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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.2 (December 2012 to February 2013)

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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 second 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 December 2012 to 28 February 2013.

Environmental Monitoring and Audit Progress

The EM&A programme were undertaken in accordance with the Updated EM&A Manual for HKLR (Version1.0). A summary of the monitoring activities during this reporting period is presented as below:

Monitoring Activity		Monitoring Date		
		December 2012	January 2013	February 2013
Air Quality	1-hr TSP	7, 13, 19, 24 and 28	3, 9, 15, 21, 25 and 31	6, 14, 20, and 26
	24-hr TSP	6, 12, 18, 21 and 27	2, 8, 14, 18, 24 and 30	6, 14, 19, and 25
Noise		3, 13, 19 and 24*	3, 9, 15, 21 and 31	6, 14, 20, and 26
Water Quality		1, 3, 5, 8, 10, 12, 14, 17, 19, 21, 24, 26, 28 and 31	2, 4, 7, 9, 11, 14, 16, 18, 21, 23, 25, 28 and 30	1, 4, 6, 8, 11, 13, 15, 18, 20, 22, 25 and 27
Chinese White Dolphin		6, 7, 11 and 13	2, 4, 8 and 10	1, 6, 18 and 20
Mudflat Monitoring		1, 2, 3, 8, 15 and 16	-	-
Site Inspection		4, 11, 18 and 28	2, 10, 15, 22 and 29	5, 14, 19, and 26

*There were problems about the extension cable for the noise monitoring undertaken on 24 Dec 2012 and the measured noise levels were considered invalid.

Breaches of Action and Limit Levels

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

Environmental Monitoring	Parameters	Action Level (AL)	Limit Level (LL)
Air Quality	1-hr TSP	0	0
	24-hr TSP	0	0
Noise	$L_{eq\ (30\ min)}$	0	0
Water Quality	Suspended solids level (SS)	51	350
	Turbidity level	59	305
	Dissolved oxygen level (DO)	0	0

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

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

Implementation of Mitigation Measures

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

Complaint Log

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-2013-015	17 January 2013	Air Quality
COM-2013-016	18 January 2013	Water Quality

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 second 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 December 2012 to 28 February 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
WA 6	Construction of site office
Portion Y	Ground Investigation Work Site clearing for road and drainage work Erection of Hoardings and Fencings at Site Boundaries Installation of Soil Nails Access Shaft Construction for SHT & HAT
Portion B	Site formation work for tunnelling at West Portal
Portion X	Marine Site investigation Installation of silt curtain and geotextile laying Removal of armour rocks of existing seawall Formation of temporary stone platform Installation of stone column
Kwo Lo Wan Road	Reclamation

2 EM&A Requirement

2.1 Summary of EM&A Requirements

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

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

Table 2.1 Summary of Impact EM&A Requirements

Environmental Monitoring	Description	Monitoring Station	Frequencies	Remarks
Air Quality	1-hr TSP	AMS 5 & AMS 6	At least 3 times every 6 days	While the highest dust impact was expected.
	24-hr TSP		At least once every 6 days	--
Noise	$L_{eq\ (30mins)}$, $L_{10\ (30mins)}$ and $L_{90\ (30mins)}$	NMS5	At least once per week	Daytime on normal weekdays (0700-1900 hrs).
Water Quality	• Depth • Temperature • Salinity • Dissolved Oxygen (DO) • Suspended Solids (SS) • DO Saturation • Turbidity • pH	• Impact Stations: IS5, IS(Mf)6, IS7, IS8, IS(Mf)9 & IS10, • Control/Far Field Stations: CS2 & CS(Mf)5, • Sensitive Receiver Stations: SR3, SR4, SR5, SR10A & SR10B	Three times per week during mid-ebb and mid-flood tides (within ± 1.75 hour of the predicted time)	3 (1 m below water surface, mid-depth and 1 m above sea bed, except where the water depth is less than 6 m, in which case the mid-depth station may be omitted. Should the water depth be less than 3 m, only the mid-depth station will be monitored).
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	47.0 or 130% of turbidity at the upstream control station at the same tide of same day
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	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

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.

2.3 Event Action Plans

The Event Actions Plans for air quality, noise and water quality 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 5, 6, 7, 8 and 10 December 2012. 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 ($\mu g/m^3$)
December 2012	AMS5	99	27 – 267	352	500
	AMS6	67	29 – 177	360	
January 2013	AMS5	71	26 – 127	352	
	AMS6	88	38 – 234	360	
February 2013	AMS5	56	31 – 98	352	
	AMS6	58	27 – 98	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 ($\mu g/m^3$)
December 2012	AMS5	81	36 – 161	164	260
	AMS6	78	42 – 125	173	
January 2013	AMS5	107	68 – 128	164	
	AMS6	114	49 – 170	173	
February 2013	AMS5	48	30 – 64	164	
	AMS6	48	17 – 70	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)
December 2012	NMS5	61	60 – 63	When one documented complaint is received	75
January 2013		63	58 – 75		
February 2013		60	58 – 63		

*+3dB(A) Façade 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 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 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).

3.5.3 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 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).

3.5.4 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

3.5.5 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.

3.5.6 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

3.5.7 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.

3.5.8 From these surveys, a total of 900.45 km of survey effort was collected, with 95.0% 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, 345.69 km and 544.76 km of survey effort were conducted in NEL and NWL survey areas respectively. In addition, the total survey effort conducted on primary lines was 660.41, while the effort on secondary lines was 240.04 km. Survey effort conducted on primary and secondary lines were both considered as on-effort survey data.

3.5.9 During the six sets of monitoring surveys in December 2012, and January and February 2013, a total of 48 groups of 187 Chinese White Dolphins were sighted. All except two sightings were made during on-effort search. Forty on-effort sightings were made on primary lines, while another six on-effort sightings were made on secondary lines. Among the two survey areas, 8 groups of 21 dolphins were sighted in NEL, while the other 40 groups of 166 dolphins were sighted in NWL.

Distribution

3.5.10 Distribution of dolphin sightings made during monitoring surveys in December 2012, and January and February 2013 was shown in **Figure 1 of Appendix J**. The majority of the dolphin sightings were made around Lung Kwu Chau, while other sightings were scattered to the northeast of the airport platform as well as near the Brothers Islands during the three-month study period during the two-month study period.

3.5.11 No dolphin was sighted in the vicinity of the HKLR03 reclamation site, but a sighting was made near the adjacent HKBCF reclamation site during the three-month study period (**Figure 1 of Appendix J**). One dolphin sighting was also made along the alignment of the HKLR09 section to the west of the airport.

3.5.12 When compared with the sighting distribution of dolphins during baseline monitoring surveys in September to November 2011, it appears that more sightings were made around Lung Kwu Chau and near the western border adjacent to the Sha Chau and Lung Kwu Chau marine park in the present quarter (**Figure 1 of Appendix J**). In addition, more sightings were made near the northeast corner of the airport platform, while fewer sightings were made near Pillar Point, the HKBCF reclamation site and around the Brothers Islands during the present three-month period than the baseline period (**Figure 1 of Appendix J**).

Encounter Rate

3.5.13 For the three-month study period in December 2012, and January and February 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 there Reporting Period (Dec 2012 – Feb 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 (4 & 6 Dec 2012)	5.42	10.84
	Set 2 (11 & 13 Dec 2012)	0.00	0.00
	Set 3 (2 & 4 Jan 2013)	2.65	2.65
	Set 4 (8 & 10 Jan 2013)	8.24	21.98
	Set 5 (1 & 6 Feb 2013)	2.54	2.54
	Set 6 (18 & 20 Feb 2013)	0.00	0.00
Northwest Lantau	Set 1 (4 & 6 Dec 2012)	5.60	21.01
	Set 2 (11 & 13 Dec 2012)	13.73	60.78
	Set 3 (2 & 4 Jan 2013)	5.57	43.14
	Set 4 (8 & 10 Jan 2013)	3.08	12.33
	Set 5 (1 & 6 Feb 2013)	15.54	63.56
	Set 6 (18 & 20 Feb 2013)	6.62	14.57

Table 3.5 Comparison of Average Dolphin Encounter Rates between Reporting Period (Dec 2012 – Feb 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	3.14 ± 3.21	6.00 ± 5.05	6.33 ± 8.64	22.19 ± 26.81
Northwest Lantau	8.36 ± 5.03	9.85 ± 5.85	35.90 ± 23.10	44.66 ± 29.85

3.5.15 The average dolphin encounter rates (both STG and ANI) in the present three-month study period were 48% and 71% lower than the ones recorded in the 3-month baseline period in NEL, indicating a much lower dolphin usage during this impact phase monitoring period in this survey area. On the other hand, the average dolphin encounter rate (both STG and ANI) in NWL during the present impact phase monitoring period was only slightly lower (reductions of 15 and 20% respectively) than the ones recorded in the 3-month baseline period.

3.5.16 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 (second quarter of the impact phase), the p-value for the differences in average dolphin encounter rates of STG and ANI were 0.2810 and 0.3011 respectively. On the other hand, for the comparison between the baseline period and the cumulative quarters in impact phase (i.e. first and second quarters of the impact phase), the p-value for the differences in average dolphin encounter rates of STG and ANI were 0.0529 and 0.1917 respectively. Based on the alpha value of 0.05, no significant difference was detected between the baseline period and the present quarter, as well as between the baseline period and the cumulative quarters in impact phase.

3.5.17 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 7.46 sightings and 31.2 dolphins per 100 km of survey effort respectively, while the encounter rates of sightings (STG) and dolphins (ANI) in NEL were 2.31 sightings and 6.07 dolphins per 100 km of survey effort respectively.

Group Size

3.5.18 Group size of Chinese White Dolphins ranged from 1-7 individuals per group in NEL and 1-17 individuals per group in NWL during December 2012 to February 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 (Dec 2012 to Feb 2013) and Baseline Monitoring Period (Sep– Nov 2011)

	Average Dolphin Group Size	
	Reporting Period	**Baseline Monitoring Period**
Overall	3.90 ± 3.53 (n = 48)	3.72 ± 3.13 (n = 66)
Northeast Lantau	2.63 ± 2.13 (n = 8)	3.18 ± 2.16 (n = 17)
Northwest Lantau	4.15 ± 3.71 (n = 40)	3.92 ± 3.40 (n = 49)

3.5.19 The average dolphin group sizes in the entire North Lantau region during December 2012 – February 2013 was slightly higher than the ones recorded in the 3-month baseline period (**Table 3.6**). Among the two areas, the average dolphin group size in NEL during the impact phase monitoring period was slightly lower than the baseline period, while the one in NWL was slightly higher (**Table 3.6**).

3.5.20 Distribution of dolphins with larger group sizes during December 2012 to February 2013 is shown in **Figure 2 of Appendix J**. These groups were mostly concentrated around the Lung Kwu Chau area, which included four large dolphin groups with more than 10 animals in each group. However, only one group of seven animals was sighted in NEL during the impact

phase monitoring period while the rest of the dolphin groups sighted composed of a few individual.

Habitat Use

3.5.21 From December 2012 to February 2013, the most heavily utilized habitats by Chinese White Dolphins mainly concentrated around Lung Kwu Chau and Sha Chau in NWL, as well as near Siu Ho Wan in NEL (**Figures 3a and 3b of Appendix J**).

3.5.22 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.

3.5.23 Notably, one grid near HKBCF (P17) recorded moderately high SPSE (16.7) and DPSE values (66.7), but none of the grids along the alignment of HKLR recorded any dolphin densities. This was different from the baseline period when several grids along the alignment of HKLR (Grids F21 and G20, to the west of the airport platform) recorded moderate to high dolphin densities.

3.5.24 Notably, one grid near HKBCF (P17) recorded moderately high SPSE/DPSE values, but none of the grids along the alignment of HKLR recorded any dolphin densities. This was different from the baseline period when several grids along the HKLR alignment of HKLR (Grids F21 and G20) recorded moderate to high dolphin densities.

Mother-calf Pairs

3.5.25 During the three-month study period, a total of one unspotted calf (UC) and 10 unspotted juveniles (UJ) were sighted in NEL and NWL survey areas. These young calves comprised 6.4% of all animals sighted, which was very similar to the percentage recorded during the baseline monitoring period (6.8%).

3.5.26 These young calves mainly occurred within the Sha Chau and Lung Kwu Chau Marine Park, while some calves were also sighted near Black Point and Siu Ho Wan (**Figure 4 of Appendix J**). Notably, no young calves were found in the vicinity of the HKLR or HKBCF work sites in December 2012 to February 2013.

Activities and Associations with Fishing Boats

3.5.27 A total of 14 dolphin sightings were associated with feeding and socializing activities during the three-month study period, comprising of 16.7% and 12.5% of the total number of dolphin sightings. Both percentages were higher than the percentages recorded during the baseline period (feeding activity: 11.6%; socializing activity: 5.4%). Only a lone dolphin was engaged in traveling activity near the HKBCF site in NEL (**Figure 5 of Appendix J**).

3.5.28 Distribution of dolphins engaged in different activities during the three-month study period is shown in (**Figure 5 of Appendix J**). Most of the feeding and socializing activities occurred between Sha Chau and Lung Kwu Chau, while some were also made near Siu Ho Wan (**Figure 5 of Appendix J**). Moreover, one group of four dolphins was engaged in traveling activity to the east of the HKBCF site.

3.5.29 During the three-month period, only one dolphin group were found to be associated with an operating shrimp trawler, comprising of 2.1% 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.

<u>Photo-identification and Individual Range Use</u>

3.5.30 From December 2012 to February 2013, over 3,000 digital photographs of Chinese White Dolphins were taken during the impact phase monitoring surveys for the photo-identification work.

3.5.31 In total, 57 individuals sighted 103 times altogether were identified (see summary table in **Appendix III of Appendix J**). The number of re-sightings made in NEL and NWL were 13.6% and 86.4% of the total respectively. Notably, a very high percentage of dolphins sighted in NEL (14 out of 21 dolphins) were identified as known individuals, and these are all considered to be year-round residents (e.g. EL01, NL18, NL33, NL123) that regularly occur in North Lantau waters.

3.5.32 Most identified individuals were sighted only once or twice during the three-month period, with the exception of 13 individuals being sighted thrice (e.g. NL93, NL139, NL165), and one individual being sighted four times (NL260).

3.5.33 Ranging patterns of the 57 individuals identified during the three-month study period were determined by fixed kernel method, and are shown in **(Appendix IV of Appendix J)**. Notably, many of these individuals being sighted a few times ranged extensively across NEL and NWL.

3.5.34 A number of individuals were sighted in both NEL and NWL survey areas (e.g. EL01, NL123, NL136, NL179, NL285), indicating that the on-going HZMB construction works have not seriously affected their movement between the two areas.

3.5.35 However, a number of year-round residents (e.g. CH34, NL118, NL191, NL284) that used to utilize the Brothers Islands as their core areas have not been seen there during this quarter and the previous quarter. Their range use should be continuously monitored in the upcoming quarters to determine whether their movement into NEL has been affected by the reclamation works of HKLR03 or HKBCF

3.5.36 It should be noted that only a very few individuals ((i.e. NL49, NL93, NL191, NL246, NL259, NL260)) have their ranges overlapped with the HKLR03 construction works (**Appendix IV of Appendix J**), and their movement will likely not be affected by the reclamation works of the present project. Nevertheless, the range use of individual dolphins will be continuously monitored throughout the construction period to examine whether any shift in ranging pattern has occurred as a result of the HZMB construction activities.

3.6 Mudflat Monitoring Results

Sedimentation Rate Monitoring

3.6.1 The baseline sedimentation rate monitoring was in September 2012 and impact sedimentation rate monitoring was undertaken on 2 December 2012. 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 (December 2012)		
Monitoring Station	Easting (m)	Northing (m)	Surface Level (mPD)	Easting (m)	Northing (m)	Surface Level (mPD)
S1	810291.160	816678.727	0.950	810291.1	816678.9	1.039
S2	810958.272	815831.531	0.864	810958.4	815831.7	0.887

S3	810716.585	815953.308	1.341	810716.7	815953.4	1.390
S4	811221.433	816151.381	0.931	811221.4	816151.3	0.974

Table 3.7 Comparison of measurement

	Comparison of measurement			Remarks and Recommendation
Monitoring Station	Easting (m)	Northing (m)	Surface Level (mPD)	
S1	-0.030	0.215	0.089	Larger than tolerance, need attention in the next survey
S2	0.166	0.164	0.023	Within tolerance, no significant change
S3	0.091	0.073	0.049	Within tolerance, no significant change
S4	-0.047	-0.042	0.043	Within tolerance, no significant change

3.6.2 This first measurement was generally and relatively higher than the baseline measurement. All positions were re-measured by real time setting out method so that they were very close to the last survey positions and within 0.3m.

3.6.3 S2, S3 and S4 all had higher value than the last survey but within the measurement tolerance, say 60mm. Therefore, their sea bed depth would not be considered as significant change.

3.6.4 S1 had relative higher value of 89mm than the above three positions. This was about 29mm more than the expected tolerance or half tolerance more. Therefore, it was recommended to pay attention on this point in the next round survey to reconfirm the change of elevation at this position. It was noted that this location has sea shells deposit and the terrain was relatively rough.

Water Quality Monitoring

3.6.5 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**.

3.6.6 Impact water quality monitoring in San Tau (monitoring station SR3) was conducted in December 2012. The monitoring parameters included dissolved oxygen (DO), turbidity and suspended solids (SS).

3.6.7 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-Dec-12	6.7	14.3	14.3	6.6	12.5	12.5
03-Dec-12	6.7	12.7	9.1	6.7	13.4	11.9
05-Dec-12	6.9	11.4	9.6	6.8	11.0	7.9

Date	Mid Ebb Tide			Mid Flood Tide		
	DO (mg/L)	Turbidity (NTU)	SS (mg/L)	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
08-Dec-12	6.7	10.1	5.5	7.0	11.7	11.0
10-Dec-12	7.0	11.8	7.9	7.1	10.6	9.8
12-Dec-12	7.2	14.5	10.7	7.1	9.3	10.0
14-Dec-12	7.3	13.9	14.9	7.1	10.2	10.3
17-Dec-12	7.1	7.7	10.7	7.0	10.3	12.5
19-Dec-12	7.3	6.7	9.5	7.3	9.7	15.2
21-Dec-12	7.5	5.0	10.3	7.4	9.8	18.8
24-Dec-12	7.7	3.0	4.1	7.9	2.4	5.9
26-Dec-12	7.5	3.9	8.1	7.5	5.5	8.8
28-Dec-12	7.5	5.8	5.7	7.5	4.6	6.0
31-Dec-12	8.2	5.0	15.1	7.9	4.4	8.2
Average	**7.2**	**9.0**	**9.7**	**7.2**	**9.0**	**10.6**

Mudflat Ecology Monitoring

Sampling Zone

3.6.8 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

3.6.9 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. The horseshoe crab surveys were conducted on 3rd (for zones TC3 and ST) and 8th (for zones TC1 and TC2) December, 2012 with windy and cloudy weather.

Seagrass Beds

3.6.10 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 3rd (for zones TC3 and ST) and 8th (for zones TC1 and TC2) December, 2012 with windy and cloudy weather.

Intertidal Soft Shore Communities

3.6.11 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.

3.6.12 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. 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 1st (for TC3), 2nd (for ST), 15th (for TC1) and 16th December 2012 (for TC2).

Data Analysis

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

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

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

Mudflat Ecology Monitoring Results and Conclusion

Horseshoe Crabs

3.6.14 Table 3.1 and Figure 3.1 of **Appendix O** show the record of horseshoe crab survey at every sampling zone. There were 12 individuals of *Tachypleus tridentatus* and 4 individuals of *Carcinoscorpius rotundicauda* observed at ST respectively. In addition, all individuals were found in soft mud substratum. The horseshoe crab *Carcinoscorpius rotundicauda* was found whereas this species was not recorded in the baseline survey conducted in September 2012. Grouping was observed on both species while each group consisted of 2 to 3 individuals. Survey results are presented in Table 3.1 of **Appendix O**.

3.6.15 According to Table 3.2 of **Appendix O**, search records of *Tachypleus tridentatus* and *Carcinoscorpius rotundicauda* were 2.40 ind. hr^{-1} $person^{-1}$ (mean prosomal widths were 17.31 mm) and 0.80 ind. hr^{-1} $person^{-1}$ (mean prosomal widths were 18.79 mm) respectively at ST. According to Li (2008), the prosomal width of *Tachypleus tridentatus* recorded ranged 12.20 – 22.69 mm that corresponded to an age of 1.8 – 3.0 years old. For *Carcinoscorpius rotundicauda,* the prosomal width recorded ranged 11.42—26.79 mm, that corresponded to an age of 2.1 – 4.5 years old (Li, 2008). Summary of prosomal width of horseshoe crab is shown in **Table 3.9**.

Table 3.9 Summary of Prosomal Width of Horseshoe Crab Survey

	TC1	TC2	TC3	ST
Search duration (hr)	N.A.	N.A.	N.A.	2.5
Tachypleus tridentatus				
No. of individuals				12
Mean prosomal width (mm)				17.31
Range of prosomal width (mm)				12.20 - 22.69
Search record (individual hr^{-1} $person^{-1}$)				2.40
Carcinoscorpius rotundicauda				
No. of individuals				4
Mean prosomal width (mm)				18.79
Range of prosomal width (mm)				11.42 - 26.79
Search record (individual hr^{-1} $person^{-1}$)				0.80

3.6.16 At the sampling zone ST, the search record of horseshoe crab *Tachypleus tridentatus* decreased slightly from 2.67 ind. hr^{-1} $person^{-1}$ in the baseline survey (conducted in September 2012) to 2.40 ind. hr^{-1} $person^{-1}$ in the present survey. For the size of horseshoe crab, smaller individuals were collected in the present survey that the mean prosomal width (17.31mm) was less than that (24.41mm) of baseline survey. It might be a seasonal variation of data collection. Since horseshoe crabs tends to be inactive and burrow themselves deep in sediments in cold, dry season. Smaller individuals have relatively less energy reserve. Smaller ones would have longer foraging time on sediment surface to survive. It would lead to higher encounter rate of smaller individuals during dry season survey. Therefore significant changes of population structure or cohort pattern were not determined.

3.6.17 The present survey was the first 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) was observed, it would be reported as soon as possible.

Seagrass Beds

3.6.18 Table 3.3 and Figure 3.2 of **Appendix O** show the record of seagrass beds survey at every sampling zone. Two patches of *Halophila ovalis* were recorded at sampling zone ST only. The estimated total area and mean area of this seagrass bed were 481.0 m^2 and 240.5 m^2 respectively while the estimated coverage ranged 50 to 85%. Survey results for seagrass beds are presented in Table 3.3 of **Appendix O**.

3.6.19 Relative to the baseline monitoring conducted in September 2012, the location of *Halophila ovalis* were the same but the total area (from 332.3 to 481 m^2) was higher in present survey. It was believed that the three smaller patches of seagrass (18.9-34.7 m^2), recorded in previous baseline survey, grew and merged into single, large patch.

3.6.20 The present survey was the first time of sampling of the EM&A programme during the construction period. Based on the results, impacts of the HKLR project could not be detected on seagrass, In case, abnormal phenomenon (e.g. very reduction of seagrass patch size) was observed, it would be reported as soon as possible.

Intertidal Soft Shore Communities

3.6.21 Table 3.4 and Figure 3.3 of **Appendix O** show the types of substratum along the horizontal transect at every tidal level of every sampling zone.

3.6.22 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 11823 individuals were recorded. Mollusks were significantly the most abundant phylum (total individuals 11277, density 376 ind. m^{-2}, relative abundance 95.4%). The second abundant group was arthropod (total individuals: 447, density 15 ind. m^{-2}, relative abundance 3.8%) respectively. Relatively other phyla were very low in abundance (≤0.4%). Similarly, the most diverse phylum were mollusks (39 taxa) followed by arthropods (14 taxa) and annelids (11 taxa). The number of taxon of other phyla was relatively less (≤ 2 taxa). The summary of the total abundance and total biomass of every phylum is presented in Table 3.5 of **Appendix O**. The complete list of species recorded is shown in Annex III of **Appendix O**.

3.6.23 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: 1292-3835 ind., relative abundance 91.3-97.4%). Arthropods were the second abundant phylum (no. of individuals: 69-177 ind., relative abundance 9-24%) 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 (relative abundance < 2%). The number of individuals and relative abundance (%) of each phylum at every sampling zone were presented in Table 3.6 of **Appendix O**.

3.6.24 Table 3.7 of **Appendix O** lists the abundant species (relative abundance >10%) at every sampling zone. At TC1, gastropods *Batillaria multiformis* and *Monodonta labio* were the most abundant species (350-386 ind. m^{-2}, relative abundance 52-61%) and second abundant species (76-140 ind. m^{-2}, relative abundance 13-21%) respectively at both high and mid tidal levels. Rock oyster *Saccostrea cucullata* was the most abundant species at low tidal level (119 ind. m^{-2}, 35%) as well as the third abundant species at mid tidal level (114 ind. m^{-2}, 17%). Gastropod *Lunella coronate* (42 ind. m^{-2}, 12%) and barnacle *Balanus amphitrite* (40 ind. m^{-2}, 12%) were at moderate densities at low tidal level.

3.6.25 At TC2, gastropod *Cerithidea djadjariensis* was the most dominant species at all tidal levels (22-272 ind. m^{-2}, 34-79%). Gastropod *Cerithidea cingulata* was the second abundant species at low tidal level (16 ind. m^{-2}, 25%). Relatively barnacle *Balanus amphitrite* and gastropod *Batillaria zonalis* were at low to moderate densities at mid and low tidal levels.

3.6.26 At TC3, the high and mid tidal levels were dominated by gastropods *Batillaria multiformis* (80-102 ind. m^{-2}, 34-35%), *Cerithidea djadjariensis* (37-59 ind. m^{-2}, 16-20%) and *Cerithidea cingulata* (34-52 ind. m^{-2}, 14-18%). At low tidal level, the dominant species rock oyster *Saccostrea cucullata* (294 ind. m^{-2}, 39%), gastropods *Batillaria multiformis* (194 ind. m^{-2}, 26%) and *Monodonta labio* (117 ind. m^{-2}, 16%) were much higher in density relative to high and mid tidal levels.

3.6.27 At ST, gastropod *Batillaria multiformis* (474 ind. m^{-2}, 63%) was the most abundant at high tidal level while rock oyster *Saccostrea cucullata* (54-154 ind. m^{-2}, 40-42%) was the most abundant at mid and low tidal levels. Gastropod *Monodonta labio* (75-137 ind. m^{-2}, 18-19%) was the second abundant species at high and mid tidal levels. Barnacle *Balanus amphitrite* (17 ind. m^{-2}, 13%) was the second abundant species of low density at low tidal level.

3.6.28 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 = 4074 ind.), *Cerithidea djadjariensis* (1431 ind.), *Monodonta labio* (1411 ind.), *Cerithidea cingulata* (448 ind.) and rocky oyster *Saccostrea cucullata* (2265 ind.) were the most common occurring species among the four sampling zones. The abundant species (relative abundance >10%) at every sampling zone is presented in Table 3.7 of **Appendix O**.

3.6.29 Table 3.8 of **Appendix O** shows the mean values of number of species, density, *H'*,and *J* of soft shore communities at every tidal level and sampling zone. There was no obvious difference of number of species (4-13 spp. 0.25 m^{-2}) and species evenness (*J* 0.64-0.71) across the four sampling zones. However, the mean densities (65-346 ind. m^{-2}) and mean biodiversity index (*H'* 0.97) of TC2 were generally lower than that of other sampling zones (density: 130-751 ind. m^{-2}, *H'*: 1.45-1.61). Regardless of sampling zones, the diversity index and species evenness were relatively lower at high tidal level.

3.6.30 Figure 3.4 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 obvious temporal change was observed except the declined densities of intertidal fauna at sampling zones TC2 (mid and low tidal levels) and TC3 (high and mid tidal levels). It was mainly contributed by the decreased abundances of mollusks and arthropods in present study. Natural mortality of intertidal fauna during cold, dry season was believed the main reason. Moreover lower activity rate was possible that some infauna (e.g. bivalve) or temporary infauna (e.g. crab) burrowed themselves deep in the sediments, thus the chance of being sampled reduced sharply.

3.6.31 The present survey was the first 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 and water quality exceedances are provided in **Appendix M**. Also, the summaries of the environmental exceedances are presented as followed:

Air Quality

4.1.2 There is no exceedance of air quality recorded during the reporting period.

Noise

4.1.3 There is no exceedance of noise level recorded during the reporting period.

Water Quality

4.1.4 During the reporting period, there are fifty-one Action Level exceedances and three hundred and fifty Limit Level exceedances of suspended solids level. Fifty-nine Action Level exceedances and three hundred and five 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.**

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	--	--	--	--	2012-12-01 2012-12-08 2012-12-10 2013-01-04 2013-02-15	2013-01-04	2013-02-22	2013-02-13	6	2
	Limit Level	--	--	--	--	2012-12-03 2012-12-12 2012-12-24 2013-01-07 2013-01-11 2013-01-16 2013-01-18 2013-01-21 2013-01-23 2013-01-25 2013-01-28 2013-02-01 2013-02-04 2013-02-06 2013-02-08 2013-02-11 2013-02-13	2012-12-08 2012-12-10 2012-12-19 2012-12-21 2012-12-24 2013-01-09 2013-01-11 2013-01-18 2013-01-21 2013-01-23 2013-01-25 2013-02-01 2013-02-04 2013-02-06 2013-02-08 2013-02-11 2013-02-13 2013-02-18	2012-12-01 2012-12-03 2012-12-08 2012-12-10 2012-12-12 2012-12-14 2012-12-19 2013-01-21 2013-01-23 2013-01-28 2013-01-30	2012-12-03 2012-12-08 2012-12-10 2012-12-17 2012-12-19 2012-12-21 2012-12-24 2012-12-31 2013-01-02 2013-01-04 2013-01-07 2013-01-18 2013-01-21 2013-01-23 2013-01-30 2013-02-01 2013-02-04 2013-02-08 2013-02-18 2013-02-20 2013-02-22 2013-02-25	28	40
IS(Mf)6	Action Level	--	--	--	--	2012-12-08 2013-01-09 2013-02-13	2013-01-04 2013-02-13 2013-02-20	--	2012-12-28 2013-01-25 2013-02-06 2013-02-18	3	7

Station	Exceedance Level	DO (S&M)		DO (Bottom)		Turbidity		SS		Total Number of Exceedances	
		Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood
	Limit Level	--	--	--	--	2012-12-01 2012-12-03 2012-12-10 2012-12-12 2012-12-14 2012-12-17 2012-12-19 2012-12-21 2012-12-24 2012-12-28 2013-01-04 2013-01-07 2013-01-11 2013-01-14 2013-01-16 2013-01-18 2013-01-21 2013-01-23 2013-01-25 2013-01-28 2013-02-01 2013-02-04 2013-02-06 2013-02-08 2013-02-11 2013-02-15 2013-02-18 2013-02-22 2013-02-25 2013-02-27	2012-12-01 2012-12-05 2012-12-08 2012-12-10 2012-12-14 2012-12-19 2012-12-21 2012-12-24 2013-01-07 2013-01-09 2013-01-11 2013-01-14 2013-01-18 2013-01-21 2013-01-23 2013-01-25 2013-01-30 2013-02-01 2013-02-04 2013-02-06 2013-02-08 2013-02-11 2013-02-18 2013-02-22 2013-02-25	2012-12-01 2012-12-03 2012-12-08 2012-12-10 2012-12-12 2012-12-14 2012-12-17 2012-12-19 2012-12-21 2013-01-21 2013-01-23 2013-01-25 2013-01-28 2013-01-30 2013-02-04 2013-02-06 2013-02-08 2013-02-18 2013-02-20 2013-02-22 2013-02-25 2013-02-27	2012-12-01 2012-12-05 2012-12-08 2012-12-10 2012-12-14 2012-12-17 2012-12-19 2012-12-21 2012-12-24 2012-12-31 2013-01-04 2013-01-07 2013-01-09 2013-01-11 2013-01-18 2013-01-21 2013-01-23 2013-01-28 2013-01-30 2013-02-01 2013-02-04 2013-02-08 2013-02-20 2013-02-22 2013-02-25 2013-02-27	52	51
IS7	Action Level	--	--	--	--	2012-12-01 2012-12-08 2012-12-14 2012-12-21	2012-12-01 2012-12-14 2012-12-26	2012-12-01 2013-02-22	2012-12-10 2012-12-14 2013-01-02 2013-02-11	6	7

Station	Exceedance Level	DO (S&M)		DO (Bottom)		Turbidity		SS		Total Number of Exceedances	
		Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood
	Limit Level	--	--	--	--	2012-12-05 2012-12-10 2012-12-12 2012-12-17 2012-12-19 2012-12-24 2013-01-07 2013-01-09 2013-01-14 2013-01-16 2013-01-21 2013-01-23 2013-01-25 2013-01-28 2013-02-04 2013-02-06 2013-02-08 2013-02-11 2013-02-13 2013-02-15 2013-02-18 2013-02-20 2013-02-25	2012-12-03 2012-12-05 2012-12-08 2012-12-10 2012-12-19 2012-12-21 2012-12-24 2013-01-04 2013-01-07 2013-01-09 2013-01-11 2013-01-18 2013-01-21 2013-01-23 2013-01-25 2013-02-01 2013-02-04 2013-02-06 2013-02-08 2013-02-11 2013-02-18 2013-02-20 2013-02-22 2013-02-25	2012-12-05 2012-12-08 2012-12-10 2012-12-12 2012-12-14 2012-12-17 2012-12-19 2012-12-21 2012-12-24 2013-01-21 2013-01-23 2013-01-28 2013-01-30 2013-02-08 2013-02-18 2013-02-20 2013-02-25	2012-12-01 2012-12-03 2012-12-05 2012-12-08 2012-12-17 2012-12-19 2012-12-21 2012-12-24 2012-12-31 2013-01-04 2013-01-07 2013-01-09 2013-01-11 2013-01-18 2013-01-21 2013-01-23 2013-01-25 2013-01-28 2013-01-30 2013-02-01 2013-02-04 2013-02-08 2013-02-13 2013-02-15 2013-02-20 2013-02-22 2013-02-25 2013-02-27	40	52
IS8	Action Level	--	--	--	--	2013-01-11 2013-01-21 2013-02-04	2012-12-03	2012-12-24	2012-12-26 2013-01-11 2013-02-18	4	4
	Limit Level	--	--	--	--	2012-12-24 2013-01-16 2013-01-23 2013-01-25 2013-02-01 2013-02-06 2013-02-08 2013-02-11 2013-02-13 2013-02-15 2013-02-18	2012-12-05 2012-12-19 2012-12-21 2012-12-24 2012-12-26 2012-12-31 2013-01-09 2013-01-11 2013-01-21 2013-01-23 2013-01-25 2013-02-04 2013-02-06 2013-02-08 2013-02-11 2013-02-13 2013-02-18 2013-02-20	2012-12-05 2012-12-08 2012-12-14 2012-12-19 2013-01-21 2013-01-23 2013-01-30 2013-02-18 2013-02-20 2013-02-25	2012-12-03 2012-12-05 2012-12-17 2012-12-19 2012-12-21 2012-12-31 2013-01-04 2013-01-07 2013-01-09 2013-01-18 2013-01-23 2013-01-28 2013-01-30 2013-02-01 2013-02-04 2013-02-08 2013-02-13 2013-02-15 2013-02-20 2013-02-22 2013-02-27	21	39

Station	Exceedance Level	DO (S&M)		DO (Bottom)		Turbidity		SS		Total Number of Exceedances	
		Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood
IS(Mf)9	Action Level	--	--	--	--	2012-12-01 2013-01-07 2013-01-11	2012-12-10 2012-12-14 2012-12-17 2013-02-11 2013-02-25	--	2012-12-12 2013-02-08 2013-02-13 2013-02-18	3	9
	Limit Level	--	--	--	--	2012-12-10 2012-12-24 2013-01-16 2013-01-23 2013-01-25 2013-02-01 2013-02-06 2013-02-08 2013-02-11 2013-02-13 2013-02-15 2013-02-18	2012-12-03 2012-12-19 2012-12-21 2012-12-24 2012-12-31 2013-01-04 2013-01-11 2013-01-18 2013-01-23 2013-01-25 2013-02-04 2013-02-06 2013-02-08 2013-02-13 2013-02-18 2013-02-20 2013-02-22	2012-12-01 2012-12-03 2012-12-10 2012-12-19 2013-01-21 2013-01-23 2013-01-30 2013-02-18 2013-02-20	2012-12-03 2012-12-14 2012-12-17 2012-12-19 2012-12-21 2012-12-24 2012-12-26 2012-12-31 2013-01-04 2013-01-07 2013-01-11 2013-01-18 2013-01-21 2013-01-23 2013-01-28 2013-01-30 2013-02-01 2013-02-04 2013-02-06 2013-02-15 2013-02-20 2013-02-22 2013-02-25 2013-02-27	21	41
IS10	Action Level	--	--	--	--	2012-12-01 2012-12-08 2013-01-23 2013-02-22	2012-12-31 2013-01-02 2013-02-01 2013-02-08 2013-02-20	2012-12-10 2013-01-21	2012-12-05 2012-12-24 2013-02-01 2013-02-15	6	9

Station	Exceedance Level	DO (S&M)		DO (Bottom)		Turbidity		SS		Total Number of Exceedances	
		Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood
	Limit Level	--	--	--	--	2012-12-14 2012-12-24 2013-02-25	2012-12-03 2012-12-05 2012-12-08 2012-12-10 2012-12-19 2012-12-21 2013-01-21 2013-01-23 2013-02-04 2013-02-06 2013-02-18	2012-12-01 2012-12-03 2012-12-08 2012-12-14 2012-12-19 2012-12-24 2013-01-23 2013-02-25	2012-12-03 2012-12-08 2012-12-10 2012-12-12 2012-12-14 2012-12-17 2012-12-19 2012-12-31 2013-01-02 2013-01-04 2013-01-07 2013-01-14 2013-01-18 2013-01-21 2013-01-23 2013-01-28 2013-01-30 2013-02-04 2013-02-08 2013-02-13 2013-02-18 2013-02-20 2013-02-22 2013-02-27	11	35
SR3	Action Level	--	--	--	--	2013-01-11	2012-12-05 2013-01-09 2013-02-22	2013-01-23 2013-02-20	2012-12-08 2013-01-23 2013-02-27	3	6
	Limit Level	--	--	--	--	2012-12-01 2012-12-14 2012-12-24 2013-01-07 2013-01-16 2013-01-18 2013-01-21 2013-01-23 2013-01-25 2013-01-28 2013-02-01 2013-02-04 2013-02-06 2013-02-08 2013-02-11 2013-02-13 2013-02-15 2013-02-18	2012-12-03 2012-12-08 2012-12-10 2012-12-19 2012-12-21 2012-12-24 2013-01-04 2013-01-11 2013-01-18 2013-01-21 2013-01-23 2013-01-25 2013-02-01 2013-02-04 2013-02-06 2013-02-08 2013-02-11 2013-02-13 2013-02-18	2012-12-01 2012-12-03 2012-12-08 2012-12-12 2012-12-14 2012-12-19 2013-01-21 2013-01-28 2013-01-30 2013-02-04 2013-02-18 2013-02-25	2012-12-03 2012-12-10 2012-12-17 2012-12-19 2012-12-21 2012-12-24 2012-12-31 2013-01-04 2013-01-07 2013-01-09 2013-01-18 2013-01-21 2013-01-28 2013-01-30 2013-02-01 2013-02-04 2013-02-08 2013-02-13 2013-02-15 2013-02-20 2013-02-22 2013-02-25	30	41
SR4	Action Level	--	--	--	--	2012-12-03 2013-02-13 2013-02-15	2012-12-12 2012-12-21 2013-01-21 2013-02-13	2012-12-21 2013-02-20	2013-01-23 2013-01-28	5	6

Station	Exceedance Level	DO (S&M)		DO (Bottom)		Turbidity		SS		Total Number of Exceedances	
		Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood
	Limit Level	--	--	--	--	2012-12-24 2013-01-23 2013-01-25 2013-02-04 2013-02-06 2013-02-08 2013-02-11 2013-02-18	2012-12-03 2012-12-05 2012-12-08 2012-12-10 2012-12-17 2012-12-19 2012-12-24 2012-12-26 2012-12-31 2013-01-23 2013-01-25 2013-02-04 2013-02-06 2013-02-08 2013-02-11 2013-02-18 2013-02-20 2013-02-22 2013-02-25	2012-12-03 2012-12-08 2013-01-21 2013-01-23 2013-01-25 2013-01-30 2013-02-15 2013-02-25	2012-12-03 2012-12-05 2012-12-08 2012-12-10 2012-12-12 2012-12-14 2012-12-17 2012-12-19 2012-12-21 2012-12-26 2012-12-31 2013-01-04 2013-01-18 2013-01-21 2013-01-30 2013-02-13 2013-02-15 2013-02-20 2013-02-22 2013-02-25 2013-02-27	16	40
SR5	Action Level	--	--	--	--	2012-12-03 2013-01-23	--	2012-12-12 2013-02-06 2013-02-15	2012-12-12 2012-12-26 2013-01-21 2013-02-25	5	4
	Limit Level	--	--	--	--	2012-12-05 2012-12-10 2012-12-14 2012-12-24 2013-02-06 2013-02-08 2013-02-22 2013-02-25	2012-12-03 2012-12-05 2012-12-08 2012-12-10 2012-12-19 2012-12-31 2013-01-09 2013-01-11 2013-01-18 2013-01-23 2013-01-30 2013-02-04 2013-02-08 2013-02-15 2013-02-18 2013-02-20	2012-12-03 2012-12-05 2012-12-08 2012-12-10 2012-12-14 2012-12-19 2012-12-24 2013-01-21 2013-01-25 2013-01-30 2013-02-04 2013-02-08 2013-02-11 2013-02-25	2012-12-03 2012-12-05 2012-12-08 2012-12-10 2012-12-17 2012-12-19 2012-12-31 2013-01-02 2013-01-09 2013-01-11 2013-01-14 2013-01-16 2013-01-18 2013-01-28 2013-01-30 2013-02-01 2013-02-04 2013-02-08 2013-02-13 2013-02-15 2013-02-20 2013-02-22 2013-02-27	22	39
SR10A	Action Level	--	--	--	--	2013-01-16	2013-02-08	2013-01-23	2012-12-21 2013-01-04	2	3

Station	Exceedance Level	DO (S&M)		DO (Bottom)		Turbidity		SS		Total Number of Exceedances	
		Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood
	Limit Level	--	--	--	--	--	2012-12-10 2013-01-11 2013-02-06 2013-02-11 2013-02-13	2012-12-03 2012-12-12 2012-12-14 2012-12-19	2012-12-17 2012-12-31 2013-01-09 2013-01-14 2013-01-16 2013-01-18 2013-02-13 2013-02-27	4	13
SR10B	Action Level	--	--	--	--	2012-12-24 2013-01-16	2013-02-08 2013-02-18	2012-12-19 2012-12-24 2013-01-23 2013-02-25	2013-01-11 2013-02-11	6	4
	Limit Level	--	--	--	--	--	2012-12-10 2013-01-11 2013-02-11	2012-12-03 2012-12-14	2012-12-14 2012-12-17 2012-12-24 2012-12-31 2013-01-02 2013-01-04 2013-01-09 2013-01-14 2013-01-18 2013-01-28 2013-01-30 2013-02-01 2013-02-13 2013-02-27	2	17
Total	**Action**	0	0	0	0	31	28	18	33	110	
	Limit	0	0	0	0	130	175	117	233	655	

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 two 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-2013-015	17 January 2013	Air Quality
COM-2013-016	18 January 2013	Water Quality

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 is recommended to water the unpaved areas/designated roads/dry bare soils to suppress dust emissions.
- The Contractor should provide covers for excavated materials to prevent fugitive dust impact.
- The Contractor is reminded to remove the stagnant water.
- The Contractor should regularly spray water on the unpaved areas to prevent fugitive dust impact.
- The Contractor was reminded to provide a drip tray for the chemical container.
- The Contractor was reminded to clear the oil stains.
- The Contractor was reminded to remove the oil stains on the soil near the compressors.
- The Contractor was reminded to remove the stagnant water inside the metal beams.
- The Contractor was reminded to provide a drip tray for the chemical drum.
- The Contractor was reminded to remove the stagnant water inside the drainages.
- The Contractor was reminded to prevent construction wastewater from leaking into the storm drains.
- The Contractor was reminded to remove rubbish along the beach area at Portion X.
- The Contractor was reminded to remove rubbish along the beach area at Portion Y.
- The Contractor was reminded to display the Environmental Permit and Construction Noise Permit at the site entrance.
- The Contractor was reminded to remove the stagnant water inside the drip tray and cap the drain valve.
- The Contractor was reminded to provide maintenance for the generator.
- The Contractor was reminded not to stockpile around trees.
- The Contractor was reminded to dispose of rubbish regularly.
- The Contractor was reminded to remove the stagnant water inside the drip tray and cap the drain valve.
- The Contractor was reminded to provide a impervious sheeting for the rock piles.
- The Contractor should regularly spray water on the unpaved area.
- The Contractor should remove the oil stains on the soil.
- The Contractor should remove the stagnant water inside the cement gaps.
- The Contractor should water the sand piles.
- The Contractor should ensure regular maintenance to the Yue Guang Chouhuo vessel.
- The Contractor should remove the stagnant water inside the drip tray.
- The Contractor should spray the sand piles with water regularly.
- The Contactor should cover the drainage next to the unpaved road.

- The Contractor should provide a cap for the drain hole.
- The Contractor was reminded to dispose of waste regularly.
- The Contractor was reminded to clean the wheels of vehicles before leaving the site.
- The Contractor was reminded to provide a noise emission label for air compressors.
- The Contractor was suggested to plugged the generator drip tray drain hole at Portion Y.
- The Contractor was reminded to wash vehicles' wheels before they leave the site.
- The Contractor was reminded to provide noise emission label for air compressors.
- The Contractor was suggested to provide impervious sheeting for the stockpiles at Kwo Lo Wan Road.
- The Contractor was reminded to spray water on the unpaved roads regularly.
- The Contractor was recommended to provide high pressure water jet and sedimentation tank at WA4.

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 second Quarterly EM&A Report summarises the monitoring results and audit findings of the EM&A programme during the reporting period from 1 December 2012 to 28 February 2013.

5.3.2 For air quality, there were no exceedances of 1-hr TSP or 24-hr TSP recorded during this reporting period.

5.3.3 For construction noise, there were no exceedances recorded during the reporting period.

5.3.4 During this reporting period, there are fifty-one non-project related Action Level exceedances and three hundred and fifty non-project related Limit Level exceedances of suspended solids level. Fifty-nine non-project related Action Level exceedances and three hundred and five non-project related Limit Level exceedances of turbidity level were recorded.

5.3.5 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.

5.3.6 Although the average encounter rates in dolphin sightings in the present three-month study period were lower 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), during the baseline monitoring period and the impact phase monitoring period.

5.3.7 Nevertheless, dolphin usage in NEL and NWL will be continuously monitored, to examine whether it will be affected by the on-going construction activities in relation to the HZMB works.

5.3.8 Significant difference was detected for the ER(STG) but not the ER(ANI). Therefore, the monitoring results did not trigger the CWD Event and Action Plan.

5.3.9 For sedimentation rate monitoring of mudflat, S1 had relative higher value of 89mm which was about 29mm more than the expected tolerance or half tolerance more. For S2, S3 and S4 all had higher value than the last survey but within the measurement tolerance.

5.3.10 Impact water quality monitoring in San Tau (monitoring station SR3) was conducted in December 2012. 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. There were 12 individuals of Tachypleus tridentatus and 4 individuals of Carcinoscorpius rotundicauda observed at ST respectively. In addition, all individuals were found in soft mud substratum. The horseshoe crab Carcinoscorpius rotundicauda was found whereas this species was not recorded in the baseline survey conducted in September 2012. At the sampling zone ST, the search record of horseshoe crab Tachypleus tridentatus decreased slightly from 2.67 ind. hr-1 person-1 in the baseline survey (conducted in September 2012) to 2.40 ind. hr-1 person-1 in the present survey. For the size of horseshoe crab, smaller individuals were collected in the present survey that the mean prosomal width (17.31mm) was less than that (24.41mm) of baseline survey. It might be a seasonal variation of data collection. Since horseshoe crabs tends to be inactive and burrow themselves deep in sediments in cold, dry season.

5.3.12 An active search method was adopted for seagrass bed survey at each sampling zone. Two patches of Halophila ovalis were recorded at sampling zone ST only. The estimated total area and mean area of this seagrass bed were 481.0 m^2 and 240.5 m^2 respectively while the estimated coverage ranged 50 to 85%. Relative to the baseline monitoring conducted in September 2012, the location of Halophila ovalis were the same but the total area (from 332.3 to 481 m^2) was higher in present survey. It was believed that the three smaller patches of seagrass (18.9-34.7 m^2), recorded in previous baseline survey, grew and merged into single, large patch.

5.3.13 The intertidal soft shore community surveys were conducted in low tide period on 1st (for TC3), 2nd (for ST), 15th (for TC1) and 16th December 2012 (for TC2). A total of 11823 individuals were recorded. Mollusks were significantly the most abundant phylum (total individuals 11277, density 376 ind. m^{-2}, relative abundance 95.4%). The second abundant group was arthropod (total individuals: 447, density 15 ind. m-2, relative abundance 3.8%) respectively. Relatively other phyla were very low in abundance (≤0.4%). Similarly, the most diverse phylum were mollusks (39 taxa) followed by arthropods (14 taxa) and annelids (11 taxa). The number of taxon of other phyla was relatively less (≤ 2 taxa).

5.3.14 At TC2, gastropod Cerithidea djadjariensis was the most dominant species at all tidal levels (22-272 ind. m^{-2}, 34-79%). Gastropod Cerithidea cingulata was the second abundant species at low tidal level (16 ind. m^{-2}, 25%). At TC3, the high and mid tidal levels were dominated by gastropods Batillaria multiformis (80-102 ind. m^{-2}, 34-35%), Cerithidea djadjariensis (37-59 ind. m^{-2}, 16-20%) and Cerithidea cingulata (34-52 ind. m^{-2}, 14-18%). At ST, gastropod Batillaria multiformis (474 ind. m^{-2}, 63%) was the most abundant at high tidal level while rock oyster Saccostrea cucullata (54-154 ind. m^{-2}, 40-42%) was the most abundant at mid and low tidal levels. Gastropod Monodonta labio (75-137 ind. m^{-2}, 18-19%) was the second abundant species at high and mid tidal levels.

5.3.15 Environmental site inspection was carried out on 4, 11, 18 and 28 December 2012, 2, 10, 15, 22 and 29 January, and 5, 14, 19 and 26 February 2013. Recommendations on remedial actions were given to the Contractors for the deficiencies identified during the site inspections.

5.3.16 There were two environmental complaints received during this reporting period.

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

FIGURES

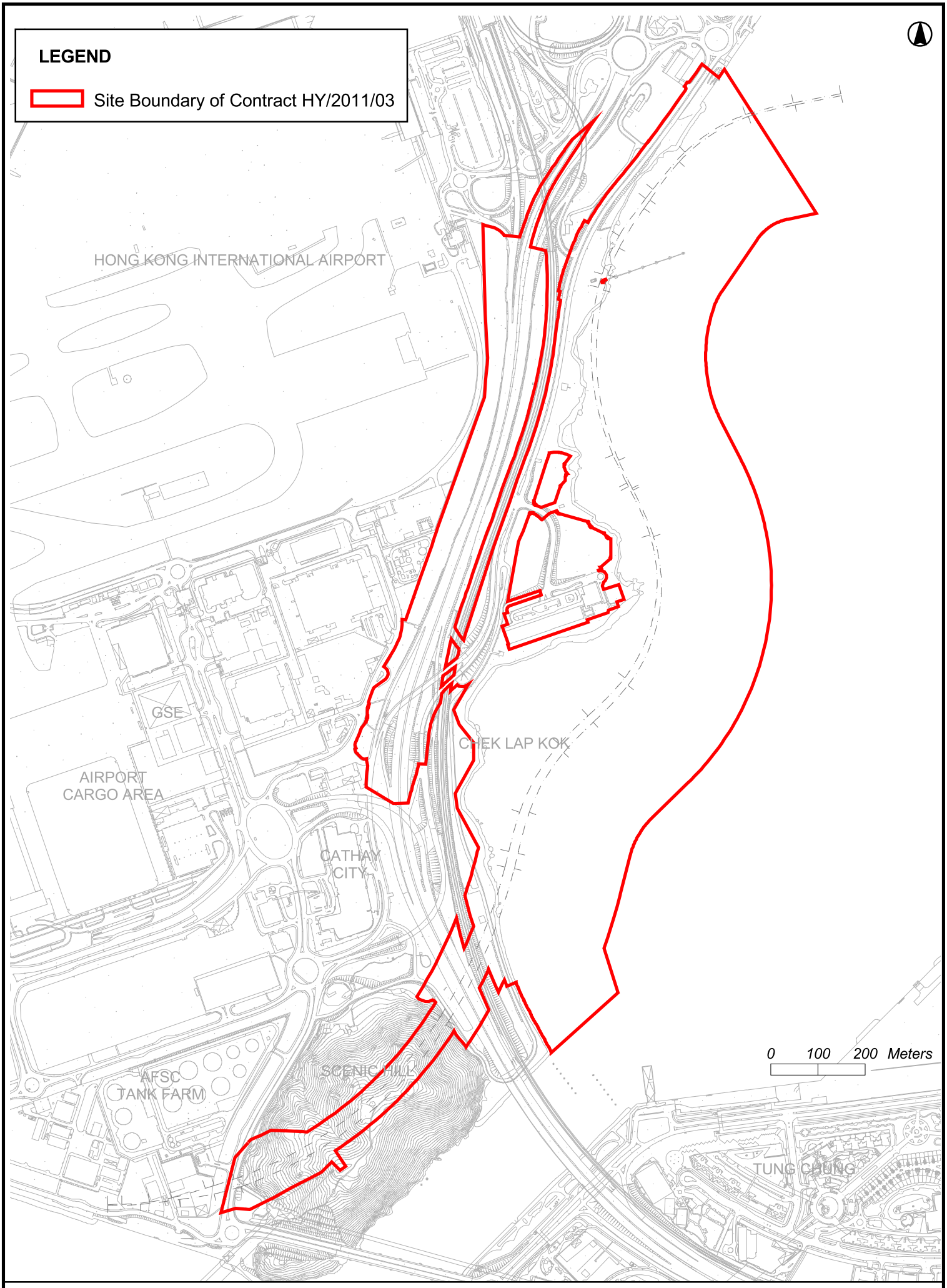

Figure 1.1 Location of the Site

DO NOT SCALE DRAWING. CHECK ALL DIMENSIONS ON SITE.
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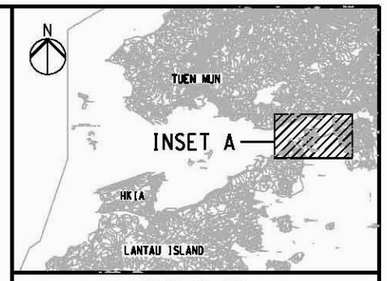
Water Monitoring Station

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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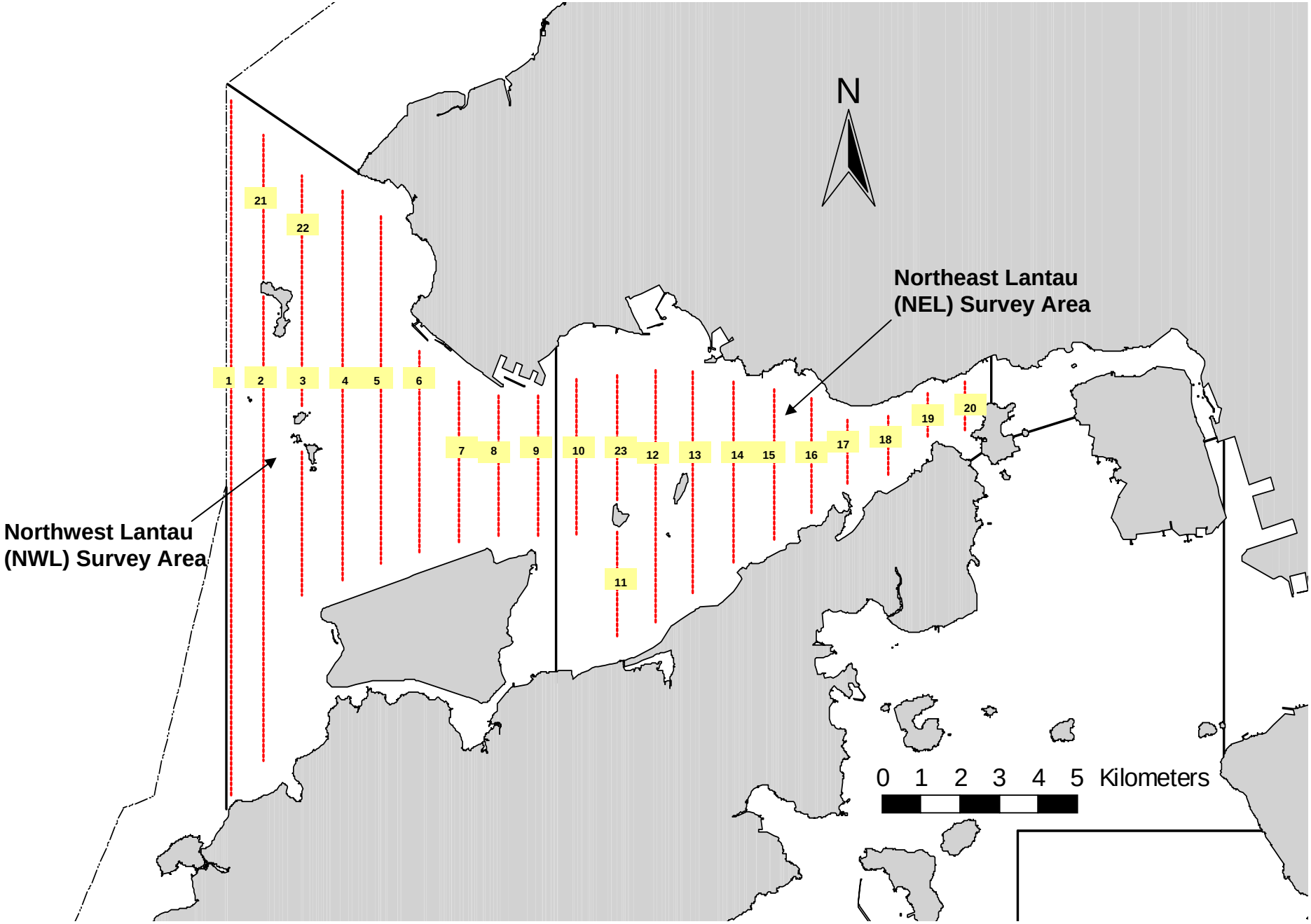


Figure 2.2 Transect Line Layout in Northwest and Northeast Lantau Survey Areas

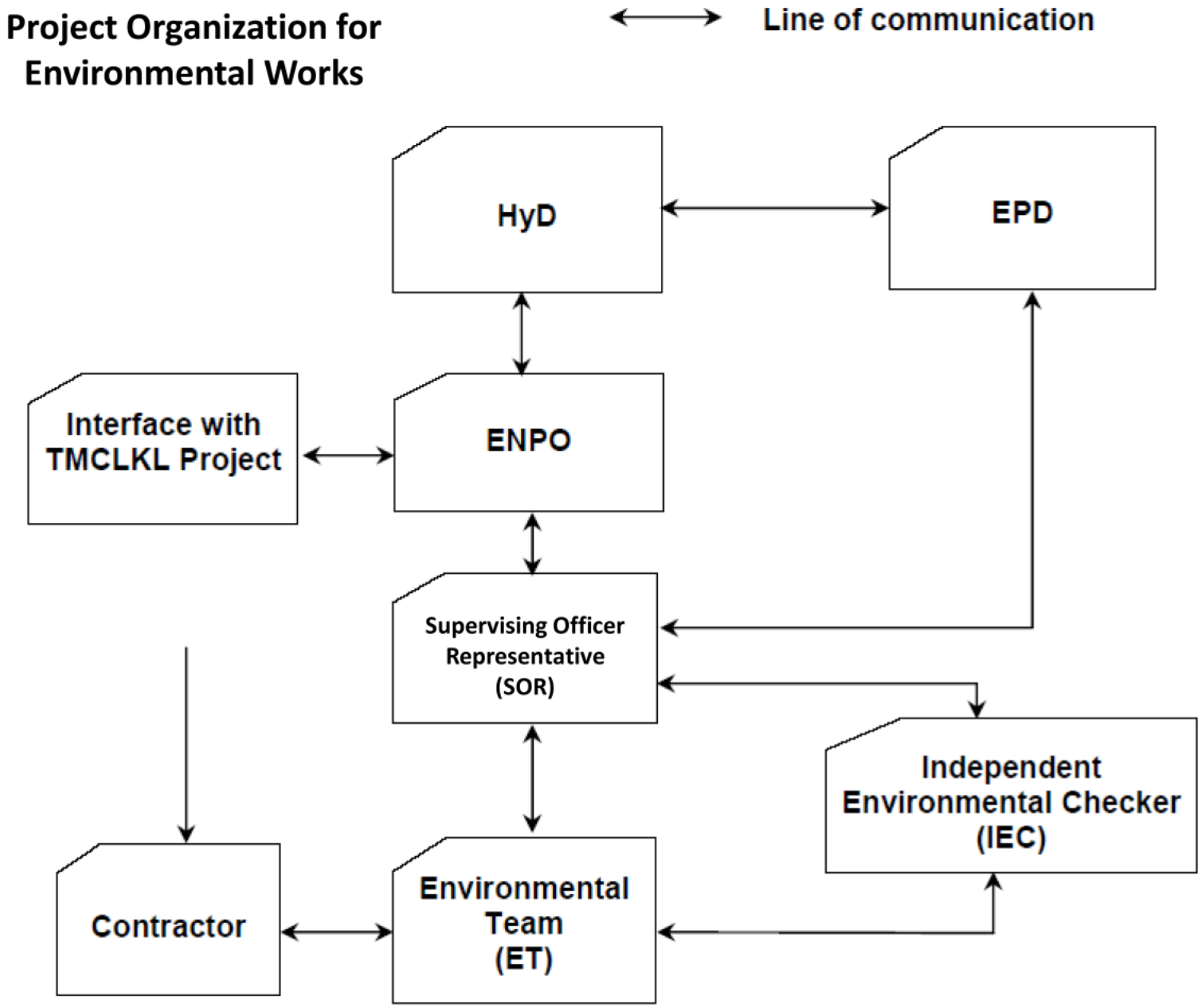
APPENDIX A

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	3743 0788	3548 6988
	Independent Environmental Checker	Antony Wong	3743 0788	3548 6988
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

Project Organization for Environmental Works



APPENDIX B

Construction Programme

FILE: 3M09

Sheet 1 of 3

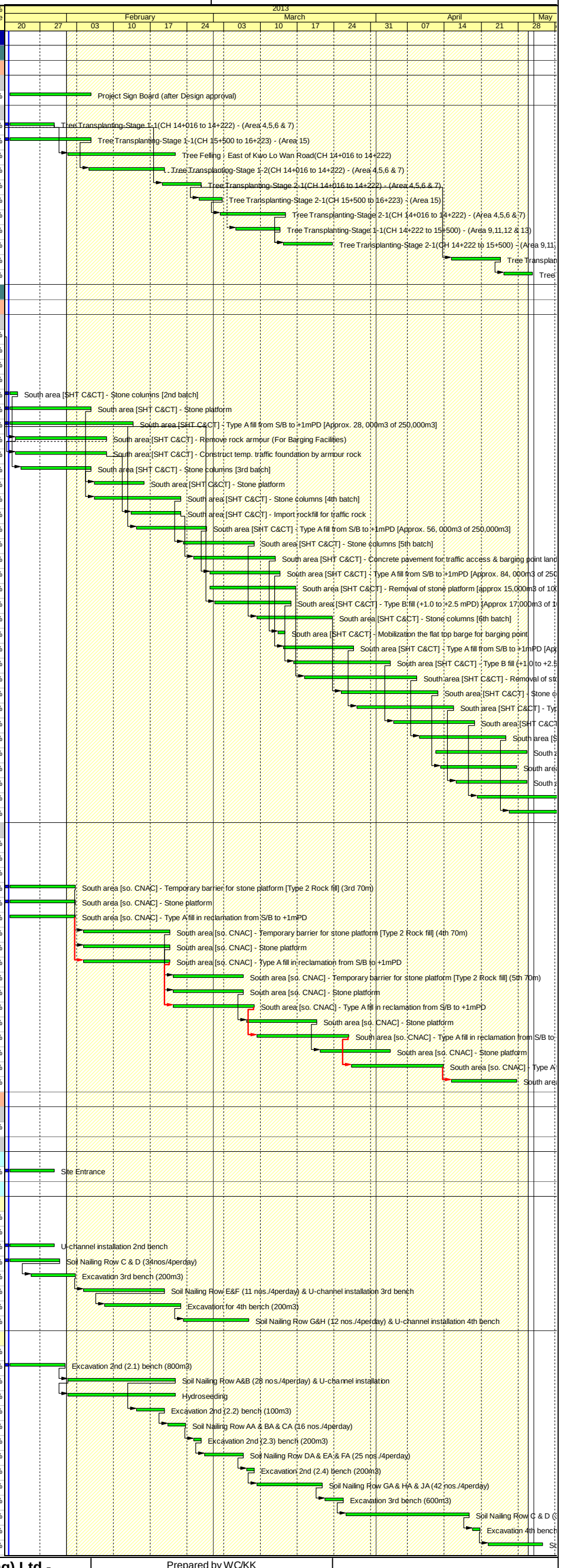
3-Months Rolling Programme (ER Part 5 & SCC 27(9))

(February 2013 to April 2013)

Layout HZMB - Layout 2 (3M)

TASK filters: 3M09, HZMB No Level Effort.

