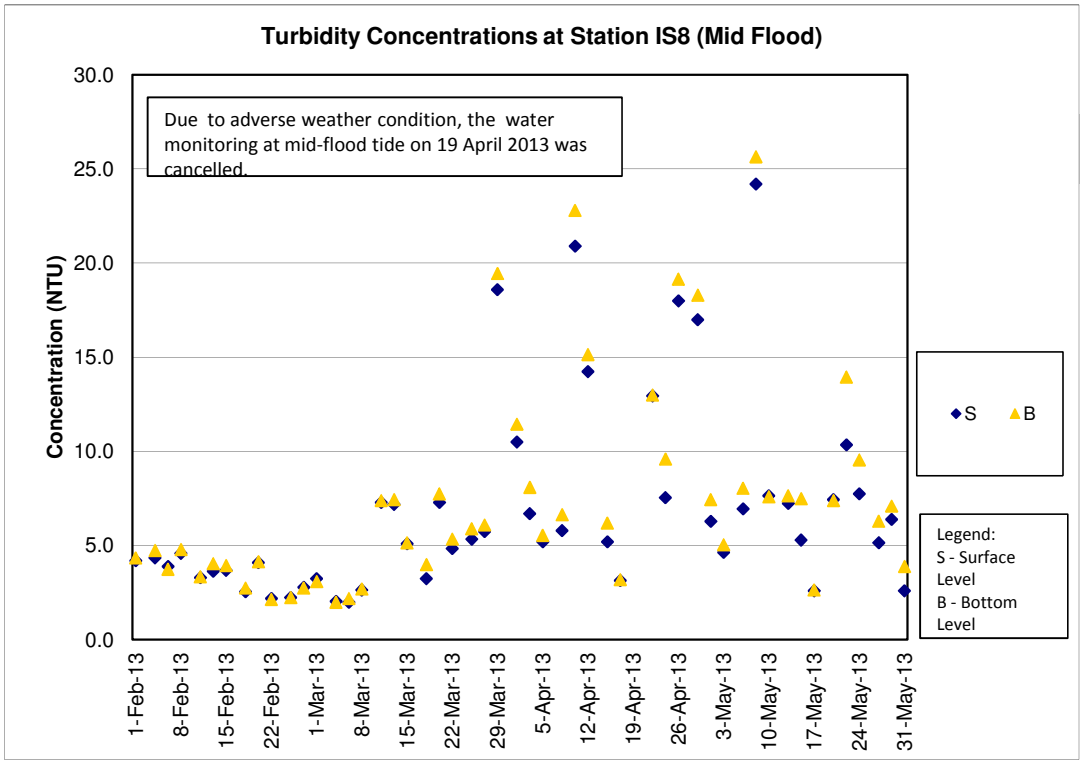

Turbidity Concentrations at Station IS(Mf)6 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (NTU)
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

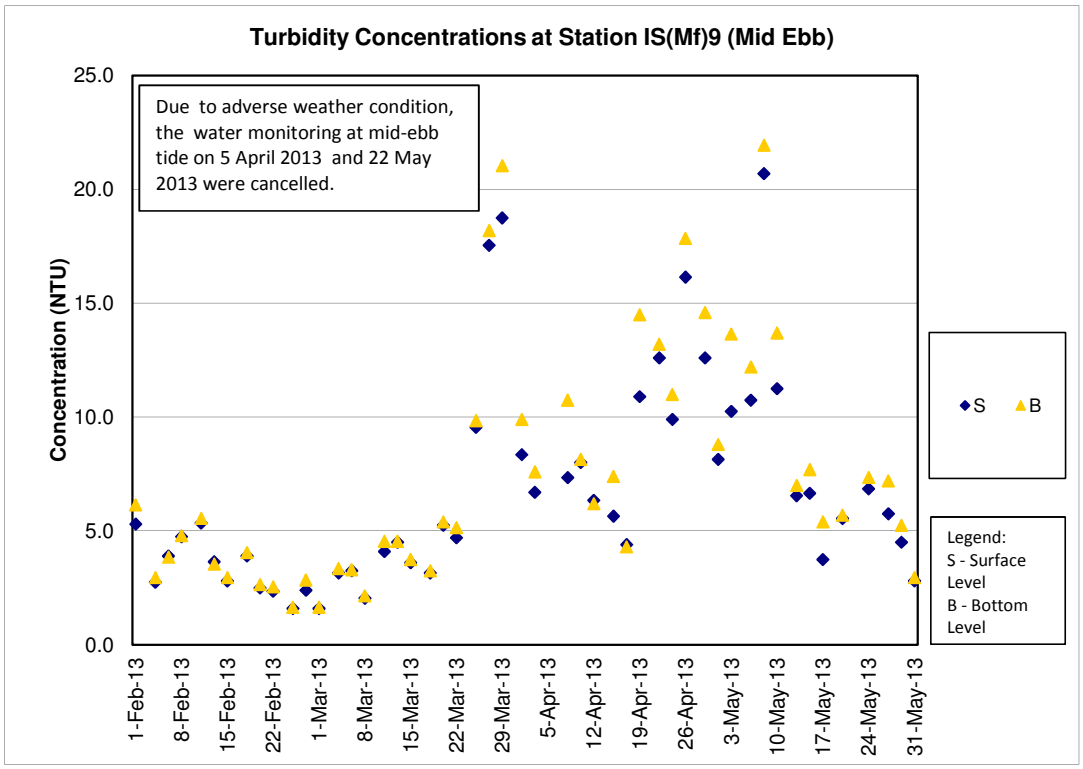

Turbidity Concentrations at Station IS(Mf)6 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (NTU)
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

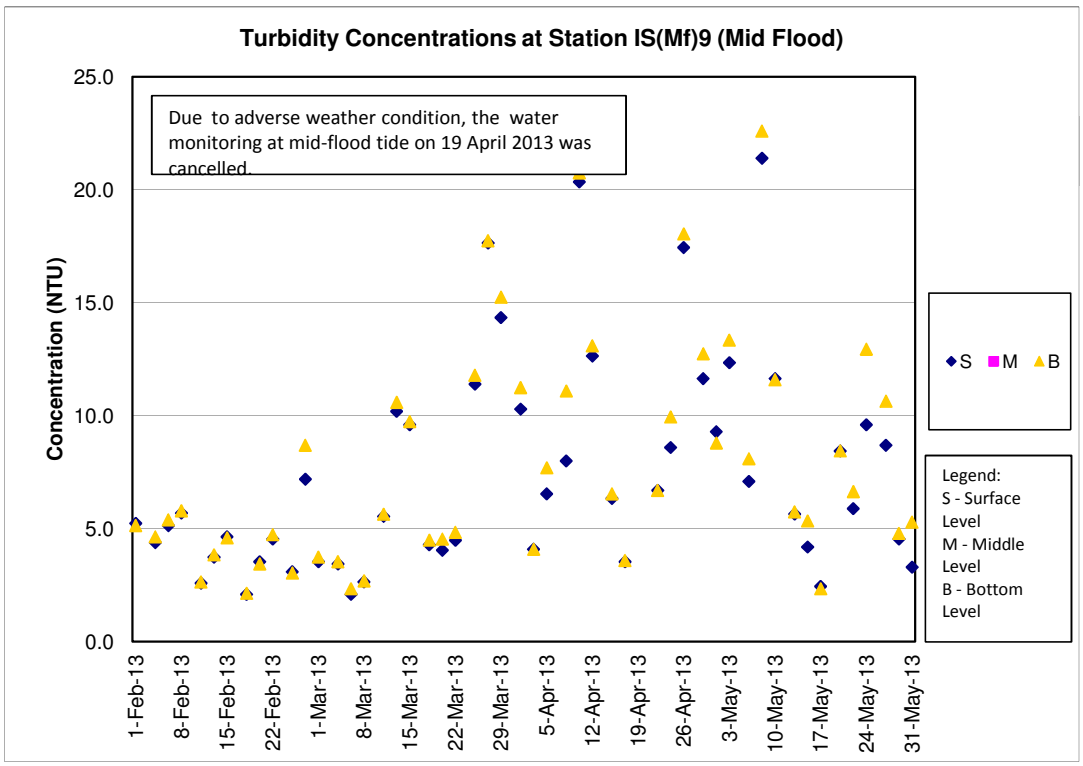

Turbidity Concentrations at Station IS7 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (NTU)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S
B
Legend:
S - Surface Level
B - Bottom Level

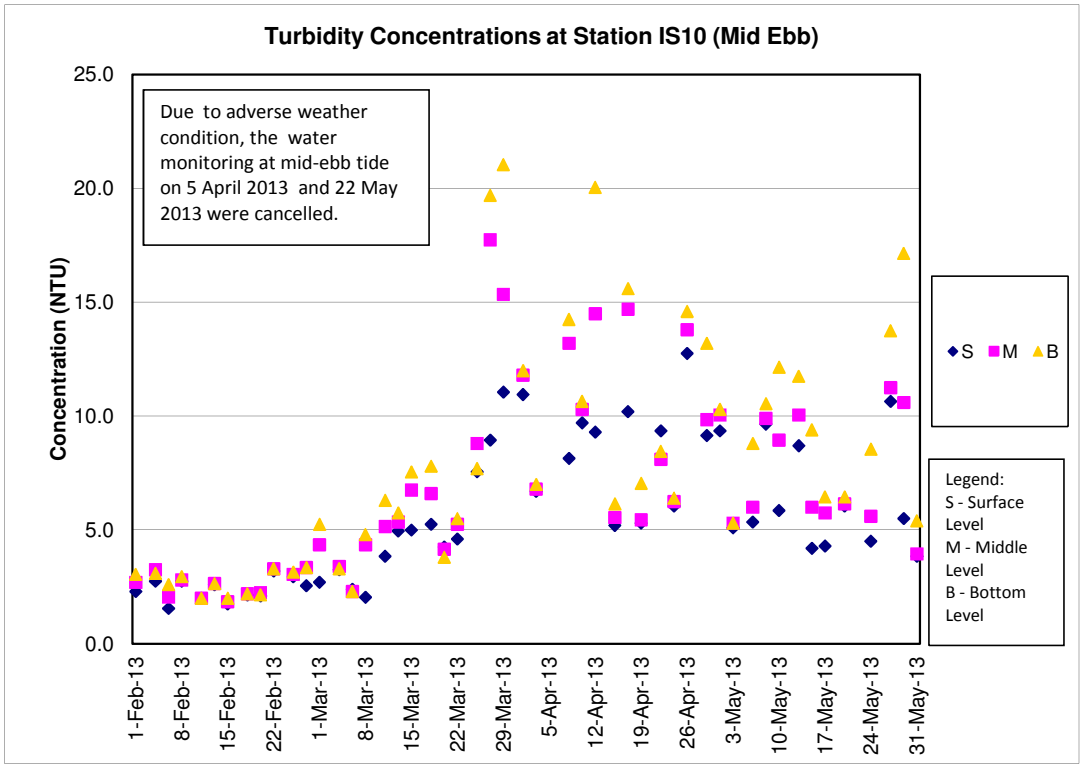

Turbidity Concentrations at Station IS7 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (NTU)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S
M
B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

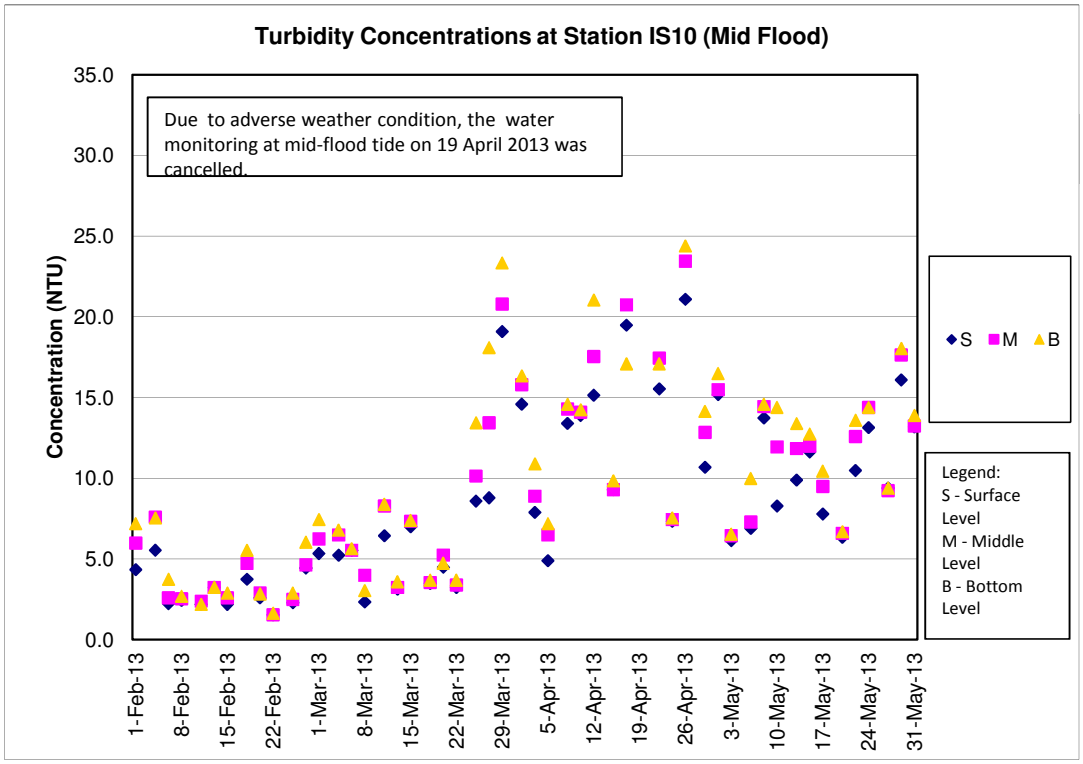

Turbidity Concentrations at Station IS8 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (NTU)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S
B
Legend:
S - Surface Level
B - Bottom Level

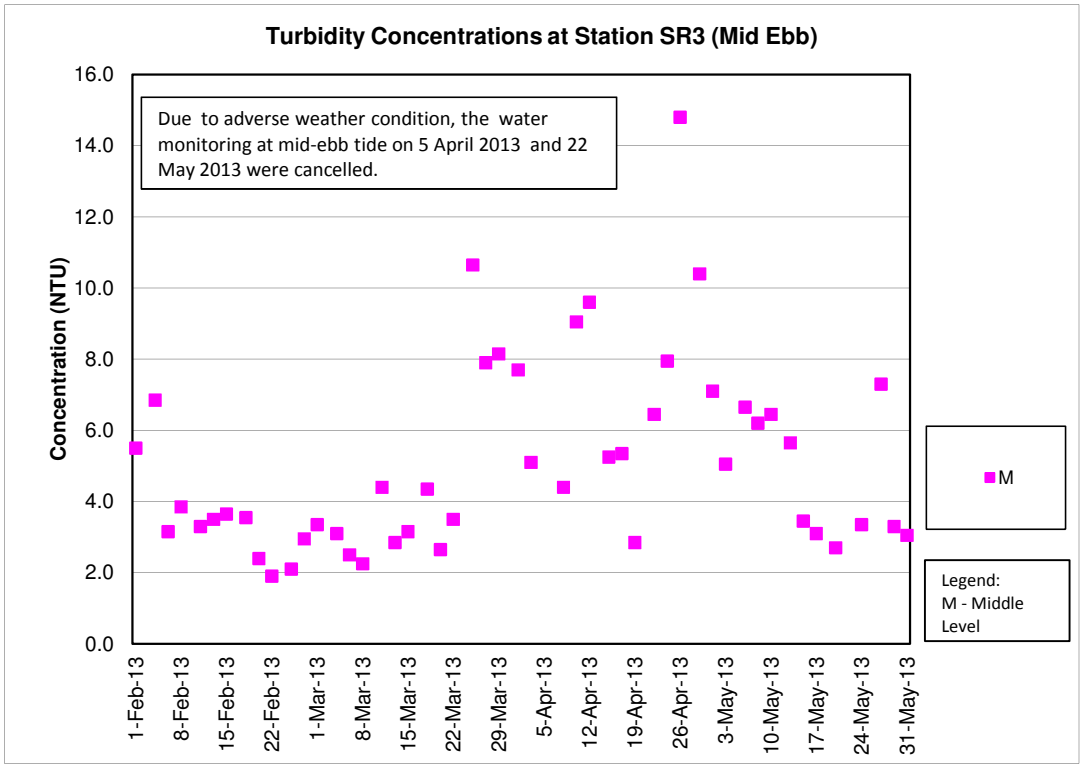

Turbidity Concentrations at Station IS8 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (NTU)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S
B
Legend:
S - Surface Level
B - Bottom Level

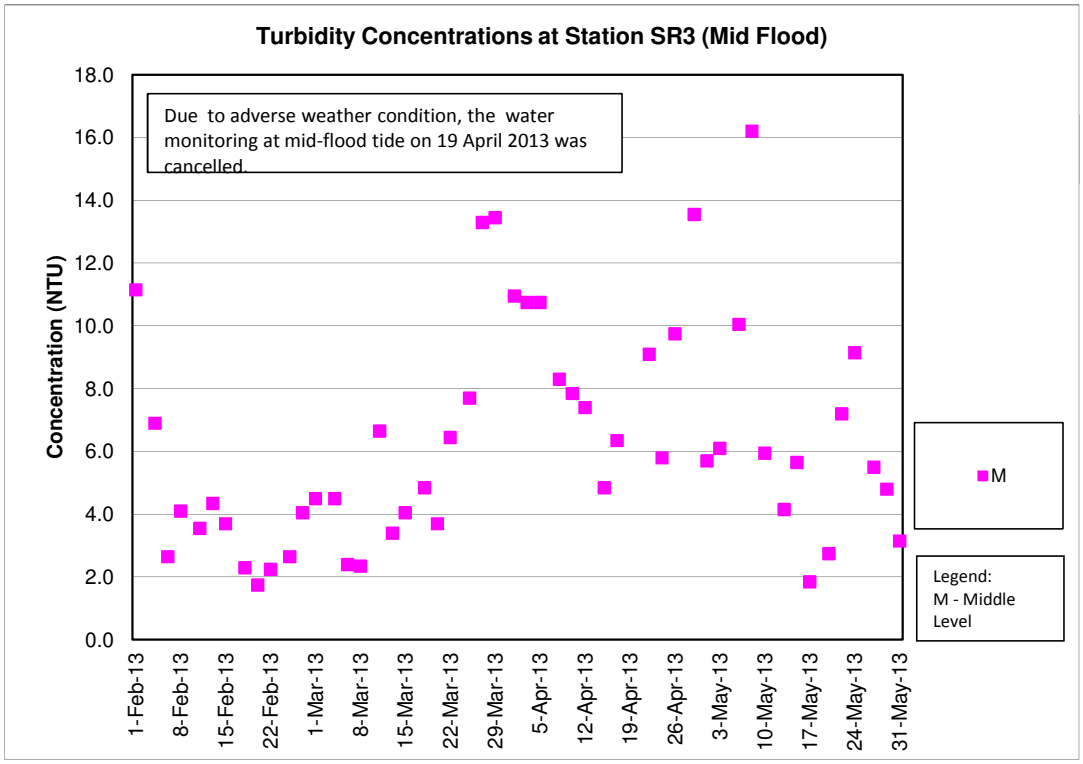

Turbidity Concentrations at Station IS(Mf)9 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (NTU)
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S
B
Legend:
S - Surface Level
B - Bottom Level

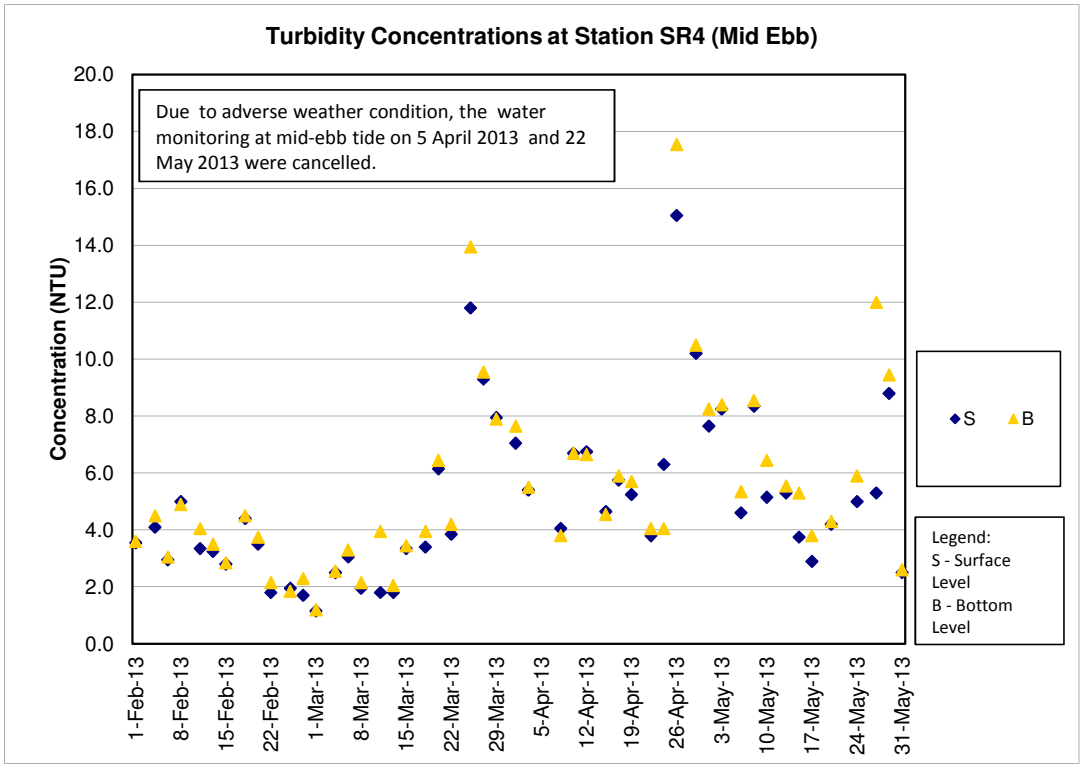

Turbidity Concentrations at Station IS(Mf)9 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (NTU)
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S
M
B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

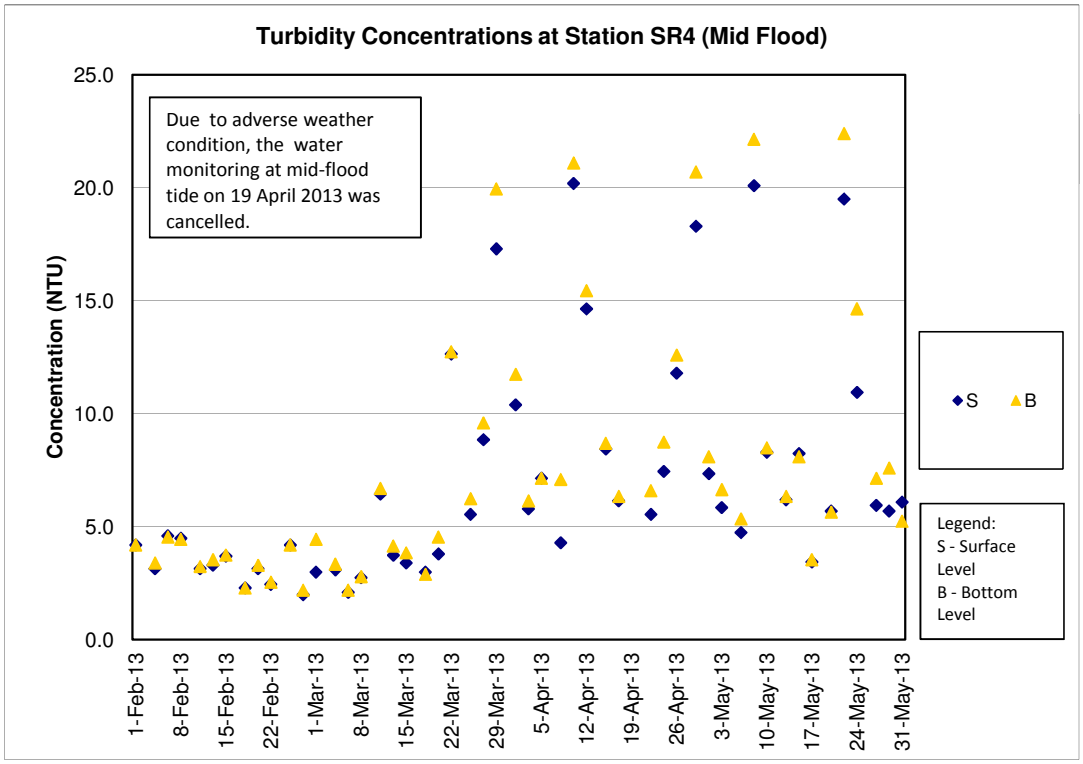

Turbidity Concentrations at Station IS10 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (NTU)
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

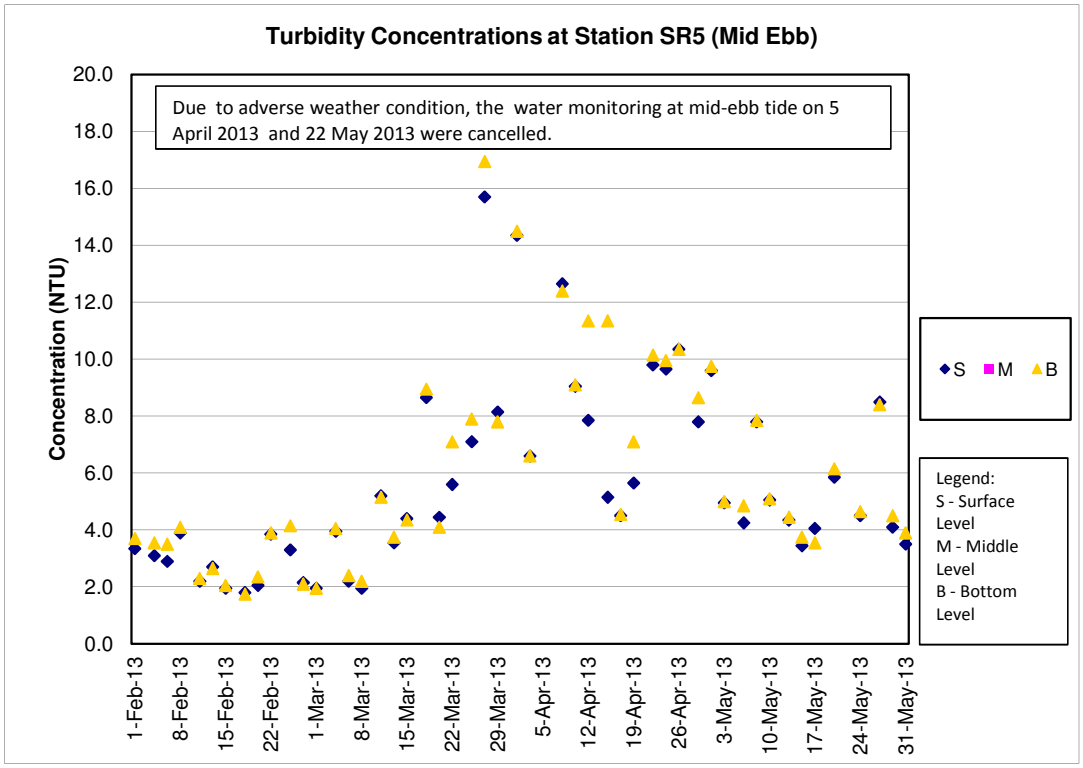

Turbidity Concentrations at Station IS10 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (NTU)
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

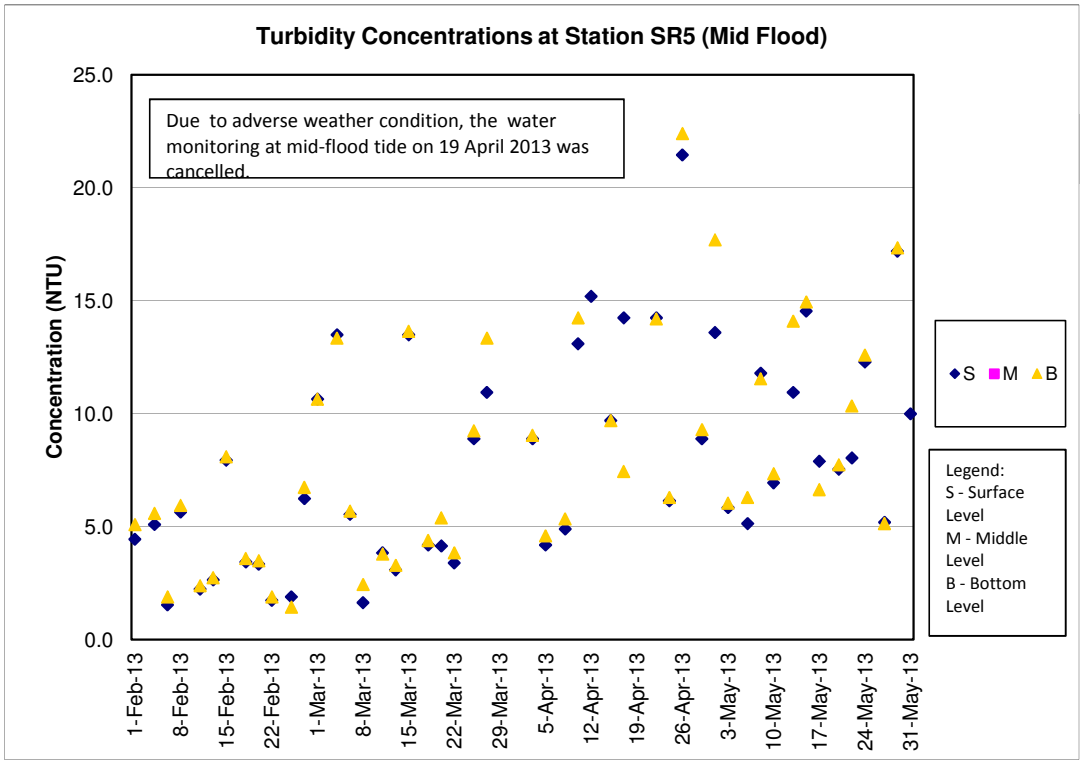

Turbidity Concentrations at Station SR3 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (NTU)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
M
Legend:
M - Middle Level

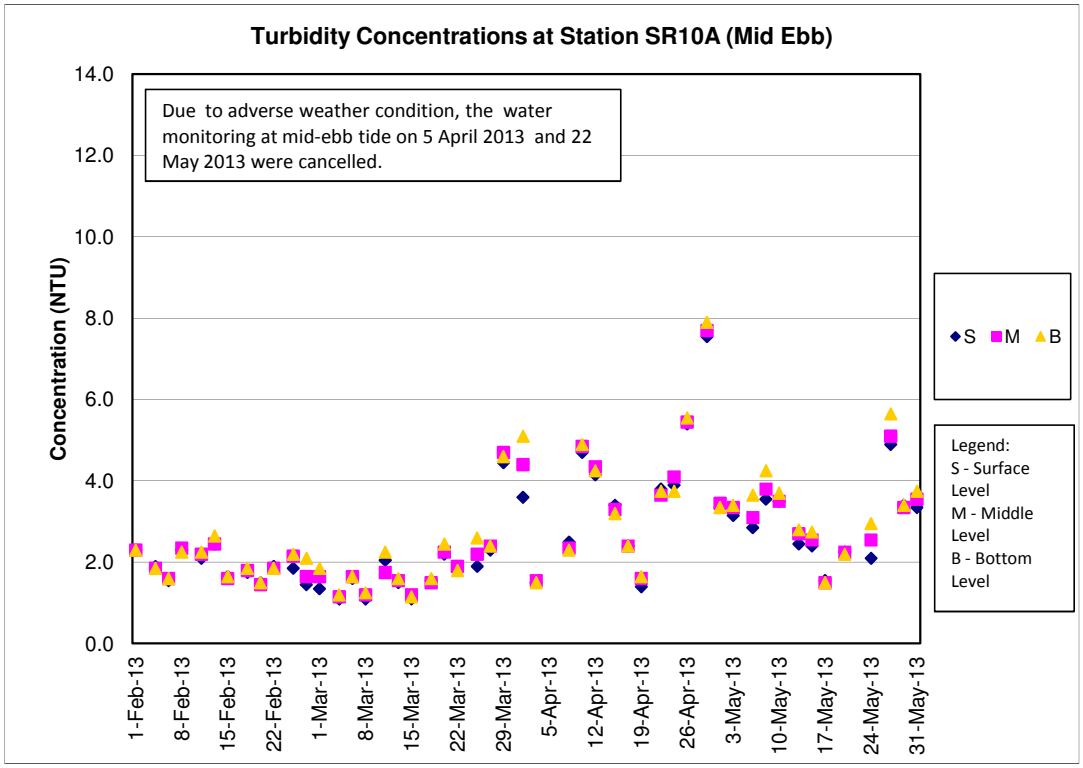

Turbidity Concentrations at Station SR3 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (NTU)
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
M
Legend:
M - Middle Level

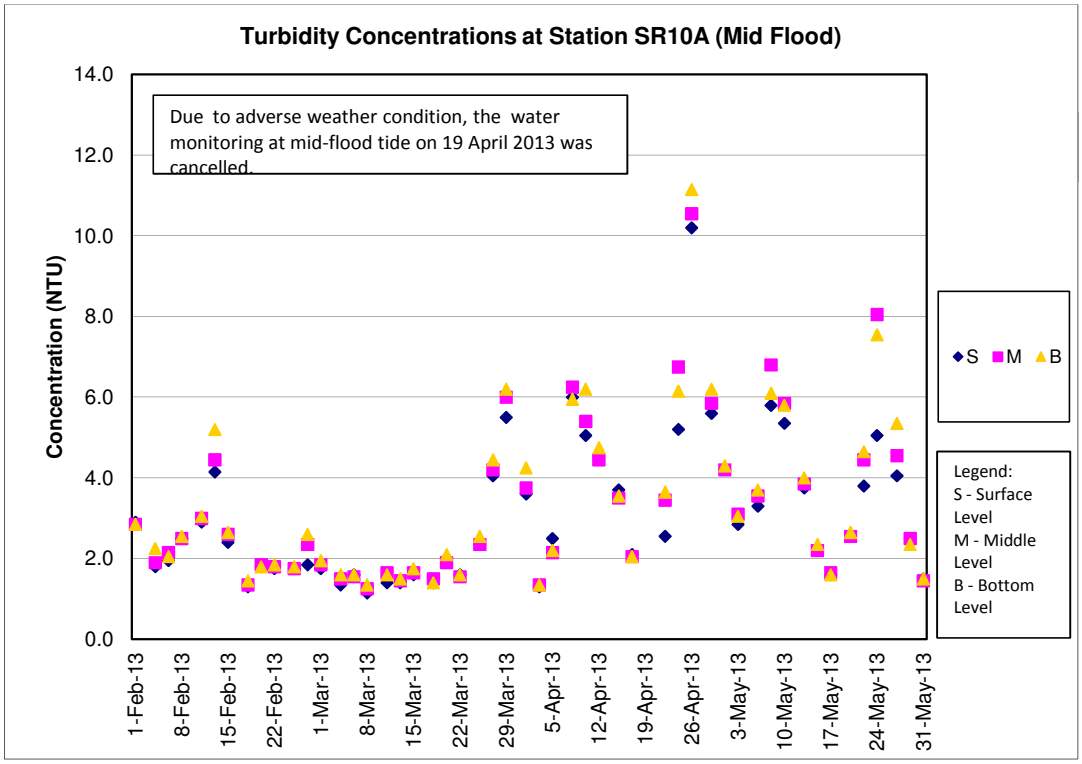

Turbidity Concentrations at Station SR4 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (NTU)
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S
B
Legend:
S - Surface Level
B - Bottom Level

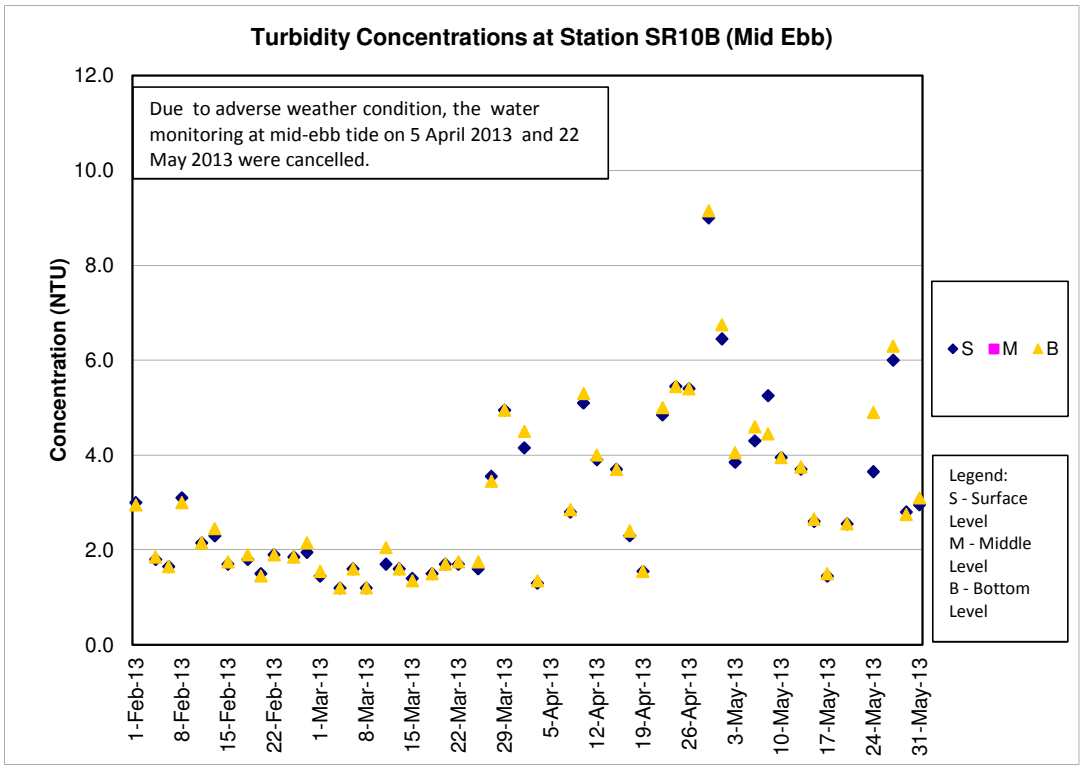

Turbidity Concentrations at Station SR4 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (NTU)
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S
B
Legend:
S - Surface Level
B - Bottom Level

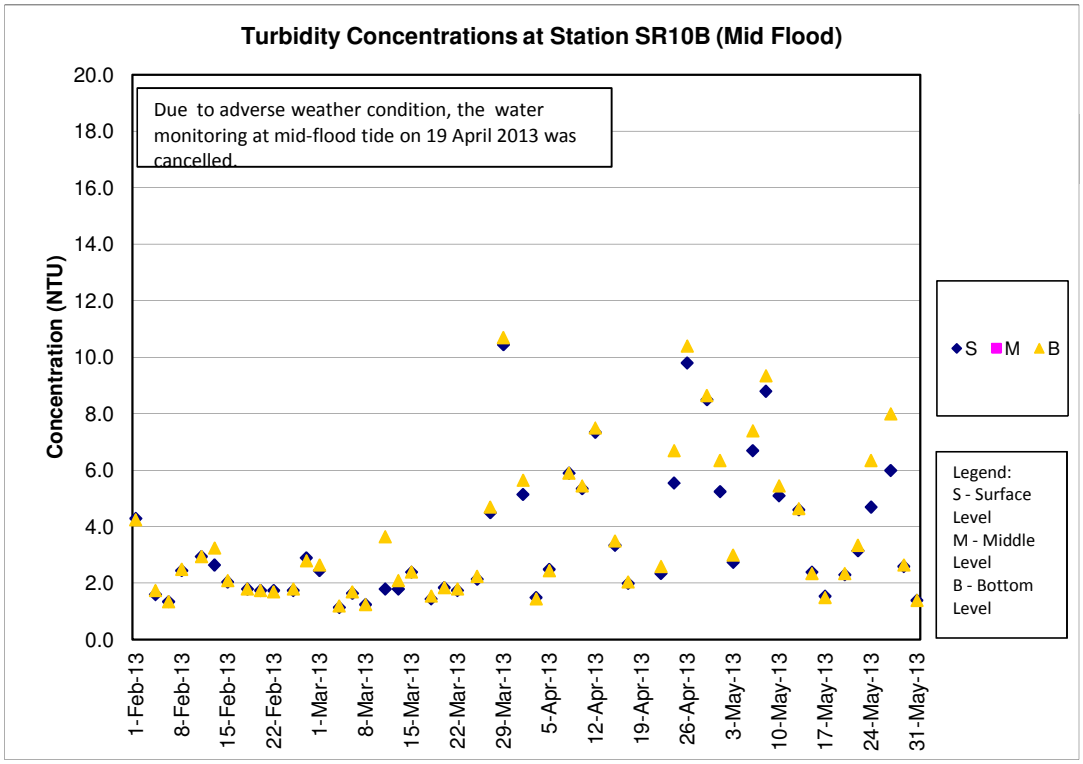

Turbidity Concentrations at Station SR5 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (NTU)
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

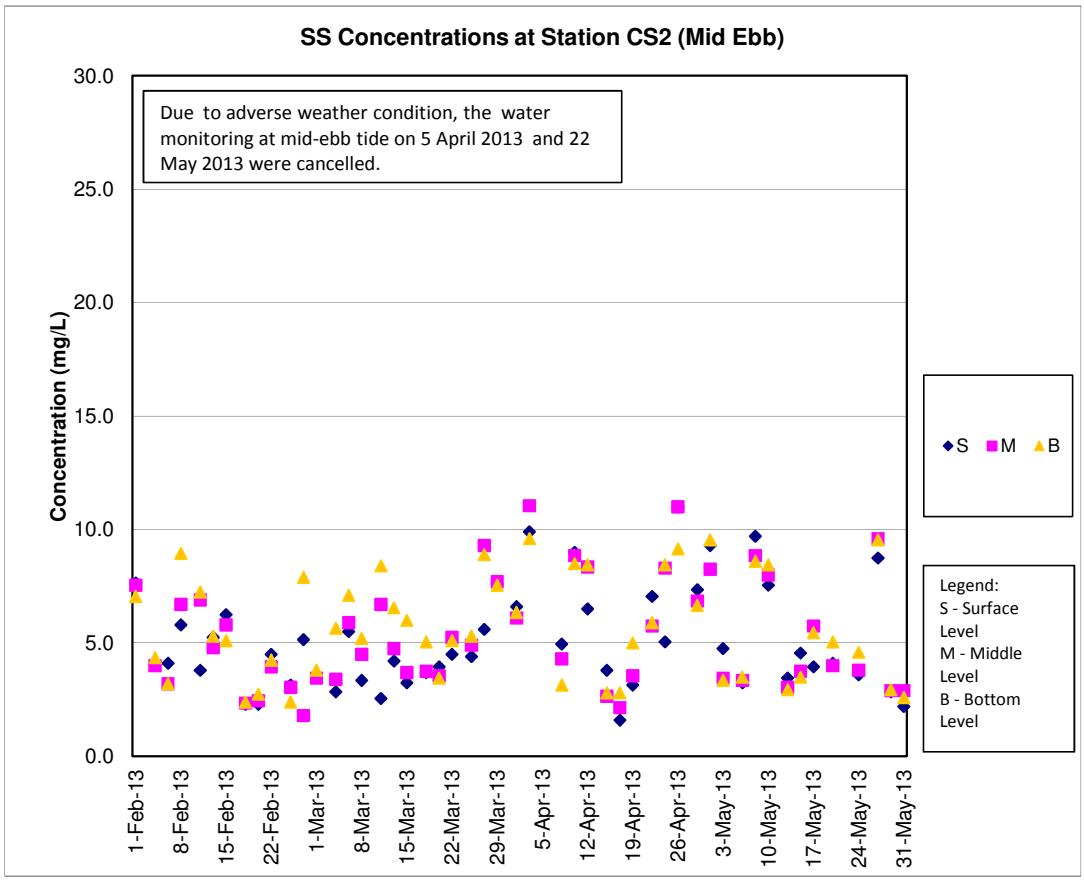

Turbidity Concentrations at Station SR5 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (NTU)
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

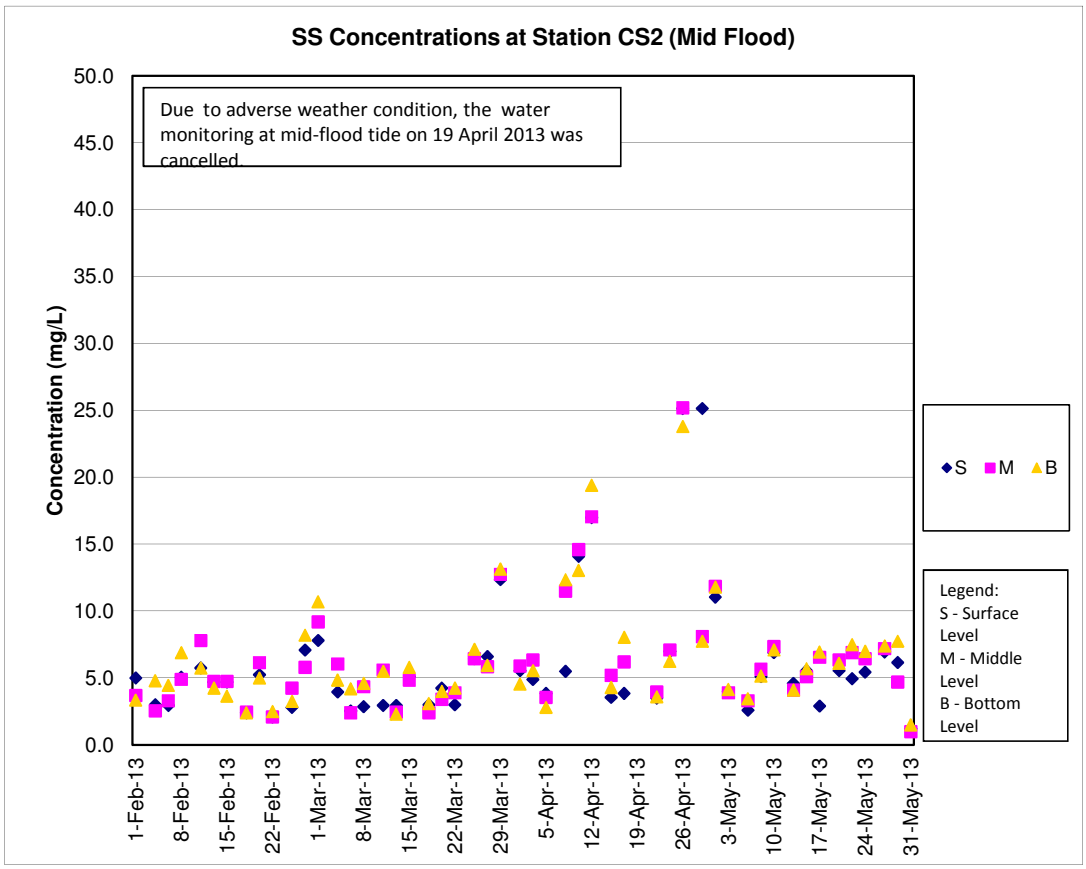

Turbidity Concentrations at Station SR10A (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (NTU)
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

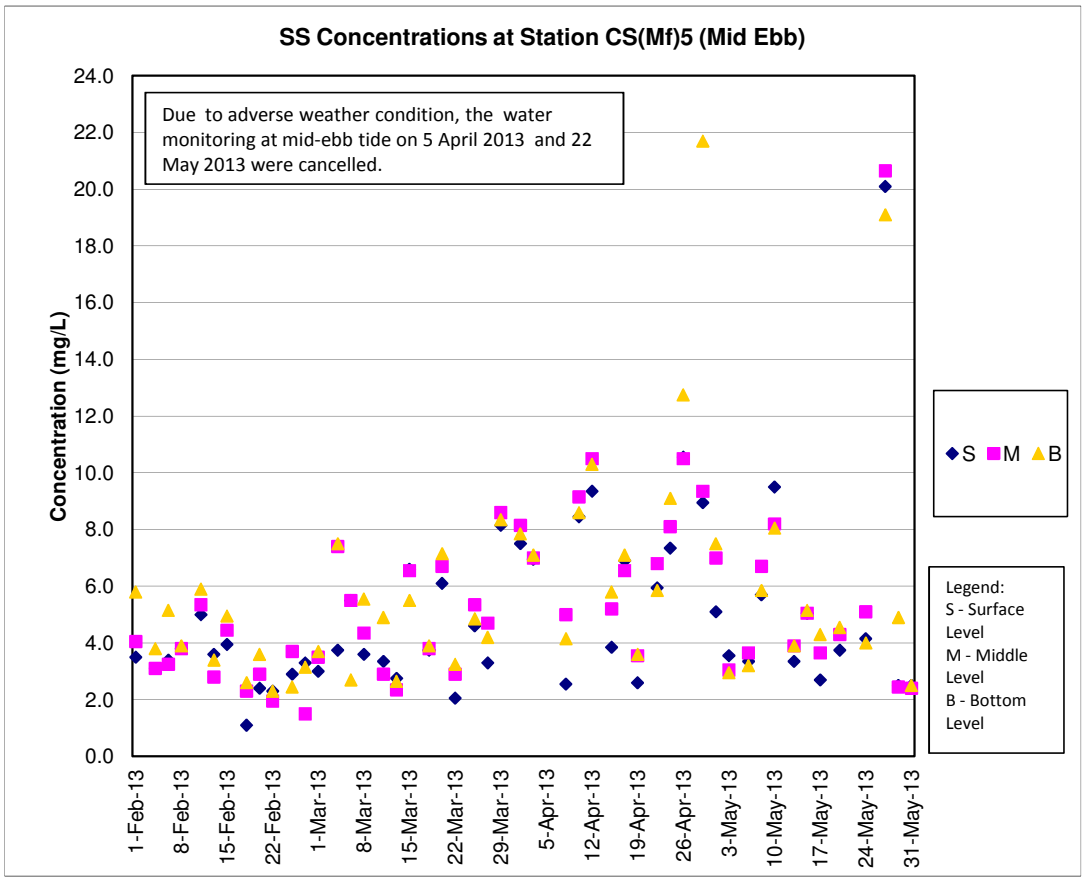

Turbidity Concentrations at Station SR10A (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (NTU)
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

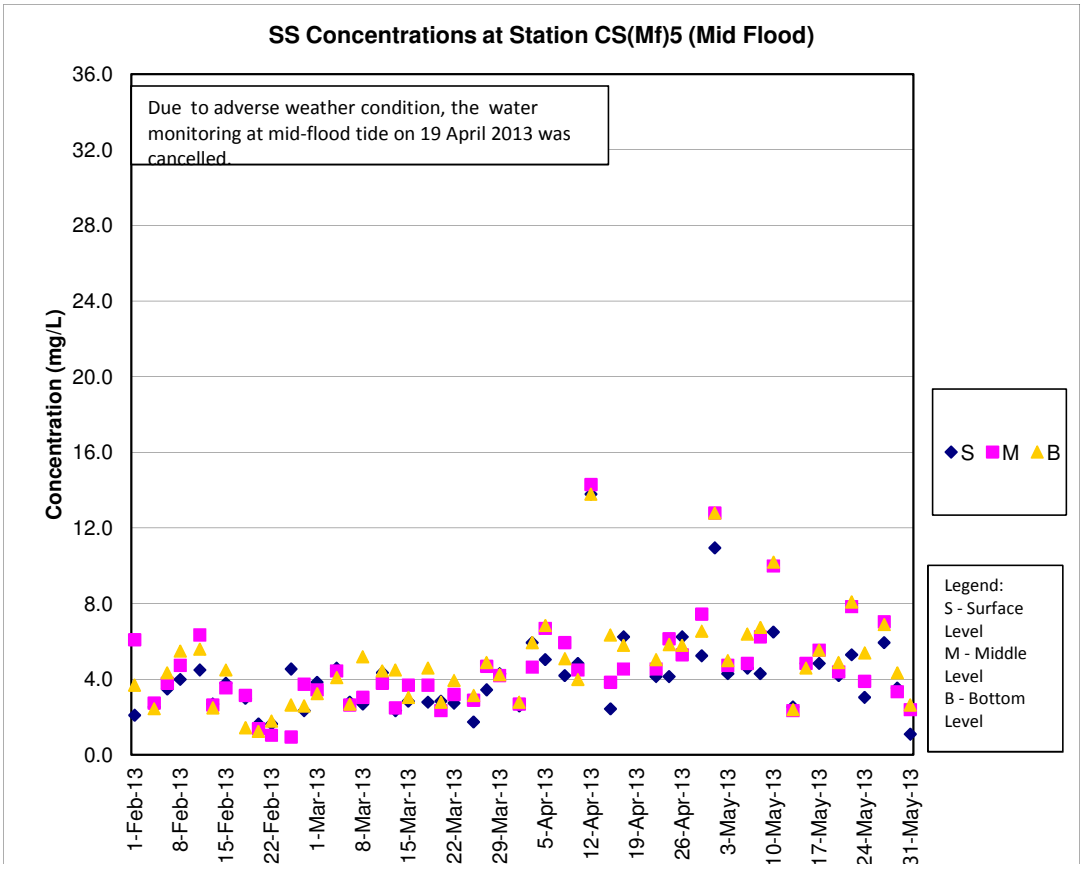

Turbidity Concentrations at Station SR10B (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (NTU)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

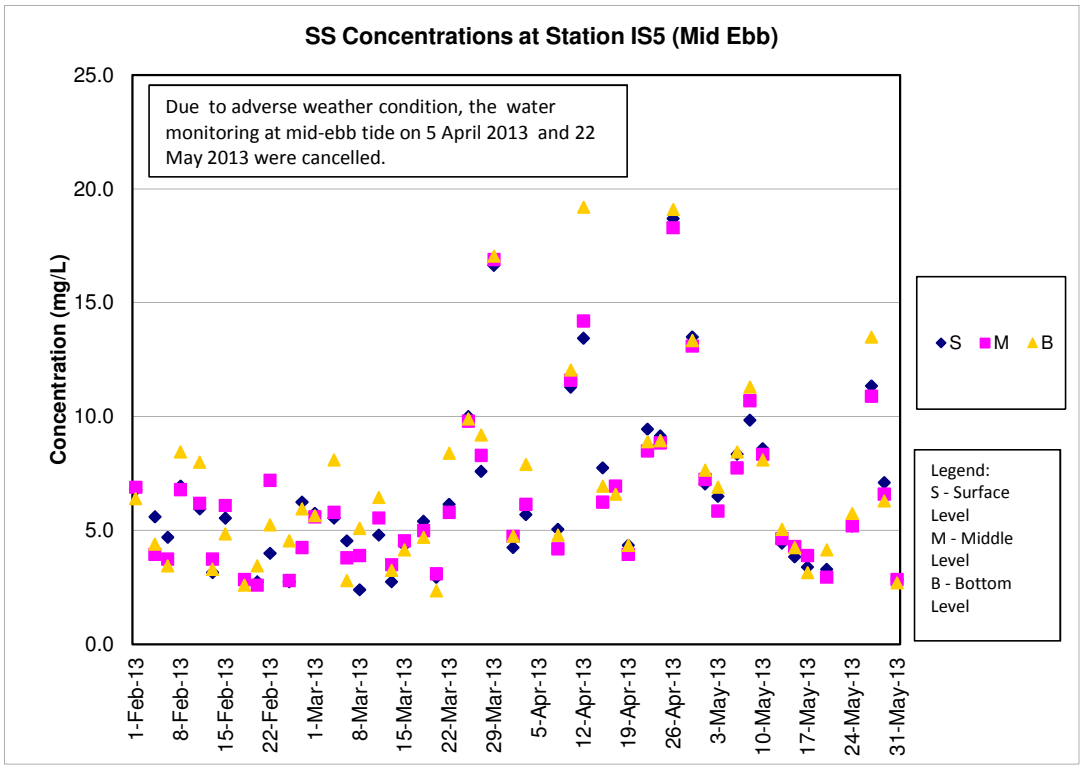

Turbidity Concentrations at Station SR10B (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (NTU)
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

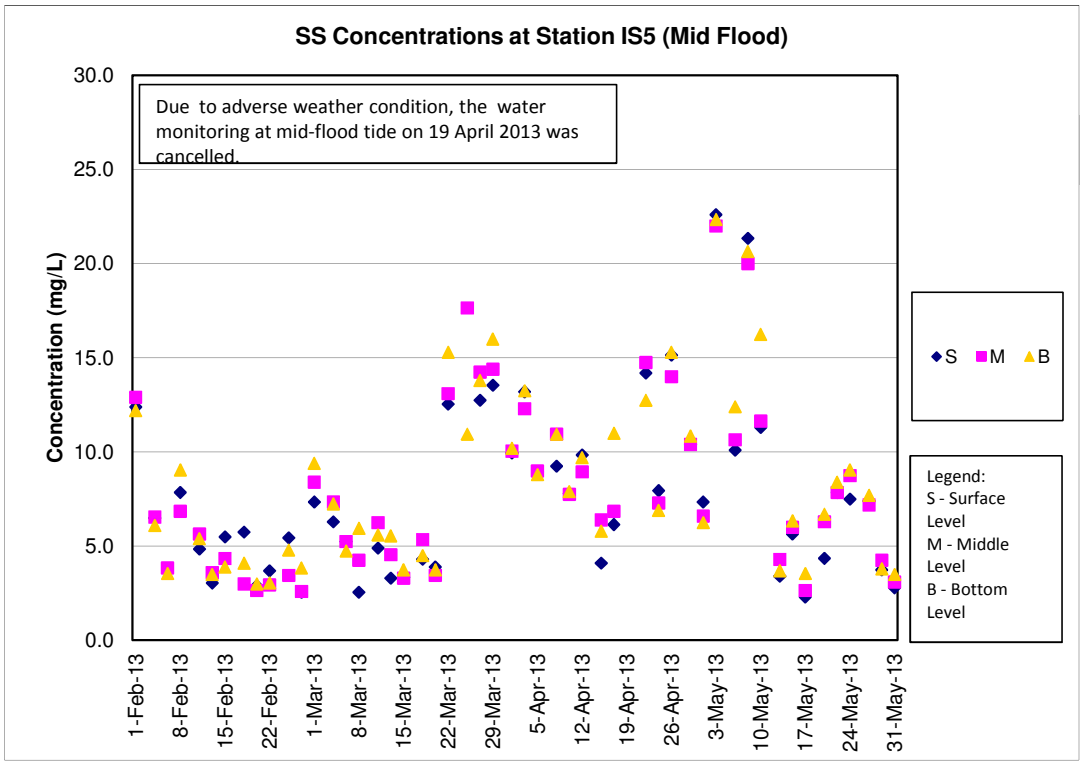

SS Concentrations at Station CS2 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

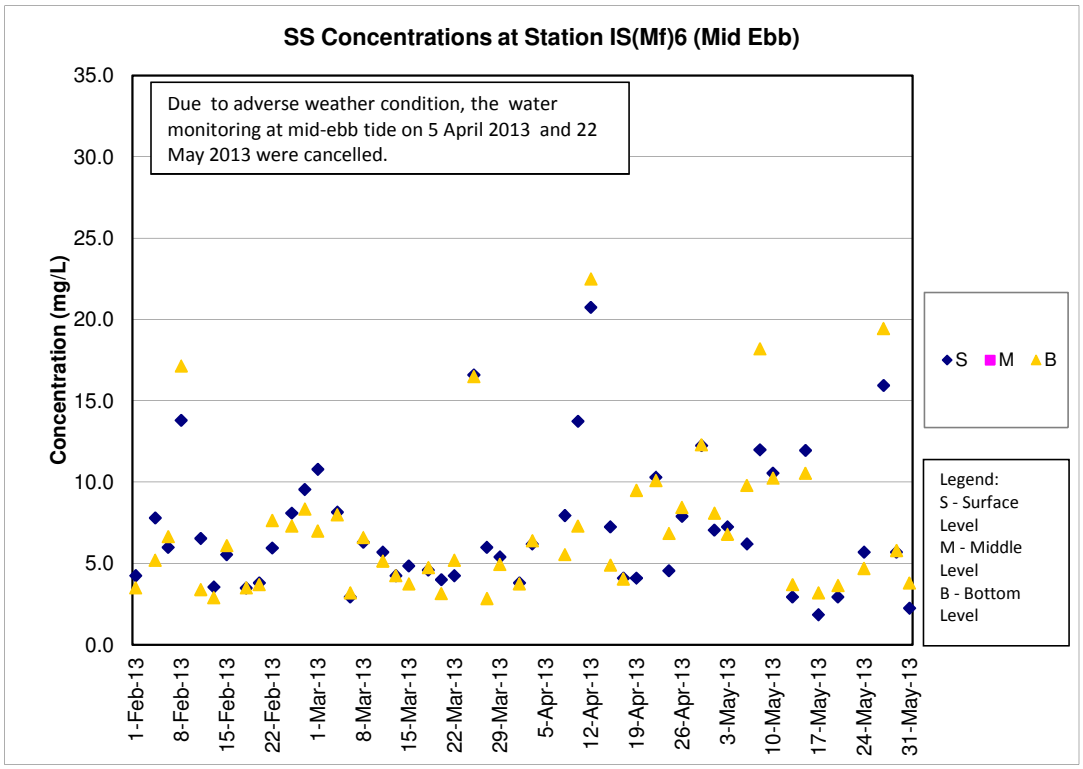

SS Concentrations at Station CS2 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