Activity ID	Activity Name	Dur. (days)	Start	Finish	Activity % Complete
3 MONTHS PROGRAMME HY/2011/03 (FEB 2013 to APR 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	21-Jan-13*	05-Feb-13	0%
Tree Survey, Tree Felling and Transplanting					
GPS1710	Tree Transplanting-Stage 1-1(CH 14+016 to 14+222) - (Area 4,5,6 & 7)	8d	10-Jan-13 A	29-Jan-13	90%
GPS1780	Tree Transplanting-Stage 1-1(CH 15+500 to 16+223) - (Area 15)	5d	18-Jan-13 A	05-Feb-13	90%
GPS1700	Tree Felling - East of Kwo Lo Wan Road(CH 14+016 to 14+222)	15d	01-Feb-13	21-Feb-13	0%
GPS1740	Tree Transplanting-Stage 1-2(CH 14+016 to 14+222) - (Area 4,5,6 & 7)	10d	05-Feb-13	19-Feb-13	0%
GPS1711	Tree Transplanting-Stage 2-1(CH 14+016 to 14+222) - (Area 4,5,6 & 7)	7d	19-Feb-13	26-Feb-13	0%
GPS1790	Tree Transplanting-Stage 2-1(CH 15+500 to 16+223) - (Area 15)	5d	26-Feb-13	02-Mar-13	0%
GPS1741	Tree Transplanting-Stage 2-1(CH 14+016 to 14+222) - (Area 4,5,6 & 7)	11d	02-Mar-13	14-Mar-13	0%
GPS1720	Tree Transplanting-Stage 1-1(CH 14+222 to 15+500) - (Area 9,11,12 & 13)	8d	05-Mar-13	13-Mar-13	0%
GPS1750	Tree Transplanting-Stage 2-1(CH 14+222 to 15+500) - (Area 9,11,12 & 13)	9d	14-Mar-13	23-Mar-13	0%
GPS1760	Tree Transplanting-Stage 3-1(CH 14+016 to 14+222) - (Area 4,5,6 & 7)	8d	15-Apr-13	24-Apr-13	0%
GPS1800	Tree Transplanting-Stage 3-1(CH 15+500 to 16+223) - (Area 15)	5d	25-Apr-13	30-Apr-13	0%
WORKS IN SOUTH AREA - CH 13+516 to CH 15+050 (SCENIC HILL TUNNEL, MT & CCT)					
Reclamation Works					
Reclamation Works - Ch 14+140 to 14+700 (SHT C&CT Area, 560m)					
RSC1023	South area [SHT C&CT] - Geotextile	12d	30-Oct-12 A	18-Jan-13 A	100%
RSC1033	South area [SHT C&CT] - Temporary barrier for stone platform [Type 2 Rock fill] (4th 140m)	14d	19-Dec-12 A	08-Jan-13 A	100%
RSC1044	South area [SHT C&CT] - Stone platform	14d	19-Dec-12 A	08-Jan-13 A	100%
RSC1050	South area [SHT C&CT] - Stone columns [1st batch]	12d	20-Dec-12 A	05-Jan-13 A	100%
RSC1051	South area [SHT C&CT] - Stone columns [2nd batch]	12d	06-Jan-13 A	22-Jan-13	75%
RSC1045	South area [SHT C&CT] - Stone platform	14d	09-Jan-13 A	05-Feb-13	75%
RSC1060	South area [SHT C&CT] - Type A fill from S/B to +1mPD [Approx. 28, 000m3 of 250,000m3]	12d	15-Jan-13 A	13-Feb-13	50%
RSC1010	South area [SHT C&CT] - Remove rock armour (For Barging Facilities)	16d	22-Jan-13	08-Feb-13	0%
RSC1870	South area [SHT C&CT] - Construct temp. traffic foundation by armour rock	16d	22-Jan-13	08-Feb-13	0%
RSC1052	South area [SHT C&CT] - Stone columns [3rd batch]	12d	23-Jan-13	05-Feb-13	0%
RSC1046	South area [SHT C&CT] - Stone platform	6d	06-Feb-13	15-Feb-13	0%
RSC1053	South area [SHT C&CT] - Stone columns [4th batch]	12d	06-Feb-13	22-Feb-13	0%
RSC1880	South area [SHT C&CT] - Import rockfill for traffic rock	8d	13-Feb-13	22-Feb-13	0%
RSC1061	South area [SHT C&CT] - Type A fill from S/B to +1mPD [Approx. 56, 000m3 of 250,000m3]	12d	14-Feb-13	27-Feb-13	0%
RSC1054	South area [SHT C&CT] - Stone columns [5th batch]	12d	23-Feb-13	08-Mar-13	0%
RSC1890	South area [SHT C&CT] - Concrete pavement for traffic access & barging point landing	12d	25-Feb-13	12-Mar-13	0%
RSC1062	South area [SHT C&CT] - Type A fill from S/B to +1mPD [Approx. 84, 000m3 of 250,000m3]	12d	28-Feb-13	13-Mar-13	0%
RSC2080	South area [SHT C&CT] - Removal of stone platform [approx 15,000m3 of 100, 000m3]	15d	28-Feb-13	16-Mar-13	0%
RSC1070	South area [SHT C&CT] - Type B fill (+1.0 to +2.5 mPD) [Approx 17,000m3 of 105,000m3]	13d	01-Mar-13	15-Mar-13	0%
RSC1055	South area [SHT C&CT] - Stone columns [6th batch]	13d	09-Mar-13	23-Mar-13	0%
RSC1900	South area [SHT C&CT] - Mobilization the flat top barge for barging point	2d	13-Mar-13	14-Mar-13	0%
RSC1063	South area [SHT C&CT] - Type A fill from S/B to +1mPD [Approx. 112, 000m3 of 250,000m3]	12d	14-Mar-13	27-Mar-13	0%
RSC1071	South area [SHT C&CT] - Type B fill (+1.0 to +2.5 mPD) [Approx 34,000m3 of 105,000m3]	13d	16-Mar-13	03-Apr-13	0%
RSC2081	South area [SHT C&CT] - Removal of stone platform [approx 30,000m3 of 100, 000m3]	15d	18-Mar-13	08-Apr-13	0%
RSC1056	South area [SHT C&CT] - Stone columns [7th batch]	13d	25-Mar-13	12-Apr-13	0%
RSC1064	South area [SHT C&CT] - Type A fill from S/B to +1mPD [Approx. 140, 000m3 of 250,000m3]	12d	28-Mar-13	15-Apr-13	0%
RSC1970	South area [SHT C&CT] - Type B fill (+1.0 to +2.5 mPD) [Approx 51,000m3 of 105,000m3]	13d	04-Apr-13	19-Apr-13	0%
RSC2082	South area [SHT C&CT] - Removal of stone platform [approx 45,000m3 of 100, 000m3]	15d	09-Apr-13	25-Apr-13	0%
RSC1110	South area [SHT C&CT] - Band drain installation SWCH 200 to SWCH700 (1st batch)	12d	12-Apr-13	29-Apr-13	0%
RSC1057	South area [SHT C&CT] - Stone columns [8th batch]	13d	13-Apr-13	27-Apr-13	0%
RSC1910	South area [SHT C&CT] - Type A fill from S/B to +1mPD [Approx. 168, 000m3 of 250,000m3]	12d	16-Apr-13	29-Apr-13	0%
RSC1980	South area [SHT C&CT] - Type B fill (+1.0 to +2.5 mPD) [Approx 68,000m3 of 105,000m3]	13d	20-Apr-13	06-May-13	0%
RSC2083	South area [SHT C&CT] - Removal of stone platform [approx 60,000m3 of 100, 000m3]	15d	26-Apr-13	14-May-13	0%
Reclamation Works - Ch 14+700 to 15+050 (South of CNAC Tower, 350m)					
RSC1153	South area [so. CNAC] - Geotextile ((CH14+700 to 15+000)	10d	04-Dec-12 A	18-Jan-13 A	100%
RSC1170	South area [so. CNAC] - Stone platform	12d	18-Dec-12 A	03-Jan-13 A	100%
RSC1161	South area [so. CNAC] - Temporary barrier for stone platform [Type 2 Rock fill] (2nd 70m)	12d	18-Dec-12 A	03-Jan-13 A	100%
RSC1162	South area [so. CNAC] - Temporary barrier for stone platform [Type 2 Rock fill] (3rd 70m)	12d	04-Jan-13 A	02-Feb-13	5%
RSC1171	South area [so. CNAC] - Stone platform	12d	04-Jan-13 A	02-Feb-13	5%
RSC1190	South area [so. CNAC] - Type A fill in reclamation from S/B to +1mPD	12d	21-Jan-13	02-Feb-13	0%
RSC1163	South area [so. CNAC] - Temporary barrier for stone platform [Type 2 Rock fill] (4th 70m)	12d	04-Feb-13	20-Feb-13	0%
RSC1172	South area [so. CNAC] - Stone platform	12d	04-Feb-13	20-Feb-13	0%
RSC1191	South area [so. CNAC] - Type A fill in reclamation from S/B to +1mPD	12d	04-Feb-13	20-Feb-13	0%
RSC1164	South area [so. CNAC] - Temporary barrier for stone platform [Type 2 Rock fill] (5th 70m)	12d	21-Feb-13	06-Mar-13	0%
RSC1173	South area [so. CNAC] - Stone platform	12d	21-Feb-13	06-Mar-13	0%
RSC1192	South area [so. CNAC] - Type A fill in reclamation from S/B to +1mPD	12d	21-Feb-13	08-Mar-13	0%
RSC1174	South area [so. CNAC] - Stone platform	12d	07-Mar-13	20-Mar-13	0%
RSC1193	South area [so. CNAC] - Type A fill in reclamation from S/B to +1mPD	15d	09-Mar-13	26-Mar-13	0%
RSC1175	South area [so. CNAC] - Stone platform	9d	21-Mar-13	03-Apr-13	0%
RSC1194	South area [so. CNAC] - Type A fill in reclamation from S/B to +1mPD	12d	27-Mar-13	13-Apr-13	0%
RSC2110	South area [so. CNAC] - Type A fill in reclamation from S/B to +1mPD	12d	15-Apr-13	27-Apr-13	0%
SHT Mined Tunnel Works at Scenic Hill, Ch 13+516 to 14+016 (500m)					
Initial Works (@ Scenic Hill Road)					
SHT1011	SHT - Tree Felling / Site Clearance	10d	20-Nov-12 A	03-Jan-13 A	100%
Mined Tunnel West Portal Works					
Temporary Access Road					
SHT9682	Site Entrance	8d	15-Oct-12 A	29-Jan-13	90%
Site Formation					
Northwest Portion of Slope					
SHT9703	U-channel installation 1st bench	15d	05-Dec-12 A	21-Dec-12 A	100%
SHT9704	Excvation 2nd bench (200m3)	10d	14-Dec-12 A	08-Jan-13 A	100%
SHT9706	U-channel installation 2nd bench	8d	09-Jan-13 A	29-Jan-13	30%
SHT9705	Soil Nailing Row C & D (34nos/4perday)	9d	18-Jan-13 A	30-Jan-13	10%
SHT9707	Excavation 3rd bench (200m3)	8d	25-Jan-13	02-Feb-13	0%
SHT9708	Soil Nailing Row E&F (11 nos./4perday) & U-channel installation 3rd bench	11d	04-Feb-13	19-Feb-13	0%
SHT9710	Excavation for 4th bench (200m3)	10d	08-Feb-13	22-Feb-13	0%
SHT9711	Soil Nailing Row G&H (12 nos./4perday) & U-channel installation 4th bench	11d	23-Feb-13	07-Mar-13	0%
Southeast Portion of Slope					
SHT9715	U-channel installation 1st bench	8d	20-Dec-12 A	12-Jan-13 A	100%
SHT9716	Excavation 2nd (2.1) bench (800m3)	10d	14-Jan-13 A	31-Jan-13	20%
SHT9717	Soil Nailing Row A&B (28 nos./4perday) & U-channel installation	15d	01-Feb-13	21-Feb-13	0%
SHT9734	Hydroseeding	15d	01-Feb-13	21-Feb-13	0%
SHT9719	Excavation 2nd (2.2) bench (100m3)	5d	14-Feb-13	19-Feb-13	0%
SHT9720	Soil Nailing Row AA & BA & CA (16 nos./4perday)	4d	20-Feb-13	23-Feb-13	0%
SHT9722	Excavation 2nd (2.3) bench (200m3)	2d	25-Feb-13	26-Feb-13	0%
SHT9724	Soil Nailing Row DA & EA & FA (25 nos./4perday)	7d	27-Feb-13	06-Mar-13	0%
SHT9725	Excavation 2nd (2.4) bench (200m3)	2d	07-Mar-13	08-Mar-13	0%
SHT9726	Soil Nailing Row GA & HA & JA (42 nos./4perday)	11d	09-Mar-13	21-Mar-13	0%
SHT9727	Excavation 3rd bench (600m3)	3d	22-Mar-13	25-Mar-13	0%
SHT9728	Soil Nailing Row C & D (36 nos./4perday) & U-channel installation	17d	26-Mar-13	18-Apr-13	0%
SHT9729	Excavation 4th bench (300m3)	2d	19-Apr-13	20-Apr-13	0%
SHT9730	Soil Nailing Row E & F (18 nos./4perday) & U-channel installation	9d	22-Apr-13	02-May-13	0%



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/KK

Date	Revision	Che...	Approved
21-Jan-13		HKC	SYT

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

FILE: 3M09

Sheet 2 of 3

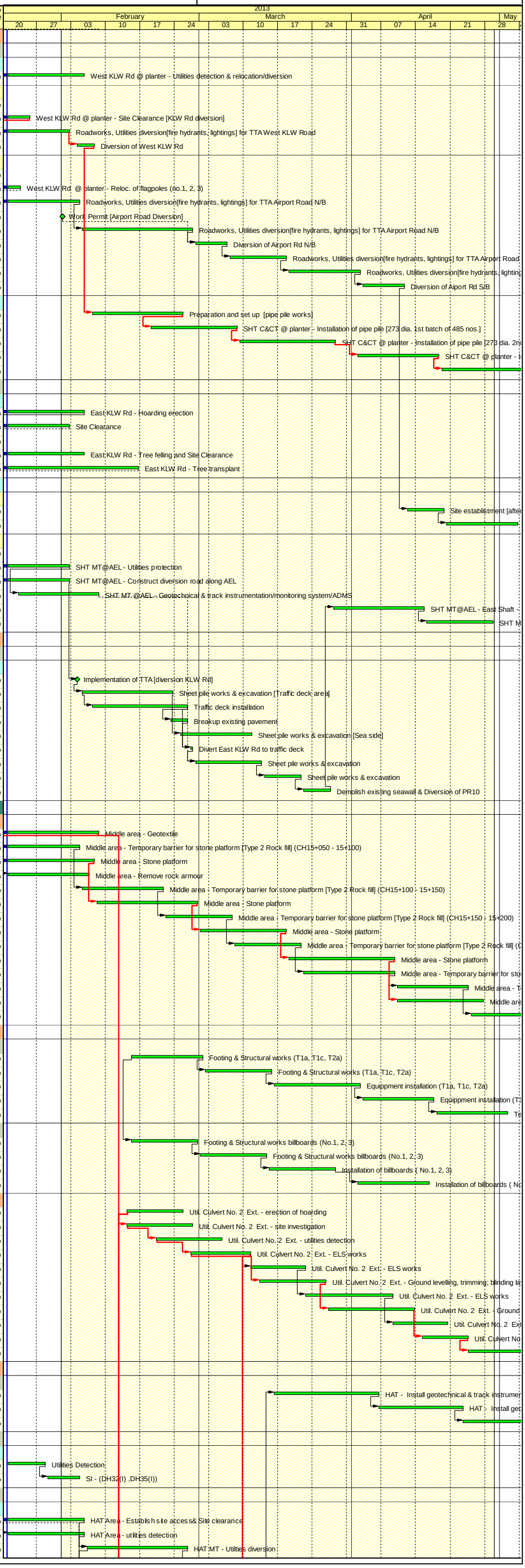
3-Months Rolling Programme (ER Part 5 & SCC 27(9))

(February 2013 to April 2013)

Layout HZMB - Layout 2 (3M)

TASK filters: 3M09, HZMB No Level Effort.

Activity ID	Activity Name	Dur. (days)	Start	Finish	Activity % Complete
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)					
SHT1970	West KLW Rd @ planter - Utilities detection & relocation/diversion	14d	15-Sep-12 A	05-Feb-13	85%
TTA @ Diversion West KLW Rd					
SHT1993	Work Permit [KLW Road Diversion]	0d	10-Jan-13 A		100%
SHT1994	West KLW Rd @ planter - Site Clearance [KLW Rd diversion]	5d	11-Jan-13 A	25-Jan-13	60%
SHT1995	Roadworks, Utilities diversion[fire hydrants, lightings] for TTA West KLW Road	12d	16-Jan-13 A	02-Feb-13	50%
SHT1996	Diversion of West KLW Rd	4d	04-Feb-13	07-Feb-13	0%
TTA @ Diversion Airport Road N/B & S/B					
SHT1999	West KLW Rd @ planter - Site Clearance [flagpole relocation]	10d	18-Dec-12 A	02-Jan-13 A	100%
SHT1130	West KLW Rd @ planter - Reloc. of flagpoles (no.1, 2, 3)	15d	03-Jan-13 A	23-Jan-13	95%
SHT1131	Roadworks, Utilities diversion[fire hydrants, lightings] for TTA Airport Road N/B	17d	16-Jan-13 A	04-Feb-13	75%
SHT1998	Work Permit [Airport Road Diversion]	0d	01-Feb-13*		0%
SHT1132	Roadworks, Utilities diversion[fire hydrants, lightings] for TTA Airport Road N/B	17d	05-Feb-13	27-Feb-13	0%
SHT1133	Diversion of Airport Rd N/B	6d	28-Feb-13	06-Mar-13	0%
SHT1134	Roadworks, Utilities diversion[fire hydrants, lightings] for TTA Airport Road S/B	10d	07-Mar-13	18-Mar-13	0%
SHT1135	Roadworks, Utilities diversion[fire hydrants, lightings] for TTA Airport Road S/B	10d	19-Mar-13	02-Apr-13	0%
SHT1136	Diversion of Aiport Rd S/B	7d	03-Apr-13	11-Apr-13	0%
Civil & Structurals Works					
SHT1080	Preparation and set up [pipe pile works]	13d	07-Feb-13	25-Feb-13	0%
SHT1081	SHT C&CT @ planter - Installation of pipe pile [273 dia. 1st batch of 485 nos.]	20d	19-Feb-13	08-Mar-13	0%
SHT1082	SHT C&CT @ planter - Installation of pipe pile [273 dia. 2nd batch of 485 nos.]	17d	09-Mar-13	28-Mar-13	0%
SHT1083	SHT C&CT @ planter - Installation of pipe pile [273 dia. 3rd batch of 485 nos.]	14d	02-Apr-13	18-Apr-13	0%
SHT1084	SHT C&CT @ planter - Installation of pipe pile [273 dia. 4 th batch of 485 nos.]	14d	19-Apr-13	06-May-13	0%
Mined Tunnel Underneath AEL Ch 14+128 to Ch 14+175					
Initial Works (@ East Kwo Lo Wan Road Area)					
SHT1731	East KLW Rd - Hoarding erection	14d	20-Dec-12 A	05-Feb-13	80%
SHT1711	Site Clearance	14d	31-Dec-12 A	02-Feb-13	80%
SHT1712	Work Permit (Tree Felling/Transplant)	0d	08-Jan-13 A		100%
SHT1710	East KLW Rd - Tree felling and Site Clearance	14d	09-Jan-13 A	05-Feb-13	80%
SHT1713	East KLW Rd - Tree transplant	7d	09-Jan-13 A	16-Feb-13	20%
Civil & Structurals Works					
ELS for West Access Shaft (Retrieval Shaft)					
SHT1803	Site establistment [after TTA Airport Rd S/B]	7d	12-Apr-13	19-Apr-13	0%
SHT1822	SHT MT AEL West Shaft - 1st Sheetpile (340m2), king post (2nos)	12d	20-Apr-13	04-May-13	0%
ELS for East Access Shaft (Jacking Shaft)					
SHT1872	SHT MT@AEL - Hoarding , const. drainage	12d	15-Nov-12 A	18-Jan-13 A	100%
SHT1853	SHT MT@AEL - Utilities protection	12d	04-Dec-12 A	02-Feb-13	40%
SHT1882	SHT MT@AEL - Construct diversion road along AEL	6d	15-Jan-13 A	02-Feb-13	50%
SHT1862	SHT MT @AEL - Geotechnical & track instrumentation/monitoring system/ADMS	15d	23-Jan-13	08-Feb-13	0%
SHT1902	SHT MT@AEL - East Shaft - 1st Sheetpile(40m2), king posts (1 no)	12d	28-Mar-13	15-Apr-13	0%
SHT1903	SHT MT@AEL - East Shaft - 2nd Sheetpile(40m2), king posts (1 no)	12d	16-Apr-13	29-Apr-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					
BC1016	Implementation of TTA [diversion KLW Rd]	0d	04-Feb-13		0%
BC1019	Sheet pile works & excavation [Traffic deck area]	14d	05-Feb-13	23-Feb-13	0%
BC1021	Traffic deck installation	14d	07-Feb-13	26-Feb-13	0%
BC1022	Breakup existing pavement	3d	23-Feb-13	26-Feb-13	0%
BC1020	Sheet pile works & excavation [Sea side]	13d	25-Feb-13	11-Mar-13	0%
BC1023	Divert East KLW Rd to traffic deck	1d	27-Feb-13	27-Feb-13	0%
BC1024	Sheet pile works & excavation	12d	28-Feb-13	13-Mar-13	0%
BC1240	Sheet pile works & excavation	7d	14-Mar-13	21-Mar-13	0%
BC1026	Demolish existing seawall & Diversion of PR10	5d	22-Mar-13	27-Mar-13	0%
WORKS IN MIDDLE AREA CH15+050 to 15+500 (HKLR AT GRADE, HAT MT, BRIDGE A1 & A2)					
Reclamation & Seawall Const. [other than Zone A; Portion C & D1] [450m Approx.]					
RSC1401	Middle area - Geotextile	15d	13-Nov-12 A	08-Feb-13	10%
RSC1410	Middle area - Temporary barrier for stone platform [Type 2 Rock fill] (CH15+050 - 15+100)	13d	18-Dec-12 A	04-Feb-13	3%
RSC1419	Middle area - Stone platform	16d	18-Dec-12 A	07-Feb-13	3%
RSC1390	Middle area - Remove rock armour	15d	21-Jan-13	06-Feb-13	0%
RSC1411	Middle area - Temporary barrier for stone platform [Type 2 Rock fill] (CH15+100 - 15+150)	12d	05-Feb-13	21-Feb-13	0%
RSC1420	Middle area - Stone platform	15d	08-Feb-13	28-Feb-13	0%
RSC1412	Middle area - Temporary barrier for stone platform [Type 2 Rock fill] (CH15+150 - 15+200)	12d	22-Feb-13	07-Mar-13	0%
RSC1421	Middle area - Stone platform	15d	01-Mar-13	18-Mar-13	0%
RSC1413	Middle area - Temporary barrier for stone platform [Type 2 Rock fill] (CH15+200 - 15+250)	12d	08-Mar-13	21-Mar-13	0%
RSC1422	Middle area - Stone platform	15d	19-Mar-13	09-Apr-13	0%
RSC1414	Middle area - Temporary barrier for stone platform [Type 2 Rock fill] (CH15+250 - 15+300)	12d	22-Mar-13	09-Apr-13	0%
RSC1415	Middle area - Temporary barrier for stone platform [Type 2 Rock fill] (CH15+300 - 15+350)	13d	10-Apr-13	24-Apr-13	0%
RSC1423	Middle area - Stone platform	16d	10-Apr-13	27-Apr-13	0%
RSC1416	Middle area - Temporary barrier for stone platform [Type 2 Rock fill] (CH15+350 - 15+400)	13d	25-Apr-13	10-May-13	0%
Flight Information Signs (PARDS) & Billboards- Reprovisioning Works					
PARDS - Construction T1a, T1c, T2a					
PARDS100	Footing & Structural works (T1a, T1c, T2a)	13d	15-Feb-13*	01-Mar-13	0%
PARDS101	Footing & Structural works (T1a, T1c, T2a)	12d	02-Mar-13	15-Mar-13	0%
PARDS110	Equippment installation (T1a, T1c, T2a)	12d	16-Mar-13	02-Apr-13	0%
PARDS111	Equippment installation (T1a, T1c, T2a)	12d	03-Apr-13	17-Apr-13	0%
PARDS120	Testing and Commissioning	12d	18-Apr-13	02-May-13	0%
Relocation of Billboards					
PARDS200	Footing & Structural works billboards (No.1, 2, 3)	12d	15-Feb-13	28-Feb-13	0%
PARDS210	Footing & Structural works billboards (No.1, 2, 3)	12d	01-Mar-13	14-Mar-13	0%
PARDS220	Installation of billboards (No.1, 2, 3)	12d	15-Mar-13	28-Mar-13	0%
PARDS230	Installation of billboards (No.1, 2, 3)	12d	02-Apr-13	16-Apr-13	0%
Utility Culvert No. 2 Ext. near Bridge A2 [30m Approx.]					
UC2.1002	Util. Culvert No. 2 Ext. - erection of hoarding	10d	14-Feb-13	25-Feb-13	0%
UC2.1004	Util. Culvert No. 2 Ext. - site investigation	12d	14-Feb-13	27-Feb-13	0%
UC2.1006	Util. Culvert No. 2 Ext. - utilities detection	12d	20-Feb-13	05-Mar-13	0%
UC2.1010	Util. Culvert No. 2 Ext. - ELS works	13d	27-Feb-13	11-Mar-13	0%
UC2.1011	Util. Culvert No. 2 Ext. - ELS works	13d	11-Mar-13	22-Mar-13	0%
UC2.1020	Util. Culvert No. 2 Ext. - Ground levelling, trimming; blinding layer	15d	13-Mar-13	26-Mar-13	0%
UC2.1012	Util. Culvert No. 2 Ext. - ELS works	13d	22-Mar-13	09-Apr-13	0%
UC2.1060	Util. Culvert No. 2 Ext. - Ground levelling, trimming; blinding layer	15d	27-Mar-13	13-Apr-13	0%
UC2.1013	Util. Culvert No. 2 Ext. - ELS works	13d	09-Apr-13	20-Apr-13	0%
UC2.1070	Util. Culvert No. 2 Ext. - Ground levelling, trimming; blinding layer	11d	15-Apr-13	24-Apr-13	0%
UC2.1030	Util. Culvert No. 2 Ext. - Culvert structure	17d	24-Apr-13	11-May-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	18d	16-Mar-13	06-Apr-13	0%
HAT1591	HAT - Install geotechnical & track instrumentation/monitoring system	18d	06-Apr-13	23-Apr-13	0%
HAT1592	HAT - Install geotechnical & track instrumentation/monitoring system	18d	23-Apr-13	11-May-13	0%
CCT for HAT across Airport Road [200m Approx.]					
Utilities Diversion and SI Works					
HAT1532	Utilities Detection	7d	21-Jan-13*	28-Jan-13	0%
HAT1533	SI - (DH32(I) ,DH35(I))	6d	29-Jan-13	04-Feb-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	05-Feb-13	25%
HAT1558	HAT Area - utilities detection	14d	21-Jan-13	05-Feb-13	0%
HAT1550	HAT MT - Utilties diversion	15d	06-Feb-13	26-Feb-13	0%



FILE: 3M09

Sheet 3 of 3

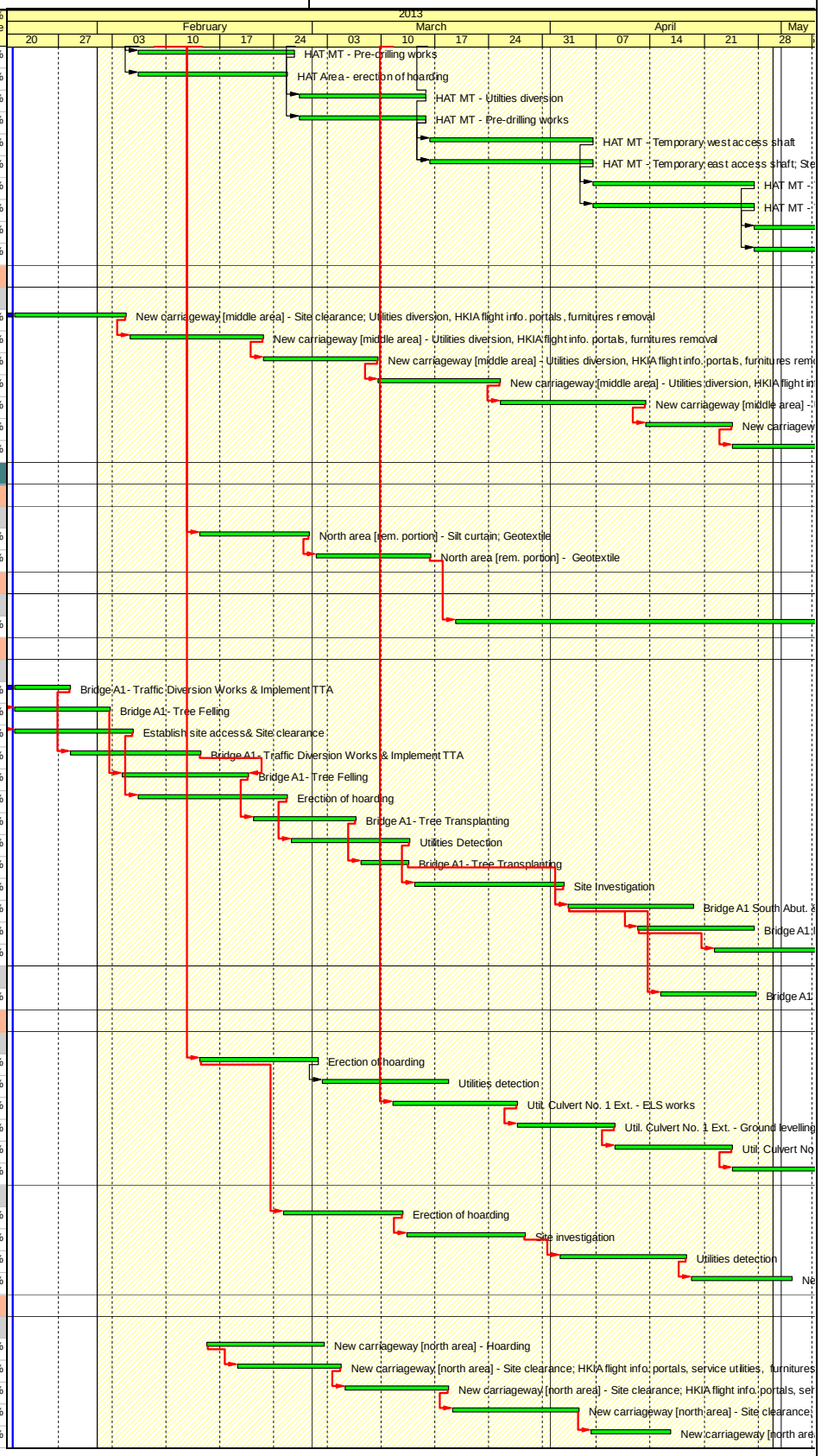
3-Months Rolling Programme (ER Part 5 & SCC 27(9))

(February 2013 to April 2013)

Layout HZMB - Layout 2 (3M)

TASK filters: 3M09, HZMB No Level Effort.

Activity ID	Activity Name	Dur. (days)	Start	Finish	Activity % Complete
HAT1560	HAT MT - Pre-drilling works	15d	06-Feb-13	26-Feb-13	0%
HAT1554	HAT Area - erection of hoarding	14d	06-Feb-13	25-Feb-13	0%
HAT1551	HAT MT - Utilities diversion	15d	27-Feb-13	15-Mar-13	0%
HAT1561	HAT MT - Pre-drilling works	15d	27-Feb-13	15-Mar-13	0%
HAT1580	HAT MT - Temporary west access shaft	18d	16-Mar-13	06-Apr-13	0%
HAT1570	HAT MT - Temporary east access shaft; Steel road decking [1st layer]	18d	16-Mar-13	06-Apr-13	0%
HAT1581	HAT MT - Temporary west access shaft	18d	06-Apr-13	27-Apr-13	0%
HAT1571	HAT MT - Temporary east access shaft; Steel road decking[1st layer]	18d	06-Apr-13	27-Apr-13	0%
HAT1582	HAT MT - Temporary west access shaft	18d	27-Apr-13	21-May-13	0%
HAT1572	HAT MT - Temporary east access shaft; Steel road decking[2nd layer]	18d	27-Apr-13	21-May-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	16d	20-Dec-12 A	04-Feb-13	5%
NCW1041	New carriageway [middle area] - Utilities diversion, HKIA flight info. portals, furnitures removal	16d	05-Feb-13	22-Feb-13	0%
NCW1042	New carriageway [middle area] - Utilities diversion, HKIA flight info. portals, furnitures removal	16d	22-Feb-13	09-Mar-13	0%
NCW1043	New carriageway [middle area] - Utilities diversion, HKIA flight info. portals, furnitures removal	16d	09-Mar-13	25-Mar-13	0%
NCW1044	New carriageway [middle area] - Utilities diversion, HKIA flight info. portals, furnitures removal	16d	25-Mar-13	13-Apr-13	0%
NCW1045	New carriageway [middle area] - Utilities diversion, HKIA flight info. portals, furnitures removal	12d	13-Apr-13	24-Apr-13	0%
NCW1046	New carriageway [middle area] - Utilities diversion, HKIA flight info. portals, furnitures removal	13d	24-Apr-13	14-May-13	0%
WORKS IN NORTH AREA - CH 15+500 to CH 16+223 (HKLR AT GRADE & ROADWORKS)					
Reclamation & Seawall Const. [723m Approx.]					
Remaining Portion [463m Approx.] (Except Zone D)					
RSC1709	North area [rem. portion] - Silt curtain; Geotextile	16d	14-Feb-13	28-Feb-13	0%
RSC1710	North area [rem. portion] - Geotextile	16d	01-Mar-13	16-Mar-13	0%
Reprovisioning Works					
Protection Works to Existing Aeronautical Lights & Weather Station					
AL1001	Aeronaut.Lights - Protection works to affected portals	43d	19-Mar-13	14-May-13	0%
Works in Bridge A1 & Depressed Road					
Bridge A1 - Initial Works and SI Works					
BA1.1350	Bridge A1- Traffic Diversion Works & Implement TTA	15d	18-Jan-13 A	28-Jan-13	5%
BA1.1370	Bridge A1- Tree Felling	15d	21-Jan-13	02-Feb-13	0%
BA1.1412	Establish site access& Site clearance	14d	21-Jan-13	05-Feb-13	0%
BA1.1351	Bridge A1- Traffic Diversion Works & Implement TTA	15d	28-Jan-13	14-Feb-13	0%
BA1.1371	Bridge A1- Tree Felling	15d	04-Feb-13	20-Feb-13	0%
BA1.1414	Erection of hoarding	14d	06-Feb-13	25-Feb-13	0%
BA1.1372	Bridge A1- Tree Transplanting	15d	21-Feb-13	06-Mar-13	0%
BA1.1416	Utilities Detection	14d	26-Feb-13	13-Mar-13	0%
BA1.1373	Bridge A1- Tree Transplanting	7d	07-Mar-13	13-Mar-13	0%
BA1.1418	Site Investigation	14d	14-Mar-13	02-Apr-13	0%
BA1.1000	Bridge A1 South Abut. & Ramp - Pre-drilling works	17d	03-Apr-13	19-Apr-13	0%
BA1.1110	Bridge A1 North Abut. & Ramp - Pre-drilling works	17d	12-Apr-13*	27-Apr-13	0%
BA1.1220	Bridge A1 Piers - Pre-drilling works - 4d/rig; 2 rigs	37d	22-Apr-13	28-May-13	0%
Bridge A1 - Footings & Abutment					
BA1.1010	Bridge A1 South Abut. & Ramp - Pad footing	15d	15-Apr-13	27-Apr-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	14-Feb-13	01-Mar-13	0%
UC1.1.066	Utilities detection	14d	02-Mar-13	18-Mar-13	0%
UC1.1070	Util. Culvert No. 1 Ext. - ELS works	18d	11-Mar-13	27-Mar-13	0%
UC1.1080	Util. Culvert No. 1 Ext. - Ground levelling, trimming; blinding layer	8d	27-Mar-13	09-Apr-13	0%
UC1.1090	Util. Culvert No. 1 Ext. - Culvert structure (1st 24m)	17d	09-Apr-13	24-Apr-13	0%
UC1.1091	Util. Culvert No. 1 Ext. - Culvert structure (2nd 24m)	17d	24-Apr-13	11-May-13	0%
New Utility Culvert No. 3 adjacent to HKIA [160m Approx.]					
UC3.1172	Erection of hoarding	14d	25-Feb-13	12-Mar-13	0%
UC3.1174	Site investigation	14d	13-Mar-13	28-Mar-13	0%
UC3.1176	Utilities detection	14d	02-Apr-13	18-Apr-13	0%
UC3.1180	New Util. Culvert No. 3 - ELS works	13d	19-Apr-13	02-May-13	0%
New Carriageway & Modification of Existing Roads					
New Carriageway adjacent to HKIA [407.5m Approx.]					
NCW1130	New carriageway [north area] - Hoarding	17d	15-Feb-13*	02-Mar-13	0%
NCW1140	New carriageway [north area] - Site clearance; HKIA flight info. portals, service utilities, furnitures rei	15d	19-Feb-13	04-Mar-13	0%
NCW1141	New carriageway [north area] - Site clearance; HKIA flight info. portals, service utilities, furnitures rei	15d	05-Mar-13	18-Mar-13	0%
NCW1142	New carriageway [north area] - Site clearance; HKIA flight info. portals, service utilities, furnitures rei	15d	19-Mar-13	04-Apr-13	0%
NCW1143	New carriageway [north area] - Site clearance; HKIA flight info. portals, service utilities, furnitures rei	11d	06-Apr-13	16-Apr-13	0%



APPENDIX C

Location of Works Areas

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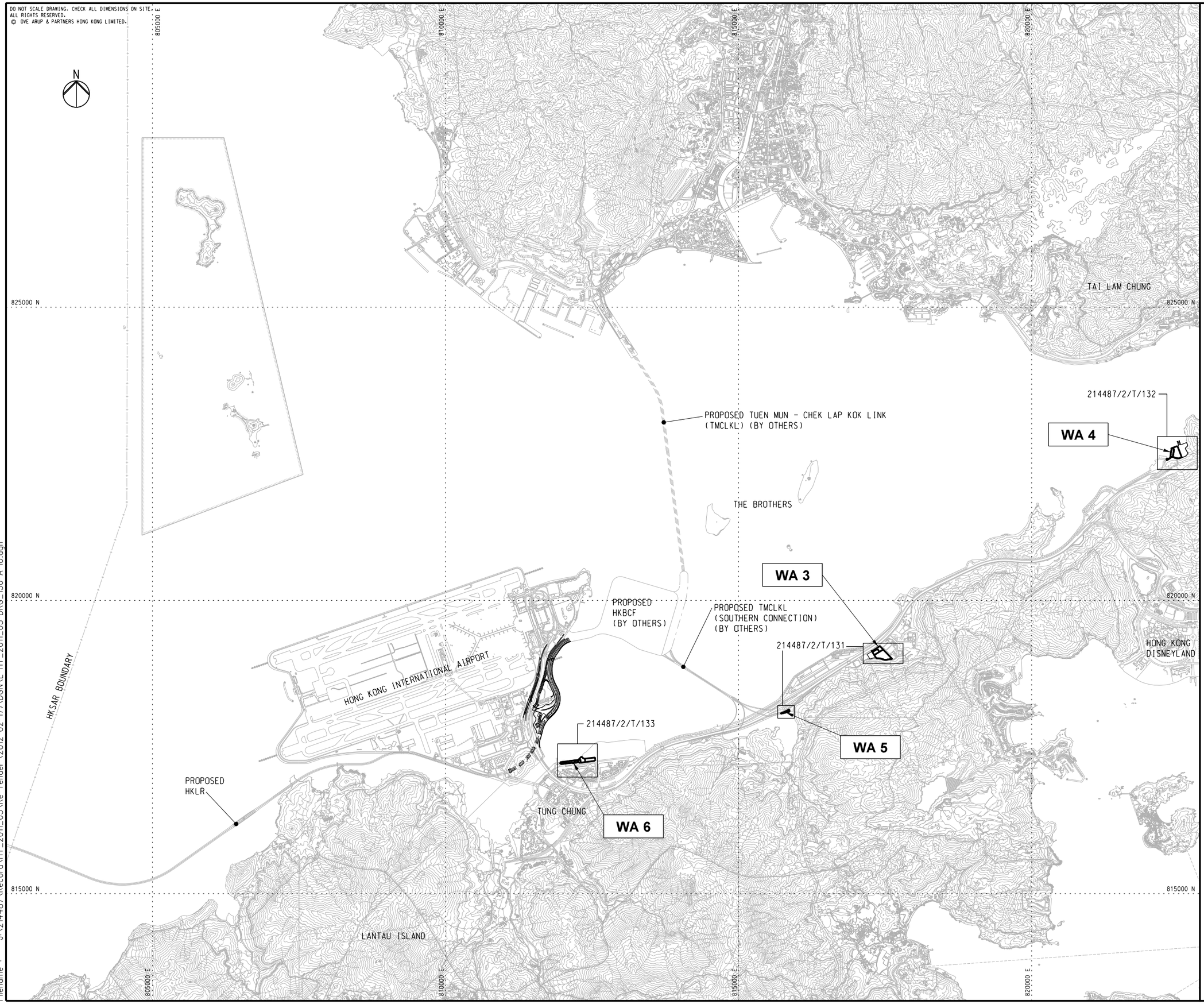

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Consultant

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

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N

WORKS AREA
WA3

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Filename : Z:\Drawings\214487\Route.dgn

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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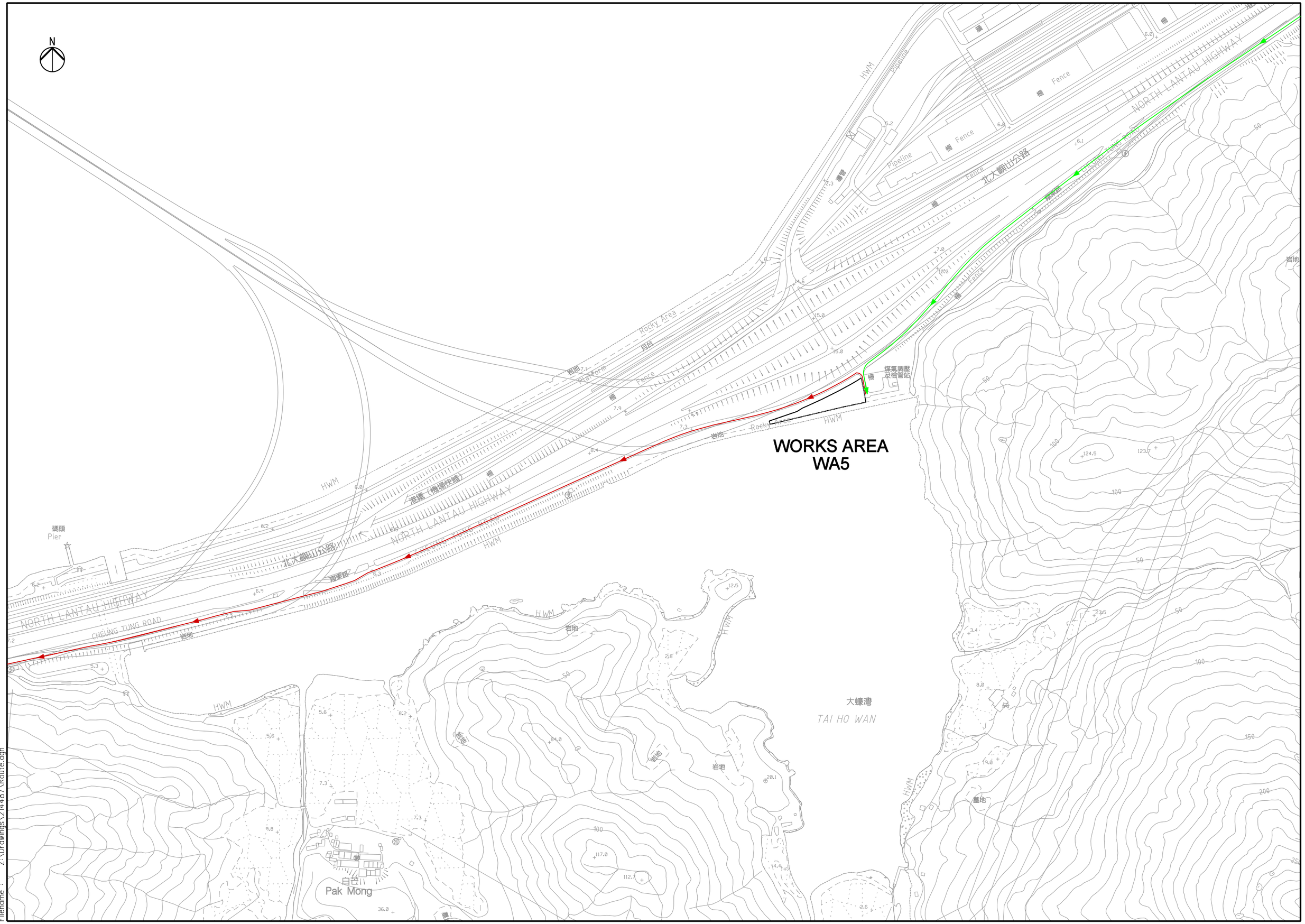

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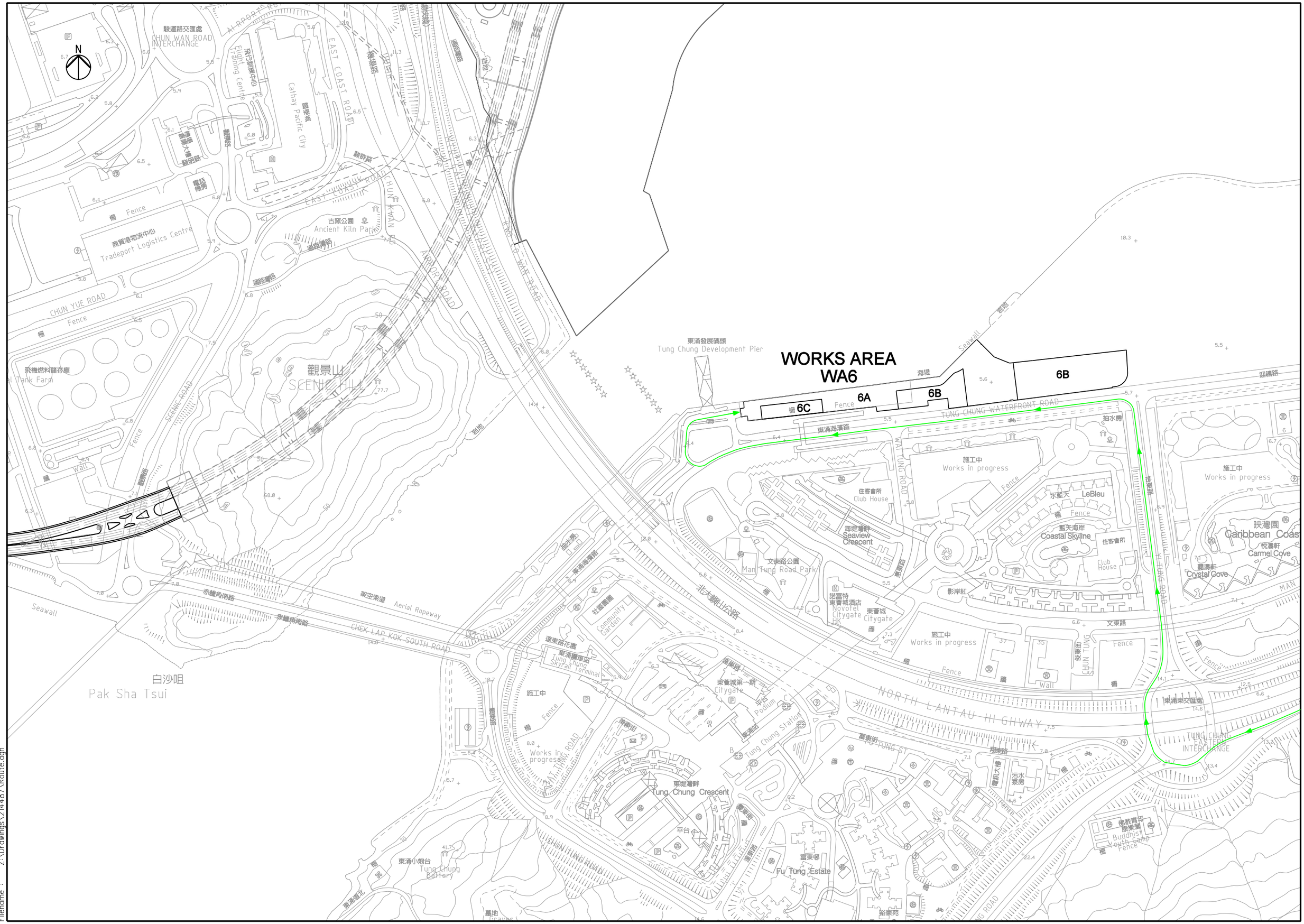

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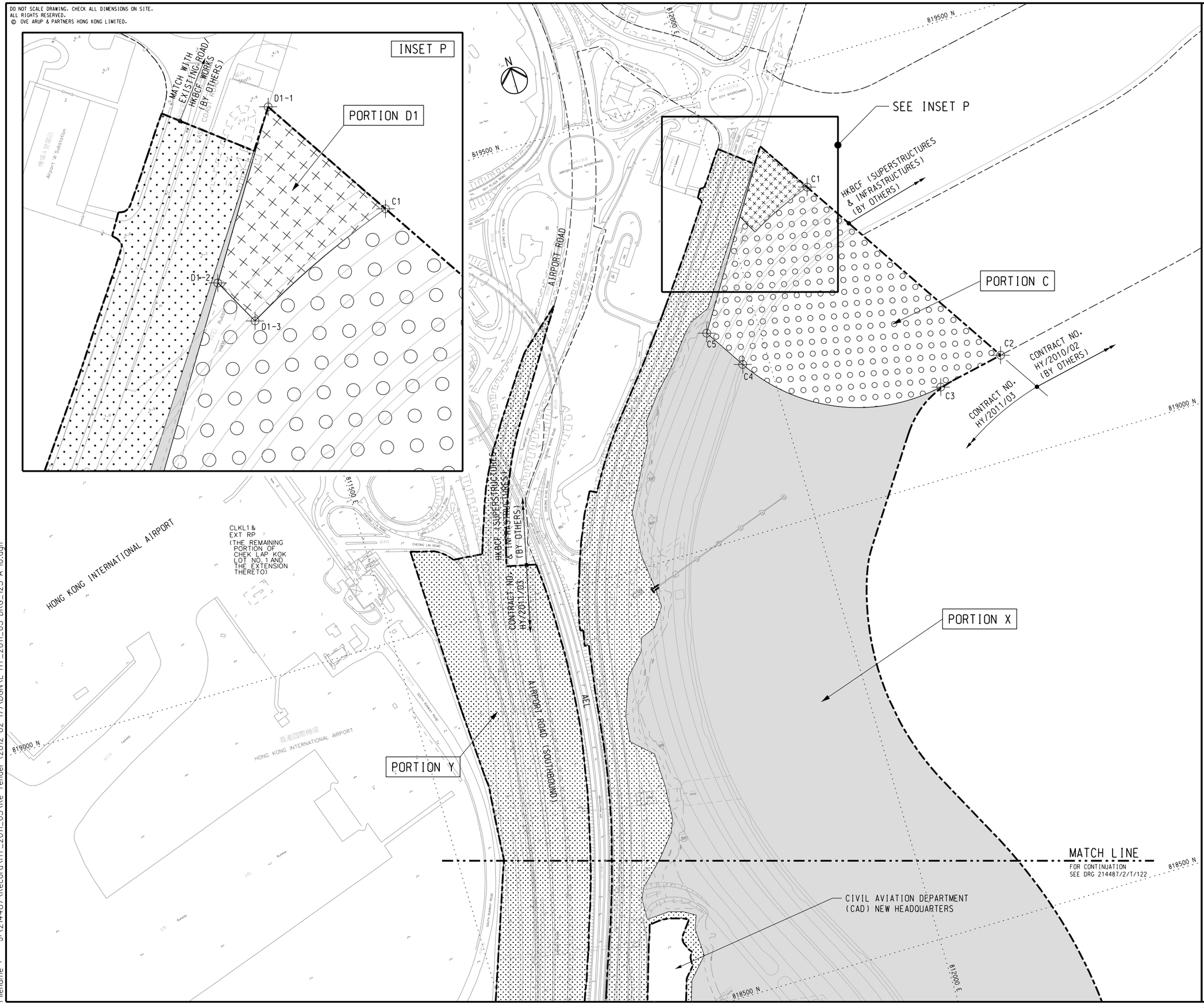

NOTES

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

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Consultant

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

Contract No. and Title:

Contract No. HY/2011/03

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

Drawing title

PORTION OF SITE
(SHEET 3 OF 3)

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Contract No. HY/2011/03

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

PORTION OF SITE
(SHEET 2 OF 3)

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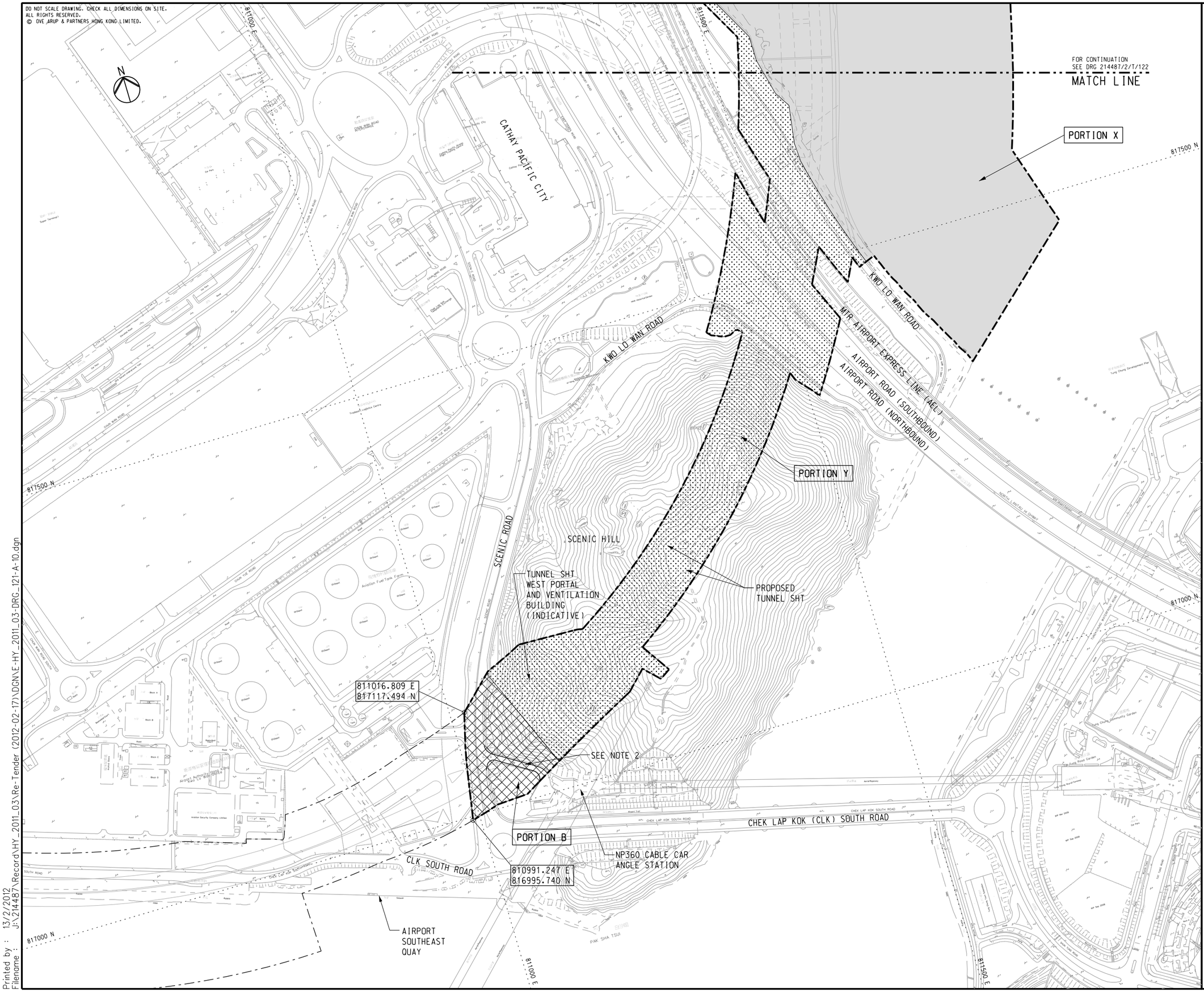

NOTES

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

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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

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PORTION OF SITE
(SHEET 1 OF 3)

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APPENDIX D

Event and Action Plan

Event and Action Plan for Air Quality

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

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

Event and Action Plan for Noise

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

Event and Action Plan for Water Quality

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

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

Event and Action Plan for Dolphin Monitoring

Event	Action*			
	ET	IEC	SO	Contractor
Dolphin numbers and behaviour patterns recorded in the construction and post-construction monitoring are significantly lower than or different from those recorded in the pre-construction monitoring.	Repeat statistical data analysis to confirm findings; Review historical data to ensure differences are as a result of natural variation or previously observed seasonal differences; Identify source(s) of impact; Inform the IEC, SO and Contractor; Check monitoring data; Discuss additional dolphin monitoring and any other measures, with the IEC and Contractor.	Discuss monitoring with the ET and the Contractor; Review proposals for additional monitoring and any other measures submitted by the Contractor and advise the SO accordingly.	Discuss with the IEC additional monitoring requirements and any other measures proposed by the ET; Make agreement on the measures to be implemented.	Inform the SO and confirm notification of the non-compliance in writing; Discuss with the ET and the IEC and propose measures to the IEC and the SO; Implement the agreed measures.

Notes:
* Action to be instigated within 1 month of an event

Event and Action Plan for Mudflat Monitoring

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

APPENDIX E

Implementation Schedule of Environmental Mitigation Measures

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: • Any excavated or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading; • Any dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads; • A stockpile of dusty material should not be extend beyond the pedestrian barriers, fencing or traffic cones. • The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle; • Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road section between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores;	Good construction site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria.	Contractor	All construction sites	Construction stage	√
S5.5.6.2	A2	• When there are open excavation and reinstatement works, hoarding of not less than 2.4m high should be provided as far as practicable along the site boundary with provision for public crossing. Good site practice shall also be adopted by the Contractor to ensure the conditions of the hoardings are	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	√

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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; • The portion of any road leading only to construction site that is within 30m of a vehicle entrance or exit should be kept clear of dusty materials; • Surfaces where any pneumatic or power-driven drilling, cutting, polishing or other mechanical breaking operation takes place should be sprayed with water or a dust suppression chemical continuously; • Any area that involves demolition activities should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after the activities so as to maintain the entire surface wet; • Where a scaffolding is erected around the perimeter of a building under construction, effective dust screens, sheeting or netting should be provided to enclose the scaffolding from the ground floor level of the building, or a canopy should be provided from the first floor level up to the highest level of the scaffolding; • Any skip hoist for material transport should be totally enclosed by impervious sheeting; • Every stock of more than 20 bags of cement or dry pulverized fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides;					
S5.5.6.2	A2	• Cement or dry PFA delivered in bulk should be stored in a closed silo fitted with an audible high level alarm which is interlocked with the material filling line and no overfilling is allowed; • Loading, unloading, transfer, handling or storage of bulk cement or dry PFA should be carried out in a totally enclosed system or facility, and any vent or exhaust should be fitted with an effective fabric filter or equivalent air pollution control system; and • Exposed earth should be properly treated by	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

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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 fugitive dust emissions for concrete batching plant: • Loading, unloading, handling, transfer or storage of any dusty materials should be carried out in totally enclosed system; • All dust-laden air or waste gas generated by the process operations should be properly extracted and vented to fabric filtering system to meet the emission limits for TSP; • Vents for all silos and cement/pulverised fuel ash (PFA) weighing scale should be fitted with fabric filtering system; • The materials which may generate airborne dusty emissions should be wetted by water spray system; • All receiving hoppers should be enclosed on three sides up to 3m above unloading point; • All conveyor transfer points should be totally	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; • All access and route roads within the premises should be paved and wetted; and • Vehicle cleaning facilities should be provided and used by all concrete trucks before leaving the premises to wash off any dust on the wheels and/or body.					
S5.5.2.7	A7	The following mitigation measures should be adopted to prevent fugitive dust emissions at barging point: • All road surface within the barging facilities will be paved; • Dust enclosures will be provided for the loading ramp; • Vehicles will be required to pass through designated wheels wash facilities; and • Continuous water spray at the loading points.	Control construction dust	Contractor	All construction sites	Construction stage	√
S6.4.10	N1	1) Use of good site practices to limit noise emissions by considering the following: • only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme; • machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum; • plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs; • silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works • mobile plant should be sited as far away from NSRs as possible and practicable; • material stockpiles, mobile container site officer and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities.	Control construction airborne noise by means of good site practices	Contractor	All construction sites	Construction stage	√

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: • Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement; • Carry out on-site sorting; • Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate; • Adopt .Selective Demolition. technique to demolish the existing structures and facilities with a view to recovering broken concrete effectively for recycling purpose, where possible; • Implement a trip-ticket system for each works contract to ensure that the disposal of C&D materials are properly documented and verified; and • Implement an enhanced Waste Management Plan similar to ETWBTC (Works) No. 19/2005. Environmental Management on Construction Sites. to encourage on-site sorting of C&D materials and to minimize their generation during the course of construction. • In addition, disposal of the C&D materials onto any sensitive locations such as agricultural lands, etc. should be avoided. The Contractor shall propose the final disposal sites to the Project Proponent and get its approval before implementation	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> • 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. • 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> • Chemical waste that is produced, as defined by Schedule 1 of the Waste Disposal (Chemical Waste) (General) Regulation, should be handled in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. • Containers used for the storage of chemical wastes should be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed; have a capacity of less than 450 liters unless the specification has been approved by the EPD; and display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the regulation.. • The storage area for chemical wastes should be clearly labeled and used solely for the storage of chemical waste; enclosed on at least 3 sides; have an impermeable floor and bunding of sufficient capacity to accommodate 110% of the volume of the largest container or 20 % of the total volume of waste stored in that area, whichever is the greatest; have adequate ventilation; covered to prevent rainfall entering; and arranged so that incompatible materials are adequately separated.	Control the chemical waste and ensure proper storage, 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* • Adequate numbers of portable toilets should be provided for the workers. The portable toilets should be maintained in a state, which will not deter the workers from utilizing these portable toilets. Night soil should be collected by licensed collectors regularly.	Proper handling of sewage from worker to avoid odour, pest and litter impacts	Contractor	All construction sites	Construction stage	√
S8.3.17	WM5	*General Refuse* • General refuse generated on-site should be stored in enclosed bins or compaction units separately from construction and chemical wastes. • A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from construction and chemical wastes, on a daily basis to minimize odour, pest and litter impacts. Burning of refuse on construction sites is prohibited by law. • Aluminium cans are often recovered from the waste stream by individual collectors if they are segregated and made easily accessible. Separate labelled bins for their deposit should be provided if feasible. • Office wastes can be reduced through the recycling of paper if volumes are large enough to warrant collection. Participation in a local collection scheme should be considered by the Contractor. In addition, waste separation facilities for paper, aluminum cans, plastic bottles etc., should be provided. • Training should be provided to workers about the concepts of site cleanliness and appropriate	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. • 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: - TMCLKL northern reclamation; - TMCLKL southern reclamation (after formation of the nips); - 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; • For the marine viaducts of HKLR, the bored piling will be undertaken within a metal casing; • A maximum of 30% public fill shall be used for all backfilling below -2.5mPD for the southern reclamation of TMCLKL, HKBCF and HKLR projects; • where public fill is proposed for filling below -2.5mPD, the fine content in the public fill will be	To control construction water quality	Contractor	During seawall dredging and filling	Construction stage	√

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
		controlled to 25%; • silt curtains (cage type) will be applied round all grab dredgers during the HKLR southern reclamation works; • single layer silt curtains will be applied around all works; • during the first two months of dredging work for HKLR, the silt-removal efficiency of the silt-curtains shall be verified by examining the results of water quality monitoring points. The water quality monitoring points to be selected for the above shall be those close to the locations of the initial period of dredging work. Details in this regard shall be determined by the ENPO to be established, taking account of the Contractor's proposed actual locations of his initial period of dredging work. • silt curtain shall be fully maintained throughout the works.					
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. • trailer suction hopper dredgers shall not allow mud to overflow; • 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; • barges and hopper dredgers shall have tight fitting seals to their bottom openings to prevent leakage of material; • any pipe leakages shall be repaired quickly. Plant should not be operated with leaking pipes; • loading of barges and hoppers shall be controlled to prevent splashing of dredged					√

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; • excess material shall be cleaned from the decks and exposed fittings of barges and hopper dredgers before the vessel is moved; • adequate freeboard shall be maintained on barges to reduce the likelihood of decks being washed by wave action; • all vessels shall be sized such that adequate clearance is maintained between vessels and the sea bed at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash; and • the works shall not cause foam, oil, grease, litter or other objectionable matter to be present in the water within and adjacent to the works site.					
S9.11.1.3	W2	<u>Land Works</u> General construction activities on land should also be governed by standard good working practice. Specific measures to be written into the works contracts should include: • wastewater from temporary site facilities should be controlled to prevent direct discharge to surface or marine waters; • sewage effluent and discharges from on-site kitchen facilities shall be directed to Government sewer in accordance with the requirements of the WPCO or collected for disposal offsite. The use of soakaways shall be avoided; • storm drainage shall be directed to storm drains via adequately designed sand/silt removal facilities such as sand traps, silt traps and sediment basins. Channels, earth bunds or sand bag barriers should be provided on site to properly direct stormwater to such silt removal	To control construction water quality	Contractor	During seawall dredging and filling	Construction stage	√

Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
		facilities. Catchpits and perimeter channels should be constructed in advance of site formation works and earthworks; • silt removal facilities, channels and manholes shall be maintained and any deposited silt and grit shall be removed regularly,including specifically at the onset of and after each rainstorm; • temporary access roads should be surfaced with crushed stone or gravel; • rainwater pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities; • measures should be taken to prevent the washout of construction materials, soil, silt or debris into any drainage system; • open stockpiles of construction materials (e.g. aggregates and sand) on site should be covered with tarpaulin or similar fabric during rainstorms; • manholes (including any newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers; • discharges of surface run-off into foul sewers must always be prevented in order not to unduly overload the foul sewerage system;					

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EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation Status
S9.11.1.3	W2	• all vehicles and plant should be cleaned before they leave the construction site to ensure that no earth, mud or debris is deposited by them on roads. A wheel washing bay should be provided at every site exit; • wheel wash overflow shall be directed to silt removal facilities before being discharged to the storm drain; • the section of construction road between the wheel washing bay and the public road should be surfaced with crushed stone or coarse gravel; • wastewater generated from concreting, plastering, internal decoration, cleaning work and other similar activities, shall be screened to remove large objects; • vehicle and plant servicing areas, vehicle wash bays and lubrication facilities shall be located under roofed areas. The drainage in these covered areas shall be connected to foul sewers via a petrol interceptor in accordance with the requirements of the WPCO or collected for off site disposal; • the contractors shall prepare an oil / chemical cleanup plan and ensure that leakages or spillages are contained and cleaned up immediately; • waste oil should be collected and stored for recycling or disposal, in accordance with the Waste Disposal Ordinance; • all fuel tanks and chemical storage areas should be provided with locks and be sited on sealed areas. The storage areas should be surrounded by bunds with a capacity equal to 110% of the storage capacity of the largest tank; and • surface run-off from bunded areas should pass through oil/grease traps prior to discharge to the stormwater system.	To control construction water quality	Contractor	During seawall 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 • Reinstate works areas in Scenic Hill • Avoid stream modification in Scenic Hill	Avoid potential disturbance on habitat of Romer.s Tree Frog in Scenic Hill	Designer; Contractor	Scenic Hill	During construction	√
S10.7	E2	• Use closed grab in dredging works. • Install silt curtain during the construction. • Limit dredging and works fronts. • Construct seawall prior to reclamation filling where practicable. • Good site practices • Strict enforcement of no marine dumping. • Site runoff control3 • 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; • Dolphin watching plan	Minimize temporary marine habitat loss impact to dolphins	Contractor	Marine works	During marine works	√
S10.7	E7	• Decouple compressors and other equipment on working vessels • Avoidance of percussive piling • Marine underwater noise monitoring	Minimise marine noise impacts on dolphins	Contractor	Marine works	During marine works	√

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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; • Handling with care for the installation of sheet piling for reclamation site					
S10.7	E8	• Control vessel speed • Skipper training. • Predefined and regular routes for working vessels; avoid Brothers Islands.	Minimise marine traffic disturbance on dolphins	Contractor	Marine traffic	During marine works	√
S10.10	E9	• Dolphin vessel monitoring • Mudflat ecological monitoring	Minimise marine traffic disturbance on dolphins	Contractor	North Lantau and West Lantau	Prior to construction, during construction, and 1 year after operation	√
Ecology (Operation Phase)							
S10.7	E10	• Preconstruction dive survey for corals	Minimise impacts on marine ecology	Contractor	The marine pier sites nearest to intertidal zone and along the shore of the HKLR reclamation site	Prior to marine construction works in these locations	√
Fisheries							
S11.7	F2	• Reduce re-suspension of sediments • Limit dredging and works fronts. • Good site practices • Strict enforcement of no marine dumping. • 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); • 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: • Roadside planting and planting along the edge of the reclamation is proposed; • Transplanting of mature trees in good health and amenity value where appropriate and reinstatement of areas disturbed during construction by compensatory hydro-seeding and planting; • Protection measures for the trees to be retained during construction activities; • Optimizing the sizes and spacing of the bridge columns; • Fine-tuning the location of the bridge columns to avoid visually sensitive locations; • Aesthetic design of the bridge form and its structural elements for HKLR, e.g. parapet, soffit, columns, lightings and so on; • Considering the decorative urban design elements for HKLR, e.g. decorative road lightings; • Maximizing new tree, shrub and other vegetation planting to compensate tree felled and vegetation removed; • Providing planting area around peripheral of HKLR for tree planting screening effect;	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. • Providing salt-tolerant native trees along the planter strip at affected seawall and newly reclaimed coastline. • For HKLR, providing aesthetic design on the viaduct, tunnel portals, at-grade roads and	Minimise visual & landscape impact	Detailed designer	HKLR	Design Stage	

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 G1. Grass-hydroseed bare soil surface and stock pile areas. G2. Add planting strip and automatic irrigation system if appropriate at some portions of bridge or footbridge to screen bridge and traffic. G3. For HKLR, providing aesthetic design on the viaduct, tunnel portals, at-grade roads and reclamation (e.g. subtle colour tone and slim form for viaduct, featured form of tunnel portals, roadside planting along at-grade roads and landscape berm on & planting along edge of reclamation area) to beautify the HKLR alignment. G4. Vegetation reinstatement and upgrading to disturbed areas. G5. Maximize new tree, shrub and other vegetation planting to compensate tree felled and vegetation removed. G6. Provide planting area around peripheral of and within HKLR for tree screening buffer effect. G7. Plant salt tolerant native tree and shrubs etc along the planterstrip at affected seawall. G8. Reserve of loose natural granite rocks for re-use. Provide new coastline to adopt .natural-look. by means of using armour rocks in the form of natural rock materials and planting strip area accommodating screen buffer to enhance .natural-look. of the new coastline (see Figure 14.4.2 for example).	Minimise visual & landscape impact	Contractor	HKLR	Construction stage	√
S14.3.3.3	LV3	<u>Mitigate Visual Impacts</u> 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. 2) Prepare a systematic Environmental Management Plan to ensure effective implementation of the mitigation measures. 3) An environmental impact monitoring needs to be implementing by the Environmental Team to ensure all the requirements given in the EM&A Manual are fully complied with.	Perform environmental monitoring & auditing	Contractor	All construction sites	Construction stage	√

APPENDIX F

Site Audit Findings and Corrective Actions

Appendix F – Site Audit Findings and Corrective Actions

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 4, 11, 18 and 28 December 2012, 2, 10, 15, 22 and 29 January 2013, and 5, 14, 19, and 26 February 2013.

1.1.2 Particular observations during the site inspections are described below.

4 December 2012

(a) The contractor has provided the Environmental Permit at Kwo Lo Wan Road. (This observation was found on 30 November 2012.)

(b) No cover was provided for the excavated materials at West Portal. The Contractor should provide covers for excavated materials to prevent fugitive dust impact. (This observation was closed on 11 December 2012.)

(c) A large pool of stagnant water was found at WA03. The Contractor is reminded to remove the stagnant water (This observation was closed on 11 December 2012.)

11 December 2012

(a) The unpaved areas were found to be dry at West Portal. The Contractor should regularly spray water on the unpaved areas to prevent fugitive dust impact. (This observation was closed on 18 December 2012.)

(b) A chemical container was found to be without a drip tray of the vessel Kong Wai 8. The Contractor was reminded to provide a drip tray for the chemical container. (This observation was closed on 18 December 2012.)

(c) Oil stains was found next to the generators of the vessel Kong Wai 8. The Contractor was reminded to clear the oil stains. (This observation was closed on 18 December 2012.)

(d) Oil stains were found on the soil near the compressors at West Portal. The Contractor was reminded to remove the oil stains on the soil near the compressors. (This observation was closed on 18 December 2012.)

(e) A pool of stagnant water was found inside the metal beams at WA03. The Contractor was reminded to remove the stagnant water inside the metal beams. (This observation was closed on 18 December 2012.)

18 December 2012

(a) The boulder areas were found to be dry at WA04. The Contractor should regularly spray water on the boulder areas to prevent fugitive dust impact. (This observation was closed on 28 December 2012.)

(b) A chemical drum was found to be without a drip tray at West Portal. The Contractor was reminded to provide a drip tray for the chemical drum. (This observation was closed on 28 December 2012.)

(c) A chemical drum was found to be without a proper drip tray at Kwa Lo Wan Road. The Contractor was reminded to provide a proper drip tray for the chemical drum. (This observation was closed on 28 December 2012.)

(d) A pool of stagnant water was found inside the drainage of the sink area at WA04. The Contractor was reminded to remove the stagnant water inside the drainages. (This observation was closed on 28 December 2012.)

(e) The U-drainage was found to be without sandbags to prevent construction wastewater leaking into the storm drains at West Portal. The Contractor was

reminded to prevent construction wastewater from leaking into the storm drains. (This observation was closed on 28 December 2012.)

(f) Rubbish was found along the beach area at Portion X. The Contractor was reminded to remove rubbish along the beach area at Portion X. (This observation was closed on 28 December 2012.)

(g) Rubbish was found on the beach area of Portion Y. The Contractor was reminded to remove rubbish along the beach area at Portion Y. (This observation was closed on 28 December 2012.)

28 December 2012

(a) Environmental Permit and Construction Noise Permit were not displayed at the site entrance at West Portal. The contractor was reminded to display the Environmental Permit and Construction Noise Permit at the site entrance.

(b) Stagnant water was found inside the drip tray provided for the generator at West Portal. In addition, no cap was provided for the drain valve. The contractor was reminded to remove the stagnant water inside the drip tray and cap the drain valve.

(c) White smoke was emitted from the generator at West Portal. In The contractor was reminded to provide maintenance for the generator

(d) Materials were stored under a tree near the site entrance of West Portal. The contractor was reminded not to store materials under trees.

(e) The container was full of rubbish. The contractor was reminded to dispose of rubbish regularly.

2 January 2013

(a) Materials were stored under a tree near the site entrance of West Portal. The contractor removed the stockpiles. (This observation was found on 28 December 2012 and closed on 2 January 2013.)

(b) White smoke was emitted from the generator at West Portal. The contractor ordered filter papers for the generator to prevent white smoke. (This observation was found on 28 December 2012 and closed on 2 January 2013.)

(c) The container was full of rubbish at Stone Column. The contractor has removed the rubbish. (This observation was found on 28 December 2012 and closed on 2 January 2013.)

(d) Environmental Permit and Construction Noise Permit were not displayed at the site entrance at West Portal. The contractor has provided the Environmental Permit and Construction Noise Permit for display. (This observation was found on 28 December 2012 and closed on 2 January 2013.)

(e) The stagnant water was found inside the drip tray provided for the generator at West Portal. In addition, no cap was provided for the drain valve. The contractor was reminded to remove the stagnant water inside the drip tray and cap the drain valve. (This observation was found on 28 December 2012 and closed on 2 January 2013.)

(f) The rock piles were found to be without a cover at East Coast Road. The contractor was reminded to provide a impervious sheeting for the rock piles. (This observation was closed on 10 January 2013.)

(g) The unpaved road was found to be dry at Ko Lo Wan Road. The contractor should regularly spray water on the unpaved water. (This observation was closed on 10 January 2013.)

(h) Oil stains were found on the soil at West Portal. The contractor should remove the oil stains on the soil. (This observation was closed on 10 January 2013.)

(i) Large pools of stagnant water were found at WA03. The contractor should remove the stagnant water. (This observation was closed on 10 January 2013.)

(j) Stagnant water was found inside the cement gaps at Stone Column. The contractor should remove the stagnant water inside the cement gaps. (This observation was closed on 10 January 2013.)

10 January 2013

(a) The sand piles were found to be dry at Hoi Pok 8 vessel. The contractor should water the sand piles. (This observation was closed on 15 January 2013.)

(b) Black smoke was observed from the Yue Guang Chouhuo vessel. The contractor should ensure regular maintenance to the vessel. (This observation was closed on 15 January 2013.)

(c) Chemical containers were found to be without drip trays at West Portal. The contractor should provide drip trays for the chemical containers. (This observation was closed on 15 January 2013.)

(d) Stagnant water was found inside the drip tray at Stone Columns. The contractor should remove the stagnant water inside the drip tray. (This observation was closed on 15 January 2013.)

15 January 2013

(a) The chemical containers and generator were found to be without drip trays at Cheung Sheng 2011 vessel. The contractor should provide drip trays for the chemical containers and generator. (This observation was closed on 22 January 2013.)

(b) Stagnant water was found inside the drainage at WA04. The contractor should remove the stagnant water inside the drainage. (This observation was closed on 22 January 2013.)

(c) Chemical containers were found to be without drip trays at West Portal. The contractor should provide drip trays for the chemical containers. (This observation was closed on 22 January 2013.)

(d) Black smoke was observed from the generator at West Portal. The contactor should provide regular maintenance for the generator. (This observation was closed on 22 January 2013.)

22 January 2013

(a) Stagnant water was found inside the vessel Kong Wai 8. The contractor should remove the stagnant water inside the vessel. (This observation was closed on 29 January 2013.)

(b) A chemical barrel and chemical containers were found to be without drip trays on the vessel Kong Wai 8. The contractor should provide drip trays for the chemical barrel and chemical containers. (This observation was closed on 29 January 2013.)

(c) Stagnant water was found inside the drip tray for the generator at vessel Kong Wai 8. The contractor should remove the stagnant water inside the drip tray. (This observation was closed on 29 January 2013.)

(d) Black smoke was observed from the excavator at WA03. The contractor should provide regular maintenance for the excavator. (This observation was closed on 29 January 2013.)

(e) The sand piles were found to be dry at WA03 and WA04. The contractor should spray the sand piles with water regularly. (This observation was closed on 29 January 2013.)

(f) The unpaved road was found to be dry at WA03. The contactor should cover the drainage next to the unpaved road. (This observation was closed on 29 January 2013.)

29 January 2013

(a) The drain hole of the drip tray at Portion Y was not blocked. The contractor should provide a cap for the drain hole.

(b) Waste was accumulated in the waste skip at Portion Y. The contractor was reminded to dispose of waste regularly.

(c) The wheels of vehicles at Kwo Lo Wan Road were not cleaned properly before leaving the site. The contractor was reminded to clean the wheels of vehicles before leaving the site.

(d) The drip tray provided for the container at Portion Y is too small. The contractor was reminded to provide an appropriate drip tray for the container.

(e) No Noise Emission Label was provided for an air compressor at West Portal. The contractor was reminded to provide a noise emission label for air compressors.

(f) The construction area at West Portal was dry. The contractor was reminded to provide water spraying for the construction sites.

5 February 2013

(a) The drain hole of the drip tray at Portion Y was not blocked. The contractor plugged the generator drip tray drain hole at Portion Y. (This observation was found on 29 January 2013 and closed on 5 February 2013.)

(b) Waste was accumulated in the waste skip at Portion Y. The contractor cleared the waste in the skip at Portion Y. (This observation was found on 29 January 2013 and closed on 5 February 2013.)

(c) The wheels of vehicles at Kwo Lo Wan Road were not cleaned properly before leaving the site. The contractor washes vehicles' wheels before they leave the site. (This observation was found on 29 January 2013 and closed on 5 February 2013.)

(d) The drip tray provided for the container at Portion Y was too small. The contractor removed the small drip tray and replaced with a bigger the drip tray at Portion Y. (This observation was found on 29 January 2013 and closed on 5 February 2013.)

(e) No Noise Emission Label was provided for an air compressor at West Portal. The contractor provided the noise emission label for air compressors for display at West Portal. (This observation was found on 29 January 2013 and closed on 5 February 2013.)

(f) The construction area at West Portal was dry. The contractor implemented the dust control measures at West Portal. (This observation was found on 29 January 2013 and closed on 5 February 2013.)

(g) Stagnant water was found inside drainage at WA04. The contractor removed stagnant water inside the drainage. (This observation was closed on 14 February 2013.)

(h) A chemical container was found to be without drip tray at Stone Column. The contractor provided a drip tray for the chemical container. (This observation was closed on 14 February 2013.)

(i) A chemical container was found to be without a drip tray at Kwo Lo Wan Road. The contractor provided a drip tray for the chemical container. (This observation was closed on 14 February 2013.)

(j) Chemical containers near the site offices were found to be without drip tray at Kwo Lo Wan Road. The contractor provided drip trays for the chemical containers. (This observation was closed on 14 February 2013.)

14 February 2013

(a) Chemical containers were found without drip tray at WA03. The contractor provided drip trays for the chemical containers. (This observation was closed on 19 February 2013.)

19 February 2013

(a) The chemical container was found to be without drip tray at Stone Column. The contractor provided a drip tray for the chemical container. (This observation was closed on 26 February 2013.)

(b) The stockpiles were found to be without a cover at Kwo Lo Wan Road. The contractor provided impervious sheeting for the stockpiles. (This observation was closed on 26 February 2013.)

(c) The unpaved roads were found to be dry at West Portal. The contractor sprayed water on the unpaved roads regularly. (This observation was closed on 26 February 2013.)

26 February 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 was recommended to provide high pressure water jet and sedimentation tank at WA4.

1.1.3 The Contractor has rectified all the observations (except the observation recorded on 26 February 2013) as identified during environmental site inspections during the reporting period. Follow-up actions for outstanding observation on 26 February 2013 will be inspected during the next site inspections.

APPENDIX G

Air Quality Monitoring Data and Graphical Plots

Air Quality Monitoring Data

Project	Works	Date (yyyy-mm-dd)	Station	Time	Parameter	Results	Unit
HKLR	HY/2011/03	2012-11-05	AMS5	13:30	1-hr TSP	233	ug/m3
HKLR	HY/2011/03	2012-11-05	AMS5	14:30	1-hr TSP	252	ug/m3
HKLR	HY/2011/03	2012-11-05	AMS5	15:30	1-hr TSP	296	ug/m3
HKLR	HY/2011/03	2012-11-09	AMS5	13:30	1-hr TSP	85	ug/m3
HKLR	HY/2011/03	2012-11-09	AMS5	14:30	1-hr TSP	62	ug/m3
HKLR	HY/2011/03	2012-11-09	AMS5	15:30	1-hr TSP	68	ug/m3
HKLR	HY/2011/03	2012-11-15	AMS5	13:00	1-hr TSP	87	ug/m3
HKLR	HY/2011/03	2012-11-15	AMS5	14:00	1-hr TSP	102	ug/m3
HKLR	HY/2011/03	2012-11-15	AMS5	15:00	1-hr TSP	105	ug/m3
HKLR	HY/2011/03	2012-11-21	AMS5	09:00	1-hr TSP	147	ug/m3
HKLR	HY/2011/03	2012-11-21	AMS5	10:00	1-hr TSP	127	ug/m3
HKLR	HY/2011/03	2012-11-21	AMS5	11:00	1-hr TSP	139	ug/m3
HKLR	HY/2011/03	2012-11-27	AMS5	13:30	1-hr TSP	90	ug/m3
HKLR	HY/2011/03	2012-11-27	AMS5	14:30	1-hr TSP	124	ug/m3
HKLR	HY/2011/03	2012-11-27	AMS5	15:30	1-hr TSP	86	ug/m3
HKLR	HY/2011/03	2012-12-03	AMS5	09:00	1-hr TSP	46	ug/m3
HKLR	HY/2011/03	2012-12-03	AMS5	10:00	1-hr TSP	44	ug/m3
HKLR	HY/2011/03	2012-12-03	AMS5	11:00	1-hr TSP	48	ug/m3
HKLR	HY/2011/03	2012-12-07	AMS5	09:30	1-hr TSP	146	ug/m3
HKLR	HY/2011/03	2012-12-07	AMS5	10:30	1-hr TSP	159	ug/m3
HKLR	HY/2011/03	2012-12-07	AMS5	11:30	1-hr TSP	157	ug/m3
HKLR	HY/2011/03	2012-12-13	AMS5	13:00	1-hr TSP	30	ug/m3
HKLR	HY/2011/03	2012-12-13	AMS5	14:00	1-hr TSP	33	ug/m3
HKLR	HY/2011/03	2012-12-13	AMS5	15:00	1-hr TSP	34	ug/m3
HKLR	HY/2011/03	2012-12-19	AMS5	09:10	1-hr TSP	52	ug/m3
HKLR	HY/2011/03	2012-12-19	AMS5	10:10	1-hr TSP	58	ug/m3
HKLR	HY/2011/03	2012-12-19	AMS5	11:10	1-hr TSP	65	ug/m3
HKLR	HY/2011/03	2012-12-24	AMS5	09:10	1-hr TSP	261	ug/m3
HKLR	HY/2011/03	2012-12-24	AMS5	10:10	1-hr TSP	267	ug/m3
HKLR	HY/2011/03	2012-12-24	AMS5	11:10	1-hr TSP	261	ug/m3
HKLR	HY/2011/03	2012-12-28	AMS5	10:30	1-hr TSP	55	ug/m3
HKLR	HY/2011/03	2012-12-28	AMS5	11:30	1-hr TSP	43	ug/m3
HKLR	HY/2011/03	2012-12-28	AMS5	12:30	1-hr TSP	27	ug/m3
HKLR	HY/2011/03	2013-01-03	AMS5	08:55	1-hr TSP	76	ug/m3
HKLR	HY/2011/03	2013-01-03	AMS5	09:55	1-hr TSP	74	ug/m3
HKLR	HY/2011/03	2013-01-03	AMS5	10:55	1-hr TSP	68	ug/m3
HKLR	HY/2011/03	2013-01-09	AMS5	13:10	1-hr TSP	114	ug/m3
HKLR	HY/2011/03	2013-01-09	AMS5	14:10	1-hr TSP	127	ug/m3
HKLR	HY/2011/03	2013-01-09	AMS5	15:10	1-hr TSP	118	ug/m3
HKLR	HY/2011/03	2013-01-15	AMS5	08:20	1-hr TSP	39	ug/m3
HKLR	HY/2011/03	2013-01-15	AMS5	09:20	1-hr TSP	46	ug/m3
HKLR	HY/2011/03	2013-01-15	AMS5	10:20	1-hr TSP	56	ug/m3
HKLR	HY/2011/03	2013-01-21	AMS5	13:25	1-hr TSP	26	ug/m3
HKLR	HY/2011/03	2013-01-21	AMS5	14:25	1-hr TSP	85	ug/m3
HKLR	HY/2011/03	2013-01-21	AMS5	15:25	1-hr TSP	127	ug/m3
HKLR	HY/2011/03	2013-01-25	AMS5	09:26	1-hr TSP	45	ug/m3
HKLR	HY/2011/03	2013-01-25	AMS5	10:26	1-hr TSP	48	ug/m3
HKLR	HY/2011/03	2013-01-25	AMS5	11:26	1-hr TSP	61	ug/m3
HKLR	HY/2011/03	2013-01-31	AMS5	14:30	1-hr TSP	54	ug/m3
HKLR	HY/2011/03	2013-01-31	AMS5	15:30	1-hr TSP	55	ug/m3
HKLR	HY/2011/03	2013-01-31	AMS5	16:30	1-hr TSP	54	ug/m3
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

Air Quality Monitoring Data

Project	Works	Date (yyyy-mm-dd)	Station	Time	Parameter	Results	Unit
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	2012-11-02	AMS5	08:00	24-hr TSP	94	ug/m3
HKLR	HY/2011/03	2012-11-08	AMS5	08:00	24-hr TSP	127	ug/m3
HKLR	HY/2011/03	2012-11-14	AMS5	08:00	24-hr TSP	104	ug/m3
HKLR	HY/2011/03	2012-11-20	AMS5	08:00	24-hr TSP	65	ug/m3
HKLR	HY/2011/03	2012-11-26	AMS5	08:00	24-hr TSP	113	ug/m3
HKLR	HY/2011/03	2012-11-30	AMS5	08:00	24-hr TSP	36	ug/m3
HKLR	HY/2011/03	2012-12-06	AMS5	08:00	24-hr TSP	63	ug/m3
HKLR	HY/2011/03	2012-12-12	AMS5	08:00	24-hr TSP	74	ug/m3
HKLR	HY/2011/03	2012-12-18	AMS5	08:00	24-hr TSP	52	ug/m3
HKLR	HY/2011/03	2012-12-21	AMS5	08:00	24-hr TSP	102	ug/m3
HKLR	HY/2011/03	2012-12-27	AMS5	08:00	24-hr TSP	161	ug/m3
HKLR	HY/2011/03	2013-01-02	AMS5	08:00	24-hr TSP	128	ug/m3
HKLR	HY/2011/03	2013-01-08	AMS5	08:00	24-hr TSP	126	ug/m3
HKLR	HY/2011/03	2013-01-14	AMS5	08:00	24-hr TSP	91	ug/m3
HKLR	HY/2011/03	2013-01-18	AMS5	08:00	24-hr TSP	107	ug/m3
HKLR	HY/2011/03	2013-01-24	AMS5	08:00	24-hr TSP	120	ug/m3
HKLR	HY/2011/03	2013-01-30	AMS5	08:00	24-hr TSP	68	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	2012-11-02	AMS6	13:00	1-hr TSP	210	ug/m3
HKLR	HY/2011/03	2012-11-02	AMS6	14:00	1-hr TSP	221	ug/m3
HKLR	HY/2011/03	2012-11-02	AMS6	15:00	1-hr TSP	242	ug/m3
HKLR	HY/2011/03	2012-11-05	AMS6	09:00	1-hr TSP	234	ug/m3
HKLR	HY/2011/03	2012-11-05	AMS6	10:00	1-hr TSP	218	ug/m3
HKLR	HY/2011/03	2012-11-05	AMS6	11:00	1-hr TSP	209	ug/m3
HKLR	HY/2011/03	2012-11-09	AMS6	09:00	1-hr TSP	38	ug/m3
HKLR	HY/2011/03	2012-11-09	AMS6	10:00	1-hr TSP	63	ug/m3
HKLR	HY/2011/03	2012-11-09	AMS6	11:00	1-hr TSP	74	ug/m3
HKLR	HY/2011/03	2012-11-15	AMS6	08:50	1-hr TSP	62	ug/m3
HKLR	HY/2011/03	2012-11-15	AMS6	09:50	1-hr TSP	72	ug/m3
HKLR	HY/2011/03	2012-11-15	AMS6	10:50	1-hr TSP	78	ug/m3
HKLR	HY/2011/03	2012-11-21	AMS6	13:24	1-hr TSP	79	ug/m3
HKLR	HY/2011/03	2012-11-21	AMS6	14:24	1-hr TSP	94	ug/m3
HKLR	HY/2011/03	2012-11-21	AMS6	15:24	1-hr TSP	67	ug/m3
HKLR	HY/2011/03	2012-11-27	AMS6	09:00	1-hr TSP	21	ug/m3
HKLR	HY/2011/03	2012-11-27	AMS6	10:00	1-hr TSP	37	ug/m3
HKLR	HY/2011/03	2012-11-27	AMS6	11:00	1-hr TSP	41	ug/m3
HKLR	HY/2011/03	2012-12-03	AMS6	13:00	1-hr TSP	29	ug/m3
HKLR	HY/2011/03	2012-12-03	AMS6	14:00	1-hr TSP	44	ug/m3
HKLR	HY/2011/03	2012-12-03	AMS6	15:00	1-hr TSP	56	ug/m3
HKLR	HY/2011/03	2012-12-07	AMS6	13:30	1-hr TSP	57	ug/m3
HKLR	HY/2011/03	2012-12-07	AMS6	14:30	1-hr TSP	53	ug/m3
HKLR	HY/2011/03	2012-12-07	AMS6	15:30	1-hr TSP	62	ug/m3
HKLR	HY/2011/03	2012-12-13	AMS6	09:15	1-hr TSP	42	ug/m3
HKLR	HY/2011/03	2012-12-13	AMS6	10:15	1-hr TSP	39	ug/m3

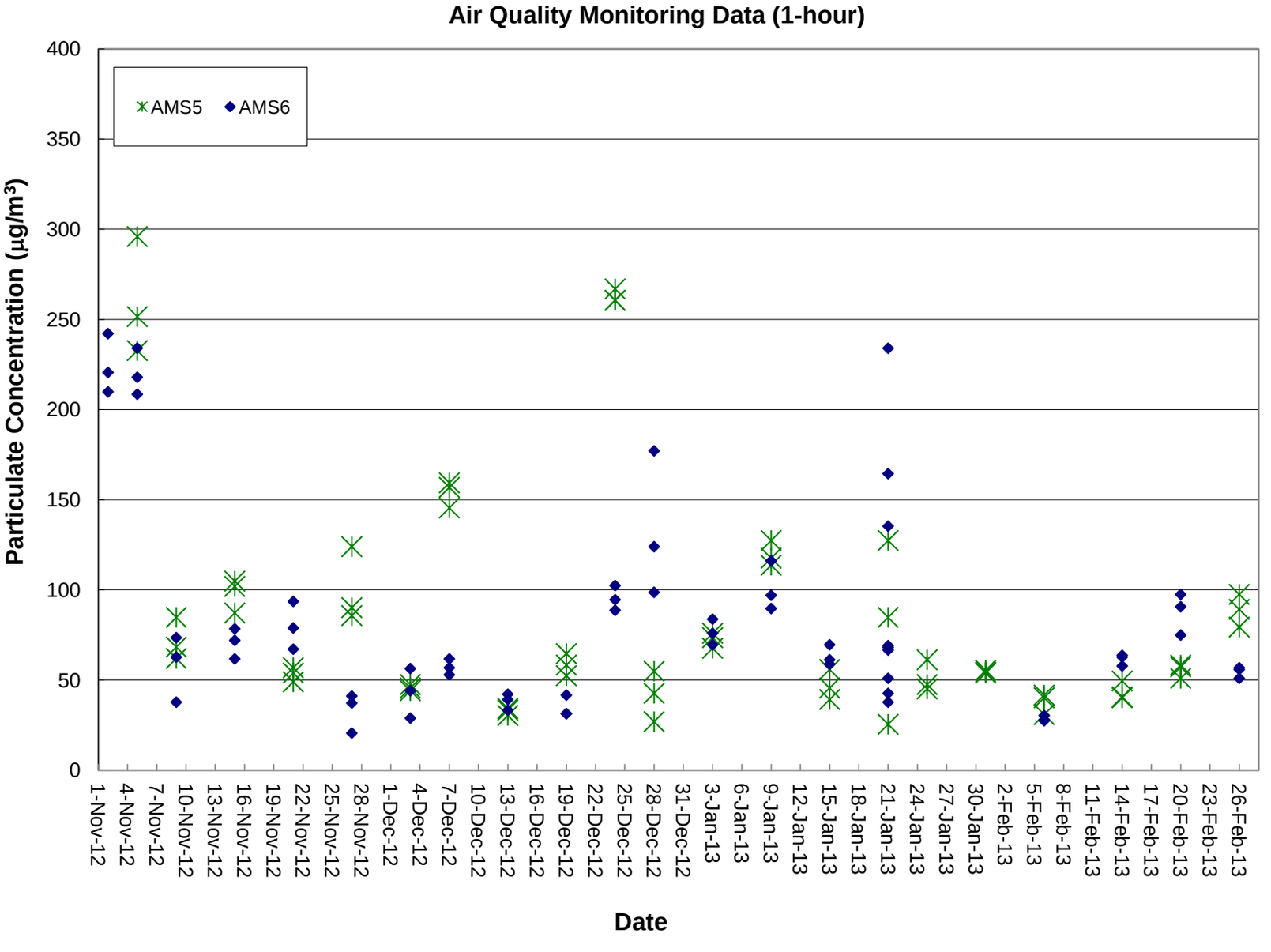
Air Quality Monitoring Data

Project	Works	Date (yyyy-mm-dd)	Station	Time	Parameter	Results	Unit
HKLR	HY/2011/03	2012-12-13	AMS6	11:15	1-hr TSP	33	ug/m3
HKLR	HY/2011/03	2012-12-19	AMS6	13:30	1-hr TSP	31	ug/m3
HKLR	HY/2011/03	2012-12-19	AMS6	14:30	1-hr TSP	31	ug/m3
HKLR	HY/2011/03	2012-12-19	AMS6	15:30	1-hr TSP	42	ug/m3
HKLR	HY/2011/03	2012-12-24	AMS6	08:30	1-hr TSP	102	ug/m3
HKLR	HY/2011/03	2012-12-24	AMS6	09:30	1-hr TSP	95	ug/m3
HKLR	HY/2011/03	2012-12-24	AMS6	10:30	1-hr TSP	89	ug/m3
HKLR	HY/2011/03	2012-12-28	AMS6	09:55	1-hr TSP	124	ug/m3
HKLR	HY/2011/03	2012-12-28	AMS6	10:55	1-hr TSP	99	ug/m3
HKLR	HY/2011/03	2012-12-28	AMS6	11:55	1-hr TSP	177	ug/m3
HKLR	HY/2011/03	2013-01-03	AMS6	13:00	1-hr TSP	70	ug/m3
HKLR	HY/2011/03	2013-01-03	AMS6	14:00	1-hr TSP	76	ug/m3
HKLR	HY/2011/03	2013-01-03	AMS6	15:00	1-hr TSP	84	ug/m3
HKLR	HY/2011/03	2013-01-09	AMS6	09:00	1-hr TSP	116	ug/m3
HKLR	HY/2011/03	2013-01-09	AMS6	10:00	1-hr TSP	97	ug/m3
HKLR	HY/2011/03	2013-01-09	AMS6	11:00	1-hr TSP	90	ug/m3
HKLR	HY/2011/03	2013-01-15	AMS6	13:00	1-hr TSP	61	ug/m3
HKLR	HY/2011/03	2013-01-15	AMS6	14:00	1-hr TSP	59	ug/m3
HKLR	HY/2011/03	2013-01-15	AMS6	15:00	1-hr TSP	70	ug/m3
HKLR	HY/2011/03	2013-01-21	AMS6	09:00	1-hr TSP	51	ug/m3
HKLR	HY/2011/03	2013-01-21	AMS6	10:00	1-hr TSP	43	ug/m3
HKLR	HY/2011/03	2013-01-21	AMS6	11:00	1-hr TSP	38	ug/m3
HKLR	HY/2011/03	2013-01-25	AMS6	10:32	1-hr TSP	135	ug/m3
HKLR	HY/2011/03	2013-01-25	AMS6	11:32	1-hr TSP	165	ug/m3
HKLR	HY/2011/03	2013-01-25	AMS6	12:32	1-hr TSP	234	ug/m3
HKLR	HY/2011/03	2013-01-31	AMS6	10:35	1-hr TSP	69	ug/m3
HKLR	HY/2011/03	2013-01-31	AMS6	11:35	1-hr TSP	68	ug/m3
HKLR	HY/2011/03	2013-01-31	AMS6	12:35	1-hr TSP	67	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	2012-11-21	AMS6	16:23	24-hr TSP	21	ug/m3
HKLR	HY/2011/03	2012-11-26	AMS6	08:00	24-hr TSP	25	ug/m3
HKLR	HY/2011/03	2012-11-30	AMS6	08:00	24-hr TSP	48	ug/m3
HKLR	HY/2011/03	2012-12-06	AMS6	08:00	24-hr TSP	100	ug/m3
HKLR	HY/2011/03	2012-12-12	AMS6	08:00	24-hr TSP	60	ug/m3
HKLR	HY/2011/03	2012-12-18	AMS6	08:00	24-hr TSP	42	ug/m3
HKLR	HY/2011/03	2012-12-21	AMS6	08:00	24-hr TSP	92	ug/m3
HKLR	HY/2011/03	2012-12-27	AMS6	08:00	24-hr TSP	125	ug/m3
HKLR	HY/2011/03	2013-01-02	AMS6	08:00	24-hr TSP	49	ug/m3
HKLR	HY/2011/03	2013-01-08	AMS6	08:00	24-hr TSP	155	ug/m3
HKLR	HY/2011/03	2013-01-14	AMS6	08:00	24-hr TSP	118	ug/m3
HKLR	HY/2011/03	2013-01-18	AMS6	08:00	24-hr TSP	112	ug/m3
HKLR	HY/2011/03	2013-01-24	AMS6	08:00	24-hr TSP	170	ug/m3
HKLR	HY/2011/03	2013-01-30	AMS6	08:00	24-hr TSP	76	ug/m3
HKLR	HY/2011/03	2013-02-06	AMS6	16:42	24-hr TSP	17	ug/m3

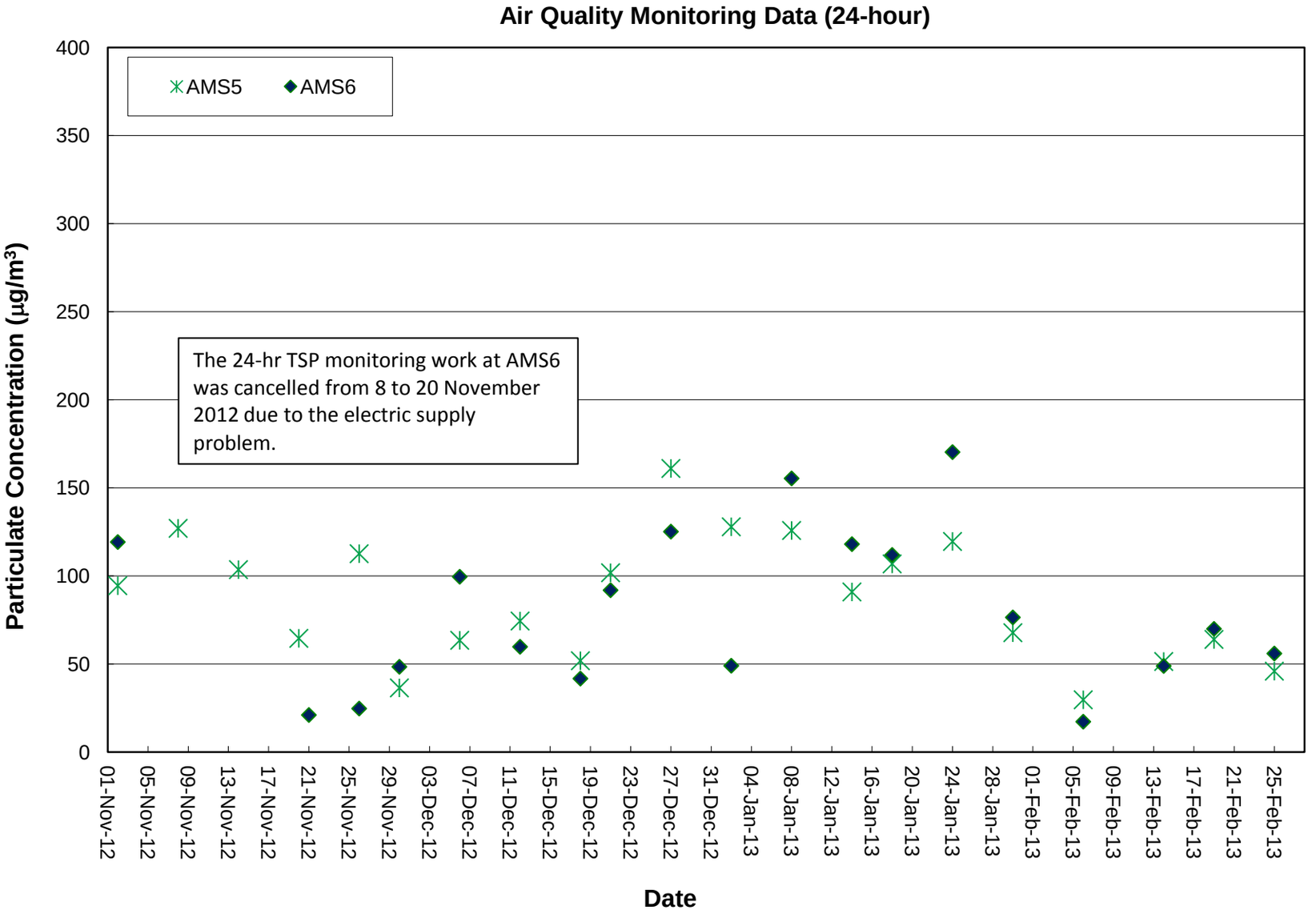
Air Quality Monitoring Data

Project	Works	Date (yyyy-mm-dd)	Station	Time	Parameter	Results	Unit
HKLR	HY/2011/03	2013-02-14	AMS6	13:00	24-hr TSP	49	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

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

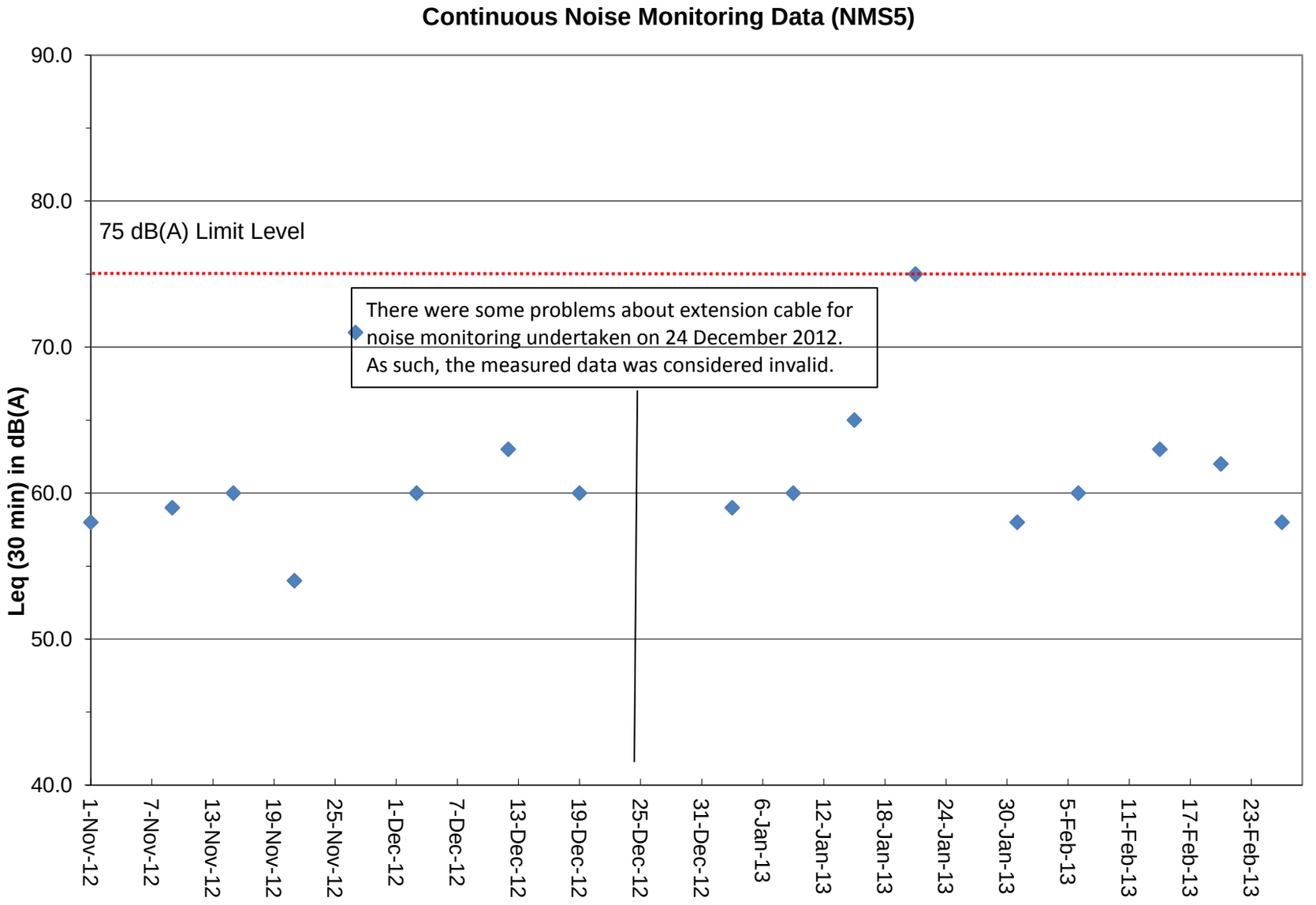
Noise Monitoring Result of NMS5 from November 2012 to February 2013

Project	Works	Date (yyyy-mm-dd)	Station	Time	Parameter	Results*	Unit
HKLR	HY/2011/03	2012-11-01	NMS5	13:35	L eq 30 min	58	dB(A)
HKLR	HY/2011/03	2012-11-09	NMS5	13:50	L eq 30 min	59	dB(A)
HKLR	HY/2011/03	2012-11-15	NMS5	13:30	L eq 30 min	60	dB(A)
HKLR	HY/2011/03	2012-11-21	NMS5	9:15	L eq 30 min	54	dB(A)
HKLR	HY/2011/03	2012-11-27	NMS5	15:30	L eq 30 min	71	dB(A)
HKLR	HY/2011/03	2012-12-03	NMS5	9:30	L eq 30 min	60	dB(A)
HKLR	HY/2011/03	2012-12-12	NMS5	13:30	L eq 30 min	63	dB(A)
HKLR	HY/2011/03	2012-12-19	NMS5	9:15	L eq 30 min	60	dB(A)
HKLR	HY/2011/03	2012-12-24	NMS5	9:10	L eq 30 min	**	dB(A)
HKLR	HY/2011/03	2013-01-03	NMS5	9:05	L eq 30 min	59	dB(A)
HKLR	HY/2011/03	2013-01-09	NMS5	13:40	L eq 30 min	60	dB(A)
HKLR	HY/2011/03	2013-01-15	NMS5	15:25	L eq 30 min	65	dB(A)
HKLR	HY/2011/03	2013-01-21	NMS5	13:40	L eq 30 min	75	dB(A)
HKLR	HY/2011/03	2013-01-31	NMS5	9:31	L eq 30 min	58	dB(A)
HKLR	HY/2011/03	2013-02-06	NMS5	9:41	L eq 30 min	60	dB(A)
HKLR	HY/2011/03	2013-02-14	NMS5	13:30	L eq 30 min	63	dB(A)
HKLR	HY/2011/03	2013-02-20	NMS5	9:40	L eq 30 min	62	dB(A)
HKLR	HY/2011/03	2013-02-26	NMS5	9:35	L eq 30 min	58	dB(A)

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

** There were some problems about extension cable for noise monitoring undertaken on 24 December 2012. As such, the measured data was considered invalid