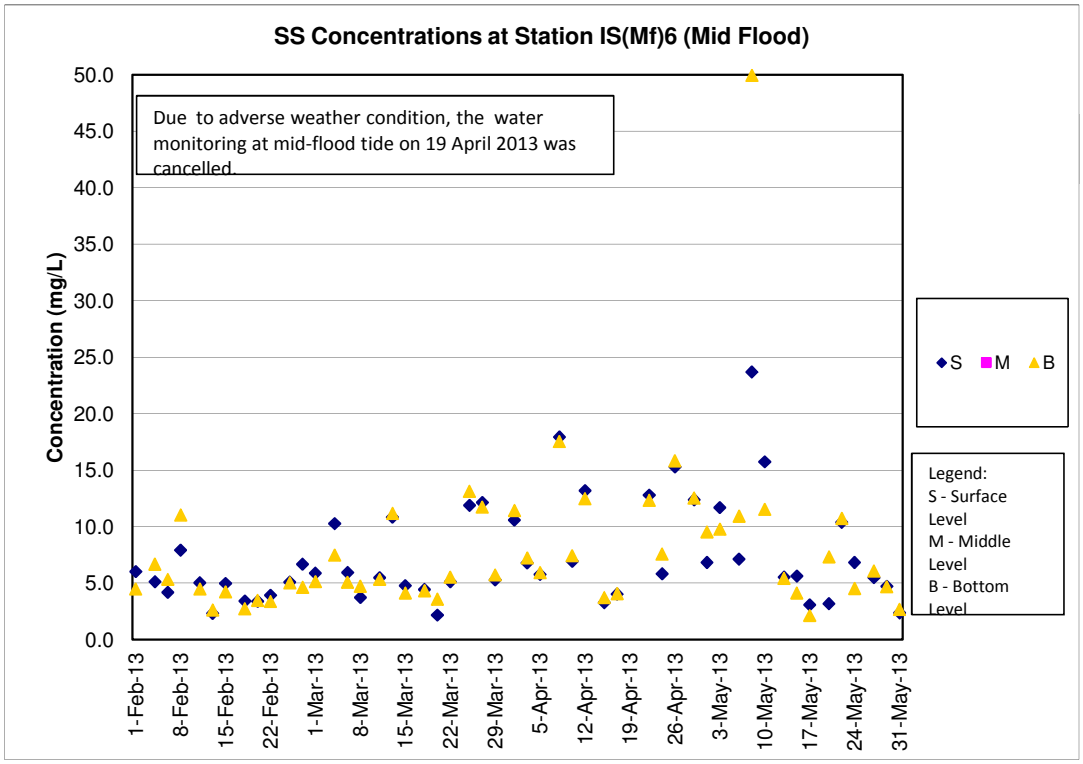

SS Concentrations at Station CS(Mf)5 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
24.0
22.0
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

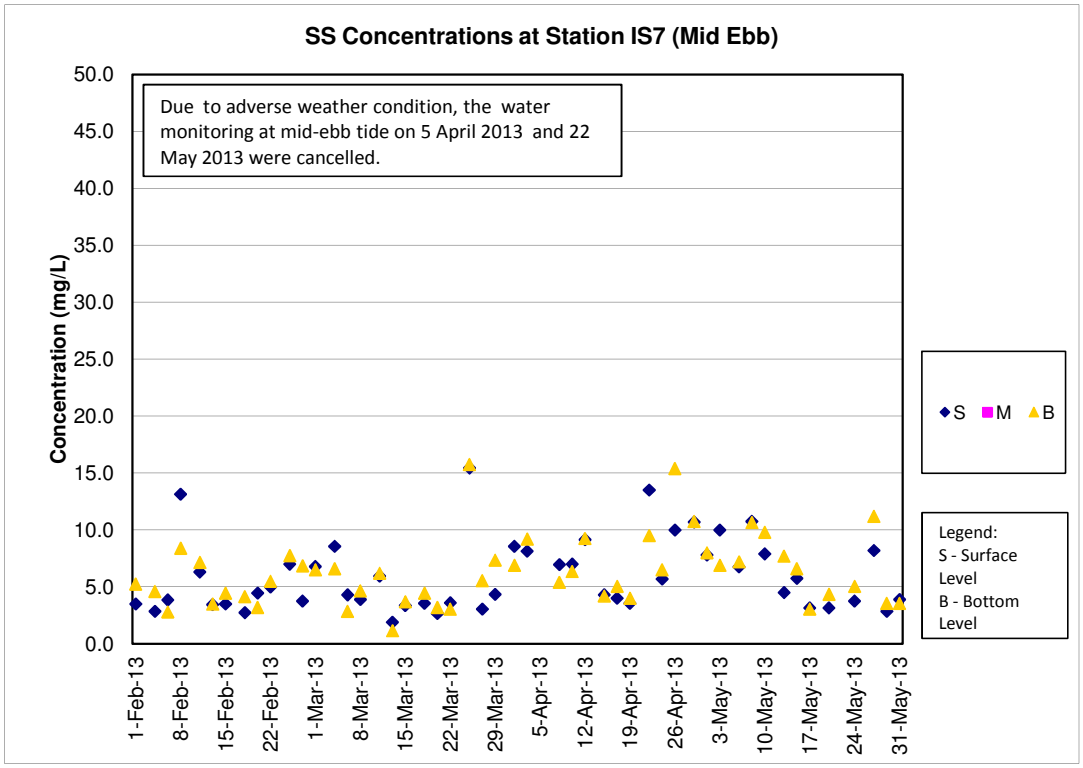

SS Concentrations at Station CS(Mf)5 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
36.0
32.0
28.0
24.0
20.0
16.0
12.0
8.0
4.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

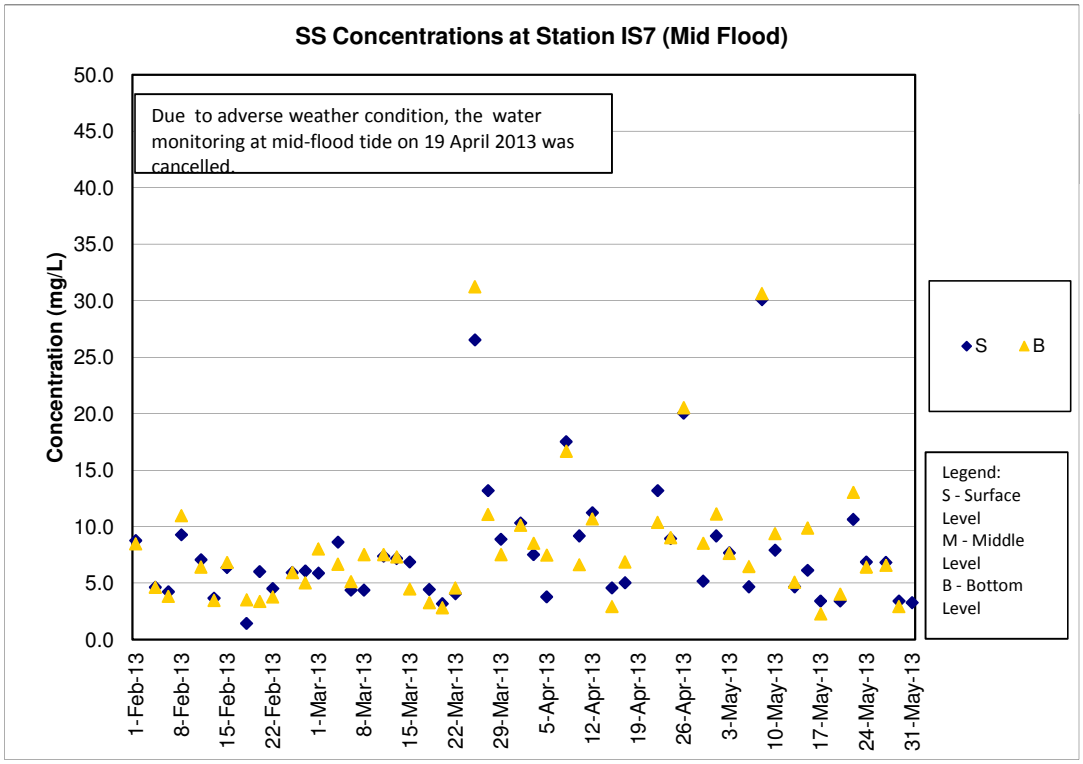

SS Concentrations at Station IS5 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

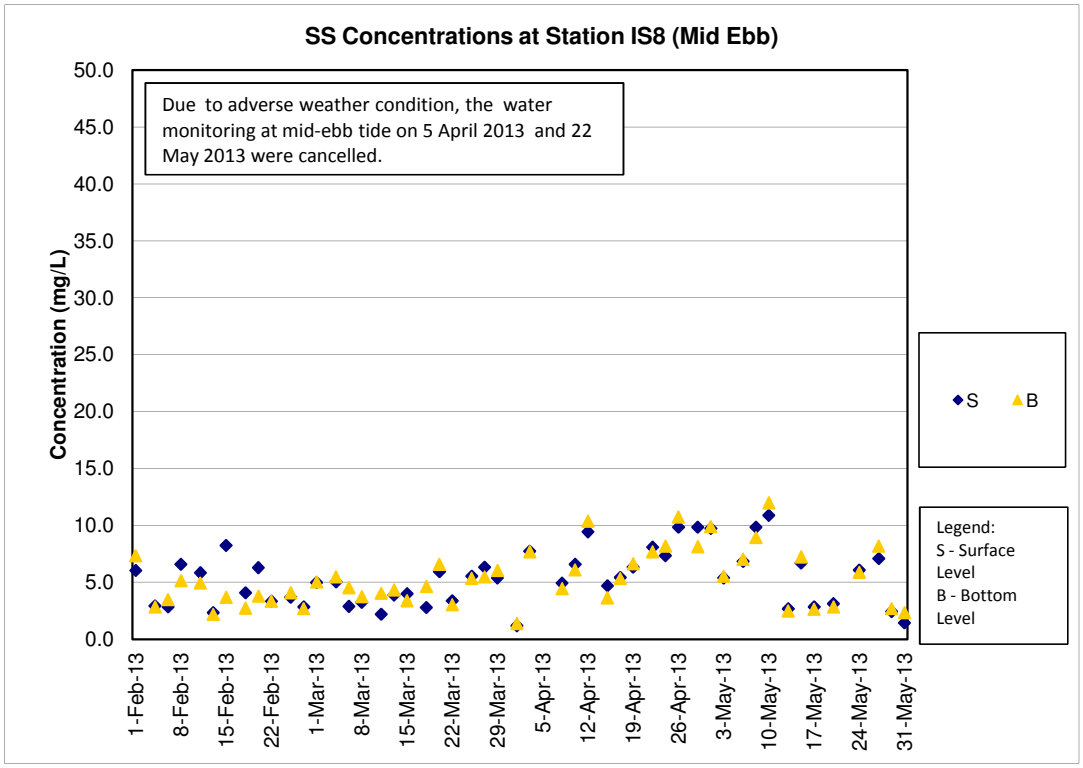

SS Concentrations at Station IS5 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

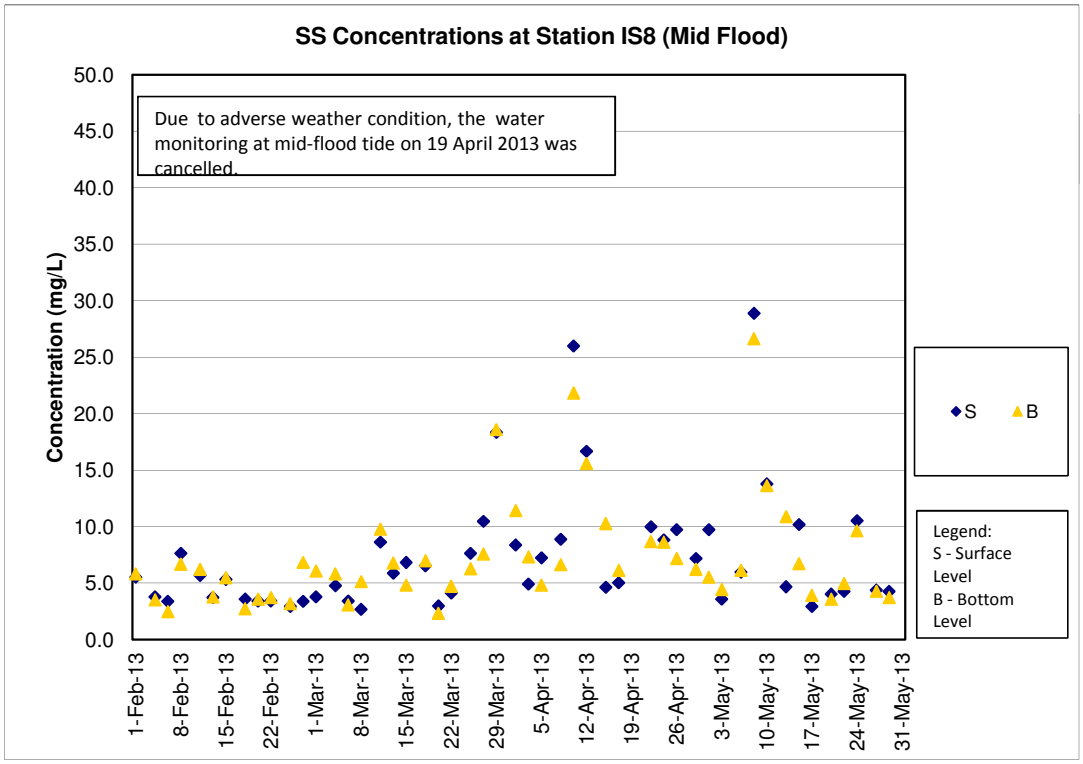

SS Concentrations at Station IS(Mf)6 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

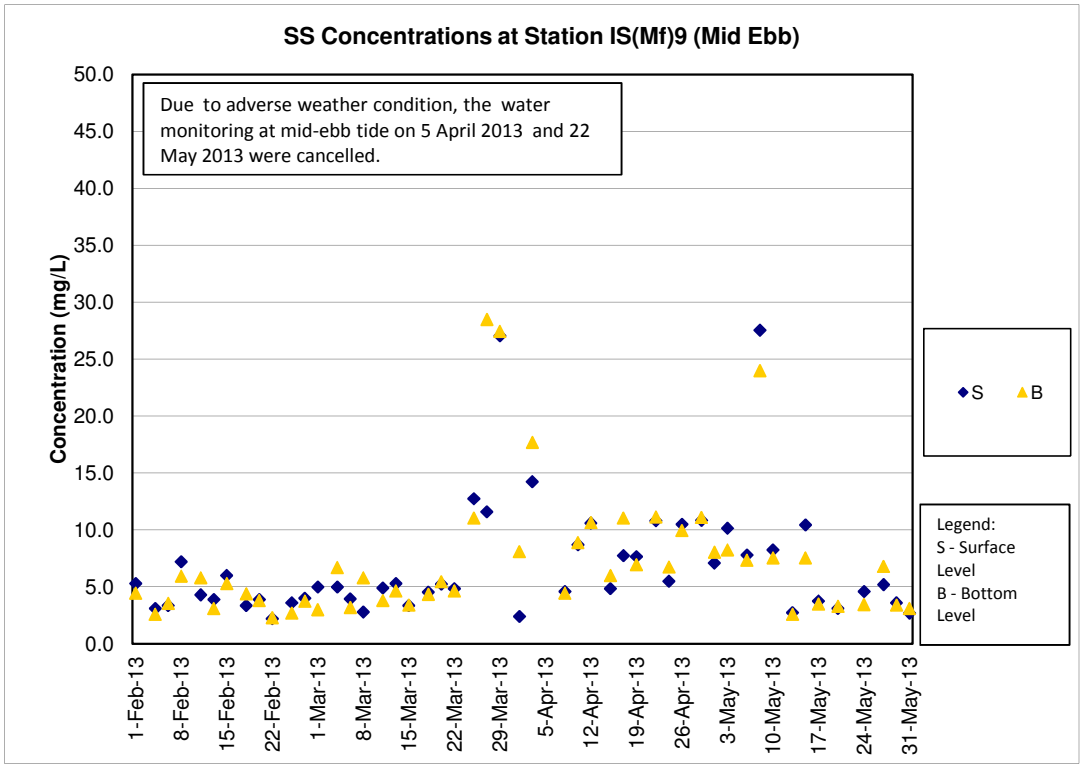

SS Concentrations at Station IS(Mf)6 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

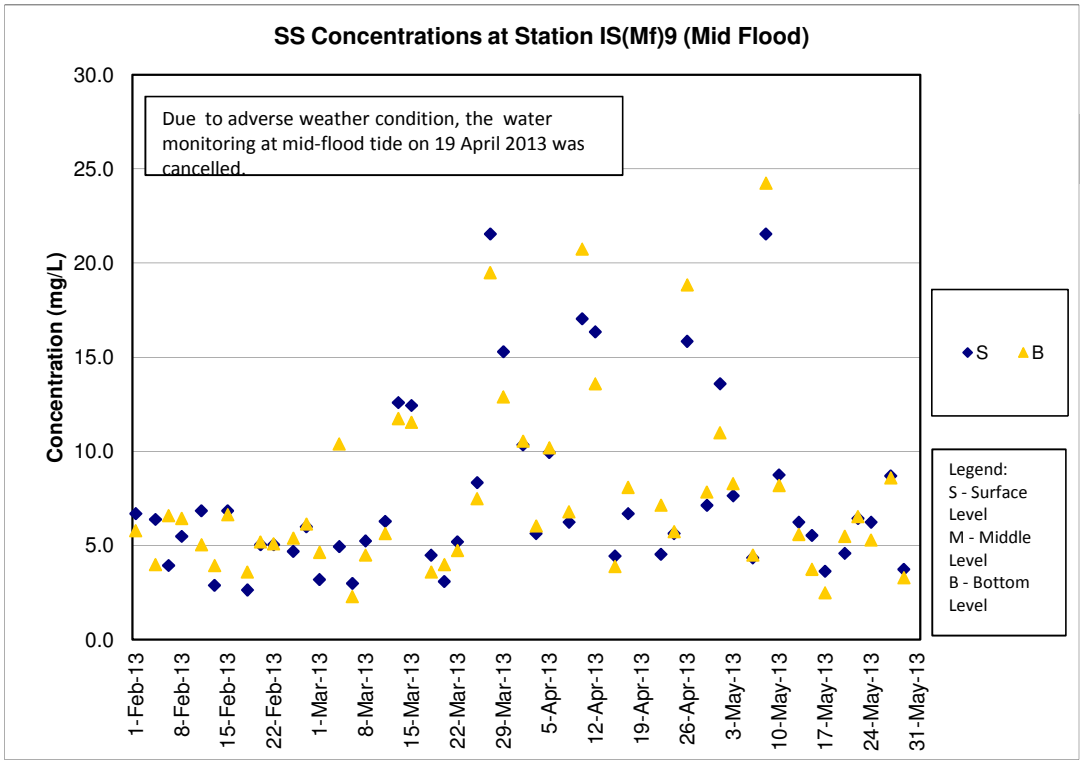

SS Concentrations at Station IS7 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
B - Bottom Level

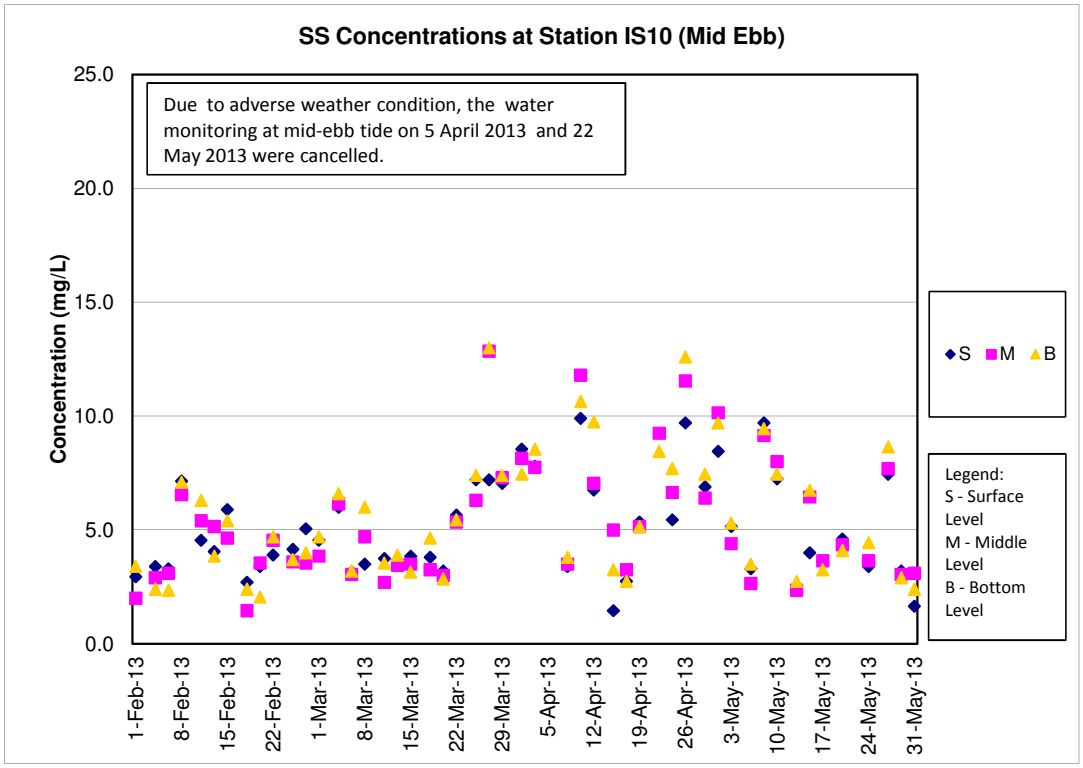

SS Concentrations at Station IS7 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

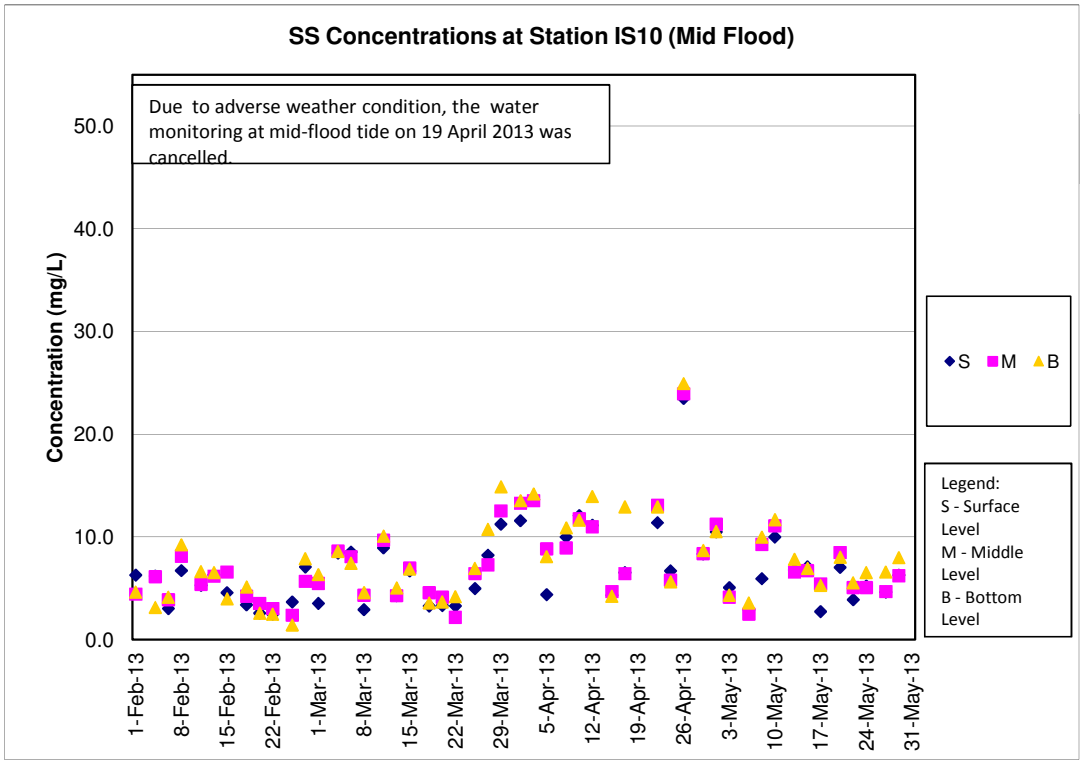

SS Concentrations at Station IS8 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S
B
Legend:
S - Surface Level
B - Bottom Level

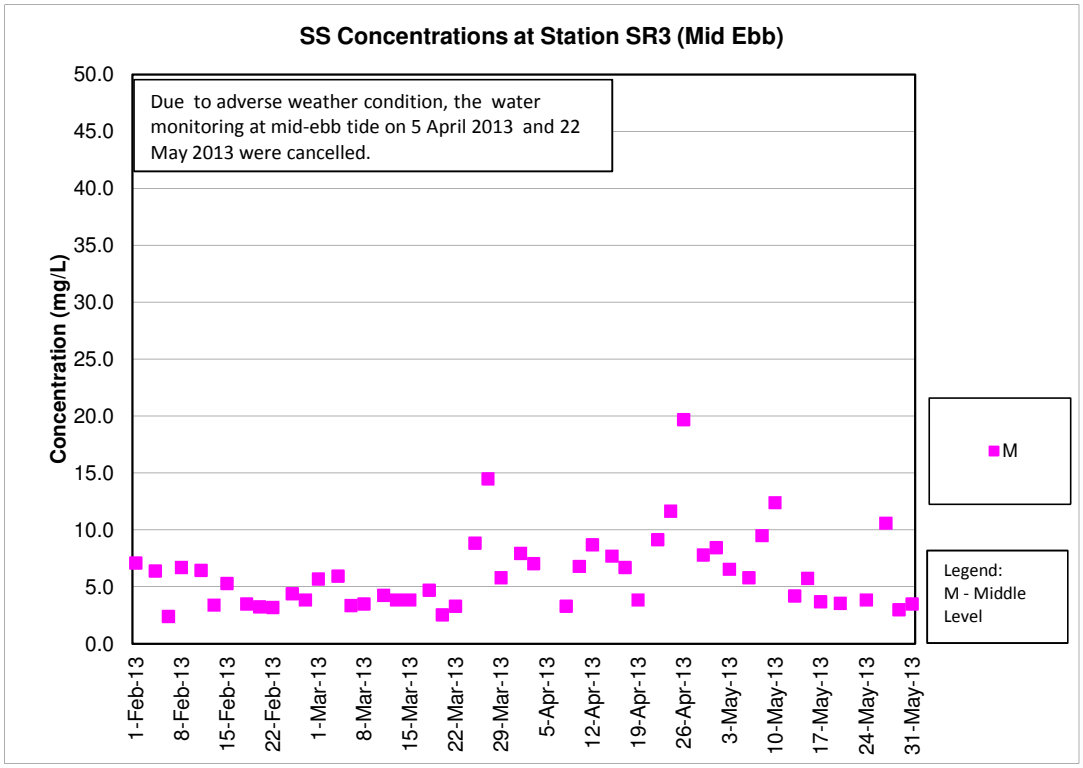

SS Concentrations at Station IS8 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S
B
Legend:
S - Surface Level
B - Bottom Level

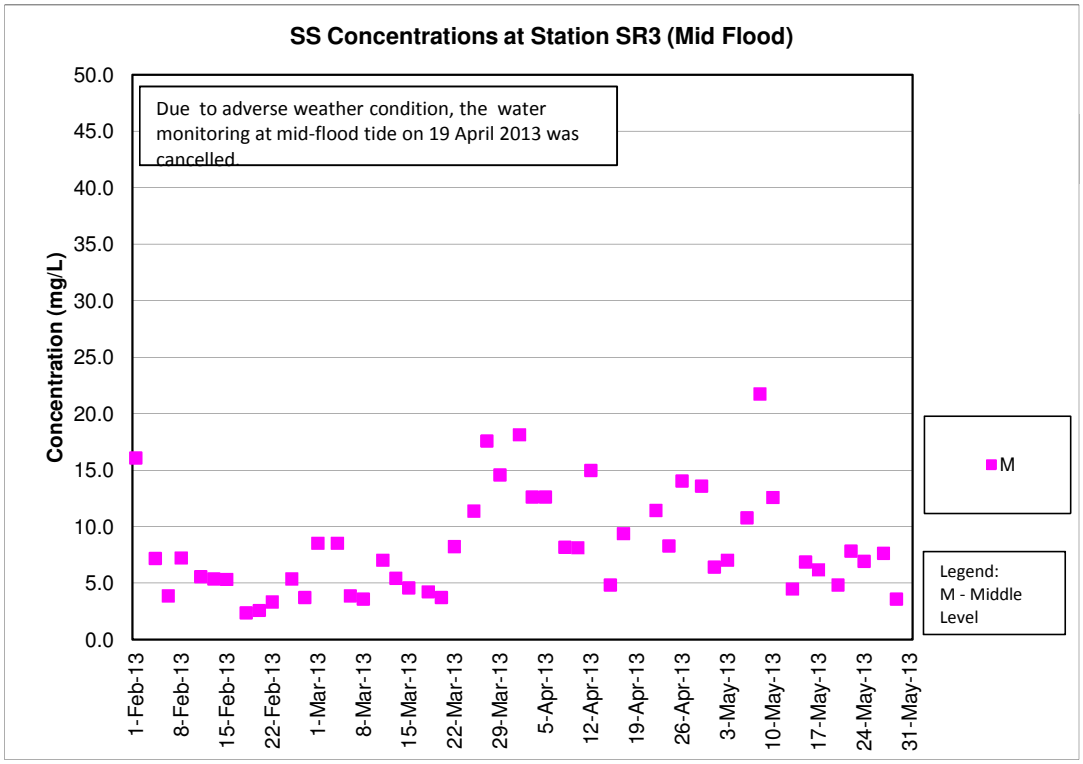

SS Concentrations at Station IS(Mf)9 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S
B
Legend:
S - Surface Level
B - Bottom Level

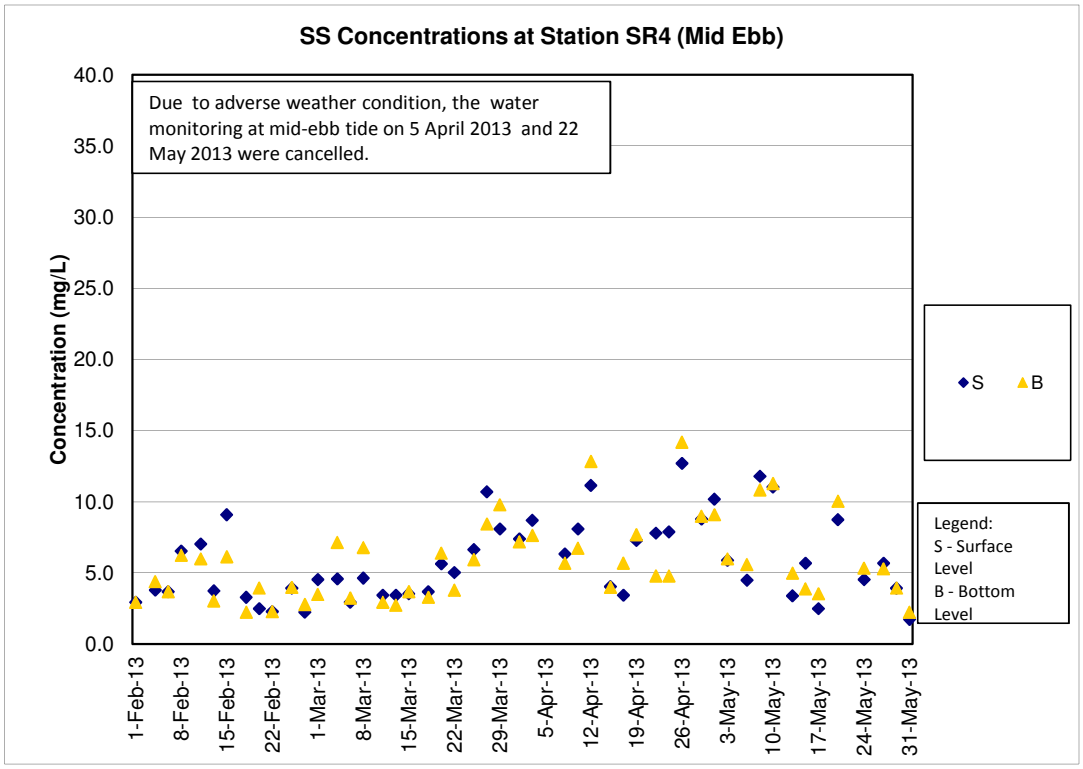

SS Concentrations at Station IS(Mf)9 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S
B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

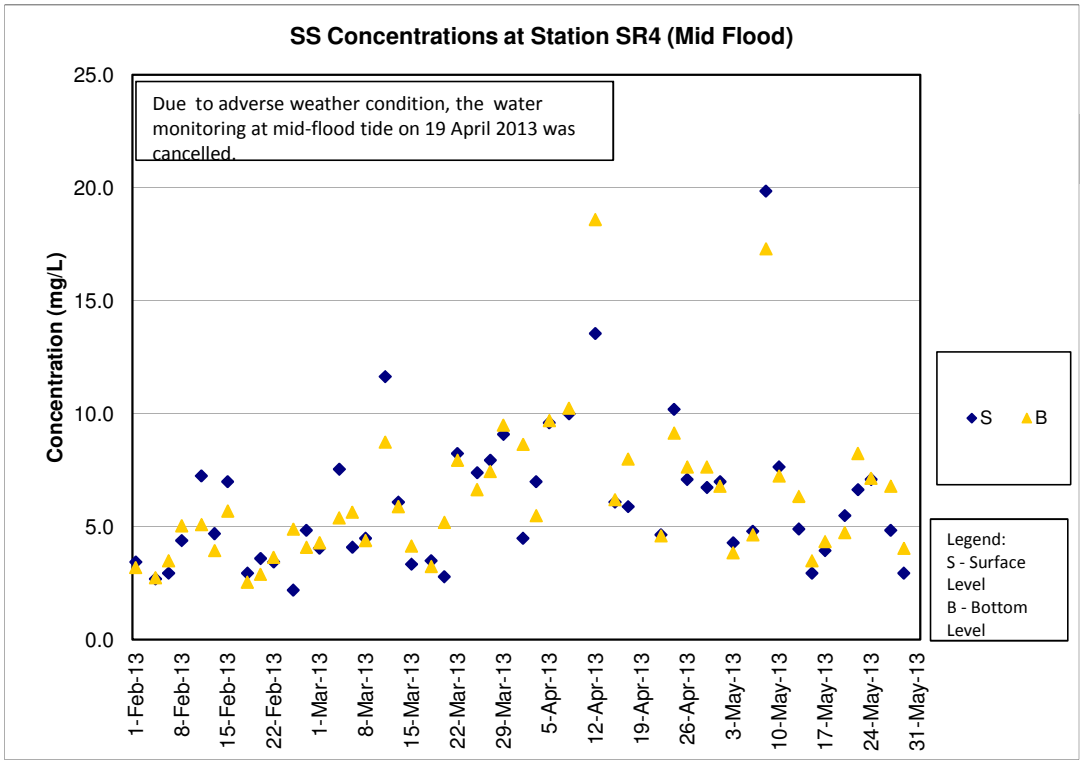

SS Concentrations at Station IS10 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

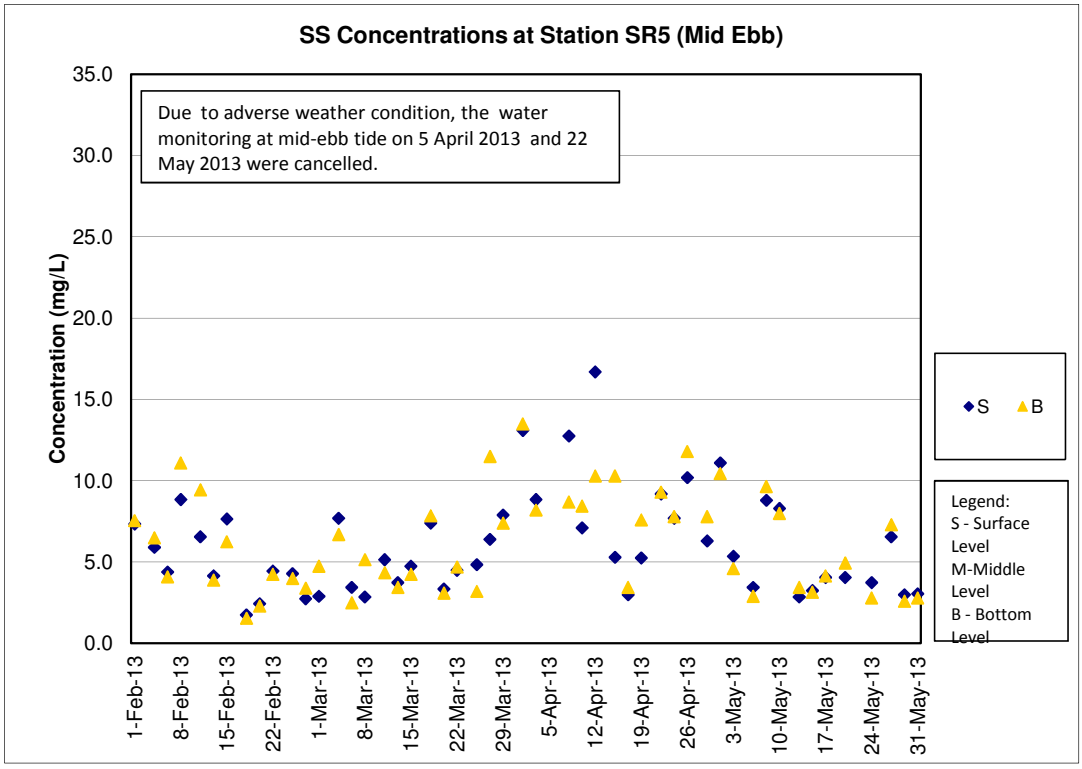

SS Concentrations at Station IS10 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
50.0
40.0
30.0
20.0
10.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

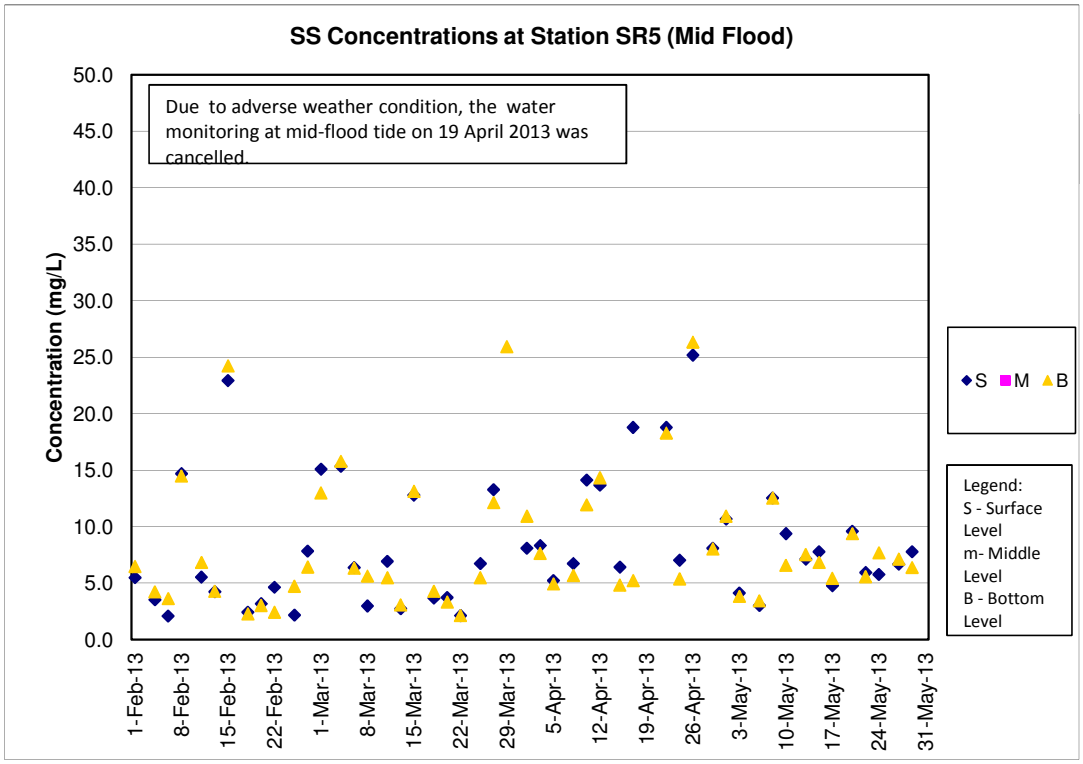

SS Concentrations at Station SR3 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
M
Legend:
M - Middle Level

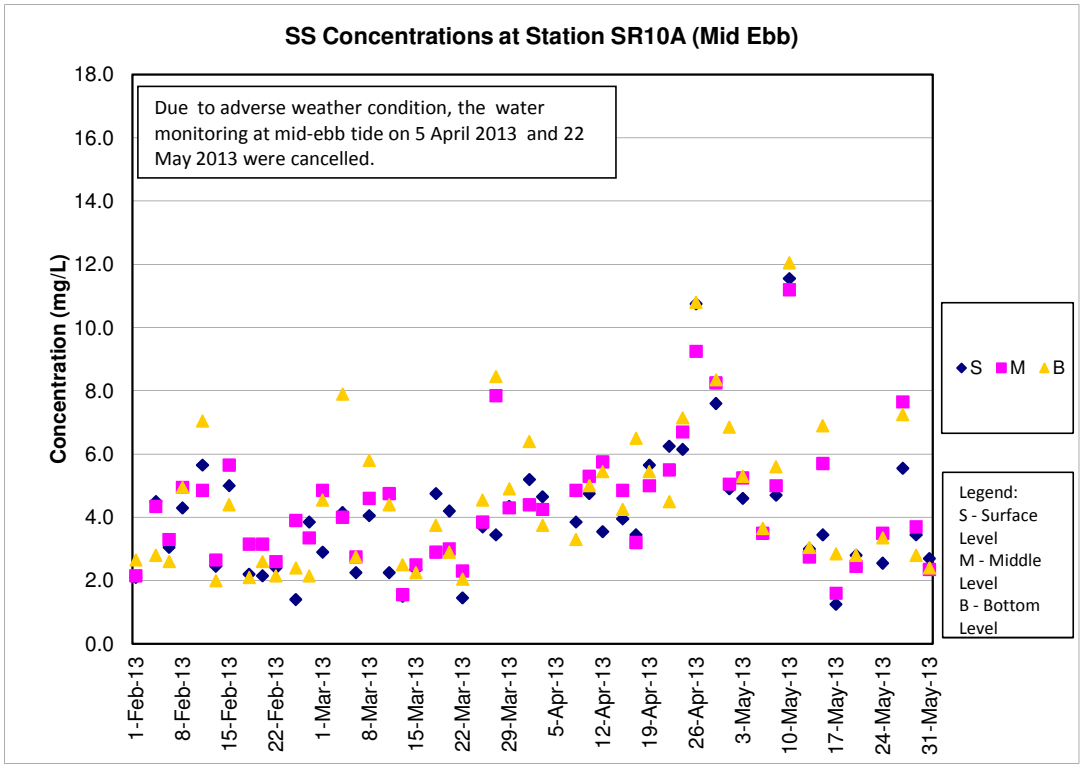

SS Concentrations at Station SR3 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
M
Legend:
M - Middle Level

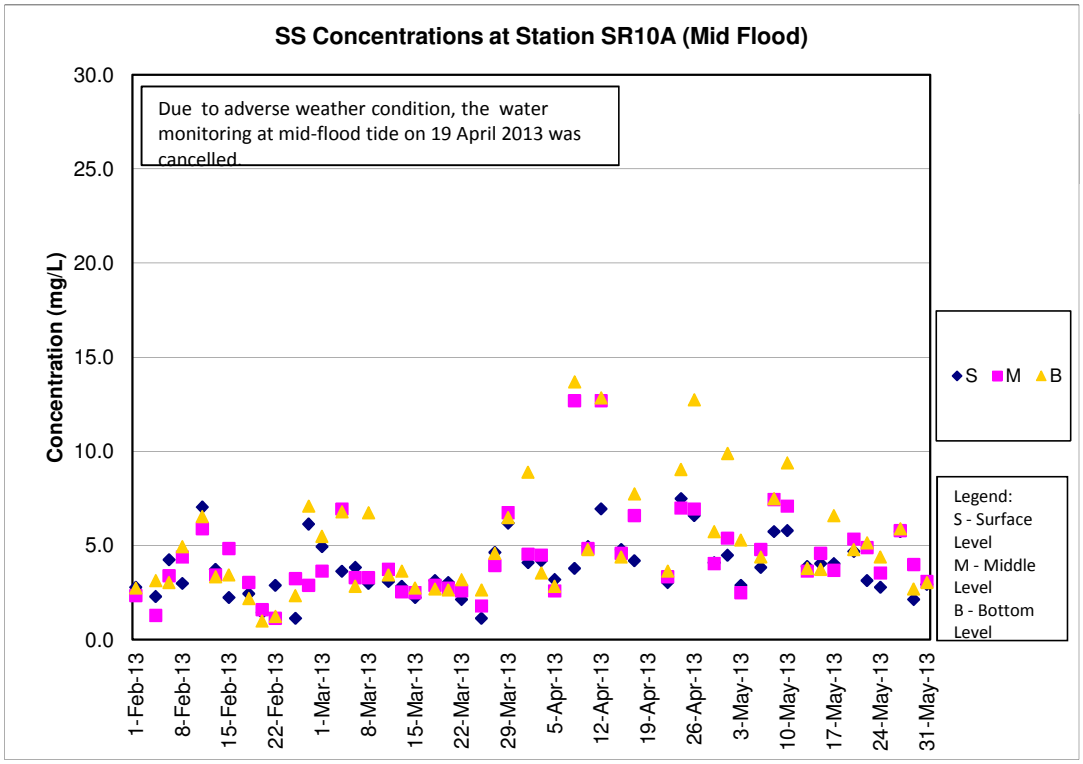

SS Concentrations at Station SR4 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S
B
Legend:
S - Surface Level
B - Bottom Level

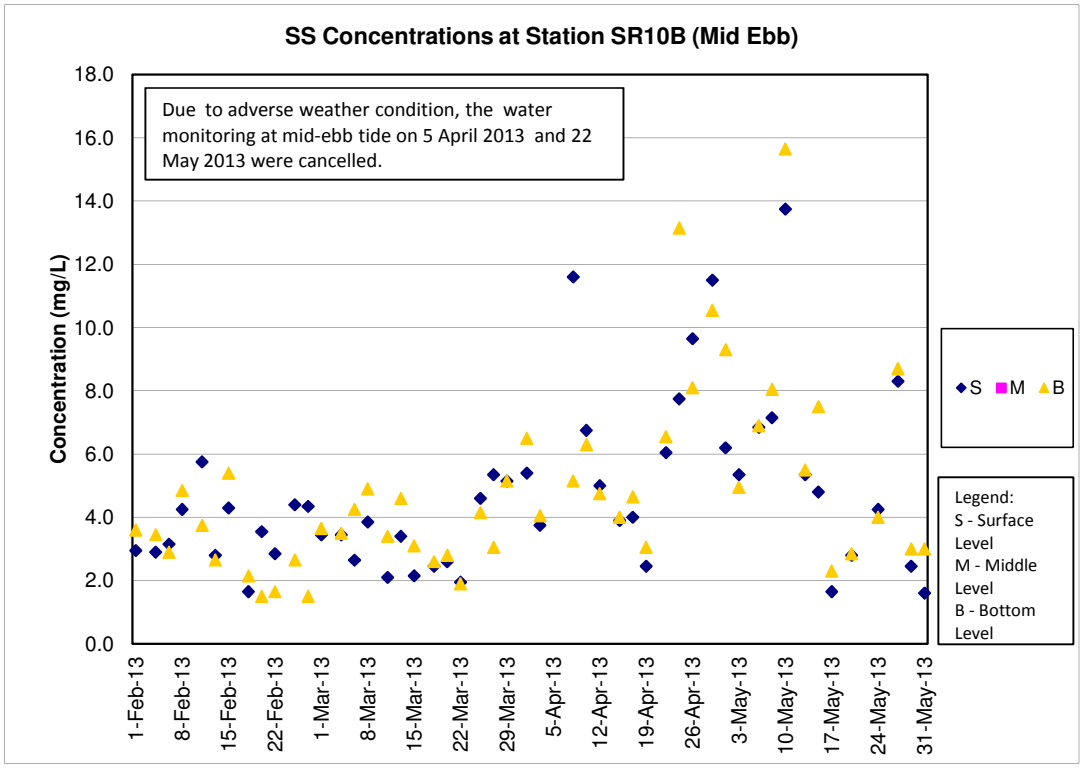

SS Concentrations at Station SR4 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S
B
Legend:
S - Surface Level
B - Bottom Level

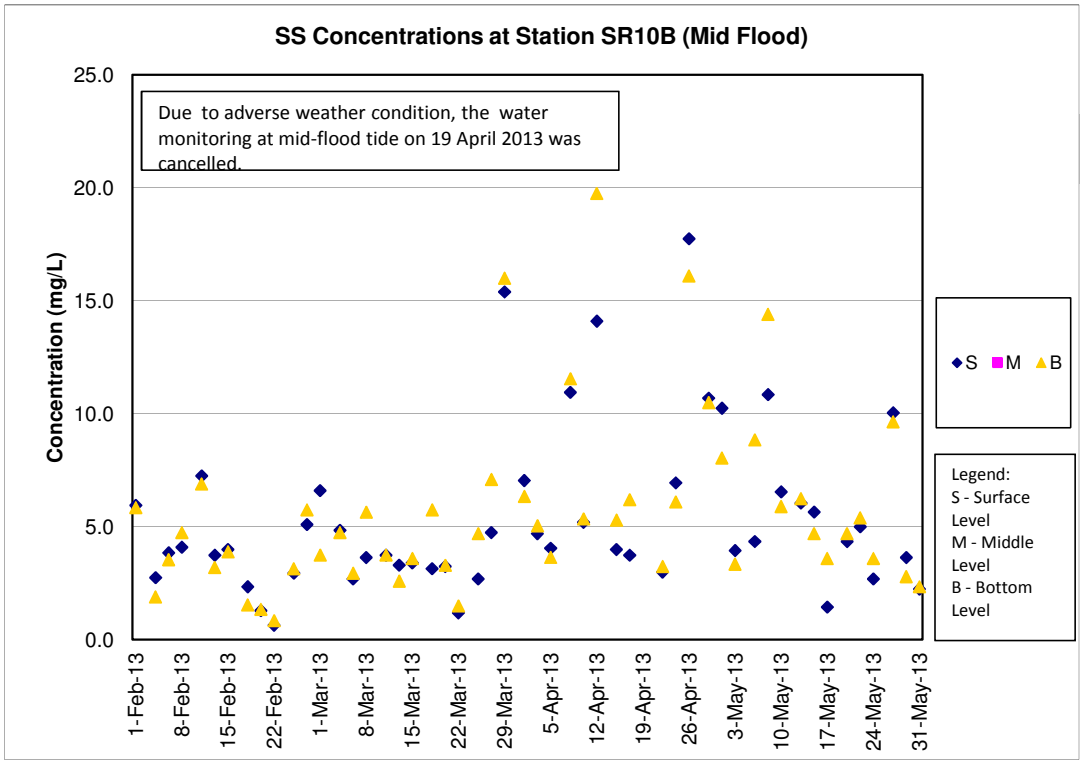

SS Concentrations at Station SR5 (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S
B
Legend:
S - Surface Level
M-Middle Level
B - Bottom Level


SS Concentrations at Station SR5 (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S
M
B
Legend:
S - Surface Level
m- Middle Level
B - Bottom Level


SS Concentrations at Station SR10A (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level


SS Concentrations at Station SR10A (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level


SS Concentrations at Station SR10B (Mid Ebb)
Due to adverse weather condition, the water monitoring at mid-ebb tide on 5 April 2013 and 22 May 2013 were cancelled.
Concentration (mg/L)
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level


SS Concentrations at Station SR10B (Mid Flood)
Due to adverse weather condition, the water monitoring at mid-flood tide on 19 April 2013 was cancelled.
Concentration (mg/L)
25.0
20.0
15.0
10.0
5.0
0.0
1-Feb-13
8-Feb-13
15-Feb-13
22-Feb-13
1-Mar-13
8-Mar-13
15-Mar-13
22-Mar-13
29-Mar-13
5-Apr-13
12-Apr-13
19-Apr-13
26-Apr-13
3-May-13
10-May-13
17-May-13
24-May-13
31-May-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

# APPENDIX J

Dolphin Monitoring Results

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

*Quarterly Progress Report (March – May 2013)*
*submitted to China State Construction Engineering (HK) Ltd.*

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

27 June 2013

## 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 third 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 March to May 2013.

## 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 2012). For each monitoring vessel survey, a 15-m inboard vessel (*Standard* 31516) 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 *Steiner* marine binoculars. Both observers searched the sea ahead of the vessel, between $270^{o}$ and $90^{o}$ (in relation to the bow, which is defined as $0^{o}$). 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. Two professional digital cameras (*Canon* EOS 7D and 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 (March-May 2013).

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

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

within the study area:

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

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

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

2.3.5. Ranging pattern analysis – Location data of individual dolphins that occurred during the 3-month 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.

## 3. Monitoring Results

*3.1. Summary of survey effort and dolphin sightings*

3.1.1. During the period of March to May 2013, 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 887.74 km of survey effort was collected, with 89.5% of the total survey effort being conducted under favourable weather conditions (i.e. Beaufort Sea State 3 or below with good visibility). Among the two areas, 340.62 km and 547.12 km of survey effort were conducted in NEL and NWL survey areas respectively. In addition, the total survey effort

conducted on primary lines was 660.79 km, while the effort on secondary lines was 226.95 km. Survey effort conducted on primary and secondary lines were both considered as on-effort survey data. Summary table of the survey effort is shown in Annex I.

3.1.3. During the six sets of monitoring surveys in March to May 2013, a total of 39 groups of 127 Chinese White Dolphins were sighted. All except two sightings were made during on-effort search. Thirty-two on-effort sightings were made on primary lines, while another five on-effort sightings were made on secondary lines. Among the two survey areas, only two groups of two dolphins were sighted in NEL, while the other 37 groups of 125 dolphins were sighted in NWL. Summary table of the dolphin sightings is shown in Annex II.

*3.2. Distribution*

3.2.1. Distribution of dolphin sightings made during monitoring surveys in March to May 2013 is shown in Figure 1. Most dolphins sightings were made in the northwest portion of North Lantau region, concentrating along the Urmston Road section between Black Point and Lung Kwu Chau. Other sightings were made around Sha Chau, between Pillar Point and the airport platform, as well as to the west of the airport platform. The two lone dolphins sighted in NEL were found near Tai Mo To and Yam O.

3.2.2. No dolphin was sighted in the vicinity of the HKLR03 reclamation site (Figure 1). The lone dolphin sighted near Tai Mo To was in the vicinity of the HKBCF reclamation site, but dolphins generally were absent from the surrounding waters of the reclamation area. On the other hand, a few dolphin sightings were made near the HKLR09 alignment to the west of the airport platform (Figure 1).

3.2.3. When compared with the sighting distribution of dolphins during baseline monitoring surveys in September to November 2011, dolphins very rarely occurred in NEL region during the present impact monitoring period, in contrast with their frequent occurrence around the Brothers Islands and HKBCF reclamation site during the baseline period (Figure 1). However, dolphin occurrence in the northwest portion of North Lantau region was similar between the two periods (Figure 1).

*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) from each of the survey areas 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 there Reporting Period (March – May 2013)

| **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 (6 & 11 Mar 2013) | 0.00 | 0.00 |
| | Set 2 (13 & 20 Mar 2013) | 2.53 | 2.53 |
| | Set 3 (2 & 3 Apr 2013) | 0.00 | 0.00 |
| | Set 4 (8 & 12 Apr 2013) | 0.00 | 0.00 |
| | Set 5 (8 & 13 May 2013) | 0.00 | 0.00 |
| | Set 6 (25 & 28 May 2013) | 0.00 | 0.00 |
| Northwest Lantau | Set 1 (6 & 11 Mar 2013) | 9.57 | 33.49 |
| | Set 2 (13 & 20 Mar 2013) | 13.82 | 49.76 |
| | Set 3 (2 & 3 Apr 2013) | 4.38 | 10.94 |
| | Set 4 (8 & 12 Apr 2013) | 4.16 | 5.54 |
| | Set 5 (8 & 13 May 2013) | 9.88 | 36.24 |
| | Set 6 (25 & 28 May 2013) | 4.69 | 9.39 |

Table 3. Comparison of average dolphin encounter rates from impact monitoring period (March – May 2013) and baseline monitoring period (September-November 2011) (Note: the encounter rates deduced from the baselie 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)

| | **Encounter rate (STG)** (no. of on-effort dolphin sightings per 100 km of survey effort) | | **Encounter rate (ANI)** (no. of dolphins from all on-effort sightings per 100 km of survey effort) | |
|---|---|---|---|---|
| | **March - May 2013** | **September - November 2011** | **March - May 2013** | **September - November 2011** |
| **Northeast Lantau** | 0.42 ± 1.03 | 6.00 ± 5.05 | 0.42 ± 1.03 | 22.19 ± 26.81 |
| **Northwest Lantau** | 7.75 ± 3.96 | 9.85 ± 5.85 | 24.23 ± 18.05 | 44.66 ± 29.85 |

3.3.2. In NEL, the average dolphin encounter rates (both STG and ANI) in the present three-month study period were close to nil, which was much lower than the

ones recorded in the 3-month baseline period (Table 3). It should be noted that dolphin occurrence in NEL was generally lower in spring months (March-May), and hence it is noteworthy to determine whether the recorded occurrence of dolphins in the habitat of NEL during this impact phase monitoring period was due to seasonal fluctuation. For example, the encounter rates deduced from the advance HZMB monitoring data in spring 2011 were 5.4 (STG) and 11.8 (ANI) respectively. By pooling both HZMB and AFCD monitoring data, the encounter rates in spring 2011 were 3.8 (STG) and 13.3 (ANI) respectively.

3.3.3. In NWL, the average dolphin encounter rates (STG and ANI) during the present impact phase monitoring period were also noticeably lower (reductions of 21% and 46% respectively) than the ones recorded in the 3-month baseline period, indicating a reduced dolphin usage of this survey area.

3.3.4. 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).

3.3.5. For the comparison between the baseline period and the present quarter (third quarter of the impact phase), the p-value for the differences in average dolphin encounter rates of STG and ANI were 0.0858 and 0.0931 respectively and therefore no significant difference is detected based on the alpha value of 0.05.

3.3.6. For the comparison between the baseline period and the cumulative quarters in impact phase (i.e. first three quarters of the impact phase), the p-value for the differences in average dolphin encounter rates of STG and ANI were 0.1336 and 0.0507 respectively, and therefore no significant difference is detected based on the alpha value of 0.05.

3.3.7. 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 7.27 sightings and 26.00 dolphins per 100 km of survey effort respectively, while the encounter rates of sightings (STG) and dolphins (ANI) in NEL were 0.59 sightings and 0.59 dolphins per 100 km of survey effort respectively.

*3.4. Group size*

3.4.1. Group size of Chinese White Dolphins ranged from 1-20 individuals per group

in North Lantau region during March to May 2013. The average dolphin group sizes from these three months were compared with the one deduced from the baseline period in September to November 2011, as shown in Table 4.

Table 4. Comparison of average dolphin group sizes from impact monitoring period (March-May 2013) and baseline monitoring period (September-November 2011)

| | **Average Dolphin Group Size** | |
|---|---|---|
| | **March to May 2013** | **September-November 2011** |
| **Overall** | 3.26 ± 3.89 (n = 39) | 3.72 ± 3.13 (n = 66) |
| **Northeast Lantau** | 1.00 ± 0.00 (n = 2) | 3.18 ± 2.16 (n = 17) |
| **Northwest Lantau** | 3.38 ± 3.96 (n = 37) | 3.92 ± 3.40 (n = 49) |

3.4.2. The average dolphin group sizes in the entire North Lantau region during March to May 2013 was slightly lower than the ones recorded in the 3-month baseline period (Table 3). Notably, the two sightings made in NEL during the present monitoring period were comprised of two lone dolphins, hence the average dolphin group size was much lower than the baseline period. On the other hand, the average dolphin group size in NWL during the present monitoring period was slightly lower than the baseline period (Table 3).