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	2012-12-01	Mid-Ebb	Cloudy	IS5	16:42:29	1.0	Surface	1	1	22.25	8.22	30.85		6.65	11.1	11.1	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS5	16:43:19	1.0	Surface	1	2	22.24	8.22	30.85		6.60	11.2	11.2	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS5	16:44:33	4.8	Middle	2	1	22.18	8.23	30.88		6.53	12.2	12.2	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS5	16:45:05	4.8	Middle	2	2	22.2	8.23	30.87		6.53	12.0	12.0	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS5	16:46:40	8.5	Bottom	3	1	22.15	8.22	30.94		6.48	12.9	12.9	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS5	16:47:24	8.5	Bottom	3	2	22.15	8.22	30.94		6.46	12.6	12.6	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS(Mf)6	16:34:19	1.0	Surface	1	1	22.44	8.22	31.01		6.81	23.3	23.3	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS(Mf)6	16:35:03	1.0	Surface	1	2	22.44	8.22	31.03		6.77	23.0	23.0	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS(Mf)6	--		Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS(Mf)6	--		Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS(Mf)6	16:36:15	2.0	Bottom	3	1	22.45	8.23	31.03		6.78	29.2	29.2	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS(Mf)6	16:36:40	2.0	Bottom	3	2	22.45	8.23	31.03		6.78	28.8	28.8	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS7	16:27:34	1.0	Surface	1	1	22.4	8.23	30.95		6.84	10.6	10.6	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS7	16:28:13	1.0	Surface	1	2	22.4	8.23	30.95		6.82	10.6	10.6	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS7	--		Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS7	--		Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS7	16:28:45	2.2	Bottom	3	1	22.4	8.23	30.95		6.80	11.6	11.6	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS7	16:29:14	2.2	Bottom	3	2	22.4	8.23	30.95		6.79	12.1	12.1	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS8	16:12:42	1.0	Surface	1	1	22.35	8.23	30.74		6.82	8.5	8.5	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS8	16:13:20	1.0	Surface	1	2	22.34	8.23	30.74		6.79	8.6	8.6	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS8	--		Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS8	--		Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS8	16:14:08	3.1	Bottom	3	1	22.32	8.23	30.95		6.67	10.4	10.4	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS8	16:14:36	3.1	Bottom	3	2	22.24	8.23	31.03		6.63	11.3	11.3	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS(Mf)9	16:20:10	1.0	Surface	1	1	22.19	8.22	30.69		6.70	11.3	11.3	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS(Mf)9	16:20:39	1.0	Surface	1	2	22.2	8.22	30.69		6.70	10.7	10.7	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS(Mf)9	--		Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS(Mf)9	--		Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS(Mf)9	16:21:14	2.6	Bottom	3	1	22.2	8.22	30.75		6.64	12.0	12.0	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS(Mf)9	16:21:50	2.6	Bottom	3	2	22.2	8.22	30.75		6.65	12.0	12.0	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS10	18:54:32	1.0	Surface	1	1	22.31	8.18	29.34		6.63	9.5	9.5	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS10	18:55:11	1.0	Surface	1	2	22.3	8.18	29.37		6.59	8.4	8.4	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS10	18:56:08	5.9	Middle	2	1	22.08	8.2	30.39		6.51	12.6	12.6	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS10	18:57:01	5.9	Middle	2	2	22.15	8.2	30.10		6.55	12.8	12.8	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS10	18:59:23	10.9	Bottom	3	1	22.12	8.2	30.34		6.53	13.5	13.5	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	IS10	18:59:54	10.9	Bottom	3	2	22.12	8.2	30.31		6.52	14.6	14.6	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR3	--		Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR3	--		Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR3	16:53:21	0.7	Middle	2	1	22.38	8.23	30.92		6.67	14.3	14.3	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR3	16:53:50	0.7	Middle	2	2	22.38	8.23	30.92		6.66	14.2	14.2	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR3	--		Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR3	--		Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR4	16:06:05	1.0	Surface	1	1	22.74	8.21	30.63		6.73	9.9	9.9	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR4	16:06:33	1.0	Surface	1	2	22.75	8.21	30.62		6.72	9.5	9.5	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR4	--		Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR4	--		Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR4	16:08:00	2.5	Bottom	3	1	22.73	8.21	30.63		6.70	9.6	9.6	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR4	16:08:23	2.5	Bottom	3	2	22.7	8.21	30.63		6.68	9.7	9.7	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR5	18:34:45	1.0	Surface	1	1	22.4	8.16	28.70		6.85	7.0	7.0	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR5	18:35:13	1.0	Surface	1	2	22.41	8.16	28.75		6.66	6.9	6.9	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR5	18:36:03	3.1	Middle	2	1	22.43	8.17	28.91		6.60	7.4	7.4	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR5	18:36:43	3.1	Middle	2	2	22.43	8.17	28.90		6.60	7.4	7.4	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR5	18:37:11	5.1	Bottom	3	1	22.43	8.17	28.92		6.57	7.8	7.8	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR5	18:37:45	5.1	Bottom	3	2	22.43	8.17	28.91		6.58	7.8	7.8	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR10A	15:19:08	1.0	Surface	1	1	22.58	8.16	31.92		6.27	5.6	5.6	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR10A	15:19:51	1.0	Surface	1	2	22.57	8.18	31.91		6.22	6.2	6.2	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR10A	15:20:17	5.2	Middle	2	1	22.55	8.2	31.93		6.17	6.3	6.3	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR10A	15:20:36	5.2	Middle	2	2	22.55	8.21	31.92		6.15	6.5	6.5	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR10A	15:21:31	9.4	Bottom	3	1	22.53	8.22	31.93		6.15	6.5	6.5	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR10A	15:21:54	9.4	Bottom	3	2	22.53	8.22	31.93		6.15	6.9	6.9	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR10B	15:29:06	1.0	Surface	1	1	22.57	8.22	31.92		6.29	6.9	6.9	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR10B	15:29:29	1.0	Surface	1	2	22.56	8.23	31.90		6.26	7.1	7.1	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR10B	15:30:16	3.7	Middle	2	1	22.56	8.23	31.91		6.23	6.9	6.9	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR10B	15:30:37	3.7	Middle	2	2	22.57	8.23	31.92		6.22	7.3	7.3	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR10B	15:31:05	6.4	Bottom	3	1	22.57	8.23	31.93		6.20	7.4	7.4	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	SR10B	15:31:44	6.4	Bottom	3	2	22.57	8.23	31.93		6.19	7.6	7.6	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	CS2	17:37:21	1.0	Surface	1	1	22.37	8.17	28.69		6.60	7.6	7.6	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	CS2	17:37:49	1.0	Surface	1	2	22.38	8.17	28.64		6.58	7.6	7.6	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	CS2	17:38:20	3.7	Middle	2	1	22.18	8.21	30.29		6.51	8.3	8.3	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	CS2	17:38:45	3.7	Middle	2	2	22.19	8.22	30.22		6.52	8.3	8.3	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	CS2	17:40:35	6.4	Bottom	3	1	22.11	8.24	30.98		6.48	12.2	12.2	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	CS2	17:41:16	6.4	Bottom	3	2	22.12	8.24	30.98		6.48	12.1	12.1	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	CS(Mf)5	15:49:17	1.0	Surface	1	1	22.41	8.22	31.10		6.54	8.4	8.4	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	CS(Mf)5	15:49:56	1.0	Surface	1	2	22.42	8.23	31.10		6.52	8.4	8.4	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	CS(Mf)5	15:51:45	6.7	Middle	2	1	22.28	8.22	31.53		6.19	9.1	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	2012-12-01	Mid-Ebb	Cloudy	CS(Mf)5	15:52:28	6.7	Middle	2	2	22.28	8.22	31.53		6.18	9.5	9.5	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	CS(Mf)5	15:53:39	12.3	Bottom	3	1	22.37	8.22	31.79		6.08	14.0	14.0	
HKLR	HY/2011/03	2012-12-01	Mid-Ebb	Cloudy	CS(Mf)5	15:54:10	12.3	Bottom	3	2	22.37	8.22	31.79		6.06	16.2	16.2	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS5	09:33:03	1.0	Surface	1	1	21.83	8.23	30.96		6.63	12.0	12.0	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS5	09:33:44	1.0	Surface	1	2	21.84	8.23	30.96		6.58	12.1	12.1	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS5	09:34:34	4.8	Middle	2	1	21.84	8.23	30.98		6.52	12.4	12.4	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS5	09:35:22	4.8	Middle	2	2	21.88	8.23	30.98		6.52	12.1	12.1	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS5	09:35:50	8.5	Bottom	3	1	21.85	8.23	30.96		6.50	12.0	12.0	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS5	09:36:28	8.5	Bottom	3	2	21.83	8.23	30.96		6.50	12.8	12.8	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS(Mf)6	09:25:36	1.0	Surface	1	1	21.83	8.23	30.93		6.59	37.9	37.9	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS(Mf)6	09:26:19	1.0	Surface	1	2	21.82	8.23	30.93		6.59	36.0	36.0	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS(Mf)6	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS(Mf)6	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS(Mf)6	09:26:46	2.0	Bottom	3	1	21.82	8.23	30.93		6.58	33.5	33.5	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS(Mf)6	09:27:16	2.0	Bottom	3	2	21.81	8.23	30.93		6.58	31.0	31.0	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS7	09:11:57	1.0	Surface	1	1	21.84	8.22	30.79		6.59	24.0	24.0	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS7	09:12:54	1.0	Surface	1	2	21.83	8.22	30.78		6.58	24.1	24.1	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS7	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS7	09:16:37	2.1	Bottom	3	1	21.82	8.22	30.84		6.57	27.8	27.8	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS7	09:17:04	2.1	Bottom	3	2	21.82	8.22	30.85		6.57	27.2	27.2	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS8	08:56:40	1.0	Surface	1	1	21.86	8.22	30.44		6.62	11.0	11.0	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS8	08:57:23	1.0	Surface	1	2	21.86	8.22	30.43		6.56	11.9	11.9	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS8	08:58:02	2.8	Bottom	3	1	21.87	8.22	30.47		6.52	14.5	14.5	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS8	08:58:30	2.8	Bottom	3	2	21.86	8.22	30.49		6.52	13.7	13.7	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS(Mf)9	09:04:30	1.0	Surface	1	1	21.89	8.22	30.40		6.61	13.9	13.9	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS(Mf)9	09:05:10	1.0	Surface	1	2	21.89	8.22	30.41		6.58	13.7	13.7	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS(Mf)9	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS(Mf)9	09:05:49	2.6	Bottom	3	1	21.89	8.22	30.43		6.56	14.2	14.2	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS(Mf)9	09:06:21	2.6	Bottom	3	2	21.89	8.22	30.43		6.55	14.3	14.3	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS10	12:35:16	1.0	Surface	1	1	22.07	8.19	30.51		6.71	16.1	16.1	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS10	12:35:55	1.0	Surface	1	2	22.09	8.19	30.49		6.65	15.4	15.4	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS10	12:36:55	5.9	Middle	2	1	22.05	8.2	30.53		6.56	16.1	16.1	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS10	12:39:13	5.9	Middle	2	2	22.12	8.2	30.53		6.54	15.1	15.1	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS10	12:43:20	10.8	Bottom	3	1	21.92	8.2	30.65		6.44	31.1	31.1	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	IS10	12:44:22	10.8	Bottom	3	2	21.94	8.2	30.63		6.44	27.6	27.6	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR3	09:44:49	0.7	Middle	2	1	21.9	8.23	30.98		6.58	12.1	12.1	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR3	09:45:30	0.7	Middle	2	2	21.9	8.23	30.98		6.56	12.8	12.8	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR4	08:50:09	1.0	Surface	1	1	21.85	8.22	30.33		6.59	14.1	14.1	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR4	08:50:48	1.0	Surface	1	2	21.85	8.22	30.33		6.58	14.2	14.2	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR4	08:51:24	2.6	Bottom	3	1	21.86	8.22	30.32		6.56	14.1	14.1	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR4	08:51:50	2.6	Bottom	3	2	21.86	8.22	30.33		6.55	14.3	14.3	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR5	12:55:09	1.0	Surface	1	1	22.12	8.21	30.56		6.60	14.6	14.6	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR5	12:55:50	1.0	Surface	1	2	22.16	8.21	30.56		6.57	12.6	12.6	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR5	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR5	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR5	12:56:38	4.8	Bottom	3	1	21.96	8.21	30.60		6.50	22.4	22.4	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR5	12:57:10	4.8	Bottom	3	2	21.96	8.21	30.60		6.48	24.3	24.3	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR10A	07:57:26	1.0	Surface	1	1	22.16	8.17	30.92		6.32	7.7	7.7	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR10A	07:58:13	1.0	Surface	1	2	22.15	8.17	30.89		6.27	7.9	7.9	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR10A	07:59:32	5.1	Middle	2	1	22.18	8.2	30.98		6.22	7.5	7.5	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR10A	08:00:12	5.1	Middle	2	2	22.19	8.2	31.00		6.24	7.9	7.9	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR10A	08:01:52	9.1	Bottom	3	1	22.22	8.21	31.09		6.20	9.8	9.8	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR10A	08:02:32	9.1	Bottom	3	2	22.22	8.21	31.09		6.20	8.6	8.6	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR10B	08:08:54	1.0	Surface	1	1	22.45	8.22	31.98		6.13	8.5	8.5	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR10B	08:09:52	1.0	Surface	1	2	22.46	8.23	32.00		6.14	12.2	12.2	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR10B	08:11:03	3.9	Middle	2	1	22.46	8.23	32.01		6.11	12.6	12.6	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR10B	08:11:50	3.9	Middle	2	2	22.46	8.23	32.01		6.10	12.4	12.4	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR10B	08:12:35	6.7	Bottom	3	1	22.46	8.23	32.01		6.08	12.4	12.4	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	SR10B	08:13:28	6.7	Bottom	3	2	22.46	8.23	32.01		6.07	13.0	13.0	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	CS2	10:34:53	1.0	Surface	1	1	22.06	8.23	30.46		6.64	14.7	14.7	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	CS2	10:35:41	1.0	Surface	1	2	22.08	8.23	30.43		6.61	12.7	12.7	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	CS2	10:36:24	3.8	Middle	2	1	22.04	8.23	30.55		6.56	22.7	22.7	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	CS2	10:37:50	3.8	Middle	2	2	22.04	8.23	30.56		6.54	23.3	23.3	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	CS2	10:40:07	6.5	Bottom	3	1	22.02	8.24	30.67		6.48	35.9	35.9	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	CS2	10:42:48	6.5	Bottom	3	2	22.02	8.24	30.74		6.48	38.0	38.0	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	CS(Mf)5	08:29:55	1.0	Surface	1	1	22.07	8.21	30.66		6.45	6.8	6.8	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	CS(Mf)5	08:30:59	1.0	Surface	1	2	22.06	8.22	30.65		6.44	7.0	7.0	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	CS(Mf)5	08:31:58	6.6	Middle	2	1	22.16	8.22	30.98		6.30	13.6	13.6	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	CS(Mf)5	08:32:38	6.6	Middle	2	2	22.15	8.22	30.95		6.30	13.6	13.6	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	CS(Mf)5	08:37:38	12.1	Bottom	3	1	22.19	8.22	31.15		6.19	39.6	39.6	
HKLR	HY/2011/03	2012-12-01	Mid-Flood	Cloudy	CS(Mf)5	08:38:09	12.1	Bottom	3	2	22.19	8.22	31.15		6.19	40.0	40.0	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS5	16:07:06	1.0	Surface	1	1	21.27	8.21	29.6		6.7	12.7	14.7	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS5	16:07:55	1.0	Surface	1	2	21.28	8.22	29.6		6.6	13.6	15.3	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS5	16:08:29	5.0	Middle	2	1	21.29	8.22	29.6		6.6	15.4	13.1	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS5	16:09:14	5.0	Middle	2	2	21.28	8.22	29.6		6.6	13.5	12.0	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS5	16:10:20	9.0	Bottom	3	1	21.29	8.22	29.6		6.5	15.4	13.6	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS5	16:11:05	9.0	Bottom	3	2	21.29	8.22	29.6		6.5	14.4	14.9	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS(Mf)6	15:59:28	1.0	Surface	1	1	21.19	8.21	29.5		6.7	15.2	11.5	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS(Mf)6	16:00:04	1.0	Surface	1	2	21.19	8.21	29.5		6.6	14.6	10.7	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS(Mf)6	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS(Mf)6	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS(Mf)6	16:00:32	2.0	Bottom	3	1	21.19	8.21	29.5		6.6	14.1	12.5	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS(Mf)6	16:01:00	2.0	Bottom	3	2	21.18	8.21	29.5		6.6	13.7	13.4	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS7	15:52:10	1.0	Surface	1	1	21.24	8.22	29.3		6.8	9.1	6.4	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS7	15:52:48	1.0	Surface	1	2	21.23	8.22	29.3		6.8	8.9	5.6	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS7	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS7	15:53:24	2.4	Bottom	3	1	21.16	8.21	29.5		6.7	13.3	7.7	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS7	15:53:53	2.4	Bottom	3	2	21.15	8.21	29.5		6.6	12.9	7.7	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS8	15:37:00	1.0	Surface	1	1	21.29	8.21	29.2		6.8	10.0	6.1	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS8	15:37:24	1.0	Surface	1	2	21.29	8.21	29.2		6.7	9.5	6.6	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS8	15:38:00	3.2	Bottom	3	1	21.32	8.21	29.2		6.6	10.7	7.7	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS8	15:38:33	3.2	Bottom	3	2	21.33	8.21	29.2		6.6	10.6	6.1	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS(Mf)9	15:43:42	1.0	Surface	1	1	21.37	8.21	29.2		6.8	10.2	8.2	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS(Mf)9	15:44:25	1.0	Surface	1	2	21.38	8.21	29.2		6.7	10.4	7.5	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS(Mf)9	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS(Mf)9	15:44:58	2.7	Bottom	3	1	21.42	8.21	29.2		6.6	13.0	15.4	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS(Mf)9	15:45:25	2.7	Bottom	3	2	21.42	8.21	29.2		6.6	14.0	17.0	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS10	18:03:34	1.0	Surface	1	1	21.23	8.19	28.4		6.8	7.9	6.4	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS10	18:04:03	1.0	Surface	1	2	21.23	8.19	28.4		6.7	7.9	5.5	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS10	18:04:45	5.7	Middle	2	1	21.66	8.21	29.8		6.5	13.2	11.2	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS10	18:06:30	5.7	Middle	2	2	21.62	8.21	29.6		6.4	12.7	9.4	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS10	18:07:43	10.3	Bottom	3	1	22.00	8.22	30.8		6.2	16.4	10.9	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	IS10	18:08:07	10.3	Bottom	3	2	22.02	8.22	30.8		6.2	16.2	10.6	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR3	16:19:42	0.9	Middle	2	1	21.24	8.21	29.5		6.7	12.7	9.1	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR3	16:20:09	0.9	Middle	2	2	21.24	8.21	29.6		6.7	12.6	9.0	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR4	15:30:40	1.0	Surface	1	1	21.28	8.20	28.9		6.6	12.9	8.0	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR4	15:31:09	1.0	Surface	1	2	21.28	8.20	28.9		6.6	12.4	8.6	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR4	15:31:35	2.8	Bottom	3	1	21.30	8.20	29.0		6.5	14.2	13.0	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR4	15:32:09	2.8	Bottom	3	2	21.30	8.20	29.0		6.5	14.3	12.2	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR5	17:51:38	1.0	Surface	1	1	21.33	8.19	28.7		6.7	11.9	8.7	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR5	17:52:19	1.0	Surface	1	2	21.38	8.20	28.8		6.7	12.7	8.5	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR5	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR5	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR5	17:52:59	4.5	Bottom	3	1	21.54	8.21	29.4		6.5	14.7	14.6	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR5	17:53:22	4.5	Bottom	3	2	21.53	8.21	29.4		6.5	15.2	13.4	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR10A	14:41:53	1.0	Surface	1	1	22.19	8.19	31.9		6.2	9.6	8.9	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR10A	14:42:17	1.0	Surface	1	2	22.20	8.20	31.9		6.1	9.4	7.7	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR10A	14:42:46	5.3	Middle	2	1	22.24	8.23	32.2		6.1	10.4	10.8	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR10A	14:43:07	5.3	Middle	2	2	22.24	8.23	32.2		6.1	10.4	10.4	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR10A	14:44:26	9.5	Bottom	3	1	22.25	8.24	32.2		6.1	11.0	13.8	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR10A	14:45:02	9.5	Bottom	3	2	22.25	8.24	32.2		6.1	10.4	13.0	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR10B	14:50:51	1.0	Surface	1	1	22.13	8.24	31.9		6.1	7.1	6.2	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR10B	14:51:24	1.0	Surface	1	2	22.13	8.24	31.9		6.3	8.0	6.5	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR10B	14:52:47	4.1	Middle	2	1	22.14	8.24	31.9		6.2	8.4	7.5	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR10B	14:53:24	4.1	Middle	2	2	22.14	8.24	31.9		6.2	8.4	8.7	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR10B	14:54:00	7.2	Bottom	3	1	22.14	8.24	31.9		6.2	8.6	11.3	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	SR10B	14:54:30	7.2	Bottom	3	2	22.14	8.24	31.9		6.2	8.9	12.7	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	CS2	17:03:07	1.0	Surface	1	1	21.19	8.20	28.0		6.8	8.2	6.0	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	CS2	17:03:45	1.0	Surface	1	2	21.19	8.20	28.1		6.8	8.2	6.0	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	CS2	17:04:56	3.6	Middle	2	1	21.46	8.26	30.0		6.8	9.6	5.5	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	CS2	17:05:25	3.6	Middle	2	2	21.46	8.26	30.0		6.8	9.4	6.5	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	CS2	17:06:32	6.2	Bottom	3	1	21.80	8.29	31.6		6.6	14.6	7.8	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	CS2	17:07:00	6.2	Bottom	3	2	21.81	8.29	31.6		6.6	14.8	6.4	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	CS(Mf)5	15:12:51	1.0	Surface	1	1	21.83	8.22	30.4		6.5	9.5	6.4	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	CS(Mf)5	15:13:15	1.0	Surface	1	2	21.83	8.22	30.4		6.4	9.4	5.4	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	CS(Mf)5	15:14:16	6.6	Middle	2	1	22.17	8.24	31.7		6.2	7.8	5.9	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	CS(Mf)5	15:14:44	6.6	Middle	2	2	22.17	8.24	31.7		6.2	8.0	5.1	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	CS(Mf)5	15:15:47	12.1	Bottom	3	1	22.17	8.24	31.7		6.1	8.8	5.8	
HKLR	HY/2011/03	2012-12-03	Mid-Ebb	Shower	CS(Mf)5	15:16:38	12.1	Bottom	3	2	22.17	8.24	31.7		6.1	9.0	6.6	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS5	10:30:12	1.0	Surface	1	1	21.03	8.20	29.1		6.8	6.0	8.5	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS5	10:30:45	1.0	Surface	1	2	21.09	8.20	29.1		6.8	6.0	9.1	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS5	10:31:45	4.4	Middle	2	1	21.23	8.20	29.3		6.7	9.7	11.9	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS5	10:32:14	4.4	Middle	2	2	21.21	8.20	29.3		6.7	8.8	10.9	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS5	10:32:43	7.7	Bottom	3	1	21.33	8.20	29.6		6.6	15.0	15.4	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS5	10:33:18	7.7	Bottom	3	2	21.32	8.20	29.5		6.6	15.5	16.6	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS(Mf)6	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS(Mf)6	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS(Mf)6	10:22:24	1.4	Middle	2	1	21.16	8.20	29.3		6.8	11.7	4.8	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS(Mf)6	10:22:56	1.4	Middle	2	2	21.12	8.20	29.2		6.7	9.9	4.1	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS(Mf)6	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS(Mf)6	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS7	10:05:06	1.0	Surface	1	1	21.34	8.19	29.5		6.8	16.3	13.8	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS7	10:05:37	1.0	Surface	1	2	21.35	8.20	29.5		6.7	16.8	14.8	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS7	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS7	10:06:04	2.0	Bottom	3	1	21.35	8.20	29.5		6.6	19.1	18.1	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS7	10:06:25	2.0	Bottom	3	2	21.35	8.20	29.5		6.6	20.7	18.4	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS8	09:50:23	1.0	Surface	1	1	21.42	8.19	29.0		6.7	11.5	9.8	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS8	09:50:59	1.0	Surface	1	2	21.42	8.19	29.0		6.7	11.4	10.8	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS8	09:51:30	2.6	Bottom	3	1	21.43	8.20	29.0		6.6	12.2	12.1	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS8	09:52:05	2.6	Bottom	3	2	21.43	8.20	29.0		6.6	12.3	13.2	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS(Mf)9	09:57:58	1.0	Surface	1	1	21.41	8.19	29.0		6.7	11.9	10.8	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS(Mf)9	09:58:29	1.0	Surface	1	2	21.41	8.19	29.0		6.7	12.4	10.2	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS(Mf)9	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS(Mf)9	09:59:03	2.2	Bottom	3	1	21.44	8.19	29.3		6.6	14.1	12.5	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS(Mf)9	09:59:32	2.2	Bottom	3	2	21.44	8.19	29.3		6.6	14.3	13.4	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS10	12:25:34	1.0	Surface	1	1	21.44	8.20	29.2		6.8	14.0	13.3	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS10	12:26:12	1.0	Surface	1	2	21.45	8.20	29.2		6.7	13.5	12.7	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS10	12:27:25	6.0	Middle	2	1	21.40	8.20	29.3		6.6	20.2	14.4	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS10	12:27:58	6.0	Middle	2	2	21.40	8.20	29.3		6.6	21.2	15.3	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS10	12:28:55	11.0	Bottom	3	1	21.21	8.20	29.6		6.6	23.0	41.3	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	IS10	12:29:33	11.0	Bottom	3	2	21.25	8.20	29.6		6.6	23.4	40.5	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR3	10:41:02	0.6	Middle	2	1	21.22	8.20	29.4		6.7	13.1	11.9	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR3	10:41:38	0.6	Middle	2	2	21.24	8.20	29.4		6.7	13.7	11.9	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR4	09:43:36	1.0	Surface	1	1	21.28	8.19	28.9		6.6	16.1	19.8	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR4	09:44:05	1.0	Surface	1	2	21.29	8.19	28.9		6.6	16.2	20.6	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR4	09:44:41	2.4	Bottom	3	1	21.30	8.19	28.9		6.6	15.2	19.5	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR4	09:45:10	2.4	Bottom	3	2	21.31	8.19	28.9		6.6	15.0	17.9	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR5	12:12:42	1.0	Surface	1	1	21.33	8.20	29.2		6.8	16.5	17.6	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR5	12:13:25	1.0	Surface	1	2	21.33	8.20	29.2		6.7	15.8	16.4	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR5	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR5	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR5	12:14:19	4.7	Bottom	3	1	21.62	8.21	29.5		6.5	20.6	17.8	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR5	12:14:44	4.7	Bottom	3	2	21.60	8.21	29.5		6.5	19.8	18.5	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR10A	08:51:50	1.0	Surface	1	1	21.78	8.15	29.7		6.5	5.2	6.9	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR10A	08:52:32	1.0	Surface	1	2	21.78	8.16	29.7		6.4	5.4	6.5	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR10A	08:53:27	4.9	Middle	2	1	21.85	8.17	29.9		6.4	6.0	8.0	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR10A	08:54:02	4.9	Middle	2	2	21.87	8.18	30.0		6.4	6.1	6.4	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR10A	08:55:10	8.9	Bottom	3	1	21.92	8.18	30.1		6.3	7.2	6.8	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR10A	08:55:29	8.9	Bottom	3	2	21.92	8.18	30.1		6.3	7.4	5.2	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR10B	09:04:12	1.0	Surface	1	1	22.20	8.21	31.6		6.3	6.8	7.8	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR10B	09:04:58	1.0	Surface	1	2	22.20	8.22	31.6		6.2	6.5	9.7	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR10B	09:05:47	3.9	Middle	2	1	22.21	8.22	31.7		6.2	6.9	8.5	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR10B	09:07:33	3.9	Middle	2	2	22.21	8.22	31.7		6.2	7.2	8.2	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR10B	09:08:28	6.8	Bottom	3	1	22.20	8.22	31.6		6.2	6.6	8.0	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	SR10B	09:09:10	6.8	Bottom	3	2	22.20	8.22	31.6		6.2	6.3	6.8	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	CS2	11:28:13	1.0	Surface	1	1	21.51	8.19	28.9		6.8	8.6	10.0	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	CS2	11:28:41	1.0	Surface	1	2	21.51	8.20	29.0		6.7	8.5	10.6	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	CS2	11:29:17	3.9	Middle	2	1	21.56	8.21	29.1		6.6	9.7	9.6	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	CS2	11:29:52	3.9	Middle	2	2	21.59	8.21	29.2		6.6	9.5	9.7	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	CS2	11:30:42	6.9	Bottom	3	1	21.83	8.25	30.4		6.5	33.2	28.7	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	CS2	11:31:09	6.9	Bottom	3	2	21.83	8.25	30.4		6.5	35.2	28.0	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	CS(Mf)5	09:23:53	1.0	Surface	1	1	21.52	8.19	29.3		6.4	5.6	6.3	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	CS(Mf)5	09:24:31	1.0	Surface	1	2	21.54	8.19	29.3		6.6	5.2	4.7	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	CS(Mf)5	09:25:20	6.6	Middle	2	1	22.11	8.20	30.6		6.3	6.5	7.4	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	CS(Mf)5	09:25:46	6.6	Middle	2	2	22.18	8.21	30.9		6.2	6.0	6.6	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	CS(Mf)5	09:26:21	12.2	Bottom	3	1	22.30	8.21	31.5		6.1	14.6	8.4	
HKLR	HY/2011/03	2012-12-03	Mid-Flood	Shower	CS(Mf)5	09:27:26	12.2	Bottom	3	2	22.30	8.21	31.5		6.1	17.6	9.3	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS5	17:24:50	1.0	Surface	1	1	20.40	8.24	30.1		6.8	11.4	10.6	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS5	17:25:40	1.0	Surface	1	2	20.42	8.25	30.1		6.8	11.5	9.0	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS5	17:26:16	5.0	Middle	2	1	20.51	8.25	30.2		6.7	12.0	10.7	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS5	17:27:24	5.0	Middle	2	2	20.49	8.25	30.2		6.7	11.6	9.4	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS5	17:28:03	9.0	Bottom	3	1	20.66	8.26	30.5		6.6	15.2	12.9	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS5	17:28:58	9.0	Bottom	3	2	20.67	8.26	30.6		6.6	16.1	13.2	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS(Mf)6	17:15:22	1.0	Surface	1	1	20.47	8.24	30.1		6.8	12.0	9.6	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS(Mf)6	17:16:14	1.0	Surface	1	2	20.48	8.24	30.1		6.7	11.9	10.9	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS(Mf)6	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS(Mf)6	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS(Mf)6	17:17:05	2.3	Bottom	3	1	20.48	8.25	30.1		6.7	12.2	10.0	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS(Mf)6	17:17:43	2.3	Bottom	3	2	20.48	8.25	30.1		6.7	12.0	10.8	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS7	17:05:54	1.0	Surface	1	1	20.41	8.23	29.9		6.8	20.0	16.3	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS7	17:06:37	1.0	Surface	1	2	20.42	8.24	29.9		6.8	21.3	17.7	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS7	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS7	17:07:08	2.5	Bottom	3	1	20.42	8.24	29.9		6.7	21.8	22.8	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS7	17:07:42	2.5	Bottom	3	2	20.41	8.24	29.9		6.7	20.6	22.1	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS8	16:50:02	1.0	Surface	1	1	20.97	8.23	30.6		6.7	11.5	9.2	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS8	16:50:42	1.0	Surface	1	2	20.98	8.24	30.6		6.6	12.0	10.4	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS8	16:51:42	3.4	Bottom	3	1	21.11	8.24	30.7		6.5	13.3	34.4	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS8	16:52:33	3.4	Bottom	3	2	21.13	8.24	30.7		6.5	14.7	33.0	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS(Mf)9	16:58:01	1.0	Surface	1	1	21.03	8.23	30.7		6.6	11.9	9.6	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS(Mf)9	16:58:43	1.0	Surface	1	2	20.87	8.24	30.6		6.6	10.3	10.8	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS(Mf)9	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS(Mf)9	16:59:13	2.8	Bottom	3	1	21.03	8.24	30.7		6.6	11.7	10.2	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS(Mf)9	16:59:47	2.8	Bottom	3	2	21.02	8.24	30.7		6.5	12.2	11.0	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS10	19:18:46	1.0	Surface	1	1	20.79	8.23	30.7		6.8	15.1	12.7	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS10	19:19:30	1.0	Surface	1	2	20.88	8.24	30.8		6.7	14.9	11.7	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS10	19:20:21	5.7	Middle	2	1	21.53	8.25	31.7		6.3	12.4	11.4	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS10	19:21:03	5.7	Middle	2	2	21.58	8.25	31.7		6.3	12.0	10.3	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS10	19:22:32	10.4	Bottom	3	1	21.78	8.26	32.2		6.1	16.4	9.2	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	IS10	19:25:36	10.4	Bottom	3	2	21.78	8.25	32.3		6.2	11.0	9.3	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR3	17:35:50	0.8	Middle	2	1	20.21	8.24	30.0		7.0	11.0	10.2	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR3	17:36:30	0.8	Middle	2	2	20.21	8.25	30.0		6.9	11.7	9.0	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR4	16:41:47	1.0	Surface	1	1	20.78	8.22	29.6		6.6	10.7	9.2	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR4	16:42:26	1.0	Surface	1	2	20.69	8.22	29.2		6.6	10.5	9.3	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR4	16:42:50	2.8	Bottom	3	1	21.00	8.22	30.5		6.5	12.7	12.8	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR4	16:43:21	2.8	Bottom	3	2	21.01	8.23	30.5		6.4	13.3	11.4	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR5	19:07:05	1.0	Surface	1	1	20.81	8.26	30.7		6.9	16.0	14.6	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR5	19:07:54	1.0	Surface	1	2	20.84	8.26	30.7		6.8	15.7	14.7	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR5	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR5	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR5	19:08:40	4.6	Bottom	3	1	20.81	8.26	30.7		6.7	16.0	17.4	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR5	19:09:10	4.6	Bottom	3	2	20.82	8.26	30.7		6.7	16.5	16.5	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR10A	15:54:21	1.0	Surface	1	1	21.56	8.22	32.3		6.4	7.4	6.1	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR10A	15:54:48	1.0	Surface	1	2	21.54	8.23	32.3		6.3	7.5	5.2	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR10A	15:55:30	5.4	Middle	2	1	21.89	8.26	32.7		6.2	9.0	7.4	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR10A	15:55:52	5.4	Middle	2	2	21.89	8.26	32.7		6.2	8.9	7.0	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR10A	15:56:33	9.8	Bottom	3	1	21.89	8.27	32.7		6.2	9.2	10.1	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR10A	15:56:55	9.8	Bottom	3	2	21.89	8.27	32.7		6.2	9.8	11.0	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR10B	16:04:33	1.0	Surface	1	1	21.80	8.27	32.7		6.4	8.7	8.7	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR10B	16:05:08	1.0	Surface	1	2	21.80	8.27	32.7		6.3	8.6	9.7	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR10B	16:05:56	3.9	Middle	2	1	21.80	8.28	32.7		6.3	8.5	10.1	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR10B	16:06:22	3.9	Middle	2	2	21.80	8.28	32.7		6.3	8.6	9.0	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR10B	16:07:38	6.8	Bottom	3	1	21.80	8.28	32.7		6.2	8.7	8.6	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	SR10B	16:08:10	6.8	Bottom	3	2	21.80	8.28	32.7		6.2	8.8	7.5	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	CS2	18:21:29	1.0	Surface	1	1	20.81	8.32	32.2		7.1	12.6	10.0	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	CS2	18:21:59	1.0	Surface	1	2	20.80	8.33	32.2		7.0	12.2	11.9	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	CS2	18:22:29	3.6	Middle	2	1	20.98	8.34	32.5		6.9	11.7	12.6	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	CS2	18:22:52	3.6	Middle	2	2	20.96	8.34	32.5		6.9	11.7	13.7	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	CS2	18:23:26	6.2	Bottom	3	1	21.28	8.35	32.9		6.9	12.2	9.7	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	CS2	18:24:16	6.2	Bottom	3	2	21.28	8.36	32.9		6.8	12.4	10.0	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	CS(Mf)5	16:25:56	1.0	Surface	1	1	21.69	8.27	32.4		6.4	7.3	3.4	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	CS(Mf)5	16:26:30	1.0	Surface	1	2	21.54	8.27	32.2		6.4	6.7	4.1	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	CS(Mf)5	16:27:31	6.8	Middle	2	1	21.71	8.27	32.4		6.3	7.5	5.3	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	CS(Mf)5	16:27:54	6.9	Middle	2	2	21.72	8.27	32.4		6.3	7.7	4.2	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	CS(Mf)5	16:28:48	12.6	Bottom	3	1	21.75	8.27	32.4		6.2	8.0	6.6	
HKLR	HY/2011/03	2012-12-05	Mid-Ebb	Cloudy	CS(Mf)5	16:29:17	12.6	Bottom	3	2	21.76	8.27	32.4		6.2	7.7	7.1	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS5	11:53:48	1.0	Surface	1	1	20.43	8.22	29.7		6.9	13.4	8.6	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS5	11:54:20	1.0	Surface	1	2	20.42	8.23	29.7		6.8	12.6	7.5	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS5	11:54:53	4.7	Middle	2	1	20.45	8.23	29.8		6.8	8.9	6.4	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS5	11:55:27	4.7	Middle	2	2	20.50	8.23	29.8		6.7	8.5	7.4	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS5	11:56:09	8.4	Bottom	3	1	20.88	8.26	30.8		6.6	10.5	7.0	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS5	11:56:46	8.4	Bottom	3	2	20.89	8.26	30.8		6.6	10.5	7.4	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS(Mf)6	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS(Mf)6	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS(Mf)6	11:48:10	1.5	Middle	2	1	20.54	8.23	29.8		6.8	18.9	22.0	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS(Mf)6	11:48:51	1.5	Middle	2	2	20.54	8.23	29.8		6.7	21.0	21.2	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS(Mf)6	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS(Mf)6	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS7	11:41:15	1.0	Surface	1	1	20.67	8.23	30.0		6.6	11.5	11.0	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS7	11:41:56	1.0	Surface	1	2	20.67	8.23	29.9		6.7	12.1	12.2	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS7	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS7	11:42:36	2.1	Bottom	3	1	20.66	8.23	30.0		6.7	15.1	14.8	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS7	11:43:04	2.1	Bottom	3	2	20.66	8.23	30.0		6.7	16.5	16.0	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS8	11:26:35	1.0	Surface	1	1	21.06	8.22	30.3		6.6	11.4	11.3	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS8	11:27:25	1.0	Surface	1	2	21.06	8.22	30.3		6.5	11.7	10.9	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS8	11:28:00	2.8	Bottom	3	1	21.07	8.23	30.3		6.5	14.5	13.5	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS8	11:28:22	2.8	Bottom	3	2	21.06	8.23	30.3		6.5	13.1	12.8	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS(Mf)9	11:34:17	1.0	Surface	1	1	20.89	8.22	30.1		6.7	8.1	6.2	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS(Mf)9	11:35:05	1.0	Surface	1	2	20.89	8.23	30.1		6.6	8.0	5.3	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS(Mf)9	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS(Mf)9	11:36:10	2.4	Bottom	3	1	21.00	8.23	30.3		6.5	12.5	11.0	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS(Mf)9	11:36:31	2.4	Bottom	3	2	21.01	8.23	30.3		6.5	12.4	11.2	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS10	13:46:22	1.0	Surface	1	1	20.93	8.23	30.4		6.7	10.9	9.6	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS10	13:46:55	1.0	Surface	1	2	20.94	8.23	30.4		6.6	11.2	9.4	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS10	13:48:33	5.9	Middle	2	1	21.00	8.24	30.4		6.6	11.7	10.7	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS10	13:49:05	5.9	Middle	2	2	21.00	8.24	30.4		6.6	11.0	11.2	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS10	13:49:54	10.8	Bottom	3	1	21.09	8.24	30.6		6.5	13.6	12.4	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	IS10	13:50:37	10.8	Bottom	3	2	21.10	8.24	30.6		6.5	13.8	12.5	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR3	12:04:07	0.6	Middle	2	1	20.48	8.24	29.9		6.8	11.1	8.4	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR3	12:04:44	0.6	Middle	2	2	20.47	8.24	29.9		6.8	10.8	7.3	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR4	11:20:06	1.0	Surface	1	1	20.90	8.21	29.9		6.6	18.9	16.5	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR4	11:20:44	1.0	Surface	1	2	20.92	8.21	29.9		6.5	17.9	15.8	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR4	11:21:23	2.5	Bottom	3	1	21.05	8.22	30.1		6.4	17.9	18.8	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR4	11:21:57	2.5	Bottom	3	2	21.05	8.22	30.1		6.4	18.9	18.4	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR5	13:33:20	1.0	Surface	1	1	20.96	8.24	30.5		6.7	20.0	21.0	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR5	13:33:52	1.0	Surface	1	2	20.97	8.24	30.5		6.6	19.2	22.5	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR5	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR5	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR5	13:34:31	4.6	Bottom	3	1	20.99	8.24	30.5		6.6	21.9	23.2	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR5	13:35:01	4.6	Bottom	3	2	20.98	8.24	30.5		6.6	20.7	24.5	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR10A	10:28:43	1.0	Surface	1	1	21.47	8.21	31.2		6.3	6.0	4.7	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR10A	10:29:17	1.0	Surface	1	2	21.32	8.20	30.9		6.3	6.0	4.3	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR10A	10:29:59	5.1	Middle	2	1	21.67	8.22	31.7		6.2	5.5	3.6	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR10A	10:30:22	5.1	Middle	2	2	21.68	8.22	31.7		6.2	5.5	4.0	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR10A	10:31:20	9.2	Bottom	3	1	21.71	8.23	31.7		6.2	5.9	4.4	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR10A	10:31:52	9.2	Bottom	3	2	21.71	8.23	31.7		6.2	5.9	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	2012-12-05	Mid-Flood	Shower	SR10B	10:44:08	1.0	Surface	1	1	21.82	8.25	32.2		6.3	7.6	7.5	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR10B	10:44:37	1.0	Surface	1	2	21.82	8.25	32.2		6.3	8.0	8.0	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR10B	10:45:06	3.8	Middle	2	1	21.82	8.25	32.2		6.2	7.9	8.0	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR10B	10:45:48	3.8	Middle	2	2	21.82	8.25	32.2		6.2	7.7	7.8	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR10B	10:46:25	5.5	Bottom	3	1	21.82	8.26	32.2		6.2	8.1	7.6	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	SR10B	10:46:55	5.5	Bottom	3	2	21.82	8.26	32.2		6.2	7.8	7.5	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	CS2	12:48:33	1.0	Surface	1	1	20.93	8.27	30.8		6.9	9.7	8.6	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	CS2	12:49:14	1.0	Surface	1	2	20.93	8.28	30.8		6.9	9.4	8.7	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	CS2	12:50:19	3.7	Middle	2	1	20.96	8.29	30.9		6.8	10.8	9.0	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	CS2	12:50:41	3.7	Middle	2	2	20.97	8.29	31.0		6.8	10.7	8.1	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	CS2	12:51:16	6.4	Bottom	3	1	21.09	8.29	31.3		6.8	23.0	27.7	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	CS2	12:53:35	6.4	Bottom	3	2	21.11	8.30	31.4		6.7	21.1	26.9	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	CS(Mf)5	11:03:08	1.0	Surface	1	1	21.13	8.23	30.6		6.7	6.8	4.4	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	CS(Mf)5	11:04:06	1.0	Surface	1	2	21.13	8.23	30.6		6.6	5.4	4.0	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	CS(Mf)5	11:04:44	6.6	Middle	2	1	21.92	8.25	32.0		6.2	7.5	6.7	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	CS(Mf)5	11:05:14	6.6	Middle	2	2	21.92	8.25	32.0		6.2	7.8	7.1	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	CS(Mf)5	11:06:43	12.2	Bottom	3	1	21.95	8.25	32.1		6.1	14.0	15.6	
HKLR	HY/2011/03	2012-12-05	Mid-Flood	Shower	CS(Mf)5	11:07:20	12.2	Bottom	3	2	21.95	8.25	32.1		6.1	13.1	14.1	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS5	07:53:36	1.0	Surface	1	1	20.48	8.30	31.8		6.8	8.8	3.8	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS5	07:54:05	1.0	Surface	1	2	20.51	8.31	31.8		6.8	9.3	4.2	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS5	07:55:15	4.8	Middle	2	1	21.02	8.35	32.6		6.7	10.4	8.0	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS5	07:56:04	4.8	Middle	2	2	21.02	8.35	32.6		6.7	10.4	9.2	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS5	07:57:35	8.5	Bottom	3	1	21.22	8.37	32.9		6.7	15.3	15.4	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS5	07:58:02	8.5	Bottom	3	2	21.22	8.37	32.9		6.7	16.4	14.4	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS(Mf)6	07:42:20	1.0	Surface	1	1	20.19	8.28	31.4		6.9	10.2	5.8	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS(Mf)6	07:43:22	1.0	Surface	1	2	20.18	8.29	31.4		6.9	10.2	5.6	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS(Mf)6	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS(Mf)6	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS(Mf)6	07:43:57	2.0	Bottom	3	1	20.50	8.30	31.7		6.8	12.7	5.2	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS(Mf)6	07:44:38	2.0	Bottom	3	2	20.31	8.29	31.4		6.8	13.2	6.9	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS7	07:33:04	1.0	Surface	1	1	20.13	8.26	31.0		6.8	9.0	5.4	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS7	07:33:35	1.0	Surface	1	2	20.22	8.27	31.2		6.8	13.9	6.0	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS7	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS7	07:34:02	2.3	Bottom	3	1	20.31	8.28	31.4		6.8	11.6	11.7	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS7	07:34:40	2.3	Bottom	3	2	20.29	8.28	31.4		6.8	11.7	11.1	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS8	07:11:28	1.0	Surface	1	1	20.41	8.27	31.5		6.8	9.7	5.5	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS8	07:12:20	1.0	Surface	1	2	20.41	8.27	31.5		6.7	9.5	6.9	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS8	07:12:50	3.1	Bottom	3	1	20.73	8.29	31.8		6.7	9.9	6.4	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS8	07:13:11	3.1	Bottom	3	2	20.73	8.30	31.8		6.7	9.9	5.2	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS(Mf)9	07:19:07	1.0	Surface	1	1	20.46	8.27	31.5		6.8	8.9	5.2	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS(Mf)9	07:19:51	1.0	Surface	1	2	20.47	8.27	31.5		6.8	8.9	4.4	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS(Mf)9	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS(Mf)9	07:20:38	2.6	Bottom	3	1	20.50	8.28	31.5		6.7	8.9	4.2	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS(Mf)9	07:21:15	2.6	Bottom	3	2	20.50	8.28	31.5		6.7	9.0	4.0	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS10	10:04:56	1.0	Surface	1	1	20.73	8.29	31.4		7.0	7.5	2.8	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS10	10:05:45	1.0	Surface	1	2	20.73	8.29	31.4		6.9	7.5	4.7	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS10	10:07:24	5.3	Middle	2	1	20.73	8.30	31.5		6.9	8.8	5.2	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS10	10:07:58	5.3	Middle	2	2	20.72	8.30	31.6		6.9	8.7	6.2	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS10	10:08:35	9.6	Bottom	3	1	20.79	8.31	32.0		6.8	17.3	6.6	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	IS10	10:09:18	9.6	Bottom	3	2	20.78	8.31	32.0		6.7	22.1	7.8	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR3	08:07:57	0.7	Middle	2	1	20.48	8.30	31.7		6.8	10.2	5.2	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR3	08:08:39	0.7	Middle	2	2	20.43	8.30	31.7		6.7	9.9	5.7	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR4	06:55:39	1.0	Surface	1	1	20.75	8.22	30.7		6.3	10.1	4.0	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR4	06:55:30	1.0	Surface	1	2	20.72	8.22	30.4		6.3	9.2	3.3	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR4	06:57:02	2.9	Bottom	3	1	20.87	8.24	31.3		6.3	10.9	7.8	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR4	06:57:32	2.9	Bottom	3	2	20.87	8.24	31.3		6.3	11.4	6.5	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR5	09:52:29	1.0	Surface	1	1	20.82	8.30	31.8		6.9	8.5	7.1	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR5	09:53:25	1.0	Surface	1	2	20.75	8.29	31.4		6.8	10.3	6.0	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR5	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR5	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR5	09:54:02	4.0	Bottom	3	1	20.84	8.32	32.1		6.8	10.6	7.1	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR5	09:54:47	4.0	Bottom	3	2	20.84	8.32	32.0		6.8	9.7	5.3	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR10A	05:56:12	1.0	Surface	1	1	21.44	8.19	32.5		6.2	6.7	4.7	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR10A	05:57:08	1.0	Surface	1	2	21.45	8.21	32.5		6.1	6.9	3.4	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR10A	05:57:39	5.4	Middle	2	1	21.48	8.23	32.5		6.1	7.1	3.1	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR10A	05:58:25	5.4	Middle	2	2	21.48	8.24	32.5		6.2	7.2	3.8	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR10A	06:00:08	9.8	Bottom	3	1	21.50	8.25	32.5		6.1	7.2	2.7	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR10A	06:00:46	9.8	Bottom	3	2	21.48	8.25	32.5		6.1	7.1	2.8	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR10B	06:08:31	1.0	Surface	1	1	21.47	8.26	32.5		6.4	7.0	3.0	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR10B	06:09:19	1.0	Surface	1	2	21.47	8.26	32.5		6.3	7.3	3.8	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR10B	06:09:46	3.5	Middle	2	1	21.48	8.27	32.5		6.3	7.1	3.4	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR10B	06:10:21	3.5	Middle	2	2	21.49	8.27	32.5		6.3	7.3	3.2	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR10B	06:11:00	5.9	Bottom	3	1	21.49	8.27	32.5		6.2	8.1	3.6	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	SR10B	06:11:34	5.9	Bottom	3	2	21.49	8.27	32.5		6.2	7.2	4.3	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	CS2	08:58:41	1.0	Surface	1	1	20.55	8.28	30.8		7.0	7.3	2.3	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	CS2	08:59:10	1.0	Surface	1	2	20.56	8.29	30.8		7.0	7.4	2.0	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	CS2	08:59:55	3.7	Middle	2	1	21.00	8.34	31.9		6.9	8.5	4.3	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	CS2	09:00:32	3.7	Middle	2	2	21.01	8.35	32.0		6.9	8.5	3.4	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	CS2	09:01:37	6.3	Bottom	3	1	21.49	8.39	33.1		6.8	12.3	5.8	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	CS2	09:02:27	6.3	Bottom	3	2	21.51	8.40	33.1		6.8	13.5	5.0	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	CS(Mf)5	06:34:00	1.0	Surface	1	1	20.88	8.26	31.9		6.6	8.5	3.6	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	CS(Mf)5	06:34:52	1.0	Surface	1	2	20.84	8.26	31.9		6.5	8.3	4.9	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	CS(Mf)5	06:35:50	6.9	Middle	2	1	21.26	8.27	32.2		6.3	8.3	5.0	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	CS(Mf)5	06:36:28	6.9	Middle	2	2	21.22	8.27	32.2		6.4	8.0	3.7	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	CS(Mf)5	06:37:19	12.8	Bottom	3	1	21.48	8.27	32.4		6.2	8.1	3.7	
HKLR	HY/2011/03	2012-12-08	Mid-Ebb	Cloudy	CS(Mf)5	06:38:12	12.8	Bottom	3	2	21.49	8.27	32.4		6.2	8.1	4.5	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS5	14:30:40	1.0	Surface	1	1	20.60	8.29	31.7		7.1	13.0	14.2	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS5	14:31:31	1.0	Surface	1	2	20.60	8.30	31.7		7.0	12.9	14.5	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS5	14:32:13	4.7	Middle	2	1	20.55	8.30	31.9		6.9	16.4	18.6	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS5	14:32:41	4.7	Middle	2	2	20.55	8.31	31.9		6.9	16.6	19.8	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS5	14:33:14	8.4	Bottom	3	1	20.58	8.31	32.0		6.8	18.6	22.9	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS5	14:34:21	8.4	Bottom	3	2	20.59	8.31	32.0		6.8	17.7	22.8	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS(Mf)6	14:21:40	1.0	Surface	1	1	20.37	8.28	31.6		7.0	24.6	22.1	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS(Mf)6	14:22:03	1.0	Surface	1	2	20.41	8.28	31.6		7.0	23.1	21.6	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS(Mf)6	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS(Mf)6	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS(Mf)6	14:22:50	2.2	Bottom	3	1	20.49	8.28	31.6		6.9	15.1	18.4	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS(Mf)6	14:23:22	2.2	Bottom	3	2	20.50	8.29	31.6		7.0	14.6	17.5	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS7	14:13:35	1.0	Surface	1	1	20.63	8.29	31.7		6.9	13.3	14.3	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS7	14:14:31	1.0	Surface	1	2	20.59	8.29	31.7		6.9	13.6	15.4	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS7	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS7	14:15:02	2.4	Bottom	3	1	20.58	8.29	31.7		6.9	15.0	17.8	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS7	14:15:39	2.4	Bottom	3	2	20.59	8.29	31.7		6.9	14.2	17.9	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS8	13:55:14	1.0	Surface	1	1	20.82	8.29	31.9		6.8	7.2	7.1	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS8	13:55:55	1.0	Surface	1	2	20.82	8.29	31.9		6.8	7.3	8.8	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS8	13:56:34	3.1	Bottom	3	1	20.78	8.29	31.9		6.8	7.6	8.3	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS8	13:57:14	3.1	Bottom	3	2	20.78	8.29	31.9		6.7	7.6	8.1	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS(Mf)9	14:04:07	1.0	Surface	1	1	20.71	8.30	31.9		6.8	6.4	5.9	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS(Mf)9	14:04:31	1.0	Surface	1	2	20.73	8.30	31.9		6.9	6.9	7.5	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS(Mf)9	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS(Mf)9	14:05:03	2.8	Bottom	3	1	20.70	8.30	32.0		6.9	8.7	8.0	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS(Mf)9	14:05:37	2.8	Bottom	3	2	20.70	8.30	32.0		6.9	8.3	8.0	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS10	16:29:22	1.0	Surface	1	1	20.58	8.27	31.7		6.9	23.8	37.4	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS10	16:29:45	1.0	Surface	1	2	20.58	8.27	31.7		6.9	24.9	36.2	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS10	16:30:36	6.1	Middle	2	1	20.76	8.29	31.9		6.9	18.1	26.7	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS10	16:31:19	6.1	Middle	2	2	20.74	8.29	31.9		6.9	17.9	27.6	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS10	16:32:06	11.2	Bottom	3	1	20.90	8.30	32.1		6.8	12.1	13.6	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	IS10	16:33:02	11.2	Bottom	3	2	20.90	8.30	32.1		6.8	11.8	14.2	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR3	14:42:41	0.8	Middle	2	1	20.76	8.31	31.9		7.0	12.0	10.6	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR3	14:43:21	0.8	Middle	2	2	20.78	8.31	31.9		7.0	11.3	11.4	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR4	13:46:40	1.0	Surface	1	1	20.96	8.27	31.9		6.5	15.9	17.7	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR4	13:47:21	1.0	Surface	1	2	20.96	8.27	31.9		6.5	16.4	16.4	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR4	13:47:56	2.5	Bottom	3	1	20.97	8.27	31.9		6.5	16.6	17.7	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR4	13:48:30	2.5	Bottom	3	2	20.97	8.27	31.9		6.4	16.4	16.3	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR5	16:14:15	1.0	Surface	1	1	20.84	8.30	32.0		7.0	15.2	14.9	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR5	16:15:10	1.0	Surface	1	2	20.88	8.30	32.0		6.9	13.3	14.2	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR5	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR5	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR5	16:15:51	4.8	Bottom	3	1	20.82	8.30	32.1		6.9	18.1	23.9	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR5	16:16:37	4.8	Bottom	3	2	20.82	8.30	32.1		6.9	18.8	22.5	