3.4.3. Distribution of dolphins with larger group sizes during March – May 2013 is shown in Figure 2. There were much fewer large dolphin groups recorded (four groups with more than 10 animals and one group with more than 5 animals) during the present monitoring period when compared with the baseline period (two groups with more than 10 animals and 16 groups with more than 5 animals). These five large dolphin groups were scattered within and around the Sha Chau and Lung Kwu Chau Marine Park (Figure 2).

*3.5. Habitat use*

3.5.1. From March-May 2013, the most heavily utilized habitats by Chinese White Dolphins mainly concentrated along the Urmston Road section between Lung Kwu Chau and Black Point as well as around Sha Chau (Figures 3a and 3b). Only two grids in NEL recorded the presence of dolphins in very low density based on two sightings of two lone dolphins. None of the grid around HKLR03 or HKBCF work site recorded the presence of dolphins.

3.5.2. It should be noted that the amount of survey effort collected in each grid during the three-month period was still 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, the usage of NEL was significantly less as well as overall number of grids with presence of dolphins were much fewer during the present impact monitoring period (Figure 4). Moreover, dolphins were generally absent from the habitat around the Brothers and near Shum Shui Kok in NEL that was identified during the baseline period. From the same comparison between the two quarterly periods, it appears that dolphins have been less found in the construction sites of HKLR03 in the present monitoring period (Figure 4) and it should be noted that construction site of HKLR03 situates in waters which has rarely been used by dolphins in the past. Hence there is no evidence showing that the sources of impact were directly related to the construction works of HKLR03 that may have affected the dolphins usage in the NEL region.

*3.6. Mother-calf pairs*

3.6.1. During the three-month study period, a total of six unspotted juveniles (UJ) were sighted in NEL and NWL survey areas, while no unspotted calves (UC) were sighted. These young calves comprised 4.7% of all animals sighted, which was lower than the percentage recorded during the baseline monitoring period (6.8%).

3.6.2. These young calves mainly occurred within and around the Sha Chau and Lung Kwu Chau Marine Park (Figure 5). Notably, no young calves were found in the vicinity of HZMB-related construction sites.

*3.7. Activities and associations with fishing boats*

3.7.1. A total of four dolphin sightings were associated with feeding and socializing activities during the three-month study period, comprising of 7.7% and 2.6% of the total number of dolphin sightings. Both percentages were lower than the percentages recorded during the baseline period (feeding activity: 11.6%; socializing activity: 5.4%). Only one group of dolphins was engaged in traveling activity.

3.7.2. Distribution of dolphins engaged in different activities during the three-month study period is shown in Figure 6. Most of the feeding and socializing activities occurred within and around the Sha Chau and Lung Kwu Chau Marine Park. Moreover, one group of ten dolphins was engaged in traveling activity to the west of Sha Chau close to the Hong Kong-Guangdong border.

All these activities were far away from the HZMB-related construction works.

3.7.3. During the three-month period, only one dolphin group were found to be associated with an operating purse-seiner, comprising of 2.6% of all dolphin groups, which was much lower than the percentage recorded in baseline period (5.4%). The low percentage of fishing boat association was likely related to the recent trawl ban being implemented in 2013 in Hong Kong waters.

*3.8. Summary of photo-identification works*

3.8.1. From March to May 2013, 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, 34 individuals sighted 58 times altogether were identified (see summary table in Annex III and photographs of identified individuals in Annex IV). Only one of these 58 re-sightings were made in NEL, which involved the individual NL18 that was also the most frequently sighted individuals in NEL during previous months of HKLR03 monitoring works. On the contrary, a number of year-round residents that occurred in NEL regularly before (e.g. EL01, NL123, NL285, NL179) have disappeared from this survey area during the present monitoring period.

3.8.3. Most identified individuals were sighted only once or twice during the three-month period, with the exception of two individuals being sighted thrice (NL93, NL244) and three individuals being sighted four times (NL104, NL202 and NL286).

3.8.4. Five well-recognized females, including NL33, NL46, NL93, NL104 and NL202, were accompanied with their calves during their re-sightings. These mother-calf pairs were frequently seen throughout the HKLR03 impact phase monitoring period.

*3.9. Individual range use*

3.9.1. Ranging patterns of the 34 individuals identified during the three-month study period were determined by fixed kernel method, and are shown in Annex V.

3.9.2. Only one individual (NL18) was sighted in the NEL survey area while other

individuals were mostly found in the NWL survey area during this quarterly period. In contrast to the extensive movements between NEL and NWL survey areas in previous two impact monitoring periods and the baseline period, most identified individuals have avoided NEL during March-May 2013, even though they were frequently sighted there before and their core areas were centered around the Brothers Islands (i.e. NL24, NL33, NL261) (Annex V).

3.9.3. Moreover, a number of year-round residents that used to utilize the Brothers Islands as their core areas have not been seen there during the past two quarters. This apparent shift in range use of many individual dolphins should be continuously monitored in the upcoming quarterly periods to determine whether this is related to the disturbance associated with the HZMB-related construction activities.

3.9.4. It should be noted that a number of individuals that focused their activities in West Lantau waters in the past were also sighted in NWL (e.g. WL44, WL46, WL50, WL98) (Annex V). The movement of these individuals between North and West Lantau waters should be continuously monitored to determine whether their range use will be affected by the HKLR09 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, as the dolphin occurrence in the HKLR03 work sites remained rare as in the baseline period.

4.2. Although the occurrence of Chinese white dolphins in NEL were much lower in the present three-month study period than the ones in the three-month baseline monitoring period, the dolphins do not appear to be affected by the HKLR03 reclamation works, as they rarely occurred in this area in the past (see Hung 2012) and during the baseline monitoring period.

4.3. Nevertheless, dolphin usage in North Lantau region should be continuously monitored, as there are indications that their occurrence in NEL has been affected by the various construction activities in relation to the HZMB works.

## 5. References

Buckland, S. T., Anderson, D. R., Burnham, K. P., Laake, J. L., Borchers, D. L., and Thomas, L. 2001. Introduction to distance sampling: estimating abundance of biological populations. Oxford University Press, London.

Hung, S. K. 2012. Monitoring of marine mammals in Hong Kong waters – data collection: final report (2011-12). An unpublished report submitted to the Agriculture, Fisheries and Conservation Department of Hong Kong SAR Government, 120 pp.

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.

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

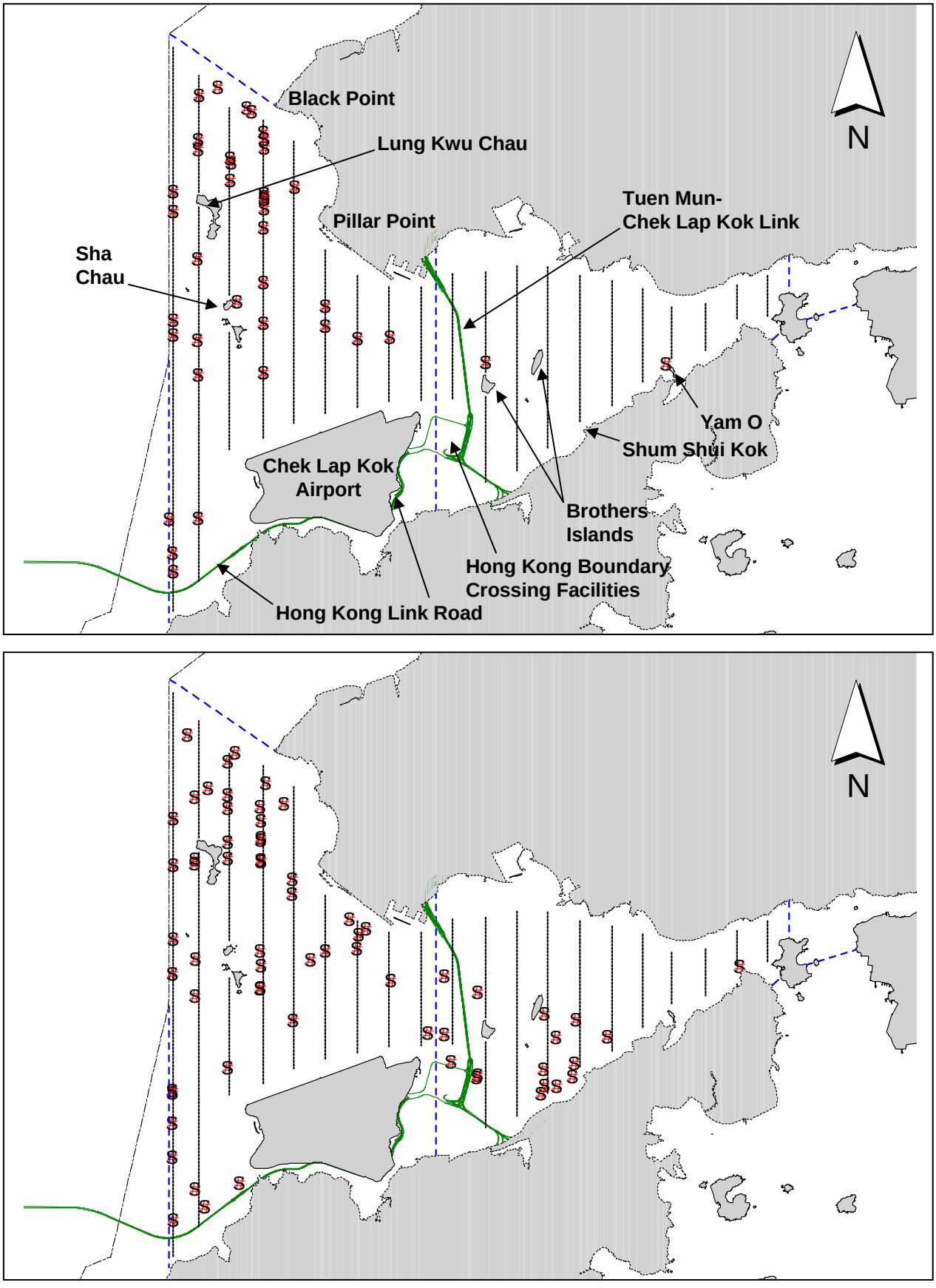



Figure 1. Distribution of Chinese white dolphin sighting in Northwest and Northeast Lantau during HKLR03 impact phase (top: March-May 2013) and baseline monitoring surveys (below: September-November 2011)

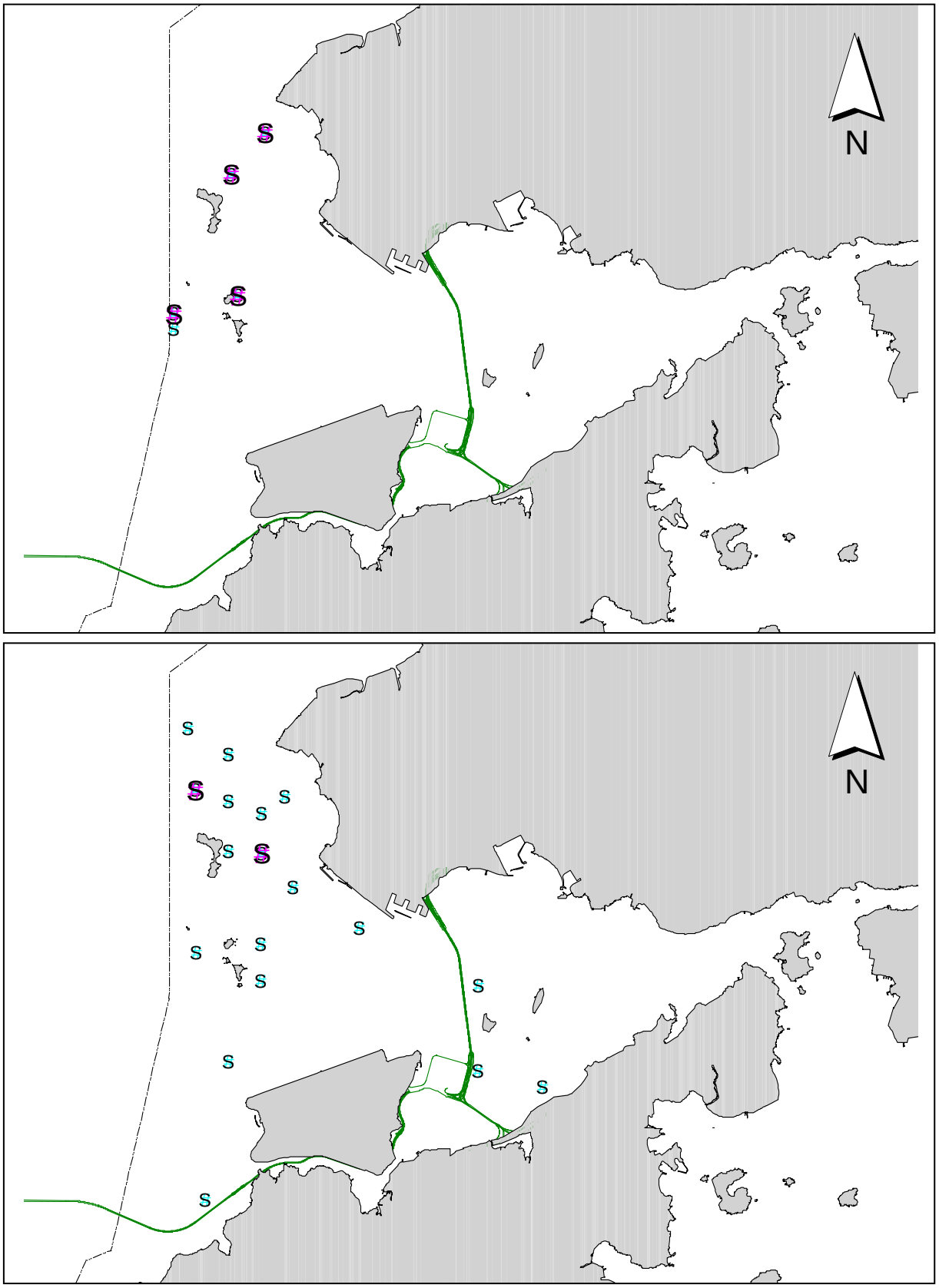



Figure 2. Distribution of Chinese white dolphins with larger group sizes during HKLR03 impact phase (top: March-May 2013) and baseline monitoring surveys (below: September-November 2011) (blue dots: group sizes of 5 or more; purple dots: group sizes of 10 or more)

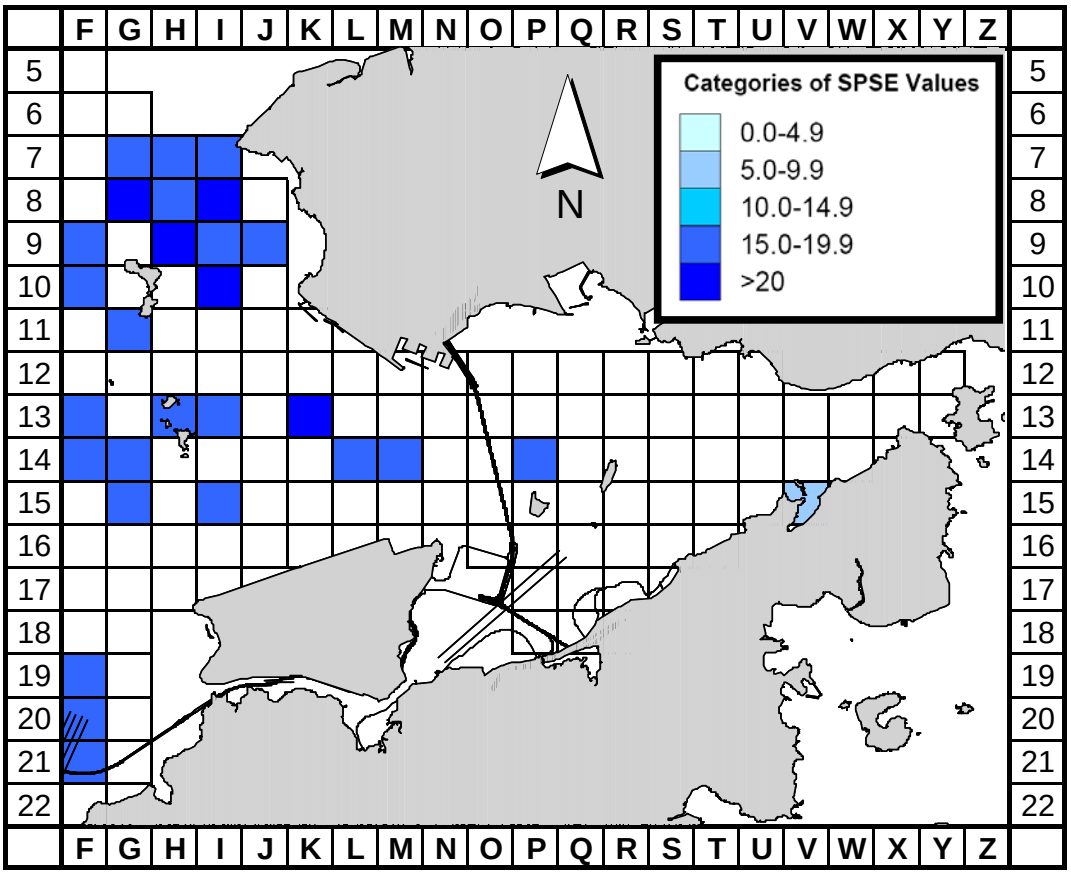



Figure 3a. Sighting density of Chinese white dolphins with corrected survey effort per km$^2$ in Northeast and Northwest Lantau survey areas, using data collected during HKLR03 impact monitoring period monitoring period (Mar-May 13) (SPSE = no. of on-effort sightings per 100 units of survey effort)

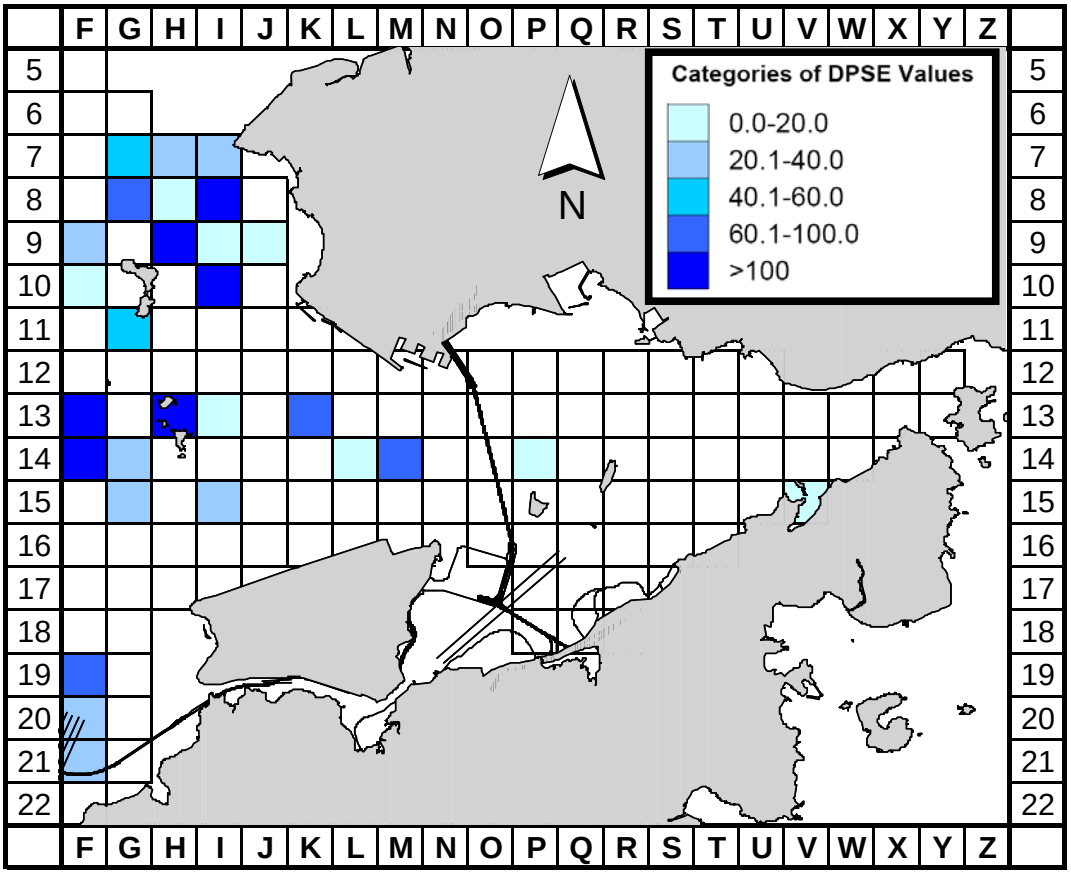



Figure 3b. Density of Chinese white dolphins with corrected survey effort per km$^2$ in Northeast and Northwest Lantau survey areas, using data collected during HKLR03 impact monitoring period (Mar-May 13) (DPSE = no. of dolphins per 100 units of survey effort)

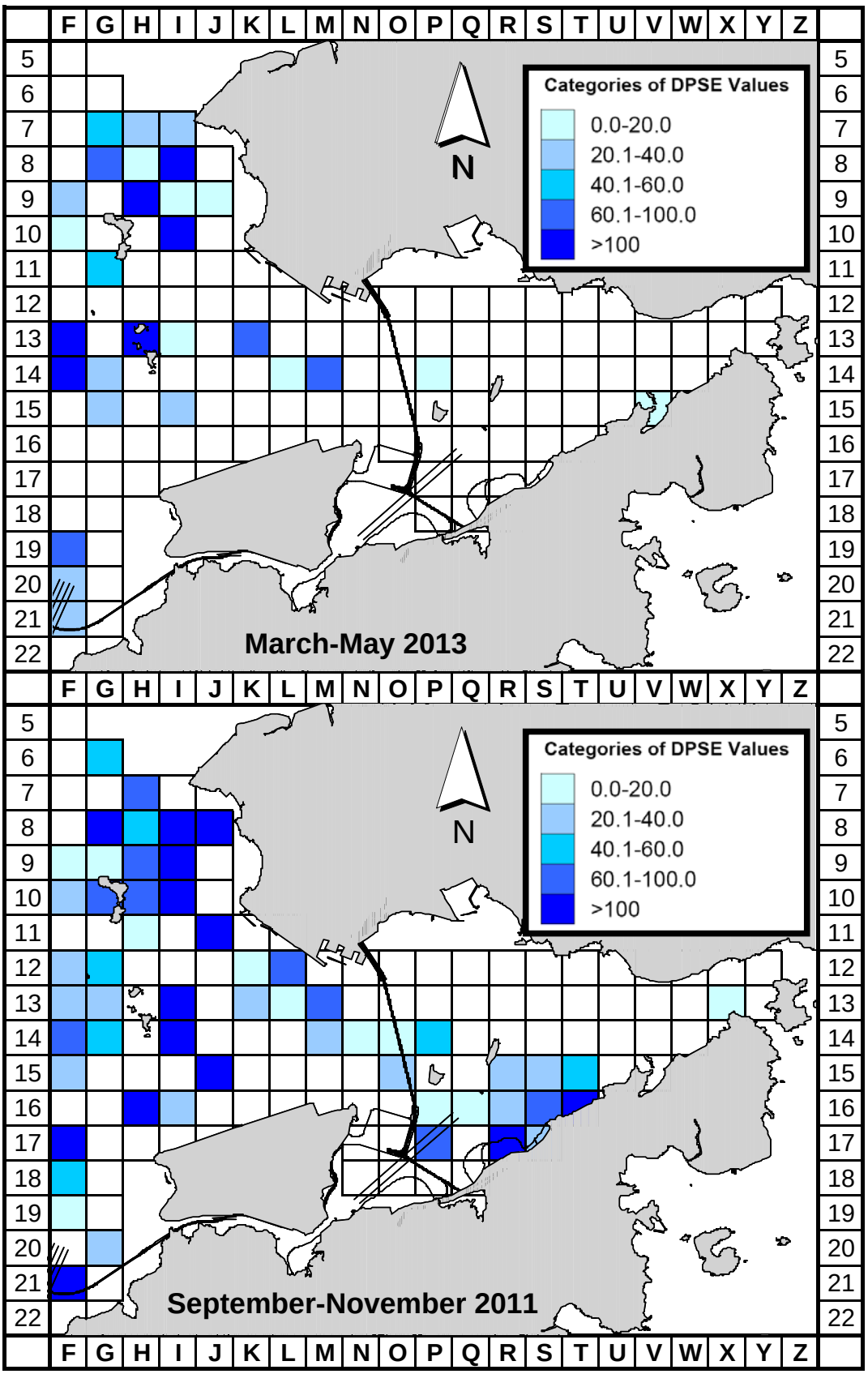



Figure 4. Comparison of density of Chinese white dolphins with corrected survey effort per $km^2$ in Northwest and Northeast Lantau survey area between the impact monitoring period (March-May 2013) and baseline monitoring period (September-November 2011)
(DPSE = no. of dolphins per 100 units of survey effort)

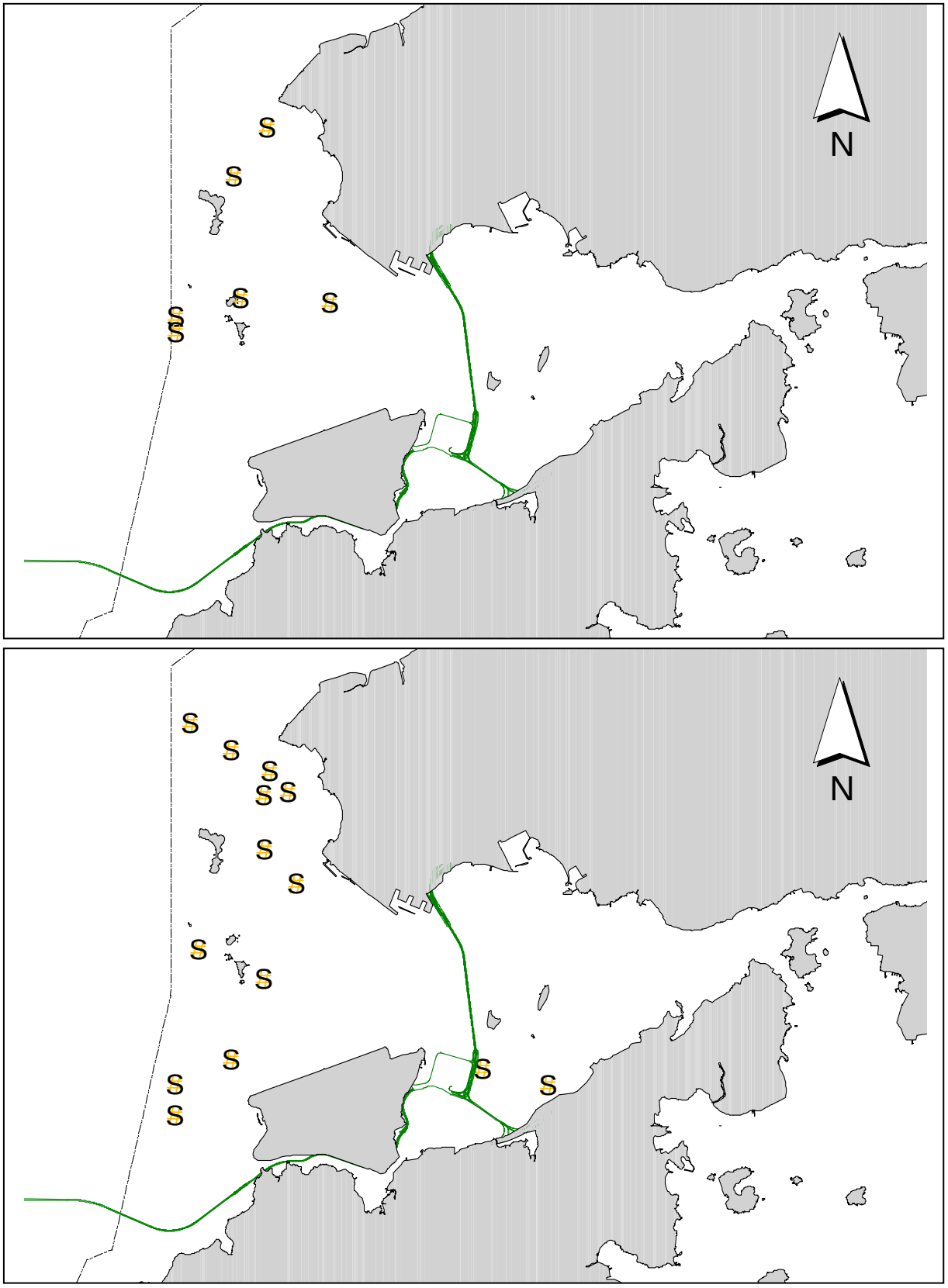



Figure 5. Distribution of young calves of Chinese white dolphins during HKLR03 impact phase (top: March-May 2013) and baseline monitoring surveys (below: September-November 2011)

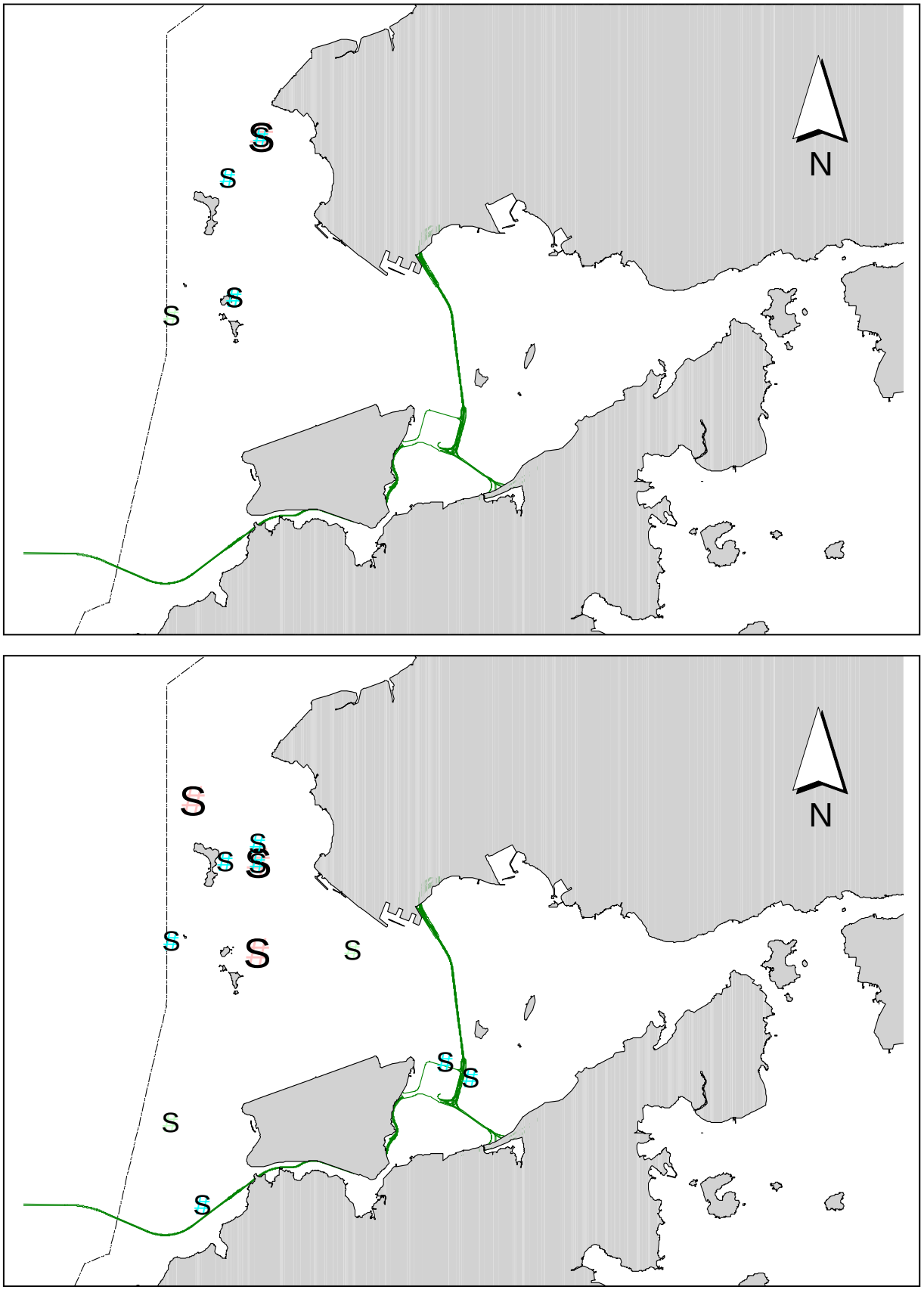



Figure 6. Distribution of Chinese white dolphins engaged in feeding (blue dots), socializing (pink dots) and traveling (green dots) activities during HKLR03 impact phase (top: March-May 2013) and baseline monitoring surveys (below: September-November 2011)

## Annex I. HKLR03 Survey Effort Database (March-May 2013)

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

| DATE | AREA | BEAU | EFFORT | SEASON | VESSEL | TYPE | P/S |
|---|---|---|---|---|---|---|---|
| 6-Mar-13 | NE LANTAU | 1 | 1.3 | SPRING | STANDARD31516 | HKLR | P |
| 6-Mar-13 | NE LANTAU | 2 | 11.1 | SPRING | STANDARD31516 | HKLR | P |
| 6-Mar-13 | NE LANTAU | 3 | 5.5 | SPRING | STANDARD31516 | HKLR | P |
| 6-Mar-13 | NE LANTAU | 1 | 2.1 | SPRING | STANDARD31516 | HKLR | S |
| 6-Mar-13 | NE LANTAU | 2 | 5.11 | SPRING | STANDARD31516 | HKLR | S |
| 6-Mar-13 | NE LANTAU | 3 | 2.4 | SPRING | STANDARD31516 | HKLR | S |
| 6-Mar-13 | NW LANTAU | 0 | 2.81 | SPRING | STANDARD31516 | HKLR | P |
| 6-Mar-13 | NW LANTAU | 1 | 7.37 | SPRING | STANDARD31516 | HKLR | P |
| 6-Mar-13 | NW LANTAU | 2 | 14.99 | SPRING | STANDARD31516 | HKLR | P |
| 6-Mar-13 | NW LANTAU | 3 | 14.56 | SPRING | STANDARD31516 | HKLR | P |
| 6-Mar-13 | NW LANTAU | 1 | 1.7 | SPRING | STANDARD31516 | HKLR | S |
| 6-Mar-13 | NW LANTAU | 2 | 3.6 | SPRING | STANDARD31516 | HKLR | S |
| 6-Mar-13 | NW LANTAU | 3 | 6.7 | SPRING | STANDARD31516 | HKLR | S |
| 11-Mar-13 | NE LANTAU | 2 | 6.6 | SPRING | STANDARD31516 | HKLR | P |
| 11-Mar-13 | NE LANTAU | 3 | 13.7 | SPRING | STANDARD31516 | HKLR | P |
| 11-Mar-13 | NE LANTAU | 1 | 1.3 | SPRING | STANDARD31516 | HKLR | S |
| 11-Mar-13 | NE LANTAU | 2 | 4.9 | SPRING | STANDARD31516 | HKLR | S |
| 11-Mar-13 | NE LANTAU | 3 | 4.4 | SPRING | STANDARD31516 | HKLR | S |
| 11-Mar-13 | NW LANTAU | 2 | 4.1 | SPRING | STANDARD31516 | HKLR | P |
| 11-Mar-13 | NW LANTAU | 3 | 18.9 | SPRING | STANDARD31516 | HKLR | P |
| 11-Mar-13 | NW LANTAU | 4 | 8.95 | SPRING | STANDARD31516 | HKLR | P |
| 11-Mar-13 | NW LANTAU | 2 | 2.56 | SPRING | STANDARD31516 | HKLR | S |
| 11-Mar-13 | NW LANTAU | 3 | 5.31 | SPRING | STANDARD31516 | HKLR | S |
| 13-Mar-13 | NW LANTAU | 0 | 3.41 | SPRING | STANDARD31516 | HKLR | P |
| 13-Mar-13 | NW LANTAU | 1 | 32.24 | SPRING | STANDARD31516 | HKLR | P |
| 13-Mar-13 | NW LANTAU | 2 | 4.38 | SPRING | STANDARD31516 | HKLR | P |
| 13-Mar-13 | NW LANTAU | 0 | 2.01 | SPRING | STANDARD31516 | HKLR | S |
| 13-Mar-13 | NW LANTAU | 1 | 5.83 | SPRING | STANDARD31516 | HKLR | S |
| 13-Mar-13 | NW LANTAU | 2 | 4.28 | SPRING | STANDARD31516 | HKLR | S |
| 13-Mar-13 | NE LANTAU | 0 | 1.19 | SPRING | STANDARD31516 | HKLR | P |
| 13-Mar-13 | NE LANTAU | 1 | 7.4 | SPRING | STANDARD31516 | HKLR | P |
| 13-Mar-13 | NE LANTAU | 2 | 6.9 | SPRING | STANDARD31516 | HKLR | P |
| 13-Mar-13 | NE LANTAU | 3 | 3.8 | SPRING | STANDARD31516 | HKLR | P |
| 13-Mar-13 | NE LANTAU | 1 | 2.2 | SPRING | STANDARD31516 | HKLR | S |
| 13-Mar-13 | NE LANTAU | 2 | 6.4 | SPRING | STANDARD31516 | HKLR | S |
| 20-Mar-13 | NE LANTAU | 1 | 13.7 | SPRING | STANDARD31516 | HKLR | P |
| 20-Mar-13 | NE LANTAU | 2 | 6.6 | SPRING | STANDARD31516 | HKLR | P |
| 20-Mar-13 | NE LANTAU | 1 | 8.7 | SPRING | STANDARD31516 | HKLR | S |
| 20-Mar-13 | NE LANTAU | 2 | 2 | SPRING | STANDARD31516 | HKLR | S |
| 20-Mar-13 | NW LANTAU | 1 | 1.2 | SPRING | STANDARD31516 | HKLR | P |
| 20-Mar-13 | NW LANTAU | 2 | 25.7 | SPRING | STANDARD31516 | HKLR | P |
| 20-Mar-13 | NW LANTAU | 3 | 5.4 | SPRING | STANDARD31516 | HKLR | P |
| 20-Mar-13 | NW LANTAU | 1 | 2.4 | SPRING | STANDARD31516 | HKLR | S |
| 20-Mar-13 | NW LANTAU | 2 | 4.7 | SPRING | STANDARD31516 | HKLR | S |
| 2-Apr-13 | NE LANTAU | 0 | 2.1 | SPRING | STANDARD31516 | HKLR | P |
| 2-Apr-13 | NE LANTAU | 1 | 9.4 | SPRING | STANDARD31516 | HKLR | P |
| 2-Apr-13 | NE LANTAU | 2 | 13.9 | SPRING | STANDARD31516 | HKLR | P |
| 2-Apr-13 | NE LANTAU | 1 | 3.2 | SPRING | STANDARD31516 | HKLR | S |
| 2-Apr-13 | NE LANTAU | 2 | 6.3 | SPRING | STANDARD31516 | HKLR | S |
| 2-Apr-13 | NW LANTAU | 2 | 20.2 | SPRING | STANDARD31516 | HKLR | P |
| 2-Apr-13 | NW LANTAU | 3 | 14.3 | SPRING | STANDARD31516 | HKLR | P |

## Annex I. (cont'd)

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

| DATE | AREA | BEAU | EFFORT | SEASON | VESSEL | TYPE | P/S |
|---|---|---|---|---|---|---|---|
| 2-Apr-13 | NW LANTAU | 4 | 0.7 | SPRING | STANDARD31516 | HKLR | P |
| 2-Apr-13 | NW LANTAU | 2 | 5.3 | SPRING | STANDARD31516 | HKLR | S |
| 2-Apr-13 | NW LANTAU | 3 | 2.5 | SPRING | STANDARD31516 | HKLR | S |
| 3-Apr-13 | NW LANTAU | 2 | 2.8 | SPRING | STANDARD31516 | HKLR | P |
| 3-Apr-13 | NW LANTAU | 3 | 8.4 | SPRING | STANDARD31516 | HKLR | P |
| 3-Apr-13 | NW LANTAU | 4 | 17.97 | SPRING | STANDARD31516 | HKLR | P |
| 3-Apr-13 | NW LANTAU | 5 | 8.23 | SPRING | STANDARD31516 | HKLR | P |
| 3-Apr-13 | NW LANTAU | 2 | 2.4 | SPRING | STANDARD31516 | HKLR | S |
| 3-Apr-13 | NW LANTAU | 3 | 4.9 | SPRING | STANDARD31516 | HKLR | S |
| 3-Apr-13 | NW LANTAU | 4 | 2.7 | SPRING | STANDARD31516 | HKLR | S |
| 3-Apr-13 | NW LANTAU | 5 | 1 | SPRING | STANDARD31516 | HKLR | S |
| 3-Apr-13 | NE LANTAU | 2 | 5.1 | SPRING | STANDARD31516 | HKLR | P |
| 3-Apr-13 | NE LANTAU | 3 | 6.8 | SPRING | STANDARD31516 | HKLR | P |
| 3-Apr-13 | NE LANTAU | 2 | 2.1 | SPRING | STANDARD31516 | HKLR | S |
| 3-Apr-13 | NE LANTAU | 3 | 3.1 | SPRING | STANDARD31516 | HKLR | S |
| 8-Apr-13 | NE LANTAU | 1 | 7.8 | SPRING | STANDARD31516 | HKLR | P |
| 8-Apr-13 | NE LANTAU | 2 | 9.93 | SPRING | STANDARD31516 | HKLR | P |
| 8-Apr-13 | NE LANTAU | 1 | 5.5 | SPRING | STANDARD31516 | HKLR | S |
| 8-Apr-13 | NE LANTAU | 2 | 4.47 | SPRING | STANDARD31516 | HKLR | S |
| 8-Apr-13 | NW LANTAU | 1 | 11.15 | SPRING | STANDARD31516 | HKLR | P |
| 8-Apr-13 | NW LANTAU | 2 | 24.7 | SPRING | STANDARD31516 | HKLR | P |
| 8-Apr-13 | NW LANTAU | 3 | 5 | SPRING | STANDARD31516 | HKLR | P |
| 8-Apr-13 | NW LANTAU | 0 | 1.8 | SPRING | STANDARD31516 | HKLR | S |
| 8-Apr-13 | NW LANTAU | 1 | 3 | SPRING | STANDARD31516 | HKLR | S |
| 8-Apr-13 | NW LANTAU | 2 | 4.6 | SPRING | STANDARD31516 | HKLR | S |
| 12-Apr-13 | NW LANTAU | 1 | 1.9 | SPRING | STANDARD31516 | HKLR | P |
| 12-Apr-13 | NW LANTAU | 2 | 20 | SPRING | STANDARD31516 | HKLR | P |
| 12-Apr-13 | NW LANTAU | 3 | 9.4 | SPRING | STANDARD31516 | HKLR | P |
| 12-Apr-13 | NW LANTAU | 1 | 3.7 | SPRING | STANDARD31516 | HKLR | S |
| 12-Apr-13 | NW LANTAU | 2 | 1.1 | SPRING | STANDARD31516 | HKLR | S |
| 12-Apr-13 | NW LANTAU | 3 | 1.9 | SPRING | STANDARD31516 | HKLR | S |
| 12-Apr-13 | NE LANTAU | 1 | 9.4 | SPRING | STANDARD31516 | HKLR | P |
| 12-Apr-13 | NE LANTAU | 2 | 10.4 | SPRING | STANDARD31516 | HKLR | P |
| 12-Apr-13 | NE LANTAU | 2 | 10.7 | SPRING | STANDARD31516 | HKLR | S |
| 8-May-13 | NE LANTAU | 2 | 3.52 | SPRING | STANDARD31516 | HKLR | P |
| 8-May-13 | NE LANTAU | 3 | 13.45 | SPRING | STANDARD31516 | HKLR | P |
| 8-May-13 | NE LANTAU | 4 | 0.6 | SPRING | STANDARD31516 | HKLR | P |
| 8-May-13 | NE LANTAU | 2 | 4.23 | SPRING | STANDARD31516 | HKLR | S |
| 8-May-13 | NE LANTAU | 3 | 5.6 | SPRING | STANDARD31516 | HKLR | S |
| 8-May-13 | NW LANTAU | 2 | 7.1 | SPRING | STANDARD31516 | HKLR | P |
| 8-May-13 | NW LANTAU | 3 | 22.06 | SPRING | STANDARD31516 | HKLR | P |
| 8-May-13 | NW LANTAU | 4 | 10.98 | SPRING | STANDARD31516 | HKLR | P |
| 8-May-13 | NW LANTAU | 2 | 2.9 | SPRING | STANDARD31516 | HKLR | S |
| 8-May-13 | NW LANTAU | 3 | 7.07 | SPRING | STANDARD31516 | HKLR | S |
| 8-May-13 | NW LANTAU | 4 | 3.19 | SPRING | STANDARD31516 | HKLR | S |
| 13-May-13 | NW LANTAU | 1 | 16.4 | SPRING | STANDARD31516 | HKLR | P |
| 13-May-13 | NW LANTAU | 2 | 15.1 | SPRING | STANDARD31516 | HKLR | P |
| 13-May-13 | NW LANTAU | 1 | 2.7 | SPRING | STANDARD31516 | HKLR | S |
| 13-May-13 | NW LANTAU | 2 | 4.3 | SPRING | STANDARD31516 | HKLR | S |
| 13-May-13 | NE LANTAU | 2 | 9.4 | SPRING | STANDARD31516 | HKLR | P |
| 13-May-13 | NE LANTAU | 3 | 10.3 | SPRING | STANDARD31516 | HKLR | P |
| 13-May-13 | NE LANTAU | 2 | 10.5 | SPRING | STANDARD31516 | HKLR | S |
| 25-May-13 | NW LANTAU | 1 | 6.25 | SPRING | STANDARD31516 | HKLR | P |
| 25-May-13 | NW LANTAU | 2 | 12.09 | SPRING | STANDARD31516 | HKLR | P |

## Annex I. (cont'd)

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

| DATE | AREA | BEAU | EFFORT | SEASON | VESSEL | TYPE | P/S |
|---|---|---|---|---|---|---|---|
| 25-May-13 | NW LANTAU | 3 | 3.18 | SPRING | STANDARD31516 | HKLR | P |
| 25-May-13 | NW LANTAU | 4 | 10.62 | SPRING | STANDARD31516 | HKLR | P |
| 25-May-13 | NW LANTAU | 2 | 2.35 | SPRING | STANDARD31516 | HKLR | S |
| 25-May-13 | NW LANTAU | 3 | 0.58 | SPRING | STANDARD31516 | HKLR | S |
| 25-May-13 | NW LANTAU | 4 | 4.28 | SPRING | STANDARD31516 | HKLR | S |
| 25-May-13 | NE LANTAU | 2 | 7.14 | SPRING | STANDARD31516 | HKLR | P |
| 25-May-13 | NE LANTAU | 3 | 9.92 | SPRING | STANDARD31516 | HKLR | P |
| 25-May-13 | NE LANTAU | 2 | 7.24 | SPRING | STANDARD31516 | HKLR | S |
| 28-May-13 | NE LANTAU | 1 | 12.11 | SPRING | STANDARD31516 | HKLR | P |
| 28-May-13 | NE LANTAU | 2 | 7.22 | SPRING | STANDARD31516 | HKLR | P |
| 28-May-13 | NE LANTAU | 3 | 1.23 | SPRING | STANDARD31516 | HKLR | P |
| 28-May-13 | NE LANTAU | 1 | 3.35 | SPRING | STANDARD31516 | HKLR | S |
| 28-May-13 | NE LANTAU | 2 | 7.24 | SPRING | STANDARD31516 | HKLR | S |
| 28-May-13 | NW LANTAU | 2 | 2.29 | SPRING | STANDARD31516 | HKLR | P |
| 28-May-13 | NW LANTAU | 3 | 18.83 | SPRING | STANDARD31516 | HKLR | P |
| 28-May-13 | NW LANTAU | 4 | 12.58 | SPRING | STANDARD31516 | HKLR | P |
| 28-May-13 | NW LANTAU | 5 | 7 | SPRING | STANDARD31516 | HKLR | P |
| 28-May-13 | NW LANTAU | 3 | 7.9 | SPRING | STANDARD31516 | HKLR | S |
| 28-May-13 | NW LANTAU | 4 | 4.7 | SPRING | STANDARD31516 | HKLR | S |

## Annex II. HKLR03 Chinese White Dolphin Sighting Database (March-May 2013)

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

| DATE | STG # | TIME | HRD SZ | AREA | BEAU | PSD | EFFORT | TYPE | NORTHING | EASTING | SEASON | BOAT ASSOC. | P/S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6-Mar-13 | 1 | 1401 | 20 | NW LANTAU | 3 | 294 | ON | HKLR | 823815 | 806677 | SPRING | NONE | S |
| 6-Mar-13 | 2 | 1532 | 10 | NW LANTAU | 2 | 132 | ON | HKLR | 823288 | 804667 | SPRING | NONE | P |
| 11-Mar-13 | 1 | 1309 | 2 | NW LANTAU | 3 | 105 | ON | HKLR | 821698 | 807518 | SPRING | NONE | P |
| 11-Mar-13 | 2 | 1356 | 2 | NW LANTAU | 2 | 75 | ON | HKLR | 828398 | 807530 | SPRING | NONE | P |
| 11-Mar-13 | 3 | 1421 | 3 | NW LANTAU | 2 | 39 | ON | HKLR | 829964 | 805464 | SPRING | NONE | P |
| 11-Mar-13 | 4 | 1434 | 2 | NW LANTAU | 2 | 296 | ON | HKLR | 828646 | 805451 | SPRING | NONE | P |
| 11-Mar-13 | 5 | 1452 | 3 | NW LANTAU | 4 | 96 | ON | HKLR | 825113 | 805433 | SPRING | NONE | P |
| 11-Mar-13 | 6 | 1510 | 2 | NW LANTAU | 4 | 58 | ON | HKLR | 822666 | 805428 | SPRING | NONE | P |
| 11-Mar-13 | 7 | 1517 | 2 | NW LANTAU | 3 | 32 | ON | HKLR | 821625 | 805437 | SPRING | NONE | P |
| 13-Mar-13 | 1 | 1019 | 2 | NW LANTAU | 1 | 262 | ON | HKLR | 815768 | 804652 | SPRING | NONE | P |
| 13-Mar-13 | 2 | 1026 | 2 | NW LANTAU | 2 | 74 | ON | HKLR | 816322 | 804643 | SPRING | NONE | P |
| 13-Mar-13 | 3 | 1035 | 4 | NW LANTAU | 1 | 735 | ON | HKLR | 817341 | 804531 | SPRING | NONE | P |
| 13-Mar-13 | 4 | 1103 | 8 | NW LANTAU | 1 | 349 | ON | HKLR | 822845 | 804666 | SPRING | NONE | P |
| 13-Mar-13 | 5 | 1125 | 1 | NW LANTAU | 1 | 858 | ON | HKLR | 826532 | 804664 | SPRING | NONE | P |
| 13-Mar-13 | 6 | 1129 | 2 | NW LANTAU | 1 | 24 | ON | HKLR | 827086 | 804665 | SPRING | NONE | P |
| 13-Mar-13 | 7 | 1213 | 13 | NW LANTAU | 2 | 242 | ON | HKLR | 827437 | 806458 | SPRING | PURSE SEINE | P |
| 13-Mar-13 | 8 | 1415 | 1 | NW LANTAU | 1 | 255 | ON | HKLR | 822723 | 810507 | SPRING | NONE | P |
| 13-Mar-13 | 9 | 1510 | 1 | NE LANTAU | 0 | 116 | ON | HKLR | 822030 | 814555 | SPRING | NONE | P |
| 20-Mar-13 | 1 | 1359 | 2 | NW LANTAU | 2 | 473 | ON | HKLR | 826604 | 807537 | SPRING | NONE | P |
| 20-Mar-13 | 2 | 1403 | 1 | NW LANTAU | 2 | 435 | ON | HKLR | 827036 | 807528 | SPRING | NONE | P |
| 20-Mar-13 | 3 | 1525 | 1 | NW LANTAU | 2 | ND | OFF | HKLR | 817373 | 805459 | SPRING | NONE | N/A |
| 2-Apr-13 | 1 | 1410 | 2 | NW LANTAU | 2 | 0 | ON | HKLR | 826028 | 807526 | SPRING | NONE | P |
| 2-Apr-13 | 2 | 1417 | 3 | NW LANTAU | 2 | 238 | ON | HKLR | 826936 | 807538 | SPRING | NONE | P |
| 8-Apr-13 | 1 | 1426 | 1 | NW LANTAU | 1 | 31 | ON | HKLR | 827957 | 806489 | SPRING | NONE | P |
| 8-Apr-13 | 2 | 1434 | 1 | NW LANTAU | 1 | 13 | ON | HKLR | 828090 | 806469 | SPRING | NONE | P |
| 12-Apr-13 | 1 | 1140 | 3 | NW LANTAU | 3 | 10 | ON | HKLR | 829573 | 806997 | SPRING | NONE | S |
| 12-Apr-13 | 2 | 1223 | 2 | NW LANTAU | 2 | 139 | ON | HKLR | 826881 | 807528 | SPRING | NONE | P |
| 12-Apr-13 | 3 | 1242 | 1 | NW LANTAU | 2 | ND | OFF | HKLR | 824400 | 807523 | SPRING | NONE | N/A |
| 13-May-13 | 1 | 1131 | 3 | NW LANTAU | 1 | 48 | ON | HKLR | 828874 | 807521 | SPRING | NONE | P |
| 13-May-13 | 2 | 1150 | 10 | NW LANTAU | 2 | 15 | ON | HKLR | 828675 | 807531 | SPRING | NONE | P |
| 13-May-13 | 3 | 1228 | 1 | NW LANTAU | 2 | 388 | ON | HKLR | 823182 | 807521 | SPRING | NONE | P |
| 13-May-13 | 4 | 1312 | 1 | NW LANTAU | 2 | 38 | ON | HKLR | 823101 | 809488 | SPRING | NONE | P |

## Annex II. (cont'd)

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

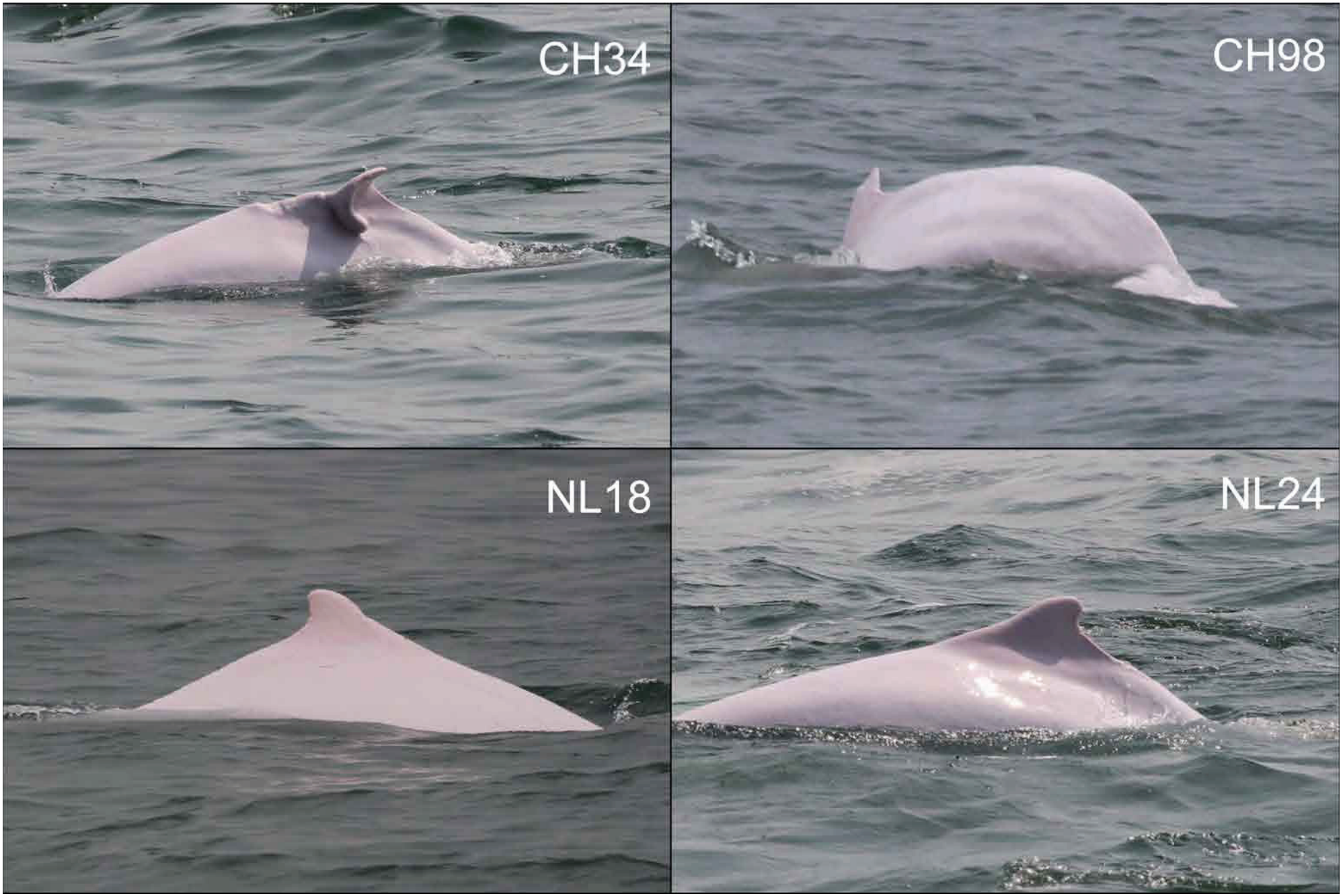
| DATE | STG # | TIME | HRD SZ | AREA | BEAU | PSD | EFFORT | TYPE | NORTHING | EASTING | SEASON | BOAT ASSOC. | P/S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13-May-13 | 5 | 1320 | 3 | NW LANTAU | 2 | 74 | ON | HKLR | 823688 | 809468 | SPRING | NONE | P |
| 13-May-13 | 6 | 1406 | 4 | NW LANTAU | 2 | 458 | ON | HKLR | 822766 | 811506 | SPRING | NONE | P |
| 25-May-13 | 1 | 1146 | 3 | NW LANTAU | 2 | 329 | ON | HKLR | 828358 | 805460 | SPRING | NONE | P |
| 25-May-13 | 2 | 1258 | 1 | NW LANTAU | 3 | 275 | ON | HKLR | 830206 | 806082 | SPRING | NONE | S |
| 25-May-13 | 3 | 1305 | 2 | NW LANTAU | 2 | 82 | ON | HKLR | 829462 | 807151 | SPRING | NONE | S |
| 25-May-13 | 4 | 1647 | 1 | NE LANTAU | 2 | 5 | ON | HKLR | 821968 | 820252 | SPRING | NONE | S |
| 28-May-13 | 1 | 1330 | 1 | NW LANTAU | 3 | 83 | ON | HKLR | 827222 | 808507 | SPRING | NONE | P |

## Annex III. Individual dolphins identified during HKLR03 monitoring surveys in March-May 2013

| ID# | DATE | STG# | AREA |
|---|---|---|---|
| CH34 | 2013-03-06 | 1 | NW LANTAU |
| CH98 | 2013-05-13 | 1 | NW LANTAU |
| NL18 | 2013-03-13 | 9 | NE LANTAU |
| NL24 | 2013-03-06 | 1 | NW LANTAU |
| NL33 | 2013-04-12 | 2 | NW LANTAU |
| | 2013-05-13 | 5 | NW LANTAU |
| NL46 | 2013-03-06 | 2 | NW LANTAU |
| | 2013-03-13 | 7 | NW LANTAU |
| NL49 | 2013-03-06 | 1 | NW LANTAU |
| | 2013-03-11 | 1 | NW LANTAU |
| NL93 | 2013-03-06 | 1 | NW LANTAU |
| | 2013-03-13 | 7 | NW LANTAU |
| | 2013-05-13 | 2 | NW LANTAU |
| NL104 | 2013-03-06 | 1 | NW LANTAU |
| | 2013-03-13 | 4 | NW LANTAU |
| | 2013-05-13 | 1 | NW LANTAU |
| | 2013-05-13 | 2 | NW LANTAU |
| NL120 | 2013-05-13 | 5 | NW LANTAU |
| NL145 | 2013-03-13 | 7 | NW LANTAU |
| NL165 | 2013-03-06 | 1 | NW LANTAU |
| NL179 | 2013-03-06 | 1 | NW LANTAU |
| NL202 | 2013-03-06 | 1 | NW LANTAU |
| | 2013-03-06 | 2 | NW LANTAU |
| | 2013-03-13 | 7 | NW LANTAU |
| | 2013-05-25 | 1 | NW LANTAU |
| NL210 | 2013-03-11 | 2 | NW LANTAU |
| NL224 | 2013-04-12 | 1 | NW LANTAU |
| NL233 | 2013-03-11 | 3 | NW LANTAU |
| | 2013-04-12 | 1 | NW LANTAU |
| NL244 | 2013-03-06 | 1 | NW LANTAU |
| | 2013-03-11 | 6 | NW LANTAU |
| | 2013-03-13 | 4 | NW LANTAU |
| NL259 | 2013-03-06 | 1 | NW LANTAU |
| | 2013-05-13 | 2 | NW LANTAU |