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	2012-12-08	Mid-Flood	Cloudy	SR10A	12:55:59	1.0	Surface	1	1	21.31	8.23	32.5		6.4	4.3	3.4	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR10A	12:56:58	1.0	Surface	1	2	21.31	8.24	32.6		6.3	4.2	4.5	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR10A	12:58:00	5.4	Middle	2	1	21.33	8.26	32.6		6.3	4.4	3.4	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR10A	12:58:35	5.4	Middle	2	2	21.33	8.26	32.6		6.3	4.6	4.1	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR10A	12:59:42	9.7	Bottom	3	1	21.35	8.27	32.6		6.3	5.4	6.6	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR10A	13:00:06	9.7	Bottom	3	2	21.35	8.27	32.6		6.3	5.6	7.1	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR10B	13:07:14	1.0	Surface	1	1	21.50	8.27	32.8		6.4	4.9	3.6	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR10B	13:07:53	1.0	Surface	1	2	21.50	8.28	32.8		6.3	5.3	4.8	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR10B	13:09:23	4.1	Middle	2	1	21.50	8.28	32.8		6.3	5.0	4.9	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR10B	13:09:57	4.1	Middle	2	2	21.50	8.28	32.8		6.3	5.1	5.0	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR10B	13:10:48	7.2	Bottom	3	1	21.50	8.28	32.8		6.2	5.2	5.4	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	SR10B	13:11:42	7.2	Bottom	3	2	21.51	8.28	32.8		6.2	5.1	5.0	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	CS2	15:30:06	1.0	Surface	1	1	21.44	8.37	32.5		7.1	4.7	4.3	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	CS2	15:30:50	1.0	Surface	1	2	21.43	8.37	32.5		7.1	4.7	3.7	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	CS2	15:31:22	3.9	Middle	2	1	21.48	8.39	33.2		6.9	18.5	24.6	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	CS2	15:31:59	3.9	Middle	2	2	21.48	8.39	33.1		6.9	17.5	24.3	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	CS2	15:32:35	6.7	Bottom	3	1	21.49	8.39	33.2		6.8	25.9	31.1	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	CS2	15:35:16	6.7	Bottom	3	2	21.50	8.39	33.2		6.8	28.4	32.1	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	CS(Mf)5	13:27:39	1.0	Surface	1	1	21.08	8.27	32.2		6.5	4.4	3.3	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	CS(Mf)5	13:28:24	1.0	Surface	1	2	21.08	8.27	32.2		6.5	4.6	3.6	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	CS(Mf)5	13:29:24	6.8	Middle	2	1	21.28	8.27	32.5		6.3	8.2	5.0	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	CS(Mf)5	13:30:00	6.8	Middle	2	2	21.25	8.27	32.5		6.2	7.0	5.0	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	CS(Mf)5	13:31:20	12.5	Bottom	3	1	21.35	8.27	32.5		6.2	13.0	17.9	
HKLR	HY/2011/03	2012-12-08	Mid-Flood	Cloudy	CS(Mf)5	13:31:56	12.5	Bottom	3	2	21.35	8.27	32.5		6.2	13.2	18.3	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS5	10:13:24	1.0	Surface	1	1	20.78	8.33	32.3		6.9	12.4	9.9	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS5	10:14:20	1.0	Surface	1	2	20.78	8.33	32.3		6.9	12.1	8.3	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS5	10:14:57	4.9	Middle	2	1	20.81	8.34	32.3		6.8	14.0	12.5	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS5	10:15:28	4.9	Middle	2	2	20.81	8.34	32.3		6.8	14.3	12	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS5	10:16:14	8.8	Bottom	3	1	20.82	8.34	32.3		6.8	17.2	12.6	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS5	10:16:52	8.8	Bottom	3	2	20.82	8.34	32.3		6.8	16.2	12.5	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS(Mf)6	10:03:34	1.0	Surface	1	1	20.66	8.32	32.2		7.0	17.8	19.7	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS(Mf)6	10:04:09	1.0	Surface	1	2	20.67	8.32	32.2		7.0	16.6	18	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS(Mf)6	--	2.5	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS(Mf)6	--	2.5	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS(Mf)6	10:04:45	2.5	Bottom	3	1	20.65	8.32	32.2		6.9	18.8	18.5	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS(Mf)6	10:05:26	2.5	Bottom	3	2	20.62	8.32	32.2		6.9	20.4	17.8	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS7	09:54:42	1.0	Surface	1	1	20.37	8.31	32.1		7.1	23.2	32	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS7	09:55:21	1.0	Surface	1	2	20.38	8.32	32.1		7.1	24.3	30.9	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS7	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS7	09:56:01	2.6	Bottom	3	1	20.39	8.32	32.1		7.0	25.3	29.7	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS7	09:56:34	2.6	Bottom	3	2	20.39	8.32	32.1		7.0	23.9	28	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS8	09:35:55	1.0	Surface	1	1	20.63	8.28	32.1		6.9	12.1	9	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS8	09:36:27	1.0	Surface	1	2	20.63	8.28	32.1		6.8	12.4	8.8	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS8	09:37:20	3.5	Bottom	3	1	20.64	8.29	32.1		6.8	12.8	9.1	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS8	09:37:49	3.5	Bottom	3	2	20.63	8.29	32.1		6.8	12.8	10	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS(Mf)9	09:45:59	1.0	Surface	1	1	20.44	8.28	32.0		6.9	18.9	14.9	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS(Mf)9	09:46:43	1.0	Surface	1	2	20.44	8.28	32.0		6.9	17.5	15	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS(Mf)9	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS(Mf)9	09:47:16	3.0	Bottom	3	1	20.44	8.28	32.0		6.9	19.2	16	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS(Mf)9	09:47:49	3.0	Bottom	3	2	20.44	8.29	32.0		6.9	18.1	17.5	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS10	12:16:07	1.0	Surface	1	1	21.02	8.33	32.3		7.0	14.7	9.7	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS10	12:17:04	1.0	Surface	1	2	21.02	8.34	32.3		7.0	13.4	8.8	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS10	12:17:57	5.4	Middle	2	1	21.00	8.34	32.3		6.9	12.9	10	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS10	12:18:34	5.4	Middle	2	2	20.96	8.34	32.3		6.9	12.8	9.3	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS10	12:19:19	9.8	Bottom	3	1	20.93	8.34	32.3		6.9	14.3	10.2	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	IS10	12:20:13	9.8	Bottom	3	2	20.93	8.34	32.3		6.9	14.3	11.4	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR3	10:25:47	0.7	Middle	2	1	20.48	8.32	32.1		7.0	11.7	7.8	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR3	10:26:32	0.7	Middle	2	2	20.48	8.32	32.1		7.0	11.9	7.9	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR4	09:23:39	1.0	Surface	1	1	20.38	8.26	31.8		6.7	11.2	8.2	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR4	09:24:21	1.0	Surface	1	2	20.38	8.26	31.8		6.7	11.8	7.7	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR4	09:25:36	3.0	Bottom	3	1	20.40	8.26	31.9		6.6	12.5	8.2	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR4	09:26:09	3.0	Bottom	3	2	20.40	8.26	31.9		6.6	12.5	8.8	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR5	12:00:20	1.0	Surface	1	1	21.18	8.34	32.3		7.0	13.4	11.2	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR5	12:00:52	1.0	Surface	1	2	21.11	8.34	32.3		7.0	13.6	10.7	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR5	--	--	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	2012-12-10	Mid-Ebb	Cloudy	SR5	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR5	12:01:31	4.3	Bottom	3	1	21.01	8.34	32.3		6.9	18.0	24.8	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR5	12:02:09	4.3	Bottom	3	2	21.01	8.34	32.3		6.9	18.7	26	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR10A	08:31:00	1.0	Surface	1	1	21.33	8.17	32.6		6.3	14.5	4.6	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR10A	08:31:52	1.0	Surface	1	2	21.34	8.19	32.6		6.1	9.0	5.2	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR10A	08:32:42	5.5	Middle	2	1	21.34	8.20	32.6		6.1	9.3	7.9	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR10A	08:33:23	5.5	Middle	2	2	21.34	8.20	32.6		6.1	8.7	9.1	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR10A	08:34:06	9.9	Bottom	3	1	21.34	8.21	32.6		6.1	9.1	6.1	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR10A	08:34:48	9.9	Bottom	3	2	21.34	8.21	32.6		6.1	8.5	7.5	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR10B	08:42:31	1.0	Surface	1	1	21.33	8.24	32.6		6.3	10.3	6.9	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR10B	08:43:13	1.0	Surface	1	2	21.32	8.25	32.6		6.2	10.1	6.6	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR10B	08:45:02	4.4	Middle	2	1	21.32	8.25	32.6		6.2	10.8	7.1	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR10B	08:46:06	4.4	Middle	2	2	21.31	8.25	32.6		6.2	10.0	6.2	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR10B	08:46:45	7.7	Bottom	3	1	21.31	8.25	32.6		6.2	10.1	6.7	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	SR10B	08:47:48	7.7	Bottom	3	2	21.31	8.25	32.6		6.2	10.8	6.5	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	CS2	11:09:47	1.0	Surface	1	1	21.19	8.37	32.6		7.1	9.9	5.6	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	CS2	11:10:23	1.0	Surface	1	2	21.19	8.37	32.5		7.0	10.1	4.9	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	CS2	11:11:06	3.6	Middle	2	1	21.26	8.38	32.7		7.0	10.7	8.7	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	CS2	11:11:57	3.6	Middle	2	2	21.24	8.38	32.7		7.0	10.5	9.8	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	CS2	11:12:30	6.2	Bottom	3	1	21.34	8.39	32.9		6.9	13.4	9.6	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	CS2	11:13:10	6.2	Bottom	3	2	21.35	8.39	32.9		6.9	13.7	10.6	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	CS(Mf)5	09:04:45	1.0	Surface	1	1	21.17	8.26	32.5		6.5	8.6	7.8	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	CS(Mf)5	09:05:21	1.0	Surface	1	2	21.17	8.26	32.5		6.4	8.5	7	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	CS(Mf)5	09:06:25	6.9	Middle	2	1	21.22	8.26	32.5		6.3	8.9	10.2	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	CS(Mf)5	09:07:04	6.9	Middle	2	2	21.20	8.26	32.5		6.3	8.6	9.1	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	CS(Mf)5	09:08:39	12.8	Bottom	3	1	21.30	8.26	32.6		6.2	9.4	3.6	
HKLR	HY/2011/03	2012-12-10	Mid-Ebb	Cloudy	CS(Mf)5	09:09:17	12.8	Bottom	3	2	21.29	8.26	32.6		6.2	9.3	3.9	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS5	16:09:15	1.0	Surface	1	1	20.62	8.33	32.2		7.2	12.3	10.8	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS5	16:10:06	1.0	Surface	1	2	20.68	8.33	32.3		7.1	10.4	11.5	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS5	16:10:55	4.8	Middle	2	1	20.69	8.33	32.3		7.1	11.6	12.6	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS5	16:11:34	4.8	Middle	2	2	20.69	8.33	32.3		7.1	12.6	14	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS5	16:12:19	8.6	Bottom	3	1	20.78	8.34	32.3		7.0	11.4	11.4	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS5	16:13:01	8.6	Bottom	3	2	20.77	8.33	32.3		7.0	11.0	10	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS(Mf)6	16:00:16	1.0	Surface	1	1	20.65	8.32	32.2		7.2	12.2	14.2	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS(Mf)6	16:00:56	1.0	Surface	1	2	20.64	8.32	32.2		7.2	11.6	14.9	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS(Mf)6	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS(Mf)6	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS(Mf)6	16:01:42	2.6	Bottom	3	1	20.65	8.32	32.2		7.1	14.3	11.3	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS(Mf)6	16:02:18	2.6	Bottom	3	2	20.65	8.31	32.2		7.1	14.7	11.4	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS7	15:51:15	1.0	Surface	1	1	20.75	8.35	32.3		7.3	8.1	8.7	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS7	15:52:02	1.0	Surface	1	2	20.76	8.35	32.3		7.2	8.0	7.8	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS7	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS7	15:52:26	2.9	Bottom	3	1	20.75	8.35	32.3		7.2	9.0	8.9	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS7	15:53:10	2.9	Bottom	3	2	20.75	8.35	32.3		7.2	9.4	7.7	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS8	15:32:49	1.0	Surface	1	1	20.95	8.33	32.3		7.1	7.1	6.2	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS8	15:33:34	1.0	Surface	1	2	20.96	8.33	32.3		7.1	7.0	6.3	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS8	15:33:59	3.4	Bottom	3	1	20.96	8.33	32.4		7.0	6.5	8.4	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS8	15:34:21	3.4	Bottom	3	2	20.96	8.34	32.4		7.0	6.5	7.3	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS(Mf)9	15:42:01	1.0	Surface	1	1	20.91	8.33	32.4		7.1	7.2	6.5	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS(Mf)9	15:42:49	1.0	Surface	1	2	20.91	8.33	32.4		7.0	7.2	6.6	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS(Mf)9	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS(Mf)9	15:43:22	3.1	Bottom	3	1	20.94	8.33	32.4		7.0	7.9	7.9	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS(Mf)9	15:43:53	3.1	Bottom	3	2	20.93	8.33	32.4		7.0	8.0	8.5	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS10	18:04:13	1.0	Surface	1	1	20.88	8.33	32.4		7.1	13.2	16.1	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS10	18:04:47	1.0	Surface	1	2	20.89	8.33	32.4		7.0	14.5	16.2	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS10	18:05:21	6.4	Middle	2	1	20.88	8.34	32.4		7.0	13.6	18.3	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS10	18:05:48	6.4	Middle	2	2	20.89	8.34	32.4		6.9	15.4	18.2	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS10	18:06:28	11.8	Bottom	3	1	20.89	8.34	32.4		6.9	16.7	19.1	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	IS10	18:06:50	11.8	Bottom	3	2	20.89	8.34	32.4		6.9	17.6	18	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR3	16:20:26	1.0	Middle	2	1	20.74	8.33	32.3		7.1	11.0	9.3	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR3	16:21:16	1.0	Middle	2	2	20.75	8.33	32.3		7.0	10.2	10.3	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR4	15:23:32	1.0	Surface	1	1	20.60	8.29	32.2		6.8	11.0	12.8	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR4	15:24:11	1.0	Surface	1	2	20.60	8.30	32.2		6.8	11.0	11.1	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR4	15:24:50	3.0	Bottom	3	1	20.60	8.30	32.2		6.8	10.6	10.4	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR4	15:25:17	3.0	Bottom	3	2	20.61	8.30	32.2		6.8	10.2	10.7	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR5	17:48:03	1.0	Surface	1	1	20.77	8.33	32.4		7.1	15.7	16.3	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR5	17:48:42	1.0	Surface	1	2	20.77	8.33	32.3		7.1	16.2	15.6	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR5	17:49:19	3.3	Middle	2	1	20.79	8.33	32.4		7.0	17.0	17.7	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR5	17:49:55	3.3	Middle	2	2	20.76	8.33	32.4		7.0	15.8	16.7	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR5	17:50:45	5.5	Bottom	3	1	20.81	8.33	32.4		7.0	17.7	18.3	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR5	17:51:29	5.5	Bottom	3	2	20.81	8.33	32.4		7.0	16.7	19.1	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR10A	14:22:43	1.0	Surface	1	1	21.39	8.21	32.8		6.4	12.7	3.5	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR10A	14:23:13	1.0	Surface	1	2	21.39	8.22	32.8		6.4	12.6	2.1	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR10A	14:24:00	5.3	Middle	2	1	21.38	8.25	32.8		6.3	12.6	2.2	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR10A	14:24:32	5.3	Middle	2	2	21.39	8.25	32.8		6.3	12.5	2.2	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR10A	14:25:23	9.6	Bottom	3	1	21.37	8.26	32.8		6.3	12.6	3.2	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR10A	14:25:50	9.6	Bottom	3	2	21.38	8.26	32.8		6.3	12.7	2.8	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR10B	14:35:27	1.0	Surface	1	1	21.36	8.27	32.8		6.4	14.0	4.7	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR10B	14:36:12	1.0	Surface	1	2	21.35	8.27	32.8		6.3	14.2	5.2	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR10B	14:37:00	4.3	Middle	2	1	21.35	8.27	32.8		6.3	14.2	5.1	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR10B	14:37:46	4.3	Middle	2	2	21.35	8.27	32.8		6.3	14.1	5.6	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR10B	14:38:33	7.6	Bottom	3	1	21.35	8.27	32.8		6.3	14.2	5.2	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	SR10B	14:39:12	7.6	Bottom	3	2	21.35	8.27	32.8		6.3	14.5	6.2	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	CS2	17:04:49	1.0	Surface	1	1	21.54	8.41	33.0		7.1	8.6	10	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	CS2	17:05:31	1.0	Surface	1	2	21.53	8.41	33.0		7.1	9.5	10.5	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	CS2	17:06:02	4.1	Middle	2	1	21.55	8.41	33.0		7.1	12.0	12.4	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	CS2	17:06:43	4.1	Middle	2	2	21.55	8.41	33.0		7.0	12.9	13.9	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	CS2	17:07:16	7.1	Bottom	3	1	21.55	8.41	33.0		7.0	13.5	13.2	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	CS2	17:07:54	7.1	Bottom	3	2	21.56	8.41	33.0		7.0	15.7	13.4	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	CS(Mf)5	15:01:43	1.0	Surface	1	1	21.22	8.27	32.6		6.6	3.8	4	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	CS(Mf)5	15:02:35	1.0	Surface	1	2	21.21	8.27	32.6		6.6	3.8	3.6	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	CS(Mf)5	15:04:24	6.8	Middle	2	1	21.22	8.27	32.7		6.4	4.4	6.8	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	CS(Mf)5	15:05:09	6.8	Middle	2	2	21.22	8.27	32.7		6.4	5.5	6.3	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	CS(Mf)5	15:09:22	12.6	Bottom	3	1	21.25	8.27	32.8		6.3	9.4	10.3	
HKLR	HY/2011/03	2012-12-10	Mid-Flood	Cloudy	CS(Mf)5	15:10:06	12.6	Bottom	3	2	21.25	8.28	32.8		6.3	8.6	9.8	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS5	12:11:13	1.0	Surface	1	1	20.62	8.34	32.1		7.0	14.8	13.6	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS5	12:12:25	1.0	Surface	1	2	20.64	8.34	32.0		7.0	15.7	14.1	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS5	12:13:35	4.8	Middle	2	1	20.60	8.34	32.1		7.0	16.2	15.1	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS5	12:14:16	4.8	Middle	2	2	20.60	8.34	32.1		7.0	15.9	14.8	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS5	12:17:35	8.6	Bottom	3	1	20.61	8.34	32.1		7.0	19.6	13.1	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS5	12:18:05	8.6	Bottom	3	2	20.61	8.34	32.1		7.0	16.6	13.5	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS(Mf)6	12:02:37	1.0	Surface	1	1	20.66	8.33	32.2		7.1	16.5	15.4	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS(Mf)6	12:03:24	1.0	Surface	1	2	20.66	8.33	32.2		7.1	16.6	15.1	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS(Mf)6	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS(Mf)6	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS(Mf)6	12:03:49	2.1	Bottom	3	1	20.63	8.33	32.2		7.1	21.2	15.4	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS(Mf)6	12:04:30	2.1	Bottom	3	2	20.63	8.33	32.2		7.1	19.8	14.8	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS7	11:53:18	1.0	Surface	1	1	20.57	8.32	32.0		7.2	15.5	11.9	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS7	11:54:24	1.0	Surface	1	2	20.58	8.32	32.0		7.1	15.3	12.3	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS7	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS7	11:55:22	2.4	Bottom	3	1	20.49	8.32	32.0		7.1	18.7	22.1	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS7	11:55:52	2.4	Bottom	3	2	20.51	8.32	32.0		7.1	17.4	22.5	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS8	11:32:11	1.0	Surface	1	1	20.72	8.33	31.8		7.1	11.9	6.5	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS8	11:33:08	1.0	Surface	1	2	20.73	8.33	31.8		7.1	11.0	7.8	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS8	11:34:15	3.3	Bottom	3	1	20.62	8.32	31.8		7.0	13.5	7.5	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS8	11:34:45	3.3	Bottom	3	2	20.63	8.32	31.8		7.0	13.4	7.6	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS(Mf)9	11:41:16	1.0	Surface	1	1	20.67	8.32	31.8		7.2	10.6	5.7	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS(Mf)9	11:41:54	1.0	Surface	1	2	20.67	8.32	31.8		7.1	10.4	6	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS(Mf)9	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS(Mf)9	11:42:28	2.8	Bottom	3	1	20.49	8.31	31.9		7.0	15.2	12.4	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS(Mf)9	11:43:18	2.8	Bottom	3	2	20.48	8.31	31.9		7.0	15.6	11.4	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS10	14:22:36	1.0	Surface	1	1	20.90	8.30	31.6		7.1	10.5	6	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS10	14:23:10	1.0	Surface	1	2	20.89	8.31	31.6		7.0	11.0	5	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS10	14:24:11	6.0	Middle	2	1	20.75	8.31	31.8		6.9	12.5	9.6	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS10	14:24:52	6.0	Middle	2	2	20.74	8.31	31.8		6.9	12.8	10.5	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS10	14:25:32	11.0	Bottom	3	1	20.67	8.31	31.9		6.9	13.9	10.4	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	IS10	14:26:11	11.0	Bottom	3	2	20.65	8.31	31.9		6.9	15.3	9.4	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR3	12:28:00	0.6	Middle	2	1	20.76	8.34	32.2		7.2	14.2	10.7	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR3	12:28:34	0.6	Middle	2	2	20.77	8.34	32.2		7.2	14.7	10.6	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR4	11:23:27	1.0	Surface	1	1	20.48	8.29	31.5		7.0	12.0	7.9	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR4	11:24:12	1.0	Surface	1	2	20.47	8.29	31.5		7.0	11.9	7.8	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR4	--	--	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	2012-12-12	Mid-Ebb	Cloudy	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR4	11:24:42	2.8	Bottom	3	1	20.55	8.29	31.7		6.9	13.3	7.9	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR4	11:25:14	2.8	Bottom	3	2	20.55	8.29	31.7		6.9	14.0	8.3	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR5	14:06:32	1.0	Surface	1	1	21.00	8.31	31.8		7.0	12.9	9.4	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR5	14:07:15	1.0	Surface	1	2	20.98	8.31	31.8		7.0	13.9	8.2	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR5	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR5	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR5	14:08:11	4.4	Bottom	3	1	20.82	8.31	31.8		6.9	14.4	10.3	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR5	14:09:01	4.4	Bottom	3	2	20.85	8.31	31.8		6.9	14.4	10.6	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR10A	10:29:57	1.0	Surface	1	1	21.08	8.18	32.5		6.3	5.8	6.4	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR10A	10:30:51	1.0	Surface	1	2	21.09	8.20	32.5		6.2	5.9	7.1	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR10A	10:31:52	5.4	Middle	2	1	21.07	8.21	32.5		6.2	9.2	10.9	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR10A	10:32:18	5.4	Middle	2	2	21.07	8.21	32.5		6.2	8.5	11.2	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR10A	10:32:59	9.8	Bottom	3	1	21.08	8.21	32.5		6.2	10.0	12.8	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR10A	10:33:30	9.8	Bottom	3	2	21.08	8.22	32.5		6.2	9.8	12.6	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR10B	10:42:03	1.0	Surface	1	1	21.01	8.23	32.5		6.4	7.7	5.8	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR10B	10:42:27	1.0	Surface	1	2	21.02	8.23	32.5		6.4	7.2	6.4	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR10B	10:43:22	4.0	Middle	2	1	21.02	8.23	32.4		6.3	8.5	6	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR10B	10:44:16	4.0	Middle	2	2	21.02	8.23	32.5		6.4	8.4	5.2	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR10B	10:45:03	7.0	Bottom	3	1	21.01	8.24	32.4		6.3	9.4	9.7	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	SR10B	10:46:24	7.0	Bottom	3	2	21.02	8.24	32.4		6.3	8.5	9.4	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	CS2	13:15:15	1.0	Surface	1	1	20.95	8.31	31.5		7.1	10.5	5.2	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	CS2	13:16:01	1.0	Surface	1	2	20.97	8.31	31.5		7.1	10.2	5.2	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	CS2	13:16:41	3.5	Middle	2	1	20.91	8.34	32.0		7.1	11.7	7.2	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	CS2	13:17:05	3.5	Middle	2	2	20.91	8.34	31.9		7.1	11.9	6.4	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	CS2	13:17:43	6.0	Bottom	3	1	20.66	8.34	32.4		7.0	15.2	11.1	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	CS2	13:18:04	6.0	Bottom	3	2	20.66	8.34	32.4		7.0	15.5	10.7	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	CS(Mf)5	11:02:31	1.0	Surface	1	1	21.07	8.24	32.5		6.5	9.0	4.7	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	CS(Mf)5	11:03:27	1.0	Surface	1	2	21.07	8.24	32.5		6.4	8.9	4.3	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	CS(Mf)5	11:04:30	6.7	Middle	2	1	21.05	8.24	32.5		6.3	9.5	5.1	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	CS(Mf)5	11:05:07	6.7	Middle	2	2	21.04	8.24	32.5		6.3	9.7	5.6	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	CS(Mf)5	11:06:20	12.4	Bottom	3	1	21.05	8.25	32.5		6.2	10.6	6.7	
HKLR	HY/2011/03	2012-12-12	Mid-Ebb	Cloudy	CS(Mf)5	11:06:57	12.4	Bottom	3	2	21.05	8.24	32.5		6.2	10.9	6.8	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS5	18:07:29	1.0	Surface	1	1	20.70	8.34	32.3		7.1	8.3	7.9	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS5	18:08:21	1.0	Surface	1	2	20.71	8.35	32.3		7.1	8.8	8.5	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS5	18:10:14	5.3	Middle	2	1	20.71	8.35	32.3		7.1	11.6	8.3	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS5	18:10:48	5.3	Middle	2	2	20.72	8.35	32.3		7.1	10.2	7.5	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS5	18:11:28	9.5	Bottom	3	1	20.71	8.35	32.3		7.1	18.1	16.8	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS5	18:12:32	9.5	Bottom	3	2	20.71	8.35	32.3		7.1	18.6	17.5	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS(Mf)6	17:55:13	1.0	Surface	1	1	20.77	8.34	32.2		7.3	12.0	10	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS(Mf)6	17:55:56	1.0	Surface	1	2	20.79	8.35	32.2		7.3	12.2	9.8	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS(Mf)6	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS(Mf)6	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS(Mf)6	17:58:08	2.9	Bottom	3	1	20.76	8.35	32.2		7.3	10.6	13	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS(Mf)6	17:58:36	2.9	Bottom	3	2	20.76	8.35	32.2		7.3	10.4	13.2	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS7	17:44:48	1.0	Surface	1	1	20.75	8.34	32.2		7.3	12.1	11.5	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS7	17:45:48	1.0	Surface	1	2	20.75	8.35	32.2		7.3	11.5	10.2	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS7	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS7	17:46:34	3.1	Bottom	3	1	20.76	8.35	32.2		7.2	12.9	12.4	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS7	17:47:12	3.1	Bottom	3	2	20.76	8.35	32.2		7.2	13.1	12.3	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS8	17:26:23	1.0	Surface	1	1	20.84	8.35	32.1		7.2	8.8	7.4	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS8	17:26:52	1.0	Surface	1	2	20.86	8.35	32.1		7.2	9.3	7.6	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS8	17:27:23	3.8	Bottom	3	1	20.86	8.35	32.1		7.2	9.3	9.5	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS8	17:28:00	3.8	Bottom	3	2	20.86	8.35	32.1		7.2	10.3	9.6	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS(Mf)9	17:35:21	1.0	Surface	1	1	20.79	8.34	32.1		7.1	13.9	11.2	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS(Mf)9	17:36:00	1.0	Surface	1	2	20.77	8.34	32.1		7.1	12.9	11.4	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS(Mf)9	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS(Mf)9	17:36:39	3.4	Bottom	3	1	20.79	8.34	32.1		7.1	13.1	13.8	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS(Mf)9	17:37:04	3.4	Bottom	3	2	20.79	8.34	32.1		7.1	13.7	13.5	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS10	20:30:02	1.0	Surface	1	1	20.73	8.33	32.1		7.1	11.2	14.1	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS10	20:30:35	1.0	Surface	1	2	20.73	8.33	32.1		7.1	12.6	15.3	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS10	20:31:42	7.1	Middle	2	1	20.73	8.34	32.1		7.1	16.0	18.1	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS10	20:32:29	7.1	Middle	2	2	20.73	8.34	32.1		7.0	14.5	18.7	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS10	20:34:07	13.1	Bottom	3	1	20.74	8.34	32.1		7.0	17.2	21	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	IS10	20:34:58	13.1	Bottom	3	2	20.74	8.34	32.2		7.1	17.2	22.5	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR3	18:23:01	1.1	Middle	2	1	20.63	8.34	32.3		7.1	9.1	9.4	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR3	18:23:29	1.1	Middle	2	2	20.62	8.35	32.3		7.1	9.4	10.6	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR4	17:18:52	1.0	Surface	1	1	20.83	8.32	32.1		7.1	15.6	17.6	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR4	17:19:31	1.0	Surface	1	2	20.82	8.32	32.1		7.0	16.8	18.2	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR4	17:20:14	3.3	Bottom	3	1	20.83	8.33	32.1		7.0	16.0	15.6	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR4	17:20:44	3.3	Bottom	3	2	20.82	8.33	32.1		7.0	15.9	15.9	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR5	20:12:20	1.0	Surface	1	1	20.80	8.33	32.0		7.1	12.9	12.4	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR5	20:12:48	1.0	Surface	1	2	20.79	8.33	32.0		7.1	12.5	11	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR5	20:13:36	3.7	Middle	2	1	20.81	8.33	32.1		7.0	13.8	13.7	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR5	20:14:08	3.7	Middle	2	2	20.82	8.33	32.1		7.0	13.9	14.3	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR5	20:14:51	6.4	Bottom	3	1	20.83	8.33	32.0		7.0	15.2	12.1	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR5	20:15:19	6.4	Bottom	3	2	20.82	8.33	32.0		7.0	14.4	11.8	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR10A	16:27:50	1.0	Surface	1	1	21.13	8.22	32.7		6.5	4.5	3.7	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR10A	16:28:51	1.0	Surface	1	2	21.13	8.24	32.7		6.4	4.0	3.1	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR10A	16:29:40	5.4	Middle	2	1	21.13	8.24	32.7		6.3	5.1	3.6	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR10A	16:30:05	5.4	Middle	2	2	21.13	8.24	32.7		6.3	5.3	3.9	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR10A	16:30:47	9.8	Bottom	3	1	21.12	8.25	32.8		6.3	7.1	4.4	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR10A	16:31:13	9.8	Bottom	3	2	21.12	8.25	32.7		6.3	6.0	3.8	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR10B	16:38:12	1.0	Surface	1	1	21.11	8.25	32.8		6.5	7.1	6.1	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR10B	16:38:55	1.0	Surface	1	2	21.11	8.26	32.8		6.4	7.5	6.8	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR10B	16:40:46	4.1	Middle	2	1	21.11	8.26	32.8		6.3	7.2	8	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR10B	16:41:34	4.1	Middle	2	2	21.11	8.26	32.8		6.3	6.9	8.5	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR10B	16:42:40	7.2	Bottom	3	1	21.11	8.26	32.8		6.3	7.2	6	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	SR10B	16:43:16	7.2	Bottom	3	2	21.11	8.26	32.8		6.3	6.8	6.2	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	CS2	19:14:35	1.0	Surface	1	1	20.64	8.35	32.5		7.1	23.1	19.9	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	CS2	19:18:37	1.0	Surface	1	2	20.65	8.35	32.5		7.3	22.6	19.1	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	CS2	19:22:47	4.5	Middle	2	1	20.69	8.35	32.5		7.0	37.5	36	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	CS2	19:23:28	4.5	Middle	2	2	20.69	8.35	32.5		7.0	40.3	33.2	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	CS2	19:24:31	7.9	Bottom	3	1	20.69	8.35	32.5		7.0	54.8	46	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	CS2	19:30:08	7.9	Bottom	3	2	20.71	8.35	32.5		7.1	54.2	48	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	CS(Mf)5	16:59:54	1.0	Surface	1	1	21.14	8.29	32.6		6.8	3.7	2.4	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	CS(Mf)5	17:00:23	1.0	Surface	1	2	21.14	8.29	32.6		6.7	3.9	2.7	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	CS(Mf)5	17:01:10	7.0	Middle	2	1	21.10	8.27	32.7		6.4	11.0	13.8	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	CS(Mf)5	17:01:51	7.0	Middle	2	2	21.10	8.27	32.7		6.4	10.9	14	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	CS(Mf)5	17:04:19	13.0	Bottom	3	1	21.08	8.27	32.7		6.3	22.3	12.6	
HKLR	HY/2011/03	2012-12-12	Mid-Flood	Cloudy	CS(Mf)5	17:04:46	13.0	Bottom	3	2	21.08	8.27	32.7		6.3	27.0	13.3	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS5	14:29:56	1.0	Surface	1	1	20.72	8.29	32.0		7.0	9.4	10.9	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS5	14:30:28	1.0	Surface	1	2	20.73	8.29	32.0		7.0	9.6	10.5	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS5	14:31:21	5.0	Middle	2	1	20.71	8.29	32.0		6.9	9.8	12.5	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS5	14:31:55	5.0	Middle	2	2	20.72	8.29	32.0		6.9	9.5	10.8	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS5	14:33:53	8.9	Bottom	3	1	20.69	8.30	32.1		6.9	10.3	11.9	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS5	14:34:30	8.9	Bottom	3	2	20.68	8.30	32.1		6.9	10.8	11.7	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS(Mf)6	14:20:47	1.0	Surface	1	1	20.76	8.32	32.3		7.2	18.2	25.9	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS(Mf)6	14:21:20	1.0	Surface	1	2	20.75	8.32	32.3		7.2	17.8	25.7	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS(Mf)6	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS(Mf)6	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS(Mf)6	14:21:50	2.0	Bottom	3	1	20.66	8.32	32.3		7.1	13.1	16.6	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS(Mf)6	14:22:14	2.0	Bottom	3	2	20.64	8.32	32.3		7.1	12.7	16.9	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS7	14:11:41	1.0	Surface	1	1	20.93	8.33	32.2		7.3	10.9	14.2	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS7	14:12:35	1.0	Surface	1	2	20.94	8.32	32.2		7.3	11.2	13.5	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS7	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS7	14:13:08	2.3	Bottom	3	1	20.93	8.32	32.2		7.3	11.1	15.4	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS7	14:13:39	2.3	Bottom	3	2	20.97	8.33	32.2		7.3	11.6	16.5	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS8	13:56:17	1.0	Surface	1	1	21.09	8.31	32.2		7.2	6.4	6.8	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS8	13:56:54	1.0	Surface	1	2	21.07	8.32	32.2		7.2	6.8	7.3	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS8	13:57:45	3.1	Bottom	3	1	20.71	8.31	32.2		7.0	13.9	15.7	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS8	13:58:20	3.1	Bottom	3	2	20.71	8.31	32.2		7.0	13.8	16.7	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS(Mf)9	14:04:39	1.0	Surface	1	1	21.07	8.32	32.2		7.3	6.8	7.5	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS(Mf)9	14:05:23	1.0	Surface	1	2	21.06	8.32	32.2		7.3	6.8	8.5	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS(Mf)9	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS(Mf)9	14:06:02	2.7	Bottom	3	1	20.87	8.31	32.2		7.2	7.1	7.3	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS(Mf)9	14:06:29	2.7	Bottom	3	2	20.85	8.31	32.2		7.1	7.0	6.7	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS10	16:46:43	1.0	Surface	1	1	20.96	8.21	29.6		6.8	6.5	7.6	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS10	16:47:29	1.0	Surface	1	2	20.95	8.21	29.6		6.7	6.9	9.1	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS10	16:48:10	5.9	Middle	2	1	20.94	8.23	30.4		6.7	9.0	11.4	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS10	16:48:42	5.9	Middle	2	2	20.94	8.23	30.4		6.8	9.2	10.1	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS10	16:49:24	10.8	Bottom	3	1	20.78	8.28	32.0		6.9	22.2	20.6	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	IS10	16:50:15	10.8	Bottom	3	2	20.78	8.29	32.0		6.9	24.7	18.9	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR3	14:41:50	0.6	Middle	2	1	21.03	8.33	32.3		7.3	13.9	15.4	

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	2012-12-14	Mid-Ebb	Cloudy	SR3	14:42:17	0.6	Middle	2	2	21.03	8.33	32.3		7.3	13.9	14.4	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR4	13:46:37	1.0	Surface	1	1	21.41	8.30	32.1		7.1	7.8	9.7	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR4	13:47:28	1.0	Surface	1	2	21.44	8.30	32.0		7.1	7.7	9.1	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR4	13:48:12	2.3	Bottom	3	1	21.07	8.30	32.2		7.0	9.3	9.8	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR4	13:48:46	2.3	Bottom	3	2	21.13	8.30	32.1		7.0	9.1	9.7	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR5	16:32:14	1.0	Surface	1	1	20.80	8.25	31.3		6.8	14.2	16.9	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR5	16:33:25	1.0	Surface	1	2	20.81	8.25	31.3		6.8	15.1	16.2	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR5	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR5	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR5	16:33:54	4.2	Bottom	3	1	20.75	8.25	31.4		6.7	16.0	18.6	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR5	16:34:31	4.2	Bottom	3	2	20.74	8.25	31.4		6.7	16.3	19.5	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR10A	12:58:31	1.0	Surface	1	1	21.04	8.22	32.5		6.6	6.9	8.7	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR10A	12:58:57	1.0	Surface	1	2	20.95	8.23	32.6		6.5	7.6	9.8	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR10A	12:59:48	5.4	Middle	2	1	20.91	8.23	32.7		6.4	7.9	9.4	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR10A	13:00:19	5.4	Middle	2	2	20.91	8.23	32.8		6.3	7.3	10	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR10A	13:00:49	9.8	Bottom	3	1	20.91	8.24	32.7		6.3	10.3	17	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR10A	13:01:26	9.8	Bottom	3	2	20.91	8.24	32.7		6.3	13.2	16.1	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR10B	13:08:36	1.0	Surface	1	1	20.98	8.25	32.7		6.5	9.1	10	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR10B	13:09:16	1.0	Surface	1	2	20.98	8.25	32.7		6.5	8.6	11.2	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR10B	13:09:53	4.1	Middle	2	1	20.96	8.25	32.7		6.5	8.3	12.2	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR10B	13:10:37	4.1	Middle	2	2	20.95	8.26	32.7		6.5	8.3	11.9	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR10B	13:12:13	7.1	Bottom	3	1	20.95	8.26	32.7		6.4	7.5	14.2	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	SR10B	13:12:37	7.1	Bottom	3	2	20.94	8.26	32.7		6.4	8.4	12.8	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	CS2	15:35:01	1.0	Surface	1	1	21.04	8.26	30.0		7.2	7.9	9.1	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	CS2	15:35:31	1.0	Surface	1	2	21.05	8.26	29.9		7.2	8.1	8.1	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	CS2	15:36:12	3.6	Middle	2	1	20.91	8.28	31.1		7.1	7.8	6.9	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	CS2	15:36:44	3.6	Middle	2	2	20.93	8.28	30.9		7.1	7.9	8.3	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	CS2	15:37:50	6.2	Bottom	3	1	20.59	8.30	32.2		6.9	10.9	8.8	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	CS2	15:38:32	6.2	Bottom	3	2	20.58	8.30	32.2		6.9	11.3	9.6	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	CS(Mf)5	13:29:14	1.0	Surface	1	1	21.21	8.27	32.2		6.7	5.6	5.7	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	CS(Mf)5	13:29:42	1.0	Surface	1	2	21.21	8.27	32.2		6.7	6.6	7.1	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	CS(Mf)5	13:30:23	6.8	Middle	2	1	20.85	8.28	32.4		6.7	6.9	8.2	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	CS(Mf)5	13:31:00	6.8	Middle	2	2	20.85	8.27	32.4		6.6	8.1	9.2	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	CS(Mf)5	13:31:45	12.6	Bottom	3	1	20.91	8.26	32.6		6.4	9.8	11.8	
HKLR	HY/2011/03	2012-12-14	Mid-Ebb	Cloudy	CS(Mf)5	13:32:27	12.6	Bottom	3	2	20.90	8.26	32.6		6.4	9.8	10.7	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS5	08:28:10	1.0	Surface	1	1	20.47	8.31	32.1		7.1	8.0	7.1	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS5	08:28:59	1.0	Surface	1	2	20.47	8.32	32.1		7.1	7.8	8.4	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS5	08:29:37	4.6	Middle	2	1	20.47	8.32	32.2		7.0	8.2	8.2	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS5	08:30:15	4.6	Middle	2	2	20.48	8.32	32.2		7.0	7.8	8.4	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS5	08:31:20	8.2	Bottom	3	1	20.47	8.32	32.2		7.0	8.8	8	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS5	08:32:40	8.2	Bottom	3	2	20.47	8.32	32.2		7.0	8.4	8.1	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS(Mf)6	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS(Mf)6	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS(Mf)6	08:21:25	1.4	Middle	2	1	20.48	8.31	32.1		7.1	25.3	26.5	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS(Mf)6	08:22:00	1.4	Middle	2	2	20.48	8.31	32.1		7.1	24.3	25.1	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS(Mf)6	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS(Mf)6	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS7	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS7	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS7	08:15:03	1.5	Middle	2	1	20.50	8.31	32.2		7.1	16.7	14.8	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS7	08:15:34	1.5	Middle	2	2	20.50	8.31	32.2		7.0	16.5	15	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS7	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS7	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS8	07:53:59	1.0	Surface	1	1	20.58	8.31	32.1		7.1	9.7	11.8	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS8	07:54:48	1.0	Surface	1	2	20.58	8.31	32.1		7.0	9.4	12.6	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS8	07:55:22	2.6	Bottom	3	1	20.58	8.31	32.1		7.0	10.3	10.1	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS8	07:56:23	2.6	Bottom	3	2	20.58	8.31	32.1		7.0	10.2	10.7	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS(Mf)9	08:04:03	1.0	Surface	1	1	20.57	8.29	31.8		7.0	16.2	16	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS(Mf)9	08:04:40	1.0	Surface	1	2	20.57	8.29	31.8		6.9	15.7	17.1	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS(Mf)9	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS(Mf)9	08:06:44	2.1	Bottom	3	1	20.56	8.29	31.9		6.9	19.0	24.9	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS(Mf)9	08:07:18	2.1	Bottom	3	2	20.56	8.29	31.9		6.9	18.7	23	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS10	10:41:08	1.0	Surface	1	1	20.67	8.28	31.9		6.9	14.7	17	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS10	10:41:37	1.0	Surface	1	2	20.68	8.28	31.9		6.9	14.6	16.3	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS10	10:42:14	5.9	Middle	2	1	20.64	8.29	32.0		6.9	16.3	17.1	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS10	10:43:06	5.9	Middle	2	2	20.66	8.29	32.0		6.9	16.4	18.3	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS10	10:44:13	10.7	Bottom	3	1	20.60	8.31	32.1		7.0	16.4	19.1	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	IS10	10:45:42	10.7	Bottom	3	2	20.66	8.29	32.0		6.9	15.5	20.3	

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	2012-12-14	Mid-Flood	Cloudy	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR3	08:41:23	0.5	Middle	2	1	20.54	8.32	32.2		7.1	10.4	10.2	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR3	08:42:04	0.5	Middle	2	2	20.54	8.32	32.2		7.1	9.9	10.4	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR4	07:45:56	1.0	Surface	1	1	20.57	8.30	32.0		7.0	16.0	19.1	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR4	07:47:00	1.0	Surface	1	2	20.57	8.31	32.0		7.0	16.2	19.1	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR4	07:47:31	2.2	Bottom	3	1	20.57	8.31	32.0		6.9	16.0	15.8	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR4	07:48:05	2.2	Bottom	3	2	20.57	8.31	32.0		6.9	15.1	14.6	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR5	10:25:06	1.0	Surface	1	1	20.92	8.27	31.3		6.9	9.9	9.5	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR5	10:25:39	1.0	Surface	1	2	20.95	8.26	31.3		6.9	10.1	8.3	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR5	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR5	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR5	10:26:20	4.7	Bottom	3	1	20.57	8.29	32.0		6.9	17.4	16.2	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR5	10:27:10	4.7	Bottom	3	2	20.58	8.29	32.0		6.9	16.6	15.9	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR10A	06:52:57	1.0	Surface	1	1	20.72	8.22	32.0		6.8	10.1	11	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR10A	06:53:32	1.0	Surface	1	2	20.72	8.23	32.0		6.8	9.9	10.3	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR10A	06:54:41	4.9	Middle	2	1	20.73	8.25	32.0		6.8	11.1	10.5	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR10A	06:55:12	4.9	Middle	2	2	20.73	8.25	32.0		6.8	10.7	11.2	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR10A	06:56:11	8.8	Bottom	3	1	20.73	8.26	32.0		6.7	10.8	14.3	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR10A	06:57:07	8.8	Bottom	3	2	20.74	8.26	32.0		6.8	11.3	14.3	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR10B	07:05:01	1.0	Surface	1	1	20.86	8.24	32.4		6.5	16.1	18.6	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR10B	07:05:43	1.0	Surface	1	2	20.86	8.25	32.4		6.5	15.7	20	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR10B	07:06:25	3.7	Middle	2	1	20.86	8.25	32.4		6.5	15.7	19.1	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR10B	07:07:06	3.7	Middle	2	2	20.86	8.25	32.4		6.5	16.1	19.2	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR10B	07:08:36	6.5	Bottom	3	1	20.86	8.25	32.4		6.5	15.7	19.4	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	SR10B	07:09:29	6.5	Bottom	3	2	20.87	8.25	32.4		6.5	15.2	19.9	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	CS2	09:31:48	1.0	Surface	1	1	20.80	8.25	31.1		6.8	14.2	10.8	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	CS2	09:32:22	1.0	Surface	1	2	20.80	8.25	31.1		6.8	14.1	10.7	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	CS2	09:34:02	3.8	Middle	2	1	20.75	8.26	31.5		6.7	47.1	45.2	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	CS2	09:34:57	3.8	Middle	2	2	20.75	8.26	31.5		6.7	45.4	45	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	CS2	09:38:27	6.7	Bottom	3	1	20.73	8.26	31.6		6.6	49.4	83.1	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	CS2	09:41:40	6.7	Bottom	3	2	20.72	8.26	31.6		6.7	50.1	82.6	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	CS(Mf)5	07:25:02	1.0	Surface	1	1	20.79	8.28	31.8		6.9	6.4	8.8	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	CS(Mf)5	07:25:43	1.0	Surface	1	2	20.81	8.27	31.8		6.8	7.0	7.1	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	CS(Mf)5	07:26:48	6.2	Middle	2	1	20.70	8.29	31.9		6.8	9.3	9.4	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	CS(Mf)5	07:27:52	6.2	Middle	2	2	20.70	8.29	31.9		6.8	10.3	10.5	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	CS(Mf)5	07:28:56	11.4	Bottom	3	1	20.56	8.31	32.1		6.9	23.0	19.3	
HKLR	HY/2011/03	2012-12-14	Mid-Flood	Cloudy	CS(Mf)5	07:29:37	11.4	Bottom	3	2	20.56	8.31	32.1		6.9	24.9	18.3	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS5	15:08:09	--	Surface	1	1	21.73	8.13	28.8		6.9	10.5	13.0	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS5	15:08:45	--	Surface	1	2	21.73	8.13	28.8		6.9	10.7	11.4	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS5	15:07:56	--	Middle	2	1	21.71	8.13	28.8		6.9	11.3	13.2	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS5	15:08:35	--	Middle	2	2	21.71	8.13	28.8		6.9	11.6	12.0	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS5	15:07:45	--	Bottom	3	1	21.71	8.13	28.8		6.9	11.0	11.6	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS5	15:08:22	--	Bottom	3	2	21.71	8.13	28.8		6.9	11.3	12.1	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS(Mf)6	15:16:28	--	Surface	1	1	21.90	8.13	28.7		7.1	13.0	15.7	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS(Mf)6	15:16:50	--	Surface	1	2	21.90	8.13	28.7		7.1	12.8	17.1	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	--	IS(Mf)6	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	--	IS(Mf)6	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS(Mf)6	15:16:13	--	Bottom	3	1	21.90	8.13	28.7		7.1	13.8	16.9	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS(Mf)6	15:16:38	--	Bottom	3	2	21.90	8.13	28.7		7.1	13.8	15.9	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS7	15:29:19	--	Surface	1	1	21.98	8.13	28.6		7.1	14.9	20.0	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS7	15:29:45	--	Surface	1	2	21.97	8.13	28.6		7.1	14.9	21.2	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	--	IS7	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	--	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS7	15:29:02	--	Bottom	3	1	21.97	8.13	28.6		7.1	14.2	25.9	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS7	15:29:31	--	Bottom	3	2	21.97	8.13	28.6		7.1	14.5	24.9	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS8	15:57:01	--	Surface	1	1	21.76	8.13	28.4		7.0	8.7	10.3	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS8	15:57:27	--	Surface	1	2	21.77	8.13	28.4		7.0	8.8	10.9	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	--	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	--	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS8	15:56:46	--	Bottom	3	1	21.74	8.13	28.5		7.0	9.3	12.8	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS8	15:57:14	--	Bottom	3	2	21.75	8.13	28.5		7.0	9.3	12.0	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS(Mf)9	15:40:05	--	Surface	1	1	21.69	8.13	28.4		7.0	9.2	11.7	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS(Mf)9	15:40:30	--	Surface	1	2	21.71	8.13	28.4		7.0	8.9	12.0	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	--	IS(Mf)9	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	--	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS(Mf)9	15:39:49	--	Bottom	3	1	21.69	8.13	28.4		7.0	9.3	11.1	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS(Mf)9	15:40:15	--	Bottom	3	2	21.71	8.13	28.4		7.0	9.1	11.6	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS10	15:00:52	--	Surface	1	1	21.65	8.02	29.0		7.0	6.0	10.9	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS10	15:01:53	--	Surface	1	2	21.66	8.01	29.0		6.8	6.3	11.5	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS10	15:00:35	--	Middle	2	1	21.49	8.02	29.2		6.9	5.8	13.6	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS10	15:01:26	--	Middle	2	2	21.56	8.02	29.1		6.8	6.4	12.5	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS10	15:00:22	--	Bottom	3	1	21.36	8.03	29.6		6.9	6.4	12.7	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	IS10	15:01:10	--	Bottom	3	2	21.39	8.02	29.5		6.7	6.5	11.2	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	--	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	--	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	SR3	15:01:01	--	Middle	2	1	21.86	8.17	28.7		7.1	7.8	11.3	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	SR3	15:01:17	--	Middle	2	2	21.86	8.17	28.7		7.1	7.5	10.0	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	--	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	--	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	SR4	15:51:15	--	Surface	1	1	21.78	8.13	28.5		7.0	9.3	11.4	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	SR4	15:51:41	--	Surface	1	2	21.74	8.12	28.5		6.9	9.5	11.2	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	--	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	--	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	SR4	15:51:01	--	Bottom	3	1	21.74	8.12	28.5		7.0	11.1	9.5	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	SR4	15:51:27	--	Bottom	3	2	21.74	8.12	28.5		7.0	10.7	9.3	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	SR5	15:14:31	--	Surface	1	1	21.45	8.01	29.0		7.0	7.4	11.1	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	SR5	15:15:03	--	Surface	1	2	21.47	8.01	28.8		6.7	7.2	9.9	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	--	SR5	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	--	SR5	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	SR5	15:14:12	--	Bottom	3	1	21.39	8.01	29.4		6.8	7.5	10.3	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	SR5	15:14:48	--	Bottom	3	2	21.40	8.01	29.4		6.7	7.9	9.0	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	SR10A	16:59:23	--	Surface	1	1	21.34	8.15	30.3		6.7	3.2	5.2	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	SR10A	17:00:03	--	Surface	1	2	21.35	8.15	30.2		6.8	3.2	4.9	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	SR10A	16:59:11	--	Middle	2	1	21.32	8.15	30.4		6.7	3.3	7.9	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	SR10A	16:59:51	--	Middle	2	2	21.33	8.15	30.3		6.7	3.2	8.7	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	SR10A	16:59:01	--	Bottom	3	1	21.32	8.15	30.5		6.7	3.2	5.3	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	SR10A	16:59:37	--	Bottom	3	2	21.33	8.15	30.4		6.7	3.2	6.2	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	SR10B	17:03:55	--	Surface	1	1	21.34	8.15	30.4		6.7	3.5	6.6	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	SR10B	17:04:17	--	Surface	1	2	21.34	8.15	30.4		6.7	3.3	5.9	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	--	SR10B	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	--	SR10B	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	SR10B	17:03:42	--	Bottom	3	1	21.34	8.15	30.4		6.7	3.5	6.6	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	SR10B	17:04:05	--	Bottom	3	2	21.34	8.15	30.5		6.7	3.5	6.9	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	CS2	15:38:22	--	Surface	1	1	21.37	7.98	28.7		6.8	9.4	11.4	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	CS2	15:39:39	--	Surface	1	2	21.39	8.01	28.6		6.8	9.2	12.4	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	CS2	15:37:58	--	Middle	2	1	21.33	7.98	28.7		6.6	9.8	9.3	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	CS2	15:39:16	--	Middle	2	2	21.35	8.00	28.7		6.6	9.6	10.8	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	CS2	15:37:31	--	Bottom	3	1	21.20	8.00	29.7		6.5	10.8	8.2	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	CS2	15:38:57	--	Bottom	3	2	21.27	8.01	29.7		6.6	10.4	9.9	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	CS(Mf)5	16:31:43	--	Surface	1	1	21.39	8.14	29.9		6.7	5.4	6.2	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	CS(Mf)5	16:32:24	--	Surface	1	2	21.40	8.14	29.9		6.7	5.2	5.3	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	CS(Mf)5	16:31:32	--	Middle	2	1	21.31	8.14	30.4		6.6	6.2	5.5	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	CS(Mf)5	16:32:12	--	Middle	2	2	21.30	8.14	30.4		6.6	5.8	7.3	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	CS(Mf)5	16:31:18	--	Bottom	3	1	21.25	8.14	30.9		6.6	6.5	7.8	
HKLR	HY/2011/03	2012-12-17	Mid-Ebb	Fine	CS(Mf)5	16:32:02	--	Bottom	3	2	21.28	8.14	30.7		6.6	6.0	6.3	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS5	11:27:08	--	Surface	1	1	21.87	8.12	28.8		6.9	10.8	16.6	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS5	11:27:49	--	Surface	1	2	21.87	8.12	28.8		6.9	10.9	17.0	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS5	11:26:54	--	Middle	2	1	21.66	8.12	28.8		6.9	10.6	16.1	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS5	11:27:34	--	Middle	2	2	21.64	8.12	28.8		6.9	10.4	17.7	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS5	11:26:40	--	Bottom	3	1	21.68	8.12	28.8		6.9	10.5	24.5	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS5	11:27:22	--	Bottom	3	2	21.62	8.12	28.8		6.9	10.0	25.8	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS(Mf)6	11:19:15	--	Surface	1	1	21.76	8.12	28.7		7.1	11.8	17.5	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS(Mf)6	11:19:41	--	Surface	1	2	21.76	8.12	28.7		7.1	11.7	18.2	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	--	IS(Mf)6	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	--	IS(Mf)6	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS(Mf)6	11:19:03	--	Bottom	3	1	21.76	8.12	28.7		7.1	11.8	16.0	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS(Mf)6	11:19:30	--	Bottom	3	2	21.76	8.12	28.7		7.1	12.1	15.1	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS7	11:12:00	--	Surface	1	1	21.70	8.12	28.6		7.1	10.6	17.7	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS7	11:12:24	--	Surface	1	2	21.71	8.12	28.6		7.1	10.3	18.3	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	--	IS7	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	--	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS7	11:11:45	--	Bottom	3	1	21.70	8.12	28.6		7.1	10.9	19.9	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS7	11:12:11	--	Bottom	3	2	21.71	8.12	28.6		7.1	11.3	18.3	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS8	10:50:10	--	Surface	1	1	21.59	8.12	28.4		7.0	10.7	21.0	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS8	10:50:34	--	Surface	1	2	21.58	8.12	28.4		7.0	10.3	19.6	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	--	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	--	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS8	10:49:53	--	Bottom	3	1	21.55	8.12	28.4		7.0	11.6	12.9	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS8	10:50:22	--	Bottom	3	2	21.55	8.12	28.4		7.0	11.4	13.4	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS(Mf)9	11:05:29	--	Surface	1	1	21.38	8.11	28.3		6.9	12.1	15.8	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS(Mf)9	11:05:49	--	Surface	1	2	21.38	8.11	28.3		6.9	11.9	14.6	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	--	IS(Mf)9	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	--	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS(Mf)9	11:05:16	--	Bottom	3	1	21.36	8.11	28.3		6.9	14.6	15.8	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS(Mf)9	11:05:37	--	Bottom	3	2	21.37	8.11	28.3		6.9	14.3	15.9	

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	2012-12-17	Mid-Flood	Fine	IS10	11:27:01	--	Surface	1	1	21.59	8.00	28.8		7.0	8.0	13.4	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS10	11:28:14	--	Surface	1	2	21.60	8.00	28.8		6.8	8.0	14.7	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS10	11:26:42	--	Middle	2	1	21.57	8.00	28.8		6.9	8.7	15.8	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS10	11:27:38	--	Middle	2	2	21.58	8.00	28.8		6.8	8.7	15.3	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS10	11:26:27	--	Bottom	3	1	21.52	8.01	28.9		6.8	9.0	14.6	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	IS10	11:27:19	--	Bottom	3	2	21.55	8.00	28.9		6.8	8.9	13.0	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	--	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	--	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	SR3	11:32:34	--	Middle	2	1	21.75	8.12	28.8		7.0	10.2	12.8	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	SR3	11:32:51	--	Middle	2	2	21.73	8.12	28.8		7.0	10.4	12.1	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	--	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	--	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	SR4	10:55:51	--	Surface	1	1	21.66	8.11	28.5		6.9	13.9	14.2	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	SR4	10:56:15	--	Surface	1	2	21.65	8.11	28.5		6.9	13.9	15.4	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	--	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	--	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	SR4	10:55:36	--	Bottom	3	1	21.62	8.11	28.5		6.9	13.4	15.9	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	SR4	10:56:04	--	Bottom	3	2	21.61	8.11	28.5		6.9	14.2	14.3	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	SR5	11:20:16	--	Surface	1	1	21.55	8.01	28.9		6.9	7.6	16.9	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	SR5	11:20:56	--	Surface	1	2	21.55	8.01	28.9		6.8	7.9	16.4	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	--	SR5	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	--	SR5	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	SR5	11:19:34	--	Bottom	3	1	21.34	8.02	29.5		6.8	8.0	18.9	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	SR5	11:20:40	--	Bottom	3	2	21.39	8.02	29.5		6.7	7.8	17.5	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	SR10A	09:50:55	--	Surface	1	1	21.30	8.12	29.7		6.7	9.0	11.8	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	SR10A	09:51:30	--	Surface	1	2	21.30	8.12	29.7		6.7	9.4	12.7	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	SR10A	09:50:41	--	Middle	2	1	21.27	8.12	29.9		6.7	10.5	15.8	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	SR10A	09:51:18	--	Middle	2	2	21.28	8.12	29.8		6.7	10.4	15.7	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	SR10A	09:50:29	--	Bottom	3	1	21.27	8.12	30.0		6.7	10.3	10.7	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	SR10A	09:51:07	--	Bottom	3	2	21.28	8.12	29.9		6.7	10.1	10.0	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	SR10B	09:45:34	--	Surface	1	1	21.26	8.12	30.4		6.7	9.8	15.8	Strong current
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	SR10B	09:45:52	--	Surface	1	2	21.26	8.12	30.4		6.7	9.6	14.3	Strong current
HKLR	HY/2011/03	2012-12-17	Mid-Flood	--	SR10B	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	--	SR10B	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	SR10B	09:45:25	--	Bottom	3	1	21.26	8.12	30.4		6.7	9.7	10.2	Strong current
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	SR10B	09:45:44	--	Bottom	3	2	21.26	8.12	30.4		6.7	9.7	11.0	Strong current
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	CS2	11:07:51	--	Surface	1	1	21.36	8.00	28.8		6.8	13.4	12.1	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	CS2	11:09:09	--	Surface	1	2	21.36	8.01	28.7		6.8	13.8	13.0	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	CS2	11:07:18	--	Middle	2	1	21.30	8.02	28.9		6.7	16.2	13.9	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	CS2	11:08:47	--	Middle	2	2	21.28	8.01	28.8		6.8	16.6	13.8	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	CS2	11:06:41	--	Bottom	3	1	21.27	8.01	28.9		6.6	18.1	14.9	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	CS2	11:08:16	--	Bottom	3	2	21.21	8.00	28.9		6.6	19.5	14.2	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	CS(Mf)5	10:19:30	--	Surface	1	1	21.43	8.12	28.8		6.8	8.3	5.7	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	CS(Mf)5	10:20:11	--	Surface	1	2	21.40	8.12	28.8		6.8	8.1	5.1	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	CS(Mf)5	10:19:13	--	Middle	2	1	21.29	8.12	29.6		6.7	11.2	8.1	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	CS(Mf)5	10:19:58	--	Middle	2	2	21.29	8.12	29.6		6.7	11.4	7.9	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	CS(Mf)5	10:18:56	--	Bottom	3	1	21.30	8.12	29.6		6.7	11.3	5.0	
HKLR	HY/2011/03	2012-12-17	Mid-Flood	Fine	CS(Mf)5	10:19:44	--	Bottom	3	2	21.30	8.12	29.5		6.7	11.4	6.6	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS5	16:58:58	1.0	Surface	1	1	20.02	8.18	29.4		7.1	7.3	10.6	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS5	16:59:47	1.0	Surface	1	2	20.03	8.18	29.4		7.1	7.3	9.2	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS5	16:58:43	4.5	Middle	2	1	20.09	8.19	29.6		7.1	7.7	17.9	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS5	16:59:32	4.5	Middle	2	2	20.09	8.18	29.6		7.1	8.1	16.8	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS5	16:58:30	8.0	Bottom	3	1	20.24	8.19	30.2		7.0	8.6	9.1	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS5	16:59:11	8.0	Bottom	3	2	20.16	8.19	30.0		7.1	8.2	7.9	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS(Mf)6	17:05:55	1.0	Surface	1	1	20.05	8.17	29.3		7.2	9.5	20.4	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS(Mf)6	17:06:13	1.0	Surface	1	2	20.05	8.17	29.3		7.1	9.2	21.1	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	--	IS(Mf)6	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	--	IS(Mf)6	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS(Mf)6	17:05:46	2.3	Bottom	3	1	20.05	8.17	29.3		7.2	9.9	11.7	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS(Mf)6	17:06:07	2.3	Bottom	3	2	20.05	8.17	29.3		7.1	9.4	10.5	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS7	17:13:50	1.0	Surface	1	1	20.09	8.17	29.1		7.2	13.3	20.0	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS7	17:14:06	1.0	Surface	1	2	20.09	8.17	29.1		7.2	13.1	20.7	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	--	IS7	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	--	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS7	17:13:43	2.4	Bottom	3	1	20.09	8.17	29.1		7.2	13.2	19.0	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS7	17:13:59	2.4	Bottom	3	2	20.08	8.17	29.1		7.2	13.2	18.4	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS8	17:42:46	1.0	Surface	1	1	20.16	8.17	29.5		7.1	4.5	5.3	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS8	17:43:06	1.0	Surface	1	2	20.14	8.17	29.5		7.1	4.5	6.6	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	--	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	--	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS8	17:42:37	2.5	Bottom	3	1	20.17	8.17	29.6		7.1	4.5	9.4	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS8	17:42:54	2.5	Bottom	3	2	20.18	8.17	29.6		7.1	4.6	8.7	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS(Mf)9	17:21:35	1.0	Surface	1	1	20.15	8.17	29.5		7.2	4.3	6.4	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS(Mf)9	17:21:57	1.0	Surface	1	2	20.14	8.17	29.5		7.2	4.4	7.4	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	--	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	2012-12-19	Mid-Ebb	--	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS(Mf)9	17:21:22	2.5	Bottom	3	1	20.15	8.17	29.5		7.2	4.5	15.5	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS(Mf)9	17:21:42	2.5	Bottom	3	2	20.14	8.17	29.5		7.2	4.4	15.4	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS10	17:14:32	1.0	Surface	1	1	20.30	8.03	30.4		6.7	5.1	16.2	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS10	17:15:13	1.0	Surface	1	2	20.27	8.03	30.5		6.7	4.9	17.2	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS10	17:14:19	5.9	Middle	2	1	20.64	8.04	31.5		6.6	5.2	15.1	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS10	17:15:01	5.9	Middle	2	2	20.55	8.03	31.1		6.7	5.0	13.9	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS10	17:14:06	10.8	Bottom	3	1	20.70	8.04	32.3		6.6	4.7	11.6	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	IS10	17:14:46	10.8	Bottom	3	2	20.60	8.03	32.0		6.7	4.8	9.9	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	--	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	--	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	SR3	16:51:55	0.8	Middle	2	1	19.93	8.19	29.4		7.3	6.8	9.9	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	SR3	16:51:59	0.8	Middle	2	2	19.93	8.19	29.4		7.3	6.6	9.1	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	--	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	--	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	SR4	17:33:53	1.0	Surface	1	1	20.18	8.17	29.5		7.1	4.7	5.0	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	SR4	17:34:30	1.0	Surface	1	2	20.19	8.17	29.6		7.1	4.8	5.8	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	--	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	--	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	SR4	17:33:44	2.5	Bottom	3	1	20.26	8.17	29.8		7.1	4.9	7.2	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	SR4	17:34:19	2.5	Bottom	3	2	20.18	8.17	29.7		7.1	4.8	5.3	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	SR5	17:22:09	1.0	Surface	1	1	20.23	8.04	30.5		6.9	4.7	7.9	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	SR5	17:22:26	1.0	Surface	1	2	20.26	8.04	30.5		6.9	4.6	8.7	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	--	SR5	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	--	SR5	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	SR5	17:21:58	3.8	Bottom	3	1	20.40	8.04	31.0		6.9	5.1	7.7	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	SR5	17:22:18	3.8	Bottom	3	2	20.31	8.04	30.9		6.9	4.9	8.7	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	SR10A	18:46:38	1.0	Surface	1	1	20.59	8.21	32.0		6.8	1.9	4.7	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	SR10A	18:47:08	1.0	Surface	1	2	20.59	8.20	32.0		6.8	1.9	4.9	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	SR10A	18:46:29	3.1	Middle	2	1	20.61	8.21	32.1		6.8	1.8	9.0	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	SR10A	18:47:01	3.1	Middle	2	2	20.59	8.21	32.0		6.8	1.9	7.6	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	SR10A	18:46:17	5.2	Bottom	3	1	20.62	8.21	32.2		6.8	1.8	12.6	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	SR10A	18:46:53	5.2	Bottom	3	2	20.60	8.21	32.1		6.8	1.8	14.1	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	SR10B	18:54:27	1.0	Surface	1	1	20.61	8.20	32.1		6.8	1.8	9.6	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	SR10B	18:54:49	1.0	Surface	1	2	20.59	8.21	32.0		6.8	1.8	7.8	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	--	SR10B	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	--	SR10B	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	SR10B	18:54:18	4.0	Bottom	3	1	20.61	8.21	32.1		6.8	1.8	5.1	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	SR10B	18:54:36	4.0	Bottom	3	2	20.61	8.20	32.1		6.8	1.8	3.4	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	CS2	17:11:38	1.0	Surface	1	1	20.11	8.02	30.4		6.7	6.8	4.7	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	CS2	17:12:55	1.0	Surface	1	2	20.12	8.01	30.4		6.7	6.7	5.8	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	CS2	17:11:13	3.9	Middle	2	1	20.32	8.01	32.1		6.3	7.0	4.2	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	CS2	17:12:31	3.9	Middle	2	2	20.30	8.01	32.1		6.3	6.2	5.7	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	CS2	17:10:46	6.8	Bottom	3	1	20.41	8.01	32.1		6.3	8.1	5.2	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	CS2	17:12:07	6.8	Bottom	3	2	20.42	8.00	32.1		6.3	8.5	5.2	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	CS(Mf)5	18:18:36	1.0	Surface	1	1	20.57	8.20	31.6		6.8	2.3	5.1	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	CS(Mf)5	18:19:21	1.0	Surface	1	2	20.55	8.20	31.6		6.8	2.3	4.1	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	CS(Mf)5	18:18:25	6.5	Middle	2	1	20.71	8.20	32.1		6.8	2.0	4.6	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	CS(Mf)5	18:19:08	6.5	Middle	2	2	20.70	8.20	32.1		6.7	2.2	4.8	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	CS(Mf)5	18:18:16	12.0	Bottom	3	1	20.69	8.20	32.2		6.8	2.2	7.1	
HKLR	HY/2011/03	2012-12-19	Mid-Ebb	Cloudy	CS(Mf)5	18:18:56	12.0	Bottom	3	2	20.71	8.20	32.2		6.7	2.1	6.0	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS5	12:46:55	1.0	Surface	1	1	20.15	8.17	29.1		7.1	7.9	13.4	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS5	12:47:43	1.0	Surface	1	2	20.14	8.17	29.1		7.1	7.9	14.8	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS5	12:46:38	4.6	Middle	2	1	20.28	8.17	29.2		7.1	8.1	15.5	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS5	12:47:26	4.6	Middle	2	2	20.23	8.17	29.2		7.1	7.9	13.8	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS5	12:46:25	8.2	Bottom	3	1	20.34	8.17	29.5		7.0	8.4	17.4	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS5	12:47:10	8.2	Bottom	3	2	20.31	8.17	29.5		7.1	8.2	17.0	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS(Mf)6	12:38:53	1.0	Surface	1	1	20.22	8.17	29.2		7.2	8.2	18.3	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS(Mf)6	12:39:10	1.0	Surface	1	2	20.22	8.17	29.1		7.2	8.0	17.7	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	--	IS(Mf)6	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	--	IS(Mf)6	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS(Mf)6	12:38:42	2.4	Bottom	3	1	20.22	8.17	29.2		7.2	8.7	10.0	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS(Mf)6	12:39:00	2.4	Bottom	3	2	20.22	8.17	29.2		7.2	8.1	8.5	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS7	12:31:42	1.0	Surface	1	1	20.23	8.17	29.2		7.2	12.1	15.8	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS7	12:32:07	1.0	Surface	1	2	20.22	8.17	29.2		7.2	12.2	14.8	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	--	IS7	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	--	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS7	12:31:35	2.4	Bottom	3	1	20.24	8.17	29.2		7.2	12.4	17.4	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS7	12:31:56	2.4	Bottom	3	2	20.24	8.17	29.2		7.2	12.6	16.4	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS8	12:08:22	1.0	Surface	1	1	20.29	8.16	29.5		7.1	6.7	15.1	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS8	12:08:43	1.0	Surface	1	2	20.30	8.16	29.5		7.1	6.7	16.9	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	--	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	--	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS8	12:08:05	2.6	Bottom	3	1	20.31	8.16	29.5		7.1	6.9	10.8	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS8	12:08:33	2.6	Bottom	3	2	20.32	8.16	29.5		7.1	7.1	11.1	

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	2012-12-19	Mid-Flood	Cloudy	IS(Mf)9	12:23:59	1.0	Surface	1	1	20.26	8.17	29.4		7.2	5.0	9.1	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS(Mf)9	12:24:20	1.0	Surface	1	2	20.26	8.17	29.4		7.1	5.0	10.5	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	--	IS(Mf)9	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	--	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS(Mf)9	12:23:53	2.5	Bottom	3	1	20.26	8.17	29.4		7.2	5.0	8.8	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS(Mf)9	12:24:12	2.5	Bottom	3	2	20.28	8.17	29.5		7.1	5.1	8.0	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS10	13:03:08	1.0	Surface	1	1	20.28	8.02	30.1		6.8	7.7	16.5	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS10	13:04:36	1.0	Surface	1	2	20.28	8.02	30.1		6.8	8.1	16.2	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS10	13:02:51	6.8	Middle	2	1	20.35	8.02	30.2		6.7	7.8	19.0	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS10	13:04:19	6.8	Middle	2	2	20.32	8.02	30.1		6.8	7.4	18.8	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS10	13:02:24	12.6	Bottom	3	1	20.62	8.03	31.3		6.6	19.2	18.4	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	IS10	13:03:48	12.6	Bottom	3	2	20.62	8.03	31.3		6.6	18.6	16.6	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	--	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	--	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	SR3	12:52:44	0.8	Middle	2	1	20.06	8.17	29.2		7.3	9.7	15.7	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	SR3	12:52:48	0.8	Middle	2	2	20.06	8.17	29.2		7.3	9.7	14.7	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	--	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	--	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	SR4	12:14:13	1.0	Surface	1	1	20.40	8.15	29.5		7.0	7.5	11.0	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	SR4	12:14:40	1.0	Surface	1	2	20.42	8.16	29.5		7.0	7.4	11.9	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	--	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	--	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	SR4	12:14:03	2.6	Bottom	3	1	20.38	8.15	29.5		7.0	7.5	8.8	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	SR4	12:14:28	2.6	Bottom	3	2	20.43	8.15	29.6		7.0	7.6	7.6	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	SR5	12:51:19	1.0	Surface	1	1	20.54	8.02	30.8		6.7	10.1	17.3	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	SR5	12:51:45	1.0	Surface	1	2	20.50	8.02	30.7		6.7	10.1	16.4	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	--	SR5	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	--	SR5	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	SR5	12:51:05	4.0	Bottom	3	1	20.65	8.02	31.2		6.7	11.6	16.9	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	SR5	12:51:32	4.0	Bottom	3	2	20.66	8.02	31.2		6.7	12.1	17.0	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	SR10A	11:05:07	1.0	Surface	1	1	20.66	8.19	31.7		6.8	3.1	2.5	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	SR10A	11:05:35	1.0	Surface	1	2	20.67	8.19	31.8		6.8	2.9	3.4	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	SR10A	11:04:59	3.2	Middle	2	1	20.70	8.19	31.9		6.8	3.2	3.0	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	SR10A	11:05:22	3.2	Middle	2	2	20.70	8.19	31.9		6.8	3.2	4.8	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	SR10A	11:04:43	5.4	Bottom	3	1	20.70	8.19	31.9		6.8	3.6	4.0	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	SR10A	11:05:15	5.4	Bottom	3	2	20.67	8.19	31.9		6.8	3.5	4.8	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	SR10B	10:58:34	1.0	Surface	1	1	20.71	8.19	32.2		6.9	3.3	4.6	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	SR10B	10:59:42	1.0	Surface	1	2	20.71	8.20	32.2		7.3	3.6	5.6	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	--	SR10B	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	--	SR10B	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	SR10B	10:58:18	4.0	Bottom	3	1	20.71	8.19	32.2		6.8	3.4	5.9	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	SR10B	10:59:21	4.0	Bottom	3	2	20.68	8.20	32.2		7.0	3.6	5.2	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	CS2	12:46:18	1.0	Surface	1	1	20.21	8.01	30.1		6.7	6.6	5.7	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	CS2	12:37:30	1.0	Surface	1	2	20.18	8.01	30.1		6.8	6.3	4.8	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	CS2	12:45:58	4.1	Middle	2	1	20.41	8.01	30.8		6.3	7.0	6.3	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	CS2	12:37:03	4.1	Middle	2	2	20.40	8.00	30.6		6.3	7.2	8.0	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	CS2	12:45:31	7.2	Bottom	3	1	20.58	8.02	31.4		6.3	7.9	4.7	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	CS2	12:46:40	7.2	Bottom	3	2	20.51	8.01	31.4		6.3	8.2	4.7	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	CS(Mf)5	11:35:48	1.0	Surface	1	1	20.36	8.18	30.5		7.0	3.1	3.4	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	CS(Mf)5	11:36:39	1.0	Surface	1	2	20.34	8.18	30.5		7.0	3.1	3.0	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	CS(Mf)5	11:35:31	6.5	Middle	2	1	20.54	8.19	30.8		6.9	3.2	6.8	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	CS(Mf)5	11:36:22	6.5	Middle	2	2	20.52	8.19	30.8		6.9	3.5	7.8	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	CS(Mf)5	11:35:14	12.0	Bottom	3	1	20.68	8.19	31.9		6.9	3.6	5.1	
HKLR	HY/2011/03	2012-12-19	Mid-Flood	Cloudy	CS(Mf)5	11:36:08	12.0	Bottom	3	2	20.72	8.20	31.9		6.8	3.7	3.9	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS5	06:45:13	1.0	Surface	1	1	20.05	8.22	30.4		7.4	4.7	8.8	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS5	06:46:21	1.0	Surface	1	2	19.92	8.20	30.4		7.4	4.7	7.8	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS5	06:45:06	4.6	Middle	2	1	20.11	8.23	32.1		7.3	5.1	8.7	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS5	06:46:02	4.6	Middle	2	2	20.10	8.23	32.1		7.3	4.9	10.1	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS5	06:44:51	8.2	Bottom	3	1	20.11	8.23	32.4		7.3	5.9	8.1	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS5	06:45:30	8.2	Bottom	3	2	20.12	8.23	32.4		7.3	6.1	8.1	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS(Mf)6	06:37:38	1.0	Surface	1	1	19.90	8.17	30.3		7.4	14.1	17	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS(Mf)6	06:37:18	1.0	Surface	1	2	19.86	8.18	30.2		7.4	13.9	18.1	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	--	IS(Mf)6	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	--	IS(Mf)6	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS(Mf)6	06:37:04	2.4	Bottom	3	1	19.90	8.17	30.4		7.4	16.6	17.7	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS(Mf)6	06:37:32	2.4	Bottom	3	2	19.90	8.17	30.3		7.4	16.5	16.1	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS7	06:30:53	1.0	Surface	1	1	19.89	8.17	30.3		7.4	8.9	12.2	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS7	06:30:38	1.0	Surface	1	2	19.89	8.17	30.3		7.4	8.5	11.3	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	--	IS7	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	--	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS7	06:30:48	2.4	Bottom	3	1	19.89	8.17	30.3		7.4	9.3	13.7	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS7	06:30:28	2.4	Bottom	3	2	19.89	8.17	30.3		7.4	9.1	12.1	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS8	06:05:12	1.0	Surface	1	1	20.12	8.17	30.9		7.3	5.8	8.7	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS8	06:04:45	1.0	Surface	1	2	20.13	8.17	31.0		7.3	5.6	7.6	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	--	IS8	--	--	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	2012-12-21	Mid-Ebb	--	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS8	06:04:55	2.6	Bottom	3	1	20.13	8.17	30.9		7.3	5.8	8.6	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS8	06:04:33	2.6	Bottom	3	2	20.13	8.17	31.0		7.3	5.8	8.6	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS(Mf)9	06:23:52	1.0	Surface	1	1	20.03	8.17	30.6		7.4	5.4	8.7	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS(Mf)9	06:24:06	1.0	Surface	1	2	20.03	8.17	30.6		7.4	5.4	7.8	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	--	IS(Mf)9	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	--	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS(Mf)9	06:23:47	2.4	Bottom	3	1	20.03	8.17	30.6		7.4	5.6	6.8	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS(Mf)9	06:23:57	2.4	Bottom	3	2	20.03	8.17	30.6		7.4	5.6	6.3	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS10	07:44:08	1.0	Surface	1	1	20.36	8.01	30.5		7.1	2.4	5	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS10	07:44:54	1.0	Surface	1	2	20.37	8.01	30.5		7.1	2.4	5.1	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS10	07:44:42	5.3	Middle	2	1	20.31	8.01	31.0		7.0	2.4	6.7	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS10	07:43:54	5.3	Middle	2	2	20.31	8.02	31.1		7.0	2.4	5.5	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS10	07:44:31	9.6	Bottom	3	1	20.31	8.01	31.0		7.0	2.2	6.4	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	IS10	07:43:42	9.6	Bottom	3	2	20.32	8.01	31.0		7.0	2.3	5.7	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	--	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	--	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	SR3	06:56:58	0.8	Middle	2	1	19.92	8.19	30.3		7.5	4.9	9.9	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	SR3	06:57:04	0.8	Middle	2	2	19.91	8.18	30.3		7.5	5.0	10.7	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	--	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	--	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	SR4	06:17:22	1.0	Surface	1	1	20.13	8.17	30.9		7.3	5.8	11.7	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	SR4	06:16:57	1.0	Surface	1	2	20.13	8.17	30.9		7.3	5.7	10.4	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	--	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	--	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	SR4	06:16:49	2.4	Bottom	3	1	20.13	8.17	30.9		7.3	5.8	11.5	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	SR4	06:17:10	2.4	Bottom	3	2	20.14	8.17	30.9		7.3	6.0	11.2	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	SR5	07:36:15	1.0	Surface	1	1	20.40	8.00	30.1		7.1	2.5	7.5	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	SR5	07:35:43	1.0	Surface	1	2	20.38	8.01	30.2		7.1	2.4	5.8	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	--	SR5	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	--	SR5	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	SR5	07:36:00	3.7	Bottom	3	1	20.44	8.01	31.2		7.0	2.6	7	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	SR5	07:35:33	3.7	Bottom	3	2	20.31	8.01	31.4		7.0	2.6	5.3	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	SR10A	04:58:05	1.0	Surface	1	1	20.42	8.20	32.3		6.9	1.8	5.7	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	SR10A	04:57:24	1.0	Surface	1	2	20.42	8.20	32.3		6.9	1.8	5.6	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	SR10A	04:57:52	3.3	Middle	2	1	20.42	8.20	32.3		6.9	1.8	7.1	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	SR10A	04:57:07	3.3	Middle	2	2	20.42	8.20	32.3		6.9	1.9	5.8	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	SR10A	04:56:55	5.5	Bottom	3	1	20.42	8.20	32.3		6.9	2.0	4.9	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	SR10A	04:57:43	5.5	Bottom	3	2	20.42	8.20	32.3		6.9	1.9	5.3	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	SR10B	04:43:37	1.0	Surface	1	1	20.42	8.19	32.4		6.9	1.3	4.7	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	SR10B	04:43:06	1.0	Surface	1	2	20.42	8.19	32.4		6.9	1.5	5.2	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	--	SR10B	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	--	SR10B	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	SR10B	04:42:56	4.5	Bottom	3	1	20.42	8.19	32.4		6.9	1.9	4.2	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	SR10B	04:43:18	4.5	Bottom	3	2	20.42	8.19	32.4		6.9	1.8	5.9	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	CS2	08:12:24	1.0	Surface	1	1	20.19	8.02	30.4		6.8	7.3	9.8	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	CS2	08:11:20	1.0	Surface	1	2	20.20	8.01	30.6		6.9	7.0	8.2	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	CS2	08:10:50	4.0	Middle	2	1	20.19	8.03	30.9		7.0	7.0	8.6	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	CS2	08:12:03	4.0	Middle	2	2	20.17	8.02	30.4		6.8	7.2	10.2	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	CS2	08:10:27	6.9	Bottom	3	1	20.13	8.02	31.2		7.0	7.3	8.5	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	CS2	08:11:40	6.9	Bottom	3	2	20.14	8.01	30.6		6.9	6.9	9.2	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	CS(Mf)5	05:31:51	1.0	Surface	1	1	20.38	8.19	32.1		7.0	2.1	6.7	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	CS(Mf)5	05:31:16	1.0	Surface	1	2	20.38	8.19	32.1		7.0	2.0	5	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	CS(Mf)5	05:31:36	6.7	Middle	2	1	20.40	8.19	32.1		7.0	2.2	5.7	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	CS(Mf)5	05:30:50	6.7	Middle	2	2	20.40	8.19	32.1		7.0	2.1	6.1	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	CS(Mf)5	05:31:28	12.3	Bottom	3	1	20.39	8.19	32.1		7.0	2.3	5.6	
HKLR	HY/2011/03	2012-12-21	Mid-Ebb	Fine	CS(Mf)5	05:30:37	12.3	Bottom	3	2	20.40	8.19	32.1		7.0	2.2	6.2	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS5	12:28:01	1.0	Surface	1	1	20.14	8.15	30.4		7.4	8.5	20.8	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS5	12:28:46	1.0	Surface	1	2	20.15	8.15	30.3		7.4	8.3	20.2	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS5	12:27:50	4.5	Middle	2	1	20.13	8.15	30.5		7.3	8.6	17.3	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS5	12:28:31	4.5	Middle	2	2	20.13	8.15	30.5		7.3	8.3	18.5	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS5	12:28:20	8.0	Bottom	3	1	20.13	8.15	30.6		7.3	8.8	16.8	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS5	12:27:36	8.0	Bottom	3	2	20.14	8.15	30.6		7.3	9.1	17.3	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS(Mf)6	12:36:24	1.0	Surface	1	1	20.26	8.16	30.5		7.5	7.7	16	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS(Mf)6	12:36:03	1.0	Surface	1	2	20.26	8.16	30.5		7.5	7.9	14.9	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	--	IS(Mf)6	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	--	IS(Mf)6	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS(Mf)6	12:36:13	2.3	Bottom	3	1	20.26	8.16	30.5		7.5	8.6	11.6	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS(Mf)6	12:35:51	2.3	Bottom	3	2	20.27	8.15	30.6		7.5	8.6	12.8	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS7	12:43:03	1.0	Surface	1	1	20.42	8.15	30.7		7.4	6.7	9	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS7	12:43:26	1.0	Surface	1	2	20.41	8.15	30.7		7.4	6.3	8.3	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	--	IS7	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	--	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS7	12:43:13	2.3	Bottom	3	1	20.41	8.15	30.7		7.4	6.5	10.4	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS7	12:42:55	2.3	Bottom	3	2	20.44	8.15	30.7		7.4	6.9	9.9	

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	2012-12-21	Mid-Flood	Fine	IS8	13:10:56	1.0	Surface	1	1	20.44	8.15	31.0		7.3	3.8	8.1	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS8	13:11:13	1.0	Surface	1	2	20.41	8.15	31.0		7.3	3.8	9.8	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	--	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	--	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS8	13:10:49	2.5	Bottom	3	1	20.43	8.15	31.0		7.3	4.0	7	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS8	13:11:06	2.5	Bottom	3	2	20.43	8.15	31.0		7.3	3.9	6.7	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS(Mf)9	12:49:53	1.0	Surface	1	1	20.57	8.15	31.0		7.2	7.1	9.5	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS(Mf)9	12:49:30	1.0	Surface	1	2	20.61	8.15	31.0		7.2	7.1	10.4	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	--	IS(Mf)9	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	--	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS(Mf)9	12:49:17	2.3	Bottom	3	1	20.58	8.15	31.0		7.2	7.6	9.4	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS(Mf)9	12:49:40	2.3	Bottom	3	2	20.43	8.15	31.1		7.2	7.4	10.8	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS10	12:54:13	1.0	Surface	1	1	20.45	8.02	30.9		7.1	4.8	5.9	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS10	12:55:03	1.0	Surface	1	2	20.48	8.02	30.8		7.1	4.6	6.9	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS10	12:54:00	5.0	Middle	2	1	20.35	8.02	31.5		7.0	6.6	2.9	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS10	12:54:47	5.0	Middle	2	2	20.35	8.03	31.5		7.0	6.4	2.3	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS10	12:54:33	9.0	Bottom	3	1	20.35	8.03	31.6		7.0	6.3	8.1	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	IS10	12:53:43	9.0	Bottom	3	2	20.38	8.02	31.4		7.0	6.3	8.8	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	--	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	--	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	SR3	12:15:57	0.7	Middle	2	1	20.25	8.19	30.6		7.4	9.8	17.9	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	SR3	12:15:53	0.7	Middle	2	2	20.26	8.19	30.6		7.4	9.7	19.7	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	--	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	--	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	SR4	12:59:52	1.0	Surface	1	1	20.59	8.16	31.0		7.3	3.7	6.9	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	SR4	12:59:31	1.0	Surface	1	2	20.61	8.16	31.0		7.4	3.4	8.6	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	--	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	--	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	SR4	12:59:42	2.4	Bottom	3	1	20.63	8.15	31.1		7.3	3.8	7	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	SR4	12:59:23	2.4	Bottom	3	2	20.60	8.16	31.1		7.4	3.8	6.9	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	SR5	13:04:59	1.0	Surface	1	1	20.57	8.02	30.7		7.2	2.6	3.6	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	SR5	13:04:36	1.0	Surface	1	2	20.56	8.02	30.7		7.2	2.7	2.7	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	--	SR5	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	--	SR5	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	SR5	13:04:46	3.9	Bottom	3	1	20.49	8.02	30.7		7.2	2.6	9.2	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	SR5	13:04:21	3.9	Bottom	3	2	20.48	8.02	30.7		7.2	2.8	7.6	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	SR10A	14:19:42	1.0	Surface	1	1	20.53	8.18	32.4		6.8	1.6	6.1	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	SR10A	14:19:11	1.0	Surface	1	2	20.53	8.18	32.4		6.8	1.7	7	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	SR10A	14:19:36	3.3	Middle	2	1	20.54	8.18	32.4		6.8	2.2	6	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	SR10A	14:18:58	3.3	Middle	2	2	20.53	8.18	32.4		6.8	2.0	7.6	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	SR10A	14:18:53	5.6	Bottom	3	1	20.53	8.18	32.4		6.8	2.1	6.1	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	SR10A	14:19:24	5.6	Bottom	3	2	20.53	8.18	32.4		6.8	2.2	4.9	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	SR10B	14:28:06	1.0	Surface	1	1	20.53	8.18	32.5		6.9	2.0	5.2	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	SR10B	14:28:30	1.0	Surface	1	2	20.53	8.18	32.5		6.9	1.9	4.4	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	--	SR10B	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	--	SR10B	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	SR10B	14:27:54	4.5	Bottom	3	1	20.53	8.18	32.5		6.9	2.0	4.3	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	SR10B	14:28:17	4.5	Bottom	3	2	20.53	8.18	32.5		6.9	2.0	3.7	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	CS2	13:22:03	1.0	Surface	1	1	20.43	8.01	30.2		7.0	4.0	5	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	CS2	13:23:04	1.0	Surface	1	2	20.43	8.02	30.2		7.1	4.3	4.6	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	CS2	13:22:40	4.1	Middle	2	1	20.28	8.03	31.3		6.9	4.4	5.8	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	CS2	13:21:42	4.1	Middle	2	2	20.30	8.04	31.1		7.0	4.2	7.2	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	CS2	13:22:25	7.1	Bottom	3	1	20.15	8.04	31.7		7.0	4.7	7.8	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	CS2	13:21:27	7.1	Bottom	3	2	20.22	8.03	31.6		6.9	4.3	6.7	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	CS(Mf)5	13:46:54	1.0	Surface	1	1	20.70	8.17	32.1		7.0	2.4	3.5	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	CS(Mf)5	13:47:55	1.0	Surface	1	2	20.51	8.17	32.1		7.0	2.3	4.1	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	CS(Mf)5	13:46:41	6.7	Middle	2	1	20.47	8.17	32.2		6.9	2.8	6.3	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	CS(Mf)5	13:47:41	6.7	Middle	2	2	20.47	8.17	32.2		6.9	2.5	4.8	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	CS(Mf)5	13:46:30	12.4	Bottom	3	1	20.47	8.17	32.2		6.9	3.6	6.8	
HKLR	HY/2011/03	2012-12-21	Mid-Flood	Fine	CS(Mf)5	13:47:22	12.4	Bottom	3	2	20.47	8.17	32.2		6.9	3.8	5.3	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS5	11:14:08	1.0	Surface	1	1	18.82	8.24	30.4		7.6	3.7	4.7	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS5	11:13:29	1.0	Surface	1	2	18.88	8.25	30.4		7.5	3.8	4.7	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS5	11:13:16	4.6	Middle	2	1	19.58	8.28	31.5		7.4	5.3	4.2	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS5	11:13:54	4.6	Middle	2	2	19.47	8.28	31.2		7.4	5.5	4.5	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS5	11:13:43	8.1	Bottom	3	1	19.51	8.27	32.0		7.4	7.7	3.6	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS5	11:13:06	8.1	Bottom	3	2	19.55	8.28	32.0		7.4	7.5	4	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS(Mf)6	10:55:32	1.0	Surface	1	1	18.97	8.23	30.5		7.5	3.8	3.6	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS(Mf)6	10:55:53	1.0	Surface	1	2	18.96	8.23	30.5		7.5	3.7	3.9	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	--	IS(Mf)6	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	--	IS(Mf)6	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS(Mf)6	10:55:20	2.0	Bottom	3	1	19.14	8.23	30.7		7.5	4.1	3.1	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS(Mf)6	10:55:44	2.0	Bottom	3	2	19.11	8.23	30.7		7.5	3.9	2.4	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS7	10:47:10	1.0	Surface	1	1	18.08	8.23	30.1		7.9	10.5	15.9	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS7	10:47:39	1.0	Surface	1	2	18.10	8.23	30.1		7.9	10.8	16.9	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	--	IS7	--	--	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	2012-12-24	Mid-Ebb	--	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS7	10:47:25	2.2	Bottom	3	1	18.09	8.23	30.1		7.8	10.4	15.2	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS7	10:46:56	2.2	Bottom	3	2	18.07	8.23	30.1		7.9	10.8	14	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS8	10:19:37	1.0	Surface	1	1	18.62	8.24	30.9		7.7	3.5	4.4	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS8	10:20:05	1.0	Surface	1	2	18.63	8.24	30.9		7.7	3.6	4.7	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	--	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	--	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS8	10:19:24	3.2	Bottom	3	1	18.63	8.24	30.9		7.7	3.6	5.9	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS8	10:19:53	3.2	Bottom	3	2	18.63	8.24	30.9		7.7	3.6	5.6	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS(Mf)9	10:40:03	1.0	Surface	1	1	18.44	8.24	30.5		7.7	3.8	4.8	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS(Mf)9	10:39:37	1.0	Surface	1	2	18.48	8.24	30.4		7.7	3.9	5.7	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	--	IS(Mf)9	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	--	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS(Mf)9	10:39:26	2.7	Bottom	3	1	18.95	8.23	31.0		7.6	3.8	4.2	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS(Mf)9	10:39:49	2.7	Bottom	3	2	18.89	8.23	31.1		7.6	3.9	4.9	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS10	11:48:56	1.0	Surface	1	1	19.04	8.09	32.0		7.4	2.0	4.7	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS10	11:49:47	1.0	Surface	1	2	19.10	8.10	32.2		7.4	1.9	4.7	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS10	11:48:36	5.5	Middle	2	1	19.36	8.10	32.2		7.2	2.0	6.9	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS10	11:49:21	5.5	Middle	2	2	19.45	8.11	32.2		7.2	2.1	6.7	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS10	11:49:13	10.0	Bottom	3	1	19.60	8.10	33.3		7.2	2.2	6.1	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	IS10	11:48:24	10.0	Bottom	3	2	19.67	8.10	33.2		7.3	2.1	5.4	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	--	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	--	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	SR3	11:30:11	0.7	Middle	2	1	18.63	8.23	30.2		7.7	2.9	4	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	SR3	11:29:59	0.7	Middle	2	2	18.63	8.23	30.2		7.7	3.1	4.1	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	--	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	--	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	SR4	10:27:57	1.0	Surface	1	1	17.25	8.21	29.4		7.7	2.7	5.3	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	SR4	10:27:30	1.0	Surface	1	2	17.23	8.21	29.5		7.8	2.6	4	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	--	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	--	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	SR4	10:27:15	2.8	Bottom	3	1	17.62	8.20	30.0		7.7	3.2	3.9	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	SR4	10:27:45	2.8	Bottom	3	2	18.06	8.21	30.3		7.7	3.3	3.7	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	SR5	11:39:13	1.0	Surface	1	1	19.44	8.12	32.7		7.1	3.1	5.7	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	SR5	11:39:36	1.0	Surface	1	2	19.50	8.12	32.7		7.1	3.3	5.2	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	--	SR5	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	--	SR5	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	SR5	11:38:58	4.4	Bottom	3	1	19.66	8.11	33.2		7.1	3.5	11.6	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	SR5	11:39:27	4.4	Bottom	3	2	19.65	8.11	33.2		7.1	3.4	10.6	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	SR10A	09:10:07	1.0	Surface	1	1	20.02	8.31	32.9		7.3	1.7	3	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	SR10A	09:10:41	1.0	Surface	1	2	20.01	8.31	32.9		7.3	1.8	3.7	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	SR10A	09:10:27	3.3	Middle	2	1	20.01	8.31	32.9		7.3	1.7	4.6	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	SR10A	09:09:56	3.3	Middle	2	2	20.02	8.31	32.9		7.3	1.7	4.3	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	SR10A	09:09:47	5.5	Bottom	3	1	20.01	8.31	32.9		7.3	1.7	6.4	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	SR10A	09:10:17	5.5	Bottom	3	2	20.02	8.31	32.9		7.3	1.8	6.4	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	SR10B	09:05:04	1.0	Surface	1	1	20.09	8.33	32.9		7.4	1.9	5.5	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	SR10B	09:04:39	1.0	Surface	1	2	20.10	8.33	32.9		7.4	1.8	5	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	--	SR10B	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	--	SR10B	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	SR10B	09:04:52	4.4	Bottom	3	1	20.07	8.33	32.9		7.4	1.9	4.8	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	SR10B	09:04:25	4.4	Bottom	3	2	20.09	8.32	32.9		7.4	1.8	5.4	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	CS2	10:53:50	1.0	Surface	1	1	18.57	8.18	32.8		7.7	1.0	2.8	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	CS2	10:53:12	1.0	Surface	1	2	18.57	8.18	32.8		7.7	1.0	2.9	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	CS2	10:52:59	4.1	Middle	2	1	18.58	8.18	32.8		7.6	1.5	4.1	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	CS2	10:53:39	4.1	Middle	2	2	18.68	8.18	32.9		7.6	1.5	4.3	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	CS2	10:53:27	7.1	Bottom	3	1	18.81	8.18	33.1		7.6	1.8	5.9	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	CS2	10:52:39	7.1	Bottom	3	2	18.82	8.18	33.1		7.7	2.0	5.4	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	CS(Mf)5	09:42:09	1.0	Surface	1	1	19.78	8.31	32.8		7.3	2.4	5	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	CS(Mf)5	09:41:27	1.0	Surface	1	2	19.78	8.31	32.8		7.3	2.3	5.6	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	CS(Mf)5	09:41:14	6.4	Middle	2	1	19.78	8.31	32.8		7.3	2.5	4.6	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	CS(Mf)5	09:41:55	6.4	Middle	2	2	19.78	8.31	32.8		7.3	2.5	5	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	CS(Mf)5	09:41:43	11.7	Bottom	3	1	19.79	8.31	32.8		7.3	2.5	6.6	
HKLR	HY/2011/03	2012-12-24	Mid-Ebb	Sunny	CS(Mf)5	09:41:02	11.7	Bottom	3	2	19.79	8.31	32.8		7.3	2.5	6.7	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS5	14:50:09	1.0	Surface	1	1	19.20	8.22	30.3		7.5	4.3	5.7	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS5	14:49:23	1.0	Surface	1	2	19.28	8.22	30.3		7.4	4.2	4.6	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS5	14:49:12	4.4	Middle	2	1	19.53	8.25	31.7		7.4	4.5	6.5	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS5	14:49:53	4.4	Middle	2	2	19.54	8.25	31.7		7.3	4.2	5.2	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS5	14:48:59	7.7	Bottom	3	1	19.39	8.24	31.9		7.4	4.6	9.6	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS5	14:49:38	7.7	Bottom	3	2	19.38	8.24	31.9		7.4	4.3	9.6	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS(Mf)6	14:57:26	1.0	Surface	1	1	18.89	8.21	30.2		7.8	10.3	10	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS(Mf)6	14:57:04	1.0	Surface	1	2	18.90	8.21	30.3		7.8	10.1	10.3	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	--	IS(Mf)6	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	--	IS(Mf)6	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS(Mf)6	14:56:49	2.1	Bottom	3	1	18.96	8.20	30.3		7.8	10.5	9	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS(Mf)6	14:57:13	2.1	Bottom	3	2	18.96	8.21	30.4		7.7	10.4	9.9	

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	2012-12-24	Mid-Flood	Sunny	IS7	15:04:24	1.0	Surface	1	1	18.83	8.21	30.3		7.8	5.2	6.8	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS7	15:04:58	1.0	Surface	1	2	18.87	8.21	30.3		7.8	5.1	6.9	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	--	IS7	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	--	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS7	15:04:37	2.1	Bottom	3	1	18.80	8.21	30.5		7.7	5.1	6.3	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS7	15:04:09	2.1	Bottom	3	2	18.80	8.21	30.5		7.8	5.2	6.6	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS8	15:29:00	1.0	Surface	1	1	19.13	8.23	30.9		7.8	3.5	3.4	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS8	15:28:38	1.0	Surface	1	2	19.14	8.23	30.9		7.8	3.4	2.3	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	--	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	--	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS8	15:28:27	3.0	Bottom	3	1	19.08	8.23	30.9		7.8	3.4	3.9	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS8	15:28:49	3.0	Bottom	3	2	19.08	8.23	30.9		7.8	3.2	4	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS(Mf)9	15:11:50	1.0	Surface	1	1	19.19	8.22	30.8		7.7	3.3	7.8	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS(Mf)9	15:12:15	1.0	Surface	1	2	19.19	8.22	30.8		7.7	3.1	8.1	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	--	IS(Mf)9	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	--	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS(Mf)9	15:12:01	2.7	Bottom	3	1	19.07	8.22	31.0		7.7	3.5	9.2	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS(Mf)9	15:11:35	2.7	Bottom	3	2	19.05	8.22	31.0		7.7	3.6	9.7	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS10	15:21:09	1.0	Surface	1	1	19.06	8.22	32.8		7.8	1.4	4.3	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS10	15:19:41	1.0	Surface	1	2	19.06	8.22	32.7		7.7	1.3	4.6	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS10	15:21:01	6.1	Middle	2	1	19.01	8.22	33.2		7.7	1.7	4.9	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS10	15:19:30	6.1	Middle	2	2	18.97	8.23	33.3		7.7	1.9	4.6	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS10	15:20:51	11.2	Bottom	3	1	18.98	8.22	33.4		7.7	2.1	5.1	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	IS10	15:19:24	11.2	Bottom	3	2	18.94	8.23	33.5		7.6	2.0	5.4	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	--	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	--	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	SR3	14:41:30	0.8	Middle	2	1	19.13	8.23	30.4		7.9	2.4	6	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	SR3	14:41:16	0.8	Middle	2	2	19.15	8.23	30.4		7.9	2.3	5.8	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	--	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	--	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	SR4	15:22:59	1.0	Surface	1	1	19.24	8.21	30.5		7.7	3.2	4	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	SR4	15:22:39	1.0	Surface	1	2	19.23	8.21	30.5		7.7	3.3	3.6	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	--	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	--	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	SR4	15:22:26	2.9	Bottom	3	1	19.30	8.21	30.8		7.7	4.2	3.1	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	SR4	15:22:48	2.9	Bottom	3	2	19.30	8.21	30.8		7.7	4.5	3.2	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	SR5	15:26:19	1.0	Surface	1	1	19.08	8.21	32.7		7.8	1.1	2.8	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	SR5	15:25:25	1.0	Surface	1	2	19.09	8.21	32.6		7.8	1.0	2.9	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	--	SR5	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	--	SR5	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	SR5	15:25:05	4.5	Bottom	3	1	19.03	8.22	33.3		7.8	1.2	3.6	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	SR5	15:25:59	4.5	Bottom	3	2	19.03	8.22	33.3		7.8	1.2	3.7	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	SR10A	17:00:15	1.0	Surface	1	1	20.20	8.32	33.0		7.3	1.9	2.4	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	SR10A	17:00:57	1.0	Surface	1	2	20.19	8.32	33.0		7.3	1.8	2.4	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	SR10A	17:00:41	3.4	Middle	2	1	20.20	8.32	33.0		7.2	1.7	3.6	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	SR10A	16:59:57	3.4	Middle	2	2	20.20	8.32	33.0		7.2	1.8	3.1	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	SR10A	16:59:42	5.7	Bottom	3	1	20.20	8.32	33.0		7.2	2.2	4.2	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	SR10A	17:00:26	5.7	Bottom	3	2	20.20	8.32	33.0		7.2	2.1	4.6	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	SR10B	17:05:55	1.0	Surface	1	1	20.15	8.32	33.0		7.3	1.8	4.9	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	SR10B	17:05:27	1.0	Surface	1	2	20.16	8.32	33.0		7.3	1.7	4.6	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	--	SR10B	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	--	SR10B	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	SR10B	17:05:39	4.1	Bottom	3	1	20.16	8.32	33.0		7.3	1.7	5.7	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	SR10B	17:05:13	4.1	Bottom	3	2	20.16	8.32	33.0		7.3	1.8	5.9	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	CS2	15:51:42	1.0	Surface	1	1	19.09	8.21	32.7		7.8	1.1	5.7	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	CS2	15:52:16	1.0	Surface	1	2	19.07	8.22	32.9		7.8	1.1	6.2	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	CS2	15:51:32	4.2	Middle	2	1	19.06	8.22	33.1		7.7	1.2	5	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	CS2	15:52:10	4.2	Middle	2	2	19.06	8.22	33.2		7.7	1.2	6.5	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	CS2	15:51:10	7.3	Bottom	3	1	19.01	8.21	33.5		7.7	1.6	5.6	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	CS2	15:51:54	7.3	Bottom	3	2	19.03	8.21	33.3		7.7	1.7	6.2	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	CS(Mf)5	16:17:03	1.0	Surface	1	1	20.07	8.30	32.9		7.2	1.5	4.4	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	CS(Mf)5	16:17:50	1.0	Surface	1	2	20.07	8.30	32.9		7.2	1.5	3.5	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	CS(Mf)5	16:17:33	6.7	Middle	2	1	20.05	8.30	32.9		7.2	1.7	3.1	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	CS(Mf)5	16:16:51	6.7	Middle	2	2	20.06	8.30	33.0		7.2	1.6	3.6	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	CS(Mf)5	16:16:35	12.3	Bottom	3	1	20.06	8.30	32.9		7.2	1.7	4.4	
HKLR	HY/2011/03	2012-12-24	Mid-Flood	Sunny	CS(Mf)5	16:17:18	12.3	Bottom	3	2	20.04	8.30	32.9		7.2	1.7	3.3	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS5	10:48:42	1.0	Surface	1	1	18.78	8.26	31.84		7.45	4.1	9.4	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS5	10:49:58	1.0	Surface	1	2	18.78	8.26	31.84		7.45	4.2	9.3	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS5	10:49:36	4.8	Middle	2	1	18.78	8.26	31.85		7.42	4.8	8.9	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS5	10:48:21	4.8	Middle	2	2	18.78	8.26	31.85		7.44	4.6	9.8	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS5	10:49:14	8.6	Bottom	3	1	18.78	8.26	31.86		7.42	5.4	8.4	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS5	10:48:04	8.6	Bottom	3	2	18.78	8.26	31.85		7.43	5.1	8.3	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS(Mf)6	10:59:29	1.0	Surface	1	1	18.83	8.26	31.91		7.48	3.6	6	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS(Mf)6	11:00:16	1.0	Surface	1	2	18.83	8.26	31.91		7.47	3.3	5.2	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	--	IS(Mf)6	--	--	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	2012-12-26	Mid-Ebb	--	IS(Mf)6	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS(Mf)6	10:59:59	2.6	Bottom	3	1	18.83	8.26	31.94		7.48	3.9	5.1	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS(Mf)6	10:59:09	2.6	Bottom	3	2	18.83	8.25	31.94		7.49	4	6.1	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS7	11:09:09	1.0	Surface	1	1	18.83	8.26	31.95		7.52	5.6	9.4	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS7	11:08:23	1.0	Surface	1	2	18.84	8.26	31.95		7.53	5.4	8.4	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	--	IS7	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	--	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS7	11:08:52	2.6	Bottom	3	1	18.83	8.26	31.96		7.52	6.9	8.1	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS7	11:08:04	2.6	Bottom	3	2	18.83	8.26	31.96		7.53	6.8	9.6	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS8	11:38:14	1.0	Surface	1	1	19.13	8.29	32.55		7.5	5.8	8.8	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS8	11:37:31	1.0	Surface	1	2	19.13	8.29	32.55		7.52	5.5	9.1	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	--	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	--	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS8	11:37:58	2.6	Bottom	3	1	19.01	8.29	32.56		7.51	6.3	8	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS8	11:37:14	2.6	Bottom	3	2	19.03	8.29	32.58		7.51	6.5	7.9	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS(Mf)9	11:18:20	1.0	Surface	1	1	19.15	8.28	32.25		7.52	6.5	8.2	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS(Mf)9	11:17:36	1.0	Surface	1	2	19.15	8.28	32.3		7.52	6.6	7.9	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	--	IS(Mf)9	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	--	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS(Mf)9	11:17:14	2.7	Bottom	3	1	18.99	8.29	32.53		7.5	7	7	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS(Mf)9	11:18:00	2.7	Bottom	3	2	18.98	8.29	32.52		7.5	7	7.7	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS10	10:41:23	1.0	Surface	1	1	20.22	8.08	30.48		6.62	3.7	8.8	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS10	10:40:13	1.0	Surface	1	2	20.22	8.09	30.47		6.6	3.6	9.4	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS10	10:40:00	5.5	Middle	2	1	19.97	8.07	30.61		6.45	3.8	9.4	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS10	10:40:58	5.5	Middle	2	2	20.07	8.08	30.55		6.5	3.9	9.1	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS10	10:40:36	10.0	Bottom	3	1	19.99	8.07	30.85		6.53	3.8	7.9	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	IS10	10:39:46	10.0	Bottom	3	2	19.93	8.05	30.93		6.49	4	8.5	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	--	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	--	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	SR3	10:32:51	0.9	Middle	2	1	18.7	8.27	31.83		7.5	3.9	7.7	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	SR3	10:32:35	0.9	Middle	2	2	18.71	8.27	31.82		7.51	3.9	8.4	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	--	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	--	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	SR4	11:26:42	1.0	Surface	1	1	19.1	8.29	32.52		7.55	6.8	10.9	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	SR4	11:27:33	1.0	Surface	1	2	19.11	8.29	32.52		7.56	6.9	9.8	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	--	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	--	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	SR4	11:27:16	2.5	Bottom	3	1	19.11	8.29	32.52		7.55	7.9	10	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	SR4	11:26:23	2.5	Bottom	3	2	19.1	8.29	32.53		7.55	8.4	9.6	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	SR5	10:50:53	1.0	Surface	1	1	19.91	8.06	30.78		6.38	4.5	11.1	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	SR5	10:50:06	1.0	Surface	1	2	19.91	8.06	30.84		6.37	4.4	11.2	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	--	SR5	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	--	SR5	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	SR5	10:49:51	3.7	Bottom	3	1	19.91	8.06	30.88		6.39	4.2	9.2	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	SR5	10:50:31	3.7	Bottom	3	2	19.91	8.06	30.86		6.36	4.4	10.6	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	SR10A	12:47:28	1.0	Surface	1	1	20.04	8.3	33.03		7.08	1.4	5.1	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	SR10A	12:46:19	1.0	Surface	1	2	20.03	8.3	33.03		7.08	1.5	5.4	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	SR10A	12:47:07	3.4	Middle	2	1	20.02	8.3	33.03		7.06	1.6	5.4	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	SR10A	12:46:00	3.4	Middle	2	2	20.02	8.3	33.03		7.07	1.8	5.7	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	SR10A	12:45:43	5.8	Bottom	3	1	20.02	8.3	33.03		7.08	1.7	4.6	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	SR10A	12:46:47	5.8	Bottom	3	2	20.01	8.3	33.03		7.05	1.6	5.1	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	SR10B	12:58:33	1.0	Surface	1	1	20.07	8.3	33.03		7.1	2	5.9	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	SR10B	12:59:22	1.0	Surface	1	2	20.07	8.3	33.04		7.09	2.1	6.7	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	--	SR10B	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	--	SR10B	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	SR10B	12:59:04	4.7	Bottom	3	1	20.05	8.3	33.05		7.09	2.5	6.6	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	SR10B	12:58:15	4.7	Bottom	3	2	20.05	8.3	33.05		7.1	2.4	6	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	CS2	11:33:11	1.0	Surface	1	1	20.15	8.02	30.21		7.04	8.1	10.9	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	CS2	11:32:07	1.0	Surface	1	2	20.15	8.03	30.2		6.98	8.2	11.3	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	CS2	11:32:50	3.8	Middle	2	1	20	8.03	31.37		6.89	8.4	11	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	CS2	11:31:42	3.8	Middle	2	2	20.02	8.04	31.09		6.92	8.5	11.8	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	CS2	11:32:28	6.6	Bottom	3	1	19.87	8.04	31.69		6.94	8.4	11.6	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	CS2	11:31:27	6.6	Bottom	3	2	19.94	8.04	31.66		6.88	8.9	10.8	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	CS(Mf)5	12:16:38	1.0	Surface	1	1	19.84	8.3	32.9		7.19	1.6	4.5	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	CS(Mf)5	12:17:57	1.0	Surface	1	2	19.85	8.3	32.9		7.19	1.8	5.3	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	CS(Mf)5	12:17:31	6.9	Middle	2	1	19.9	8.3	32.93		7.1	2.2	6.4	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	CS(Mf)5	12:16:15	6.9	Middle	2	2	19.87	8.3	32.93		7.12	1.9	5.3	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	CS(Mf)5	12:15:59	12.8	Bottom	3	1	19.98	8.3	33		7.1	3.2	5.7	
HKLR	HY/2011/03	2012-12-26	Mid-Ebb	Fine	CS(Mf)5	12:17:11	12.8	Bottom	3	2	19.98	8.3	33		7.09	3.1	5	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS5	07:27:03	1.0	Surface	1	1	18.79	8.26	31.86		7.4	3.1	6.7	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS5	07:25:50	1.0	Surface	1	2	18.76	8.26	31.87		7.43	3	6	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS5	07:26:44	4.8	Middle	2	1	18.83	8.26	31.91		7.39	3.6	7.2	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS5	07:25:30	4.8	Middle	2	2	18.84	8.26	31.93		7.4	3.4	6.5	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS5	07:25:08	8.6	Bottom	3	1	18.81	8.26	31.97		7.43	4.9	6.1	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS5	07:26:21	8.6	Bottom	3	2	18.82	8.26	31.95		7.38	4.8	5.8	

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	2012-12-26	Mid-Flood	Fine	IS(Mf)6	07:14:10	1.0	Surface	1	1	18.71	8.26	31.87		7.51	5.1	4.5	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS(Mf)6	07:14:56	1.0	Surface	1	2	18.71	8.26	31.87		7.51	4.9	4.6	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	--	IS(Mf)6	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	--	IS(Mf)6	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS(Mf)6	07:13:52	2.4	Bottom	3	1	18.7	8.26	31.88		7.51	6.1	7.7	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS(Mf)6	07:14:39	2.4	Bottom	3	2	18.71	8.26	31.87		7.51	6.4	6.6	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS7	07:05:14	1.0	Surface	1	1	18.9	8.26	32		7.49	5.8	6.9	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS7	07:06:00	1.0	Surface	1	2	18.9	8.26	32		7.48	5.6	6.2	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	--	IS7	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	--	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS7	07:04:53	2.5	Bottom	3	1	18.88	8.26	32.02		7.49	7.7	8.4	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS7	07:05:42	2.5	Bottom	3	2	18.89	8.26	32.01		7.48	7.5	7.3	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS8	06:35:15	1.0	Surface	1	1	18.97	8.29	32.47		7.54	9.2	12.3	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS8	06:36:13	1.0	Surface	1	2	18.98	8.29	32.47		7.52	9.5	11.3	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	--	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	--	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS8	06:35:47	2.6	Bottom	3	1	18.99	8.28	32.47		7.52	11.4	11.7	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS8	06:34:56	2.6	Bottom	3	2	18.98	8.28	32.48		7.54	11.3	10.3	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS(Mf)9	06:56:24	1.0	Surface	1	1	18.95	8.29	32.46		7.55	4.8	10.2	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS(Mf)9	06:57:10	1.0	Surface	1	2	18.99	8.28	32.4		7.53	4.9	9.9	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	--	IS(Mf)9	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	--	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS(Mf)9	06:56:01	2.5	Bottom	3	1	18.95	8.29	32.46		7.55	4.5	14.6	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS(Mf)9	06:56:52	2.5	Bottom	3	2	18.97	8.28	32.44		7.53	4.2	14.6	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS10	07:46:16	1.0	Surface	1	1	19.92	8.04	30.57		6.42	4.5	10.6	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS10	07:45:18	1.0	Surface	1	2	19.93	8.03	30.56		6.45	4.6	9	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS10	07:45:55	5.4	Middle	2	1	19.96	8.05	30.67		6.4	4.7	9.8	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS10	07:44:59	5.4	Middle	2	2	19.96	8.03	30.67		6.45	4.6	9.3	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS10	07:45:38	9.8	Bottom	3	1	19.95	8.03	30.69		6.39	4.8	9.3	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	IS10	07:44:47	9.8	Bottom	3	2	19.91	8.03	30.69		6.51	4.7	9.3	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	--	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	--	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	SR3	07:38:37	0.8	Middle	2	1	18.76	8.26	31.84		7.49	5.5	9.5	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	SR3	07:38:12	0.8	Middle	2	2	18.76	8.26	31.84		7.5	5.4	8.1	
HKLR	HY/2011/03	2012-12-26	Mid-Flood		SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	--	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	--	SR4	06:46:46	1.0	Surface	1	1	18.94	8.28	32.48		7.55	11.8	13.2	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	SR4	06:47:32	1.0	Surface	1	2	18.94	8.28	32.47		7.55	11.6	14.5	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	--	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	--	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	SR4	06:46:27	2.4	Bottom	3	1	18.94	8.28	32.47		7.56	10.2	14.3	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	SR4	06:47:15	2.4	Bottom	3	2	18.94	8.28	32.47		7.55	9.9	13.7	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	SR5	07:33:51	1.0	Surface	1	1	20.01	8.03	30.38		6.5	4.6	12.6	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	SR5	07:34:18	1.0	Surface	1	2	19.93	8.04	30.42		6.27	4.6	12	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	--	SR5	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	--	SR5	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	SR5	07:33:33	4.0	Bottom	3	1	19.84	8.03	30.58		6.48	4.7	11.3	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	SR5	07:34:02	4.0	Bottom	3	2	19.86	8.03	30.61		6.25	4.7	11.7	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	SR10A	05:32:09	1.0	Surface	1	1	19.94	8.28	32.88		7.16	3.4	6	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	SR10A	05:33:12	1.0	Surface	1	2	19.94	8.28	32.88		7.16	3.3	5.3	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	SR10A	05:31:52	3.3	Middle	2	1	19.94	8.28	32.89		7.15	3.3	5.5	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	SR10A	05:32:53	3.3	Middle	2	2	19.95	8.28	32.89		7.15	3.2	5.2	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	SR10A	05:31:32	5.6	Bottom	3	1	19.95	8.28	32.89		7.14	2.6	8.8	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	SR10A	05:32:34	5.6	Bottom	3	2	19.95	8.28	32.89		7.14	2.5	9.1	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	SR10B	05:17:27	1.0	Surface	1	1	19.99	8.27	32.95		7.17	3.5	9	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	SR10B	05:16:41	1.0	Surface	1	2	19.99	8.27	32.96		7.18	3.7	9	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	--	SR10B	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	--	SR10B	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	SR10B	05:16:21	4.5	Bottom	3	1	19.99	8.27	32.96		7.19	3.5	9.3	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	SR10B	05:17:09	4.5	Bottom	3	2	19.99	8.27	32.96		7.17	3.5	9.5	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	CS2	08:27:21	1.0	Surface	1	1	19.99	8.02	30.51		6.73	8.5	13.1	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	CS2	08:26:20	1.0	Surface	1	2	20	8.04	30.7		6.82	8.6	14.9	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	CS2	08:27:03	4.1	Middle	2	1	19.97	8.03	30.57		6.74	8.7	14	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	CS2	08:25:52	4.1	Middle	2	2	19.99	8.03	31.05		6.87	8.5	13.6	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	CS2	08:26:43	7.1	Bottom	3	1	19.94	8.03	30.74		6.78	8.7	13.9	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	CS2	08:25:27	7.1	Bottom	3	2	19.93	8.03	31.28		6.88	8.7	14	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	CS(Mf)5	06:01:25	1.0	Surface	1	1	19.6	8.28	32.66		7.28	4.5	9	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	CS(Mf)5	06:00:15	1.0	Surface	1	2	19.6	8.28	32.66		7.28	4.3	9.4	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	CS(Mf)5	06:01:05	6.7	Middle	2	1	19.61	8.28	32.66		7.25	5.5	9.9	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	CS(Mf)5	05:59:54	6.7	Middle	2	2	19.61	8.28	32.66		7.26	5.9	8.3	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	CS(Mf)5	05:59:37	12.4	Bottom	3	1	19.61	8.28	32.66		7.25	6.3	9	
HKLR	HY/2011/03	2012-12-26	Mid-Flood	Fine	CS(Mf)5	06:00:47	12.4	Bottom	3	2	19.61	8.28	32.66		7.23	6.3	10.2	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS5	11:54:46	1.0	Surface	1	1	18.93	8.27	32.32		7.47	4.3	5.2	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS5	11:55:31	1.0	Surface	1	2	18.93	8.27	32.32		7.47	4.2	5.6	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS5	11:54:35	4.6	Middle	2	1	18.91	8.27	32.32		7.44	4.3	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	2012-12-28	Mid-Ebb	Sunny	IS5	11:55:17	4.6	Middle	2	2	18.89	8.27	32.33		7.44	4.5	6.2	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS5	11:55:03	8.1	Bottom	3	1	18.84	8.27	32.33		7.43	4.5	6.4	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS5	11:54:16	8.1	Bottom	3	2	18.84	8.27	32.33		7.43	4.6	5.8	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS(Mf)6	12:03:16	1.0	Surface	1	1	18.91	8.27	32.32		7.5	10.5	9.1	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS(Mf)6	12:02:53	1.0	Surface	1	2	18.91	8.27	32.32		7.51	10.7	9	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	--	IS(Mf)6	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	--	IS(Mf)6	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS(Mf)6	12:02:43	2.1	Bottom	3	1	18.9	8.27	32.32		7.5	10.4	8.7	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS(Mf)6	12:03:04	2.1	Bottom	3	2	18.9	8.27	32.32		7.5	10.5	8.8	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS7	12:09:12	1.0	Surface	1	1	19.3	8.28	32.35		7.64	5.2	7	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS7	12:09:39	1.0	Surface	1	2	19.32	8.28	32.35		7.64	5.3	6	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	--	IS7	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	--	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS7	12:09:26	2.3	Bottom	3	1	19.12	8.28	32.39		7.64	5.9	6.7	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS7	12:08:57	2.3	Bottom	3	2	19.14	8.28	32.38		7.64	6.1	7.1	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS8	12:30:55	1.0	Surface	1	1	19.44	8.29	32.6		7.69	3.9	5.5	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS8	12:31:22	1.0	Surface	1	2	19.33	8.29	32.58		7.66	3.8	5.3	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	--	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	--	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS8	12:30:42	2.8	Bottom	3	1	19.08	8.3	32.62		7.69	4.1	4.4	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS8	12:31:05	2.8	Bottom	3	2	19.11	8.3	32.61		7.68	4.1	5.4	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS(Mf)9	12:16:37	1.0	Surface	1	1	19.14	8.29	32.36		7.66	2.7	4.8	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS(Mf)9	12:16:08	1.0	Surface	1	2	19.39	8.28	32.36		7.66	2.7	3.7	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	--	IS(Mf)9	--		Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	--	IS(Mf)9	--		Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS(Mf)9	12:16:19	2.7	Bottom	3	1	19.02	8.29	32.51		7.66	2.8	3	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS(Mf)9	12:15:53	2.7	Bottom	3	2	19.06	8.29	32.48		7.66	2.9	4	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS10	11:41:57	1.0	Surface	1	1	18.9	8.15	33.48		7.34	2.8	7.1	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS10	11:41:29	1.0	Surface	1	2	18.89	8.15	33.48		7.35	2.6	7	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS10	11:41:52	5.5	Middle	2	1	18.87	8.15	33.49		7.33	2.6	6.9	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS10	11:41:20	5.5	Middle	2	2	18.85	8.15	33.49		7.33	2.7	6.8	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS10	11:41:12	9.9	Bottom	3	1	18.85	8.15	33.49		7.32	2.7	6.1	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	IS10	11:41:44	9.9	Bottom	3	2	18.86	8.15	33.49		7.32	2.5	5.5	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	--	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	--	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	SR3	11:47:21	0.7	Middle	2	1	18.89	8.28	32.34		7.53	5.8	6.2	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	SR3	11:47:33	0.7	Middle	2	2	18.89	8.28	32.33		7.52	5.7	5.2	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	--	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	--	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	SR4	12:26:03	1.0	Surface	1	1	19.74	8.29	32.61		7.62	5	3.7	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	SR4	12:26:27	1.0	Surface	1	2	19.62	8.29	32.67		7.62	5.1	4.1	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	--	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	--	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	SR4	12:25:48	2.6	Bottom	3	1	19.27	8.29	32.58		7.61	5.8	3.7	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	SR4	12:26:15	2.6	Bottom	3	2	19.19	8.29	32.61		7.61	6.2	4.1	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	SR5	11:48:41	1.0	Surface	1	1	18.92	8.15	33.42		7.37	2	5.4	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	SR5	11:48:24	1.0	Surface	1	2	18.94	8.15	33.41		7.37	2.1	6.3	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	--	SR5	--		Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	--	SR5	--		Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	SR5	11:48:33	4.6	Bottom	3	1	18.92	8.15	33.42		7.36	2.1	6.6	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	SR5	11:48:12	4.6	Bottom	3	2	18.9	8.15	33.42		7.36	2.1	5.8	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	SR10A	13:53:52	1.0	Surface	1	1	19.97	8.28	32.9		7.04	2.4	4.1	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	SR10A	13:53:03	1.0	Surface	1	2	19.95	8.28	32.9		7.03	2.6	3.6	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	SR10A	13:52:51	3.3	Middle	2	1	19.92	8.28	32.91		7	2.4	5.2	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	SR10A	13:53:35	3.3	Middle	2	2	19.93	8.28	32.9		7.03	2.2	4.9	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	SR10A	13:52:40	5.5	Bottom	3	1	19.9	8.28	32.9		6.99	2.5	5.2	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	SR10A	13:53:19	5.5	Bottom	3	2	19.93	8.28	32.9		7.02	2.6	4.9	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	SR10B	13:59:08	1.0	Surface	1	1	19.94	8.28	32.9		7	3.2	4.4	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	SR10B	13:59:43	1.0	Surface	1	2	19.94	8.28	32.9		6.99	3.2	3.8	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	--	SR10B	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	--	SR10B	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	SR10B	13:58:47	4.3	Bottom	3	1	19.93	8.28	32.9		6.99	3.4	3.9	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	SR10B	13:59:25	4.3	Bottom	3	2	19.92	8.28	32.9		6.98	3.6	4.1	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	CS2	12:29:31	1.0	Surface	1	1	18.95	8.16	33.69		7.41	7.3	12.7	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	CS2	12:30:05	1.0	Surface	1	2	19.06	8.17	33.67		7.41	7.5	13.1	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	CS2	12:29:20	4.3	Middle	2	1	18.89	8.16	33.69		7.4	7.5	13	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	CS2	12:29:53	4.3	Middle	2	2	18.87	8.16	33.69		7.39	7.8	12.9	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	CS2	12:29:42	7.5	Bottom	3	1	18.89	8.16	33.68		7.4	9	12.5	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	CS2	12:29:09	7.5	Bottom	3	2	18.87	8.16	33.69		7.4	8.3	11.7	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	CS(Mf)5	13:24:32	1.0	Surface	1	1	20.17	8.28	32.89		7.03	1.9	2.7	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	CS(Mf)5	13:23:40	1.0	Surface	1	2	20.09	8.28	32.93		7	2	4	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	CS(Mf)5	13:24:12	6.3	Middle	2	1	19.83	8.28	32.89		6.95	2.2	3.5	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	CS(Mf)5	13:23:26	6.3	Middle	2	2	19.83	8.28	32.89		6.95	2.4	4.7	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	CS(Mf)5	13:23:09	11.6	Bottom	3	1	19.83	8.28	32.89		6.96	2.4	4	
HKLR	HY/2011/03	2012-12-28	Mid-Ebb	Sunny	CS(Mf)5	13:23:56	11.6	Bottom	3	2	19.85	8.28	32.89		6.96	2.4	4.7	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS5	08:38:03	1.0	Surface	1	1	18.76	8.27	32.35		7.45	3.7	5.4	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS5	08:38:49	1.0	Surface	1	2	18.77	8.27	32.36		7.45	3.7	3.8	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS5	08:38:35	4.3	Middle	2	1	18.77	8.27	32.35		7.42	3.7	4.2	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS5	08:37:48	4.3	Middle	2	2	18.78	8.27	32.37		7.42	3.8	3.7	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS5	08:37:37	7.5	Bottom	3	1	18.79	8.27	32.38		7.42	3.7	4.7	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS5	08:38:19	7.5	Bottom	3	2	18.79	8.27	32.38		7.41	3.7	4.1	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS(Mf)6	08:30:01	1.0	Surface	1	1	18.8	8.28	32.43		7.52	11.6	9.9	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS(Mf)6	08:29:38	1.0	Surface	1	2	18.79	8.28	32.43		7.52	11.9	9.6	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	--	IS(Mf)6	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	--	IS(Mf)6	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS(Mf)6	08:29:49	2.2	Bottom	3	1	18.79	8.28	32.43		7.52	11.7	17.3	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS(Mf)6	08:29:22	2.2	Bottom	3	2	18.79	8.28	32.43		7.52	12.1	16.4	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS7	08:21:37	1.0	Surface	1	1	18.77	8.28	32.43		7.54	6.2	9.1	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS7	08:22:00	1.0	Surface	1	2	18.78	8.28	32.43		7.54	6.2	9.3	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	--	IS7	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	--	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS7	08:21:47	2.2	Bottom	3	1	18.78	8.28	32.44		7.54	6.9	8.1	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS7	08:21:25	2.2	Bottom	3	2	18.78	8.28	32.44		7.55	6.8	8.3	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS8	07:56:47	1.0	Surface	1	1	18.87	8.28	32.46		7.49	7.5	7.3	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS8	07:57:17	1.0	Surface	1	2	18.88	8.28	32.46		7.48	7.4	7.5	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	--	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	--	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS8	07:57:03	3.2	Bottom	3	1	18.89	8.28	32.47		7.48	7.6	7.7	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS8	07:56:34	3.2	Bottom	3	2	18.89	8.28	32.46		7.48	7.4	7.8	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS(Mf)9	08:13:55	1.0	Surface	1	1	18.83	8.29	32.52		7.57	5.6	7	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS(Mf)9	08:14:19	1.0	Surface	1	2	18.82	8.29	32.52		7.55	5.5	6.6	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	--	IS(Mf)9	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	--	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS(Mf)9	08:14:05	2.6	Bottom	3	1	18.83	8.29	32.53		7.55	6.3	9.9	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS(Mf)9	08:13:42	2.6	Bottom	3	2	18.82	8.29	32.54		7.58	6.3	8.8	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS10	09:14:35	1.0	Surface	1	1	18.88	8.14	33.41		7.35	4.9	13.4	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS10	09:13:55	1.0	Surface	1	2	18.86	8.14	33.5		7.35	4.5	12.8	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS10	09:13:47	5.6	Middle	2	1	18.89	8.15	33.61		7.32	4.9	12	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS10	09:14:22	5.6	Middle	2	2	18.88	8.15	33.55		7.32	4.4	12.1	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS10	09:14:15	10.2	Bottom	3	1	18.89	8.15	33.62		7.32	5.6	12	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	IS10	09:13:37	10.2	Bottom	3	2	18.91	8.15	33.64		7.32	5.4	12.1	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	--	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	--	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	SR3	08:44:24	0.9	Middle	2	1	18.76	8.27	32.3		7.52	4.5	6.2	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	SR3	08:44:40	0.9	Middle	2	2	18.76	8.27	32.3		7.5	4.6	5.8	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	--	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	--	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	SR4	08:02:21	1.0	Surface	1	1	18.87	8.28	32.47		7.51	6.5	5.7	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	SR4	08:02:47	1.0	Surface	1	2	18.86	8.28	32.46		7.5	6.7	6.9	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	--	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	--	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	SR4	08:02:10	3.0	Bottom	3	1	18.91	8.29	32.56		7.51	6.7	6.4	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	SR4	08:02:35	3.0	Bottom	3	2	18.91	8.29	32.57		7.49	7	6.5	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	SR5	09:06:37	1.0	Surface	1	1	18.83	8.14	33.51		7.33	3.5	6.6	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	SR5	09:06:10	1.0	Surface	1	2	18.82	8.14	33.52		7.34	3.8	6.4	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	--	SR5	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	--	SR5	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	SR5	09:06:23	4.3	Bottom	3	1	18.81	8.14	33.53		7.33	3.9	9.2	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	SR5	09:06:00	4.3	Bottom	3	2	18.81	8.14	33.53		7.33	3.6	9.2	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	SR10A	06:58:01	1.0	Surface	1	1	19.8	8.27	32.79		7.02	4.8	4.9	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	SR10A	06:57:24	1.0	Surface	1	2	19.8	8.26	32.8		7.04	5.1	4.6	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	SR10A	06:57:11	3.3	Middle	2	1	19.8	8.26	32.8		7.02	5.4	5.4	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	SR10A	06:57:46	3.3	Middle	2	2	19.8	8.27	32.8		7.01	5.7	5.3	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	SR10A	06:56:59	5.5	Bottom	3	1	19.8	8.26	32.8		7.01	5.1	9.2	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	SR10A	06:57:34	5.5	Bottom	3	2	19.8	8.26	32.8		7.01	5	9.8	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	SR10B	06:51:56	1.0	Surface	1	1	19.79	8.24	32.82		7.03	6.8	11.6	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	SR10B	06:51:33	1.0	Surface	1	2	19.79	8.24	32.83		7.04	6.7	12.4	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	--	SR10B	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	--	SR10B	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	SR10B	06:51:43	4.0	Bottom	3	1	19.79	8.24	32.83		7.02	7.1	12.3	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	SR10B	06:51:15	4.0	Bottom	3	2	19.8	8.24	32.83		7.04	6.7	12.5	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	CS2	08:31:06	1.0	Surface	1	1	18.86	8.15	33.27		7.35	11.5	15.9	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	CS2	08:31:45	1.0	Surface	1	2	18.86	8.14	33.26		7.34	12	15	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	CS2	08:30:54	4.0	Middle	2	1	18.86	8.14	33.27		7.33	10.7	17.4	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	CS2	08:31:35	4.0	Middle	2	2	18.86	8.15	33.26		7.32	10.1	17.7	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	CS2	08:30:43	7.0	Bottom	3	1	18.86	8.14	33.27		7.34	11.6	17.8	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	CS2	08:31:22	7.0	Bottom	3	2	18.86	8.15	33.26		7.32	12.2	16.4	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	CS(Mf)5	07:26:09	1.0	Surface	1	1	19.37	8.28	32.63		7.29	9.2	10.5	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	CS(Mf)5	07:25:14	1.0	Surface	1	2	19.37	8.28	32.63		7.29	8.9	10.4	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	CS(Mf)5	07:25:50	6.1	Middle	2	1	19.38	8.28	32.63		7.26	11.6	11	