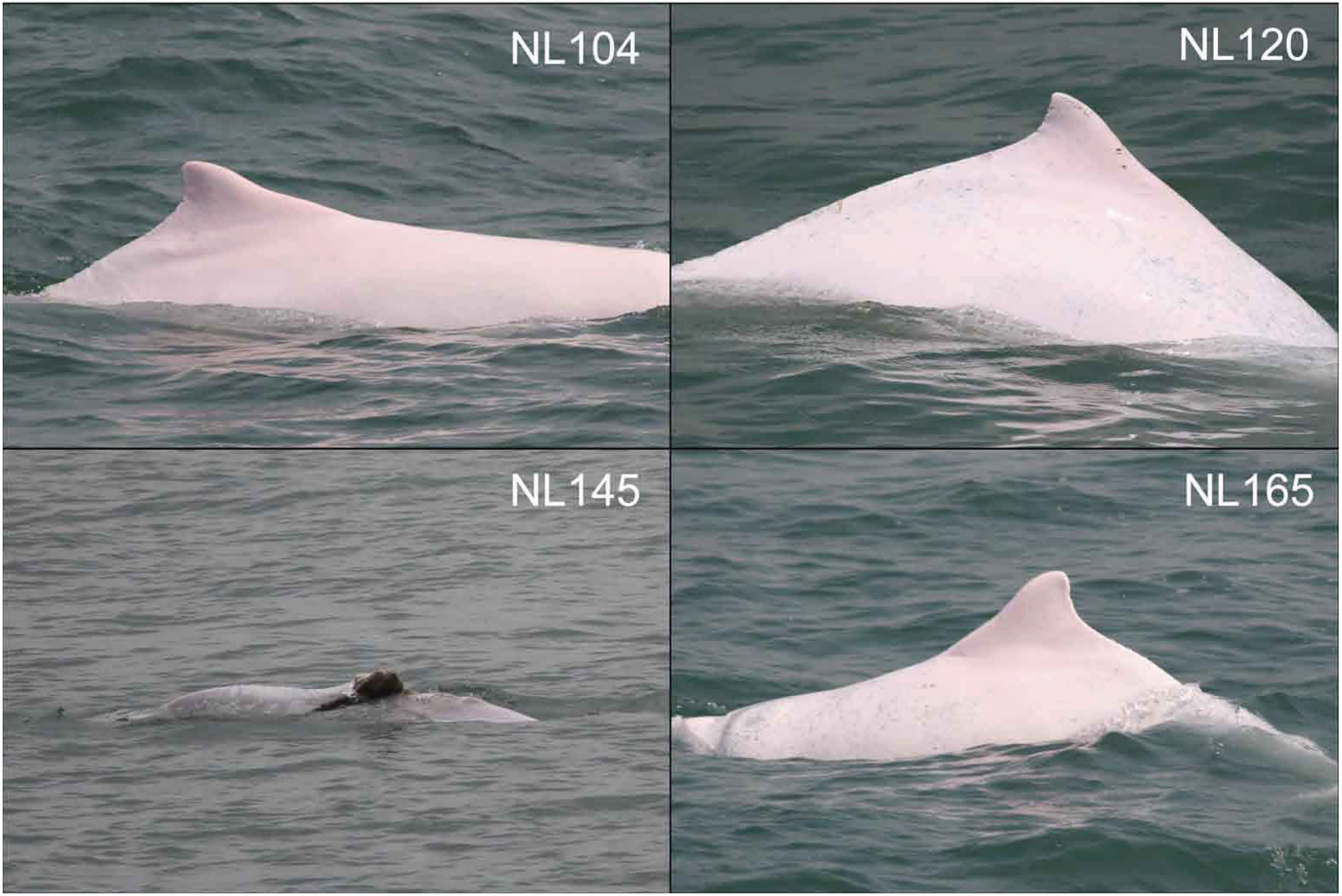
| ID# | DATE | STG# | AREA |
|---|---|---|---|
| NL261 | 2013-03-11 | 7 | NW LANTAU |
| NL262 | 2013-03-06 | 1 | NW LANTAU |
| | 2013-03-13 | 7 | NW LANTAU |
| NL264 | 2013-03-13 | 7 | NW LANTAU |
| NL272 | 2013-03-13 | 7 | NW LANTAU |
| | 2013-05-25 | 3 | NW LANTAU |
| NL284 | 2013-03-06 | 1 | NW LANTAU |
| | 2013-03-11 | 7 | NW LANTAU |
| NL286 | 2013-03-06 | 1 | NW LANTAU |
| | 2013-03-06 | 2 | NW LANTAU |
| | 2013-03-13 | 7 | NW LANTAU |
| | 2013-05-25 | 1 | NW LANTAU |
| NL295 | 2013-03-11 | 6 | NW LANTAU |
| | 2013-03-13 | 4 | NW LANTAU |
| WL05 | 2013-03-06 | 1 | NW LANTAU |
| WL44 | 2013-03-13 | 4 | NW LANTAU |
| WL46 | 2013-03-06 | 1 | NW LANTAU |
| | 2013-04-12 | 1 | NW LANTAU |
| WL50 | 2013-03-13 | 3 | NW LANTAU |
| WL61 | 2013-03-13 | 1 | NW LANTAU |
| WL98 | 2013-03-13 | 4 | NW LANTAU |
| WL131 | 2013-03-13 | 3 | NW LANTAU |
| WL199 | 2013-03-06 | 1 | NW LANTAU |
| | 2013-03-13 | 4 | NW LANTAU |

Annex IV. Thirty-four individual dolphins that were identified during March-May 2013 under HKLR03 impact phase monitoring surveys

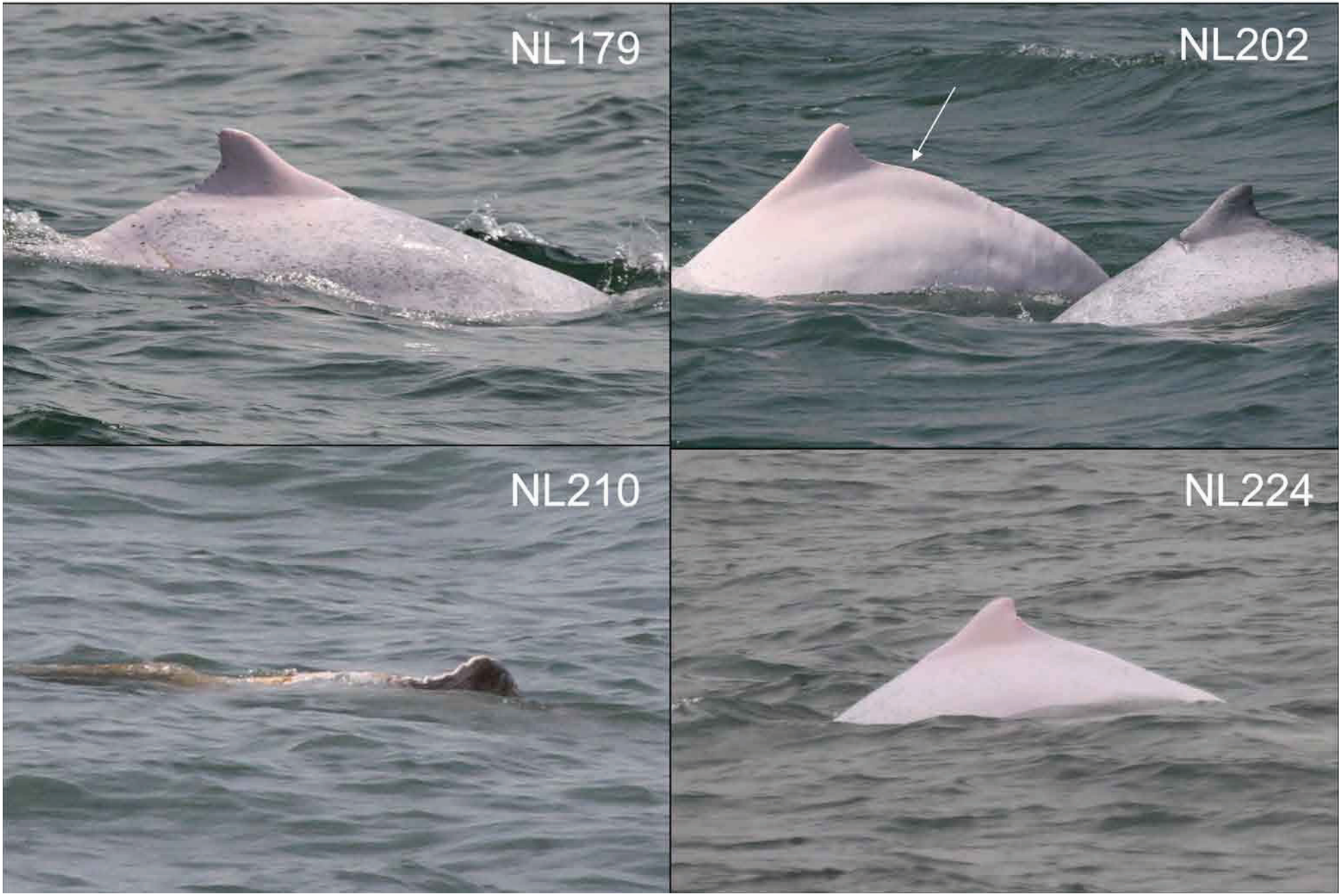


Annex IV. (cont'd)

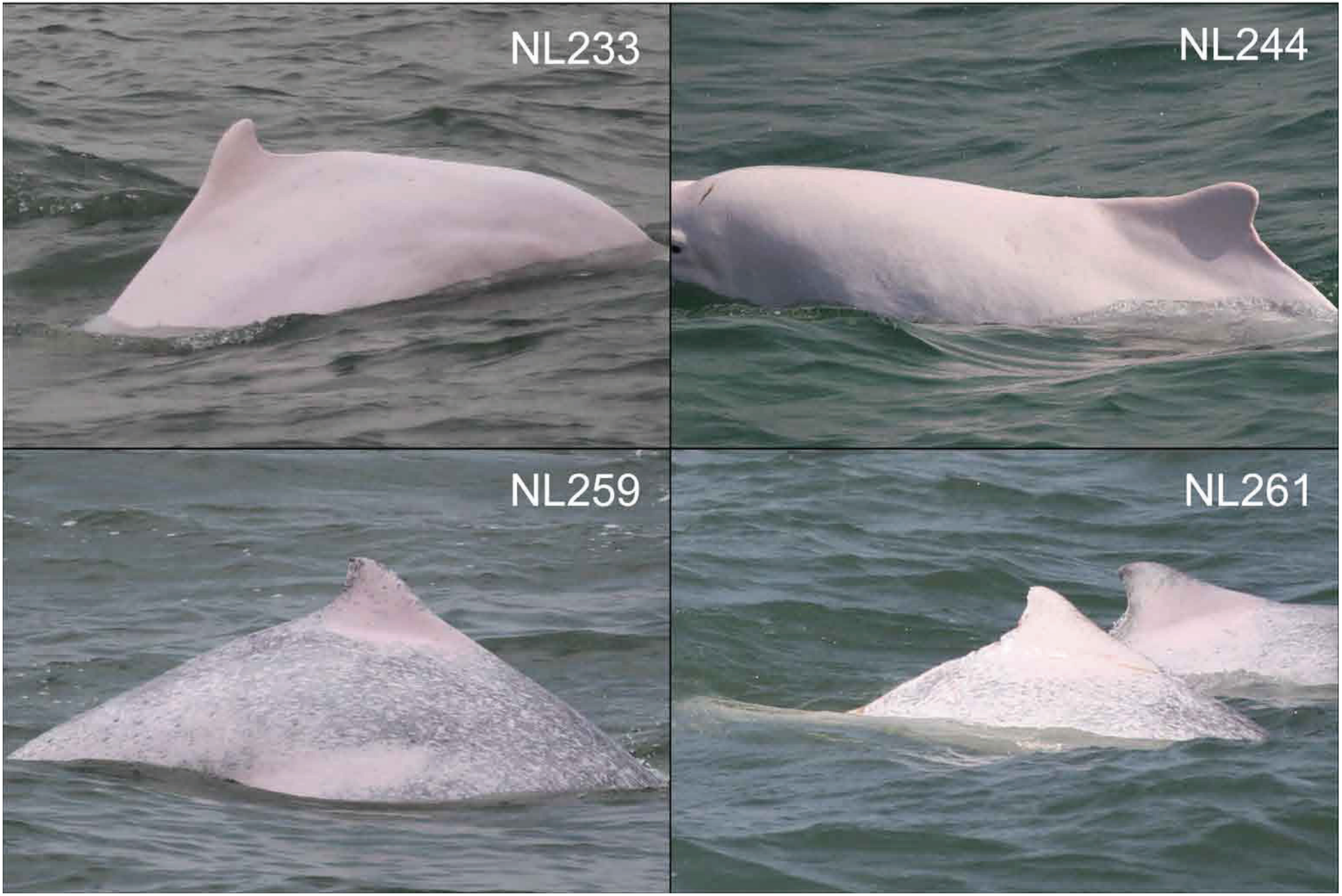
Annex IV. (cont'd)



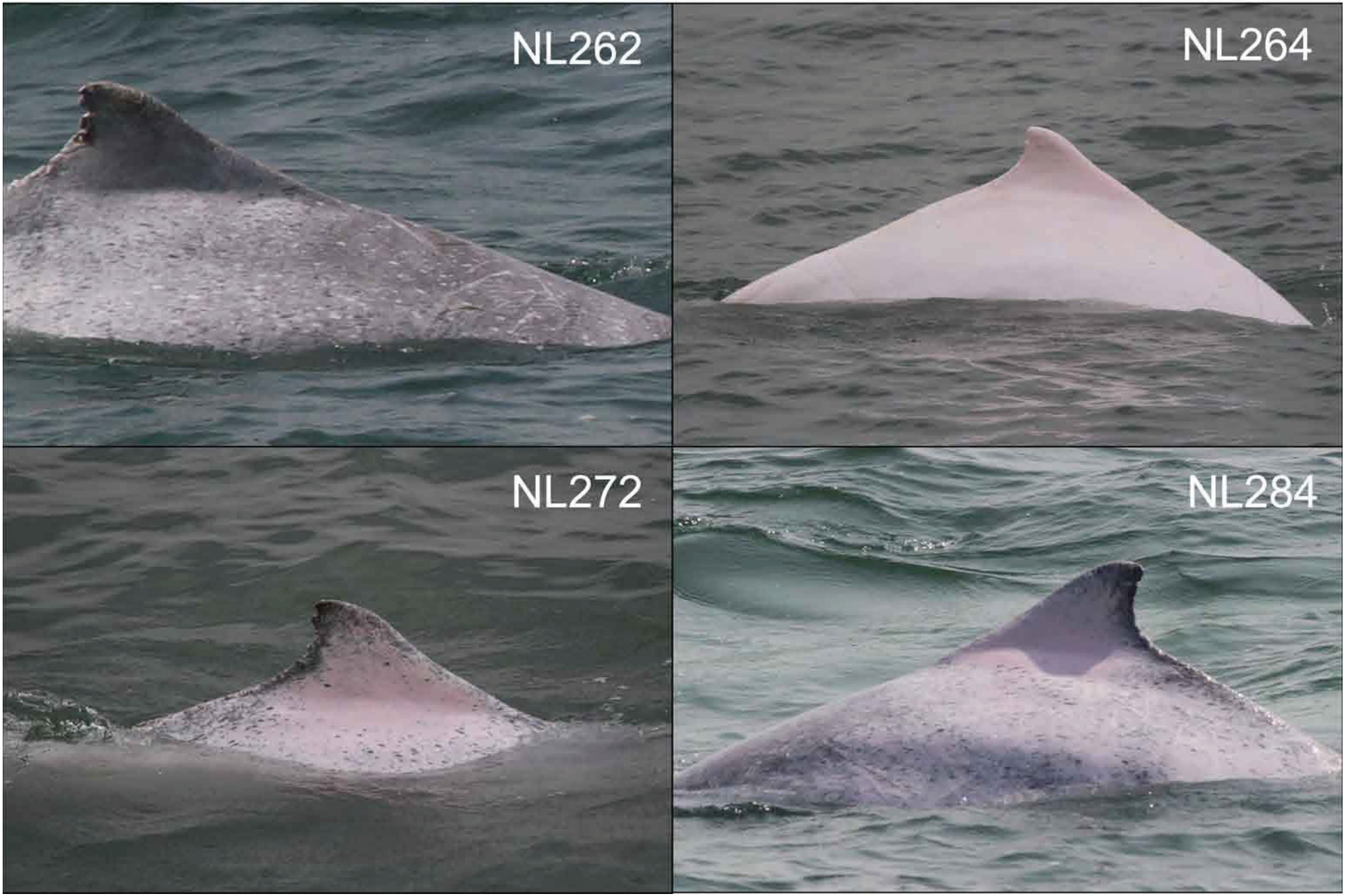
Annex IV. (cont'd)



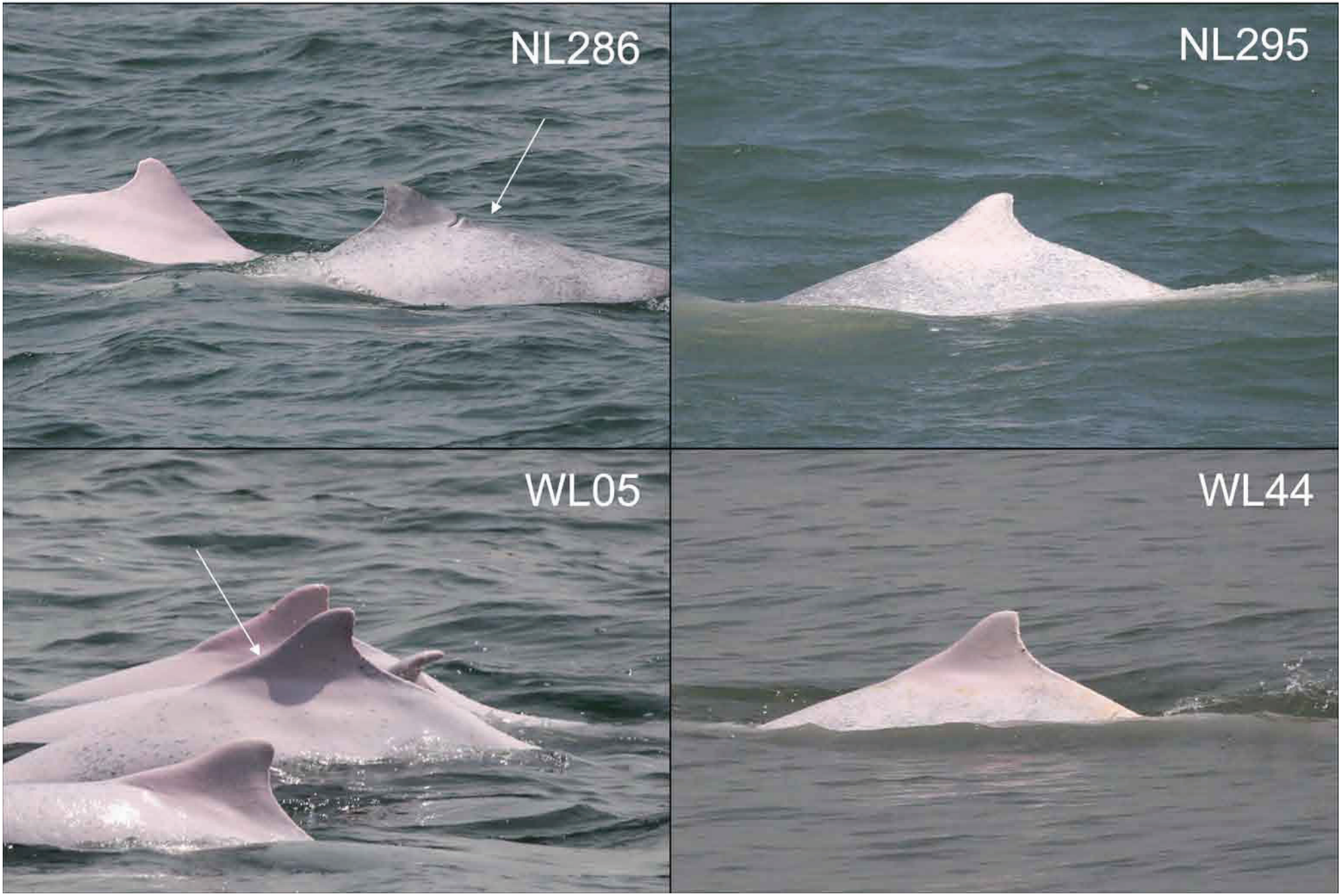
Annex IV. (cont'd)



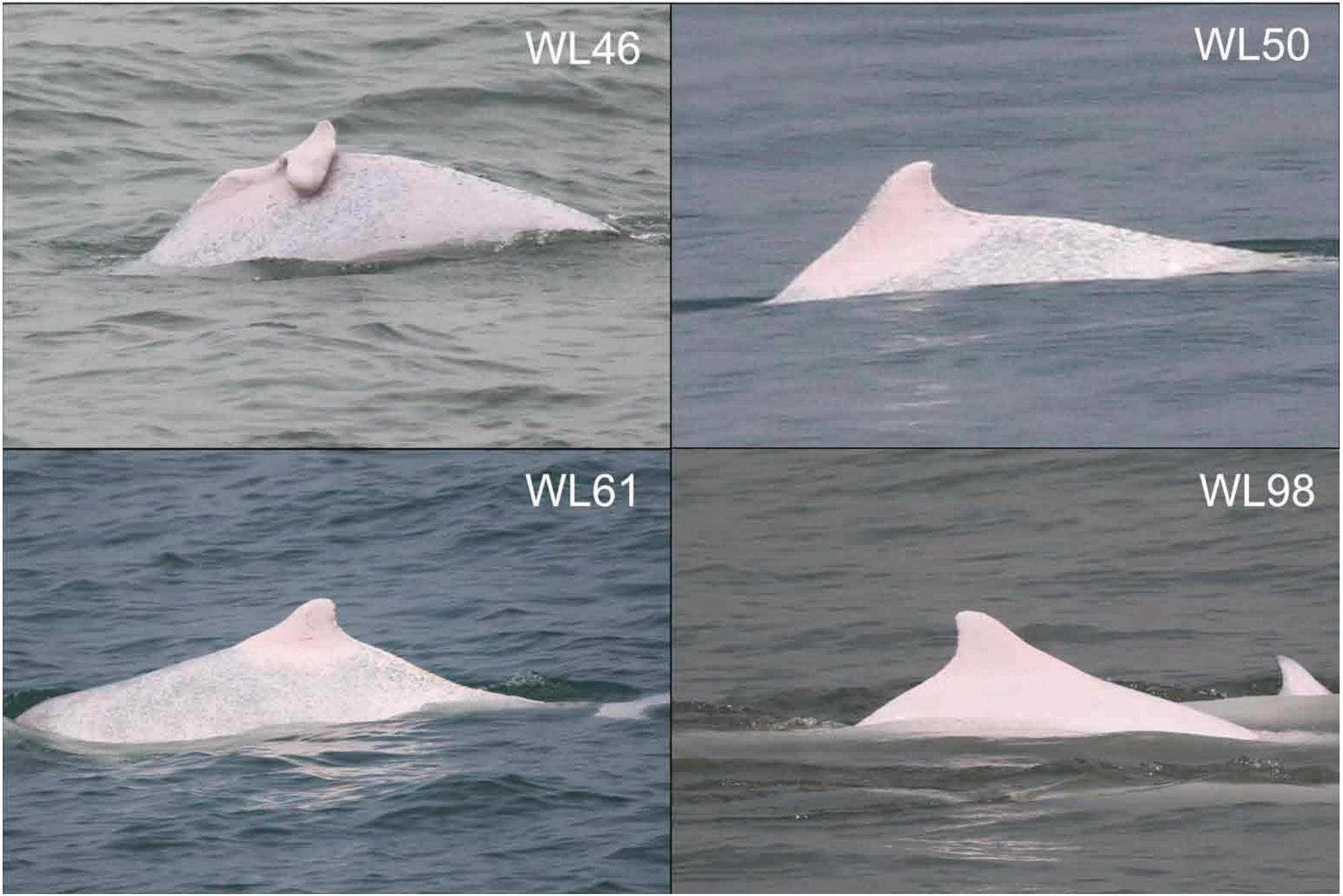
Annex IV. (cont'd)



Annex IV. (cont'd)

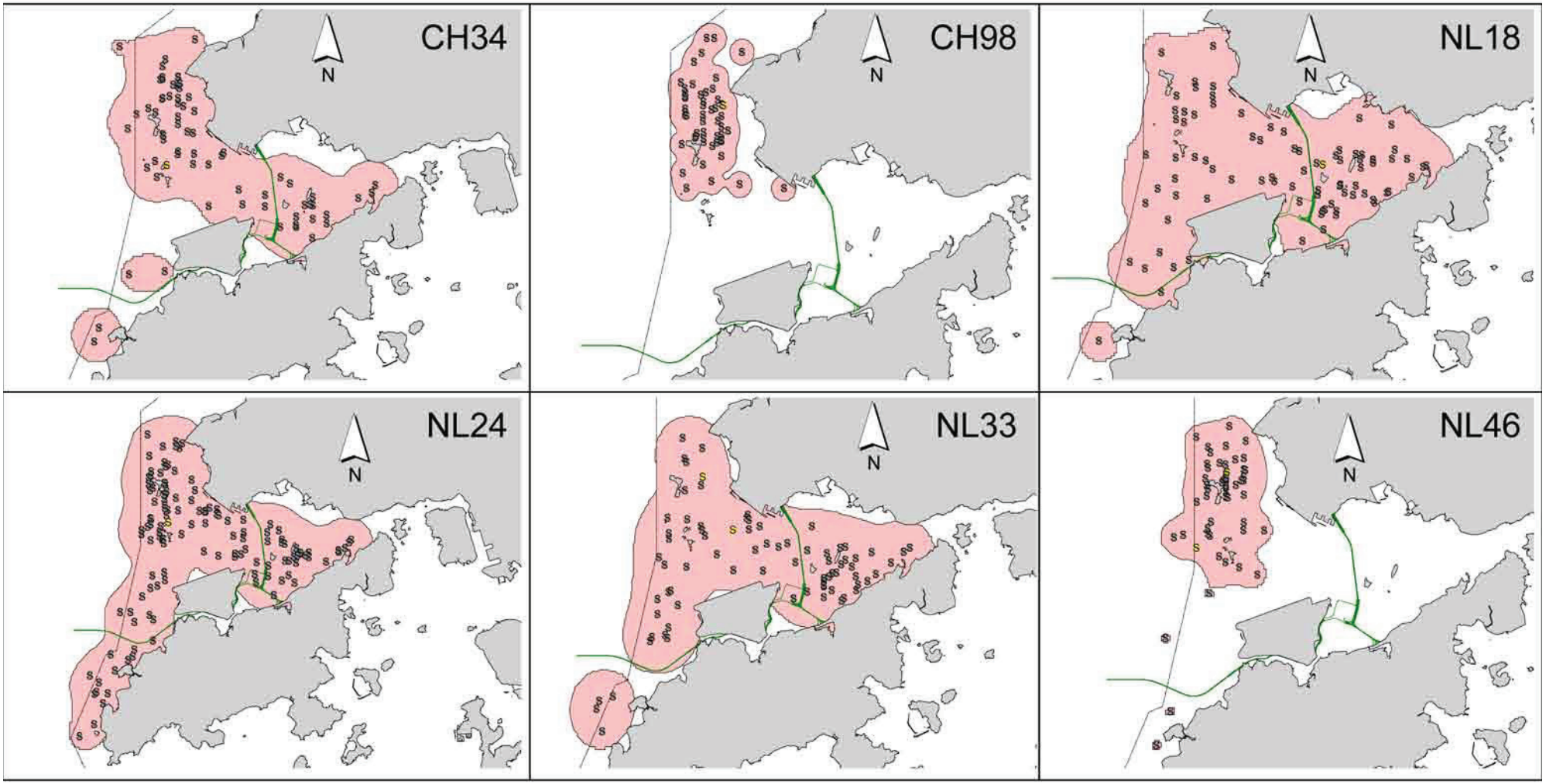


Annex IV. (cont'd)

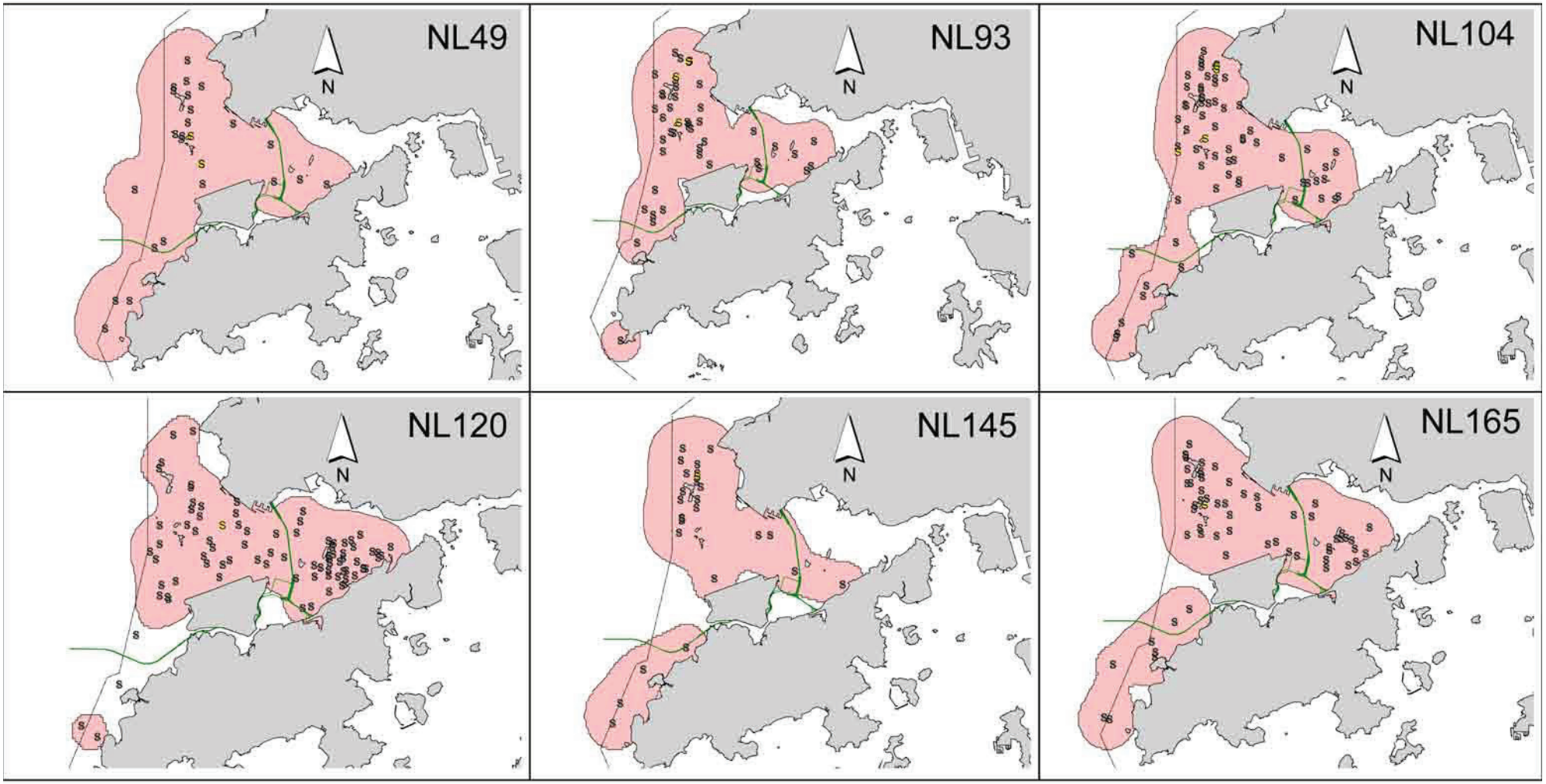


Annex IV. (cont'd)

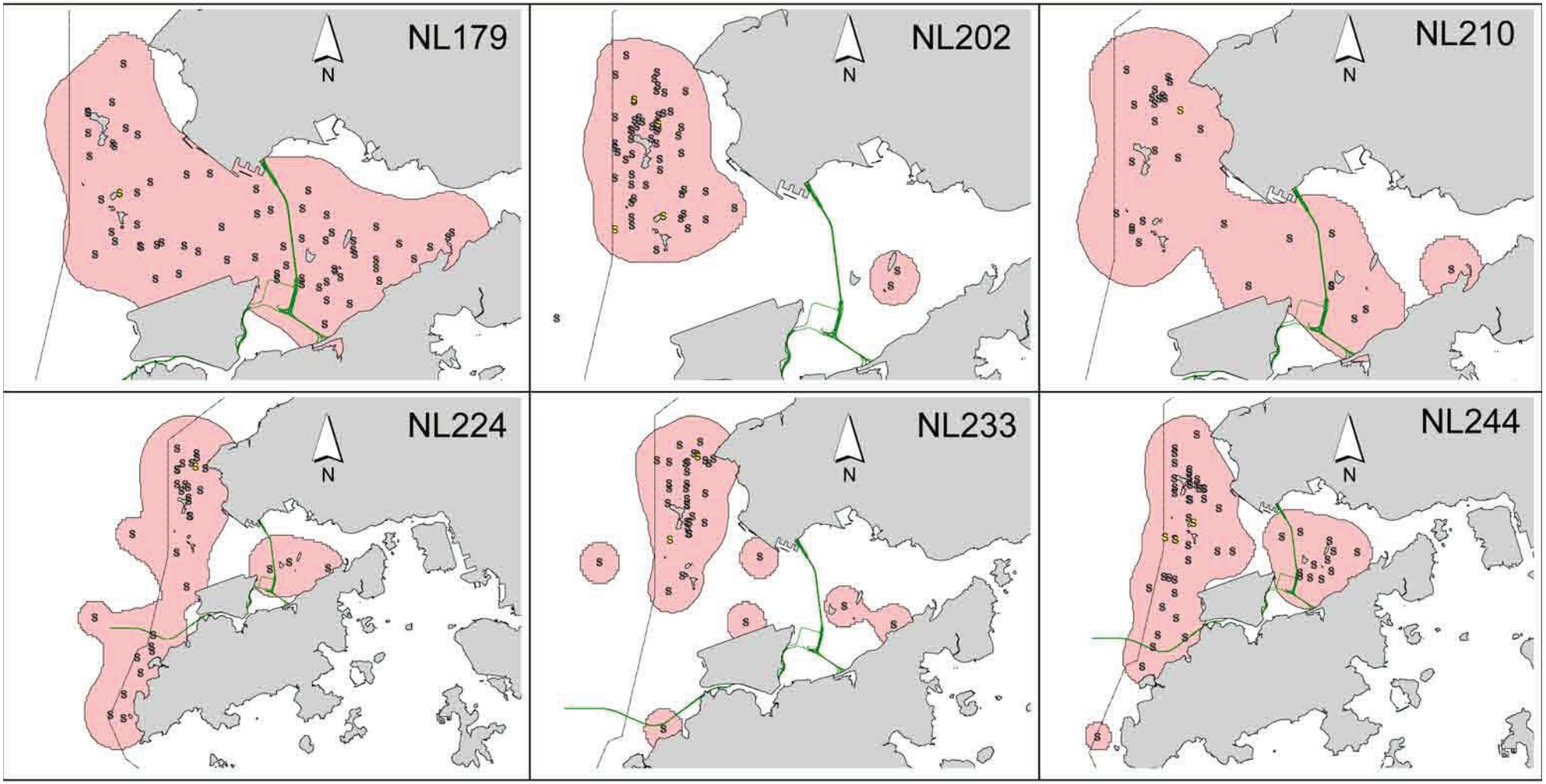
Annex V. Ranging patterns (95% kernel ranges) of 34 individual dolphins that were sighted during HKLR03 impact phase monitoring period (note: yellow dots indicates sightings made in March – May 2013)



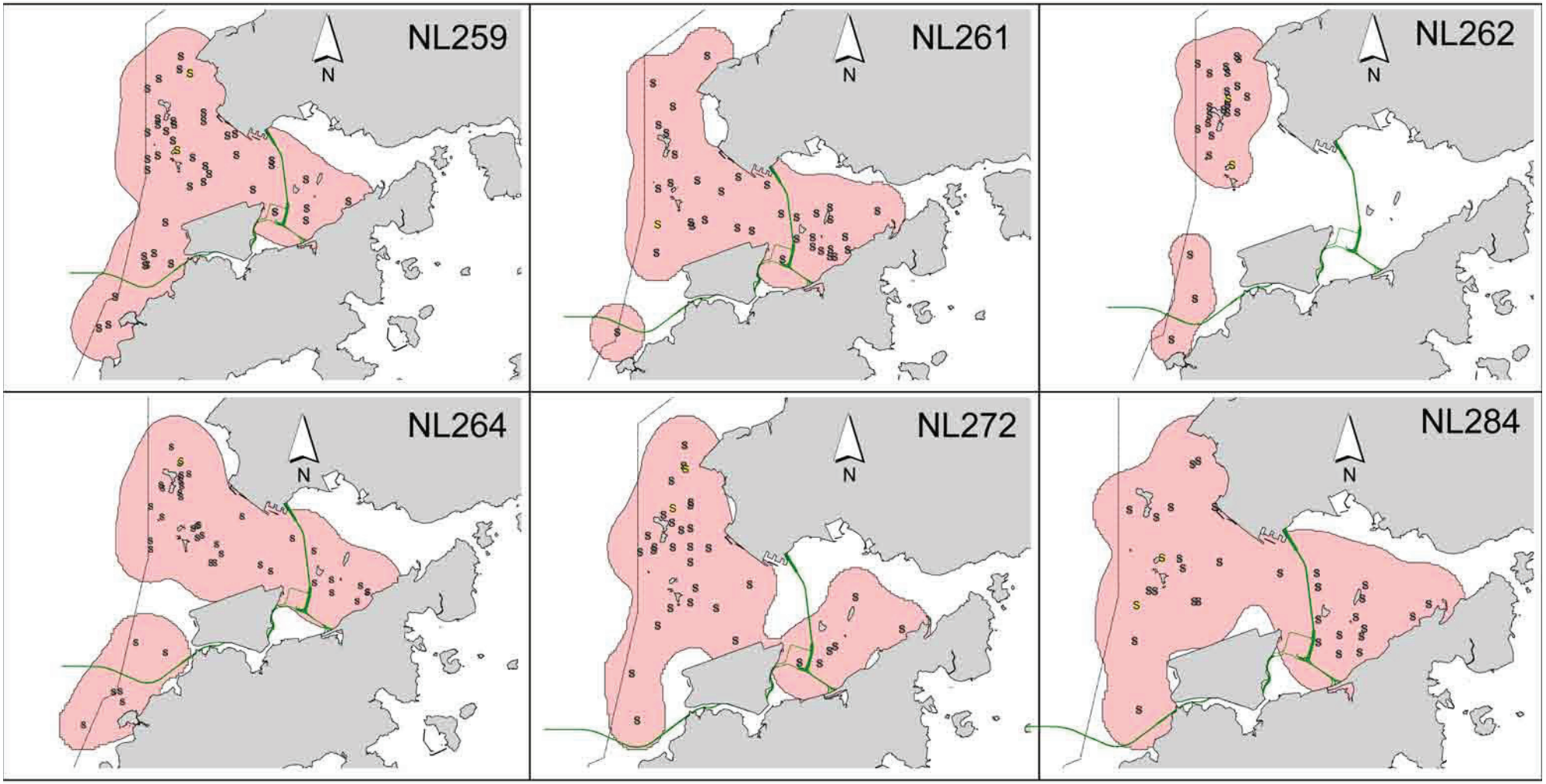
Annex V. (cont'd)



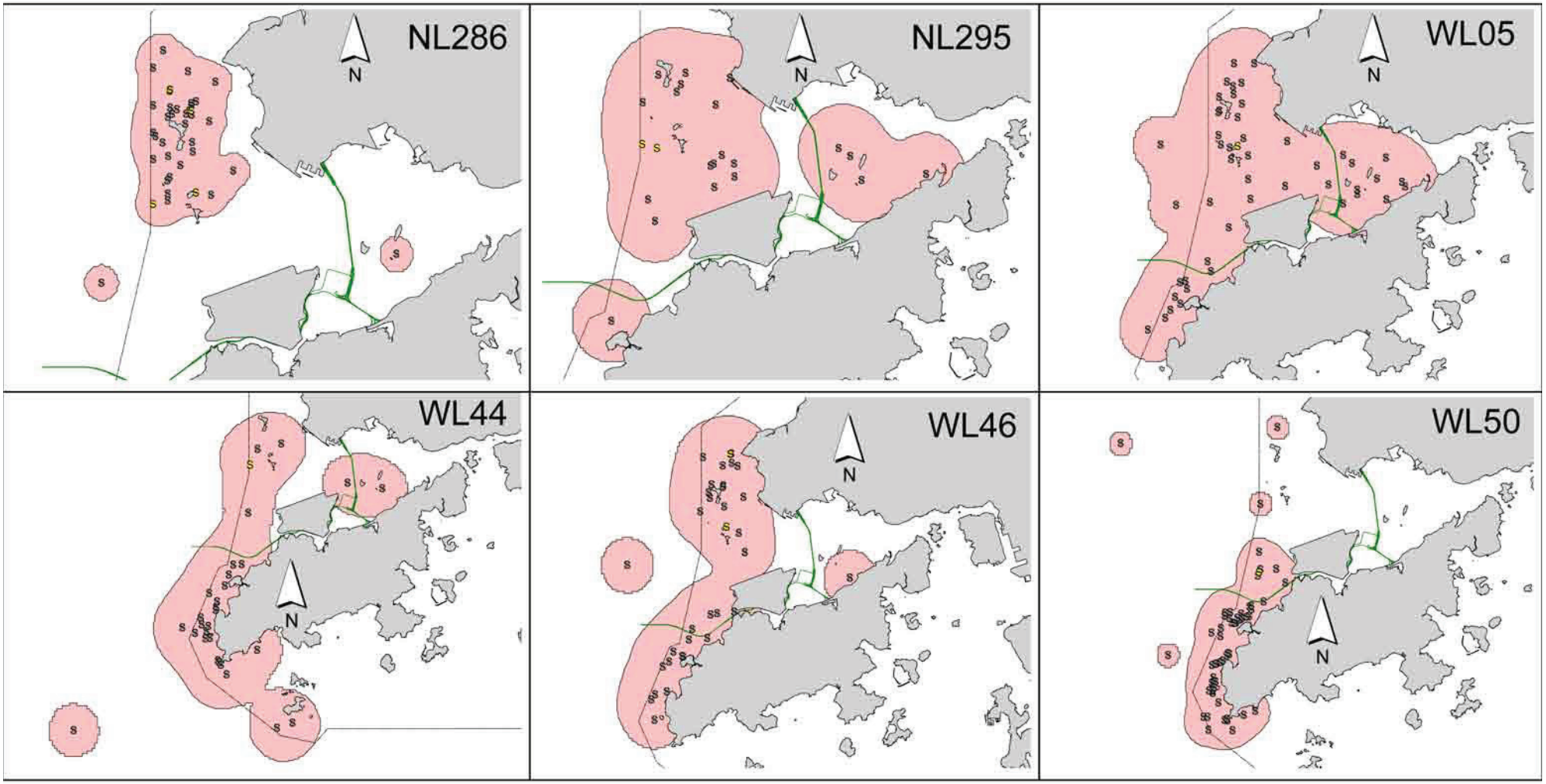
Annex V. (cont'd)



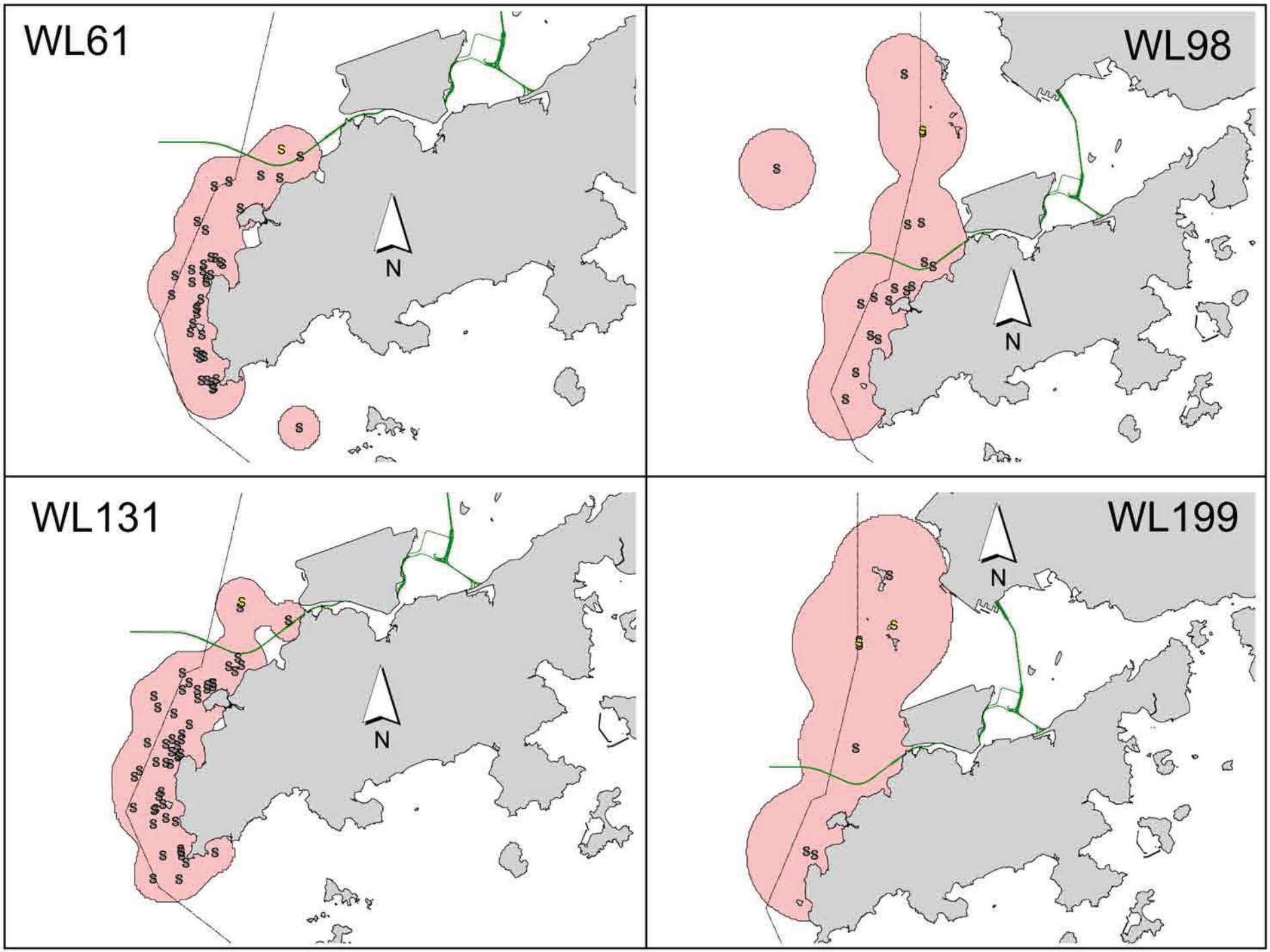
Annex V. (cont'd)



Annex V. (cont'd)



# Annex V. (cont'd)



# APPENDIX K

Waste Flow Table

**MONTHLY SUMMARY WASTE FLOW TABLE**

Name of Department: HyD

Contract No.: HY/2011/03

**Monthly Summary Waste Flow Table for 2013**

| Month | Actual Quantities of Inert C&D Materials Generated Monthly | | | | | | Actual Quantities of C&D Wastes Generated Monthly | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Total Quantity Generated | Hard Rock and Large Broken Concrete | Reused in the Contract *(Note 8)* | Reused in Other Projects *(Note 8)* | Disposed as Public Fill *(Note 6)* | Imported Fill *(Note 6)* | Metals | Paper / Cardboard Packaging | Plastics *(Note 3)* | Chemical Waste | Others, e.g. general refuse *(Note 8)* |
| | (in '000$m^3$) | (in '000$m^3$) | (in '000$m^3$) | (in '000$m^3$) | (in '000$m^3$) | (in '000$m^3$) | (in '000kg) | (in '000kg) | (in '000kg) | (in '000kg) | (in '000$m^3$) |
| Jan | 8.472 | 0.000 | 8.472 | 0.000 | 0.000 | 11.120 | 0.000 | 0.000 | 0.000 | 0.000 | 0.293 |
| Feb | 8.644 | 0.000 | 8.644 | 0.000 | 0.000 | 8.501 | 0.000 | 0.000 | 0.000 | 0.000 | 0.091 |
| Mar | 6.826 | 0.000 | 6.826 | 0.000 | 0.000 | 1.548 | 0.000 | 0.243 | 0.000 | 0.000 | 0.059 |
| Apr | 6.822 | 0.000 | 6.822 | 0.000 | 0.000 | 0.059 | 0.000 | 0.000 | 0.000 | 0.000 | 0.117 |
| May | 8.588 | 0.000 | 8.584 | 0.000 | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.098 |
| Jun | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Sub-total | 39.351 | 0.000 | 39.347 | 0.000 | 0.004 | 21.228 | 0.000 | 0.243 | 0.000 | 0.000 | 0.657 |
| Jul | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Aug | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Sep | 0.000 | 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 | 0.000 |
| Nov | 0.000 | 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 | 0.000 |
| Sub- total | 0.000 | 0.000 | 0.000 | 0.000 | 0.004 | 0.000 | 0.000 | 0.243 | 0.000 | 0.000 | 0.000 |
| Total | 39.351 | 0.000 | 39.347 | 0.000 | 0.004 | 21.228 | 0.000 | 0.243 | 0.000 | 0.000 | 0.657 |

| Forecast of Total Quantities of C&D Materials to be Generated from the Contract* | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Quantity Generated** | **Hard Rock and Large Broken Concrete** | **Reused in the Contract** | **Reused in Other Projects** | **Disposed as Public Fill** | **Imported Fill** | **Metals** | **Paper / Cardboard Packaging** | **Plastics (see Note 3)** | **Chemical Waste** | **Others, e.g. general refuse** |
| **(in '000$m^3$)** | **(in '000$m^3$)** | **(in '000$m^3$)** | **(in '000$m^3$)** | **(in '000$m^3$)** | **(in '000$m^3$)** | **(in '000kg)** | **(in '000kg)** | **(in '000kg)** | **(in '000kg)** | **(in '000$m^3$)** |
| 245.878 | 67.628 | 40.593 | 30.000 | 175.285 | 0.000 | 10.000 | 4.500 | 0.500 | 2.500 | 0.300 |

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 50,000$m^3$.

(5) All recyclable materials, including metals, paper / cardboard packaging, plastics, etc. will be collected by registered

(6) Conversion factors for reporting purpose:
excavated (bulk): rock = 2.0 tonnes/$m^3$; soil = 1.8 tonnes/$m^3$, sand=1.9tonnes/$m^3$

(7) Numbers are rounded off to the nearest three decimal places

(8) 30T dump truck carries C&D waste of 8.0$m^3$; 24T dump truck carries C&D waste of 6.5$m^3$

# APPENDIX L

Summary of Environmental Licenses and Permits

# Summary of Environmental Licences and Permits Application and Status

***Environmental Permit***

| Date Application Submitted | Status | Date EP Issued | EP No. | EP Holder | Expiry Date |
|---|---|---|---|---|---|
| 31.10.2011 | VEP issued | 09.11.2011 | EP-352/2009/A | Highways Department | N/A |
| 18.04.2013 | VEP Issued | 24.04.2013 | EP-353/2009/F | 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<br>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<br>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<br>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<br>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<br>Applied for Water Discharge License and pending for approval | N/A |
| 6 | 28.03.2013 | Airport Island (Northern) | Application Ref No. 356261<br>Water Discharge License Ref. WT00015866-2013 was granted on 29 April 2013 | Valid until 30/04/2018 |
| 7 | 28.03.2013 | Airport Island (Southern) | Application Ref. No.356262<br>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** | **30.11.2012** | **WA 06** | **Lighting for Office** | **CNP issued on 14.12.2012 (Valid)** | **GW-RS1321-12** | **15.12.2012 19:00** | **14.06.2013 23:00** |
| **2** | **31.12.2012** | **Kwo Lo Wan** | **Street Lighting, Welding and Pile Pilling Works (1900 to 2300)** | **CNP issued on 14.01.2013 (Valid)** | **GW-RS0035-13** | **14.01.2013 19:00** | **15.07.2013 23:00** |
| **3** | **31.12.2012** | **Kwo Lo Wan** | **Street Lighting, water treatment and Welding Works** | **CNP issued on 14.01.2013 (Valid)** | **GW-RS0037-13** | **14.01.2013 23:00** | **15.07.2013 07:00** |
| **4.** | **07.01.2013** | **West Portal** | **Site Formation and Waste water treatment** | **CNP issued on 21.01.2013 (valid)** | **GW-RS0049-13** | **21.01.2013 19:00** | **20.07.2013 07:00** |
| **5.** | **09.01.2013** | **WA 4** | **Loading of Fill Materials** | **CNP issued on 23.01.2013 (Valid)** | **GW-RW0054-13** | **25.01.2013 19:00** | **24.07.2013 23:00** |
| **6.** | **18.01.2013** | **Kwo Lo Wan** | **Pile Pilling** | **CNP issued on 01.02.2013 (Valid)** | **GW-RS0105-13** | **04.02.2013 19:00** | **03.08.2013 23:00** |

| Item No. | Date Application Submitted | Works Area Applied | Description | Status | CNP No. | Validity of CNP | |
|---|---|---|---|---|---|---|---|
| | | | | | | From | To |
| 7 | 28.01.2013 | WA 03 | Street lighting and water pumping | CNP issued on 08.02.2013 (Withdraw) | GW-RS2128-13 | 14.02.2013 19:00 | 13.08.2013 23:00 |
| 8 | 27.02.2013 | Airport Road | Wastewater Treatment | CNP issued on 13.03.2013 | GW-RS0243-13 | 13.03.2013 23:00 | 12.08.2013 07:00 |
| 9 | 15.03.2013 | WA 3 | Unloading of TTA material and wastewater treatment | CNP issued on 28.03.2013 | GW-RS0319-13 | 28.03.2013 19:00 | 27.09.2013 07:00 |
| 10 | 17.04.2013 | Kwo Lo Wan | TTA Works (May 2013) | CNP issued on 30.04.2013 | GW-RS0479-13 | 01.05.2013 23:00 | 31.05.2013 05:00 |
| 11 | 19.04.2013 | Portion X | Marine Works (1900 to 2300) | CNP issued on 30.04.2013 | GW-RS0478-13 | 30.04.2013 19:00 | 29.10.2013 23:00 |
| 12 | 19.04.2013 | Portion X | Marine Works (2300 to 0700) | CNP issued on 30.04.2013 | GW-RS0461-13 | 30.04.2013 23:00 | 29.10.2013 07:00 |
| 13 | 13.05.2013 | WA6 | Generator for emergency electricity source | Applied on 13.05.2013 and pending for approval | N/A | N/A | N/A |
| 14 | 16.05.2013 | Portion X (1900 to 2300) revised | Marine Works(1900 to 2300) | CNP applied on 16.05.2013 and pending for approval | N/A | N/A | N/A |
| 15 | 16.05.2013 | Portion X (2300 to 0700) revised | Marine Works (2300 to 0700) | CNP applied on 16.05.2013 and pending for approval | N/A | N/A | N/A |
| 16 | 20.05.2013 | WA 4 (1900 to 2300) revised | Loading of plants and fill materials | CNP applied on 20.05.2013 and pending for approval | N/A | N/A | N/A |
| 17 | 21.05.2013 | Airport Road (June TTA) | TTA works in June 2013 | CNP applied on 21.05.2013 and pending for approval | N/A | N/A | N/A |

# APPENDIX M

Record of "Notification of Environmental Quality Limit Exceedances

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

**Notifications of Environmental Quality Limits Exceedances** Notification No.: 115

**Date of Notification:** 13 March 2013

**Works Inspected:** Data collected from water sampling works on 1 March 2013 and the results were issued on 4 March 2013

**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 (NTU) | LL (NTU) | MEASURED AT MID-EBB TIDE (NTU) | MEASURED AT MID-FLOOD TIDE (NTU) |
|---|---|---|---|---|---|---|
| TURB | IS(Mf)6 | DA | **27.5** or 120% of upstream control station's turbidity at the same tide of the same day (i.e. CS2:4.35 x 120% = **5.2** for mid ebb AND CS(Mf)5: 2.75 x 120% = **3.3** for mid flood) | **47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2:4.35 x 130% = **5.7** for mid ebb AND CS(Mf)5: 2.75 x 130% = **3.6** for mid flood) | ***6.1*** | ***4.6*** |
| TURB | IS7 | DA | | | 3.0 | ***5.4*** |
| TURB | IS8 | DA | | | ***6.1*** | 3.2 |
| TURB | IS(Mf)9 | DA | | | 1.6 | ***3.7*** |
| TURB | IS10 | DA | | | 4.1 | ***6.4*** |
| TURB | SR3 | DA | | | 3.4 | ***3.7*** |
| TURB | SR4 | DA | | | 1.2 | ***3.7*** |
| TURB | SR5 | DA | | | 2.0 | ***10.7*** |

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 1 March 2013, LL exceedances at stations IS(Mf)6 and IS8 were recorded during mid-ebb tide. LL exceedances at stations IS(Mf)6 , IS7, IS(Mf)9, IS10, SR3, SR4 and SR5 were recorded during mid-flood tide.

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

1. Installation of stone column, rock/sand filling and rock transfer activities were carried within silt curtain as recommended in the EIA Report.
2. The range of turbidity at stations IS(Mf)6 , IS7, IS8, IS(Mf)9, IS10, SR3, SR4 and SR5 during the baseline monitoring is shown as below:

| Station | Range of Turbidity(NTU) Mid-Ebb Tide | | | Range of Turbidity(NTU) Mid-Flood Tide | | |
|---|---|---|---|---|---|---|
| IS(Mf)6 | 3.3 | to | 21.7 | 5.3 | to | 20.9 |
| IS7 | 3.4 | to | 20 | 5 | to | 19.4 |
| IS8 | 4 | to | 12.2 | 4.5 | to | 24.5 |
| IS(Mf)9 | 2.7 | to | 17 | 3.4 | to | 22.6 |
| IS10 | 6.7 | to | 14.7 | 8.4 | to | 20.8 |
| SR3 | 4.6 | to | 65.7 | 7.7 | to | 19.7 |
| SR4 | 5.2 | to | 18.9 | 5 | to | 20.6 |
| SR5 | 5.2 | to | 12.4 | 7.1 | to | 30.9 |

The measured values at stations IS(Mf)6 , IS7, IS8, IS(Mf)9, IS10, SR3, SR4 and SR5 were within the range of turbidity for mid-ebb tide and mid-flood tide during baseline monitoring.