Project	Works	Date (yyyy-mm-dd)	Tide	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	2012-12-28	Mid-Flood	Cloudy	CS(Mf)5	07:25:00	6.1	Middle	2	2	19.37	8.28	32.63		7.26	11.1	9.9	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	CS(Mf)5	07:25:34	11.2	Bottom	3	1	19.37	8.28	32.62		7.24	12.3	9.8	
HKLR	HY/2011/03	2012-12-28	Mid-Flood	Cloudy	CS(Mf)5	07:24:43	11.2	Bottom	3	2	19.37	8.28	32.63		7.26	12.5	10.4	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS5	13:28:34	1.0	Surface	1	1	17.13	8.32	32.08		7.89	3.7	5	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS5	13:29:10	1.0	Surface	1	2	17.14	8.32	32.07		7.87	3.7	4.7	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS5	13:28:24	4.4	Middle	2	1	17.07	8.32	32.08		7.85	3.8	6.8	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS5	13:28:59	4.4	Middle	2	2	17.05	8.32	32.08		7.84	3.8	6.6	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS5	13:28:12	7.8	Bottom	3	1	17	8.32	32.09		7.85	4	6.9	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS5	13:28:47	7.8	Bottom	3	2	17.03	8.32	32.08		7.85	4.1	6.3	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS(Mf)6	13:35:17	1.0	Surface	1	1	17.04	8.31	32.09		7.93	10.3	8.2	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS(Mf)6	13:35:40	1.0	Surface	1	2	17.07	8.32	32.1		7.92	10.1	7.1	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	--	IS(Mf)6	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	--	IS(Mf)6	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS(Mf)6	13:35:27	2.2	Bottom	3	1	17.04	8.31	32.09		7.92	12.8	10.8	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS(Mf)6	13:35:04	2.2	Bottom	3	2	17.04	8.31	32.09		7.93	12.8	11.6	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS7	13:42:50	1.0	Surface	1	1	17.77	8.31	32.19		7.82	9.9	10.8	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS7	13:42:22	1.0	Surface	1	2	17.73	8.31	32.18		7.84	9.4	11.8	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	--	IS7	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	--	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS7	13:42:10	2.3	Bottom	3	1	17.32	8.31	32.12		7.84	11	10.9	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS7	13:42:38	2.3	Bottom	3	2	17.33	8.31	32.13		7.83	11.6	10.4	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS8	14:06:42	1.0	Surface	1	1	17.95	8.31	32.2		7.69	6.7	9.5	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS8	14:06:11	1.0	Surface	1	2	17.87	8.31	32.19		7.7	6.7	8.9	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	--	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	--	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS8	14:05:52	3.1	Bottom	3	1	17.72	8.3	32.2		7.7	6.5	8.7	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS8	14:06:25	3.1	Bottom	3	2	17.76	8.3	32.2		7.7	6.6	9.9	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS(Mf)9	13:50:57	1.0	Surface	1	1	17.47	8.31	32.16		7.89	8.2	9.5	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS(Mf)9	13:50:34	1.0	Surface	1	2	17.33	8.31	32.16		7.88	8.5	10.3	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	--	IS(Mf)9	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	--	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS(Mf)9	13:50:24	2.7	Bottom	3	1	17.08	8.31	32.09		7.87	8.8	9.7	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS(Mf)9	13:50:44	2.7	Bottom	3	2	17.15	8.32	32.07		7.87	8.4	9.5	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS10	13:25:28	1.0	Surface	1	1	17.81	8.19	33.1		7.6	3.2	7.3	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS10	13:24:22	1.0	Surface	1	2	17.83	8.19	33.02		7.58	2.9	8.4	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS10	13:25:10	5.6	Middle	2	1	17.75	8.17	33.03		7.43	3.7	10.5	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS10	13:23:56	5.6	Middle	2	2	17.76	8.18	33.04		7.42	3.6	10.5	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS10	13:24:41	10.1	Bottom	3	1	18.02	8.18	33.29		7.4	5	9.6	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	IS10	13:23:36	10.1	Bottom	3	2	18.03	8.17	33.27		7.33	4.6	9.6	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	--	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	--	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	SR3	13:20:58	0.8	Middle	2	1	17.12	8.35	32.02		8.25	5	14.9	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	SR3	13:21:10	0.8	Middle	2	2	17.12	8.34	32.02		8.16	5	15.3	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	--	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	--	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	SR4	14:01:11	1.0	Surface	1	1	17.97	8.31	32.25		7.67	7.1	12	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	SR4	14:00:47	1.0	Surface	1	2	18.13	8.31	32.25		7.69	7.3	11	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	--	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	--	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	SR4	14:00:36	2.7	Bottom	3	1	17.94	8.31	32.22		7.69	7.7	14.3	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	SR4	14:00:59	2.7	Bottom	3	2	18.04	8.31	32.23		7.67	7.6	13	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	SR5	13:33:42	1.0	Surface	1	1	17.83	8.19	33.02		7.6	2.9	7.5	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	SR5	13:34:32	1.0	Surface	1	2	17.84	8.19	33.02		7.62	2.8	7.2	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	--	SR5	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	--	SR5	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	SR5	13:34:11	4.4	Bottom	3	1	17.77	8.18	33.04		7.58	3.3	7.3	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	SR5	13:33:18	4.4	Bottom	3	2	17.75	8.18	33.05		7.57	3.2	8.3	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	SR10A	15:36:38	1.0	Surface	1	1	19.56	8.36	33.09		7.24	2.5	7.1	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	SR10A	15:37:10	1.0	Surface	1	2	19.56	8.36	33.09		7.23	2.5	6.5	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	SR10A	15:36:57	3.2	Middle	2	1	19.56	8.36	33.1		7.22	2.5	5.2	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	SR10A	15:36:26	3.2	Middle	2	2	19.57	8.36	33.09		7.23	2.5	4.9	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	SR10A	15:36:13	5.4	Bottom	3	1	19.56	8.36	33.09		7.23	2.6	5.2	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	SR10A	15:36:49	5.4	Bottom	3	2	19.55	8.36	33.09		7.22	2.6	4.9	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	SR10B	15:41:48	1.0	Surface	1	1	19.54	8.35	33.09		7.23	3.1	7.6	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	SR10B	15:41:18	1.0	Surface	1	2	19.54	8.35	33.09		7.24	3	7.4	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	--	SR10B	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	--	SR10B	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	SR10B	15:41:03	4.7	Bottom	3	1	19.54	8.35	33.09		7.23	3.1	6.5	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	SR10B	15:41:31	4.7	Bottom	3	2	19.54	8.35	33.09		7.21	3.1	7.6	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	CS2	14:02:23	1.0	Surface	1	1	18.36	8.26	33.83		7.57	9.9	23.6	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	CS2	14:03:13	1.0	Surface	1	2	18.36	8.26	33.84		7.52	9.7	25.3	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	CS2	14:02:59	4.0	Middle	2	1	18.36	8.27	33.93		7.5	10.3	25.9	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	CS2	14:02:09	4.0	Middle	2	2	18.35	8.26	33.93		7.59	10.1	25	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	CS2	14:01:50	6.9	Bottom	3	1	18.27	8.26	33.91		7.65	13.4	25.8	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	CS2	14:02:46	6.9	Bottom	3	2	18.28	8.26	33.91		7.5	13.7	24.4	

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	2012-12-31	Mid-Ebb	Sunny	CS(Mf)5	14:48:43	1.0	Surface	1	1	19.74	8.35	33.07		7.24	2.5	5.3	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	CS(Mf)5	14:49:36	1.0	Surface	1	2	19.74	8.35	33.07		7.23	2.7	6	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	CS(Mf)5	14:48:28	6.5	Middle	2	1	19.62	8.36	33.08		7.2	2.5	5.3	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	CS(Mf)5	14:49:21	6.5	Middle	2	2	19.61	8.36	33.08		7.18	2.5	6.3	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	CS(Mf)5	14:48:08	11.9	Bottom	3	1	19.57	8.36	33.08		7.19	2.6	5.2	
HKLR	HY/2011/03	2012-12-31	Mid-Ebb	Sunny	CS(Mf)5	14:49:03	11.9	Bottom	3	2	19.57	8.35	33.08		7.17	2.7	5.8	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS5	10:12:04	1.0	Surface	1	1	17.09	8.31	32.09		7.78	4.7	5.9	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS5	10:12:54	1.0	Surface	1	2	17.09	8.31	32.09		7.77	4.7	5.1	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS5	10:11:50	4.5	Middle	2	1	17.04	8.31	32.09		7.77	5.5	7.6	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS5	10:12:38	4.5	Middle	2	2	17.06	8.31	32.09		7.76	5.6	8.6	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS5	10:12:23	8.0	Bottom	3	1	17.04	8.31	32.09		7.74	6.7	8.3	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS5	10:11:37	8.0	Bottom	3	2	17	8.31	32.09		7.75	6.6	8.8	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS(Mf)6	10:03:04	1.0	Surface	1	1	17.07	8.31	32.02		7.89	6.7	13.1	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS(Mf)6	10:03:38	1.0	Surface	1	2	17.07	8.31	32.02		7.88	6.5	12.7	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	--	IS(Mf)6	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	--	IS(Mf)6	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS(Mf)6	10:03:20	2.1	Bottom	3	1	17.05	8.31	32.03		7.88	7.6	12	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS(Mf)6	10:02:50	2.1	Bottom	3	2	17.07	8.31	32.03		7.89	7.3	12.4	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS7	09:55:57	1.0	Surface	1	1	17.42	8.31	32.1		7.76	6.8	11.4	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS7	09:55:35	1.0	Surface	1	2	17.43	8.31	32.1		7.77	6.9	10.4	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	--	IS7	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	--	IS7	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS7	09:55:46	2.3	Bottom	3	1	17.44	8.31	32.11		7.75	7.9	10	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS7	09:55:23	2.3	Bottom	3	2	17.44	8.31	32.12		7.79	8.2	11.3	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS8	09:29:04	1.0	Surface	1	1	17.31	8.31	32.1		7.72	12.8	18.7	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS8	09:29:29	1.0	Surface	1	2	17.32	8.31	32.1		7.72	12.7	18.8	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	--	IS8	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	--	IS8	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS8	09:29:15	2.8	Bottom	3	1	17.3	8.31	32.1		7.7	13.6	18.8	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS8	09:28:47	2.8	Bottom	3	2	17.3	8.31	32.1		7.71	13.5	17.8	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS(Mf)9	09:47:33	1.0	Surface	1	1	17.55	8.31	32.18		7.7	13.4	16.9	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS(Mf)9	09:47:05	1.0	Surface	1	2	17.56	8.31	32.18		7.74	13.3	16.3	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	--	IS(Mf)9	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	--	IS(Mf)9	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS(Mf)9	09:47:18	2.5	Bottom	3	1	17.54	8.31	32.16		7.7	15.7	16.6	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS(Mf)9	09:46:55	2.5	Bottom	3	2	17.45	8.31	32.16		7.76	15.4	16.7	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS10	10:39:36	1.0	Surface	1	1	18.13	8.15	33.41		7.33	6.7	13	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS10	10:38:48	1.0	Surface	1	2	18.12	8.16	33.42		7.34	7	11.7	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS10	10:38:28	5.9	Middle	2	1	18.12	8.16	33.41		7.32	8.8	13.3	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS10	10:39:17	5.9	Middle	2	2	18.13	8.16	33.42		7.31	8.8	13.4	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS10	10:38:18	10.7	Bottom	3	1	18.12	8.16	33.41		7.32	9.7	15.3	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	IS10	10:39:06	10.7	Bottom	3	2	18.13	8.16	33.41		7.31	9.4	16	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	--	SR3	--	--	Surface	1	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	--	SR3	--	--	Surface	1	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	SR3	10:17:40	0.9	Middle	2	1	16.83	8.31	32.05		7.96	4.4	8.4	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	SR3	10:17:50	0.9	Middle	2	2	16.83	8.31	32.05		7.92	4.4	8	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	--	SR3	--	--	Bottom	3	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	--	SR3	--	--	Bottom	3	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	SR4	09:36:28	1.0	Surface	1	1	17.02	8.3	31.96		7.76	10.6	11.8	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	SR4	09:36:48	1.0	Surface	1	2	17.05	8.3	31.97		7.74	10.2	11.5	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	--	SR4	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	--	SR4	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	SR4	09:36:16	2.8	Bottom	3	1	17.08	8.3	32		7.77	10.4	19.2	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	SR4	09:36:42	2.8	Bottom	3	2	17.08	8.3	31.99		7.74	10.4	18.5	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	SR5	10:28:55	1.0	Surface	1	1	18.1	8.15	33.42		7.36	9.2	26.7	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	SR5	10:29:52	1.0	Surface	1	2	18.12	8.15	33.43		7.35	9.6	26	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	--	SR5	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	--	SR5	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	SR5	10:28:37	4.4	Bottom	3	1	18.09	8.15	33.41		7.35	11.1	14.5	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	SR5	10:29:22	4.4	Bottom	3	2	18.1	8.15	33.41		7.34	10.8	15	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	SR10A	08:29:12	1.0	Surface	1	1	19.55	8.35	32.99		7.3	3.1	7.9	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	SR10A	08:27:28	1.0	Surface	1	2	19.54	8.35	33		7.24	3.2	8	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	SR10A	08:27:19	3.3	Middle	2	1	19.55	8.35	33		7.23	3.4	8.2	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	SR10A	08:28:59	3.3	Middle	2	2	19.56	8.35	32.99		7.36	3.2	8.7	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	SR10A	08:28:47	5.6	Bottom	3	1	19.55	8.35	32.99		7.47	3.3	8.9	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	SR10A	08:27:09	5.6	Bottom	3	2	19.56	8.35	33		7.23	3.3	8.8	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	SR10B	08:21:35	1.0	Surface	1	1	19.54	8.35	33.02		7.26	4.9	11.2	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	SR10B	08:21:10	1.0	Surface	1	2	19.53	8.36	33.03		7.27	4.6	10.1	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	--	SR10B	--	--	Middle	2	1	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	--	SR10B	--	--	Middle	2	2	--	--	--		--	--	--	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	SR10B	08:20:57	4.0	Bottom	3	1	19.54	8.36	33.04		7.28	4.7	11.7	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	SR10B	08:21:23	4.0	Bottom	3	2	19.53	8.36	33.03		7.24	4.6	11.5	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	CS2	09:55:45	1.0	Surface	1	1	17.82	8.18	33.28		7.78	11.3	16.9	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	CS2	09:54:23	1.0	Surface	1	2	17.81	8.17	33.32		7.92	11.6	17.4	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	CS2	09:54:11	4.2	Middle	2	1	17.81	8.17	33.32		7.73	12.3	18.2	

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	2012-12-31	Mid-Flood	Sunny	CS2	09:55:07	4.2	Middle	2	2	17.83	8.18	33.32		7.6	12.7	18.7	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	CS2	09:53:58	7.3	Bottom	3	1	17.8	8.17	33.32		7.59	12.5	21.5	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	CS2	09:54:44	7.3	Bottom	3	2	17.82	8.18	33.32		7.62	12.9	21.1	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	CS(Mf)5	08:57:44	1.0	Surface	1	1	18.71	8.32	32.61		7.33	3.8	5.5	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	CS(Mf)5	08:56:57	1.0	Surface	1	2	18.69	8.33	32.6		7.35	3.8	4.2	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	CS(Mf)5	08:57:31	6.4	Middle	2	1	18.77	8.33	32.64		7.3	8.4	4.9	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	CS(Mf)5	08:56:39	6.4	Middle	2	2	18.79	8.33	32.65		7.31	8.2	4.1	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	CS(Mf)5	08:56:23	11.7	Bottom	3	1	18.8	8.33	32.67		7.31	8.8	4.3	
HKLR	HY/2011/03	2012-12-31	Mid-Flood	Sunny	CS(Mf)5	08:57:15	11.7	Bottom	3	2	18.79	8.33	32.66		7.29	8.6	4.2	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS5	14:39:29	1.0	Surface	1	1	17.73	8.34	32.71	99.6	7.8	4.1	7.6	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS5	14:38:25	1.0	Surface	1	2	17.72	8.34	32.71	99.6	7.79	4.2	7.2	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS5	14:38:12	4.7	Middle	2	1	17.7	8.34	32.7	99.2	7.77	4.8	8.8	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS5	14:39:13	4.7	Middle	2	2	17.7	8.34	32.7	99.3	7.77	4.6	7.8	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS5	14:39:00	8.3	Bottom	3	1	17.7	8.34	32.71	99	7.75	4	10.8	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS5	14:37:53	8.3	Bottom	3	2	17.7	8.34	32.7	99	7.75	4.2	9.4	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS(Mf)6	14:48:01	1.0	Surface	1	1	17.75	8.33	32.67	100.1	7.83	5.4	8.3	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS(Mf)6	14:48:31	1.0	Surface	1	2	17.7	8.33	32.68	100	7.83	5.1	9.6	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb		IS(Mf)6			Middle	2	1								
HKLR	HY/2011/03	2013-01-02	Mid-Ebb		IS(Mf)6			Middle	2	2								
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS(Mf)6	14:48:17	2.2	Bottom	3	1	17.66	8.33	32.68	99.9	7.83	7.5	7.3	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS(Mf)6	14:47:44	2.2	Bottom	3	2	17.65	8.33	32.68	99.9	7.83	7.3	8.9	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS7	14:56:18	1.0	Surface	1	1	18.17	8.33	32.56	103.4	8.03	4.2	5.1	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS7	14:55:53	1.0	Surface	1	2	18.15	8.33	32.55	103.4	8.03	4	6.8	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb		IS7			Middle	2	1								
HKLR	HY/2011/03	2013-01-02	Mid-Ebb		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS7	14:55:42	2.3	Bottom	3	1	17.8	8.33	32.59	102.6	8.02	8.6	6.4	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS7	14:56:07	2.3	Bottom	3	2	17.81	8.33	32.58	102.5	8.01	8.1	7.8	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS8	15:24:53	1.0	Surface	1	1	18.17	8.33	32.56	104.6	8.12	2.4	7.9	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS8	15:25:22	1.0	Surface	1	2	18.15	8.34	32.58	104.4	8.11	2.5	7.8	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb		IS8			Middle	2	1								
HKLR	HY/2011/03	2013-01-02	Mid-Ebb		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS8	15:24:38	2.4	Bottom	3	1	17.91	8.34	32.59	103.8	8.1	2.7	6.7	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS8	15:25:07	2.4	Bottom	3	2	17.86	8.34	32.61	103.8	8.11	2.9	5	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS(Mf)9	15:05:12	1.0	Surface	1	1	17.77	8.33	32.43	103.7	8.12	2.2	6.1	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS(Mf)9	15:04:36	1.0	Surface	1	2	17.65	8.33	32.45	103.4	8.12	2.4	7.2	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb		IS(Mf)9			Middle	2	1								
HKLR	HY/2011/03	2013-01-02	Mid-Ebb		IS(Mf)9			Middle	2	2								
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS(Mf)9	15:04:52	2.4	Bottom	3	1	17.7	8.34	32.6	103.4	8.1	2.9	4.2	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS(Mf)9	15:04:18	2.4	Bottom	3	2	17.72	8.34	32.62	103.2	8.08	3.1	5	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS10	14:38:49	1.0	Surface	1	1	18.18	8.18	33.62	97.2	7.5	2	9.6	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS10	14:38:12	1.0	Surface	1	2	18.27	8.18	33.59	97.3	7.5	2.1	8.7	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS10	14:37:59	5.6	Middle	2	1	18.02	8.18	33.59	96.5	7.47	2.3	9.5	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS10	14:38:41	5.6	Middle	2	2	18.04	8.18	33.58	96.7	7.48	2.2	10.7	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS10	14:37:42	10.2	Bottom	3	1	18.01	8.18	33.6	96.6	7.47	2.6	11.5	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	IS10	14:38:27	10.2	Bottom	3	2	18.05	8.18	33.58	96.6	7.47	2.5	10.4	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb		SR3			Surface	1	1								
HKLR	HY/2011/03	2013-01-02	Mid-Ebb		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	SR3	14:30:51	1.0	Middle	2	1	17.98	8.36	32.73	101.6	7.91	3.5	5.5	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	SR3	14:30:39	1.0	Middle	2	2	17.98	8.37	32.73	101.7	7.92	3.6	4.8	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb		SR3			Bottom	3	1								
HKLR	HY/2011/03	2013-01-02	Mid-Ebb		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	SR4	15:19:33	1.0	Surface	1	1	18.51	8.33	32.67	103.3	7.97	1.8	3.6	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	SR4	15:20:00	1.0	Surface	1	2	18.52	8.33	32.67	103.3	7.97	1.8	4.2	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb		SR4			Middle	2	1								
HKLR	HY/2011/03	2013-01-02	Mid-Ebb		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	SR4	15:19:50	2.4	Bottom	3	1	18.52	8.33	32.67	103.3	7.96	1.8	5.1	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	SR4	15:19:16	2.4	Bottom	3	2	18.52	8.33	32.67	103.4	7.97	1.8	4.6	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	SR5	14:49:59	1.0	Surface	1	1	18.02	8.18	33.61	97.9	7.57	3.8	8.1	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	SR5	14:49:12	1.0	Surface	1	2	18.04	8.18	33.6	99.7	7.74	3.7	9.7	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb		SR5			Middle	2	1								
HKLR	HY/2011/03	2013-01-02	Mid-Ebb		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	SR5	14:48:52	4.5	Bottom	3	1	17.9	8.18	33.6	96.1	7.46	4.4	10.6	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	SR5	14:49:48	4.5	Bottom	3	2	17.89	8.18	33.6	96.7	7.48	4.1	9.3	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	SR10A	16:28:18	1.0	Surface	1	1	19.23	8.32	33.08	94.8	7.19	0.9	4.2	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	SR10A	16:29:11	1.0	Surface	1	2	19.24	8.32	33.09	94.5	7.17	0.9	4.3	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	SR10A	16:28:59	3.2	Middle	2	1	19.17	8.32	33.09	94.2	7.16	1.1	2.6	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	SR10A	16:28:00	3.2	Middle	2	2	19.17	8.32	33.08	94.3	7.16	1.1	2.2	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	SR10A	16:27:49	5.3	Bottom	3	1	19.17	8.32	33.08	94.3	7.17	1.5	2.6	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	SR10A	16:28:43	5.3	Bottom	3	2	19.17	8.32	33.08	94.2	7.16	1.8	3.1	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	SR10B	16:34:22	1.0	Surface	1	1	19.19	8.32	33.08	94.5	7.18	2.2	5.6	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	SR10B	16:33:42	1.0	Surface	1	2	19.19	8.32	33.08	94.7	7.19	2	6.2	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb		SR10B			Middle	2	1								
HKLR	HY/2011/03	2013-01-02	Mid-Ebb		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	SR10B	16:33:21	4.6	Bottom	3	1	19.19	8.32	33.07	94.6	7.18	2.1	5.4	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	SR10B	16:34:03	4.6	Bottom	3	2	19.19	8.32	33.07	94.3	7.16	2.3	5.5	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	CS2	15:25:07	1.0	Surface	1	1	18.66	8.22	34.15	97.4	7.42	6.5	16.3	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	CS2	15:26:09	1.0	Surface	1	2	18.59	8.22	34.14	97.4	7.43	6.7	17.7	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	CS2	15:24:53	4.1	Middle	2	1	18.44	8.22	34.13	96.7	7.4	8.2	17.9	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	CS2	15:25:35	4.1	Middle	2	2	18.44	8.22	34.14	96.6	7.39	7.9	16	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	CS2	15:25:26	7.2	Bottom	3	1	18.41	8.22	34.12	96.4	7.38	8.1	16.2	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	CS2	15:24:39	7.2	Bottom	3	2	18.4	8.21	34.13	96.5	7.39	8.3	16.3	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	CS(Mf)5	16:01:37	1.0	Surface	1	1	19.1	8.32	32.9	97	7.38	1.5	2.5	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	CS(Mf)5	16:00:19	1.0	Surface	1	2	19.09	8.32	32.9	97	7.39	1.5	2.7	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	CS(Mf)5	15:59:51	6.6	Middle	2	1	18.74	8.31	32.89	94.6	7.25	2.1	11.2	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	CS(Mf)5	16:01:11	6.6	Middle	2	2	18.78	8.31	32.91	94.6	7.25	2	11.9	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	CS(Mf)5	15:59:27	12.1	Bottom	3	1	18.98	8.32	33.01	94.7	7.22	1.9	7.7	
HKLR	HY/2011/03	2013-01-02	Mid-Ebb	Sunny	CS(Mf)5	16:00:40	12.1	Bottom	3	2	19.03	8.32	33.03	95.1	7.24	1.8	7.1	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS5	11:07:32	1.0	Surface	1	1	17.52	8.32	32.68	98.8	7.76	4.9	10.9	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS5	11:06:33	1.0	Surface	1	2	17.52	8.32	32.68	98.7	7.76	4.7	11	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS5	11:07:18	4.8	Middle	2	1	17.55	8.32	32.7	98.5	7.73	4.6	8.3	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS5	11:06:16	4.8	Middle	2	2	17.57	8.32	32.71	98.4	7.72	4.5	9	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS5	11:06:57	8.6	Bottom	3	1	17.57	8.32	32.71	98.2	7.71	5	8.4	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS5	11:05:58	8.6	Bottom	3	2	17.59	8.32	32.72	98.2	7.7	4.5	8.8	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS(Mf)6	10:56:53	1.0	Surface	1	1	17.57	8.32	32.61	100.4	7.88	5.9	7.6	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS(Mf)6	10:57:27	1.0	Surface	1	2	17.59	8.32	32.61	100.5	7.89	5.7	6.7	
HKLR	HY/2011/03	2013-01-02	Mid-Flood		IS(Mf)6			Middle	2	1								
HKLR	HY/2011/03	2013-01-02	Mid-Flood		IS(Mf)6			Middle	2	2								
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS(Mf)6	10:56:36	2.5	Bottom	3	1	17.43	8.32	32.61	100.2	7.88	8.4	6.4	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS(Mf)6	10:57:08	2.5	Bottom	3	2	17.44	8.32	32.61	100.1	7.88	7.4	7.6	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS7	10:49:07	1.0	Surface	1	1	17.55	8.31	32.54	99.6	7.82	4.8	7.2	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS7	10:48:42	1.0	Surface	1	2	17.55	8.31	32.53	99.6	7.83	4.7	6.9	
HKLR	HY/2011/03	2013-01-02	Mid-Flood		IS7			Middle	2	1								
HKLR	HY/2011/03	2013-01-02	Mid-Flood		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS7	10:48:26	2.3	Bottom	3	1	17.55	8.31	32.54	99.6	7.83	5	10	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS7	10:48:57	2.3	Bottom	3	2	17.55	8.31	32.54	99.5	7.82	4.8	9.8	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS8	10:25:24	1.0	Surface	1	1	17.7	8.32	32.63	100.2	7.84	4.6	6.4	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS8	10:24:50	1.0	Surface	1	2	17.7	8.32	32.63	100.2	7.85	5.1	6.5	
HKLR	HY/2011/03	2013-01-02	Mid-Flood		IS8			Middle	2	1								
HKLR	HY/2011/03	2013-01-02	Mid-Flood		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS8	10:24:33	2.6	Bottom	3	1	17.68	8.32	32.63	100.1	7.84	6	5.1	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS8	10:25:10	2.6	Bottom	3	2	17.69	8.32	32.63	100.1	7.84	5.7	6.1	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS(Mf)9	10:40:49	1.0	Surface	1	1	17.69	8.32	32.66	100.1	7.84	4.4	6.2	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS(Mf)9	10:41:21	1.0	Surface	1	2	17.7	8.33	32.66	100.1	7.84	4.2	5.4	
HKLR	HY/2011/03	2013-01-02	Mid-Flood		IS(Mf)9			Middle	2	1								
HKLR	HY/2011/03	2013-01-02	Mid-Flood		IS(Mf)9			Middle	2	2								
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS(Mf)9	10:40:39	2.6	Bottom	3	1	17.69	8.32	32.66	100.1	7.84	5.4	6.5	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS(Mf)9	10:41:02	2.6	Bottom	3	2	17.69	8.32	32.66	100	7.83	5	7.5	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS10	11:41:26	1.0	Surface	1	1	17.35	8.16	33.28	98	7.67	10.9	25.3	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS10	11:42:15	1.0	Surface	1	2	17.38	8.16	33.32	96.9	7.6	10.8	24.7	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS10	11:41:16	5.8	Middle	2	1	17.39	8.16	33.3	97.2	7.63	11	23.3	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS10	11:41:57	5.8	Middle	2	2	17.39	8.16	33.31	96.9	7.59	11.2	21.9	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS10	11:41:47	10.6	Bottom	3	1	17.47	8.16	33.39	96.6	7.58	11.8	27.4	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	IS10	11:41:03	10.6	Bottom	3	2	17.51	8.16	33.41	97.1	7.62	11.9	26.5	
HKLR	HY/2011/03	2013-01-02	Mid-Flood		SR3			Surface	1	1								
HKLR	HY/2011/03	2013-01-02	Mid-Flood		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	SR3	11:13:25	1.0	Middle	2	1	17.63	8.32	32.66	100.6	7.89	5	7.8	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	SR3	11:13:38	1.0	Middle	2	2	17.64	8.33	32.68	100.4	7.87	5.6	6.8	
HKLR	HY/2011/03	2013-01-02	Mid-Flood		SR3			Bottom	3	1								
HKLR	HY/2011/03	2013-01-02	Mid-Flood		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	SR4	10:30:12	1.0	Surface	1	1	17.85	8.32	32.69	99.8	7.79	3.6	5.9	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	SR4	10:30:43	1.0	Surface	1	2	17.86	8.33	32.69	99.6	7.77	3.6	6.8	
HKLR	HY/2011/03	2013-01-02	Mid-Flood		SR4			Middle	2	1								
HKLR	HY/2011/03	2013-01-02	Mid-Flood		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	SR4	10:29:57	2.8	Bottom	3	1	17.89	8.33	32.74	99.6	7.76	3.5	6.6	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	SR4	10:30:29	2.8	Bottom	3	2	17.89	8.33	32.74	99.5	7.76	3.8	5.8	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	SR5	11:35:53	1.0	Surface	1	1	17.75	8.17	33.48	96.4	7.5	4.6	10.6	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	SR5	11:35:30	1.0	Surface	1	2	17.75	8.17	33.49	96.2	7.49	4.5	9.6	
HKLR	HY/2011/03	2013-01-02	Mid-Flood		SR5			Middle	2	1								
HKLR	HY/2011/03	2013-01-02	Mid-Flood		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	SR5	11:35:18	4.5	Bottom	3	1	17.88	8.18	33.6	96.3	7.47	4.7	10.7	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	SR5	11:35:39	4.5	Bottom	3	2	17.74	8.17	33.55	96.3	7.49	4.6	11.2	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	SR10A	09:24:27	1.0	Surface	1	1	18.93	8.3	32.95	95	7.25	3.8	6.2	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	SR10A	09:25:57	1.0	Surface	1	2	18.9	8.3	32.95	99.3	7.59	4.1	6.4	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	SR10A	09:24:13	3.2	Middle	2	1	18.94	8.3	32.96	94.8	7.24	5	6.8	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	SR10A	09:24:55	3.2	Middle	2	2	19	8.3	32.99	94.7	7.22	4.4	7	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	SR10A	09:24:43	5.3	Bottom	3	1	19.04	8.3	33.01	94.7	7.22	3.8	6.8	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	SR10A	09:23:54	5.3	Bottom	3	2	18.95	8.3	32.97	94.9	7.24	3.5	6.4	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	SR10B	09:18:58	1.0	Surface	1	1	19.14	8.3	33.06	94.7	7.2	4.5	10	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	SR10B	09:18:25	1.0	Surface	1	2	19.14	8.3	33.06	94.9	7.21	4.2	10.7	
HKLR	HY/2011/03	2013-01-02	Mid-Flood		SR10B			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	2013-01-02	Mid-Flood		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	SR10B	09:18:44	4.6	Bottom	3	1	19.14	8.3	33.06	94.6	7.19	4.2	12.8	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	SR10B	09:18:03	4.6	Bottom	3	2	19.14	8.3	33.06	94.9	7.21	4.4	13	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	CS2	10:50:47	1.0	Surface	1	1	18.04	8.17	33.54	97.8	7.57	5.8	17.5	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	CS2	10:49:56	1.0	Surface	1	2	18.03	8.17	33.54	95.9	7.42	5.9	18.9	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	CS2	10:50:32	4.2	Middle	2	1	18.03	8.17	33.55	95.8	7.41	6.1	11.9	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	CS2	10:49:29	4.2	Middle	2	2	18.03	8.17	33.55	95.4	7.38	6.4	12.8	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	CS2	10:50:13	7.3	Bottom	3	1	18.03	8.17	33.55	95.2	7.37	6.2	21.4	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	CS2	10:48:56	7.3	Bottom	3	2	18.03	8.17	33.55	95.2	7.37	6.5	21	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	CS(Mf)5	09:53:59	1.0	Surface	1	1	18.21	8.31	32.68	97	7.52	4.8	5.5	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	CS(Mf)5	09:55:02	1.0	Surface	1	2	18.19	8.31	32.68	97	7.53	4.2	5.1	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	CS(Mf)5	09:53:45	6.8	Middle	2	1	18.26	8.31	32.71	96.5	7.47	7.8	7.3	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	CS(Mf)5	09:54:43	6.8	Middle	2	2	18.25	8.31	32.7	96.4	7.47	8	7.5	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	CS(Mf)5	09:54:26	12.5	Bottom	3	1	18.32	8.31	32.73	96.2	7.44	13.9	7.8	
HKLR	HY/2011/03	2013-01-02	Mid-Flood	Sunny	CS(Mf)5	09:53:22	12.5	Bottom	3	2	18.32	8.31	32.72	96.4	7.46	13.3	7.5	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS5	16:28:05	1.0	Surface	1	1	17.81	8.35	33.02	99.7	7.77	5.1	9.3	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS5	16:28:59	1.0	Surface	1	2	17.79	8.35	33.01	99.8	7.78	5.1	8.9	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS5	16:28:38	4.5	Middle	2	1	17.8	8.35	33.01	99.5	7.76	5	12.4	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS5	16:27:53	4.5	Middle	2	2	17.8	8.35	33.01	99.5	7.76	5	13.7	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS5	16:28:25	8.0	Bottom	3	1	17.8	8.35	33.01	99.2	7.74	5.6	13.2	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS5	16:27:37	8.0	Bottom	3	2	17.8	8.35	33.02	99.3	7.75	5.9	14.0	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS(Mf)6	16:37:04	1.0	Surface	1	1	17.68	8.35	32.95	100.1	7.83	6	9.6	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS(Mf)6	16:37:35	1.0	Surface	1	2	17.67	8.35	32.95	100	7.82	5.9	9.7	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb		IS(Mf)6			Middle	2	1								
HKLR	HY/2011/03	2013-01-04	Mid-Ebb		IS(Mf)6			Middle	2	2								
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS(Mf)6	16:36:50	2.3	Bottom	3	1	17.67	8.35	32.95	100.1	7.83	5.8	13.1	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS(Mf)6	16:37:21	2.3	Bottom	3	2	17.68	8.35	32.95	99.9	7.81	5.7	14.7	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS7	16:44:39	1.0	Surface	1	1	17.63	8.36	32.86	104.7	8.2	3.4	7.2	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS7	16:45:01	1.0	Surface	1	2	17.62	8.37	32.85	104.8	8.21	3.4	8.3	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb		IS7			Middle	2	1								
HKLR	HY/2011/03	2013-01-04	Mid-Ebb		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS7	16:44:23	2.3	Bottom	3	1	17.64	8.36	32.86	104.8	8.21	3.4	6.2	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS7	16:44:49	2.3	Bottom	3	2	17.62	8.36	32.86	104.8	8.21	4	6.6	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS8	17:09:05	1.0	Surface	1	1	18.2	8.34	32.98	99.7	7.72	1.9	5.7	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS8	17:08:28	1.0	Surface	1	2	18.21	8.34	32.98	99.9	7.73	2	4.8	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb		IS8			Middle	2	1								
HKLR	HY/2011/03	2013-01-04	Mid-Ebb		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS8	17:08:14	2.4	Bottom	3	1	18.21	8.34	32.98	100.1	7.75	2.4	3.9	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS8	17:08:51	2.4	Bottom	3	2	18.21	8.34	32.98	99.7	7.72	2.1	4.3	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS(Mf)9	16:52:19	1.0	Surface	1	1	17.69	8.36	32.84	104.9	8.2	3.7	6.8	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS(Mf)9	16:51:40	1.0	Surface	1	2	17.68	8.36	32.84	104.9	8.21	3.7	6.8	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb		IS(Mf)9			Middle	2	1								
HKLR	HY/2011/03	2013-01-04	Mid-Ebb		IS(Mf)9			Middle	2	2								
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS(Mf)9	16:52:04	2.5	Bottom	3	1	17.68	8.36	32.84	104.8	8.2	3.7	6.4	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS(Mf)9	16:51:29	2.5	Bottom	3	2	17.69	8.36	32.84	104.9	8.2	3.9	6.1	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS10	16:26:23	1.0	Surface	1	1	18.52	8.29	34.17	98.1	7.5	4	10.6	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS10	16:25:11	1.0	Surface	1	2	18.51	8.29	34.17	98.2	7.5	4.3	10.7	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS10	16:26:07	5.6	Middle	2	1	18.52	8.29	34.17	98.1	7.49	4	11.9	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS10	16:24:55	5.6	Middle	2	2	18.52	8.29	34.17	98	7.49	4.4	11.6	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS10	16:24:30	10.2	Bottom	3	1	18.52	8.29	34.17	97.9	7.48	4.4	11.2	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	IS10	16:25:49	10.2	Bottom	3	2	18.51	8.29	34.17	98.1	7.49	4.2	10.9	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb		SR3			Surface	1	1								
HKLR	HY/2011/03	2013-01-04	Mid-Ebb		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	SR3	16:18:30	0.8	Middle	2	1	17.79	8.38	33.02	101.7	7.93	4.9	8.0	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	SR3	16:18:45	0.8	Middle	2	2	17.79	8.38	33.02	101.4	7.91	5	7.6	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb		SR3			Bottom	3	1								
HKLR	HY/2011/03	2013-01-04	Mid-Ebb		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	SR4	17:02:16	1.0	Surface	1	1	18.36	8.33	33.02	97.7	7.54	3.1	5.0	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	SR4	17:02:41	1.0	Surface	1	2	18.37	8.33	33.02	97.6	7.53	2.5	5.7	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb		SR4			Middle	2	1								
HKLR	HY/2011/03	2013-01-04	Mid-Ebb		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	SR4	17:01:56	2.2	Bottom	3	1	18.36	8.33	33.03	98	7.56	2.5	6.2	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	SR4	17:02:31	2.2	Bottom	3	2	18.37	8.33	33.02	97.4	7.52	2.8	7.3	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	SR5	16:33:25	1.0	Surface	1	1	18.32	8.27	34.2	98.6	7.56	3.6	13.4	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	SR5	16:34:16	1.0	Surface	1	2	18.32	8.27	34.2	98.4	7.54	3.5	12.6	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb		SR5			Middle	2	1								
HKLR	HY/2011/03	2013-01-04	Mid-Ebb		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	SR5	16:33:05	4.1	Bottom	3	1	18.32	8.27	34.2	98.6	7.56	3.7	11.6	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	SR5	16:33:54	4.1	Bottom	3	2	18.32	8.27	34.2	98.4	7.54	3.6	11.7	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	SR10A	18:14:13	1.0	Surface	1	1	19.38	8.35	33.27	94.8	7.17	1.5	6.0	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	SR10A	18:13:23	1.0	Surface	1	2	19.39	8.35	33.27	95	7.18	1.3	7.0	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	SR10A	18:13:59	3.3	Middle	2	1	19.36	8.35	33.27	94.6	7.15	1.4	6.2	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	SR10A	18:13:09	3.3	Middle	2	2	19.39	8.35	33.27	94.8	7.17	1.4	7.2	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	SR10A	18:13:44	5.6	Bottom	3	1	19.36	8.35	33.27	94.5	7.15	1.5	7.5	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	SR10A	18:12:54	5.6	Bottom	3	2	19.38	8.35	33.27	94.7	7.16	1.7	7.7	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	SR10B	18:19:01	1.0	Surface	1	1	19.16	8.34	33.2	93.8	7.12	1.8	7.3	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	SR10B	18:18:28	1.0	Surface	1	2	19.18	8.34	33.21	93.9	7.13	1.7	5.5	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb		SR10B			Middle	2	1								
HKLR	HY/2011/03	2013-01-04	Mid-Ebb		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	SR10B	18:18:12	4.5	Bottom	3	1	19.19	8.34	33.21	93.9	7.12	1.6	6.1	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	SR10B	18:18:41	4.5	Bottom	3	2	19.12	8.34	33.19	93.6	7.11	1.9	7.4	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	CS2	17:03:37	1.0	Surface	1	1	18.36	8.27	34.19	97.9	7.51	3.8	11.1	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	CS2	17:04:44	1.0	Surface	1	2	18.36	8.27	34.19	98	7.51	3.6	11.1	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	CS2	17:04:27	4.2	Middle	2	1	18.36	8.27	34.19	97.6	7.48	4.1	11.1	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	CS2	17:03:14	4.2	Middle	2	2	18.36	8.27	34.19	97.6	7.48	3.9	10.4	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	CS2	17:04:07	7.3	Bottom	3	1	18.34	8.27	34.19	97.4	7.47	5.2	9.8	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	CS2	17:02:36	7.3	Bottom	3	2	18.35	8.27	34.19	97.6	7.48	4.9	10.5	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	CS(Mf)5	17:44:30	1.0	Surface	1	1	19.11	8.33	33.17	93.4	7.1	1.6	6.8	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	CS(Mf)5	17:45:45	1.0	Surface	1	2	19.1	8.33	33.17	93.2	7.09	1.5	7.3	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	CS(Mf)5	17:45:31	6.2	Middle	2	1	19.11	8.33	33.17	92.9	7.06	1.7	10.5	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	CS(Mf)5	17:44:14	6.2	Middle	2	2	19.11	8.33	33.17	93.1	7.07	1.7	9.2	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	CS(Mf)5	17:45:10	11.4	Bottom	3	1	19.11	8.33	33.17	92.6	7.04	1.5	10.6	
HKLR	HY/2011/03	2013-01-04	Mid-Ebb	Fine	CS(Mf)5	17:43:48	11.4	Bottom	3	2	19.12	8.33	33.17	92.8	7.05	1.6	11.3	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS5	12:35:57	1.0	Surface	1	1	17.53	8.35	32.88	100.6	7.89	4	8.1	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS5	12:35:10	1.0	Surface	1	2	17.52	8.35	32.88	100.7	7.9	3.8	7.7	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS5	12:34:52	4.8	Middle	2	1	17.56	8.35	32.89	100.1	7.85	4	7.4	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS5	12:35:43	4.8	Middle	2	2	17.58	8.35	32.9	100	7.84	4.4	8.8	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS5	12:34:32	8.5	Bottom	3	1	17.66	8.35	32.93	100.1	7.83	4.5	9.8	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS5	12:35:30	8.5	Bottom	3	2	17.57	8.35	32.91	100	7.84	4.9	9.2	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS(Mf)6	12:25:40	1.0	Surface	1	1	17.7	8.35	32.92	102	7.98	4.2	7.0	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS(Mf)6	12:26:07	1.0	Surface	1	2	17.68	8.35	32.9	102	7.98	4	8.8	
HKLR	HY/2011/03	2013-01-04	Mid-Flood		IS(Mf)6			Middle	2	1								
HKLR	HY/2011/03	2013-01-04	Mid-Flood		IS(Mf)6			Middle	2	2								
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS(Mf)6	12:25:57	2.4	Bottom	3	1	17.7	8.35	32.92	101.9	7.97	4.2	7.8	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS(Mf)6	12:25:27	2.4	Bottom	3	2	17.7	8.35	32.92	101.9	7.97	3.9	8.1	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS7	12:17:20	1.0	Surface	1	1	17.63	8.35	32.82	102.9	8.06	5.6	7.6	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS7	12:16:50	1.0	Surface	1	2	17.65	8.35	32.82	102.9	8.06	5.3	6.9	
HKLR	HY/2011/03	2013-01-04	Mid-Flood		IS7			Middle	2	1								
HKLR	HY/2011/03	2013-01-04	Mid-Flood		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS7	12:17:04	2.7	Bottom	3	1	17.61	8.35	32.82	102.7	8.04	7.4	7.0	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS7	12:16:36	2.7	Bottom	3	2	17.62	8.35	32.82	102.7	8.05	8	7.0	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS8	11:51:29	1.0	Surface	1	1	17.95	8.33	32.87	100.1	7.79	2.4	7.9	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS8	11:52:06	1.0	Surface	1	2	17.95	8.33	32.87	99.7	7.76	2.6	6.5	
HKLR	HY/2011/03	2013-01-04	Mid-Flood		IS8			Middle	2	1								
HKLR	HY/2011/03	2013-01-04	Mid-Flood		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS8	11:51:16	2.6	Bottom	3	1	17.92	8.33	32.85	100.2	7.8	2.5	9.9	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS8	11:51:54	2.6	Bottom	3	2	17.94	8.33	32.86	99.6	7.75	2.4	10.9	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS(Mf)9	12:08:39	1.0	Surface	1	1	17.93	8.33	32.86	99.9	7.78	4.8	9.3	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS(Mf)9	12:09:09	1.0	Surface	1	2	17.94	8.33	32.87	99.5	7.75	4.3	10.4	
HKLR	HY/2011/03	2013-01-04	Mid-Flood		IS(Mf)9			Middle	2	1								
HKLR	HY/2011/03	2013-01-04	Mid-Flood		IS(Mf)9			Middle	2	2								
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS(Mf)9	12:08:22	2.6	Bottom	3	1	17.94	8.33	32.86	100	7.79	5.2	7.2	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS(Mf)9	12:08:55	2.6	Bottom	3	2	17.94	8.33	32.87	99.6	7.75	5	7.2	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS10	12:22:57	1.0	Surface	1	1	18.59	8.18	33.88	93.2	7.13	1.4	4.6	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS10	12:21:41	1.0	Surface	1	2	18.61	8.18	33.89	93.1	7.11	1.4	4.9	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS10	12:21:25	5.5	Middle	2	1	18.62	8.18	33.89	93	7.1	1.5	5.8	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS10	12:22:33	5.5	Middle	2	2	18.6	8.18	33.88	93.1	7.11	1.5	6.0	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS10	12:22:12	10.0	Bottom	3	1	18.6	8.18	33.88	93	7.1	1.6	4.3	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	IS10	12:21:03	10.0	Bottom	3	2	18.61	8.18	33.89	92.8	7.09	1.6	3.3	
HKLR	HY/2011/03	2013-01-04	Mid-Flood		SR3			Surface	1	1								
HKLR	HY/2011/03	2013-01-04	Mid-Flood		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	SR3	12:45:17	0.8	Middle	2	1	17.57	8.34	32.89	101.3	7.94	5.7	7.8	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	SR3	12:45:31	0.8	Middle	2	2	17.56	8.34	32.89	100.7	7.9	5.7	7.7	
HKLR	HY/2011/03	2013-01-04	Mid-Flood		SR3			Bottom	3	1								
HKLR	HY/2011/03	2013-01-04	Mid-Flood		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	SR4	11:58:05	1.0	Surface	1	1	17.95	8.33	32.86	99	7.71	2.4	5.2	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	SR4	11:57:28	1.0	Surface	1	2	17.95	8.33	32.86	99.2	7.72	2.5	4.6	
HKLR	HY/2011/03	2013-01-04	Mid-Flood		SR4			Middle	2	1								
HKLR	HY/2011/03	2013-01-04	Mid-Flood		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	SR4	11:57:47	2.4	Bottom	3	1	17.95	8.33	32.86	98.9	7.7	2.4	4.7	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	SR4	11:57:18	2.4	Bottom	3	2	17.95	8.33	32.86	99.3	7.73	2.6	4.5	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	SR5	12:12:57	1.0	Surface	1	1	18.65	8.18	33.9	93.2	7.11	1	3.6	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	SR5	12:13:41	1.0	Surface	1	2	18.65	8.18	33.9	93.1	7.11	0.9	4.5	
HKLR	HY/2011/03	2013-01-04	Mid-Flood		SR5			Middle	2	1								
HKLR	HY/2011/03	2013-01-04	Mid-Flood		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	SR5	12:12:40	4.2	Bottom	3	1	18.64	8.18	33.9	93	7.1	0.9	3.8	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	SR5	12:13:16	4.2	Bottom	3	2	18.65	8.18	33.9	93	7.1	1	4.1	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	SR10A	10:48:01	1.0	Surface	1	1	19.09	8.32	33.14	93.9	7.14	1.9	4.9	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	SR10A	10:48:42	1.0	Surface	1	2	19.09	8.32	33.14	93.8	7.13	1.9	4.9	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	SR10A	10:48:28	3.5	Middle	2	1	19.09	8.32	33.14	93.6	7.12	2.2	4.7	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	SR10A	10:47:47	3.5	Middle	2	2	19.09	8.32	33.14	93.8	7.13	2.1	4.5	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	SR10A	10:48:17	5.9	Bottom	3	1	19.09	8.32	33.14	93.5	7.11	1.8	4.4	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	SR10A	10:47:35	5.9	Bottom	3	2	19.09	8.32	33.14	93.6	7.12	2.1	4.0	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	SR10B	10:41:31	1.0	Surface	1	1	19.13	8.32	33.16	94.1	7.15	2.4	4.9	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	SR10B	10:42:11	1.0	Surface	1	2	19.13	8.32	33.16	93.8	7.13	2.3	5.9	
HKLR	HY/2011/03	2013-01-04	Mid-Flood		SR10B			Middle	2	1								
HKLR	HY/2011/03	2013-01-04	Mid-Flood		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	SR10B	10:41:47	4.8	Bottom	3	1	19.12	8.32	33.16	93.8	7.13	2.2	5.1	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	SR10B	10:41:08	4.8	Bottom	3	2	19.13	8.32	33.17	94	7.15	2.4	4.5	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	CS2	11:50:38	1.0	Surface	1	1	18.63	8.18	33.9	95.2	7.28	4.2	10.9	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	CS2	11:51:53	1.0	Surface	1	2	18.64	8.18	33.9	93.4	7.13	4.2	10.7	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	CS2	11:50:23	4.1	Middle	2	1	18.62	8.18	33.89	93.7	7.16	4.3	10.5	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	CS2	11:51:29	4.1	Middle	2	2	18.61	8.18	33.89	93.3	7.13	4.4	10.8	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	CS2	11:49:34	7.1	Bottom	3	1	18.58	8.18	33.88	93.5	7.15	4.5	10.3	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	CS2	11:51:05	7.1	Bottom	3	2	18.59	8.18	33.88	93.1	7.12	4.6	9.8	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	CS(Mf)5	11:17:48	1.0	Surface	1	1	18.83	8.32	33.1	94.3	7.21	2.4	3.0	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	CS(Mf)5	11:18:49	1.0	Surface	1	2	18.83	8.32	33.1	94.2	7.2	2.5	3.5	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	CS(Mf)5	11:18:28	6.8	Middle	2	1	18.84	8.32	33.1	93.8	7.17	2.6	3.9	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	CS(Mf)5	11:17:30	6.8	Middle	2	2	18.84	8.32	33.1	93.8	7.17	2.5	4.0	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	CS(Mf)5	11:17:12	12.5	Bottom	3	1	18.82	8.32	33.1	93.6	7.15	4.7	3.4	
HKLR	HY/2011/03	2013-01-04	Mid-Flood	Fine	CS(Mf)5	11:18:08	12.5	Bottom	3	2	18.83	8.32	33.09	93.5	7.15	5	4.1	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS5	09:24:11	1.0	Surface	1	1	17.19	8.38	33.2	100.3	7.9	4.6	4.8	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS5	09:23:27	1.0	Surface	1	2	17.19	8.38	33.2	100.4	7.91	4.6	4	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS5	09:23:08	4.3	Middle	2	1	17.19	8.38	33.21	100.1	7.89	4.7	4.6	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS5	09:23:56	4.3	Middle	2	2	17.19	8.38	33.21	100	7.88	4.8	4.8	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS5	09:23:42	7.5	Bottom	3	1	17.19	8.38	33.21	99.9	7.87	4.6	5.8	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS5	09:22:55	7.5	Bottom	3	2	17.19	8.38	33.21	99.9	7.88	4.7	6.2	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS(Mf)6	09:14:10	1.0	Surface	1	1	17.08	8.38	33.17	102.5	8.09	4.4	4.2	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS(Mf)6	09:13:38	1.0	Surface	1	2	17.08	8.38	33.17	102.6	8.11	4.5	4.5	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb		IS(Mf)6			Middle	2	1								
HKLR	HY/2011/03	2013-01-07	Mid-Ebb		IS(Mf)6			Middle	2	2								
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS(Mf)6	09:13:23	2.3	Bottom	3	1	16.9	8.39	33.14	102.2	8.1	4.5	4.8	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS(Mf)6	09:13:56	2.3	Bottom	3	2	16.88	8.39	33.14	102.1	8.09	4.5	4.5	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS7	09:06:09	1.0	Surface	1	1	17.03	8.38	33.15	103	8.14	4.7	4.4	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS7	09:06:40	1.0	Surface	1	2	17.03	8.38	33.15	103	8.14	4.6	4.4	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb		IS7			Middle	2	1								
HKLR	HY/2011/03	2013-01-07	Mid-Ebb		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS7	09:05:56	2.3	Bottom	3	1	17.03	8.38	33.15	102.9	8.14	4.8	6	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS7	09:06:26	2.3	Bottom	3	2	17.03	8.38	33.15	102.8	8.13	4.6	5.9	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS8	08:43:12	1.0	Surface	1	1	17.57	8.37	33.21	100.6	7.87	3.3	4.1	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS8	08:43:40	1.0	Surface	1	2	17.57	8.37	33.21	100.6	7.87	3.3	5.2	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb		IS8			Middle	2	1								
HKLR	HY/2011/03	2013-01-07	Mid-Ebb		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS8	08:42:59	3.0	Bottom	3	1	17.57	8.37	33.21	100.6	7.87	3.2	5.9	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS8	08:43:26	3.0	Bottom	3	2	17.57	8.37	33.21	100.5	7.86	3.2	5	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS(Mf)9	08:59:26	1.0	Surface	1	1	17.63	8.37	33.22	100.7	7.87	4.2	5.2	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS(Mf)9	08:59:54	1.0	Surface	1	2	17.63	8.37	33.22	100.6	7.86	4.2	4.7	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb		IS(Mf)9			Middle	2	1								
HKLR	HY/2011/03	2013-01-07	Mid-Ebb		IS(Mf)9			Middle	2	2								
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS(Mf)9	08:59:38	2.7	Bottom	3	1	17.62	8.37	33.22	100.5	7.85	4.5	8.6	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS(Mf)9	08:59:12	2.7	Bottom	3	2	17.62	8.37	33.21	100.6	7.86	4.6	8.6	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS10	09:33:53	1.0	Surface	1	1	18.62	8.19	34.11	95.3	7.27	2.1	5.4	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS10	09:32:50	1.0	Surface	1	2	18.63	8.19	34.11	95.2	7.26	2	4.6	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS10	09:32:23	5.4	Middle	2	1	18.4	8.18	34.11	95.4	7.31	2.5	5.4	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS10	09:33:30	5.4	Middle	2	2	18.32	8.18	34.09	95.1	7.3	2.8	4.2	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS10	09:33:14	9.8	Bottom	3	1	18.05	8.18	34.03	94.2	7.27	2.7	4.6	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	IS10	09:32:01	9.8	Bottom	3	2	18.01	8.18	34.03	94.4	7.29	3	3.9	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb		SR3			Surface	1	1								
HKLR	HY/2011/03	2013-01-07	Mid-Ebb		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	SR3	09:29:26	0.6	Middle	2	1	17.24	8.38	33.21	101.1	7.96	4.4	4.4	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	SR3	09:29:16	0.6	Middle	2	2	17.24	8.38	33.21	101.4	7.99	4.5	5.7	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb		SR3			Bottom	3	1								
HKLR	HY/2011/03	2013-01-07	Mid-Ebb		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	SR4	08:48:01	1.0	Surface	1	1	17.86	8.36	33.24	99.6	7.75	3.3	4.6	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	SR4	08:48:26	1.0	Surface	1	2	17.85	8.36	33.24	99.4	7.74	3.2	5.4	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb		SR4			Middle	2	1								
HKLR	HY/2011/03	2013-01-07	Mid-Ebb		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	SR4	08:47:49	2.7	Bottom	3	1	17.85	8.36	33.24	99.6	7.75	2.9	3	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	SR4	08:48:15	2.7	Bottom	3	2	17.84	8.36	33.24	99.4	7.73	3.1	4.8	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	SR5	09:23:01	1.0	Surface	1	1	18.57	8.18	34.09	95	7.26	1.9	4.6	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	SR5	09:22:20	1.0	Surface	1	2	18.57	8.18	34.1	95.1	7.26	2	4.5	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb		SR5			Middle	2	1								
HKLR	HY/2011/03	2013-01-07	Mid-Ebb		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	SR5	09:22:03	4.4	Bottom	3	1	18.46	8.18	34.09	94.7	7.25	2.1	4.9	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	SR5	09:22:43	4.4	Bottom	3	2	18.56	8.18	34.09	94.7	7.23	2	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	2013-01-07	Mid-Ebb	Fine	SR10A	07:35:00	1.0	Surface	1	1	18.86	8.36	33.34	95	7.25	2.1	2.2	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	SR10A	07:35:49	1.0	Surface	1	2	18.9	8.35	33.34	94.8	7.23	2.1	3.1	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	SR10A	07:34:47	3.2	Middle	2	1	18.86	8.36	33.34	94.8	7.23	2	3.6	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	SR10A	07:35:32	3.2	Middle	2	2	18.86	8.35	33.34	94.7	7.22	2.2	2.8	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	SR10A	07:34:34	5.4	Bottom	3	1	18.87	8.35	33.35	94.8	7.23	2	2.2	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	SR10A	07:35:19	5.4	Bottom	3	2	18.87	8.35	33.34	94.6	7.22	2.1	3.6	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	SR10B	07:28:51	1.0	Surface	1	1	18.78	8.35	33.35	96.2	7.35	2.2	4.9	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	SR10B	07:29:20	1.0	Surface	1	2	18.77	8.35	33.35	96	7.34	2.1	4	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb		SR10B			Middle	2	1								
HKLR	HY/2011/03	2013-01-07	Mid-Ebb		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	SR10B	07:29:03	4.3	Bottom	3	1	18.78	8.35	33.35	95.9	7.32	2.3	2.1	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	SR10B	07:28:37	4.3	Bottom	3	2	18.79	8.35	33.35	96.1	7.34	2.3	2.2	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	CS2	08:50:39	1.0	Surface	1	1	17.56	8.24	34.38	99.7	7.75	3	5	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	CS2	08:49:54	1.0	Surface	1	2	17.56	8.24	34.38	99.7	7.75	3.1	5	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	CS2	08:49:39	4.0	Middle	2	1	17.55	8.24	34.38	99.5	7.73	3.1	6.8	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	CS2	08:50:22	4.0	Middle	2	2	17.55	8.24	34.38	99.5	7.73	3.1	6.2	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	CS2	08:50:08	6.9	Bottom	3	1	17.55	8.24	34.38	99.4	7.72	4	6.3	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	CS2	08:49:21	6.9	Bottom	3	2	17.55	8.24	34.38	99.4	7.72	4.2	5.1	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	CS(Mf)5	08:08:15	1.0	Surface	1	1	18.9	8.37	33.34	94.8	7.23	2.3	3.7	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	CS(Mf)5	08:09:00	1.0	Surface	1	2	18.89	8.37	33.33	94.8	7.23	2.2	2.3	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	CS(Mf)5	08:08:46	6.2	Middle	2	1	18.9	8.37	33.33	94.3	7.19	2.4	2.4	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	CS(Mf)5	08:07:58	6.2	Middle	2	2	18.9	8.37	33.34	94.4	7.2	2.2	2.1	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	CS(Mf)5	08:08:32	11.3	Bottom	3	1	18.9	8.36	33.33	94.2	7.18	2.4	2.7	
HKLR	HY/2011/03	2013-01-07	Mid-Ebb	Fine	CS(Mf)5	08:07:41	11.3	Bottom	3	2	18.9	8.37	33.34	94.1	7.18	2.4	2.6	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS5	13:14:27	1.0	Surface	1	1	17.44	8.39	33.17	103.6	8.12	4.2	7.9	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS5	13:13:44	1.0	Surface	1	2	17.42	8.39	33.19	103.1	8.09	4.2	8.4	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS5	13:14:13	4.6	Middle	2	1	17.4	8.39	33.18	102.8	8.07	4.3	7.1	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS5	13:13:35	4.6	Middle	2	2	17.39	8.39	33.19	102.7	8.06	4.1	6.9	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS5	13:13:58	8.2	Bottom	3	1	17.38	8.39	33.18	102.7	8.07	4.3	6.7	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS5	13:13:26	8.2	Bottom	3	2	17.39	8.39	33.18	102.6	8.06	4.2	7	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS(Mf)6	13:20:59	1.0	Surface	1	1	17.44	8.41	33.13	108.9	8.55	7.8	9.9	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS(Mf)6	13:21:24	1.0	Surface	1	2	17.43	8.41	33.13	109	8.55	7.6	9.9	
HKLR	HY/2011/03	2013-01-07	Mid-Flood		IS(Mf)6			Middle	2	1								
HKLR	HY/2011/03	2013-01-07	Mid-Flood		IS(Mf)6			Middle	2	2								
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS(Mf)6	13:20:46	2.1	Bottom	3	1	17.41	8.4	33.14	108.6	8.53	8	8.2	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS(Mf)6	13:21:09	2.1	Bottom	3	2	17.4	8.4	33.14	108.8	8.55	8	8.5	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS7	13:28:15	1.0	Surface	1	1	17.52	8.41	33.15	110.4	8.65	6.4	8.5	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS7	13:28:43	1.0	Surface	1	2	17.53	8.41	33.15	110.6	8.66	6.5	7.2	
HKLR	HY/2011/03	2013-01-07	Mid-Flood		IS7			Middle	2	1								
HKLR	HY/2011/03	2013-01-07	Mid-Flood		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS7	13:28:01	2.3	Bottom	3	1	17.43	8.41	33.16	110.1	8.64	11.1	6.8	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS7	13:28:27	2.3	Bottom	3	2	17.43	8.41	33.14	110.2	8.65	11.2	7.3	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS8	13:52:51	1.0	Surface	1	1	18.56	8.38	33.27	104.7	8.03	3.5	5.1	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS8	13:52:25	1.0	Surface	1	2	18.57	8.38	33.28	104.7	8.03	3.3	6	
HKLR	HY/2011/03	2013-01-07	Mid-Flood		IS8			Middle	2	1								
HKLR	HY/2011/03	2013-01-07	Mid-Flood		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS8	13:52:06	2.8	Bottom	3	1	18.53	8.38	33.29	104.7	8.04	3.3	4.2	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS8	13:52:37	2.8	Bottom	3	2	18.46	8.38	33.27	104.5	8.03	3.5	3.9	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS(Mf)9	13:35:55	1.0	Surface	1	1	18.01	8.39	33.22	107.6	8.35	3.5	3.9	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS(Mf)9	13:36:20	1.0	Surface	1	2	17.96	8.39	33.22	107.8	8.37	3.6	4	
HKLR	HY/2011/03	2013-01-07	Mid-Flood		IS(Mf)9			Middle	2	1								
HKLR	HY/2011/03	2013-01-07	Mid-Flood		IS(Mf)9			Middle	2	2								
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS(Mf)9	13:35:41	2.5	Bottom	3	1	17.9	8.39	33.19	107.4	8.35	3.6	5.6	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS(Mf)9	13:36:06	2.5	Bottom	3	2	17.85	8.4	33.17	107	8.33	3.6	6.9	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS10	13:05:06	1.0	Surface	1	1	18.57	8.22	34.09	98.8	7.55	2.9	6	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS10	13:04:07	1.0	Surface	1	2	18.61	8.23	34.09	98.8	7.54	2.7	5.2	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS10	13:04:47	5.4	Middle	2	1	18.44	8.22	34.08	97.8	7.49	3	5.1	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS10	13:03:49	5.4	Middle	2	2	18.51	8.22	34.08	97.8	7.48	2.9	6.2	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS10	13:03:34	9.8	Bottom	3	1	18.43	8.22	34.07	97.6	7.47	3.1	5.4	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	IS10	13:04:29	9.8	Bottom	3	2	18.39	8.22	34.08	97.4	7.46	3.4	6	
HKLR	HY/2011/03	2013-01-07	Mid-Flood		SR3			Surface	1	1								
HKLR	HY/2011/03	2013-01-07	Mid-Flood		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	SR3	13:05:26	0.7	Middle	2	1	17.46	8.4	33.17	103.9	8.15	4.1	4.3	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	SR3	13:05:12	0.7	Middle	2	2	17.45	8.4	33.18	104.1	8.17	4.1	4.1	
HKLR	HY/2011/03	2013-01-07	Mid-Flood		SR3			Bottom	3	1								
HKLR	HY/2011/03	2013-01-07	Mid-Flood		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	SR4	13:47:13	1.0	Surface	1	1	18.57	8.37	33.28	104.1	7.99	3	3.1	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	SR4	13:46:50	1.0	Surface	1	2	18.56	8.38	33.28	104	7.98	3	2.5	
HKLR	HY/2011/03	2013-01-07	Mid-Flood		SR4			Middle	2	1								
HKLR	HY/2011/03	2013-01-07	Mid-Flood		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	SR4	13:47:00	2.7	Bottom	3	1	18.56	8.37	33.27	103.9	7.98	3	3.4	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	SR4	13:46:37	2.7	Bottom	3	2	18.56	8.38	33.28	104	7.98	3.1	3.1	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	SR5	13:14:24	1.0	Surface	1	1	18.93	8.21	34.16	96.8	7.34	1.8	3.1	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	SR5	13:14:47	1.0	Surface	1	2	18.93	8.21	34.16	96.7	7.33	1.9	3.8	
HKLR	HY/2011/03	2013-01-07	Mid-Flood		SR5			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	2013-01-07	Mid-Flood		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	SR5	13:14:12	4.5	Bottom	3	1	18.92	8.21	34.15	96.6	7.33	1.8	2.4	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	SR5	13:14:35	4.5	Bottom	3	2	18.92	8.21	34.15	96.6	7.33	1.9	2.8	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	SR10A	15:14:55	1.0	Surface	1	1	18.75	8.36	33.21	96.9	7.41	2.3	2.6	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	SR10A	15:15:35	1.0	Surface	1	2	18.77	8.36	33.21	96.3	7.37	2.4	2	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	SR10A	15:14:37	3.3	Middle	2	1	18.75	8.36	33.21	97.2	7.44	2.5	2.1	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	SR10A	15:15:20	3.3	Middle	2	2	18.77	8.36	33.22	96.1	7.35	2.2	2.3	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	SR10A	15:15:07	5.6	Bottom	3	1	18.77	8.36	33.22	96.5	7.38	2.2	2.1	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	SR10A	15:14:19	5.6	Bottom	3	2	18.75	8.36	33.2	98.6	7.54	2.3	2.1	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	SR10B	15:20:42	1.0	Surface	1	1	18.65	8.37	33.14	98.8	7.57	2.1	2.2	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	SR10B	15:21:11	1.0	Surface	1	2	18.65	8.37	33.14	98.6	7.56	2.1	2.2	
HKLR	HY/2011/03	2013-01-07	Mid-Flood		SR10B			Middle	2	1								
HKLR	HY/2011/03	2013-01-07	Mid-Flood		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	SR10B	15:20:31	4.5	Bottom	3	1	18.65	8.37	33.14	98.8	7.57	2.1	2.2	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	SR10B	15:20:55	4.5	Bottom	3	2	18.65	8.37	33.14	98.7	7.57	2.1	2.3	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	CS2	13:41:46	1.0	Surface	1	1	17.69	8.31	34.41	102.3	7.93	2.5	4	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	CS2	13:42:50	1.0	Surface	1	2	17.69	8.31	34.4	101.9	7.9	2.5	3.1	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	CS2	13:42:34	4.2	Middle	2	1	17.66	8.31	34.4	101.4	7.86	2.8	5.9	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	CS2	13:41:22	4.2	Middle	2	2	17.67	8.31	34.42	101.9	7.9	2.7	5	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	CS2	13:40:58	7.3	Bottom	3	1	17.61	8.32	34.41	102.6	7.96	3.2	5.7	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	CS2	13:42:07	7.3	Bottom	3	2	17.62	8.31	34.4	101.1	7.84	2.9	6.1	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	CS(Mf)5	14:40:11	1.0	Surface	1	1	18.97	8.36	33.27	95.5	7.28	3.3	2.2	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	CS(Mf)5	14:39:25	1.0	Surface	1	2	18.95	8.36	33.28	95.6	7.28	3.2	2.2	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	CS(Mf)5	14:39:57	6.4	Middle	2	1	18.93	8.36	33.27	95	7.24	3.4	3.6	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	CS(Mf)5	14:39:11	6.4	Middle	2	2	18.94	8.36	33.27	95.1	7.25	3.6	2.7	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	CS(Mf)5	14:38:53	11.7	Bottom	3	1	18.93	8.36	33.27	95	7.24	3.8	2.9	
HKLR	HY/2011/03	2013-01-07	Mid-Flood	Sunny	CS(Mf)5	14:39:43	11.7	Bottom	3	2	18.92	8.36	33.27	94.9	7.23	3.7	3.8	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS5	11:42:59	1.0	Surface	1	1	17.5	8.43	33.34	110.4	8.64	3.4	6.1	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS5	11:43:49	1.0	Surface	1	2	17.5	8.43	33.34	110.4	8.64	3.7	7.1	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS5	11:43:39	4.3	Middle	2	1	17.49	8.43	33.34	109.9	8.61	3.5	5.6	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS5	11:42:46	4.3	Middle	2	2	17.47	8.43	33.34	109.8	8.6	3.5	7.1	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS5	11:42:35	7.6	Bottom	3	1	17.46	8.42	33.35	109.7	8.59	4.2	6.2	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS5	11:43:12	7.6	Bottom	3	2	17.46	8.42	33.34	109.8	8.6	4.1	4.9	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS(Mf)6	11:33:23	1.0	Surface	1	1	17.68	8.43	33.38	112	8.73	4.5	6.7	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS(Mf)6	11:33:52	1.0	Surface	1	2	17.69	8.43	33.38	111.9	8.72	4.5	5.2	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb		IS(Mf)6			Middle	2	1								
HKLR	HY/2011/03	2013-01-09	Mid-Ebb		IS(Mf)6			Middle	2	2								
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS(Mf)6	11:33:34	2.1	Bottom	3	1	17.67	8.43	33.38	111.9	8.73	4.6	6.3	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS(Mf)6	11:33:07	2.1	Bottom	3	2	17.66	8.43	33.39	111.9	8.73	4.6	7	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS7	11:24:32	1.0	Surface	1	1	17.78	8.46	33.36	117.7	9.16	5.1	9.8	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS7	11:25:22	1.0	Surface	1	2	17.81	8.46	33.35	119.6	9.31	5.2	8.2	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb		IS7			Middle	2	1								
HKLR	HY/2011/03	2013-01-09	Mid-Ebb		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS7	11:25:11	2.3	Bottom	3	1	17.78	8.46	33.36	119.2	9.28	6.6	10.4	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS7	11:24:22	2.3	Bottom	3	2	17.77	8.45	33.37	117.4	9.14	6.4	10.3	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS8	11:00:08	1.0	Surface	1	1	18.26	8.41	33.53	104.9	8.09	3.2	7.2	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS8	10:59:42	1.0	Surface	1	2	18.25	8.41	33.53	104.9	8.09	3.4	7.1	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb		IS8			Middle	2	1								
HKLR	HY/2011/03	2013-01-09	Mid-Ebb		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS8	10:59:55	3.1	Bottom	3	1	18.25	8.41	33.53	104.8	8.08	3.5	4.6	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS8	10:59:31	3.1	Bottom	3	2	18.25	8.41	33.53	104.7	8.07	3.5	4	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS(Mf)9	11:17:09	1.0	Surface	1	1	18.23	8.42	33.51	107.9	8.32	2.9	6.5	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS(Mf)9	11:16:11	1.0	Surface	1	2	18.25	8.42	33.52	107.9	8.32	2.8	8	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb		IS(Mf)9			Middle	2	1								
HKLR	HY/2011/03	2013-01-09	Mid-Ebb		IS(Mf)9			Middle	2	2								
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS(Mf)9	11:16:40	2.7	Bottom	3	1	18.17	8.42	33.52	107.9	8.33	3.3	5.5	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS(Mf)9	11:15:58	2.7	Bottom	3	2	18.19	8.42	33.51	107.7	8.31	3.2	5.5	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS10	12:08:21	1.0	Surface	1	1	18.32	8.26	34.17	104.3	8	2.8	4.1	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS10	12:07:29	1.0	Surface	1	2	18.33	8.25	34.17	104.2	7.99	2.5	5.8	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS10	12:07:59	5.5	Middle	2	1	18.22	8.25	34.17	103.4	7.95	2.8	5.8	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS10	12:07:07	5.5	Middle	2	2	18.2	8.25	34.17	103.2	7.93	3.2	6.9	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS10	12:06:54	9.9	Bottom	3	1	18.19	8.25	34.18	103.2	7.93	3.2	4.7	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	IS10	12:07:43	9.9	Bottom	3	2	18.22	8.25	34.16	103.4	7.95	2.9	5.4	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb		SR3			Surface	1	1								
HKLR	HY/2011/03	2013-01-09	Mid-Ebb		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	SR3	11:49:55	0.7	Middle	2	1	17.64	8.42	33.34	108.2	8.45	3.5	6.2	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	SR3	11:50:06	0.7	Middle	2	2	17.64	8.42	33.35	108.3	8.46	3.4	7.8	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb		SR3			Bottom	3	1								
HKLR	HY/2011/03	2013-01-09	Mid-Ebb		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	SR4	11:05:47	1.0	Surface	1	1	18.21	8.41	33.52	105.7	8.16	3.7	6.9	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	SR4	11:05:26	1.0	Surface	1	2	18.21	8.41	33.52	105.7	8.15	3.9	5.5	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb		SR4			Middle	2	1								
HKLR	HY/2011/03	2013-01-09	Mid-Ebb		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	SR4	11:05:14	3.0	Bottom	3	1	18.21	8.41	33.52	105.4	8.13	3.9	6.9	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	SR4	11:05:37	3.0	Bottom	3	2	18.2	8.41	33.51	105.6	8.15	3.8	5.5	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	SR5	11:56:17	1.0	Surface	1	1	18.35	8.24	34.16	103.8	7.96	2.4	6.4	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	SR5	11:55:44	1.0	Surface	1	2	18.36	8.24	34.16	103.8	7.95	2.4	6.5	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb		SR5			Middle	2	1								
HKLR	HY/2011/03	2013-01-09	Mid-Ebb		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	SR5	11:55:29	4.6	Bottom	3	1	18.26	8.24	34.17	103.3	7.93	2.6	4.3	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	SR5	11:56:00	4.6	Bottom	3	2	18.27	8.24	34.16	103.3	7.93	2.4	5.1	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	SR10A	09:43:12	1.0	Surface	1	1	18.42	8.32	33.29	93.3	7.18	2.6	5.7	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	SR10A	09:43:57	1.0	Surface	1	2	18.42	8.32	33.28	93.2	7.17	2.6	7.2	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	SR10A	09:42:57	3.2	Middle	2	1	18.43	8.32	33.29	93.1	7.16	2.6	5.8	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	SR10A	09:43:42	3.2	Middle	2	2	18.43	8.32	33.29	93.1	7.16	2.6	5	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	SR10A	09:43:27	5.4	Bottom	3	1	18.43	8.32	33.29	93	7.15	2.6	5	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	SR10A	09:42:42	5.4	Bottom	3	2	18.43	8.32	33.29	93	7.15	2.5	3.6	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	SR10B	09:37:18	1.0	Surface	1	1	18.31	8.32	33.33	95.5	7.36	2	4.8	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	SR10B	09:36:45	1.0	Surface	1	2	18.31	8.32	33.33	95.5	7.36	1.9	4.3	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb		SR10B			Middle	2	1								
HKLR	HY/2011/03	2013-01-09	Mid-Ebb		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	SR10B	09:37:04	4.0	Bottom	3	1	18.31	8.32	33.33	95.2	7.34	1.9	4	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	SR10B	09:36:25	4.0	Bottom	3	2	18.31	8.31	33.33	95.3	7.35	2.1	4.4	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	CS2	11:23:11	1.0	Surface	1	1	18.02	8.25	34.29	101.3	7.81	3.7	9.7	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	CS2	11:22:06	1.0	Surface	1	2	18.04	8.25	34.28	101.7	7.84	3.5	9.2	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	CS2	11:21:44	3.8	Middle	2	1	17.99	8.24	34.31	100.8	7.77	3.8	7.8	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	CS2	11:22:52	3.8	Middle	2	2	17.98	8.25	34.32	100.3	7.73	3.7	8.6	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	CS2	11:21:24	6.6	Bottom	3	1	17.96	8.24	34.36	101.2	7.8	4.1	8	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	CS2	11:22:38	6.6	Bottom	3	2	17.96	8.25	34.34	100.1	7.72	3.9	9	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	CS(Mf)5	10:14:18	1.0	Surface	1	1	18.43	8.35	33.29	94.2	7.25	2.1	6.8	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	CS(Mf)5	10:15:13	1.0	Surface	1	2	18.42	8.35	33.29	94.1	7.24	2.3	5.2	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	CS(Mf)5	10:14:02	6.6	Middle	2	1	18.42	8.35	33.3	93.8	7.22	2.1	6.9	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	CS(Mf)5	10:14:59	6.6	Middle	2	2	18.42	8.35	33.29	93.7	7.21	2.2	5.5	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	CS(Mf)5	10:14:43	12.1	Bottom	3	1	18.42	8.35	33.29	93.5	7.19	2.2	5.4	
HKLR	HY/2011/03	2013-01-09	Mid-Ebb	Fine	CS(Mf)5	10:13:51	12.1	Bottom	3	2	18.42	8.35	33.3	93.7	7.21	2.2	4.8	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS5	15:03:19	1.0	Surface	1	1	17.75	8.46	33.34	115.1	8.97	4.1	6.1	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS5	15:04:03	1.0	Surface	1	2	17.75	8.46	33.33	115.2	8.97	3.9	6.1	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS5	15:03:05	4.4	Middle	2	1	17.75	8.46	33.34	114.7	8.93	3.9	6.4	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS5	15:03:45	4.4	Middle	2	2	17.74	8.46	33.33	114.7	8.94	3.9	7	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS5	15:03:33	7.7	Bottom	3	1	17.75	8.46	33.34	114.6	8.93	3.8	5.7	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS5	15:02:52	7.7	Bottom	3	2	17.75	8.46	33.34	114.4	8.92	3.8	7.1	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS(Mf)6	15:13:07	1.0	Surface	1	1	17.94	8.5	33.35	125.1	9.71	10.5	12.8	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS(Mf)6	15:12:44	1.0	Surface	1	2	17.94	8.5	33.36	124.3	9.65	11	13.3	
HKLR	HY/2011/03	2013-01-09	Mid-Flood		IS(Mf)6			Middle	2	1								
HKLR	HY/2011/03	2013-01-09	Mid-Flood		IS(Mf)6			Middle	2	2								
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS(Mf)6	15:12:54	2.1	Bottom	3	1	17.94	8.5	33.35	124.7	9.68	11.8	16.6	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS(Mf)6	15:12:31	2.1	Bottom	3	2	17.94	8.5	33.36	123.7	9.6	12.2	17.3	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS7	15:20:22	1.0	Surface	1	1	18.27	8.53	33.4	132.4	10.21	5.3	9.6	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS7	15:20:00	1.0	Surface	1	2	18.26	8.52	33.41	131.8	10.17	5.4	8.7	
HKLR	HY/2011/03	2013-01-09	Mid-Flood		IS7			Middle	2	1								
HKLR	HY/2011/03	2013-01-09	Mid-Flood		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS7	15:20:10	2.1	Bottom	3	1	18.25	8.52	33.4	132	10.18	5.5	7.1	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS7	15:19:50	2.1	Bottom	3	2	18.24	8.52	33.4	131.4	10.14	5.6	8.3	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS8	15:43:43	1.0	Surface	1	1	18.69	8.43	33.38	113.4	8.67	3.9	9.5	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS8	15:43:21	1.0	Surface	1	2	18.71	8.43	33.37	113.3	8.66	3.9	10.2	
HKLR	HY/2011/03	2013-01-09	Mid-Flood		IS8			Middle	2	1								
HKLR	HY/2011/03	2013-01-09	Mid-Flood		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS8	15:43:10	2.8	Bottom	3	1	18.67	8.43	33.37	112.9	8.65	4.2	9.8	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS8	15:43:33	2.8	Bottom	3	2	18.66	8.43	33.38	113	8.65	4.2	10	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS(Mf)9	15:27:10	1.0	Surface	1	1	18.45	8.46	33.47	119.1	9.15	3.1	5.8	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS(Mf)9	15:27:38	1.0	Surface	1	2	18.48	8.46	33.47	118.7	9.11	3.2	5.3	
HKLR	HY/2011/03	2013-01-09	Mid-Flood		IS(Mf)9			Middle	2	1								
HKLR	HY/2011/03	2013-01-09	Mid-Flood		IS(Mf)9			Middle	2	2								
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS(Mf)9	15:27:23	2.7	Bottom	3	1	18.37	8.47	33.44	118.7	9.13	3.1	3.5	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS(Mf)9	15:26:54	2.7	Bottom	3	2	18.33	8.47	33.43	118.8	9.15	3.1	4.8	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS10	15:03:37	1.0	Surface	1	1	18.6	8.28	34.13	105.9	8.08	2.7	5.9	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS10	15:04:59	1.0	Surface	1	2	18.6	8.28	34.12	106	8.09	2.6	5	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS10	15:04:20	5.5	Middle	2	1	18.59	8.28	34.13	105.2	8.03	3.3	8.4	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS10	15:03:16	5.5	Middle	2	2	18.6	8.28	34.13	105.3	8.04	3.1	7.4	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS10	15:03:01	10.0	Bottom	3	1	18.56	8.28	34.14	104.9	8.01	4.1	5.9	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	IS10	15:04:03	10.0	Bottom	3	2	18.54	8.28	34.15	104.8	8.01	4	6.4	
HKLR	HY/2011/03	2013-01-09	Mid-Flood		SR3			Surface	1	1								
HKLR	HY/2011/03	2013-01-09	Mid-Flood		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	SR3	14:55:01	0.7	Middle	2	1	17.73	8.48	33.36	111.9	8.72	3.5	8.3	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	SR3	14:54:45	0.7	Middle	2	2	17.72	8.48	33.37	111.2	8.67	3.7	9.6	
HKLR	HY/2011/03	2013-01-09	Mid-Flood		SR3			Bottom	3	1								
HKLR	HY/2011/03	2013-01-09	Mid-Flood		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	SR4	15:38:13	1.0	Surface	1	1	18.73	8.43	33.4	113.3	8.66	3.1	4.6	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	SR4	15:37:48	1.0	Surface	1	2	18.72	8.43	33.4	113.2	8.66	3.3	3.9	
HKLR	HY/2011/03	2013-01-09	Mid-Flood		SR4			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	2013-01-09	Mid-Flood		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	SR4	15:38:00	2.8	Bottom	3	1	18.7	8.43	33.4	113.2	8.66	3.6	9.2	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	SR4	15:37:37	2.8	Bottom	3	2	18.71	8.43	33.4	113	8.64	3.5	7.9	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	SR5	15:14:51	1.0	Surface	1	1	18.32	8.3	34.2	109.4	8.39	5.7	11.1	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	SR5	15:14:17	1.0	Surface	1	2	18.32	8.3	34.2	109.3	8.38	5.6	10.7	
HKLR	HY/2011/03	2013-01-09	Mid-Flood		SR5			Middle	2	1								
HKLR	HY/2011/03	2013-01-09	Mid-Flood		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	SR5	15:14:34	4.8	Bottom	3	1	18.29	8.3	34.2	109	8.36	6.3	12.8	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	SR5	15:14:04	4.8	Bottom	3	2	18.3	8.3	34.2	109	8.36	5.9	13.5	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	SR10A	17:07:03	1.0	Surface	1	1	18.39	8.34	33.14	95.3	7.35	2.3	7.2	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	SR10A	17:06:16	1.0	Surface	1	2	18.39	8.34	33.14	95.4	7.35	2.4	7.3	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	SR10A	17:06:44	3.2	Middle	2	1	18.39	8.34	33.14	95.2	7.34	2.5	8.4	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	SR10A	17:06:07	3.2	Middle	2	2	18.39	8.34	33.14	95.2	7.34	2.5	9.7	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	SR10A	17:05:56	5.4	Bottom	3	1	18.39	8.34	33.15	95.2	7.34	2.5	10.5	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	SR10A	17:06:29	5.4	Bottom	3	2	18.39	8.34	33.14	95.1	7.33	2.5	8.7	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	SR10B	17:11:58	1.0	Surface	1	1	18.31	8.36	33.15	97.9	7.55	2.5	8.9	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	SR10B	17:11:35	1.0	Surface	1	2	18.31	8.36	33.15	97.7	7.54	2.6	7.7	
HKLR	HY/2011/03	2013-01-09	Mid-Flood		SR10B			Middle	2	1								
HKLR	HY/2011/03	2013-01-09	Mid-Flood		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	SR10B	17:11:23	4.2	Bottom	3	1	18.31	8.36	33.15	97.6	7.53	2.5	11.4	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	SR10B	17:11:44	4.2	Bottom	3	2	18.31	8.36	33.15	97.6	7.53	2.5	9.9	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	CS2	15:44:00	1.0	Surface	1	1	18.08	8.32	34.34	102.9	7.92	3.3	10.2	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	CS2	15:42:51	1.0	Surface	1	2	18.08	8.32	34.34	103.4	7.96	3.3	11.1	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	CS2	15:42:25	4.0	Middle	2	1	18.08	8.32	34.35	103.2	7.94	3.4	8.9	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	CS2	15:43:38	4.0	Middle	2	2	18.08	8.32	34.34	102.7	7.91	3.5	7.6	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	CS2	15:43:22	6.9	Bottom	3	1	18.08	8.32	34.34	102.5	7.89	3.8	9.1	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	CS2	15:42:04	6.9	Bottom	3	2	18.08	8.32	34.34	103.1	7.93	3.5	8.6	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	CS(Mf)5	16:39:25	1.0	Surface	1	1	18.43	8.34	33.14	93.5	7.2	2.5	6.1	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	CS(Mf)5	16:38:29	1.0	Surface	1	2	18.43	8.34	33.14	93.5	7.2	2.6	4.4	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	CS(Mf)5	16:39:02	6.7	Middle	2	1	18.44	8.33	33.14	93	7.16	3.1	7.9	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	CS(Mf)5	16:38:14	6.7	Middle	2	2	18.44	8.33	33.14	93.1	7.16	3.1	6.6	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	CS(Mf)5	16:38:46	12.3	Bottom	3	1	18.44	8.33	33.14	92.8	7.15	3.2	5.4	
HKLR	HY/2011/03	2013-01-09	Mid-Flood	Sunny	CS(Mf)5	16:38:00	12.3	Bottom	3	2	18.44	8.33	33.14	92.9	7.15	3	7	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS5	13:33:31	1.0	Surface	1	1	17.47	8.41	33.05	106.8	8.38	5.8	12.6	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS5	13:34:09	1.0	Surface	1	2	17.47	8.41	33.05	107.1	8.41	5.4	11.1	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS5	13:33:59	4.3	Middle	2	1	17.47	8.41	33.05	106.7	8.38	5.4	11.1	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS5	13:33:20	4.3	Middle	2	2	17.47	8.41	33.05	106.4	8.35	5.9	10.6	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS5	13:33:46	7.6	Bottom	3	1	17.47	8.41	33.05	106.6	8.36	5.6	10.4	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS5	13:33:08	7.6	Bottom	3	2	17.48	8.41	33.04	106.3	8.34	6	8.8	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS(Mf)6	13:24:06	1.0	Surface	1	1	17.46	8.44	33.07	112.5	8.83	5.2	9.1	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS(Mf)6	13:24:36	1.0	Surface	1	2	17.48	8.44	33.07	112.9	8.86	4.8	7.4	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb		IS(Mf)6			Middle	2	1								
HKLR	HY/2011/03	2013-01-11	Mid-Ebb		IS(Mf)6			Middle	2	2								
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS(Mf)6	13:23:55	2.3	Bottom	3	1	17.42	8.44	33.07	112	8.8	5.3	7.8	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS(Mf)6	13:24:17	2.3	Bottom	3	2	17.42	8.44	33.07	112.7	8.85	5	7	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS7	13:15:39	1.0	Surface	1	1	17.95	8.42	33.09	112.2	8.72	4.1	6.2	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS7	13:15:21	1.0	Surface	1	2	17.96	8.42	33.09	112.4	8.74	4.2	7.2	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb		IS7			Middle	2	1								
HKLR	HY/2011/03	2013-01-11	Mid-Ebb		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS7	13:15:09	2.4	Bottom	3	1	17.96	8.42	33.07	112.3	8.73	4.2	8.9	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS7	13:15:27	2.4	Bottom	3	2	17.93	8.42	33.06	112.1	8.71	4.2	7.3	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS8	12:52:33	1.0	Surface	1	1	17.85	8.42	33.14	112.8	8.78	4.6	8.3	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS8	12:52:49	1.0	Surface	1	2	17.87	8.42	33.13	113.1	8.8	4.4	7.1	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb		IS8			Middle	2	1								
HKLR	HY/2011/03	2013-01-11	Mid-Ebb		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS8	12:52:26	3.4	Bottom	3	1	17.84	8.42	33.13	112.3	8.75	4.6	7.3	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS8	12:52:40	3.4	Bottom	3	2	17.87	8.42	33.12	112.7	8.77	4.4	8.8	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS(Mf)9	13:08:55	1.0	Surface	1	1	17.83	8.42	33.1	112.2	8.74	4.2	5.8	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS(Mf)9	13:09:16	1.0	Surface	1	2	17.86	8.42	33.09	112.6	8.77	4.3	4.3	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb		IS(Mf)9			Middle	2	1								
HKLR	HY/2011/03	2013-01-11	Mid-Ebb		IS(Mf)9			Middle	2	2								
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS(Mf)9	13:08:48	2.3	Bottom	3	1	17.81	8.42	33.06	111.6	8.7	4.2	6.8	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS(Mf)9	13:09:05	2.3	Bottom	3	2	17.72	8.43	33.08	112	8.74	4.4	6.6	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS10	12:58:14	1.0	Surface	1	1	17.73	8.24	33.77	103	8.01	2.6	9.5	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS10	13:00:26	1.0	Surface	1	2	17.75	8.24	33.77	103.5	8.04	2.7	8	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS10	12:58:00	5.5	Middle	2	1	17.62	8.23	33.79	102.3	7.97	4	11.4	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS10	13:00:14	5.5	Middle	2	2	17.62	8.23	33.77	102.9	8.02	3.8	9.8	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS10	12:57:47	9.9	Bottom	3	1	17.63	8.23	33.8	102.3	7.97	4.2	7.8	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	IS10	12:58:28	9.9	Bottom	3	2	17.6	8.24	33.81	102.2	7.96	4.1	6.4	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb		SR3			Surface	1	1								
HKLR	HY/2011/03	2013-01-11	Mid-Ebb		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	SR3	13:39:54	0.8	Middle	2	1	17.63	8.45	33.05	113.6	8.88	4.4	7.6	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	SR3	13:39:49	0.8	Middle	2	2	17.63	8.45	33.05	113.3	8.86	4.5	8.1	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb		SR3			Bottom	3	1								
HKLR	HY/2011/03	2013-01-11	Mid-Ebb		SR3			Bottom	3	2								