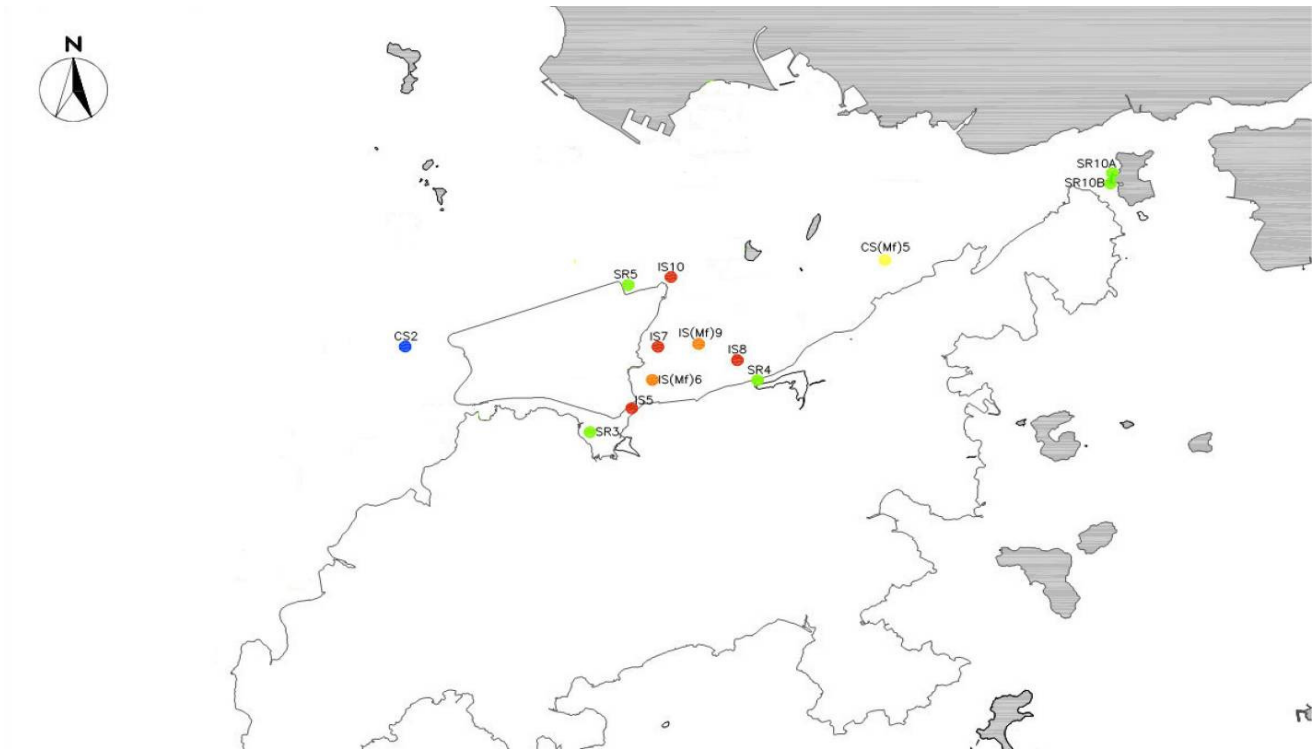
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

As such, the turbidity levels are considered to be attributed to other external factors such as sea condition, rather than the contract works.

**Actions taken/ to be taken:**

As the turbidity 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 : 13 March 2013

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.: 116

**Date of Notification:** 13 March 2013

**Works Inspected:** Data collected from water sampling works on 4 March 2013 and the results were issued on 7 March 2013

**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 (NTU) | LL (NTU) | MEASURED AT MID-EBB TIDE (NTU) | MEASURED AT MID-FLOOD TIDE (NTU) |
|---|---|---|---|---|---|---|
| TURB | IS5 | DA | **27.5** or 120% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 3.37 x 120% = **4.0** for mid ebb AND CS(Mf)5: 1.35 x 120% = **1.6** for mid flood) | **47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2:3.37 x 130% = **4.4** for mid ebb AND CS(Mf)5: 1.35x 130% = **1.8** for mid flood) | 3.2 | ***3.4*** |
| TURB | IS(Mf)6 | DA | | | 3.7 | ***4.2*** |
| TURB | IS7 | DA | | | ***4.2*** | ***4.7*** |
| TURB | IS8 | DA | | | 2.0 | ***2.0*** |
| TURB | IS(Mf)9 | DA | | | 3.3 | ***3.5*** |
| TURB | IS10 | DA | | | 3.3 | ***6.2*** |
| TURB | SR3 | DA | | | 3.1 | ***4.5*** |
| TURB | SR4 | DA | | | 2.5 | ***3.2*** |
| TURB | SR5 | DA | | | 4.0 | ***13.4*** |

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 4 March 2013, an AL exceedance at station IS7 was recorded during mid-ebb tide. LL exceedances at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4 and SR5 were recorded during mid-flood tide.

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

1. Installation of stone column was carried within silt curtain as recommended in the EIA Report.
2. The range of turbidity at stations IS5, IS(Mf)6 , IS7, IS8, IS(Mf)9, IS10, SR3, SR4 and SR5 during the baseline monitoring is shown as below:

| Station | Range of Turbidity(NTU) Mid-Ebb Tide | | | Range of Turbidity(NTU) Mid-Flood Tide | | |
|---|---|---|---|---|---|---|
| IS5 | 5.8 | to | 19.2 | 5.7 | to | 21.4 |
| IS(Mf)6 | 3.3 | to | 21.7 | 5.3 | to | 20.9 |
| IS7 | 3.4 | to | 20 | 5 | to | 19.4 |
| IS8 | 4 | to | 12.2 | 4.5 | to | 24.5 |
| IS(Mf)9 | 2.7 | to | 17 | 3.4 | to | 22.6 |
| IS10 | 6.7 | to | 14.7 | 8.4 | to | 20.8 |
| SR3 | 4.6 | to | 65.7 | 7.7 | to | 19.7 |
| SR4 | 5.2 | to | 18.9 | 5 | to | 20.6 |
| SR5 | 5.2 | to | 12.4 | 7.1 | to | 30.9 |

The measured values at stations IS5, IS(Mf)6 , IS7, IS8, IS(Mf)9, IS10, SR3, SR4 and SR5 were within the range of turbidity for mid-ebb tide and mid-flood tide during baseline monitoring.

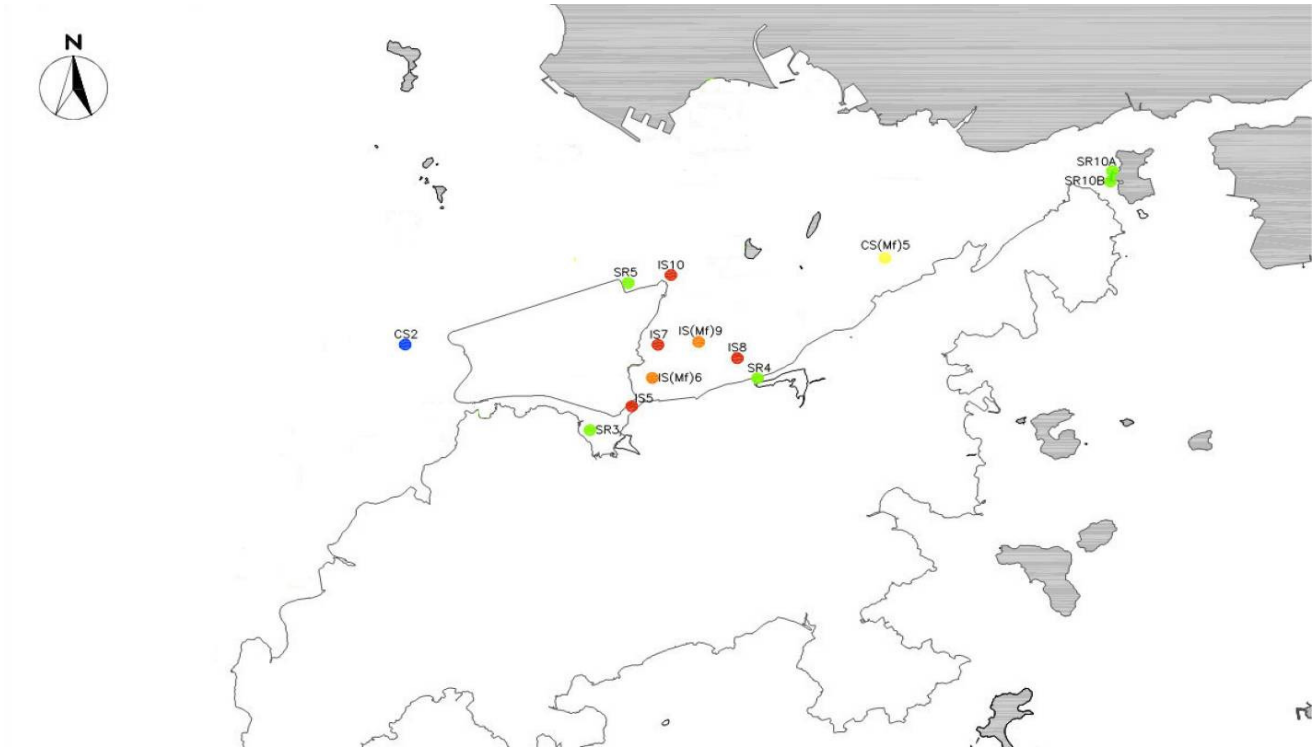
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

As such, the turbidity levels are considered to be attributed to other external factors such as sea condition, rather than the contract works.

**Actions taken/ to be taken:**

As the turbidity 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 : 13 March 2013

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.: 117

**Date of Notification:** 13 March 2013

**Works Inspected:** Data collected from water sampling works on 6 March 2013 and the results were issued on 7 March 2013

**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 (NTU) | LL (NTU) | MEASURED AT MID-EBB TIDE (NTU) | MEASURED AT MID-FLOOD TIDE (NTU) |
|---|---|---|---|---|---|---|
| TURB | IS(Mf)6 | DA | **27.5** or 120% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 3.2 x 120% = **3.8** for mid ebb AND CS(Mf)5: 2.27 x 120% = **2.7** for mid flood) | **47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 3.2 x 130% = **4.2** for mid ebb AND CS(Mf)5: 2.27 x 130% = **2.9** for mid flood) | 2.1 | ***3.6*** |
| TURB | IS7 | DA | | | 2.2 | ***3.5*** |
| TURB | IS10 | DA | | | 2.3 | ***5.6*** |
| TURB | SR5 | DA | | | 2.3 | ***5.6*** |

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 6 March 2013, LL exceedances at stations IS(Mf)6 , IS7, IS10, and SR5 were recorded during mid-flood tide.

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

1. Transferring fill material activity was carried within silt curtain as recommended in the EIA Report.
2. The range of turbidity at stations IS(Mf)6 , IS7, IS10 and SR5 during the baseline monitoring is shown as below:

| Station | Range of Turbidity(NTU) Mid-Ebb Tide | | | Range of Turbidity(NTU) Mid-Flood Tide | | |
|---|---|---|---|---|---|---|
| IS(Mf)6 | 3.3 | to | 21.7 | 5.3 | to | 20.9 |
| IS7 | 3.4 | to | 20 | 5 | to | 19.4 |
| IS10 | 6.7 | to | 14.7 | 8.4 | to | 20.8 |
| SR5 | 5.2 | to | 12.4 | 7.1 | to | 30.9 |

The measured values at stations IS(Mf)6 , IS7, IS10 and SR5 were within the range of turbidity for mid-flood tide during baseline monitoring.

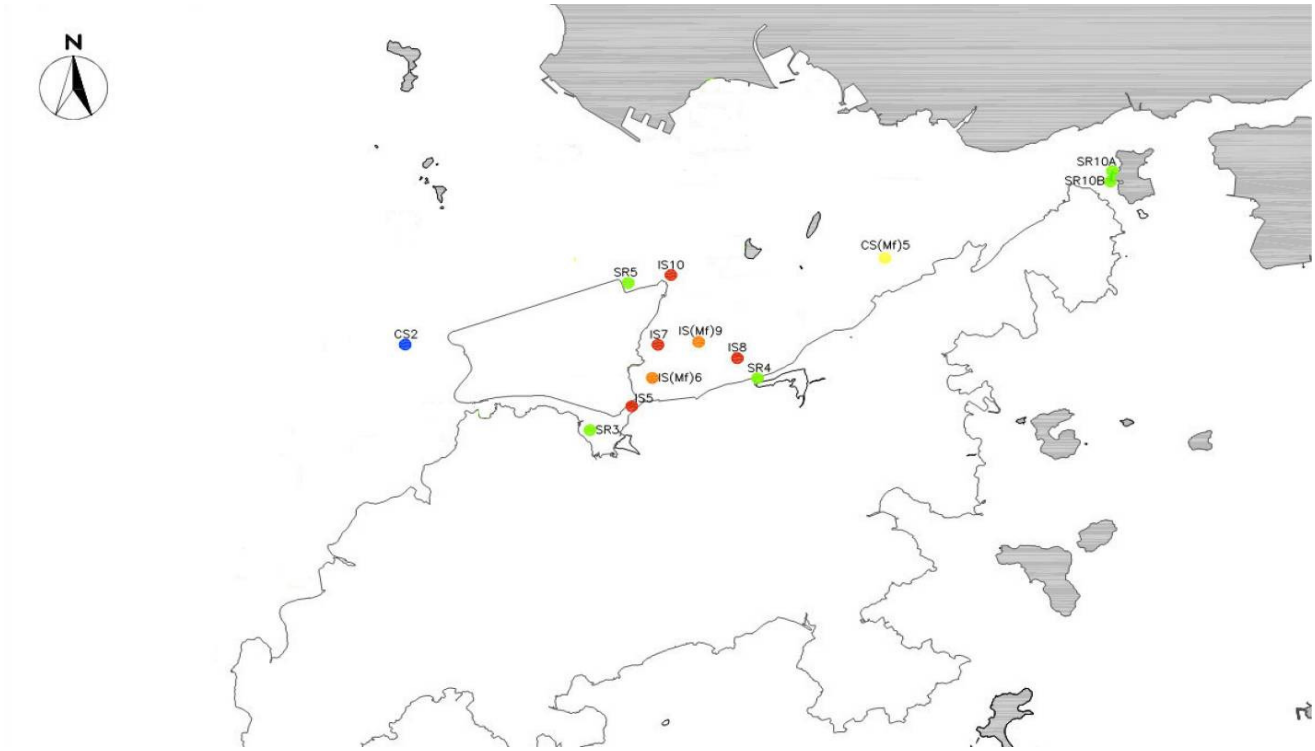
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

As such, the turbidity levels are considered to be attributed to other external factors such as sea condition, rather than the contract works.

**Actions taken/ to be taken:**

As the turbidity 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 : 13 March 2013

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.: 118

**Date of Notification:** 18 March 2013

**Works Inspected:** Data collected from water sampling works on 1 March 2013 and the test report was issued on 8 March 2013.

**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 | IS5 | DA | **23.5** or 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 3.62 x 120% = **4.3** mg/L for mid ebb) AND CS(Mf)5: 3.52 x 120% = **4.2** mg/L for mid flood) | **34.4** or 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 3.62 x 130% = **4.7** mg/L for mid ebb) AND CS(Mf)5: 3.52 x 130% = **4.6** mg/L for mid flood) | ***5.7*** | ***8.4*** |
| SS | IS(Mf)6 | DA | | | ***8.9*** | ***5.5*** |
| SS | IS7 | DA | | | ***6.7*** | ***7.0*** |
| SS | IS8 | DA | | | ***5.0*** | ***5.0*** |
| SS | IS10 | DA | | | ***4.4*** | ***5.1*** |
| SS | SR3 | DA | | | ***5.7*** | ***4.8*** |
| SS | SR5 | DA | | | 3.8 | ***14.1*** |
| SS | SR10A | DA | | | 4.1 | ***4.7*** |
| SS | SR10B | DA | | | 3.6 | ***5.2*** |

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 1 March 2013, an AL exceedandce at station IS10 and LL exceedances at stations IS5, IS(Mf)6, IS7, IS8 and SR3 were recorded for mid-ebb tide. LL exceedances at stations IS5, IS(Mf)6, IS7, IS8, IS10, SR3, SR5, SR10A and SR10B were recorded for mid-flood tide.

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

1. Installation of stone column, rock/sand filling and rock transfer activities were carried within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at stations IS5, IS(Mf)6, IS7, IS8, IS10, SR3, SR5, SR10A and SR10B 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 | | |
|---|---|---|---|---|---|---|
| IS5 | 8.1 | to | 25.7 | 7 | to | 23.7 |
| IS(Mf)6 | 7.1 | to | 19 | 8.5 | to | 35 |
| IS7 | 6.1 | to | 21 | 7.8 | to | 34 |
| IS8 | 5.5 | to | 25.5 | 5.8 | to | 31.3 |
| IS10 | 6.1 | to | 20.2 | 7.2 | to | 16 |
| SR3 | 6.7 | to | 31 | 7.6 | to | 28 |
| SR5 | 6.7 | to | 16.5 | 6.5 | to | 31.2 |
| SR10A | 3.6 | to | 17 | 4.8 | to | 19.2 |
| SR10B | 3.1 | to | 30.8 | 5.7 | to | 26.7 |

The measured values at stations IS5, IS(Mf)6, IS7, IS8, IS10, SR3, SR5, SR10A and SR10B were within the ranges of suspended solid during baseline monitoring for mid-ebb tide and mid-flood tide.

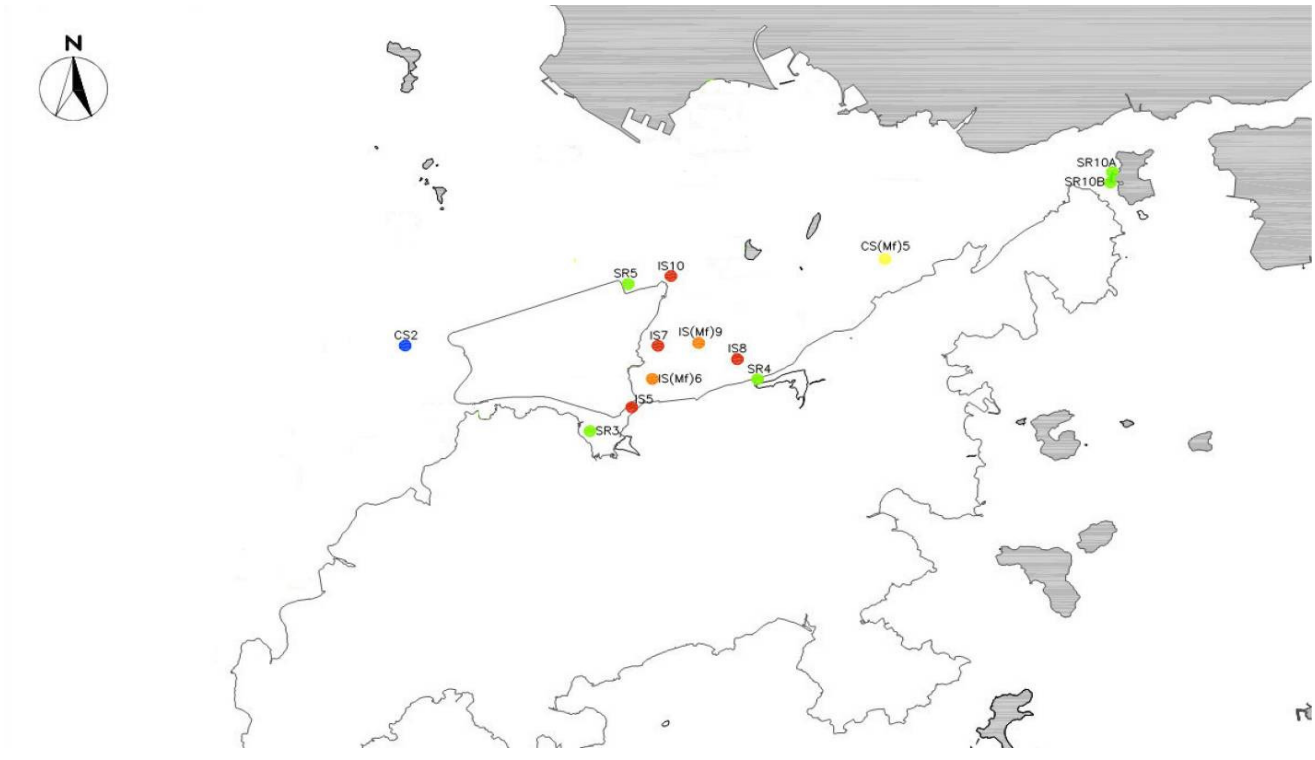
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

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

**Actions taken/ to be taken:**

As the suspended solid 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 : 18 March 2013

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.: 119

**Date of Notification:** 18 March 2013

**Works Inspected:** Data collected from water sampling works on 8 March 2013 and the results were issued on 11 March 2013

**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 (NTU) | LL (NTU) | MEASURED AT MID-EBB TIDE (NTU) | MEASURED AT MID-FLOOD TIDE (NTU) |
|---|---|---|---|---|---|---|
| TURB | IS5 | DA | **27.5** or 120% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 2.58 x 120% = **3.1** for mid ebb AND CS(Mf)5: 1.6 x 120% = **1.9** for mid flood) | **47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 2.58x 130% = **3.4** for mid ebb AND CS(Mf)5: 1.6 x 130% = **2.1** for mid flood) | ***3.2*** | ***2.5*** |
| TURB | IS(Mf)6 | DA | | | ***7.1*** | ***7.3*** |
| TURB | IS7 | DA | | | ***6.3*** | ***5.1*** |
| TURB | IS8 | DA | | | 3.0 | ***2.7*** |
| TURB | IS(Mf)9 | DA | | | 2.1 | ***2.7*** |
| TURB | IS10 | DA | | | ***3.7*** | ***3.1*** |
| TURB | SR3 | DA | | | 2.3 | ***2.4*** |
| TURB | SR4 | DA | | | 2.1 | ***2.8*** |
| TURB | SR5 | DA | | | 2.1 | ***2.1*** |

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 8 March 2013, an AL exceedance at station IS5 and LL exceedances at stations IS(Mf)6, IS7 and IS10 were recorded during mid-ebb tide. An AL exceedance at station SR5 and LL exceedances at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3 and SR4 were recorded during mid-flood tide.

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

1. Installation of stone column was carried within silt curtain as recommended in the EIA Report.
2. The range of turbidity at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4 and SR5 during the baseline monitoring is shown as below:

| Station | Range of Turbidity(NTU) Mid-Ebb Tide | | | Range of Turbidity(NTU) Mid-Flood Tide | | |
|---|---|---|---|---|---|---|
| IS5 | 5.8 | to | 19.2 | 5.7 | to | 21.4 |
| IS(Mf)6 | 3.3 | to | 21.7 | 5.3 | to | 20.9 |
| IS7 | 3.4 | to | 20 | 5 | to | 19.4 |
| IS8 | 4 | to | 12.2 | 4.5 | to | 24.5 |
| IS(Mf)9 | 2.7 | to | 17 | 3.4 | to | 22.6 |
| IS10 | 6.7 | to | 14.7 | 8.4 | to | 20.8 |
| SR3 | 4.6 | to | 65.7 | 7.7 | to | 19.7 |
| SR4 | 5.2 | to | 18.9 | 5 | to | 20.6 |
| SR5 | 5.2 | to | 12.4 | 7.1 | to | 30.9 |

The measured values at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4 and SR5 were within the range of turbidity for mid-ebb tide and mid-flood tide during baseline monitoring.

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

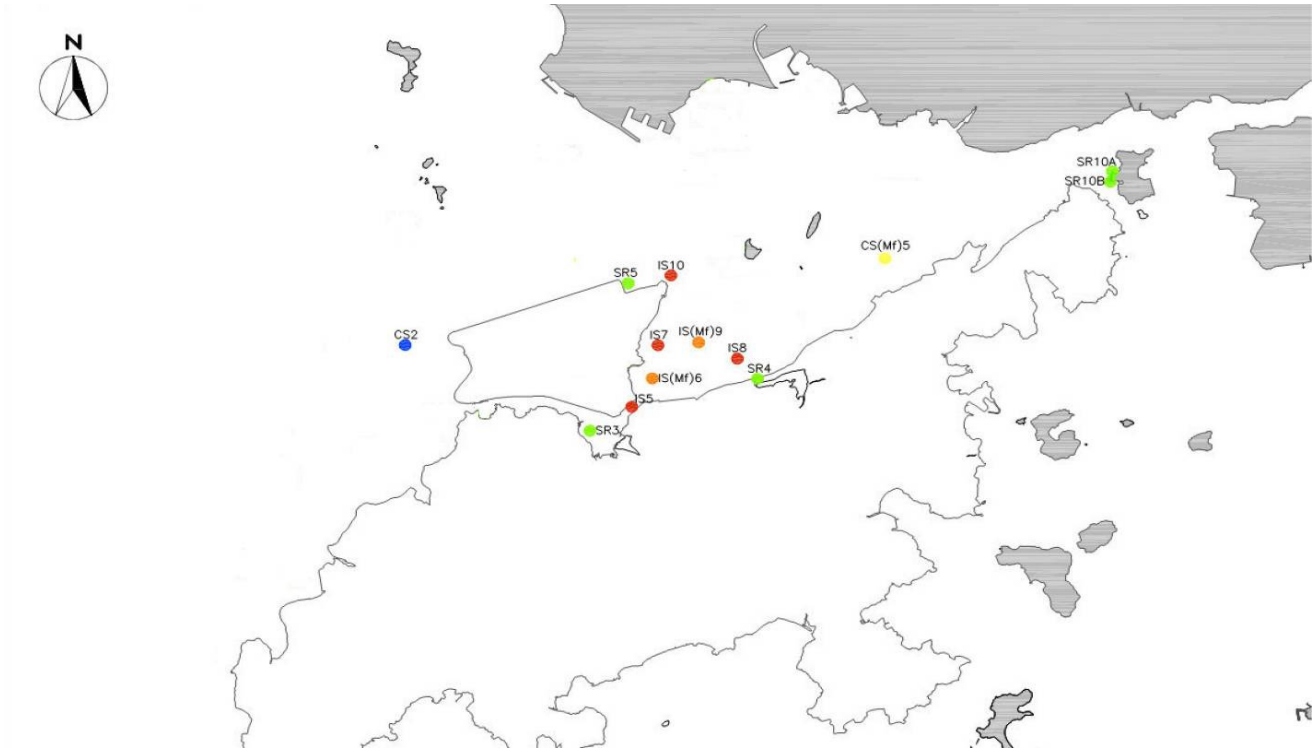
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

As such, the turbidity levels are considered to be attributed to other external factors such as sea condition, rather than the contract works.

**Actions taken/ to be taken:**

As the turbidity 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 : 18 March 2013

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.: 120

**Date of Notification:** 18 March 2013

**Works Inspected:** Data collected from water sampling works on 11 March 2013 and the results were issued on 11 March 2013

**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 (NTU) | LL (NTU) | MEASURED AT MID-EBB TIDE (NTU) | MEASURED AT MID-FLOOD TIDE (NTU) |
|---|---|---|---|---|---|---|
| TURB | IS5 | DA | **27.5** or 120% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 4.45 x 120% = **5.3** for mid ebb AND CS(Mf)5: 3.42 x 120% = **4.1** for mid flood) | **47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 4.45 x 130% = **5.8** for mid ebb AND CS(Mf)5: 3.42 x 130% = **4.4** for mid flood) | 4.4 | ***4.7*** |
| TURB | IS(Mf)6 | DA | | | 3.6 | ***5.8*** |
| TURB | IS7 | DA | | | ***7.0*** | ***7.9*** |
| TURB | IS8 | DA | | | 4.3 | ***7.4*** |
| TURB | IS(Mf)9 | DA | | | 4.3 | ***5.6*** |
| TURB | IS10 | DA | | | 5.1 | ***7.7*** |
| TURB | SR3 | DA | | | 4.4 | ***6.7*** |
| TURB | SR4 | DA | | | 3.8 | ***6.6*** |

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 March 2013, a LL exceedance at station IS7 was recorded during mid-ebb tide. LL exceedances at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3 and SR4 were recorded during mid-flood tide.

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

1. Installation of stone column was carried within silt curtain as recommended in the EIA Report.
2. The range of turbidity at stations IS5, IS(Mf)6 , IS7, IS8, IS(Mf)9, IS10, SR3 and SR4 during the baseline monitoring is shown as below:

| Station | Range of Turbidity(NTU) Mid-Ebb Tide | | | Range of Turbidity(NTU) Mid-Flood Tide | | |
|---|---|---|---|---|---|---|
| IS5 | 5.8 | to | 19.2 | 5.7 | to | 21.4 |
| IS(Mf)6 | 3.3 | to | 21.7 | 5.3 | to | 20.9 |
| IS7 | 3.4 | to | 20 | 5 | to | 19.4 |
| IS8 | 4 | to | 12.2 | 4.5 | to | 24.5 |
| IS(Mf)9 | 2.7 | to | 17 | 3.4 | to | 22.6 |
| IS10 | 6.7 | to | 14.7 | 8.4 | to | 20.8 |
| SR3 | 4.6 | to | 65.7 | 7.7 | to | 19.7 |
| SR4 | 5.2 | to | 18.9 | 5 | to | 20.6 |

   The measured values at stations IS5, IS(Mf)6 , IS7, IS8, IS(Mf)9, IS10, SR3 and SR4 were within the range of turbidity for mid-ebb tide and mid-flood tide during baseline monitoring.

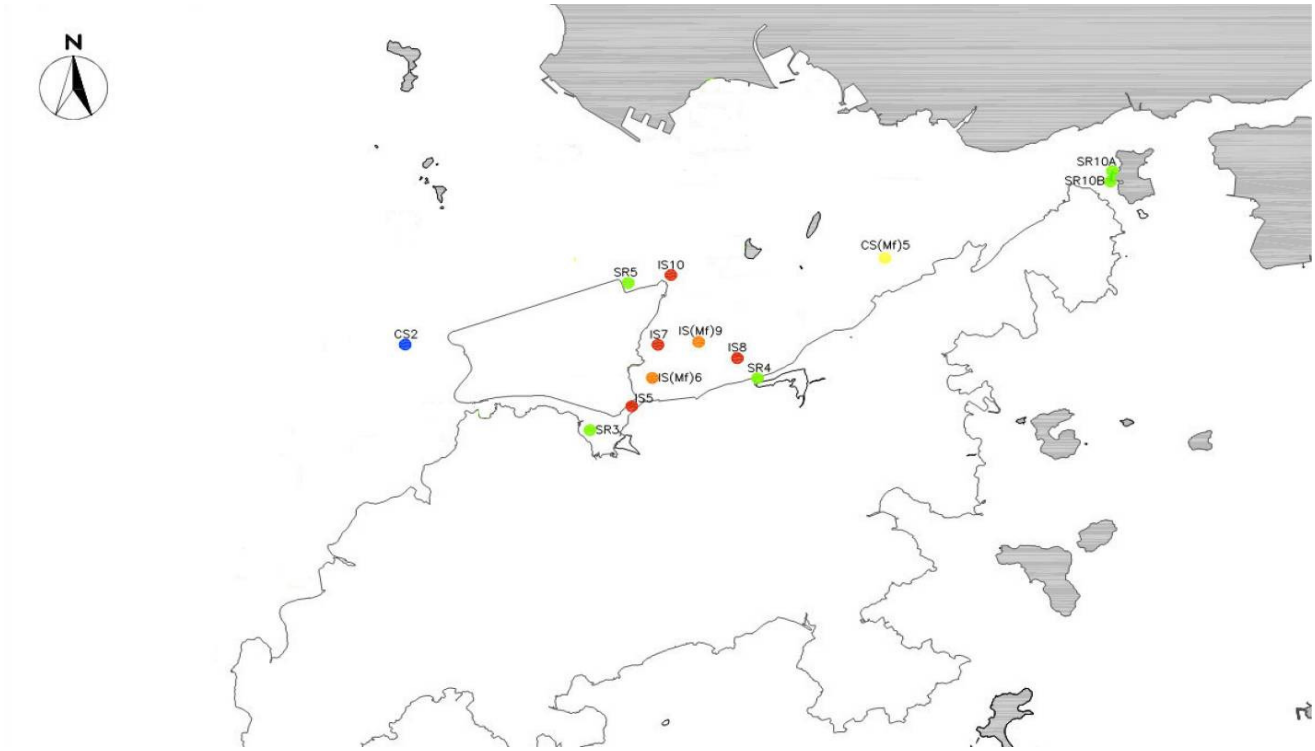
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

As such, the turbidity levels are considered to be attributed to other external factors such as sea condition, rather than the contract works.

**Actions taken/ to be taken:**

As the turbidity 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 : 18 March 2013

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.: 121

**Date of Notification:** 18 March 2013

**Works Inspected:** Data collected from water sampling works on 4 March 2013 and the test report was issued on 11 March 2013.

**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 | IS5 | DA | **23.5** or 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 3.97 x 120% = **4.8** mg/L for mid ebb) AND CS(Mf)5: 4.38 x 120% = **5.3** mg/L for mid flood) | **34.4** or 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 3.97 x 130% = **5.2** mg/L for mid ebb) AND CS(Mf)5: 4.38 x 130% = **5.7** mg/L for mid flood) | ***6.5*** | ***7.0*** |
| SS | IS(Mf)6 | DA | | | ***8.1*** | ***8.9*** |
| SS | IS7 | DA | | | ***7.6*** | ***7.7*** |
| SS | IS8 | DA | | | ***5.3*** | 5.3 |
| SS | IS(Mf)9 | DA | | | ***5.9*** | ***7.7*** |
| SS | IS10 | DA | | | ***6.3*** | ***8.6*** |
| SS | SR3 | DA | | | ***6.0*** | ***8.6*** |
| SS | SR4 | DA | | | ***5.9*** | ***6.5*** |
| SS | SR5 | DA | | | ***7.2*** | ***15.6*** |
| SS | SR10A | DA | | | ***5.4*** | ***5.8*** |

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 4 March 2013, LL exceedances at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4, SR5 and SR10A were recorded for mid-ebb tide. LL exceedances at stations IS5, IS(Mf)6, IS7, IS(Mf)9, IS10, SR3, SR4, SR5 and SR10A were recorded for mid-flood tide.

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

1. Installation of stone column was carried within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4, SR5 and SR10A 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 | | |
|---|---|---|---|---|---|---|
| IS5 | 8.1 | to | 25.7 | 7 | to | 23.7 |
| IS(Mf)6 | 7.1 | to | 19 | 8.5 | to | 35 |
| IS7 | 6.1 | to | 21 | 7.8 | to | 34 |
| IS8 | 5.5 | to | 25.5 | 5.8 | to | 31.3 |
| IS(Mf)9 | 5.5 | to | 20.1 | 7.3 | to | 26 |
| IS10 | 6.1 | to | 20.2 | 7.2 | to | 16 |
| SR3 | 6.7 | to | 31 | 7.6 | to | 28 |
| SR4 | 5.3 | to | 20 | 5.6 | to | 24.5 |
| SR5 | 6.7 | to | 16.5 | 6.5 | to | 31.2 |
| SR10A | 3.6 | to | 17 | 4.8 | to | 19.2 |

The measured values at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4, SR5 and SR10A were within the ranges of suspended solid during baseline monitoring for mid-ebb tide and mid-flood tide.

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

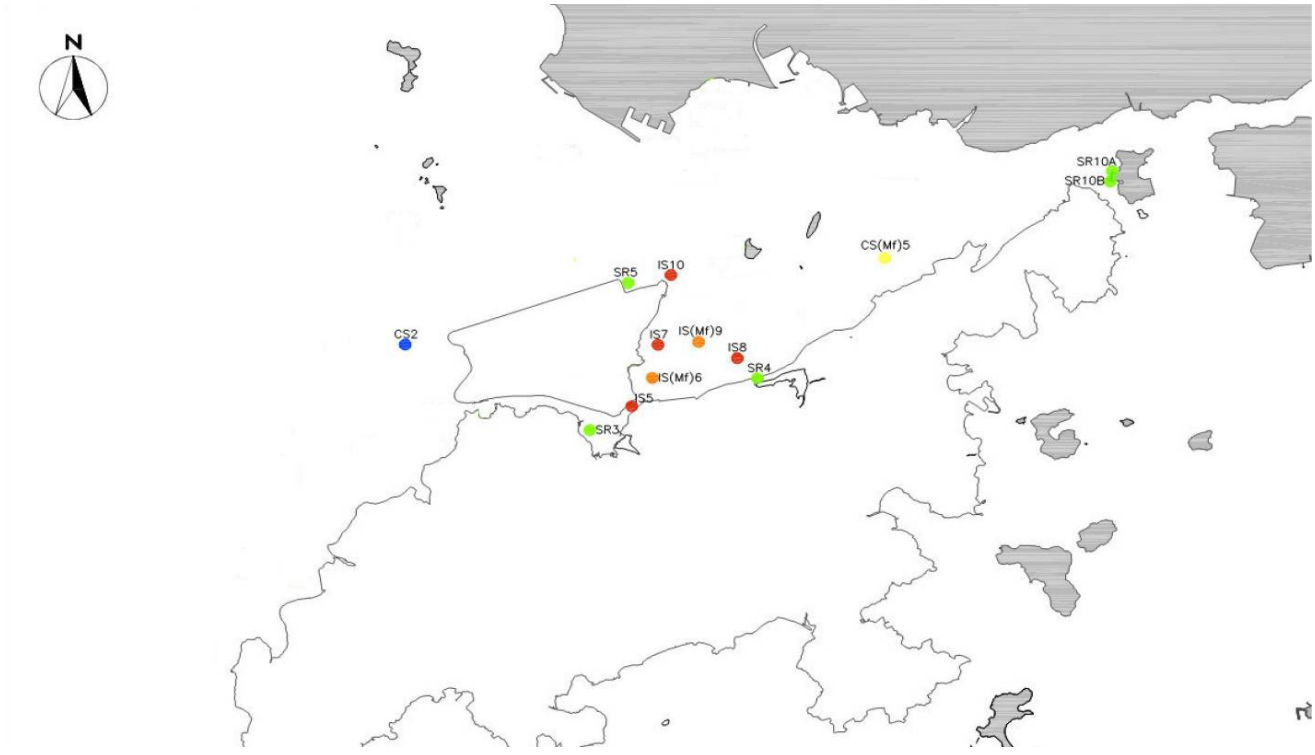
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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

**Actions taken/ to be taken:**

As the suspended solid 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 : 18 March 2013

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.: 122

**Date of Notification:** 18 March 2013

**Works Inspected:** Data collected from water sampling works on 6 March 2013 and the test report was issued on 13 March 2013.

**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 | IS5 | DA | **23.5** or 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 6.17 x 120% = **7.4** mg/L for mid ebb) AND CS(Mf)5: 2.72 x 120% = **3.3** mg/L for mid flood) | **34.4** or 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 6.17 x 130% = **8.0** mg/L for mid ebb) AND CS(Mf)5: 2.72 x 130% = **3.5**mg/L for mid flood) | 3.7 | ***5.1*** |
| SS | IS(Mf)6 | DA | | | 3.1 | ***5.5*** |
| SS | IS7 | DA | | | 3.6 | ***5.0*** |
| SS | IS10 | DA | | | 3.1 | ***8.0*** |
| SS | SR3 | DA | | | 3.4 | ***3.9*** |
| SS | SR4 | DA | | | 3.1 | ***4.9*** |
| SS | SR5 | DA | | | 3.0 | ***6.4*** |

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 6 March 2013, LL exceedances at stations IS5, IS(Mf)6, IS7, IS10, SR3, SR4 and SR5 were recorded for mid-flood tide.

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

1. Transferring fill material activity was carried within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at stations IS5, IS(Mf)6, IS7, IS10, SR3, SR4 and 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 | | |
|---|---|---|---|---|---|---|
| IS5 | 8.1 | to | 25.7 | 7 | to | 23.7 |
| IS(Mf)6 | 7.1 | to | 19 | 8.5 | to | 35 |
| IS7 | 6.1 | to | 21 | 7.8 | to | 34 |
| IS10 | 6.1 | to | 20.2 | 7.2 | to | 16 |
| SR3 | 6.7 | to | 31 | 7.6 | to | 28 |
| SR4 | 5.3 | to | 20 | 5.6 | to | 24.5 |
| SR5 | 6.7 | to | 16.5 | 6.5 | to | 31.2 |

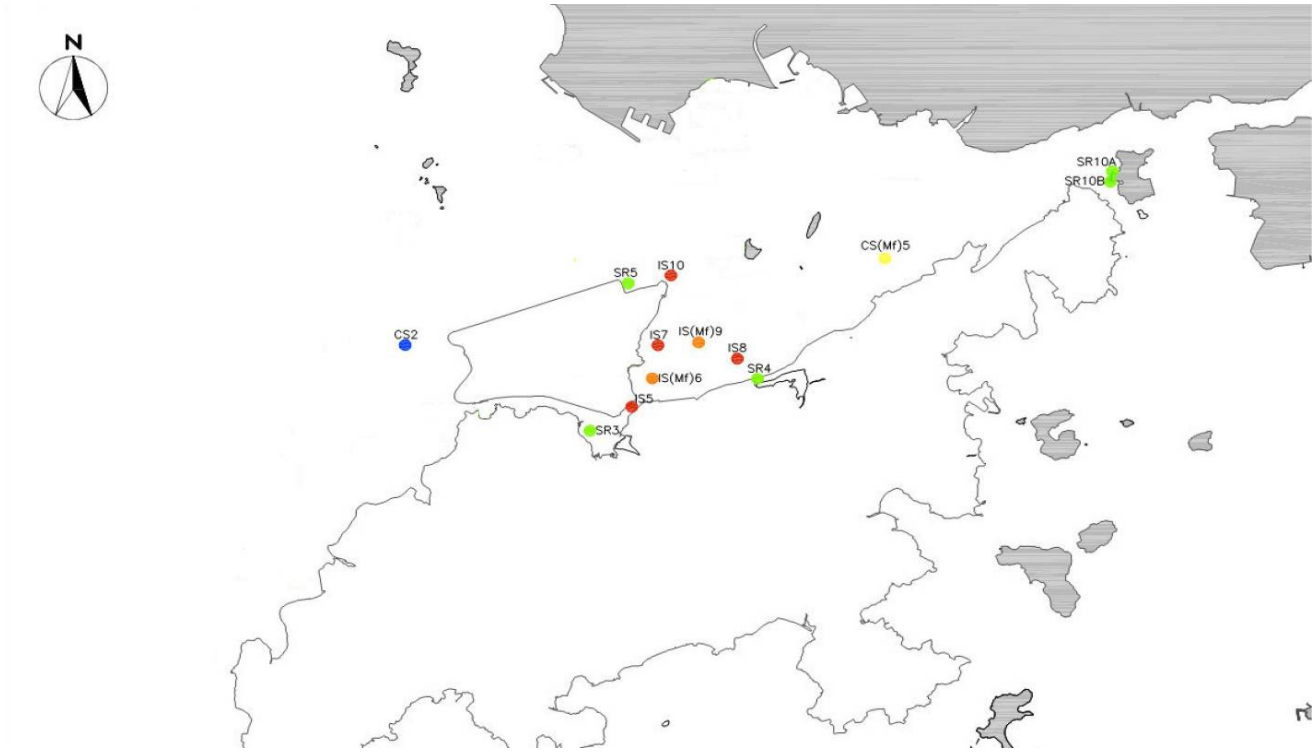
   The measured values at stations IS5, IS(Mf)6, IS7, IS10, SR3, SR4 and SR5 were within the ranges of suspended solid during baseline monitoring for mid-ebb tide and mid-flood tide.
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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

**Actions taken/ to be taken:**

As the suspended solid 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 : 18 March 2013

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.: 123

**Date of Notification:** 25 March 2013

**Works Inspected:** Data collected from water sampling works on 13 March 2013 and the results were issued on 14 March 2013

**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 (NTU) | LL (NTU) | MEASURED AT MID-EBB TIDE (NTU) | MEASURED AT MID-FLOOD TIDE (NTU) |
|---|---|---|---|---|---|---|
| TURB | IS(Mf)6 | DA | **27.5** or 120% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 6.73 x 120% = **8.1** for mid ebb AND CS(Mf)5: 6.17 x 120% = **7.4** for mid flood) | **47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 6.73 x 130% = **8.8** for mid ebb AND CS(Mf)5: 6.17 x 130% = **8.0** for mid flood) | 5.6 | ***9.2*** |
| TURB | IS7 | DA | | | 4.8 | ***8.4*** |
| TURB | IS(Mf)9 | DA | | | 4.5 | ***10.4*** |

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 13 March 2013, LL exceedances at stations IS(Mf)6, IS7 and IS(Mf)9 were recorded during mid-flood tide.

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

1. Installation of stone column and rock filling were carried within silt curtain as recommended in the EIA Report.
2. The range of turbidity at stations IS(Mf)6, IS7 and IS(Mf)9 during the baseline monitoring is shown as below:

| Station | Range of Turbidity(NTU) Mid-Ebb Tide | | | Range of Turbidity(NTU) Mid-Flood Tide | | |
|---|---|---|---|---|---|---|
| IS(Mf)6 | 3.3 | to | 21.7 | 5.3 | to | 20.9 |
| IS7 | 3.4 | to | 20 | 5 | to | 19.4 |
| IS(Mf)9 | 2.7 | to | 17 | 3.4 | to | 22.6 |

The measured values at stations IS(Mf)6, IS7 and IS(Mf)9 were within the range of turbidity for mid-ebb tide and mid-flood tide during baseline monitoring.

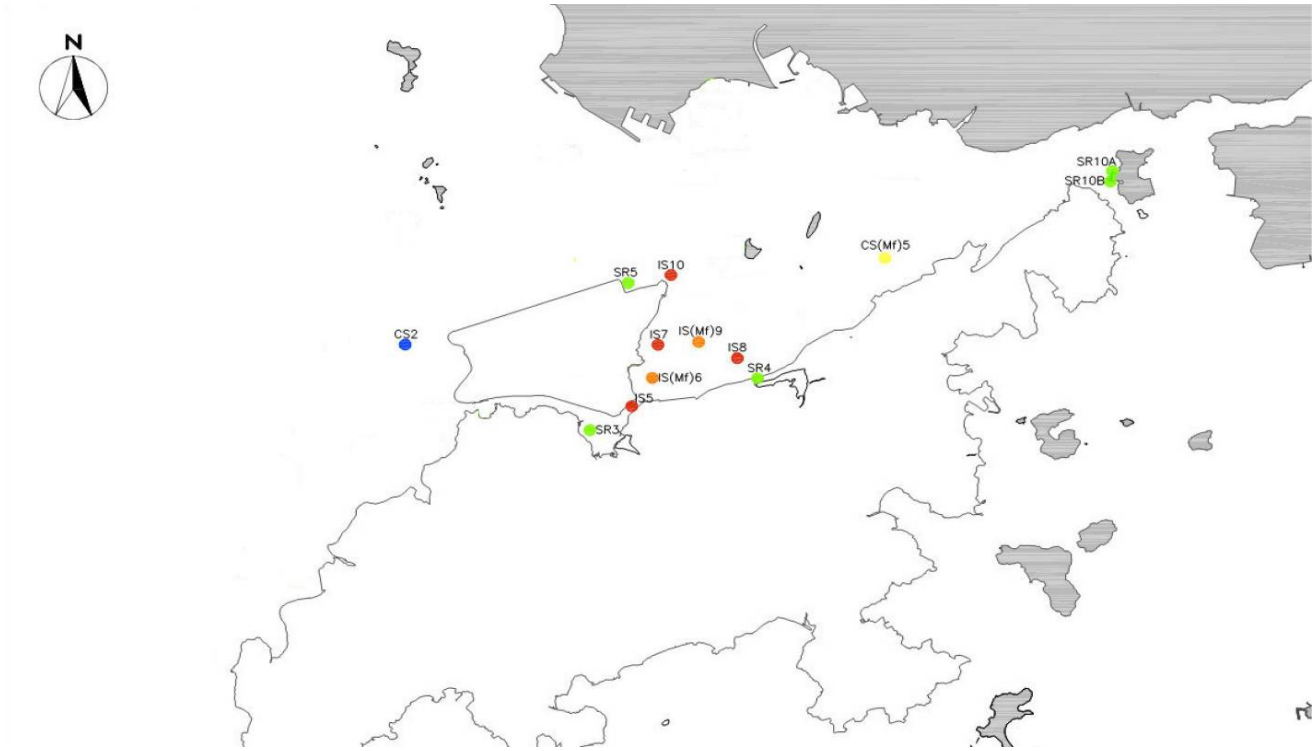
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

As such, the turbidity levels are considered to be attributed to other external factors such as sea condition, rather than the contract works.

**Actions taken/ to be taken:**

As the turbidity 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 : 25 March 2013

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.: 124

**Date of Notification:** 25 March 2013

**Works Inspected:** Data collected from water sampling works on 8 March 2013 and the test report was issued on 15 March 2013.

**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** or 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 4.35 x 120% = **5.2** mg/L for mid ebb) AND CS(Mf)5: 3.65 x 120% = **4.4** mg/L for mid flood) | **34.4** or 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 4.35 x 130% = **5.7** mg/L for mid ebb) AND CS(Mf)5: 3.65 x 130% = **4.7** mg/L for mid flood) | ***6.5*** | 4.3 |
| SS | IS7 | DA | | | 4.3 | ***6.0*** |
| SS | IS(Mf)9 | DA | | | 4.3 | ***4.9*** |
| SS | SR4 | DA | | | ***5.7*** | ***4.5*** |
| SS | SR10B | DA | | | 4.4 | ***4.7*** |

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 8 March 2013, an AL exceedence at station SR4 and a LL exceedance at station IS(Mf)6 were recorded during mid-ebb tide. AL exceedandces at stations SR4 and SR10B and LL exceedances at stations IS7 and IS(Mf)9 were recorded during mid-flood tide.

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

1. Installation of stone column was carried within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at stations IS(Mf)6, IS7, IS(Mf)9, SR4 and SR10B 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 |
| IS7 | 6.1 | to | 21 | 7.8 | to | 34 |
| IS(Mf)9 | 5.5 | to | 20.1 | 7.3 | to | 26 |
| SR4 | 5.3 | to | 20 | 5.6 | to | 24.5 |
| SR10B | 3.1 | to | 30.8 | 5.7 | to | 26.7 |

The measured values at stations IS(Mf)6, IS7, IS(Mf)9, SR4 and SR10B were within the ranges of suspended solid during baseline monitoring for mid-ebb tide and mid-flood tide.

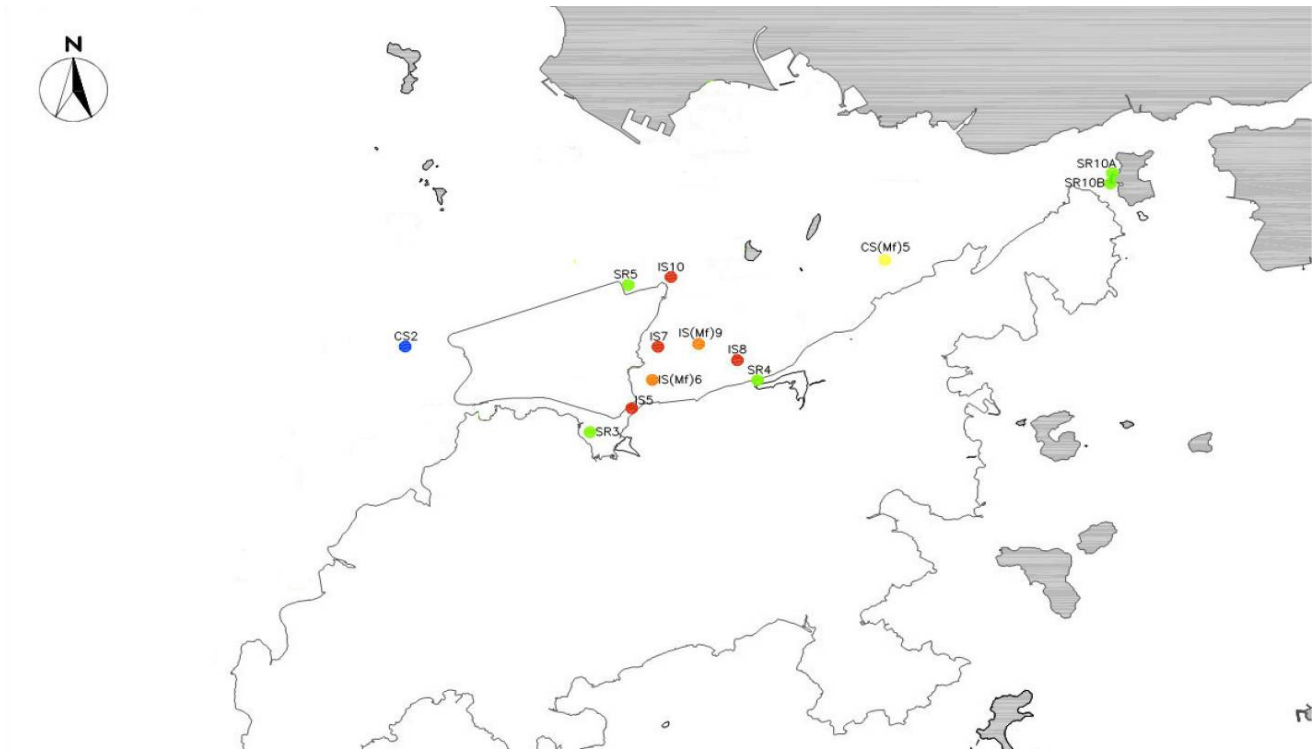
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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

**Actions taken/ to be taken:**

As the suspended solid 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 : 25 March 2013

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.: 125

**Date of Notification:** 25 March 2013

**Works Inspected:** Data collected from water sampling works on 11 March 2013 and the test report was issued on 18 March 2013.

**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 | IS5 | DA | **23.5** or 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 5.88 x 120% = **7.1** mg/L for mid ebb) AND CS(Mf)5: 4.2 x 120% = **5.0** mg/L for mid flood) | **34.4** or 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 5.88 x 130% = **7.6** mg/L for mid ebb) AND CS(Mf)5: 4.2 x 130% = **5.5** mg/L for mid flood) | 5.6 | ***5.6*** |
| SS | IS(Mf)6 | DA | | | 5.4 | ***5.4*** |
| SS | IS7 | DA | | | 6.1 | ***7.5*** |
| SS | IS8 | DA | | | 3.1 | ***9.2*** |
| SS | IS(Mf)9 | DA | | | 4.4 | ***6.0*** |
| SS | IS10 | DA | | | 3.3 | ***9.6*** |
| SS | SR3 | DA | | | 4.3 | ***7.1*** |
| SS | SR4 | DA | | | 3.9 | ***10.2*** |
| SS | SR5 | DA | | | 4.8 | ***6.2*** |

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 March 2013, an AL exceedandce at station IS(Mf)6 and LL exceedances at stations IS5, IS7, IS8, IS(Mf)9, IS10, SR3, SR4 and SR5 were recorded during mid-flood tide.

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

1. Installation of stone column was carried within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4 and 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 | | |
|---|---|---|---|---|---|---|
| IS5 | 8.1 | to | 25.7 | 7 | to | 23.7 |
| IS(Mf)6 | 7.1 | to | 19 | 8.5 | to | 35 |
| IS7 | 6.1 | to | 21 | 7.8 | to | 34 |
| IS8 | 5.5 | to | 25.5 | 5.8 | to | 31.3 |
| IS(Mf)9 | 5.5 | to | 20.1 | 7.3 | to | 26 |
| IS10 | 6.1 | to | 20.2 | 7.2 | to | 16 |
| SR3 | 6.7 | to | 31 | 7.6 | to | 28 |
| SR4 | 5.3 | to | 20 | 5.6 | to | 24.5 |
| SR5 | 6.7 | to | 16.5 | 6.5 | to | 31.2 |

   The measured values at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4 and SR5 were within the ranges of suspended solid during baseline monitoring for mid-ebb tide and mid-flood tide.
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the

monitoring results.

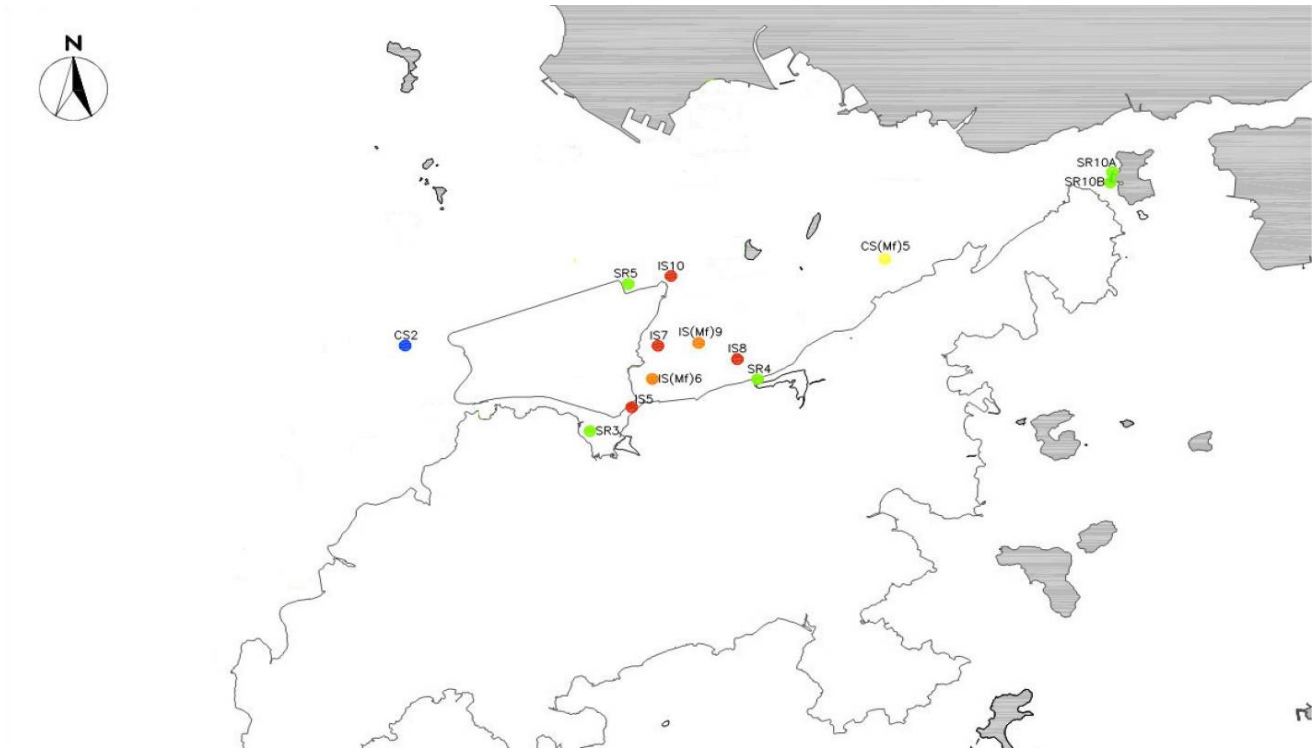
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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

**Actions taken/ to be taken:**

As the suspended solid 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 : 25 March 2013

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.: 126

**Date of Notification:** 25 March 2013

**Works Inspected:** Data collected from water sampling works on 13 March 2013 and the test report was issued on 20 March 2013.

**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 | IS5 | DA | **23.5** or 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 5.17 x 120% = **6.2** mg/L for mid ebb) AND CS(Mf)5: 3.12 x 120% = **3.7** mg/L for mid flood) | **34.4** or 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 5.17 x 130% = **6.7** mg/L for mid ebb) AND CS(Mf)5: 3.12 x 130% = **4.1** mg/L for mid flood) | 3.2 | ***4.5*** |
| SS | IS(Mf)6 | DA | | | 4.3 | ***11.0*** |
| SS | IS7 | DA | | | 1.5 | ***7.3*** |
| SS | IS8 | DA | | | 4.1 | ***6.4*** |
| SS | IS(Mf)9 | DA | | | 5.0 | ***12.2*** |
| SS | IS10 | DA | | | 3.7 | ***4.6*** |
| SS | SR3 | DA | | | 3.9 | ***5.5*** |
| SS | SR4 | DA | | | 3.1 | ***6.0*** |

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 13 March 2013, LL exceedances at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3 and SR4 were recorded during mid-flood tide.

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

1. Installation of stone column and rock filling were carried within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3 and SR4 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 | | |
|---|---|---|---|---|---|---|
| IS5 | 8.1 | to | 25.7 | 7 | to | 23.7 |
| IS(Mf)6 | 7.1 | to | 19 | 8.5 | to | 35 |
| IS7 | 6.1 | to | 21 | 7.8 | to | 34 |
| IS8 | 5.5 | to | 25.5 | 5.8 | to | 31.3 |
| IS(Mf)9 | 5.5 | to | 20.1 | 7.3 | to | 26 |
| IS10 | 6.1 | to | 20.2 | 7.2 | to | 16 |
| SR3 | 6.7 | to | 31 | 7.6 | to | 28 |
| SR4 | 5.3 | to | 20 | 5.6 | to | 24.5 |

The measured values at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3 and SR4 were within the ranges of suspended solid during baseline monitoring for mid-ebb tide and mid-flood tide.

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

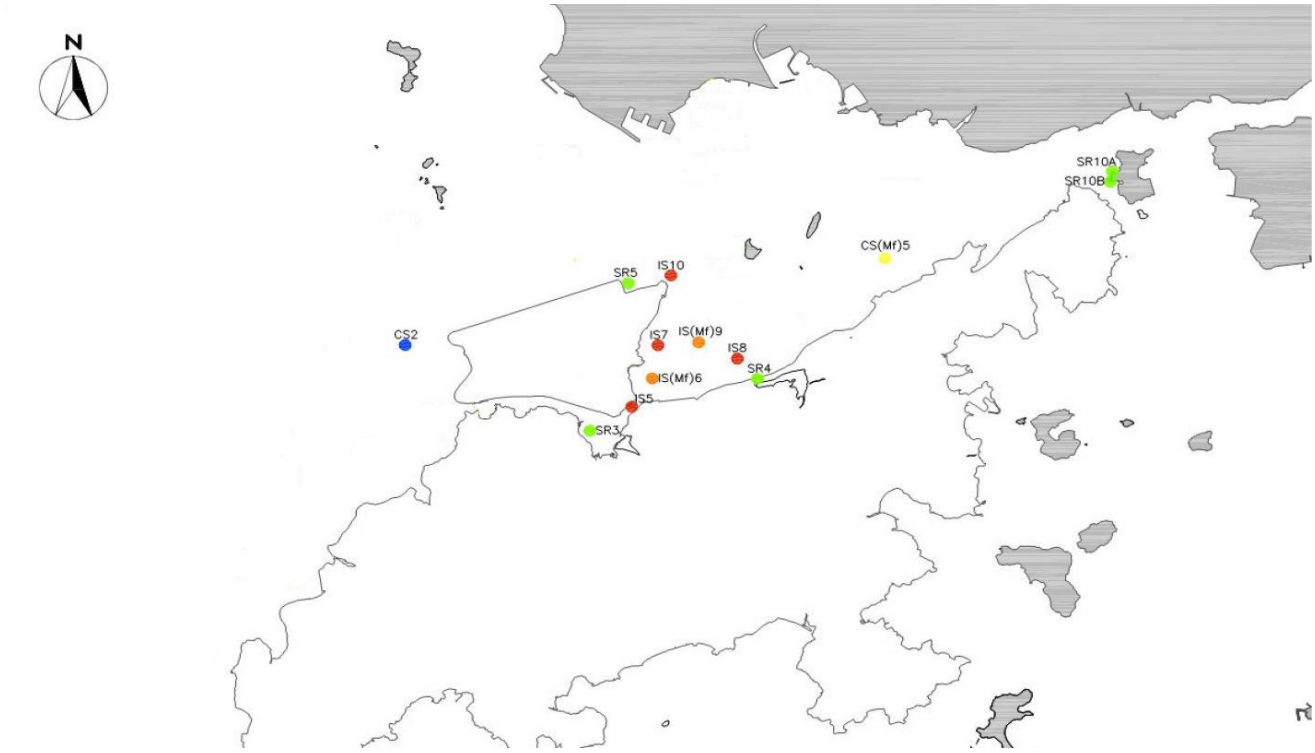
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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

**Actions taken/ to be taken:**

As the suspended solid 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 : 25 March 2013

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.: 127

**Date of Notification:** 25 March 2013

**Works Inspected:** Data collected from water sampling works on 15 March 2013 and the results were issued on 18 March 2013

**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 (NTU) | LL (NTU) | MEASURED AT MID-EBB TIDE (NTU) | MEASURED AT MID-FLOOD TIDE (NTU) |
|---|---|---|---|---|---|---|
| TURB | IS(Mf)6 | DA | **27.5** or 120% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 6.77 x 120% = **8.1** for mid ebb AND CS(Mf)5: 3.05 x 120% = **3.7** for mid flood) | **47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 6.77 x 130% = **8.8** for mid ebb AND CS(Mf)5: 3.05 x 130% = **4.0** for mid flood) | 5.8 | ***3.9*** |
| TURB | IS7 | DA | | | 2.9 | ***4.3*** |
| TURB | IS8 | DA | | | 3.6 | ***5.1*** |
| TURB | IS(Mf)9 | DA | | | 3.7 | ***9.7*** |
| TURB | IS10 | DA | | | 6.4 | ***7.3*** |
| TURB | SR3 | DA | | | 3.2 | ***4.1*** |
| TURB | SR5 | DA | | | 4.4 | ***13.6*** |

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 15 March 2013, an AL exceedance at station IS(Mf)6 and LL exceedances at stations IS7, IS8, IS(Mf)9, IS10, SR3 and SR5 were recorded during mid-flood tide.

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

1. Installation of stone column and rock filling were carried within silt curtain as recommended in the EIA Report.
2. The range of turbidity at stations IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3 and SR5 during the baseline monitoring is shown as below:

| Station | Range of Turbidity(NTU) Mid-Ebb Tide | | | Range of Turbidity(NTU) Mid-Flood Tide | | |
|---|---|---|---|---|---|---|
| IS(Mf)6 | 3.3 | to | 21.7 | 5.3 | to | 20.9 |
| IS7 | 3.4 | to | 20 | 5 | to | 19.4 |
| IS8 | 4 | to | 12.2 | 4.5 | to | 24.5 |
| IS(Mf)9 | 2.7 | to | 17 | 3.4 | to | 22.6 |
| IS10 | 6.7 | to | 14.7 | 8.4 | to | 20.8 |
| SR3 | 4.6 | to | 65.7 | 7.7 | to | 19.7 |
| SR5 | 5.2 | to | 12.4 | 7.1 | to | 30.9 |

The measured values at stations IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3 and SR5 were within the range of turbidity for mid-ebb tide and mid-flood tide during baseline monitoring.

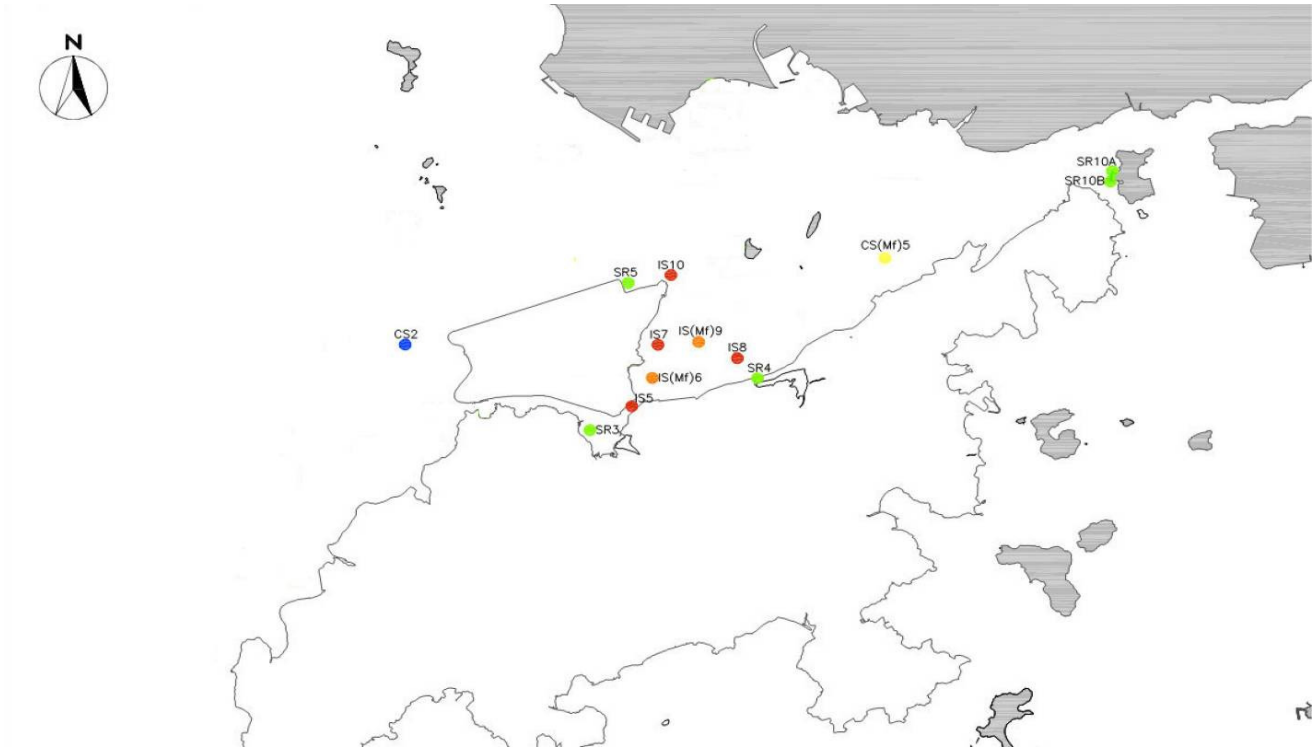
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

As such, the turbidity levels are considered to be attributed to other external factors such as sea condition, rather than the contract works.

**Actions taken/ to be taken:**

As the turbidity 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 : 25 March 2013

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.: 128

**Date of Notification:** 25 March 2013

**Works Inspected:** Data collected from water sampling works on 15 March 2013 and the test report was issued on 22 March 2013.

**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** or 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 4.32 x 120% = **5.2** mg/L for mid ebb) AND CS(Mf)5: 3.20 x 120% = **3.8** mg/L for mid flood) | **34.4** or 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 4.32 x 130% = **5.6** mg/L for mid ebb) AND CS(Mf)5: 3.20 x 130% = **4.2** mg/L for mid flood) | 4.3 | ***4.5*** |
| SS | IS7 | DA | | | 3.5 | ***5.7*** |
| SS | IS8 | DA | | | 3.7 | ***5.9*** |
| SS | IS(Mf)9 | DA | | | 3.4 | ***12.0*** |
| SS | IS10 | DA | | | 3.5 | ***6.9*** |
| SS | SR3 | DA | | | 3.9 | ***4.6*** |
| SS | SR5 | DA | | | 4.5 | ***13.0*** |

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 15 March 2013, LL exceedances at stations IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3 and SR5 were recorded during mid-flood tide.

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

1. Installation of stone column and rock filling were carried within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at stations IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3 and 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 | | |
|---|---|---|---|---|---|---|
| IS(Mf)6 | 7.1 | to | 19 | 8.5 | to | 35 |
| IS7 | 6.1 | to | 21 | 7.8 | to | 34 |
| IS8 | 5.5 | to | 25.5 | 5.8 | to | 31.3 |
| IS(Mf)9 | 5.5 | to | 20.1 | 7.3 | to | 26 |
| IS10 | 6.1 | to | 20.2 | 7.2 | to | 16 |
| SR3 | 6.7 | to | 31 | 7.6 | to | 28 |
| SR5 | 6.7 | to | 16.5 | 6.5 | to | 31.2 |

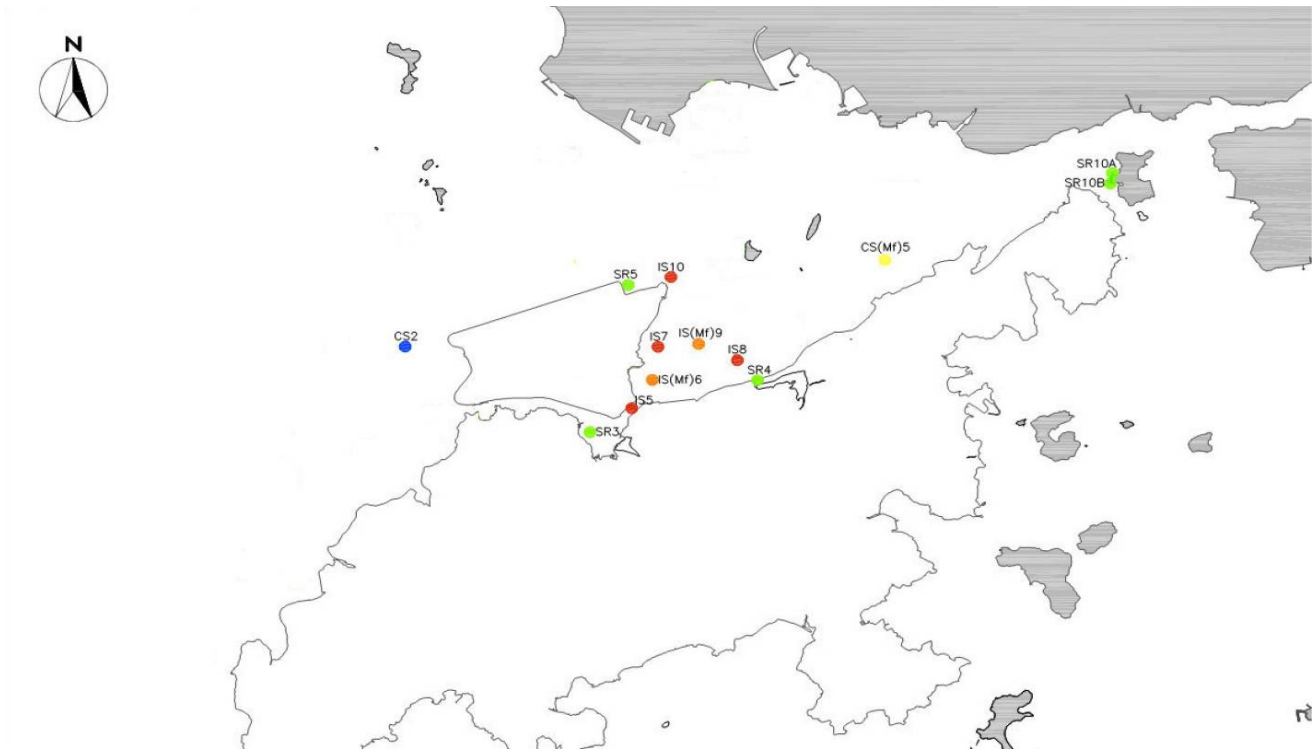
   The measured values at stations IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3 and SR5 were within the ranges of suspended solid during baseline monitoring for mid-ebb tide and mid-flood tide.
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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

**Actions taken/ to be taken:**

As the suspended solid 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 : 25 March 2013

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.: 129

**Date of Notification:** 2 April 2013

**Works Inspected:** Data collected from water sampling works on 18 March 2013 and the results were issued on 19 March 2013

**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 (NTU) | LL (NTU) | MEASURED AT MID-EBB TIDE (NTU) | MEASURED AT MID-FLOOD TIDE (NTU) |
|---|---|---|---|---|---|---|
| TURB | IS5 | DA | **27.5** or 120% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 5.68 x 120% = **6.8** for mid ebb AND CS(Mf)5: 3.48 x 120% = **4.2** for mid flood) | **47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 5.68 x 130% = **7.4** for mid ebb AND CS(Mf)5: 3.48 x 130% = **4.5** for mid flood) | 4.7 | ***5.2*** |
| TURB | IS(Mf)9 | DA | | | 3.2 | ***4.4*** |
| TURB | SR3 | DA | | | 4.4 | ***4.9*** |
| TURB | SR5 | DA | | | ***8.8*** | ***4.3*** |

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 18 March 2013, a LL exceedance at station SR5 was recorded during mid-ebb tide. An AL exceedance at station IS(Mf)9 , SR5 and LL exceedances at stations IS5 and SR3 were recorded during mid-flood tide.

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

1. Installation of stone column and rock filling were carried within silt curtain as recommended in the EIA Report.
2. The range of turbidity at stations IS5, IS(Mf)9, SR3 and SR5 during the baseline monitoring is shown as below:

| Station | Range of Turbidity(NTU) Mid-Ebb Tide | | | Range of Turbidity(NTU) Mid-Flood Tide | | |
|---|---|---|---|---|---|---|
| IS5 | 5.8 | to | 19.2 | 5.7 | to | 21.4 |
| IS(Mf)9 | 2.7 | to | 17 | 3.4 | to | 22.6 |
| SR3 | 4.6 | to | 65.7 | 7.7 | to | 19.7 |
| SR5 | 5.2 | to | 12.4 | 7.1 | to | 30.9 |

The measured values at stations IS5, IS(Mf)9, SR3 and SR5 were within the range of turbidity for mid-ebb tide and mid-flood tide during baseline monitoring.

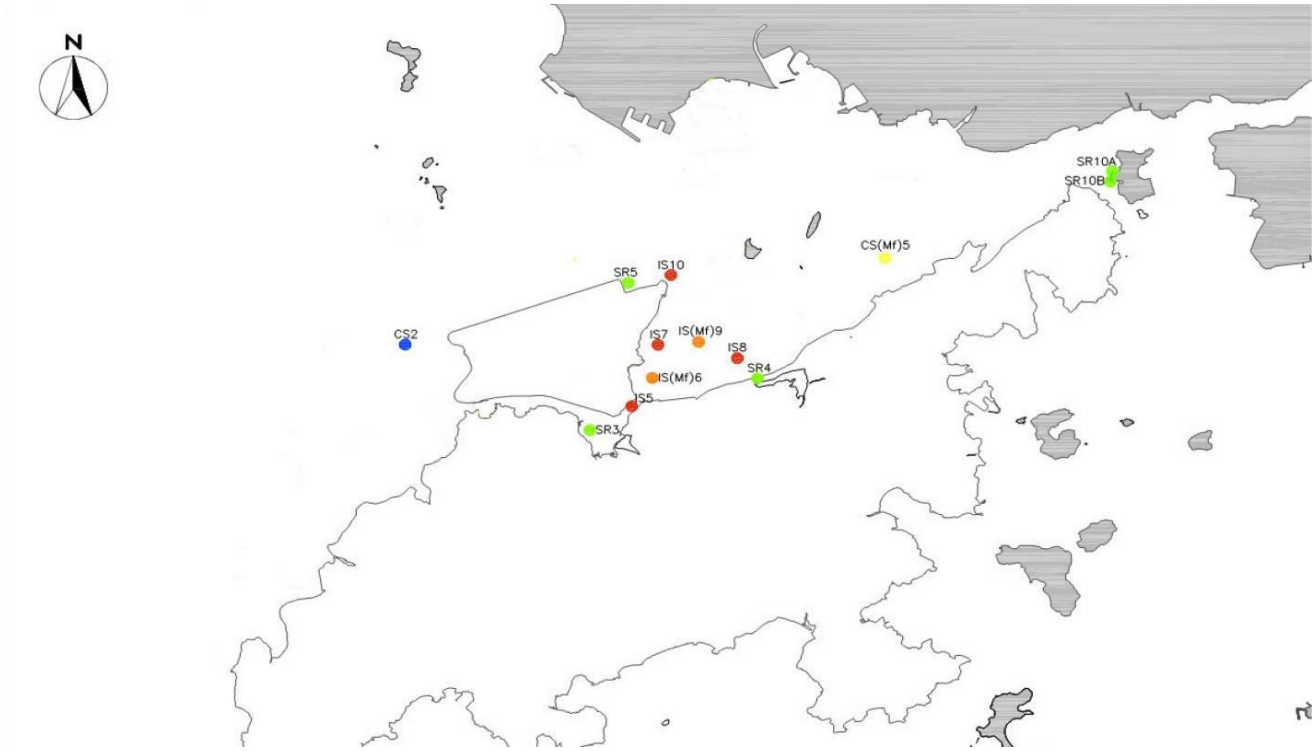
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

As such, the turbidity levels are considered to be attributed to other external factors such as sea condition, rather than the contract works.

**Actions taken/ to be taken:**

As the turbidity 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 : 2 April 2013

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.: 130

**Date of Notification:** 2 April 2013

**Works Inspected:** Data collected from water sampling works on 18 March 2013 and the test report was issued on 25 March 2013.

**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 | IS5 | DA | **23.5** or 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 4.17 x 120% = **5.0** mg/L for mid ebb) AND CS(Mf)5: 3.70 x 120% = **4.4** mg/L for mid flood) | **34.4** or 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 4.17 x 130% = **5.4** mg/L for mid ebb) AND CS(Mf)5: 3.70 x 130% = **4.8** mg/L for mid flood) | 5.0 | ***4.7*** |
| SS | IS8 | DA | | | 3.7 | ***6.8*** |
| SS | SR5 | DA | | | ***7.6*** | 4.0 |
| SS | SR10B | DA | | | 2.5 | ***4.5*** |

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 18 March 2013, a LL exceedance at station SR5 was recorded during mid-ebb tide. AL exceedances at stations IS5 and SR10B and LL exceedance at station IS8 were recorded during mid-flood tide.

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

1. Installation of stone column and rock filling were carried within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at stations IS5, IS8, SR5 and SR10B 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 | | |
|---|---|---|---|---|---|---|
| IS5 | 8.1 | to | 25.7 | 7 | to | 23.7 |
| IS8 | 5.5 | to | 25.5 | 5.8 | to | 31.3 |
| SR5 | 6.7 | to | 16.5 | 6.5 | to | 31.2 |
| SR10B | 3.1 | to | 30.8 | 5.7 | to | 26.7 |

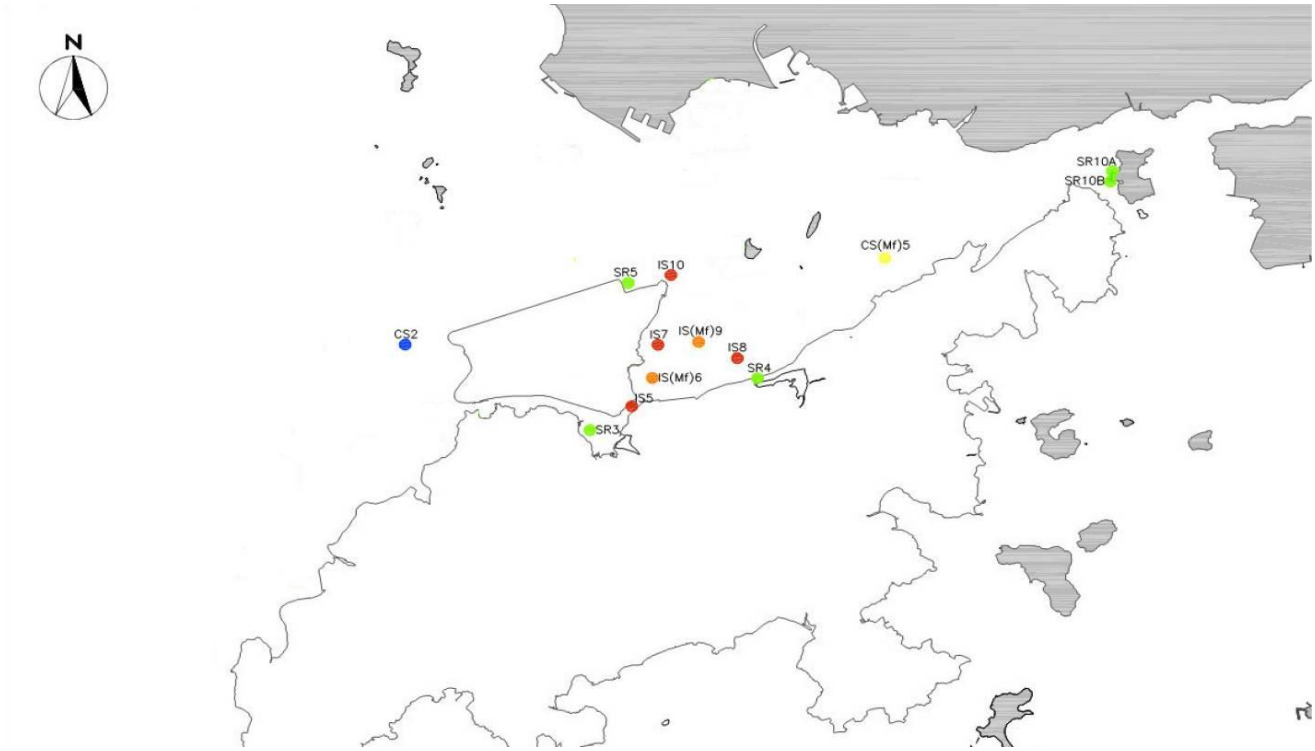
   The measured values at stations IS5, IS8, SR5 and SR10B were within the ranges of suspended solid during baseline monitoring for mid-ebb tide and mid-flood tide.
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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

**Actions taken/ to be taken:**

As the suspended solid 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 : 2 April 2013

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.: 131

**Date of Notification:** 2 April 2013

**Works Inspected:** Data collected from water sampling works on 20 March 2013 and the results were issued on 25 March 2013

**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 (NTU) | LL (NTU) | MEASURED AT MID-EBB TIDE (NTU) | MEASURED AT MID-FLOOD TIDE (NTU) |
|---|---|---|---|---|---|---|
| TURB | IS5 | DA | **27.5** or 120% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 4.92 x 120% = **5.9** for mid ebb AND CS(Mf)5: 2.12 x 120% = **2.5** for mid flood) | **47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 4.92 x 130% = **6.4** for mid ebb AND CS(Mf)5: 2.12 x 130% = **2.8** for mid flood) | 4.2 | ***4.2*** |
| TURB | IS(Mf)6 | DA | | | 3.8 | ***8.9*** |
| TURB | IS7 | DA | | | 3.4 | ***3.9*** |
| TURB | IS8 | DA | | | ***6.1*** | ***7.5*** |
| TURB | IS(Mf)9 | DA | | | 5.3 | ***4.3*** |
| TURB | IS10 | DA | | | 4.1 | ***4.8*** |
| TURB | SR3 | DA | | | 2.7 | ***3.7*** |
| TURB | SR4 | DA | | | ***6.3*** | ***4.2*** |
| TURB | SR5 | DA | | | 4.3 | ***4.8*** |

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 20 March 2013, AL exceedance at station IS8 and SR4 were recorded during mid-ebb tide. LL exceedance at station IS5, IS(Mf)6, IS7, IS8, IS(Mf)9 , SR10, SR3, SR4, SR5 were recorded during mid-flood tide.

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

1. Installation of stone column and rock filling were carried within silt curtain as recommended in the EIA Report.
2. The range of turbidity at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4 and SR5 during the baseline monitoring is shown as below:

| Station | Range of Turbidity(NTU) Mid-Ebb Tide | | | Range of Turbidity(NTU) Mid-Flood Tide | | |
|---|---|---|---|---|---|---|
| IS5 | 5.8 | to | 19.2 | 5.7 | to | 21.4 |
| IS(Mf)6 | 3.3 | to | 21.7 | 5.3 | to | 20.9 |
| IS7 | 3.4 | to | 20 | 5 | to | 19.4 |
| IS8 | 4 | to | 12.2 | 4.5 | to | 24.5 |
| IS(Mf)9 | 2.7 | to | 17 | 3.4 | to | 22.6 |
| IS10 | 6.7 | to | 14.7 | 8.4 | to | 20.8 |
| SR3 | 4.6 | to | 65.7 | 7.7 | to | 19.7 |
| SR4 | 5.2 | to | 18.9 | 5 | to | 20.6 |
| SR5 | 5.2 | to | 12.4 | 7.1 | to | 30.9 |

The measured values at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4 and SR5 were within the range of turbidity for mid-ebb tide and mid-flood tide during baseline monitoring.

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

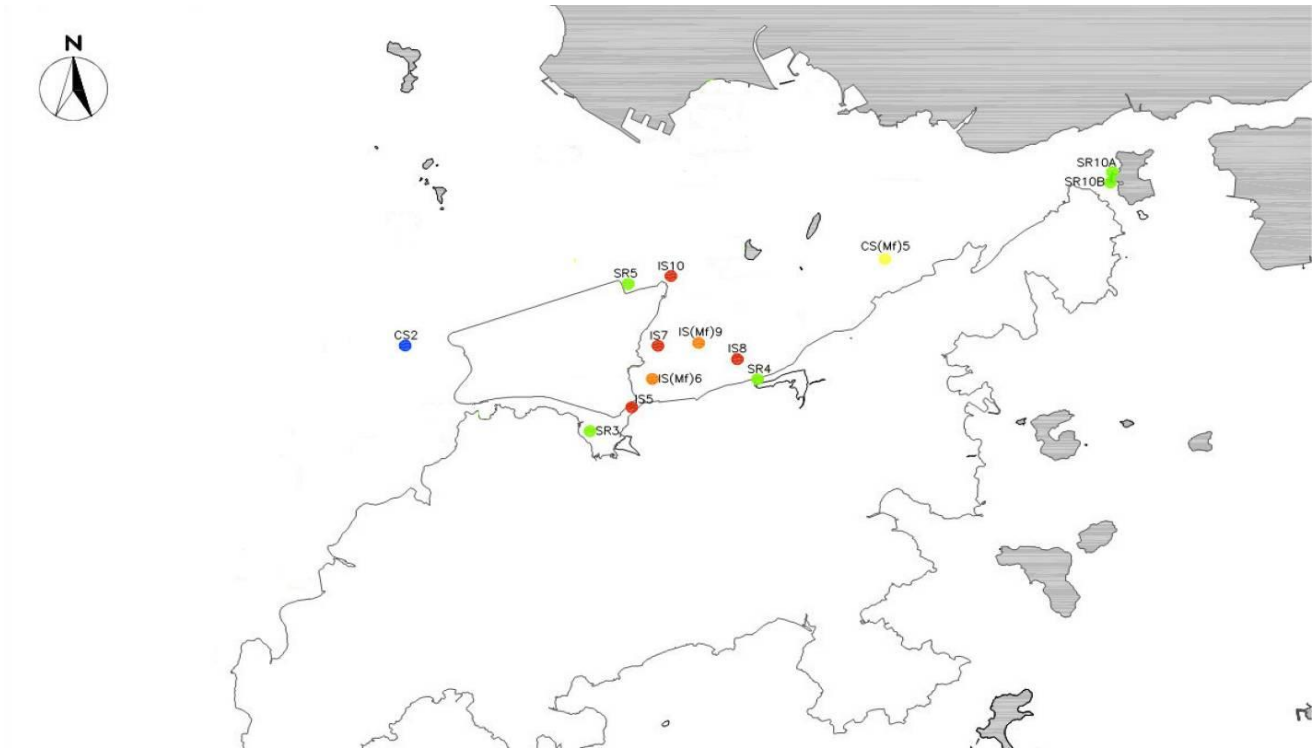
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

As such, the turbidity levels are considered to be attributed to other external factors such as sea condition, rather than the contract works.

**Actions taken/ to be taken:**

As the turbidity 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 April 2013

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.: 132

**Date of Notification:** 2 April 2013

**Works Inspected:** Data collected from water sampling works on 20 March 2013 and the test report was issued on 27 March 2013.

**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 | IS5 | DA | **23.5** or 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 3.65 x 120% = **4.4** mg/L for mid ebb) AND CS(Mf)5: 2.67 x 120% = **3.2** mg/L for mid flood) | **34.4** or 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 3.65 x 130% = **4.7** mg/L for mid ebb) AND CS(Mf)5: 2.67 x 130% = **3.5** mg/L for mid flood) | 2.8 | ***3.7*** |
| SS | IS8 | DA | | | ***6.3*** | 2.7 |
| SS | IS(Mf)9 | DA | | | ***5.4*** | ***3.6*** |
| SS | IS10 | DA | | | 3.0 | ***3.7*** |
| SS | SR3 | DA | | | 2.6 | ***3.8*** |
| SS | SR4 | DA | | | ***6.0*** | ***4.0*** |
| SS | SR5 | DA | | | 3.2 | ***3.6*** |
| SS | SR10B | DA | | | 2.7 | ***3.3*** |

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 20 March 2013, LL exceedance at stations IS8, IS(Mf)9 and SR4 were recorded during mid-ebb tide. AL exceedandce at station SR10B and LL exceedances at stations IS5, IS(Mf)9, IS10, SR3, SR4 and SR5 were recorded during mid-flood tide.

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

1. Installation of stone column and rock filling were carried within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at stations IS5, IS8, IS(Mf)9, IS10, SR3, SR4, SR5 and SR10B 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 | | |
|---|---|---|---|---|---|---|
| IS5 | 8.1 | to | 25.7 | 7 | to | 23.7 |
| IS8 | 5.5 | to | 25.5 | 5.8 | to | 31.3 |
| IS(Mf)9 | 5.5 | to | 20.1 | 7.3 | to | 26 |
| IS10 | 6.1 | to | 20.2 | 7.2 | to | 16 |
| SR3 | 6.7 | to | 31 | 7.6 | to | 28 |
| SR4 | 5.3 | to | 20 | 5.6 | to | 24.5 |
| SR5 | 6.7 | to | 16.5 | 6.5 | to | 31.2 |
| SR10B | 3.1 | to | 30.8 | 5.7 | to | 26.7 |

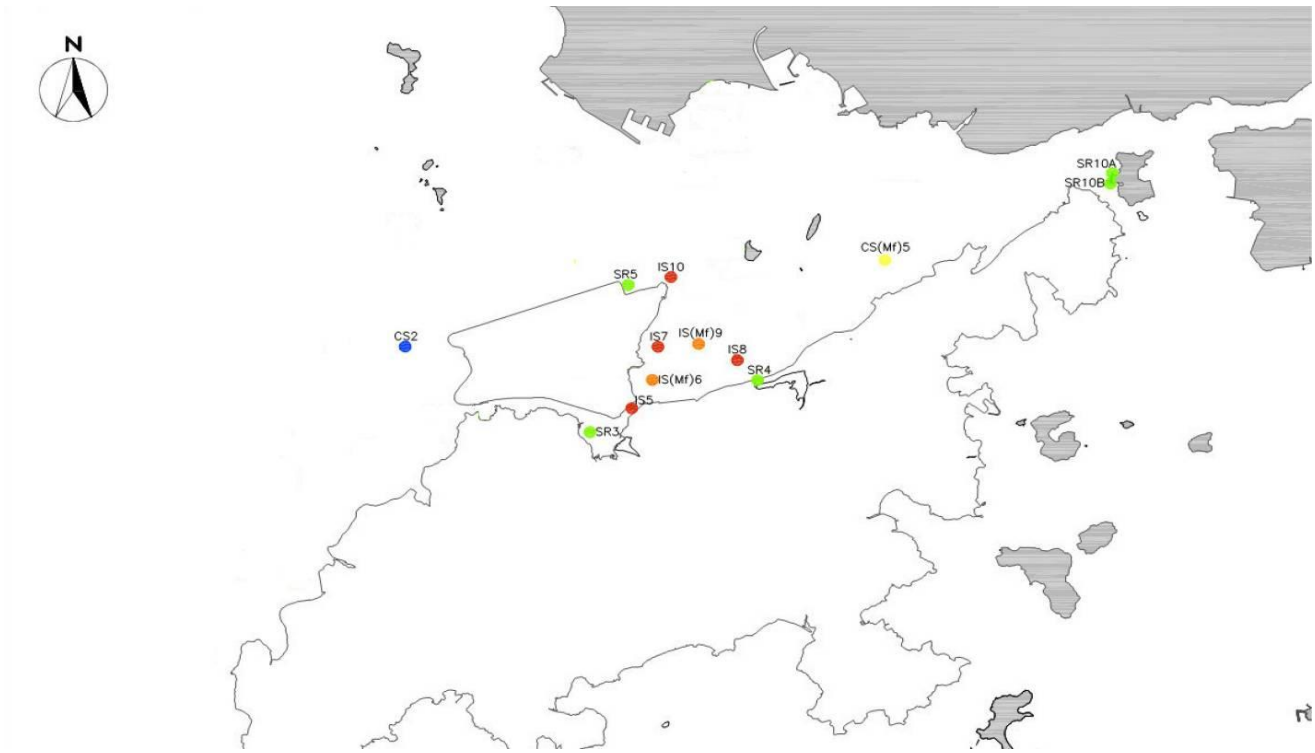
   The measured values at stations IS5, IS8, IS(Mf)9, IS10, SR3, SR4, SR5 and SR10B were within the ranges of suspended solid during baseline monitoring for mid-ebb tide and mid-flood tide.
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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

**Actions taken/ to be taken:**

As the suspended solid 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 April 2013

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.: 133

**Date of Notification:** 2 April 2013

**Works Inspected:** Data collected from water sampling works on 22 March 2013 and the results were issued on 25 March 2013

**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 (NTU) | LL (NTU) | MEASURED AT MID-EBB TIDE (NTU) | MEASURED AT MID-FLOOD TIDE (NTU) |
|---|---|---|---|---|---|---|
| TURB | IS5 | DA | **27.5** or 120% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 3.65 x 120% = **4.4** for mid ebb AND CS(Mf)5: 1.78 x 120% = **2.1** for mid flood) | **47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 3.65 x 130% = **4.7** for mid ebb AND CS(Mf)5: 1.78 x 130% = **2.3** for mid flood) | ***7.4*** | ***9.1*** |
| TURB | IS(Mf)6 | DA | | | ***4.9*** | ***4.0*** |
| TURB | IS7 | DA | | | 3.1 | ***3.5*** |
| TURB | IS8 | DA | | | ***5.3*** | ***5.1*** |
| TURB | IS(Mf)9 | DA | | | ***4.9*** | ***4.7*** |
| TURB | IS10 | DA | | | ***5.1*** | ***3.5*** |
| TURB | SR3 | DA | | | 3.5 | ***6.5*** |
| TURB | SR4 | DA | | | 4.0 | ***12.7*** |
| TURB | SR5 | DA | | | ***5.7*** | ***3.6*** |

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 22 March 2013, LL exceedances at stations IS5, IS(Mf)6, IS8, IS(Mf)9, IS10 and SR5 were recorded during mid-ebb tide. LL exceedances at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9 , SR10, SR3, SR4, SR5 were recorded during mid-flood tide.

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

1. Installation of sand and rock filling were carried within silt curtain as recommended in the EIA Report.
2. The range of turbidity at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4 and SR5 during the baseline monitoring is shown as below:

| Station | Range of Turbidity(NTU) Mid-Ebb Tide | | | Range of Turbidity(NTU) Mid-Flood Tide | | |
|---|---|---|---|---|---|---|
| IS5 | 5.8 | to | 19.2 | 5.7 | to | 21.4 |
| IS(Mf)6 | 3.3 | to | 21.7 | 5.3 | to | 20.9 |
| IS7 | 3.4 | to | 20 | 5 | to | 19.4 |
| IS8 | 4 | to | 12.2 | 4.5 | to | 24.5 |
| IS(Mf)9 | 2.7 | to | 17 | 3.4 | to | 22.6 |
| IS10 | 6.7 | to | 14.7 | 8.4 | to | 20.8 |
| SR3 | 4.6 | to | 65.7 | 7.7 | to | 19.7 |
| SR4 | 5.2 | to | 18.9 | 5 | to | 20.6 |
| SR5 | 5.2 | to | 12.4 | 7.1 | to | 30.9 |

The measured values at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4 and SR5 were within the range of turbidity for mid-ebb tide and mid-flood tide during baseline monitoring.

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

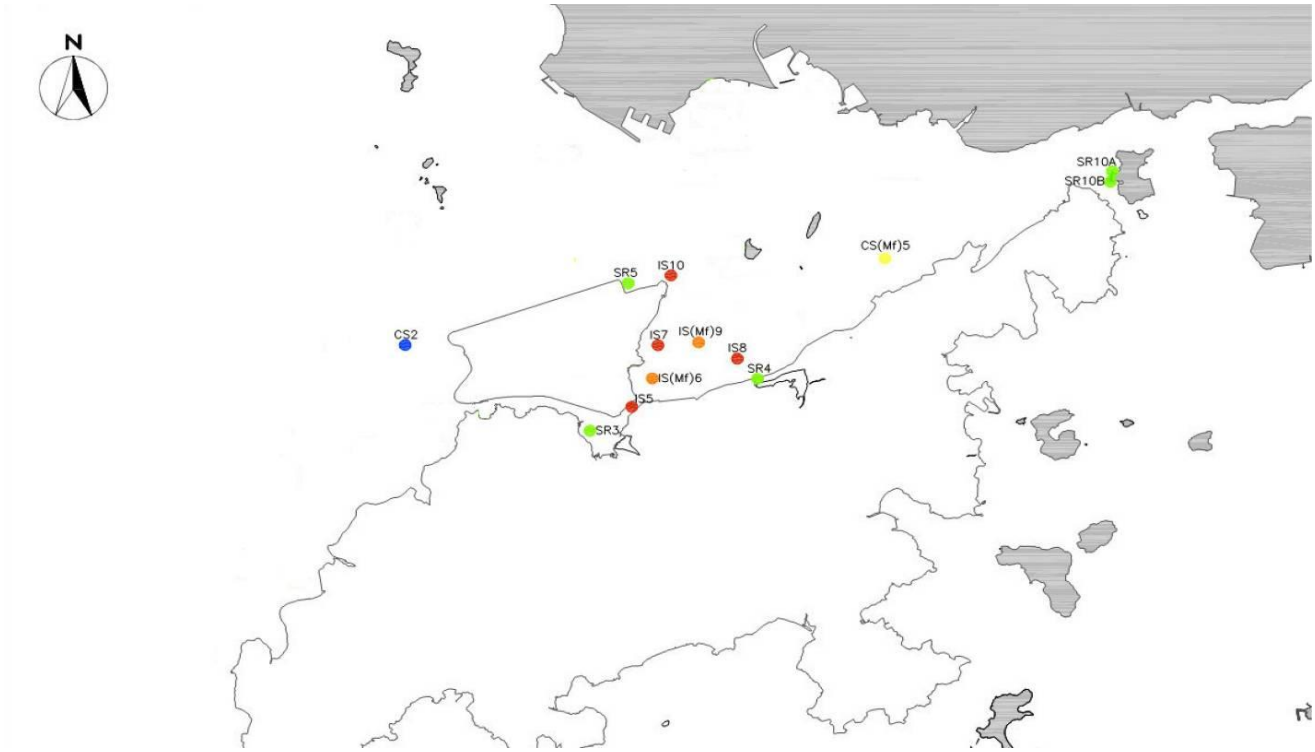
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

As such, the turbidity levels are considered to be attributed to other external factors such as sea condition, rather than the contract works.

**Actions taken/ to be taken:**

As the turbidity 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 April 2013

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.: 134

**Date of Notification:** 8 April 2013

**Works Inspected:** Data collected from water sampling works on 22 March 2013 and the test report was issued on 2 April 2013.

**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 | IS5 | DA | **23.5** or 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 4.95 x 120% = **5.9** mg/L for mid ebb) AND CS(Mf)5: 3.30 x 120% = **4.0** mg/L for mid flood) | **34.4** or 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 4.95 x 130% = **6.4** mg/L for mid ebb) AND CS(Mf)5: 3.30 x 130% = **4.3** mg/L for mid flood) | ***6.8*** | ***13.7*** |
| SS | IS(Mf)6 | DA | | | 4.7 | ***5.4*** |
| SS | IS7 | DA | | | 3.3 | ***4.4*** |
| SS | IS8 | DA | | | 3.2 | ***4.5*** |
| SS | IS(Mf)9 | DA | | | 4.8 | ***5.0*** |
| SS | SR3 | DA | | | 3.3 | ***8.3*** |
| SS | SR4 | DA | | | 4.4 | ***8.1*** |

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 22 March 2013, LL exceedance at station IS5 was recorded during mid-ebb tide. LL exceedandces at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, SR3 and SR4 were recorded during mid-flood tide.

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

1. Sand and rock filling were carried within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, SR3 and SR4 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 | | |
|---|---|---|---|---|---|---|
| IS5 | 8.1 | to | 25.7 | 7 | to | 23.7 |
| IS(Mf)6 | 7.1 | to | 19 | 8.5 | to | 35 |
| IS7 | 6.1 | to | 21 | 7.8 | to | 34 |
| IS8 | 5.5 | to | 25.5 | 5.8 | to | 31.3 |
| IS(Mf)9 | 5.5 | to | 20.1 | 7.3 | to | 26 |
| SR3 | 6.7 | to | 31 | 7.6 | to | 28 |
| SR4 | 5.3 | to | 20 | 5.6 | to | 24.5 |

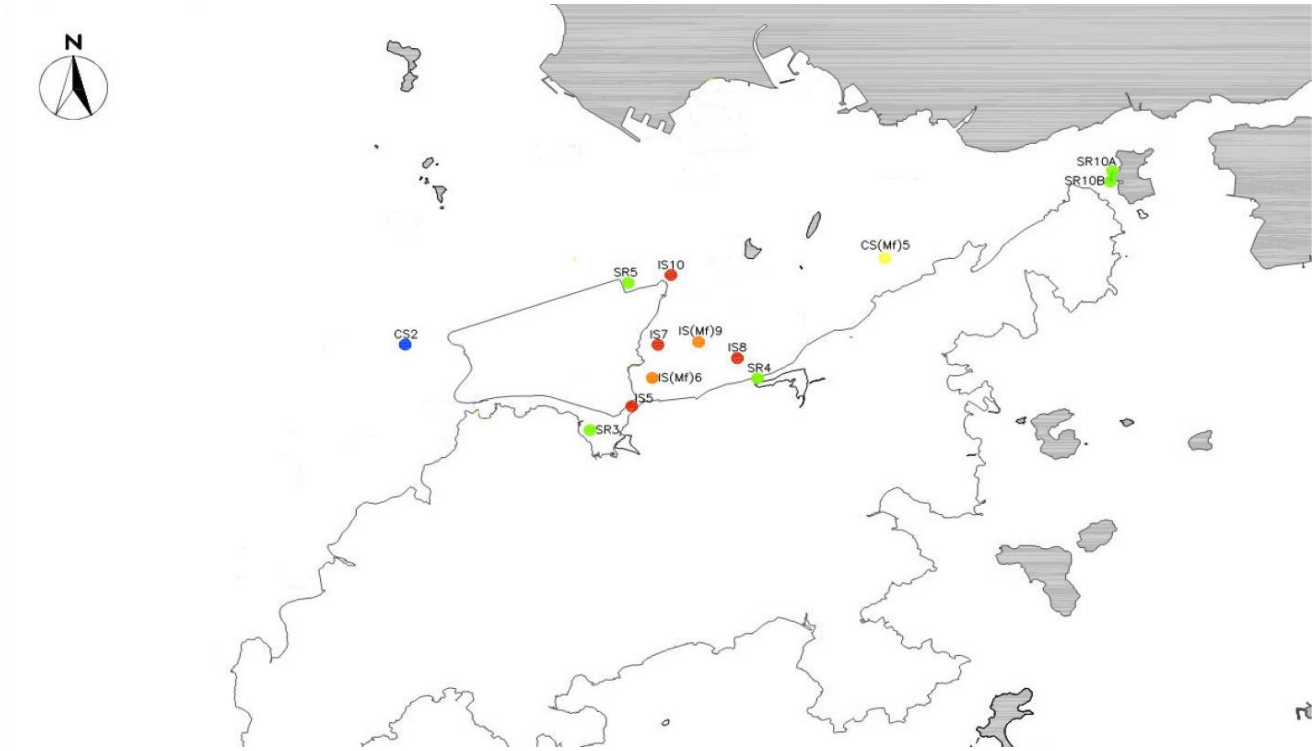
   The measured values at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, SR3 and SR4 were within the ranges of suspended solid during baseline monitoring for mid-ebb tide and mid-flood tide.
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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

**Actions taken/ to be taken:**

As the suspended solid 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 : 8 April 2013

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.: 135

**Date of Notification:** 8 April 2013

**Works Inspected:** Data collected from water sampling works on 25 March 2013 and the test report was issued on 5 April 2013.

**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 | IS7 | DA | **23.5** and 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 4.87 x 120% = **5.8** mg/L for mid ebb) AND CS(Mf)5: 2.60 x 120% = **3.1** 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: 4.87 x 130% = **6.3** mg/L for mid ebb) AND CS(Mf)5: 2.60 x 130% = **3.4** mg/L for mid flood) | 15.6 | ***28.9*** |

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 25 March 2013, an AL exceedance at station IS7 was recorded during mid-flood tide.

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

1. Installation of stone column on stone platform was carried within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at station IS7 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 | | |
|---|---|---|---|---|---|---|
| IS7 | 6.1 | to | 21 | 7.8 | to | 34 |

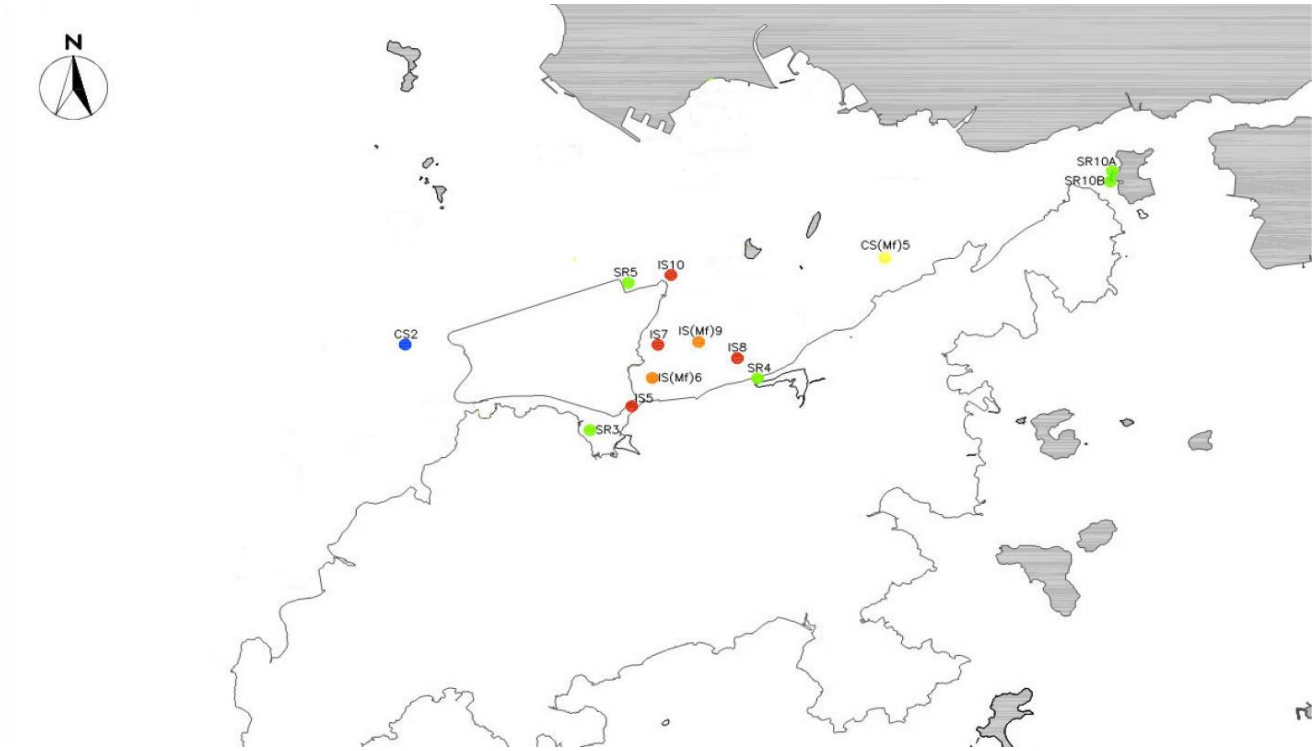
   The measured value at station IS7 was within the range of suspended solid during baseline monitoring for mid-ebb tide and mid-flood tide.
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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

**Actions taken/ to be taken:**

As the suspended solid 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 : 8 April 2013

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.: 136

**Date of Notification:** 15 April 2013

**Works Inspected:** Data collected from water sampling works on 29 March 2013 and the test report was issued on 10 April 2013.

**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)9 | DA | **23.5** and 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 7.62 x 120% = **9.1** mg/L for mid ebb) AND CS(Mf)5: 4.25 x 120% = **5.1** 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: 7.62 x 130% = **9.9** mg/L for mid ebb) AND CS(Mf)5: 4.25 x 130% = **5.5** mg/L for mid flood) | ***27.3*** | 14.1 |
| SS | SR5 | DA | | | 7.7 | ***34.9*** |

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 29 March 2013, an AL exceedance at station IS(Mf)9 was recorded during mid-ebb tide. An LL exceedandce at station SR5 was recorded during mid-flood tide.

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

1. Marine construction activities including rock filling, rock transfer and removal of temporary stone platform were carried within silt curtain (Zone 3A) as recommended in the EIA Report during the monitoring period.
2. The ranges of suspended solid at stations IS(Mf)9 and 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 | | |
|---|---|---|---|---|---|---|
| IS(Mf)9 | 5.5 | to | 20.1 | 7.3 | to | 26 |
| SR5 | 6.7 | to | 16.5 | 6.5 | to | 31.2 |

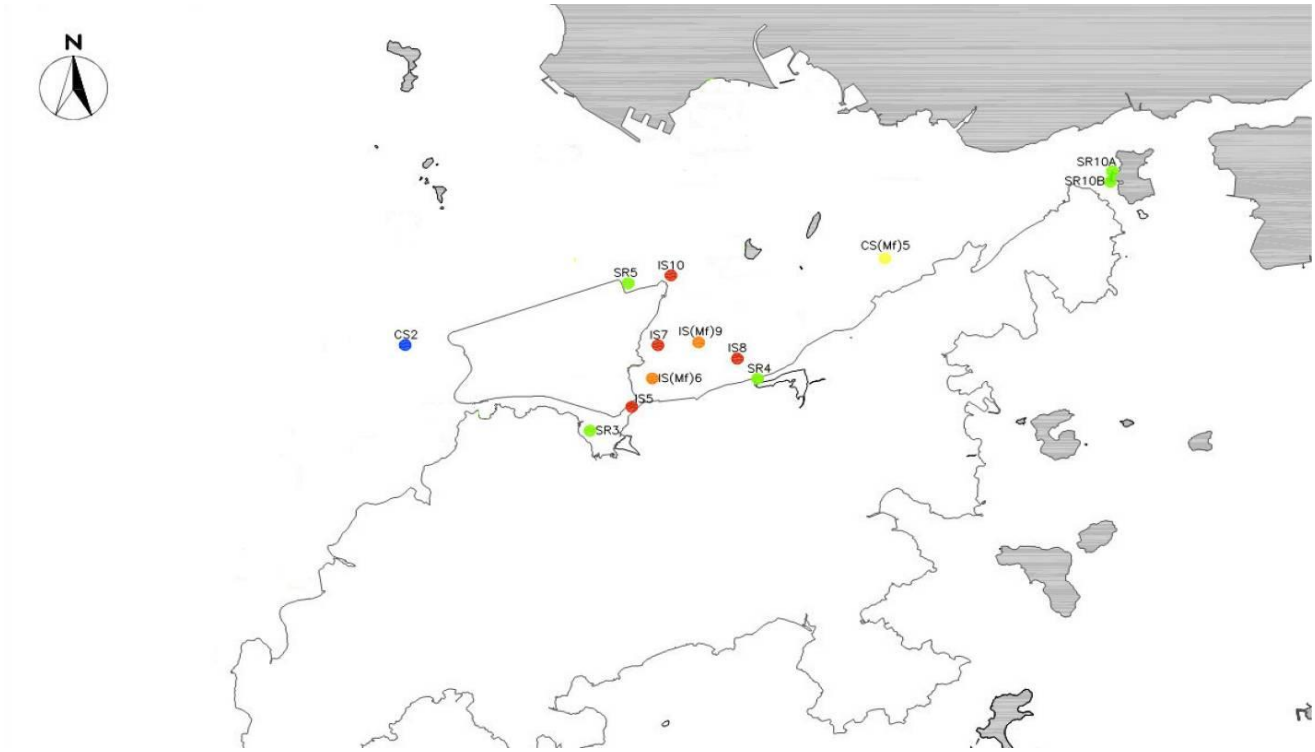
   The measured value at station IS(Mf)9 is higher than the range of suspended solid during the mid-edd tide and the measured value at station SR5 is also higher than the range of suspended solid during the mid-flood tide.
3. For mid-edd tide, Station IS7 is located closer to the works area of Contact No. HY/2011/03 when compared to IS(Mf)9. For mid-flood tide, Station IS5 is located closer to the works area of Contact No. HY/2011/03 when compared to SR5. Monitoring stations IS7 and IS5 are more representative compared to monitoring stations IS(Mf)9 and SR5 when studying the water quality impact caused by Contact No. HY/2011/03. For both IS7 and IS5, the SS levels complied with the AL and LL.
4. According to the monitoring results of 1 April 2013, the measured suspended levels complied with the AL and LL at IS(Mf)9 and SR5. In addition, the measured suspended levels at all other monitoring stations complied with AL and LL.
5. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
6. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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

**Actions taken/ to be taken:**

As the suspended solid 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 : 15 April 2013

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.: 137 (ver1)

**Date of Notification:** 22 April 2013

**Works Inspected:** Data collected from water sampling works on 10 April 2013 and the test report was issued on 17 April 2013.

**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 | IS8 | DA | **23.5** and 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 8.78 x 120% = **10.5** mg/L for mid ebb) AND CS(Mf)5: 4.45 x 120% = **5.3** 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: 8.78 x 130% = **11.4** mg/L for mid ebb) AND CS(Mf)5: 4.45 x 130% = **5.8** mg/L for mid flood) | 6.4 | ***23.9*** |

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 10 April 2013, an AL exceedance at station IS8 was recorded during mid-flood tide.

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

1. The sampling time for IS8 was around 06:54 hour for mid-flood tide on 10 April 2013. According to the information provided by the Contractor, a tug boat was used to tow barges during the sampling date and a hopper barge was used to carry out rock filling at Zone 3A from 11:00 to 11:45 hour on 10 April 2013. No marine works were undertaken during the sampling period of IS8 for the mid-flood tide.
2. The ranges of suspended solid at station IS8 during the baseline monitoring are shown as below:

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

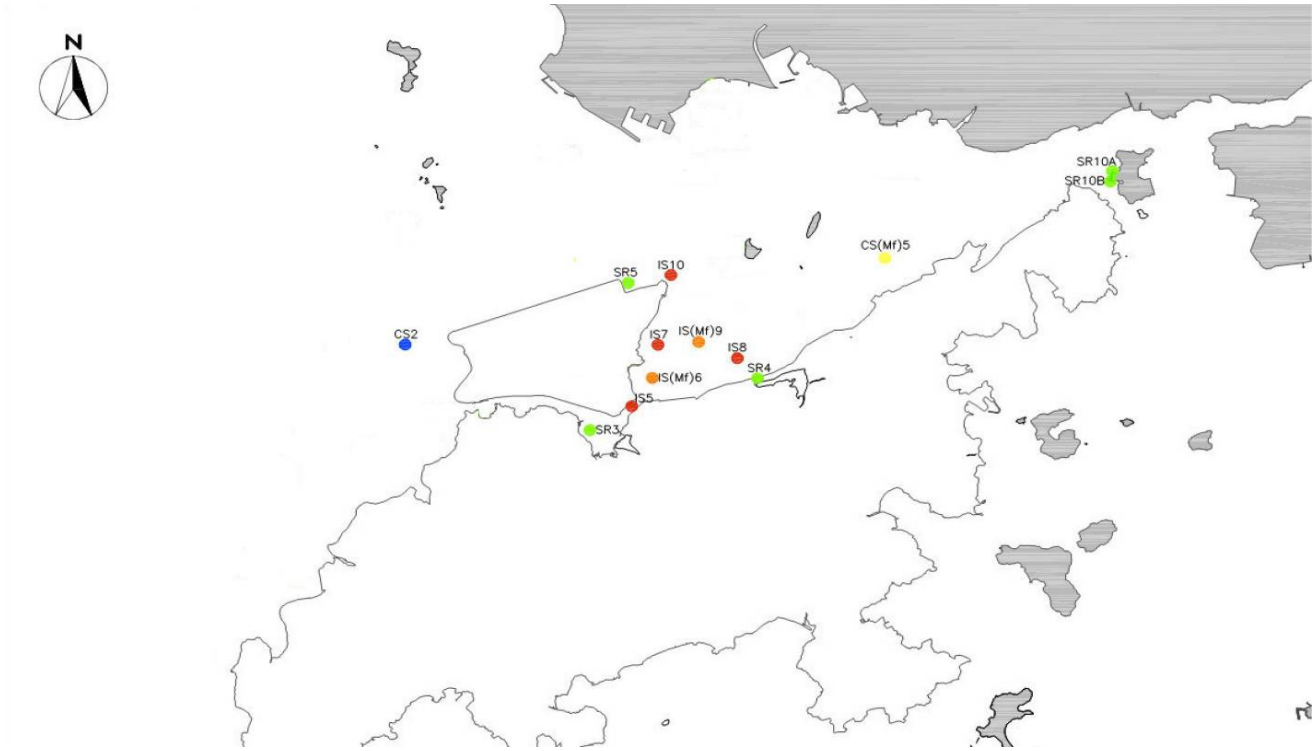
   The measured values at station IS8 were within the range of suspended solid during baseline monitoring for mid-ebb tide and mid-flood tide.
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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

**Actions taken/ to be taken:**

As the suspended solid 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 : 26 April 2013

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.: 138

**Date of Notification:** 7 May 2013

**Works Inspected:** Data collected from water sampling works on 26 April 2013 and the test report was issued on 6 May 2013.

**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 | IS10 | DA | **23.5** and 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 10.38 x 120% = **12.5** mg/L for mid ebb) AND CS(Mf)5: 5.78 x 120% = **6.9** 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: 10.38 x 130% = **13.5** mg/L for mid ebb) AND CS(Mf)5: 5.78 x 130% = **7.5** mg/L for mid flood) | 11.3 | ***24.1*** |
| SS | SR5 | DA | | | 11.0 | ***25.8*** |

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 26 April 2013, AL exceedances at station IS10 and SR5 were recorded during mid-flood tide.

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

1. The sampling time for IS10 and SR 5 were around 06:22 and 06:29 hour for mid-flood tide on 26 April 2013. According to the information provided by the Contractor, removal of temporary stone platform and installation of stone column were carried out on 26 April 2013 during the working hours (after 8am). No marine works were undertaken during the sampling period of IS10 and SR5 for the mid-flood tide.
2. The ranges of suspended solid at station IS10 and 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 | | |
|---|---|---|---|---|---|---|
| IS10 | 6.1 | to | 20.2 | 7.2 | to | 16 |
| SR5 | 6.7 | to | 16.5 | 6.5 | to | 31.2 |

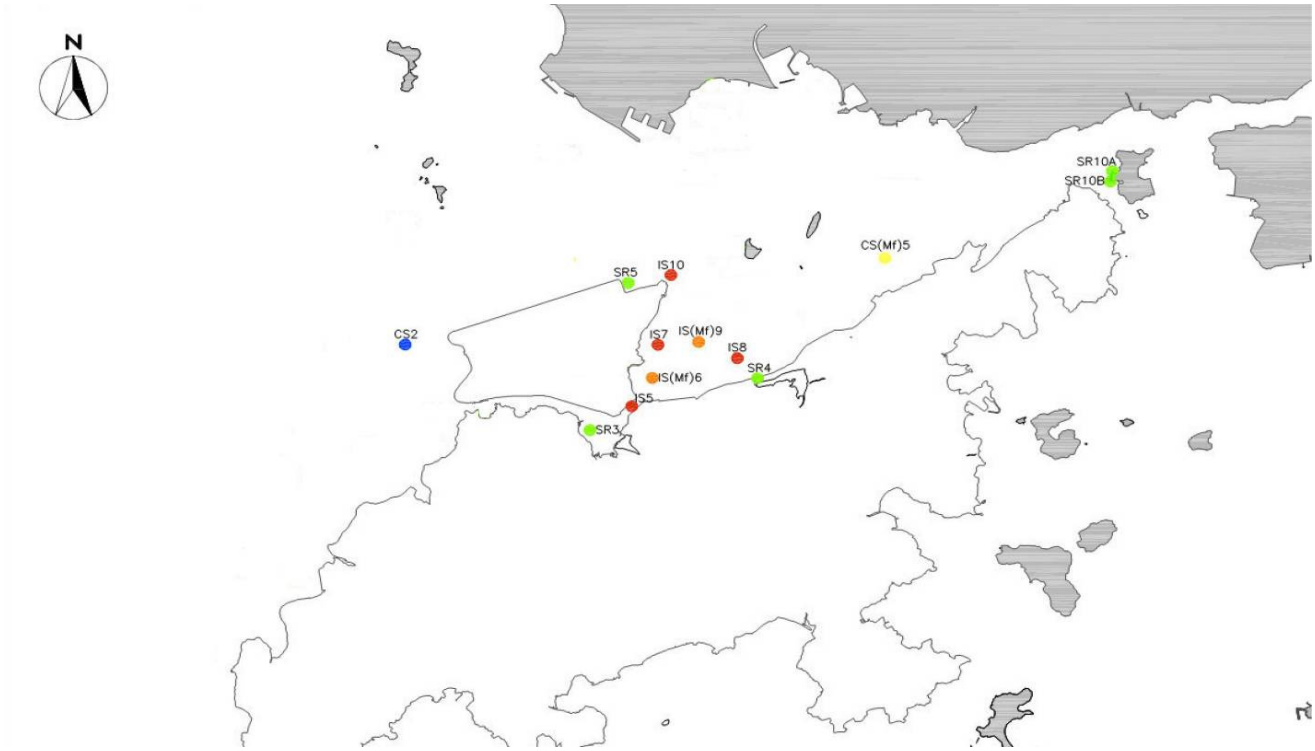
   The measured value at station IS10 is higher than the range of suspended solid during mid-flood tide and the measured value at station SR5 was within the range of suspended solid during baseline monitoring for mid-flood tide.
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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

**Actions taken/ to be taken:**

As the suspended solid 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 : 7 May 2013

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.: 139a

**Date of Notification:** 14 May 2013

**Works Inspected:** Not Applicable

**Monitoring Location:** Not Applicable

**Parameter:** Noise

| **Action & Limit Levels** | | | **Description** |
|---|---|---|---|
| Time Period | Action Level | Limit Level | 2 Action level exceedances were recorded due to 1 documented complaint received - A facsimile complaint was received on 15 April 2013 regarding the 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 causing nuisance to public. |
| 07:00–19:00 hrs Normal weekday | 1 complaint | 75 dB(A) | |

**Possible reason for Action or Limit Level Non-compliance:**

According to the site dairy provided by the Contractor, stone column installation was undertaken at Zone 3A and rock filling activities were undertaken at Zone 1 during the normal working hours of 6 April 2013 (7:30a.m. to 6p.m.) where malfunctioning of the bulldozer operating at Zone 3A was recorded and the machine was checked and repaired to resume functional. During the normal working hours (7:30a.m. to 6p.m) of 13 April 2013, stone column installation was undertaken at Zone 3A and rock filling activities were undertaken at Zones 1 and 3A. The construction activities did not cause adverse noise impacts on nearby noise sensitive receivers. The site diary for the complaint time period of 6 and 13 April 2013 is attached for information.

**Actions taken/ to be taken:**

A site inspection was undertaken on 17 April 2013 between 9:30 a.m. and noon. During the site inspection, the following activities were undertaken:

- Zone 3A – Rock transfer from pelican barge to hopper barge
- Zone 3A – Stone column installation
- Zone 3B – Forming access at rock platform by excavator and dump trucks

It was found that powered mechanical equipment was operated under normal condition and no significant noise was generated from the construction activities.

Based on the Contractor's site dairy and our investigation, it is considered that the complaint is invalid.

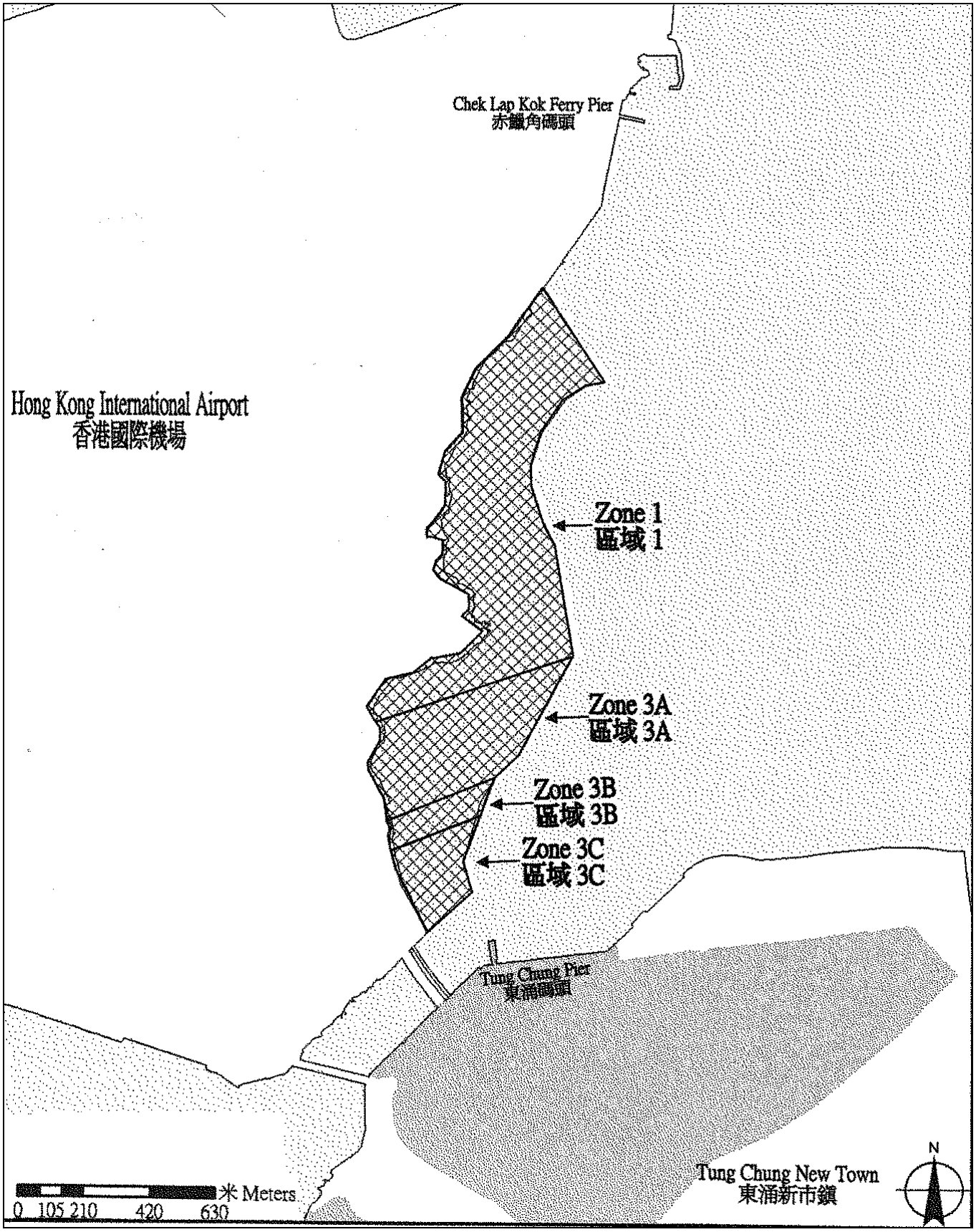
**Recommendations/ mitigation measures/ actions if necessary:**

Although the noise complaint was considered invalid, the Contractor was also reminded to minimize the noise impact and implement the noise mitigation measures as required in the Implementation Schedule to minimize the potential noise impacts.

Reviewed by : Claudine Lee Title : ET Leader

Date : 14 May 2013

Copied to : Supervising Officer, IEC, EPD, Contractor


Chek Lap Kok Ferry Pier
赤鱲角碼頭
Hong Kong International Airport
香港國際機場
Zone 1
區域 1
Zone 3A
區域 3A
Zone 3B
區域 3B
Zone 3C
區域 3C
Tung Chung Pier
東涌碼頭
Tung Chung New Town
東涌新市鎮
N
米 Meters
0 105 210 420 630

Marine Plant Operation during normal working hours on 6 Apr 2013

| Location | Time | Plant Name | Vessel Type | Working Status | CNP No. | Group |
|---|---|---|---|---|---|---|
| Zone 3A | 0730 - 1800 | N/A | Stone column rig | Stone column installation | N/A | N/A |
| | | N/A | Air compressor | Provided compressed air for the stone column installation | N/A | N/A |
| | | N/A | Generator | Provided power supply for the stone column installation | N/A | N/A |
| | | N/A | Loader | Feeding rock material for stone colum rig<br>Moving rock material to location for use by loader | N/A | N/A |
| | | N/A | Bulldozer | Sudden mechanical breakdown at 0930 and stopped operation for inspection and maintenance | N/A | N/A |
| Zone 1 | 1000 - 1800 | 盛業FB101 | Flat top barge | Acting as marker pontoon at fix position | N/A | N/A |
| | | C.M.118 | Hopper barge | Rockfilling | | |

Marine Plant Operation during normal working hours on 13 Apr 2013

| Location | Time | | | Plant Name | Plant Type | Working Status | CNP No. | Group |
|---|---|---|---|---|---|---|---|---|
| Zone 3A | 0730 | - | 1900 | N/A | Stone column rig | Stone column installation | N/A | N/A |
| | | | | N/A | Air compressor | Provided compressed air for the stone column installation | N/A | N/A |
| | | | | N/A | Generator | Provided power supply for the stone column installation | N/A | N/A |
| | | | | N/A | Loader | Feeding rock material for stone colum rig | N/A | N/A |
| | | | | N/A | Bulldozer | Moving rock material to location for use by loader | N/A | N/A |
| Zone 1 | 1000 | - | 1800 | 盛業FB101 | Flat top barge | Acting as marker pontoon at fix position | N/A | N/A |
| | | | | C.M.118 | Hopper barge | Rockfilling | | |
| Zone 3A | 0800 | - | 1200 | 新訊SS2 | Derrick barge | For positioning only without crane operation | N/A | N/A |
| | | | | C.S.2001 | Hopper barge | Rockfilling | | |
| Zone 1 | 0900 | - | 11:00 | 粵惠州貨3388 | Pelican barge | Rockfilling | N/A | N/A |
| | 0900 | - | 11:00 | 粵廣州貨1062 | Pelican barge | Rockfilling | N/A | N/A |
| | 0800 | - | 1800 | C.M.83 | Derrick barge | For positioning only without crane operation | N/A | N/A |
| | | | | 海駁5 | Hopper barge | Rockfilling | | |

**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.: 140

**Date of Notification:** 23 May 2013

**Works Inspected:** Data collected from water sampling works on 8 May 2013 and the test report was issued on 15 May 2013.

**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: 9.05 x 120% = **10.9** mg/L for mid ebb) AND CS(Mf)5: 5.77 x 120% = **6.9** 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: 9.05 x 130% = **11.8** mg/L for mid ebb) AND CS(Mf)5: 5.77 x 130% = **7.5** mg/L for mid flood) | 15.1 | ***<u>36.8</u>*** |
| SS | IS7 | DA | | | 10.7 | ***30.4*** |
| SS | IS8 | DA | | | 9.4 | ***27.8*** |
| SS | IS(Mf)9 | DA | | | ***25.8*** | 22.9 |

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

**Possible reason for Action or Limit Level Non-compliance:**

On 8 May 2013, an AL exceedance at station IS(Mf)9 was recorded during mid-ebb tide. AL exceedances at stations IS7 and IS8, and a LL exceedance at station IS(Mf)6 were recorded during mid-flood tide.

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

1. Installation of stone column which is a land-based construction activity was carried out at Zone 1 and Zone 3A on 8 May 2013. There were no marine construction activities on 8 May 2013.
2. The ranges of suspended solid at station IS(Mf)6, IS7, IS8 and IS(Mf)9 during the baseline monitoring are shown as below:

| Station | Range of Suspended Solid (mg/L) Mid- Ebb Tide | | | Range of Suspended Solid (mg/L) Mid- Flood Tide | | |
|---|---|---|---|---|---|---|
| IS(Mf)6 | 7.1 | to | 19 | 8.5 | to | 35 |
| IS7 | 6.1 | to | 21 | 7.8 | to | 34 |
| IS8 | 5.5 | to | 25.5 | 5.8 | to | 31.3 |
| IS(Mf)9 | 5.5 | to | 20.1 | 7.3 | to | 26 |

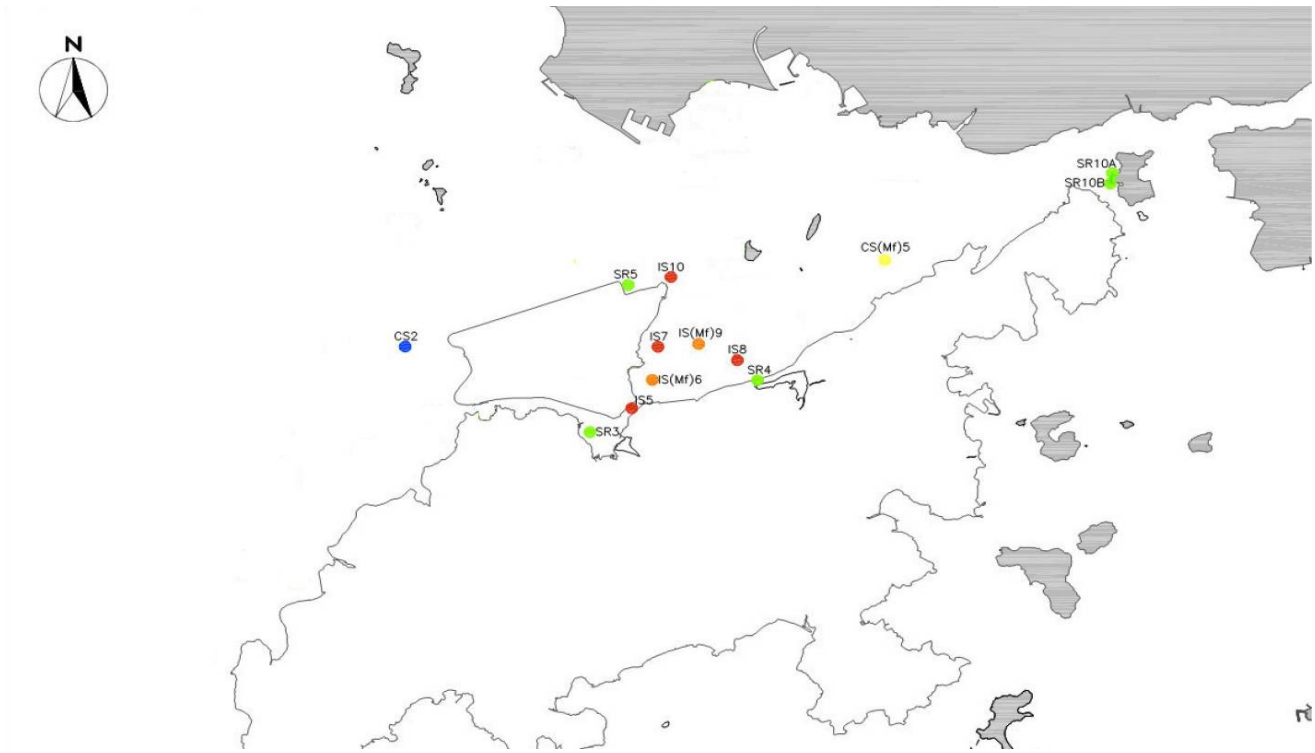
   The measured value at stations IS7 and IS8 were within the range of suspended solid during baseline monitoring for mid-flood tide.
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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

**Actions taken/ to be taken:**

As the suspended solid 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 : 23 May 2013

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.: 141

**Date of Notification:** 4 June 2013

**Works Inspected:** Not Applicable

**Monitoring Location:** Not Applicable

**Parameter:** Noise

| **Action & Limit Levels** | | | **Description** |
|---|---|---|---|
| Time Period | Action Level | Limit Level | One Action Level exceedance was recorded as there was a noise complaint received on 23 May 2013. The complaint was related to 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. |
| 07:00–19:00 hrs<br>Normal weekday | 1 complaint | 75 dB(A) | |

**Possible reason for Action or Limit Level Non-compliance:**

According to the site dairy provided by the Contractor, no works were carried out on the barge near seawall at the works area near the site office (Work area WA6) from 08:00 to 12:00 hrs of 18 May 2013. Therefore, it is considered that the noise complaint was not project related.

The site diary for the complaint time period of 18 May 2013 and location plan of work area WA6 are attached for information.

**Actions taken/ to be taken:**

As the complaint is not due to the project works, no mitigation measure/actions are considered necessary.

**Recommendations/ mitigation measures/ actions if necessary:**

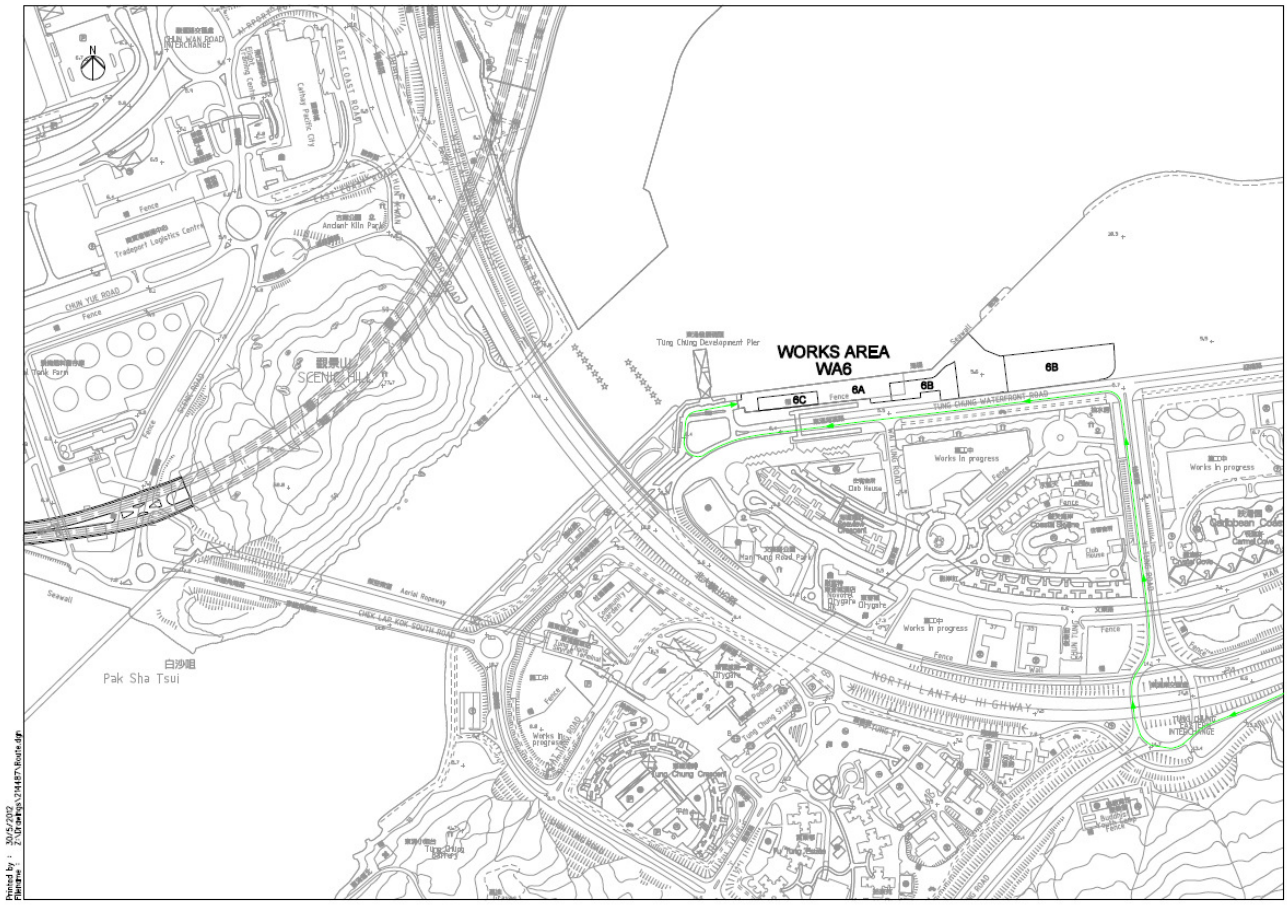
If there are metal handling works, the Contractor will not carry out the metal handling works in early morning in order to minimize potential noise disturbance as far as practicable in future.

Reviewed by : Claudine Lee Title : ET Leader

Date : 4 June 2013

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

**Location Plan:**


WORKS AREA
WA6
6A
6B
6C
Tung Chung Development Pier
TUNG CHUNG WATERFRONT ROAD
NORTH LANTAU HIGHWAY
Pak Sha Tsui
白沙里
SCENIC HILL
Works in progress
Fence
Seawall
Aerial Ropeway
CHEK LAP KOK SOUTH ROAD
Tung Chung Crescent
Tung Chung Library
Tung Chung Station
Tung Chung Road Park
Caribbean Coast
Coastal Skyline
Coastal Cove
Club House
Sheung Ling Pei Road
Tung Chung Road
Tung Chung Bypass
Tung Chung Interchange
Transport Logistics Centre
Ancient Kiln Park
Cathay Pacific City
CHEK MAN ROAD
INTERCHANGE
EAST COAST ROAD
CHUN YUE ROAD
Theme Park
Public Toilet
Public Transport Interchange
Footbridge
Bus Stop
Taxi Stand
Underpass
Overpass
Toilet Block
Refuse Collection Point
Footpath
Slope
Steps
Ramp
Trees
Shrubs
Grass
Flowerbed
Planter
Lamp Post
Flagpole
Bollard
Guardrail
Kerb
Manhole
Gully
Catchpit
Drainage Channel
Culvert
Pipe
Cable
Overhead Line
Electric Pole
Transformer
Switch Room
Telephone
Fire Hydrant
Water Meter
Gas Meter
Sign
Notice Board
Bench
Litter Bin
Shelter
Kiosk
Vending Machine
Car Park
Parking Space
Loading Bay
Taxi Queue
Bus Queue
Pedestrian Crossing
Traffic Light
Zebra Crossing
Island
Roundabout
Junction
Slip Road
Carriageway
Footway
Cycle Track
Verge
Median
Barrier
Wall
Retaining Wall
Building
Entrance
Exit
Gate
Fence
Hedge
Tree
Shrub

Site Diary for WA6 (Works Area of Site Office) on 18 May 2013

| Location | Time | | | Plant Name | Plant Type | Working Status | CNP No. | Group |
|---|---|---|---|---|---|---|---|---|
| WA6 | 0800 | - | 1200 | N/A | N/A | No undertaking of works by barge near seawall at WA6 | N/A | N/A |

**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.: 142

**Date of Notification:** 21 August 2013

**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 March 2013-May 2013 |
| | 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) | ***STG = 0.42; ANI =0.42*** |
| Northwest Lantau (NWL) | STG < 6.9 & ANI < 31.3 | | STG = 7.75; ANI =24.23 |

Notes:
1. STG means quarterly encounter rate of number of dolphin sightings.
2. ANI means quarterly encounter rate of total number of dolphins.
3. For North Lantau Social Cluster, AL will be triggered if either NEL or NWL falls below the criteria; LL will be triggered if both NEL and NWL fall below the criteria.
4. ***Bold Italic*** means AL exceedances.
5. ***Bold Italic with underline*** means LL exceedances

**Possible reason for Action Level Non-compliance:**

The possible reasons for Action Level non-compliance could be due to the seasonal fluctuation of dolphin occurrence in spring months in the Northeast Lantau region. According to AFCD long-term monitoring data, dolphins were infrequently sighted in NEL during spring months as compared to the other three seasons, and the current AL non-compliance also occurred in NEL during spring months.

There is no evidence showing the current AL non-compliance directly related to the construction works of HKLR03. 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.

## Actions taken/ to be taken:

Inform the IEC, ER/SOR and Contractor
The ETL inform IEC, ENPO SOR and Contractor via email on 4 June 2013.

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

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

For the comparison between the baseline period and the present quarter (third quarter of the impact phase), the p-value for the differences in average dolphin encounter rates of STG and ANI were 0.0858 and 0.0931 respectively. If the alpha value is set at 0.1 (due to the small sample size with lower statistical power in the analysis), significant difference was detected between the baseline and present quarters.

For the comparison between the baseline period and the cumulative quarters in impact phase (i.e. first three quarters of the impact phase), the p-value for the differences in average dolphin encounter rates of STG and ANI were 0.1336 and 0.0507 respectively. If the alpha value is set at 0.1, significant difference is detected in the average dolphin encounter rate of ANI (i.e. between the two periods and the locations), but not in the average dolphin encounter rate of STG.

Review all available and relevant data, including raw data and statistical analysis results of other parameters covered in the EM&A, to ascertain if differences are as a result of natural variation or previously observed seasonal differences:

The AFCD monitoring data during March-May 2013 has been reviewed by the dolphin specialist, and no dolphin sighting was made with 66.04 km of survey effort on primary lines in NEL during the same quarter. This review has confirmed that the very low occurrence of dolphins reported by the HKLR03 monitoring survey in spring 2013 in NEL is accurate.

Identify source(s) of impact:

There is no evidence showing that the sources of impact were directly related to the construction works of HKLR03 that may have affected the dolphin usage in the NEL region.

**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. In order to minimise disturbance to the Brother's Island, the Contractor 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.

Reviewed by : Claudine Lee Title : ET Leader

Date : 21 August 2013

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

**Summary of Notifications of Summons and Prosecutions**

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

# APPENDIX N

## Cumulative Statistic on Complaints

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

**Complaint Register**

| Complaint No. | Date | Time | Source | Category | Complaint Details | Location | Improvement Measures Taken | Status | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| COM-2012-008 | 22-Oct-12 | 16:41 | EPD | Environmental (Water Pollution) | X先生投訴東涌機場對出港珠澳大橋地盤，有污水排到海中（懷疑是油污），污染環境，要求跟進及回覆。 (Photos attached). The "phenomenon"was observed over the past week.<br>The photos attached were taken on 19.10.2012, 22.10.2012 and 23.10.2012 | Portion X | The pelican barge as shown in the photos provided on 24 October 2012 did not belong to the Contractor. | Closed | - |
| COM-2012-009 | 05-Nov-12 | - | 1823 CASE: 1-391341859 | Environmental (Noise and light) | The citizen complained about noise and light pollution from the barges working on the Zhuhai Macau Bridge project. Barge machinery working to about 10pm at night and sometimes can be heard intermittently through the night. The noise is more audible because the machinery is sited on/over the water. | Portion X | The Contractor has adjusted the emission angle of the lights on working vessels with a view to minimizing the glaring effect to the adjoining residential areas | Closed | - |
| COM-2012-009(2) | 11-Nov-12 | - | 1823 CASE: 1-391341859 | Environmental (Noise, water quality & air quality) | The complainant noted that the barges are still working on a Sunday, up until 10pm at night, very noisy, causing pollution of the water and at times expelling black smoke from their engines. A photograph taken at 10.40am on Sunday 11 November 2012 was attached. | Portion X | - | Closed | - |
| COM-2012-009(3) | 14-Nov-12 | - | 1823 CASE: 1-391341859 | Environmental (Noise) | The complainant did not accept the reply. He further said that "All staff has to do is come out either at night or a Sunday to check, so easy. If this continues I will have no choice to call the police out." | Portion X | The Contractor has taken the following further mitigation measures for the reclamation works:<br>(a) Mitigation Measures for Noise Nuisance:<br>• Improvement of noise covers onto the generators / motors on barges; and<br>• Increase frequency of applying lubricant to all moving parts and gear wheels of the working barges.<br>(b) Mitigation Measures for Smoke Emission:<br>• Increase frequency of maintenance and checking of engines on barges that may emit smoke; and<br>• Installation/ replacement of smoke suppression device such as air filter, at engines where necessary. | Closed | - |
| COM-2012-010(1) | 06-Nov-12 | - | <hzmbenquiry@hyd.gov.hk> | Environmental (Noise) | The complainant stated that lately work has started opposite Le Bleu Deux estate using barges. The work in process is generated high level of noise from powered tools used on those barges. Even if the noise was acceptable on weekdays during daytime, it is definitely creating nuisance to local resident at night (past 7pm) and on Sunday. Basically as 5 November 12 evening, he could not leave his window open as the elevel of noise prevent his baby to sleep and he could not even hear the TV in his flat. the noise coming from the site is higher then the sounds from my TV.<br>He would like to know what measure you are planning to put in place to address this issue. He did not think that the current level of noise are acceptable past 7pm and on Sunday. | Portion X | - | Closed | - |
| COM-2012-010(2) | 15-Nov-12 | - | <hzmbenquiry@hyd.gov.hk> | Environmental (Noise & air quality) | The noise can be very annoying, on days depending of the wind direction, you are making more noise than the plane taking off (I measured it myself), to give you an idea of the disturbance you are creating again. *I would also like to bring an other topic beside the noise. Since the beginning of the filling operation, very strong smell of exhaust pipe gas can be smelt in the residential area and I think this is a huge health concern for the local population. On certain days when the wind is blowing towards the residential areas, I have the feeling that there is a diesel engine running in my living room! I would like to know how you are planning to address this?* | Portion X | - | Closed | - |

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

**Complaint Register**

| Complaint No. | Date | Time | Source | Category | Complaint Details | Location | Improvement Measures Taken | Status | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| COM-2012-010(3) | 15-Nov-12 | - | EPD | Environmental (Noise, water quality & air quality) | The complainant has copied his reply from HyD dated 15 Nov 2012 to EPD and Health Department and he further complained on the following issues:<br>• Noise nuisance generated by diesel engine;<br>• Smell of exhaust pipe gas in his residence; and<br>• Suspected marine water pollution (see enclosed photo).<br>The complainant also requested EPD to install noise and air quality monitoring at Le Bleu Deux estate. | WA6<br><br><br><br>Portion X | Noise from blowing horn from vessels and barges and Metallic Parts thrown on Ground<br>• Reminded the Contractor to request the captains of the vessels and barges not blowing the horn except in case of emergency or prevention of ship collisions/serious safety matters;<br>• 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<br>• 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.<br>Noise from Engines and Cranes of the Barges during Marine Operation<br>• Installation of noise covers onto the generators / motors on all working barges;<br>• Increase frequency of applying lubricant to all moving parts and gear wheels of the working barges to avoid generation of abnormal sound; and<br>• Review of working hours for the reclamation works and switching off all unnecessary machinery and plants at night time and Sundays.<br>Noise from power generators<br>• All generators shall be either screened or covered by adequate sound reducing materials;<br>• 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<br>• 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.<br>Exhaust Fume Emission<br>• Tight control on using the machine and generators in the vicinity of Le Bleu Deux estate; and<br>• Closely monitor the frequency on engine cleansing and replacement of dust filter.<br>Change of Sea Water in Yellow<br>• 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-12 | 22:25 hrs. | EPD | Environmental (Air quality and Noise) | The complainant filed again a complaint for the strong exhaust pipe fumes smell coming for the construction site in Tung Chung tonight as well as the extremely high level of noise as at at 10:30 pm (19/11/12). | WA6 | | | |
| COM-2012-010(5) | 24-Nov-12<br><br><br>

**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. | Date | Time | Source | Category | Complaint Details | Location | Improvement Measures Taken | Status | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| COM-2013-016 | 18-Jan-13 | - | EPD | Environmental (Water) | The complainant advised that turbid water and concrete/cement has been arising from the Hong Kong-Zhuhai-Macao Bridge Hong Kong Projects to marine water. The complainant did not specify the soure of the turbid water and concrete/cement. | N/A | - | Closed | - |
| COM-2013-018 | 02-Mar-13 | - | 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."<br>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-13 | - | EPD | Environmental (Noise) | The complainant complained that the cranes operating on the barges for the HZMB HK project generating squeak noise in the evening of 1 March 2013 causing an annoyance to him/her. | Portion X | The Contractor implemented the following measures :<br>- Briefing given to the operator for the proper operation of marine vessels;<br>- Keep adequate routine maintenance ;<br>- Minimize the quantities of plant after 7pm; &<br>- 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-13 | - | 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-13<br><br><br><br><br><br>24-Mar-13 | 14:19 hrs<br><br><br><br><br><br>10:28 hrs | HyD | Environmental (Noise) | The complainant complained that "the lifting appliance was operated gently and softly to keep the noise emission as low as possible" but the noise still woke up his baby. "Lubricant was regularly applied to smoothen all moving parts and gear wheels of the working barges" that did not seem to be the case at all.<br><br>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-13<br><br><br>1-Apr-13 | 10:25 hrs<br><br><br>10:32 hrs | HyD | Environmental (Noise) | The complainant complained that noise emitted from a crane at 10:19 hrs. The complainant further complained that noise was generated from a barge at 07:30 hrs. | Portion Y | - | Closed | - |
| COM-2013-018 (6), (7) & (9) | 15-Apr-13 | 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.<br>To minimize the potential noise impact during restricted hours and non-restricted hours, the Contractor has implemented the following additional measures:<br>- Briefing given to the operator of the barges for proper operation of marine vessels;<br>- Operating barge by experienced operators only;<br>- Keeping adequate routine maintenance for barges e.g. application of lubricants into moving parts in order to minimize squeak noise;<br>- Install noise covers onto noisy equipment where practicable.<br>- Remind subcontractor only well-maintained plant should be operated on-site.<br>- Minimized the quantities of plant used after 7pm as far as practicable;<br>- Speed up of construction works in order to shorten the duration (days) of potential noise impact/nuisance to the surrounding environment; and<br>- 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. | Date | Time | Source | Category | Complaint Details | Location | Improvement Measures Taken | Status | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| COM-2013-018 (11) | 28-Apr-13 | 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.<br>To minimize the potential noise impact during restricted hours, the Contractor has implemented the following additional measures:<br>- Briefing given to the operator of the barges for proper operation of marine vessels;<br>- Operating barge by experienced operators only;<br>- Keeping adequate routine maintenance for barges e.g. application of lubricants into moving parts in order to avoid squeak noise;<br>- Install noise covers onto noisy equipment where practicable.<br>- Remind subcontractor only well-maintained plant should be operated on-site.<br>- Speed up of construction works in order to shorten the duration (days) of potential noise impact/nuisance to the surrounding environment; and<br>- 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-13 | -- | EPD | Environmental (Water) | The complaint alleged that oil was dumped from various vessels operating for HZMB HK projects near Tung Chung Development Pier over the past few months. Photos were provided by the complainant. | Portion X | The Contractor has checked the photos provided by the complainant and confirmed that the vessels and boats shown in the photos do not belong to Contract No. HY/2011/03.As this complaint is not related to this Contract, no follow up action is required.<br>The Contractor has reminded their subcontractors to implement the measures recommended in the Spill Response Plan (SRP) in case of accidental release of oils from vessel. | Closed | - |
| **COM-2013-022(2)** | 23-May-13 | 09:15 hrs | EPD | Environmental (Water) | This complaint was a follow-up of a previous complaint received by EPD on 8 April 2013 regarding oil slicks caused by vessels. It was alleged that oil was still being dumped from various vessels operating for HZMB HK projects near Tung Chung Development Pier over the past few months. On the other hand, the complainant would also like to know whether the owners of the vessels could present engine oil disposal records for the vessels which supported the HZMB project. | Portion X | The vessels belong to HY/2011/03 shown in the photographs were on 1 May, 5 May and 12 May 2013.<br>ETL of HY/2011/03 carried out the investigation and reported the following findings:<br>After checking with frontline staff of the Contractor, these identified vessels were anchored to buoys and were not in operation on 1 and 12 May 2013 (public holidays). In addition, there were no reports of oil spill during the aforementioned dates.<br>The vessel on the left hand side of the red circle of the photo which was taken by the complainant on 5 May 2013 belongs to Contract No. HY/2011/03. However, there was no oil spill recorded on 5 May 2013 and there was no oil slick visible on the surface of the seawater next to the vessel.<br>During our weekly site inspections undertaken in April and May 2013, the contractor's vessels were in good condition and there were no oil slicks visible on the surface of the seawater next to vessels.<br>Should there be waste oil generated from the vessels, they will be subsequently collected by licensed chemical waste collector. As this complaint is not related to this Contract, no follow up action is required.<br>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-13 | - | 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 | According to the site dairy provided by the Contractor, no construction work was carried out at the construction site near the site office (Work area WA6) on 1 May 2013. Therefore, it is considered that the noise complaint was not project related.<br>As the complaint is not due to the project works, no mitigation measure/actions are considered necessary. However, 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-13 | 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 | According to the site dairy provided by the Contractor, no works were carried out by barge near seawall at the works area near the site office (Work area WA6) from 08:00 to 12:00 hrs of 18 May 2013. Therefore, it is considered that the noise complaint was not project related.<br>As the complaint is not due to the project works, no mitigation measure/actions are considered necessary. However, 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 | - |

# APPENDIX O

## Mudflat Monitoring Results

**Table 3.1**. *Record of horseshoe crab survey at every sampling zone.*

| Species | Prosomal width (mm) | Substratum | GPS coordinate | Grouping | Remark |
|---|---|---|---|---|---|
| TC1 (search hour = 2 hr) | | | | | |
| *Tachypleus tridentatus* | 39.59 | M | 22º 17.078' N 113º 56.054' E | | |
| *T. tridentatus* | 47.98 | M | 22º 17.077' N 113º 56.050' E | | |
| *T. tridentatus* | 34.31 | M | 22º 17.088' N 113º 56.047' E | | |
| *T. tridentatus* | 44.11 | M | 22º 17.083' N 113º 56.045' E | | |
| *T. tridentatus* | 37.42 | M | 22º 17.085' N 113º 56.045' E | | |
| TC2 (search hour = 2 hr) | | | | | |
| No record | | | | | |
| TC3 (search hour = 2 hr) | | | | | |
| *T. tridentatus* | 41.12 | S | 22º 17.090' N 113º 55.582' E | | |
| *T. tridentatus* | 28.29 | S | 22º 16.982' N 113º 55.655' E | | Just complete moulting |

M = Soft mud, S = Sand

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

| Species | Prosomal width (mm) | Substratum | GPS coordinate | | Grouping | Remark |
|---|---|---|---|---|---|---|
| ST (search hour = 2.5 hr) | | | | | | |
| *T. tridentatus* | 37.39 | S | 22º 17.218' N | 113º 55.475' E | 1 | |
| *T. tridentatus* | 36.93 | S | 22º 17.218' N | 113º 55.475' E | 1 | |
| *T. tridentatus* | 37.25 | S | 22º 17.217' N | 113º 55.470' E | | |
| *T. tridentatus* | 25.31 | S | 22º 17.218' N | 113º 55.469' E | | |
| *T. tridentatus* | 15.02 | S | 22º 17.384' N | 113º 55.462' E | 2 | |
| *T. tridentatus* | 35.69 | S | 22º 17.384' N | 113º 55.462' E | 2 | |
| *T. tridentatus* | 33.43 | S | 22º 17.390' N | 113º 55.457' E | | |
| *T. tridentatus* | 26.32 | S | 22º 17.389' N | 113º 55.455' E | | |
| *T. tridentatus* | 34.51 | S | 22º 17.390' N | 113º 55.460' E | | |
| *T. tridentatus* | 42.73 | S | 22º 17.248' N | 113º 55.503' E | | |
| *T. tridentatus* | 25.71 | S | 22º 17.242' N | 113º 55.511' E | | |
| *T. tridentatus* | 35.63 | S | 22º 17.218' N | 113º 55.481' E | | |
| *T. tridentatus* | 33.93 | S | 22º 17.209' N | 113º 55.481' E | 3 | |
| *T. tridentatus* | 26.42 | S | 22º 17.209' N | 113º 55.481' E | 3 | |
| *T. tridentatus* | 40.61 | S | 22º 17.196' N | 113º 55.487' E | | Broken prosoma |

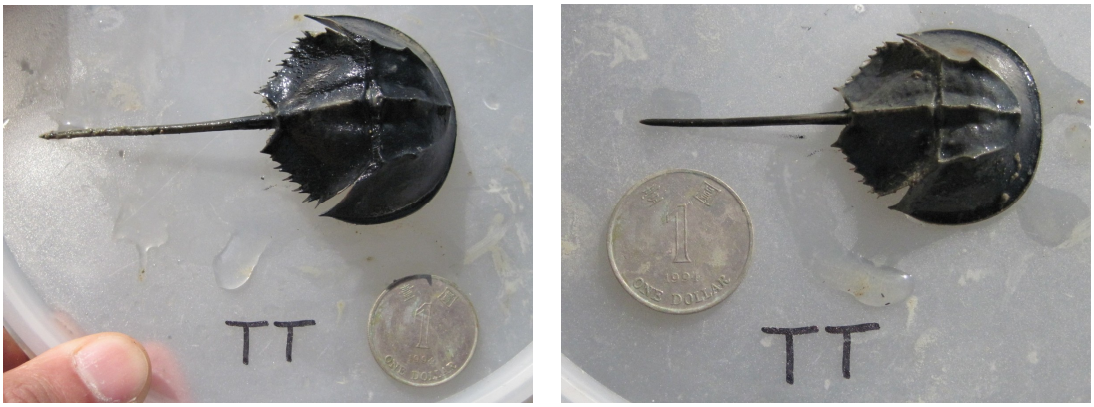
S = Sand

Individuals in a group was given the same grouping number

**Table 3.2**. *Summary of horseshoe crab survey at every sampling zone.*

| | TC1 | TC2 | TC3 | ST |
|---|---|---|---|---|
| Search duration (hr) | 2 | 2 | 2 | 2.5 |
| *Tachypleus tridentatus* | | | | |
| no. of individuals | 5 | N.A. | 2 | 15 |
| mean prosomal width (mm) | 40.68 | | 34.71 | 32.46 |
| range of prosomal width (mm) | 34.31-47.98 | | 28.29-41.12 | 15.02-42.73 |
| Search record (ind. $hr^{-1}$ $person^{-1}$) | 1.25 | | 0.50 | 3.00 |

**TC1**




**TC3**

**ST**

**Figure 3.1.** *Examples of photographic records of horseshoe crab Tachypleus tridentatus in the present survey (taken on 11th and 12th March 2013)*

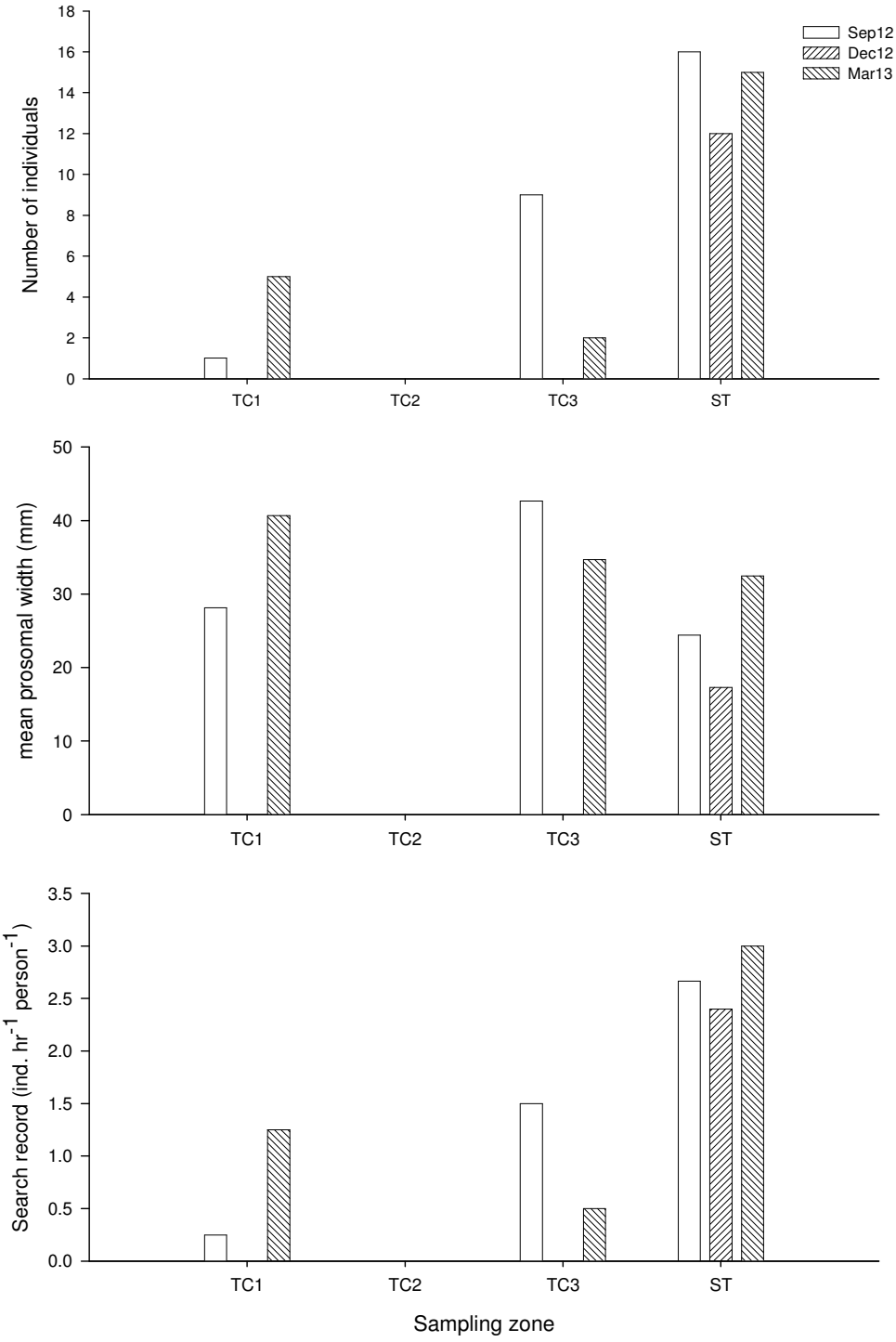



**Figure 3.2.** *Changes of number of individuals, mean prosomal width and search record of horseshoe crab Tachypleus tridentatus at the four sampling zones along the sampling months*

**Table 3.3**. *Summary of seagrass beds survey at every sampling zone*

| Species | Estimated area ($m^2$) | GPS coordinate | Estimated coverage (%) | Remark |
|---|---|---|---|---|
| **TC1 & TC2 & TC3** (search hour = 2 hr / zone) | | | | |
| No record | | | | |
| **ST** (search hour = 2.5 hr) | | | | |
| *Halophila ovalis* | 442.2 | 22º 17.199' N 113º 55.475' E -- 22º 17.210' N 113º 55.474' E | 90-100 | A long strand of seagrass nearby the seaward side of mangrove vegetation at tidal level 2.0m above C.D. |
| *H. ovalis* | 63.8 | 22º 17.220' N 113º 55.471' E -- 22º 17.210' N 113º 55.472' E | 70-85 | A medium patch of seagrass |
| *H. ovalis* | 22.7 | 22º 17.218' N 113º 55.475' E -- 22º 17.222' N 113º 55.474' E | 70-90 | A small patch of seagrass |
| **no. of patches** | 3 | | | |
| **Total area ($m^2$)** | 528.8 | | | |
| **Average area ($m^2$)** | 176.3 | | | |

**Table 3.3 (Cont'd)**. *Summary of seagrass beds survey at every sampling zone*

| Species | Estimated area ($m^2$) | GPS coordinate | Estimated coverage (%) | Remark |
|---|---|---|---|---|
| **ST** (search hour = 2.5 hr) | | | | |
| *Zostera japonica* | 9.5 | 22º 17.209' N 113º 55.471' E | 50 | A small patch grown in the long strand of another seagrass species *Halophila ovalis* |
| *Z. japonica* | 0.7 | 22º 17.215' N 113º 55.467' E | 30 | A small patch grown in the long strand of another seagrass species *Halophila ovalis* |
| *Z. japonica* | 0.2 | 22º 17.215' N 113º 55.467' E | 15 | A small patch grown in the long strand of another seagrass species *Halophila ovalis* |
| **no. of patches** | 3 | | | |
| **Total area ($m^2$)** | 10.4 | | | |
| **Average area ($m^2$)** | 3.5 | | | |

*Halophila ovalis*

*Zostera japonica*

**Figure 3.3.** *Examples of photographic records of seagrass beds survey at ST (taken on 12/03/2013)*

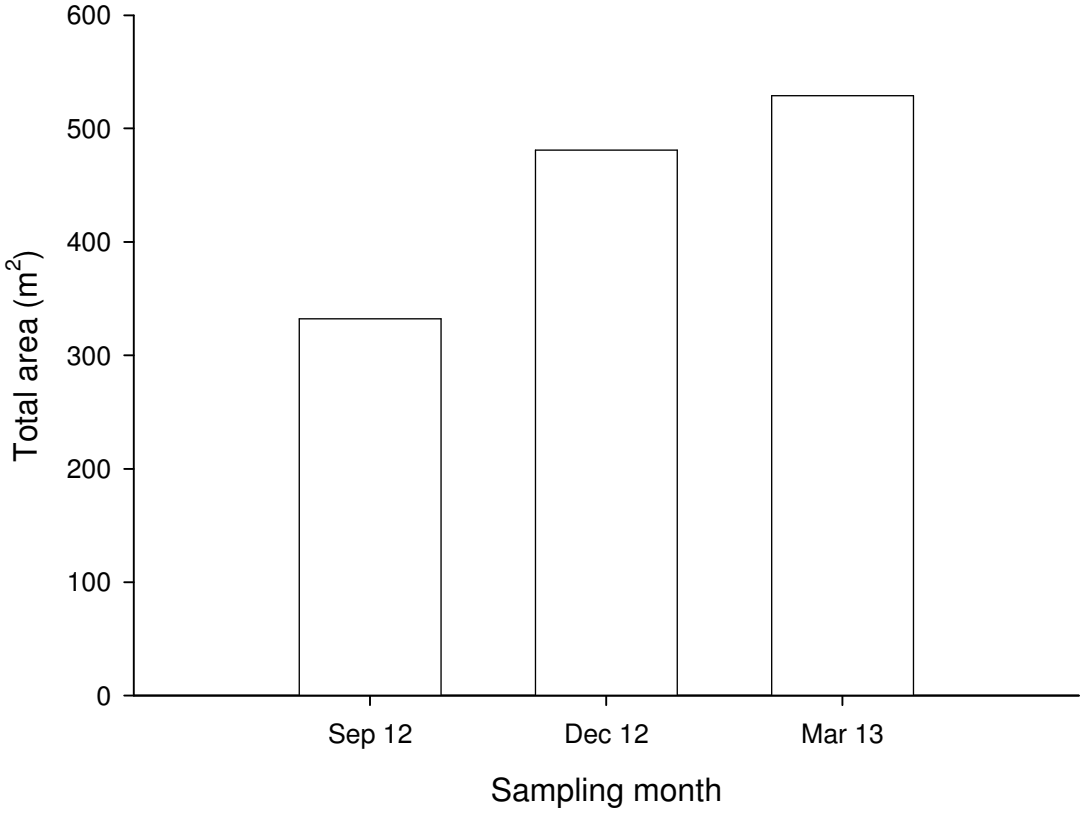



**Figure 3.4.** *Changes of estimated total area of seagrass beds Halophila ovalis at sampling zone ST along the sampling months*

**Table 3.4**. *Relative distribution (%) of types of substratum along the horizontal transect at every tidal level and sampling zone.*

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

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

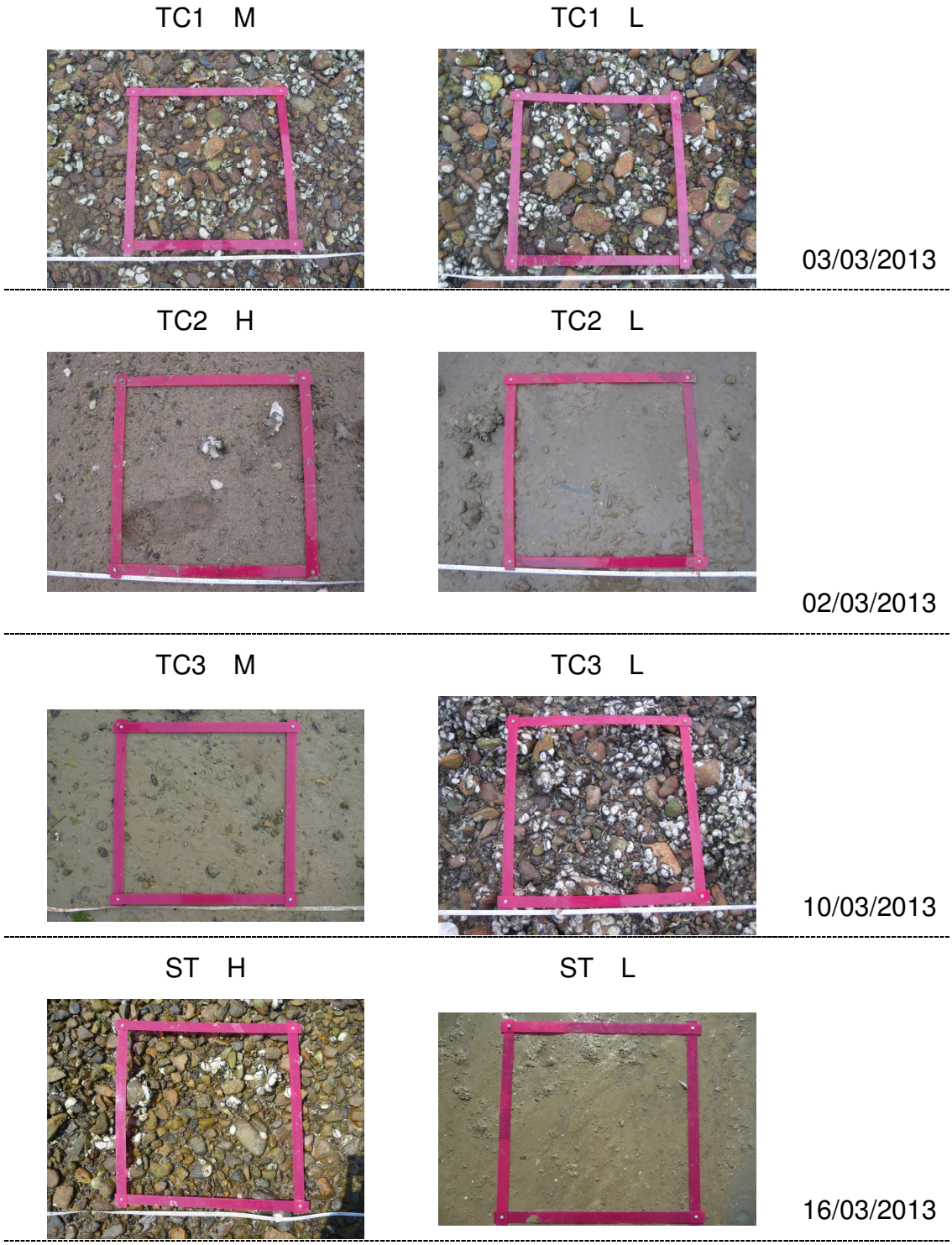



**Figure 3.5.** *Examples of photographic records of quadrat for intertidal soft shore community survey (H: 2.0 m above C.D.; M: 1.5 m above C.D.; L: 1.0 m above C.D.)*

**Table 3.5**. *Total abundance, density and number of taxon of every phylum*

| Phylum | Total Abundance | % | Density (ind. $m^{-2}$) | Number of taxon |
|---|---|---|---|---|
| *Mar 2013* | | | | |
| Mollusca | 19714 | 97.8 | 657 | 38 |
| Arthropoda | 339 | 1.7 | 11 | 12 |
| Annelida | 68 | 0.3 | 2 | 14 |
| Sipuncula | 20 | 0.1 | 1 | 2 |
| Cnidaria | 11 | 0.1 | 0 | 1 |
| Platyhelminthes | 4 | 0.0 | 0 | 1 |
| Chordata | 1 | 0.0 | 0 | 1 |
| Nemertea | 1 | 0.0 | 0 | 1 |
| Echinodermata | 1 | 0.0 | 0 | 1 |
| **Total** | 20159 | | | |

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 3.6**. *The number of individuals, relative abundance (percentage) and density of each phylum at every sampling zone.*

| Phylum | TC1 | % | Density (ind. $m^{-2}$) | TC2 | % | Density (ind. $m^{-2}$) | TC3 | % | Density (ind. $m^{-2}$) | ST | % | Density (ind. $m^{-2}$) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mollusca | 6074 | 99.3 | 810 | 2708 | 92.5 | 361 | 6491 | 99.1 | 865 | 4441 | 97.2 | 592 |
| Arthropoda | 33 | 0.5 | 4 | 201 | 6.9 | 27 | 30 | 0.5 | 4 | 75 | 1.6 | 10 |
| Annelida | 4 | 0.1 | 1 | 18 | 0.6 | 2 | 14 | 0.2 | 2 | 32 | 0.7 | 4 |
| Sipuncula | 4 | 0.1 | 1 | | | | 11 | 0.2 | 1 | 5 | 0.1 | 1 |
| Nemertea | 1 | 0.0 | 0 | | | | | | | | | |
| Platyhelminthes | 1 | 0.0 | 0 | | | | | | | 3 | 0.1 | 0 |
| Chordata | | | | | | | | | | 1 | 0.0 | 0 |
| Cnidaria | | | | | | | | | | 11 | 0.2 | 1 |
| Echinodermata | | | | | | | 1 | 0.0 | 0 | | | |
| **Sub-total** | 6117 | | | 2927 | | | 6547 | | | 4568 | | |

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 3.7**. *The abundant species (relative abundance >10%) at every sampling zone.*

| Sampling zone TC 1 | Group | Species | mean density (ind. $m^{-2}$) | relative abundance (%) | cumulative relative abundance (%) |
|---|---|---|---|---|---|
| High | G | *Batillaria multiformis* | 693 | 89 | 89 |
| Mid | G | *Batillaria multiformis* | 668 | 66 | 66 |
| | Bi | *Saccostrea cucullata* | 164 | 16 | 82 |
| Low | G | *Batillaria multiformis* | 203 | 31 | 31 |
| | Bi | *Saccostrea cucullata* | 170 | 26 | 58 |
| | G | *Monodonta labio* | 151 | 23 | 81 |

Bi = Bivalve, G = Gastropod

**Table 3.7(Cont'd)**. *The abundant species (relative abundance >10%) at every sampling zone.*

| Sampling zone TC 2 | Group | Species | mean density (ind. $m^{-2}$) | relative abundance (%) | cumulative relative abundance (%) |
|---|---|---|---|---|---|
| High | G | *Batillaria multiformis* | 308 | 62 | 62 |
| | G | *Cerithidea djadjariensis* | 86 | 17 | 79 |
| Mid | G | *Cerithidea djadjariensis* | 128 | 34 | 34 |
| | Bi | *Saccostrea cucullata* | 72 | 19 | 53 |
| | G | *Batillaria zonalis* | 50 | 13 | 66 |
| | G | *Cerithidea cingulata* | 43 | 11 | 77 |
| Low | G | *Batillaria zonalis* | 76 | 26 | 26 |
| | G | *Cerithidea djadjariensis* | 70 | 24 | 49 |
| | Bi | *Saccostrea cucullata* | 64 | 22 | 71 |
| | Ba | *Balanus amphitrite* | 50 | 17 | 88 |

Ba = Barnacle, Bi = Bivalve, G = Gastropod

**Table 3.7(Cont'd)**. *The abundant species at every sampling zone.*

| Sampling zone TC 3 | Group | Species | mean density (ind. $m^{-2}$) | relative abundance (%) | cumulative relative abundance (%) |
|---|---|---|---|---|---|
| High | G | *Batillaria multiformis* | 652 | 67 | 67 |
| | G | *Cerithidea djadjariensis* | 214 | 22 | 89 |
| Mid | G | *Batillaria multiformis* | 532 | 65 | 65 |
| | G | *Cerithidea djadjariensis* | 166 | 20 | 85 |
| Low | Bi | *Saccostrea cucullata* | 282 | 34 | 34 |
| | G | *Batillaria multiformis* | 280 | 34 | 68 |
| | G | *Monodonta labio* | 154 | 19 | 86 |

Bi = Bivalve, G = Gastropod

**Table 3.7(Cont'd)**. *The abundant species at every sampling zone.*

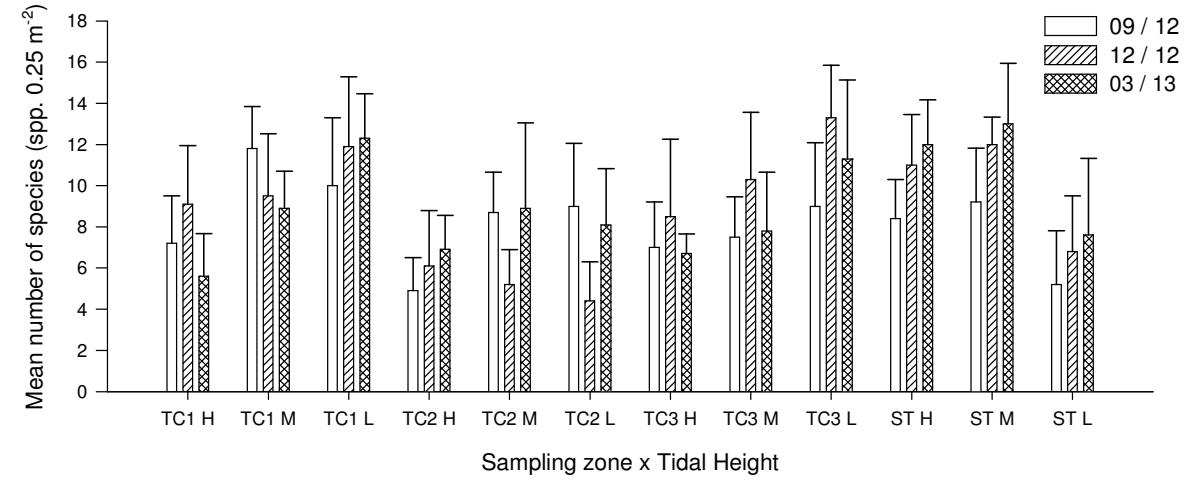
| Sampling zone ST | Group | Species | mean density (ind. $m^{-2}$) | relative abundance (%) | cumulative relative abundance (%) |
|---|---|---|---|---|---|
| High | G | *Batillaria multiformis* | 845 | 75 | 75 |
| | G | *Monodonta labio* | 114 | 10 | 85 |
| Mid | Bi | *Saccostrea cucullata* | 136 | 25 | 25 |
| | G | *Cerithidea djadjariensis* | 120 | 22 | 47 |
| | G | *Batillaria multiformis* | 62 | 11 | 58 |
| Low | Bi | *Saccostrea cucullata* | 39 | 26 | 26 |
| | G | *Batillaria zonalis* | 32 | 21 | 47 |
| | G | *Cerithidea djadjariensis* | 31 | 20 | 67 |

Bi = Bivalve, G = Gastropod

**Table 3.8**. *Mean values of number of species, density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) at every tidal level and 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 | 6 | 779 | 0.51 | | 0.29 | |
| | M | 9 | 1020 | 1.20 | 1.12 | 0.55 | 0.50 |
| | L | 12 | 647 | 1.66 | | 0.67 | |
| TC2 | H | 7 | 498 | 1.02 | | 0.55 | |
| | M | 9 | 378 | 1.46 | 1.30 | 0.70 | 0.65 |
| | L | 8 | 296 | 1.43 | | 0.70 | |
| TC3 | H | 7 | 970 | 0.96 | | 0.51 | |
| | M | 8 | 819 | 1.03 | 1.13 | 0.51 | 0.54 |
| | L | 11 | 830 | 1.41 | | 0.59 | |
| ST | H | 12 | 1126 | 1.03 | | 0.41 | |
| | M | 13 | 551 | 1.83 | 1.40 | 0.72 | 0.62 |
| | L | 8 | 151 | 1.36 | | 0.73 | |

**Figure 3.6**. *Temporal changes of number of species, density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean ± SD) at every tidal level and sampling zone*



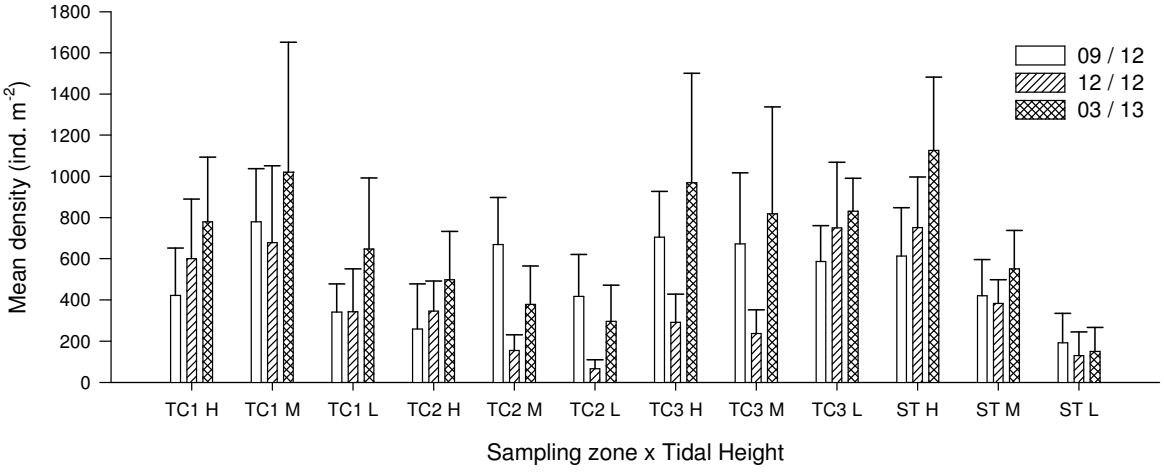
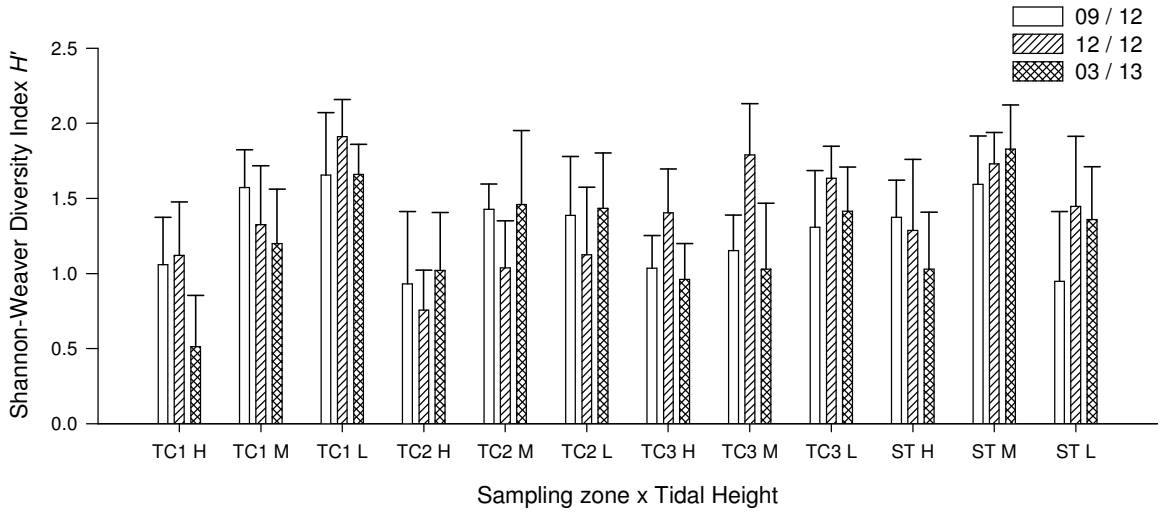
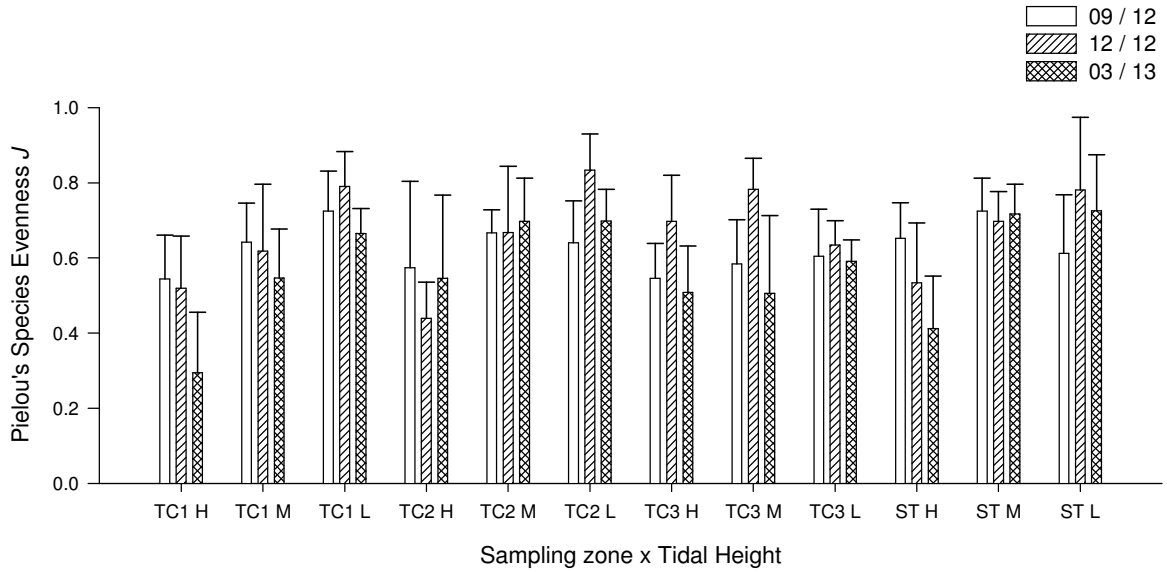
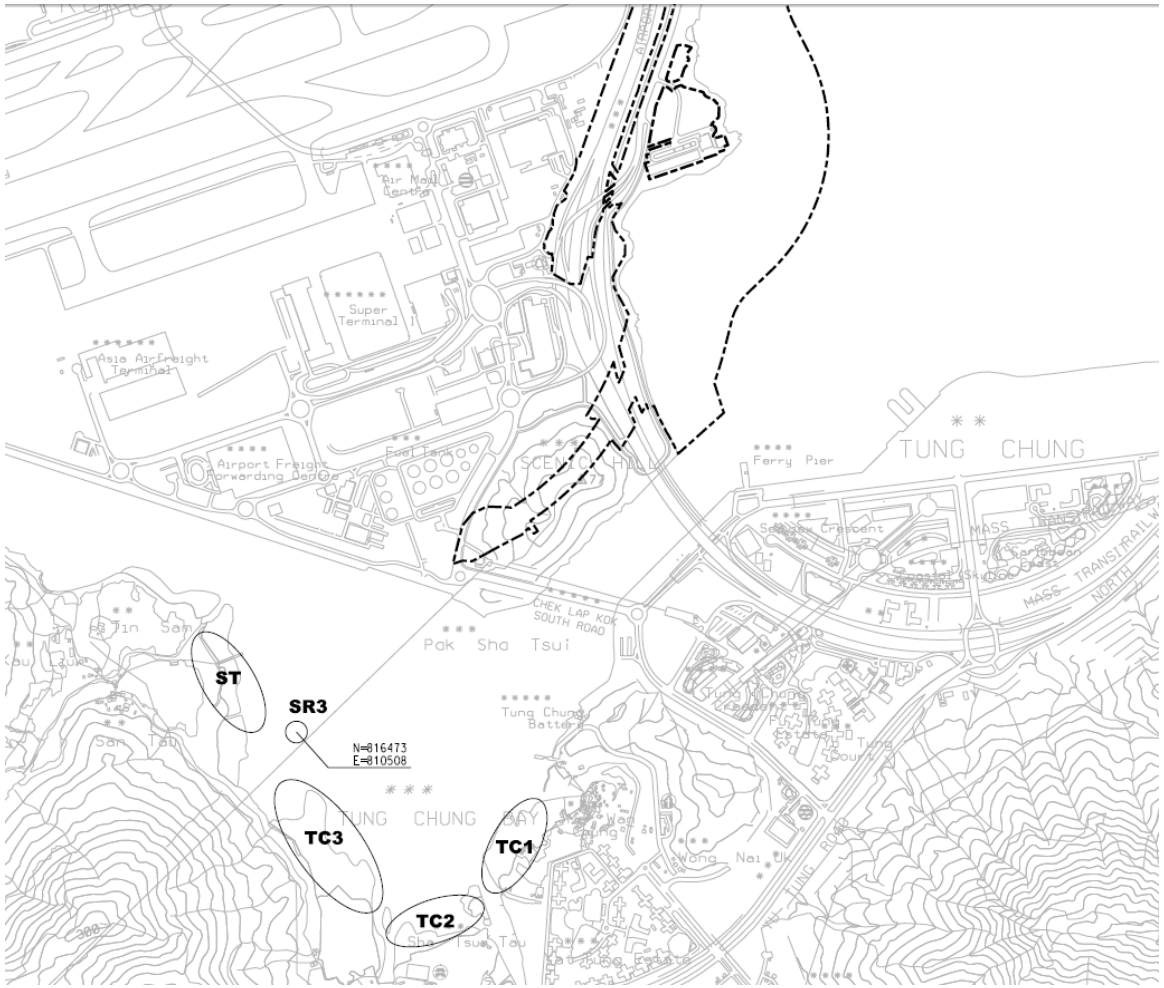



**Figure 3.6 (Cont'd)**. *Temporal changes of number of species, density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean ± SD) at every tidal level and sampling zone*



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



**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 | Eunicidae | Eunicidae spp. |
| Animalia | Annelida | Polychaeta | Eunicida | Onuphidae | Onuphidae 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 | Phyllodocida | Polynoidae | Polynoidae spp. |
| Animalia | Annelida | Polychaeta | Sabellida | Oweniidae | Oweniidae spp. |
| Animalia | Annelida | Polychaeta | Spionida | Magelonidae | *Magelonidae spp.* |
| Animalia | Annelida | Polychaeta | Spionida | Poecilochaetidae | Poecilochaetidae spp. |
| Animalia | Annelida | Polychaeta | Spionida | Spionidae | Spionidae spp. |
| Animalia | Annelida | Polychaeta | Terebellida | Cirratulidae | Cirratulidae spp. |
| Animalia | Annelida | Polychaeta | Terebellida | Pectinariidae | Pectinariidae spp. |
| Animalia | Annelida | Polychaeta | | Maldanidae | Maldanidae spp. |
| Animalia | Arthropoda | Malacostraca | Decapoda | Diogenidae | *Clibanarius* sp. |
| Animalia | Arthropoda | Malacostraca | Decapoda | Diogenidae | *Diogenes* sp. |
| Animalia | Arthropoda | Malacostraca | Decapoda | Leucosiidae | *Philyra carinata* |
| Animalia | Arthropoda | Malacostraca | Decapoda | Ocypodidae | *Macrophthalmus erato* |
| Animalia | Arthropoda | Malacostraca | Decapoda | Ocypodidae | *Uca borealis* |
| Animalia | Arthropoda | Malacostraca | Decapoda | Ocypodidae | *Uca* sp. |
| Animalia | Arthropoda | Malacostraca | Decapoda | Ocypodidae | *Uca vocans* |
| Animalia | Arthropoda | Malacostraca | Decapoda | Paguridae | *Pagurus dubius* |
| Animalia | Arthropoda | Malacostraca | Decapoda | Sesarmidae | *Clistocoeloma* sp. |
| Animalia | Arthropoda | Malacostraca | Decapoda | Sesarmidae | *Nanosesarma minutum* |
| Animalia | Arthropoda | Malacostraca | Decapoda | Varunidae | *Hemigrapsus penicillatus* |
| Animalia | Arthropoda | Maxillopoda | Sessilia | Balanidae | *Balanus amphitrite* |
| Animalia | Chordata | Actinopterygii | Perciformes | Blenniidae | *Omobranchus fasciolatoceps* |
| Animalia | Cnidaria | | | | Sea anemone |
| Animalia | Echinodermata | Holothuroidea | | | Sea cucumber |
| Animalia | Mollusca | Bivalvia | Arcoida | Arcidae | *Barbatia signata* |
| Animalia | Mollusca | Bivalvia | Arcoida | Arcidae | *Barbatia virescens* |
| Animalia | Mollusca | Bivalvia | Mytiloida | Mytilidae | *Xenostrobus atrata* |
| Animalia | Mollusca | Bivalvia | Ostreoida | Ostreidae | *Saccostrea cucullata* |

**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 | Corbiculidae | *Geloina erosa* |
| Animalia | Mollusca | Bivalvia | Veneroida | Mesodesmatidae | *Caecella chinensis* |
| Animalia | Mollusca | Bivalvia | Veneroida | Veneridae | *Anomalocardia squamosa* |
| Animalia | Mollusca | Bivalvia | Veneroida | Veneridae | *Cyclina sinesis* |
| Animalia | Mollusca | Bivalvia | Veneroida | Veneridae | *Dosinia japonica* |
| Animalia | Mollusca | Bivalvia | Veneroida | Veneridae | *Meretrix meretrix* |
| Animalia | Mollusca | Bivalvia | Veneroida | Veneridae | *Ruditapes philippinarum* |
| Animalia | Mollusca | Gastropoda | Caenogastropoda | Batillariidae | *Batillaria bornii* |
| Animalia | Mollusca | Gastropoda | Caenogastropoda | Batillariidae | *Batillaria multiformis* |
| Animalia | Mollusca | Gastropoda | Caenogastropoda | Batillariidae | *Batillaria zonalis* |
| Animalia | Mollusca | Gastropoda | Caenogastropoda | Potamididae | *Cerithidea cingulata* |
| Animalia | Mollusca | Gastropoda | Caenogastropoda | Potamididae | *Cerithidea djadjariensis* |
| Animalia | Mollusca | Gastropoda | Caenogastropoda | Potamididae | *Cerithidea rhizophorarum* |
| Animalia | Mollusca | Gastropoda | Caenogastropoda | Potamididae | *Terebralia sulcata* |
| Animalia | Mollusca | Gastropoda | Caenogastropoda | Turritellidae | *Turritella terebra* |
| Animalia | Mollusca | Gastropoda | Cephalaspidea | Philinidae | *Philine vitrea* |
| Animalia | Mollusca | Gastropoda | Cycloneritimorpha | Neritidae | *Clithon faba* |
| Animalia | Mollusca | Gastropoda | Cycloneritimorpha | Neritidae | *Clithon oualaniensis* |
| Animalia | Mollusca | Gastropoda | Cycloneritimorpha | Neritidae | *Nerita polita* |
| Animalia | Mollusca | Gastropoda | Littorinimorpha | Littorinidae | *Littoraia melanostoma* |
| Animalia | Mollusca | Gastropoda | Littorinimorpha | Littorinidae | *Littoraria articulata* |
| Animalia | Mollusca | Gastropoda | Littorinimorpha | Littorinidae | *Peasiella* sp. |
| Animalia | Mollusca | Gastropoda | Neogastropoda | Muricidae | *Thais luteostoma* |
| Animalia | Mollusca | Gastropoda | Neogastropoda | Nassariidae | *Nassarius festivus* |
| Animalia | Mollusca | Gastropoda | Neogastropoda | Nassariidae | *Nassarius semiplicatus* |
| Animalia | Mollusca | Gastropoda | | Lottiidae | *Nipponacmea concinna* |
| Animalia | Mollusca | Gastropoda | | Lottiidae | *Patelloida pygmaea* |
| Animalia | Mollusca | Gastropoda | | Nacellidae | *Cellana grata* |
| Animalia | Mollusca | Gastropoda | | Nacellidae | *Cellana toreuma* |
| Animalia | Mollusca | Gastropoda | | Trochidae | *Monodonta labio* |
| Animalia | Mollusca | Gastropoda | | Turbinidae | *Chlorostoma argyrostoma* |
| Animalia | Mollusca | Gastropoda | | Turbinidae | *Lunella coronata* |
| Animalia | Mollusca | Polyplacophora | Chitonida | Ischnochitonidae | *Lepidozona* sp. |

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

| Kingdom | Phylum | Class | Order | Family | Species |
|---|---|---|---|---|---|
| Animalia | Mollusca | Scaphopoda | Dentaliida | Dentaliidae | *Dentalium sinuosum* |
| Animalia | Nemertea | | | | Nemertea spp. |
| Animalia | Platyhelminthes | | | | Platyhelminthes spp. |
| Animalia | Sipuncula | Sipunculidea | Golfingiida | Sipunculidae | *Siphonosoma cumanense* |
| Animalia | Sipuncula | Sipunculidea | Golfingiida | Sipunculidae | *Sipunculus nudus* |

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

Mar 2013 Sampling zone TC 1 High tidal level (2.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| Bi | *Geloina erosa* | | | | | | | | | | | | | | | | | 2 | | | | 2 |
| Bi | *Saccostrea cucullata* | 7 | | 7 | | 2 | | | | | | | | | | | | 1 | | 12 | | 29 |
| Bi | *Xenostrobus atrata* | | | 1 | | | | | | | | | | | | | | | | 2 | | 3 |
| C | *Nanosesarma minutum* | | | | | | | | | | | | | | | | | | | 1 | | 1 |
| G | *Batillaria multiformis* | 175 | | 36 | | 257 | | 130 | | 71 | | 233 | | 247 | | 158 | | 186 | | 240 | | 1733 |
| G | *Cerithidea cingulata* | | | 3 | | | | | | 1 | | | | 1 | | 1 | | 2 | | 1 | | 9 |
| G | *Cerithidea djadjariensis* | 5 | | 17 | | | | 3 | | 10 | | 1 | | 5 | | 9 | | 16 | | 13 | | 79 |
| G | Clithon oualaniensis | | | | | | | | | | | | | | | | | 2 | | | | 2 |
| G | *Littoraria articulata* | | | | | | | | | | | | | | | 1 | | | | 5 | | 6 |
| G | *Lunella coronata* | | | 1 | | | | | | | | | | | | | | | | | | 1 |
| G | *Monodonta labio* | 3 | | 2 | | 2 | | 6 | | 3 | | 5 | | 3 | | 4 | | 4 | | 26 | | 58 |
| G | *Nerita polita* | | | | | | | | | | | 8 | | 6 | | 1 | | 5 | | | | 20 |
| G | *Nipponacmea concinna* | 1 | | | | | | | | | | | | | | | | | | | | 1 |
| Ne | Nemertea spp. | 1 | | | | | | | | | | | | | | | | | | | | 1 |
| Ol | Marine oligochaete spp. | | | | | | | | | | | | | 2 | | | | 1 | | | | 3 |
| | | | | | | | | | | | | | | | | | | | | | Total | 1948 |

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

Mar 2013 Sampling zone TC 1 Mid tidal level (1.5 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| Ba | *Balanus amphitrite* | | | | | 2 | | | | | | | | | | 1 | | | | | | 3 |
| Bi | *Barbatia signata* | 1 | | | | | | | | | | | | 3 | | | | | | | | 4 |
| Bi | *Barbatia virescens* | | | 2 | | | | | | | | 1 | | | | | | | | | | 3 |
| Bi | *Cyclina sinesis* | | | | | 2 | | | | | | | | | | | | | | | | 2 |
| Bi | *Ruditapes philippinarum* | | | | | | | | | | | | | 1 | | | | | | | | 1 |
| Bi | *Saccostrea cucullata* | 87 | | 7 | | 22 | | 22 | | 54 | | 16 | | 38 | | 89 | | 46 | | 28 | | 409 |
| Bi | *Xenostrobus atrata* | 5 | | 7 | | 1 | | | | 3 | | 5 | | 5 | | 20 | | 3 | | 8 | | 57 |
| C | *Hemigrapsus penicillatus* | 2 | | | | | | 1 | | | | | | 1 | | | | | | | | 4 |
| C | *Nanosesarma minutum* | 1 | | | | | | | | | | | | 2 | | | | | | | | 3 |
| G | *Batillaria bornii* | 1 | | 1 | | | | | | | | | | | | | | | | | | 2 |
| G | *Batillaria multiformis* | 135 | | 51 | 2 | 69 | | 61 | 7 | 162 | | 64 | | 56 | | 240 | | 338 | | 415 | 71 | 1671 |
| G | *Cerithidea cingulata* | | | 3 | | | 1 | | 10 | | | | | | | | | | | 29 | 17 | 60 |
| G | *Cerithidea djadjariensis* | | | 36 | 3 | | 9 | 7 | 18 | 1 | | 4 | | 12 | | 4 | | 1 | | | | 95 |
| G | *Cerithidea rhizophorarum* | | | | | | | | | | | | | | | 1 | | | | | | 1 |
| G | *Clithon oualaniensis* | | | | | | | | | | | | | | | | | | | 1 | | 1 |
| G | *Littoraria articulata* | | | | | | | | | | | | | | | | | 4 | | | | 4 |
| G | *Lunella coronata* | 2 | | 1 | | 1 | | 1 | | 2 | | 1 | | 8 | | 1 | | 1 | | | | 18 |
| G | *Monodonta labio* | 38 | | 1 | | 11 | | 16 | 1 | 21 | | 33 | | 20 | | 20 | | 27 | | 5 | | 193 |

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

Mar 2013 Sampling zone TC 1 Mid tidal level (1.5 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| G | *Nassarius festivus* | | | 4 | | | | | | | | | | | | | | | | 1 | | 5 |
| G | *Nerita polita* | | | | | | | 1 | | | | 1 | | 1 | | | | | | 3 | 1 | 7 |
| G | *Nipponacmea concinna* | | | | | | | 1 | | | | 4 | | 1 | | | | | | | | 6 |
| P | Maldanidae spp. | | | | 1 | | | | | | | | | | | | | | | | | 1 |
| Pl | Platyhelminthes spp. | 1 | | | | | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | | | Total | 2551 |

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

Mar 2013 Sampling zone TC 1 Low tidal level (1.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| Ba | *Balanus amphitrite* | | | 4 | | | | | | | | 4 | | | | | | | | | | 8 |
| Bi | *Barbatia signata* | 1 | | | | 2 | | 1 | | | | | | 2 | | 2 | | | | 2 | | 10 |
| Bi | *Barbatia virescens* | 1 | | | | 10 | | 2 | | 2 | | | | 4 | | 5 | | 1 | | 11 | | 36 |
| Bi | *Cyclina sinesis* | | | 1 | | | | | | | | | | | | | | | | | | 1 |
| Bi | *Ruditapes philippinarum* | | | | | 5 | | | | 2 | | | | 1 | | | | | | | | 8 |
| Bi | *Saccostrea cucullata* | 21 | | 12 | | 35 | | 65 | | 23 | | 39 | | 28 | | 28 | | 104 | | 71 | | 426 |
| Bi | *Xenostrobus atrata* | | | 2 | | 2 | | 2 | | 1 | | 4 | | 3 | | 10 | | 3 | | 23 | | 50 |
| C | *Hemigrapsus penicillatus* | 1 | | | | 1 | | | | | | | | | | 1 | | 1 | | 2 | | 6 |
| C | *Nanosesarma minutum* | | | | | 1 | | 1 | | 3 | | | | | | 1 | | | | 1 | | 7 |
| G | *Batillaria bornii* | 1 | | 2 | | | | 1 | | | | 1 | | | | | | | | | | 5 |
| G | *Batillaria multiformis* | 28 | | 60 | | 74 | | 52 | | 20 | | 5 | 1 | | | 72 | | 149 | | 47 | | 508 |
| G | *Cerithidea cingulata* | 2 | | | | 5 | | | | | | 2 | | | | | | | | | | 9 |
| G | *Cerithidea djadjariensis* | 7 | | 8 | | 4 | | 9 | | 2 | | 9 | 4 | | | 2 | | | | | | 45 |
| G | *Clithon oualaniensis* | 5 | | | | 4 | | 2 | | 1 | | | | 2 | | 1 | | | | | | 15 |
| G | *Lepidozona* sp. | | | | | 1 | | | | | | | | | | | | | | | | 1 |
| G | *Littoraria articulata* | | | | | | | | | | | | | | | | | 2 | | | | 2 |
| G | *Lunella coronata* | 9 | | 6 | | 4 | | 8 | | 10 | | 2 | | 1 | | 8 | | 4 | | 5 | | 57 |
| G | *Monodonta labio* | 7 | | 5 | | 46 | | 25 | | 44 | | 13 | | 29 | | 70 | | 67 | | 71 | | 377 |

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

Mar 2013 Sampling zone TC 1 Low tidal level (1.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| G | *Nassarius festivus* | 1 | | | | | | | | | | 1 | | | | | | | | | | 2 |
| G | *Nerita polita* | | | | | 1 | | 3 | | | | | | 1 | | 3 | | | | 8 | | 16 |
| G | *Nipponacmea concinna* | | | | | 3 | | 4 | | 4 | | | | | | 3 | | 2 | | 3 | | 19 |
| G | *Patelloida pygmaea* | | | | | | | | | 1 | | | | | | | | | | 1 | | 2 |
| G | *Peasiella* sp. | | | | | | | | | | | | | | | | | 1 | | | | 1 |
| G | *Thais luteostoma* | | | | | 1 | | | | 1 | | | | | | | | | | | | 2 |
| Hc | *Clibanarius* sp. | | | | | | | | | | | | | | | | | 1 | | | | 1 |
| Sp | *Siphonosoma cumanense* | | | | | | | | | | | | | 1 | | | | | | | | 1 |
| Sp | *Sipunculus nudus* | | | | | | | | | | | | | 1 | | | | 1 | | 1 | | 3 |
| | | | | | | | | | | | | | | | | | | | | | Total | 1618 |

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

Mar 2013 Sampling zone TC 2 High tidal level (2.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| Ba | *Balanus amphitrite* | 31 | | | | | | | | | | 1 | | | | | | | | | | 32 |
| Bi | *Saccostrea cucullata* | 18 | | 3 | | 39 | | 12 | | 1 | | 13 | | | | 8 | | 2 | | | | 96 |
| Bi | *Xenostrobus atrata* | | | | | | | | | | | 1 | | | | | | | | | | 1 |
| C | *Macrophthalmus erato* | 2 | | | | | | | | | | | | | | | | | | | | 2 |
| G | *Batillaria multiformis* | | | 11 | | 45 | 1 | 135 | 4 | 180 | 17 | 85 | 6 | 77 | 2 | 50 | | 126 | 3 | 27 | 1 | 770 |
| G | *Batillaria zonalis* | | | 1 | | | | 2 | | 3 | | | | 1 | | 4 | | 1 | | 5 | 4 | 21 |
| G | *Cerithidea cingulata* | | | 8 | | 6 | 2 | 3 | 2 | | 1 | 5 | 14 | 3 | | 6 | 7 | 11 | | 3 | 5 | 76 |
| G | *Cerithidea djadjariensis* | 5 | | 39 | | 29 | 19 | 22 | 17 | | | 33 | 8 | 5 | | 13 | 3 | 9 | 4 | 6 | 4 | 216 |
| G | *Cerithidea rhizophorarum* | | | | | | | | | | | 1 | | | | | | 1 | | | | 2 |
| G | *Clithon oualaniensis* | | | | | 1 | | | | | | | | | | | | | | | | 1 |
| G | *Lunella coronata* | 1 | | | | 1 | | 1 | | 2 | | 4 | | 1 | | 1 | 1 | 1 | | | | 13 |
| G | *Monodonta labio* | | | | | | | 1 | | | 1 | 1 | | | | | | | | | | 3 |
| G | *Nassarius festivus* | 1 | | | | 1 | | 1 | | 2 | | 1 | | 1 | 1 | | | | | | | 8 |
| G | *Nipponacmea concinna* | 1 | | | | | | | | | | | | | | | | | | | | 1 |
| G | *Terebralia sulcata* | 1 | | | | | | | | | | | | | | | | | | | | 1 |
| Ol | Marine oligochaete spp. | | | | | | | | | | | | | | | | 1 | | | | | 1 |

Total 1244

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

Mar 2013 Sampling zone TC 2 Mid tidal level (1.5 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| Ba | *Balanus amphitrite* | | | | | 4 | | 9 | | 8 | | 2 | | 5 | | | | 1 | | 2 | | 31 |
| Bi | *Barbatia signata* | | | | | | | 1 | | | | | | | | 1 | | | | | | 2 |
| Bi | *Barbatia virescens* | | | | | | | | | 1 | | | | 1 | | 5 | | | | | | 7 |
| Bi | *Meretrix meretrix* | | | | | | | 1 | | | | | | | | | | | | | | 1 |
| Bi | *Ruditapes philippinarum* | | | | | | 1 | 1 | | | | | | | | | | | | | | 2 |
| Bi | *Saccostrea cucullata* | | | | | 3 | | 23 | | 27 | | 31 | | 16 | | 55 | | | | 24 | | 179 |
| Bi | *Xenostrobus atrata* | | | | | | | | | 2 | | | | 2 | | 3 | | | | | | 7 |
| C | *Clistocoeloma* sp. | | | | | | | | 1 | | | | | | | | | | | | | 1 |
| C | *Hemigrapsus penicillatus* | | | | | 1 | | | | 3 | | | | 1 | | 1 | | | | | | 6 |
| C | *Nanosesarma minutum* | | | | | | | | | | | | | | | 1 | | | | | | 1 |
| C | *Uca vocans* | | | | | | | | | | | | | | 1 | | | | | | | 1 |
| G | *Batillaria bornii* | 1 | | | | | | | | 4 | | 2 | | 3 | | 5 | | | | | | 15 |
| G | *Batillaria multiformis* | | | | | | | | | 18 | | 19 | 3 | 4 | | 4 | | | | 27 | 11 | 86 |
| G | *Batillaria zonalis* | | | | 1 | | | 1 | | | | 3 | | 4 | | 26 | | 39 | 2 | 46 | 2 | 124 |
| G | *Cerithidea cingulata* | 17 | 13 | 2 | 10 | 2 | | 1 | | | | 16 | 5 | 1 | 2 | 4 | 10 | 9 | 11 | 2 | 3 | 108 |
| G | *Cerithidea djadjariensis* | 24 | 4 | 30 | 23 | 21 | 4 | 14 | | 15 | | 36 | 3 | 29 | 3 | 33 | 2 | 19 | 4 | 47 | 8 | 319 |
| G | *Clithon oualaniensis* | | | | | | | | | | | 1 | | | | | | | | 1 | | 2 |

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

Mar 2013 Sampling zone TC 2 Mid tidal level (1.5 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| G | *Littoraia melanostoma* | | | | | | | | | | | | | | | 1 | | | | | | 1 |
| G | *Lunella coronata* | | | | | | | | | 10 | | 4 | | 3 | | 5 | | | | | | 22 |
| G | *Monodonta labio* | | | | | | | | | 7 | | 4 | | | | 2 | | | | 3 | | 16 |
| G | *Nassarius festivus* | | | | | 2 | | | | | | 1 | | | 1 | | | | | | | 4 |
| G | *Nerita polita* | | | | | | | | | 3 | | | | | | 1 | | | | | | 4 |
| Hc | *Diogenes* sp. | | | 1 | | | | | | | | | | | | | | | | | | 1 |
| P | Maldanidae spp. | | | | 1 | | | | 1 | | | | | | | | 1 | | | | 1 | 4 |
| | | | | | | | | | | | | | | | | | | | | Total | | 944 |

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

Mar 2013 Sampling zone TC 2 Low tidal level (1.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| Ba | *Balanus amphitrite* | 3 | | 37 | | | | | | 16 | | 5 | | 14 | | 24 | | 10 | | 15 | | 124 |
| Bi | *Anomalocardia squamosa* | | | | | 1 | | | | | | 1 | | | | | | 1 | | | | 3 |
| Bi | *Barbatia signata* | | | | | | | | | | | | | | | | | 1 | | | | 1 |
| Bi | *Barbatia virescens* | | | | | | | | | | | 1 | | | | 3 | | 6 | | 4 | | 14 |
| Bi | *Dosinia japonica* | | | | | | | | | | | | | | | | 1 | | | | | 1 |
| Bi | *Ruditapes philippinarum* | | 1 | | | | | | | | | | | | | | 1 | | | | | 2 |
| Bi | *Saccostrea cucullata* | | | 9 | | | | | | | | 2 | | 33 | | 45 | | 58 | | 14 | | 161 |
| Bi | *Xenostrobus atrata* | | | | | | | | | | | | | | | 4 | | | | | | 4 |
| C | *Hemigrapsus penicillatus* | | | | | | | | | | | | | | | | | 1 | | | | 1 |
| C | *Nanosesarma minutum* | | | | | | | | | | | | | 1 | | | | | | | | 1 |
| G | *Batillaria bornii* | | | | | | | | | | | | | 1 | 1 | | | | | | | 2 |
| G | *Batillaria multiformis* | | | | | | | | | | | | | | | | | 1 | | 2 | | 3 |
| G | *Batillaria zonalis* | 7 | | 14 | 1 | 4 | | 3 | | 12 | 1 | 20 | | 10 | 3 | 31 | 2 | 17 | 3 | 56 | 5 | 189 |
| G | *Cerithidea cingulata* | | 1 | 1 | 1 | | | | | | 1 | 1 | | 2 | 1 | 1 | | | | 3 | 1 | 13 |
| G | *Cerithidea djadjariensis* | 4 | 2 | 9 | 10 | 16 | 7 | 9 | 3 | 9 | 7 | 25 | 5 | 17 | 4 | 4 | 2 | 11 | 3 | 25 | 2 | 174 |
| G | *Cerithidea rhizophorarum* | | | | | | | | | 1 | | 1 | | | | | | | | | | 2 |
| G | *Dentalium sinuosum* | | | | | | | | | | 2 | | | | | | | | | | | 2 |
| G | *Lunella coronata* | | | 1 | | | | | | | | | | 4 | | 7 | | 5 | | 2 | | 19 |

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

Mar 2013 Sampling zone TC 2 Low tidal level (1.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| G | *Nassarius festivus* | | | 1 | | | | 1 | | | | | | 2 | | 1 | | | | 2 | | 7 |
| G | *Nerita polita* | | | | | | | | | | | | | 1 | | | | 2 | | | | 3 |
| P | Maldanidae spp. | | 1 | | | | | | 1 | | 1 | | | | | | | | | | | 3 |
| P | Onuphidae spp. | | 1 | | | | | | 1 | | | | 4 | | | | 3 | | | | | 9 |
| P | Pectinariidae spp. | | | | | | | | | | 1 | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | | | Total | 739 |

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

Mar 2013 Sampling zone TC 3 High tidal level (2.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| Ba | *Balanus amphitrite* | | | | | | | 2 | | | | | | | | | | | | | | 2 |
| Bi | *Cyclina sinesis* | | | | | | | | | | | 1 | | | | | | 1 | | | 1 | 3 |
| Bi | *Ruditapes philippinarum* | | | | | | | | | | | | | | | | | 1 | | | | 1 |
| Bi | *Saccostrea cucullata* | | | | | 4 | | 2 | | | | | | | | | | | | | | 6 |
| C | *Philyra carinata* | | | 1 | | | | | | | | | | | | | | | | | | 1 |
| C | *Uca borealis* | 1 | | | | | | | | | | | | | | | | | | | | 1 |
| C | *Uca* sp. | | | 1 | | | | | | | 1 | | | | | | | | | | | 2 |
| G | *Batillaria multiformis* | 149 | 7 | 86 | 2 | 88 | 6 | 435 | 5 | 166 | 5 | 257 | 2 | 131 | 4 | 235 | 1 | 36 | 1 | 13 | | 1629 |
| G | *Batillaria zonalis* | 3 | | 1 | | 1 | 1 | 1 | | 3 | | 3 | | 4 | | 5 | | | | | | 22 |
| G | *Cerithidea cingulata* | 23 | 2 | 25 | | 28 | 4 | 17 | 2 | 35 | 2 | 33 | | 2 | 1 | 8 | | 8 | | 1 | | 191 |
| G | *Cerithidea djadjariensis* | 45 | 1 | 81 | 1 | 48 | 5 | 31 | 3 | 62 | | 46 | 1 | 38 | 4 | 95 | 2 | 50 | 4 | 19 | | 536 |
| G | *Cerithidea rhizophorarum* | | | | | | | | | | | | | | | 1 | | | | | | 1 |
| G | *Clithon faba* | | | | | | | 1 | | | | | | | | | | | | | | 1 |
| G | *Clithon oualaniensis* | 2 | | | | 1 | | | | | | 3 | | | | | | | | | | 6 |
| G | *Nassarius festivus* | 1 | | | | | | | | 1 | | 3 | | 3 | | 1 | | 1 | | 1 | | 11 |
| G | *Nerita polita* | 1 | | | | | | | | | | | | | | | | | | | | 1 |
| G | *Philine vitrea* | | | | | 3 | | | | | | 1 | | | | | | | | | | 4 |

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

Mar 2013 Sampling zone TC 3 High tidal level (2.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | C | sub-total |
| Hc | *Clibanarius* sp. | | | | | | | | | | | | | | | | | | | | | 1 | 1 |
| P | Maldanidae spp. | | | | | | | | | | 1 | | | | | | | | | | | 4 | 5 |
| | | | | | | | | | | | | | | | | | | | | | | Total | 2424 |

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

Mar 2013 Sampling zone TC 3 Mid tidal level (1.5 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| Ba | *Balanus amphitrite* | | | 3 | | | | | | | | | | 1 | | | | | | | | 4 |
| Bi | *Anomalocardia squamosa* | 1 | | | | | | | | | | | | | | | | | | | | 1 |
| Bi | *Caecella chinensis* | | | | | | | | | | | | | | | | | | | | 2 | 2 |
| Bi | *Dosinia japonica* | | 2 | | | | | | | | | | | | | | | | | | | 2 |
| Bi | *Saccostrea cucullata* | | | 24 | | | | | | | | | | 11 | | | | | | 4 | | 39 |
| Bi | *Xenostrobus atrata* | | | 6 | | | | | | | | | | | | | | | | | | 6 |
| C | *Hemigrapsus penicillatus* | | | 1 | | | | | | | | | | 2 | | | | | | | | 3 |
| C | *Uca* sp. | | 2 | | | | | | | | | | | | | | | | | | | 2 |
| G | *Batillaria multiformis* | 48 | 2 | 198 | 1 | 3 | | 11 | | 52 | 4 | 89 | 3 | 124 | | 82 | | 270 | 15 | 408 | 20 | 1330 |
| G | *Batillaria zonalis* | 28 | | 5 | | 12 | 1 | 13 | | 1 | 1 | 1 | | | | 1 | | | | | | 63 |
| G | *Cerithidea cingulata* | 9 | 1 | 4 | | 1 | | 8 | 2 | 12 | 8 | 18 | 1 | 50 | | 1 | | 1 | | 9 | 1 | 126 |
| G | *Cerithidea djadjariensis* | 35 | 4 | 37 | | 29 | 4 | 44 | 2 | 39 | 1 | 57 | 2 | 88 | 1 | 44 | | 3 | | 23 | 2 | 415 |
| G | *Cerithidea rhizophorarum* | 2 | | 2 | | 2 | | 2 | | 2 | | 1 | | 1 | 1 | 3 | | | | 5 | | 21 |
| G | *Littoraria articulata* | | | 1 | | | | | | | | | | | | | | | | | | 1 |
| G | *Lunella coronata* | | | 1 | | | | | | | | | | | | | | | | | | 1 |
| G | *Monodonta labio* | | | 9 | | | | | | | | 1 | | 2 | | | | | | 2 | | 14 |
| G | *Nassarius festivus* | 1 | 2 | 1 | | | | | | 1 | | 1 | | | | | | | | | | 6 |
| G | *Nassarius semiplicatus* | | | | | 1 | | 1 | | | | | | | | | | | | | | 2 |

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

Mar 2013 Sampling zone TC 3 Mid tidal level (1.5 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| G | *Patelloida pygmaea* | | | 1 | | | | | | | | | | | | | | | | 1 | | 2 |
| Hc | *Clibanarius* sp. | | | | | | | | | | | | | 1 | | | | | | | | 1 |
| Ol | Marine oligochaete spp. | | | | | | | | | | | | | | 2 | | | | 1 | | 1 | 4 |
| P | Maldanidae spp. | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | 3 |
| | | | | | | | | | | | | | | | | | | | | | Total | 2048 |

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

Mar 2013 Sampling zone TC 3 Low tidal level (1.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| Ba | *Balanus amphitrite* | | | | | | | 5 | | | | | | | | | | | | | | 5 |
| Bi | *Barbatia signata* | 2 | | 3 | | | | 4 | | 1 | | | | | | | | | | | | 10 |
| Bi | *Barbatia virescens* | 2 | | | | 3 | | 1 | | 3 | | | | | | 1 | | | | 1 | | 11 |
| Bi | *Dosinia japonica* | | | | | | | | 2 | | | | | | | | | | | | | 2 |
| Bi | *Ruditapes philippinarum* | | | | | | | 1 | 1 | | | | | | | | | | | | | 2 |
| Bi | *Saccostrea cucullata* | 56 | | 115 | | 52 | | 86 | | 99 | | 135 | | 23 | | 32 | | 49 | | 58 | | 705 |
| Bi | *Xenostrobus atrata* | 3 | | | | | | 10 | | | | 10 | | | | 7 | | 3 | | 2 | | 35 |
| C | *Hemigrapsus penicillatus* | 1 | | | | | | 1 | | 1 | | | | 1 | | 2 | | | | | | 6 |
| C | *Nanosesarma minutum* | | | | | 1 | | | | | | | | | | | | 1 | | | | 2 |
| Ec | Sea cucumber | | | | | 1 | | | | | | | | | | | | | | | | 1 |
| G | *Batillaria bornii* | 1 | | | | | | 1 | | | | | | | | | | | | | | 2 |
| G | *Batillaria multiformis* | 88 | | 26 | | 57 | | 6 | 1 | 19 | | 20 | | 116 | | 159 | | 131 | | 78 | | 701 |
| G | *Batillaria zonalis* | | | | | | | 6 | | | | | | | | | | | | | | 6 |
| G | *Cellana grata* | | | | | 1 | | | | 2 | | 4 | | | | | | 1 | | | | 8 |
| G | *Cerithidea cingulata* | | | | | | | | 1 | | | 1 | | | | 1 | | 2 | | 3 | | 8 |
| G | *Cerithidea djadjariensis* | 1 | | 2 | | 3 | | 1 | 8 | | | 1 | | 1 | | 18 | | 30 | | 11 | | 76 |
| G | *Cerithidea rhizophorarum* | | | | | | | | | 1 | | | | | | 7 | | 5 | | 3 | | 16 |
| G | *Lunella coronata* | 10 | | 2 | | 8 | | 10 | | 4 | | 2 | | | | 3 | | 7 | | 3 | | 49 |

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

Mar 2013 Sampling zone TC 3 Low tidal level (1.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| G | *Monodonta labio* | 35 | | 57 | | 27 | | 18 | | 51 | | 57 | | 21 | | 45 | | 32 | | 42 | | 385 |
| G | *Nassarius festivus* | | | | | 1 | | 1 | | | | | | | | | | | | | | 2 |
| G | *Nerita polita* | 2 | | | | 4 | | 1 | | 4 | | 1 | | 2 | | 3 | | 2 | | | | 19 |
| G | *Nipponacmea concinna* | 1 | | 1 | | 4 | | | | | | | | | | | | | | | | 6 |
| G | *Patelloida pygmaea* | 1 | | | | | | | | | | | | | | | | | | | | 1 |
| G | *Peasiella* sp. | | | | | | | 1 | | | | | | | | | | 1 | | | | 2 |
| G | *Thais luteostoma* | 2 | | | | | | | | | | | | | | | | | | | | 2 |
| P | Nereididae spp. | 1 | | | | | | | | | | | | | | | | | | | | 1 |
| P | Polynoidae spp. | | | 1 | | | | | | | | | | | | | | | | | | 1 |
| Sp | *Sipunculus nudus* | 4 | | | | | | 6 | | 1 | | | | | | | | | | | | 11 |
| | | | | | | | | | | | | | | | | | | | | | Total | 2075 |

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

Mar 2013 Sampling zone ST High tidal level (2.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| Bi | *Barbatia virescens* | | | 1 | | | | | | 1 | | | | 1 | | 1 | | | | | | 4 |
| Bi | *Ruditapes philippinarum* | | | | | 1 | | | | | | | | | | | | | | | | 1 |
| Bi | *Saccostrea cucullata* | 6 | | 6 | | 3 | | 20 | | 34 | | 11 | | 4 | | 11 | | 42 | | 28 | | 165 |
| Bi | *Xenostrobus atrata* | | | 4 | | 1 | | 6 | | 2 | | | | | | | | | | 1 | | 14 |
| C | *Clistocoeloma* sp. | | | | | | | | | | | 1 | | | | | | | | | | 1 |
| C | *Hemigrapsus penicillatus* | 2 | | | | | | 1 | | | | | | 1 | | 1 | | 2 | | | | 7 |
| Cn | Sea anemone | 3 | | | | | | | | 1 | | | | | | | | 3 | | 2 | | 9 |
| G | *Batillaria bornii* | 3 | | 1 | | 8 | | | | 24 | | 7 | | 3 | | 8 | | 2 | | | | 56 |
| G | *Batillaria multiformis* | 252 | | 326 | | 301 | | 355 | | 111 | | 246 | | 133 | | 75 | | 185 | | 128 | | 2112 |
| G | *Cellana grata* | | | | | | | | | 3 | | 4 | | 5 | | 2 | | 2 | | 3 | | 19 |
| G | *Cellana toreuma* | | | | | | | 2 | | 2 | | 1 | | | | | | | | 1 | | 6 |
| G | *Cerithidea cingulata* | 4 | | 4 | | 3 | | | | 3 | | 1 | | 8 | | 5 | | 1 | | 4 | | 33 |
| G | *Cerithidea djadjariensis* | 1 | | 3 | | 8 | | | | 4 | | 5 | | 9 | | 4 | | | | 1 | | 35 |
| G | *Cerithidea rhizophorarum* | | | | | | | | | | | | | | | | | | | 1 | | 1 |
| G | *Clithon faba* | 2 | | | | | | 3 | | | | | | | | | | | | | | 5 |
| G | *Clithon oualaniensis* | | | | | | | 2 | | | | | | 3 | | | | | | | | 5 |
| G | *Littoraria articulata* | | | | | 1 | | | | | | | | | | | | | | | | 1 |
| G | *Lunella coronata* | | | | | 3 | | 2 | | 1 | | 2 | | 8 | | 2 | | 4 | | 3 | | 25 |

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

Mar 2013 Sampling zone ST High tidal level (2.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| G | *Monodonta labio* | 22 | | 12 | | 34 | | 32 | | 35 | | 29 | | 55 | | 15 | | 21 | | 30 | | 285 |
| G | *Nassarius festivus* | | | | | | | | | | | | | 3 | | | | 1 | | | | 4 |
| G | *Nerita polita* | 1 | | | | | | | | 1 | | 1 | | 1 | | | | | | | | 4 |
| G | *Nipponacmea concinna* | 2 | | | | 3 | | 3 | | | | 1 | | | | | | 1 | | 1 | | 11 |
| G | *Patelloida pygmaea* | | | | | | | | | 2 | | 1 | | | | | | 2 | | | | 5 |
| Hc | *Clibanarius* sp. | | | | | | | | | | | | | 1 | | | | | | | | 1 |
| P | Glyceridae spp. | | | | | | | | | | | | | 1 | | | | | | | | 1 |
| Pl | Platyhelminthes spp. | | | 1 | | | | | | | | | | | | | | 1 | | | | 2 |
| Sp | *Siphonosoma cumanense* | | | | | | | | | | | | | | | | | 1 | | | | 1 |
| Sp | *Sipunculus nudus* | | | | | | | | | | | | | | | | | 1 | | | | 1 |
| | | | | | | | | | | | | | | | | | | | | Total | | 2814 |

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

Mar 2013 Sampling zone ST Mid tidal level (1.5 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| Ba | *Balanus amphitrite* | | | 1 | | | | 4 | | 4 | | 5 | | 1 | | | | | | 6 | | 21 |
| Bi | *Barbatia signata* | | | | | | | | | | | 4 | | 2 | | | | 10 | | | | 16 |
| Bi | *Barbatia virescens* | | | | | | | | | 3 | | | | 3 | | 1 | | 3 | | 3 | | 13 |
| Bi | *Cyclina sinesis* | | | | | 2 | | | | | | | | | | | | | | | | 2 |
| Bi | *Dosinia japonica* | | | | | | | | 2 | | 1 | | | | | | | | | | | 3 |
| Bi | *Saccostrea cucullata* | 14 | | 6 | | | | 16 | | 62 | | 63 | | 55 | | 38 | | 57 | | 30 | | 341 |
| Bi | *Xenostrobus atrata* | | | | | | | | 1 | | | 4 | | 7 | | 1 | | 1 | | | | 14 |
| C | *Hemigrapsus penicillatus* | | | | | | | | | | | | | 2 | | | | | | | | 2 |
| C | *Nanosesarma minutum* | | | | | | | | | | | | | | | | | 1 | | | | 1 |
| Cn | Sea anemone | | | | | | | | | 1 | | | | | | | | | | | | 1 |
| F | *Omobranchus fasciolatoceps* | | | | | | | | | | | | | | | | | 1 | | | | 1 |
| G | *Batillaria bornii* | 17 | 1 | | | | | | | 6 | | 3 | | 10 | | 7 | | 13 | | 7 | | 64 |
| G | *Batillaria multiformis* | 3 | 2 | 1 | | 6 | | | | 3 | | 2 | | 27 | | 13 | 2 | 54 | | 41 | | 154 |
| G | *Batillaria zonalis* | 3 | | 10 | | 22 | | 17 | | 18 | 4 | 4 | | | | | | | | | | 78 |
| G | *Cellana grata* | | | | | | | | | | | | | 2 | | | | 1 | | | | 3 |
| G | *Cellana toreuma* | | | | | | | | | | | | | 2 | | 2 | | 2 | | | 2 | 8 |
| G | *Cerithidea cingulata* | 18 | 1 | 4 | | 1 | 3 | 2 | | | | 2 | | 22 | | 12 | | 2 | | 6 | | 73 |
| G | *Cerithidea djadjariensis* | 58 | 8 | 44 | 2 | 46 | 3 | 25 | | 15 | 1 | 37 | | 24 | | 13 | | 11 | | 13 | | 300 |

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

Mar 2013 Sampling zone ST Mid tidal level (1.5 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| G | *Cerithidea rhizophorarum* | 3 | | 3 | | | | 1 | | | | | | 2 | | 1 | | | | 1 | | 11 |
| G | *Clithon faba* | | | | | | | | | | | | | | | 1 | | | | | | 1 |
| G | *Lunella coronata* | 12 | | 1 | | | | 4 | | 21 | | 11 | | 12 | | 10 | | 23 | | 7 | | 101 |
| G | *Monodonta labio* | 2 | | | | | | | | | | | | 30 | | 27 | | 33 | | 20 | | 112 |
| G | *Nassarius festivus* | | | 1 | | 1 | | 12 | 3 | | 2 | 1 | | 1 | | | 1 | | | | | 22 |
| G | *Nerita polita* | | | | | | | | | | | 2 | | 5 | | 1 | | 2 | | 4 | | 14 |
| G | *Patelloida pygmaea* | | | | | | | | | | | | | | | | | 1 | | 2 | | 3 |
| G | *Peasiella* sp. | | | | 1 | | | | | | | | | | | | | | | | | 1 |
| G | *Turritella terebra* | | | | | 1 | | | | | | | | | | | | | | | | 1 |
| Hc | *Clibanarius* sp. | | | 1 | | | | | | | | | | | | 1 | | | | | | 2 |
| Hc | *Pagurus dubius* | | | | | | | | | | | | | | | 4 | | | | | | 4 |
| P | Cirratulidae spp. | | | 1 | | | | | | | | | | | | | | | | | | 1 |
| P | Maldanidae spp. | | | | | | 2 | | | | | | | | | | | | | | | 2 |
| P | Onuphidae spp. | | | | | | 2 | | | | | | | | | | | | | | | 2 |
| P | Pectinariidae spp. | | 1 | | | | | | | | | | | | | | | | | | | 1 |
| Pl | Platyhelminthes spp. | | | | | | | | | 1 | | | | | | | | | | | | 1 |
| Sp | *Sipunculus nudus* | | | | | | | | | 1 | | 1 | | 1 | | | | | | | | 3 |
| | | | | | | | | | | | | | | | | | | | | | Total | 1377 |

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

Mar 2013 Sampling zone ST Low tidal level (1.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| Ba | *Balanus amphitrite* | 6 | | | | | | | | | | 7 | | | | | | | | 20 | | 33 |
| Bi | *Barbatia signata* | 1 | | | | | | | | | | | | | | | | | | 1 | | 2 |
| Bi | *Barbatia virescens* | | | | | | | | | | | 1 | | | | | | | | 1 | | 2 |
| Bi | *Dosinia japonica* | | 2 | | 2 | | 1 | | | | | | 1 | | | | 1 | | | | | 7 |
| Bi | *Saccostrea cucullata* | 16 | | | | | | | | | | 26 | | | | | | | | 55 | | 97 |
| Bi | *Xenostrobus atrata* | 2 | | | | | | | | | | | | | | | | | | 5 | | 7 |
| C | *Hemigrapsus penicillatus* | 1 | | | | | | | | | | 1 | | | | | | | | | | 2 |
| C | *Nanosesarma minutum* | | | | | | | | | | | 1 | | | | | | | | | | 1 |
| Cn | Sea anemone | | | | | | | | | | | 1 | | | | | | | | | | 1 |
| G | *Batillaria bornii* | | 1 | | | | | | | | | | | | | | | | | | | 1 |
| G | *Batillaria multiformis* | 6 | | 3 | | | | | | 1 | | | | 1 | | 2 | | | | | | 13 |
| G | *Batillaria zonalis* | 19 | 5 | 30 | | 1 | | | | | | 4 | | 12 | | 7 | | 1 | | | | 79 |
| G | *Cerithidea cingulata* | | | | | | | | | | | 1 | 1 | | | 2 | 1 | | | 1 | | 6 |
| G | *Cerithidea djadjariensis* | | | 1 | 1 | | | 1 | | 14 | 2 | 11 | 1 | 10 | 2 | 26 | 1 | 4 | | 3 | | 77 |
| G | *Cerithidea rhizophorarum* | | | | | | | | | 1 | | | | | | | | | | | | 1 |
| G | *Chlorostoma argyrostoma* | | | | | | | | | | | | | | | | | | | 1 | | 1 |
| G | *Dentalium sinuosum* | | 1 | | | | | | | | | | | | | | | | | | | 1 |
| G | *Lunella coronata* | 2 | | | | | | | | | | 1 | | | | | | | | 4 | | 7 |

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

Mar 2013 Sampling zone ST Low tidal level (1.0 m above C.D.)

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gp | Taxon | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | Q | C | sub-total |
| G | *Nassarius festivus* | 1 | | 1 | | | | 3 | | 1 | | 2 | | | | 3 | | | | 1 | | 12 |
| G | *Peasiella* sp. | 1 | 1 | | | | | | | | | | | | | | | | | | | 2 |
| P | Eunicidae spp. | | | 1 | | | | | | | | | | | | | | | | | | 1 |
| P | Goniadidae spp. | | | | | | | | | | | | | | 1 | | 1 | | | | 1 | 3 |
| P | Magelonidae spp. | | | | | | 1 | | | | | | | | | | | | | | | 1 |
| P | Maldanidae spp. | | 1 | 1 | | | 2 | | | | | | | | | | | | 1 | | | 5 |
| P | Onuphidae spp. | | | 4 | | | | | 2 | | 2 | | | 1 | 2 | | | | 1 | | | 12 |
| P | Oweniidae spp. | | | 1 | | | | | | | | | | | | | | | | | | 1 |
| P | Poecilochaetidae spp. | | | | | | 1 | | | | | | | | | | | | | | | 1 |
| P | Spionidae spp. | | | | | | 1 | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | | | Total | 377 |