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	SR4	13:01:17	1.0	Surface	1	1	17.92	8.43	33.13	114.3	8.89	3.8	7.8	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	SR4	13:00:47	1.0	Surface	1	2	17.92	8.43	33.13	114.1	8.87	3.8	7.7	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb		SR4			Middle	2	1								
HKLR	HY/2011/03	2013-01-11	Mid-Ebb		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	SR4	13:00:32	2.6	Bottom	3	1	17.88	8.43	33.13	113.8	8.86	4.1	4.6	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	SR4	13:01:04	2.6	Bottom	3	2	17.87	8.43	33.14	114.1	8.88	4	5.6	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	SR5	13:12:24	1.0	Surface	1	1	18.06	8.24	33.83	104.3	8.06	2.9	13.3	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	SR5	13:12:49	1.0	Surface	1	2	17.99	8.24	33.83	104.1	8.05	3	14.8	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb		SR5			Middle	2	1								
HKLR	HY/2011/03	2013-01-11	Mid-Ebb		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	SR5	13:12:06	3.7	Bottom	3	1	17.72	8.24	33.8	103.3	8.03	3	12.2	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	SR5	13:12:35	3.7	Bottom	3	2	17.76	8.24	33.79	103.4	8.03	3	13.3	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	SR10A	11:44:21	1.0	Surface	1	1	18.14	8.28	33.02	96	7.44	2.6	5.9	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	SR10A	11:44:57	1.0	Surface	1	2	18.17	8.29	33.02	96.2	7.45	2.6	6.4	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	SR10A	11:44:48	3.1	Middle	2	1	18.08	8.29	33.02	95.6	7.42	2.7	5.9	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	SR10A	11:44:12	3.1	Middle	2	2	18.01	8.28	33.02	95.6	7.42	2.8	6.2	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	SR10A	11:44:05	5.2	Bottom	3	1	18.01	8.28	33.02	95.5	7.42	2.8	4.4	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	SR10A	11:44:35	5.2	Bottom	3	2	18.01	8.28	33.02	95.5	7.42	2.7	4.9	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	SR10B	11:38:26	1.0	Surface	1	1	18.11	8.26	33.04	96.4	7.47	2.6	6.6	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	SR10B	11:38:07	1.0	Surface	1	2	18.1	8.26	33.05	96.6	7.49	2.7	6.4	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb		SR10B			Middle	2	1								
HKLR	HY/2011/03	2013-01-11	Mid-Ebb		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	SR10B	11:37:59	4.2	Bottom	3	1	18.08	8.26	33.01	96.5	7.49	2.7	7.9	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	SR10B	11:38:17	4.2	Bottom	3	2	18.05	8.26	33.01	96.2	7.47	2.7	6.2	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	CS2	14:30:19	1.0	Surface	1	1	17.87	8.24	33.89	101.4	7.85	3.3	12	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	CS2	14:29:36	1.0	Surface	1	2	17.87	8.24	33.89	101.6	7.87	3.6	12.4	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	CS2	14:30:00	4.0	Middle	2	1	17.81	8.24	33.9	100.8	7.82	3.5	10.9	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	CS2	14:29:18	4.0	Middle	2	2	17.82	8.24	33.9	100.8	7.82	3.5	10.1	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	CS2	14:29:48	6.9	Bottom	3	1	17.81	8.24	33.89	101	7.83	3.5	10.9	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	CS2	14:28:58	6.9	Bottom	3	2	17.79	8.23	33.9	100.9	7.83	3.4	12	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	CS(Mf)5	12:17:51	1.0	Surface	1	1	18.17	8.3	33.01	96.7	7.48	2.9	5.1	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	CS(Mf)5	12:17:10	1.0	Surface	1	2	18.15	8.3	33.01	96.6	7.5	3.1	6.9	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	CS(Mf)5	12:17:36	6.6	Middle	2	1	18	8.31	33.04	96.6	7.5	3.7	3.9	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	CS(Mf)5	12:16:57	6.6	Middle	2	2	18	8.31	33.03	96.5	7.48	3.7	4.4	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	CS(Mf)5	12:16:48	12.1	Bottom	3	1	18.02	8.31	33.07	96.2	7.47	3.7	5.1	
HKLR	HY/2011/03	2013-01-11	Mid-Ebb	Sunny	CS(Mf)5	12:17:27	12.1	Bottom	3	2	18.02	8.31	33.07	95.9	7.44	3.7	6.3	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS5	16:28:31	1.0	Surface	1	1	17.54	8.44	33.08	115.4	9.04	6.1	7.2	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS5	16:27:56	1.0	Surface	1	2	17.55	8.44	33.08	115.2	9.03	6	7.3	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS5	16:28:17	4.6	Middle	2	1	17.55	8.44	33.08	114.9	9	6.3	8.8	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS5	16:27:46	4.6	Middle	2	2	17.55	8.44	33.08	114.6	8.98	6.5	7.9	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS5	16:27:36	8.1	Bottom	3	1	17.55	8.44	33.07	114.3	8.96	6.4	6.4	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS5	16:28:08	8.1	Bottom	3	2	17.55	8.44	33.07	114.9	9	6.6	7.9	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS(Mf)6	16:36:15	1.0	Surface	1	1	17.71	8.49	33.14	125.1	9.76	7	9.9	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS(Mf)6	16:36:37	1.0	Surface	1	2	17.68	8.49	33.13	124.5	9.72	6.6	11.4	
HKLR	HY/2011/03	2013-01-11	Mid-Flood		IS(Mf)6			Middle	2	1								
HKLR	HY/2011/03	2013-01-11	Mid-Flood		IS(Mf)6			Middle	2	2								
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS(Mf)6	16:36:09	2.4	Bottom	3	1	17.72	8.49	33.14	124.9	9.75	7	8.8	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS(Mf)6	16:36:27	2.4	Bottom	3	2	17.7	8.49	33.13	124.1	9.69	6.8	10.2	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS7	16:43:51	1.0	Surface	1	1	17.84	8.46	33.11	119.7	9.32	5.4	7.1	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS7	16:43:27	1.0	Surface	1	2	17.84	8.46	33.1	119.5	9.31	5.5	8.8	
HKLR	HY/2011/03	2013-01-11	Mid-Flood		IS7			Middle	2	1								
HKLR	HY/2011/03	2013-01-11	Mid-Flood		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS7	16:43:35	2.3	Bottom	3	1	17.84	8.46	33.11	119.5	9.31	5.6	9.9	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS7	16:43:20	2.3	Bottom	3	2	17.85	8.47	33.11	119.3	9.29	5.7	10.6	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS8	17:06:42	1.0	Surface	1	1	17.89	8.43	33.13	113.5	8.83	4.8	7.3	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS8	17:07:07	1.0	Surface	1	2	17.89	8.43	33.12	113.4	8.82	4.7	7.7	
HKLR	HY/2011/03	2013-01-11	Mid-Flood		IS8			Middle	2	1								
HKLR	HY/2011/03	2013-01-11	Mid-Flood		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS8	17:06:56	2.5	Bottom	3	1	17.91	8.43	33.09	113.2	8.81	4.9	8.5	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS8	17:06:27	2.5	Bottom	3	2	17.9	8.43	33.13	113.2	8.81	4.9	8.1	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS(Mf)9	16:50:22	1.0	Surface	1	1	17.86	8.4	33.11	105.7	8.23	6.8	8.5	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS(Mf)9	16:50:43	1.0	Surface	1	2	17.86	8.4	33.11	105.8	8.24	6.6	8.9	
HKLR	HY/2011/03	2013-01-11	Mid-Flood		IS(Mf)9			Middle	2	1								
HKLR	HY/2011/03	2013-01-11	Mid-Flood		IS(Mf)9			Middle	2	2								
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS(Mf)9	16:50:05	2.4	Bottom	3	1	17.86	8.4	33.11	105.6	8.22	6.8	8.8	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS(Mf)9	16:50:35	2.4	Bottom	3	2	17.86	8.4	33.11	105.7	8.23	6.7	10.4	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS10	17:52:25	1.0	Surface	1	1	17.74	8.28	33.81	103.8	8.06	2.9	9.1	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS10	17:53:09	1.0	Surface	1	2	17.73	8.28	33.81	103.7	8.06	2.8	9	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS10	17:52:51	5.4	Middle	2	1	17.73	8.28	33.81	103.4	8.03	3.8	8.6	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS10	17:52:07	5.4	Middle	2	2	17.74	8.28	33.81	103.3	8.03	3.9	6.7	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS10	17:51:53	9.7	Bottom	3	1	17.74	8.28	33.81	103.1	8.01	3.8	6.3	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	IS10	17:52:36	9.7	Bottom	3	2	17.74	8.28	33.81	103.3	8.02	3.8	6.1	
HKLR	HY/2011/03	2013-01-11	Mid-Flood		SR3			Surface	1	1								
HKLR	HY/2011/03	2013-01-11	Mid-Flood		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	SR3	16:19:56	0.9	Middle	2	1	17.64	8.36	33.06	105.5	8.25	4.9	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	2013-01-11	Mid-Flood	Sunny	SR3	16:19:52	0.9	Middle	2	2	17.64	8.36	33.06	105.4	8.24	5	5.4	
HKLR	HY/2011/03	2013-01-11	Mid-Flood		SR3			Bottom	3	1								
HKLR	HY/2011/03	2013-01-11	Mid-Flood		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	SR4	17:00:59	1.0	Surface	1	1	18.08	8.45	33.13	117.6	9.11	3.9	6.4	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	SR4	17:01:18	1.0	Surface	1	2	18.09	8.45	33.13	117.9	9.14	3.8	6.5	
HKLR	HY/2011/03	2013-01-11	Mid-Flood		SR4			Middle	2	1								
HKLR	HY/2011/03	2013-01-11	Mid-Flood		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	SR4	17:00:47	2.5	Bottom	3	1	18.07	8.45	33.13	117.1	9.08	3.9	8.1	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	SR4	17:01:05	2.5	Bottom	3	2	18.08	8.45	33.12	117.6	9.11	3.9	8.6	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	SR5	17:39:41	1.0	Surface	1	1	17.75	8.3	33.85	107.1	8.32	10.2	27.3	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	SR5	17:39:14	1.0	Surface	1	2	17.75	8.3	33.84	107.1	8.32	10.4	27	
HKLR	HY/2011/03	2013-01-11	Mid-Flood		SR5			Middle	2	1								
HKLR	HY/2011/03	2013-01-11	Mid-Flood		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	SR5	17:39:28	3.8	Bottom	3	1	17.76	8.3	33.84	106.8	8.3	10.5	26.9	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	SR5	17:38:57	3.8	Bottom	3	2	17.76	8.3	33.85	106.8	8.29	10.2	27.4	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	SR10A	18:17:21	1.0	Surface	1	1	18.04	8.33	33	94.2	7.31	4.4	8.5	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	SR10A	18:17:50	1.0	Surface	1	2	18.04	8.33	33	94.1	7.3	4.4	7.5	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	SR10A	18:17:12	3.1	Middle	2	1	18.04	8.33	33	94	7.3	4.4	6.6	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	SR10A	18:17:40	3.1	Middle	2	2	18.05	8.33	33	94	7.3	4.6	8.4	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	SR10A	18:17:31	5.1	Bottom	3	1	18.05	8.33	33	93.9	7.29	4.7	6.8	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	SR10A	18:17:04	5.1	Bottom	3	2	18.04	8.34	33	94	7.3	4.6	8.6	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	SR10B	18:22:30	1.0	Surface	1	1	18.03	8.33	33	95	7.38	4.2	8.9	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	SR10B	18:22:57	1.0	Surface	1	2	18.03	8.33	33	94.6	7.34	4.5	9.5	
HKLR	HY/2011/03	2013-01-11	Mid-Flood		SR10B			Middle	2	1								
HKLR	HY/2011/03	2013-01-11	Mid-Flood		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	SR10B	18:22:43	3.4	Bottom	3	1	18.03	8.33	33	94.5	7.34	4.5	7.8	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	SR10B	18:22:19	3.4	Bottom	3	2	18.03	8.33	33	94.8	7.36	4.5	6.7	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	CS2	16:19:35	1.0	Surface	1	1	17.61	8.29	33.78	103.5	8.07	2.3	11.3	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	CS2	16:20:17	1.0	Surface	1	2	17.61	8.29	33.77	103.6	8.07	2.2	9.8	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	CS2	16:20:04	3.9	Middle	2	1	17.62	8.29	33.78	103.4	8.05	2.2	10.6	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	CS2	16:19:21	3.9	Middle	2	2	17.61	8.29	33.78	103.1	8.04	2.1	9.6	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	CS2	16:18:52	6.7	Bottom	3	1	17.61	8.29	33.78	102.5	7.98	2.2	9.8	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	CS2	16:19:50	6.7	Bottom	3	2	17.61	8.29	33.78	103.2	8.04	2.4	8.2	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	CS(Mf)5	17:44:28	1.0	Surface	1	1	18.8	8.35	33.04	97.2	7.55	3	4.9	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	CS(Mf)5	17:45:31	1.0	Surface	1	2	18.07	8.35	33.04	97.3	7.55	3.1	5.6	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	CS(Mf)5	17:45:10	6.6	Middle	2	1	18.08	8.35	33.04	96.9	7.5	3.4	5.5	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	CS(Mf)5	17:44:07	6.6	Middle	2	2	18.1	8.35	33.05	96.6	7.49	3.2	4.8	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	CS(Mf)5	17:44:49	12.1	Bottom	3	1	18.1	8.35	33.05	96.6	7.49	3.6	9.5	
HKLR	HY/2011/03	2013-01-11	Mid-Flood	Sunny	CS(Mf)5	17:43:46	12.1	Bottom	3	2	18.12	8.35	33.05	96.3	7.47	3.4	8.6	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS5	13:38:34	1.0	Surface	1	1	17.32	8.39	32.55	106.6	8.41	6.8	7.6	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS5	13:38:57	1.0	Surface	1	2	17.31	8.39	32.56	106.6	8.41	6.9	7.3	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS5	13:38:50	4.7	Middle	2	1	17.3	8.39	32.57	106.5	8.4	7.4	6.2	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS5	13:38:26	4.7	Middle	2	2	17.31	8.39	32.57	106.3	8.39	7.2	5.8	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS5	13:38:44	8.3	Bottom	3	1	17.31	8.39	32.57	106.3	8.39	8.8	6.1	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS5	13:38:19	8.3	Bottom	3	2	17.31	8.39	32.56	106.2	8.38	8.6	6.7	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS(Mf)6	13:44:45	1.0	Surface	1	1	17.47	8.41	32.74	112.8	8.87	14.4	13	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS(Mf)6	13:44:35	1.0	Surface	1	2	17.47	8.41	32.74	112.4	8.84	14.8	15	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb		IS(Mf)6			Middle	2	1								
HKLR	HY/2011/03	2013-01-14	Mid-Ebb		IS(Mf)6			Middle	2	2								
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS(Mf)6	13:44:40	2.4	Bottom	3	1	17.48	8.41	32.73	112.7	8.85	15.2	16.5	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS(Mf)6	13:44:31	2.4	Bottom	3	2	17.48	8.41	32.73	112.3	8.82	15.1	16	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS7	13:50:24	1.0	Surface	1	1	17.61	8.42	32.75	116.5	9.13	15	8.6	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS7	13:50:34	1.0	Surface	1	2	17.62	8.43	32.75	116.9	9.16	14.7	8.6	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb		IS7			Middle	2	1								
HKLR	HY/2011/03	2013-01-14	Mid-Ebb		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS7	13:50:29	2.4	Bottom	3	1	17.64	8.42	32.74	116.7	9.14	15.5	8.8	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS7	13:50:19	2.4	Bottom	3	2	17.62	8.42	32.74	116.1	9.1	15.8	8.5	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS8	14:11:39	1.0	Surface	1	1	17.51	8.39	32.49	111.3	8.76	5	5.4	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS8	14:11:49	1.0	Surface	1	2	17.59	8.39	32.48	111.7	8.77	4.7	5.2	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb		IS8			Middle	2	1								
HKLR	HY/2011/03	2013-01-14	Mid-Ebb		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS8	14:11:35	2.6	Bottom	3	1	17.59	8.39	32.39	111.1	8.73	4.9	5.5	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS8	14:11:44	2.6	Bottom	3	2	17.64	8.39	32.4	111.3	8.74	4.9	5.4	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS(Mf)9	13:57:38	1.0	Surface	1	1	17.61	8.44	32.63	118.5	9.3	4.1	5.1	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS(Mf)9	13:57:27	1.0	Surface	1	2	17.58	8.44	32.64	118.3	9.28	4.1	4.6	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb		IS(Mf)9			Middle	2	1								
HKLR	HY/2011/03	2013-01-14	Mid-Ebb		IS(Mf)9			Middle	2	2								
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS(Mf)9	13:57:22	2.4	Bottom	3	1	17.65	8.43	32.58	117.7	9.23	4.2	4.5	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS(Mf)9	13:57:32	2.4	Bottom	3	2	17.66	8.43	32.57	117.7	9.23	4.2	4.5	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS10	15:10:03	1.0	Surface	1	1	17.56	8.29	33.4	105.5	8.25	2	7.7	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS10	15:09:29	1.0	Surface	1	2	17.56	8.29	33.4	105.6	8.26	2	9.1	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS10	15:09:52	5.2	Middle	2	1	17.44	8.28	33.4	104.7	8.2	2.2	7.8	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS10	15:09:19	5.2	Middle	2	2	17.48	8.28	33.41	104.9	8.21	2.3	9.2	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS10	15:09:08	9.3	Bottom	3	1	17.44	8.28	33.39	105.1	8.23	2.5	8.1	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	IS10	15:09:41	9.3	Bottom	3	2	17.46	8.28	33.39	105	8.22	2.4	6.8	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2013-01-14	Mid-Ebb		SR3			Surface	1	1								
HKLR	HY/2011/03	2013-01-14	Mid-Ebb		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	SR3	13:31:04	0.7	Middle	2	1	17.57	8.41	32.71	113.8	8.93	4.5	7.8	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	SR3	13:31:01	0.7	Middle	2	2	17.57	8.41	32.72	113.6	8.92	4.5	9.2	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb		SR3			Bottom	3	1								
HKLR	HY/2011/03	2013-01-14	Mid-Ebb		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	SR4	14:06:53	1.0	Surface	1	1	17.78	8.39	32.43	109.9	8.6	4.9	6.6	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	SR4	14:06:44	1.0	Surface	1	2	17.77	8.39	32.43	109.6	8.58	4.8	6.9	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb		SR4			Middle	2	1								
HKLR	HY/2011/03	2013-01-14	Mid-Ebb		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	SR4	14:06:39	2.4	Bottom	3	1	17.77	8.38	32.42	109.4	8.57	4.9	6.8	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	SR4	14:06:49	2.4	Bottom	3	2	17.79	8.39	32.42	109.7	8.59	4.8	7.7	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	SR5	15:00:53	1.0	Surface	1	1	17.6	8.27	33.39	104.5	8.16	2.3	8.8	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	SR5	15:00:25	1.0	Surface	1	2	17.58	8.27	33.4	104.2	8.14	2.3	8.3	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb		SR5			Middle	2	1								
HKLR	HY/2011/03	2013-01-14	Mid-Ebb		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	SR5	15:00:36	3.5	Bottom	3	1	17.53	8.27	33.39	103.9	8.12	2.5	7.8	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	SR5	15:00:10	3.5	Bottom	3	2	17.53	8.27	33.4	103.8	8.12	2.4	9.4	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	SR10A	15:12:34	1.0	Surface	1	1	17.86	8.31	32.86	94.5	7.36	3.7	4.2	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	SR10A	15:12:04	1.0	Surface	1	2	17.88	8.31	32.86	94.5	7.36	3.8	4.8	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	SR10A	15:12:20	3.3	Middle	2	1	17.85	8.31	32.86	94.3	7.35	5.1	5.1	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	SR10A	15:11:58	3.3	Middle	2	2	17.86	8.31	32.87	94.4	7.36	4.9	4.4	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	SR10A	15:11:51	5.6	Bottom	3	1	17.86	8.31	32.86	94.4	7.36	5.9	5	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	SR10A	15:12:13	5.6	Bottom	3	2	17.86	8.31	32.86	94.3	7.35	6.1	4.5	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	SR10B	15:16:27	1.0	Surface	1	1	17.8	8.32	32.88	95.7	7.47	5.1	5.4	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	SR10B	15:16:46	1.0	Surface	1	2	17.8	8.32	32.88	95.7	7.47	5.1	6.7	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb		SR10B			Middle	2	1								
HKLR	HY/2011/03	2013-01-14	Mid-Ebb		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	SR10B	15:16:19	4.6	Bottom	3	1	17.8	8.32	32.88	95.5	7.45	5.3	6.9	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	SR10B	15:16:36	4.6	Bottom	3	2	17.8	8.32	32.88	95.5	7.45	5.2	6.7	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	CS2	13:33:02	1.0	Surface	1	1	17.41	8.29	33.24	100.8	7.91	5.6	13.4	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	CS2	13:33:41	1.0	Surface	1	2	17.47	8.28	33.23	100.8	7.9	5.8	13.5	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	CS2	13:33:30	4.1	Middle	2	1	17.31	8.28	33.26	100.1	7.87	6.5	13.8	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	CS2	13:32:50	4.1	Middle	2	2	17.31	8.28	33.25	100.2	7.88	6.2	13.9	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	CS2	13:33:20	7.2	Bottom	3	1	17.29	8.28	33.26	100	7.86	6.7	13.1	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	CS2	13:32:30	7.2	Bottom	3	2	17.28	8.29	33.25	100.4	7.9	7	15.4	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	CS(Mf)5	14:46:07	1.0	Surface	1	1	17.96	8.36	32.84	100.5	7.82	3	3.9	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	CS(Mf)5	14:46:56	1.0	Surface	1	2	17.97	8.37	32.84	100.9	7.85	3.2	4.3	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	CS(Mf)5	14:46:50	6.6	Middle	2	1	17.95	8.36	32.84	100.1	7.79	3.2	3.9	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	CS(Mf)5	14:46:02	6.6	Middle	2	2	17.94	8.36	32.84	99.7	7.76	3.1	3.8	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	CS(Mf)5	14:46:31	12.2	Bottom	3	1	17.77	8.34	32.87	98.4	7.69	3.2	5.5	
HKLR	HY/2011/03	2013-01-14	Mid-Ebb	Sunny	CS(Mf)5	14:45:50	12.2	Bottom	3	2	17.81	8.34	32.88	99	7.73	3.2	4.5	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS5	09:44:24	1.0	Surface	1	1	17.18	8.41	32.75	107.4	8.49	5.9	5.4	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS5	09:44:55	1.0	Surface	1	2	17.18	8.42	32.75	107.5	8.49	5.7	5.9	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS5	09:44:18	4.7	Middle	2	1	17.18	8.41	32.76	107.1	8.46	6	5.6	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS5	09:44:47	4.7	Middle	2	2	17.18	8.42	32.76	107.2	8.48	5.9	6.1	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS5	09:44:11	8.3	Bottom	3	1	17.18	8.41	32.75	107	8.46	6	6.7	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS5	09:44:38	8.3	Bottom	3	2	17.17	8.41	32.75	107.1	8.46	6.1	6.2	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS(Mf)6	09:36:51	1.0	Surface	1	1	17.23	8.39	32.73	106.7	8.43	12.4	4.9	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS(Mf)6	09:36:42	1.0	Surface	1	2	17.23	8.4	32.73	106.7	8.43	12.3	5.5	
HKLR	HY/2011/03	2013-01-14	Mid-Flood		IS(Mf)6			Middle	2	1								
HKLR	HY/2011/03	2013-01-14	Mid-Flood		IS(Mf)6			Middle	2	2								
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS(Mf)6	09:36:36	2.5	Bottom	3	1	17.25	8.4	32.72	106.8	8.43	12.9	6.5	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS(Mf)6	09:36:47	2.5	Bottom	3	2	17.24	8.4	32.72	106.8	8.43	12.6	6.8	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS7	09:30:39	1.0	Surface	1	1	17.25	8.41	32.81	109.6	8.65	4.9	5.6	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS7	09:30:27	1.0	Surface	1	2	17.24	8.41	32.81	109.4	8.63	4.7	4.8	
HKLR	HY/2011/03	2013-01-14	Mid-Flood		IS7			Middle	2	1								
HKLR	HY/2011/03	2013-01-14	Mid-Flood		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS7	09:30:33	2.4	Bottom	3	1	17.26	8.41	32.8	109.6	8.65	5.2	4.4	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS7	09:30:22	2.4	Bottom	3	2	17.25	8.41	32.8	109.3	8.62	5.1	5.1	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS8	09:10:37	1.0	Surface	1	1	17.26	8.39	32.55	105.6	8.34	6	5.6	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS8	09:10:23	1.0	Surface	1	2	17.25	8.39	32.56	105.5	8.34	6.1	6.6	
HKLR	HY/2011/03	2013-01-14	Mid-Flood		IS8			Middle	2	1								
HKLR	HY/2011/03	2013-01-14	Mid-Flood		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS8	09:10:30	2.7	Bottom	3	1	17.25	8.39	32.55	105.5	8.33	6	6.5	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS8	09:10:17	2.7	Bottom	3	2	17.26	8.38	32.55	105.4	8.33	6.2	5.7	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS(Mf)9	09:24:03	1.0	Surface	1	1	17.24	8.37	32.5	104.4	8.26	6.8	5.5	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS(Mf)9	09:24:15	1.0	Surface	1	2	17.25	8.38	32.5	104.7	8.28	6.6	6.8	
HKLR	HY/2011/03	2013-01-14	Mid-Flood		IS(Mf)9			Middle	2	1								
HKLR	HY/2011/03	2013-01-14	Mid-Flood		IS(Mf)9			Middle	2	2								
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS(Mf)9	09:23:57	2.4	Bottom	3	1	17.24	8.37	32.5	104.2	8.24	7	7	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS(Mf)9	09:24:10	2.4	Bottom	3	2	17.25	8.38	32.5	104.6	8.27	6.9	6.2	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS10	09:35:46	1.0	Surface	1	1	17.24	8.23	33.42	102.3	8.05	5.9	12.6	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS10	09:36:50	1.0	Surface	1	2	17.25	8.24	33.43	102.1	8.03	5.8	13.5	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS10	09:35:30	5.7	Middle	2	1	17.19	8.25	33.57	102.5	8.06	7.5	12.9	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS10	09:36:32	5.7	Middle	2	2	17.2	8.25	33.55	102	8.02	7.2	10.6	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS10	09:35:13	10.3	Bottom	3	1	17.16	8.25	33.64	101.8	8.01	7.4	11.2	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	IS10	09:36:18	10.3	Bottom	3	2	17.18	8.25	33.6	101.5	7.98	7.5	10.9	
HKLR	HY/2011/03	2013-01-14	Mid-Flood		SR3			Surface	1	1								
HKLR	HY/2011/03	2013-01-14	Mid-Flood		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	SR3	09:56:17	0.9	Middle	2	1	17.31	8.4	32.75	109.1	8.6	4.6	6.2	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	SR3	09:56:21	0.9	Middle	2	2	17.31	8.41	32.75	109.4	8.62	4.8	6.1	
HKLR	HY/2011/03	2013-01-14	Mid-Flood		SR3			Bottom	3	1								
HKLR	HY/2011/03	2013-01-14	Mid-Flood		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	SR4	09:14:58	1.0	Surface	1	1	17.2	8.36	32.38	101.5	8.04	7.3	8.2	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	SR4	09:14:45	1.0	Surface	1	2	17.2	8.36	32.38	101.5	8.03	7.1	7.9	
HKLR	HY/2011/03	2013-01-14	Mid-Flood		SR4			Middle	2	1								
HKLR	HY/2011/03	2013-01-14	Mid-Flood		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	SR4	09:14:39	2.5	Bottom	3	1	17.21	8.36	32.38	101.5	8.03	7.1	6.9	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	SR4	09:14:51	2.5	Bottom	3	2	17.2	8.36	32.38	101.4	8.03	7.2	8.2	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	SR5	09:44:15	1.0	Surface	1	1	17.19	8.23	33.48	100.9	7.94	5.4	16.6	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	SR5	09:44:47	1.0	Surface	1	2	17.19	8.24	33.47	100.8	7.93	5.4	16.1	
HKLR	HY/2011/03	2013-01-14	Mid-Flood		SR5			Middle	2	1								
HKLR	HY/2011/03	2013-01-14	Mid-Flood		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	SR5	09:43:58	3.8	Bottom	3	1	17.19	8.23	33.47	100.7	7.92	5.7	15.7	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	SR5	09:44:30	3.8	Bottom	3	2	17.18	8.23	33.47	100.6	7.92	5.8	15.7	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	SR10A	08:13:48	1.0	Surface	1	1	17.64	8.35	32.85	96.9	7.58	7.9	11	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	SR10A	08:13:21	1.0	Surface	1	2	17.64	8.35	32.85	96.7	7.57	8.1	9.7	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	SR10A	08:13:41	3.3	Middle	2	1	17.64	8.35	32.85	96.6	7.57	8.4	11	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	SR10A	08:13:14	3.3	Middle	2	2	17.65	8.35	32.86	96.6	7.56	8.5	10.9	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	SR10A	08:13:06	5.5	Bottom	3	1	17.65	8.35	32.85	96.5	7.56	8.6	10.9	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	SR10A	08:13:30	5.5	Bottom	3	2	17.65	8.35	32.86	96.6	7.56	8.4	11.5	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	SR10B	08:07:49	1.0	Surface	1	1	17.69	8.34	32.91	96	7.5	9.1	11.9	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	SR10B	08:07:28	1.0	Surface	1	2	17.69	8.33	32.91	96	7.5	8.9	12.2	
HKLR	HY/2011/03	2013-01-14	Mid-Flood		SR10B			Middle	2	1								
HKLR	HY/2011/03	2013-01-14	Mid-Flood		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	SR10B	08:07:17	4.5	Bottom	3	1	17.69	8.33	32.92	96	7.5	9.1	11.6	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	SR10B	08:07:38	4.5	Bottom	3	2	17.7	8.33	32.92	95.8	7.49	9.1	12.5	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	CS2	11:21:20	1.0	Surface	1	1	17.49	8.21	33.41	99.4	7.78	10.6	29.9	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	CS2	11:19:57	1.0	Surface	1	2	17.44	8.2	33.42	99.2	7.77	10.9	28.7	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	CS2	11:20:59	4.1	Middle	2	1	17.44	8.21	33.42	98.8	7.74	10.5	28.2	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	CS2	11:19:37	4.1	Middle	2	2	17.42	8.2	33.43	99	7.76	10.4	28.7	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	CS2	11:20:22	7.2	Bottom	3	1	17.42	8.2	33.43	98.5	7.72	10.3	29.6	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	CS2	11:19:21	7.2	Bottom	3	2	17.42	8.2	33.44	99	7.76	10.7	28.9	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	CS(Mf)5	08:42:11	1.0	Surface	1	1	17.67	8.37	32.77	98.4	7.7	8.6	8	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	CS(Mf)5	08:41:37	1.0	Surface	1	2	17.67	8.37	32.78	98.2	7.69	8.7	7.9	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	CS(Mf)5	08:42:00	6.7	Middle	2	1	17.68	8.37	32.77	97.9	7.66	8.7	6.9	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	CS(Mf)5	08:41:28	6.7	Middle	2	2	17.68	8.37	32.78	98	7.67	8.6	6.8	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	CS(Mf)5	08:41:51	12.4	Bottom	3	1	17.68	8.37	32.79	97.9	7.67	9.1	8.7	
HKLR	HY/2011/03	2013-01-14	Mid-Flood	Sunny	CS(Mf)5	08:41:16	12.4	Bottom	3	2	17.69	8.37	32.79	98	7.67	9.3	9	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS5	15:12:14	1.0	Surface	1	1	17.57	8.39	32.53	112.5	8.84	5.5	5.2	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS5	15:12:41	1.0	Surface	1	2	17.57	8.39	32.53	112.7	8.86	5.3	5.9	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS5	15:12:35	4.6	Middle	2	1	17.56	8.39	32.53	112.4	8.83	5.4	9	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS5	15:12:07	4.6	Middle	2	2	17.55	8.39	32.53	112.2	8.82	5.5	8	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS5	15:12:26	8.2	Bottom	3	1	17.55	8.39	32.52	112.4	8.83	5.4	7.4	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS5	15:12:00	8.2	Bottom	3	2	17.55	8.39	32.52	112.1	8.81	5.5	5.6	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS(Mf)6	15:18:56	1.0	Surface	1	1	17.51	8.4	32.56	114.6	9.01	6.2	6.4	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS(Mf)6	15:18:43	1.0	Surface	1	2	17.53	8.4	32.56	114.4	9	6.2	4.7	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb		IS(Mf)6			Middle	2	1								
HKLR	HY/2011/03	2013-01-16	Mid-Ebb		IS(Mf)6			Middle	2	2								
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS(Mf)6	15:18:50	2.4	Bottom	3	1	17.52	8.4	32.53	114.5	9	6.2	6.7	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS(Mf)6	15:18:38	2.4	Bottom	3	2	17.55	8.4	32.54	114.3	8.98	6.4	7.9	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS7	15:26:28	1.0	Surface	1	1	17.54	8.45	32.58	124.1	9.75	5.9	8.3	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS7	15:26:39	1.0	Surface	1	2	17.47	8.45	32.55	124.9	9.83	5.7	6.4	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb		IS7			Middle	2	1								
HKLR	HY/2011/03	2013-01-16	Mid-Ebb		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS7	15:26:35	2.5	Bottom	3	1	17.52	8.45	32.53	124.4	9.78	5.8	5.6	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS7	15:26:23	2.5	Bottom	3	2	17.67	8.44	32.5	123.6	9.7	5.9	6.5	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS8	15:47:42	1.0	Surface	1	1	17.57	8.4	32.53	114.9	9.02	5.9	3.7	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS8	15:47:57	1.0	Surface	1	2	17.53	8.41	32.54	115.4	9.07	6	3.9	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb		IS8			Middle	2	1								
HKLR	HY/2011/03	2013-01-16	Mid-Ebb		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS8	15:47:37	2.7	Bottom	3	1	17.7	8.4	32.46	114.6	8.98	6.1	3.6	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS8	15:47:51	2.7	Bottom	3	2	17.55	8.4	32.5	114.9	9.03	6.3	3.9	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS(Mf)9	15:33:04	1.0	Surface	1	1	17.54	8.43	32.58	121.2	9.53	4.5	3	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS(Mf)9	15:32:52	1.0	Surface	1	2	17.58	8.43	32.59	121	9.5	4.6	2.7	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb		IS(Mf)9			Middle	2	1								
HKLR	HY/2011/03	2013-01-16	Mid-Ebb		IS(Mf)9			Middle	2	2								
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS(Mf)9	15:32:45	2.4	Bottom	3	1	17.7	8.42	32.48	120.7	9.46	5.1	3.5	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS(Mf)9	15:32:58	2.4	Bottom	3	2	17.63	8.43	32.48	120.9	9.49	5.3	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	2013-01-16	Mid-Ebb	Sunny	IS10	16:37:29	1.0	Surface	1	1	17.82	8.27	33.21	105.6	8.22	2.4	8.2	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS10	16:36:41	1.0	Surface	1	2	17.78	8.27	33.23	105.1	8.19	2.3	6.8	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS10	16:37:14	5.5	Middle	2	1	17.36	8.25	33.22	103.3	8.11	2.9	5.5	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS10	16:36:29	5.5	Middle	2	2	17.36	8.25	33.22	103.5	8.13	2.9	5.6	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS10	16:36:58	10.0	Bottom	3	1	17.39	8.26	33.21	103.9	8.16	3	5.4	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	IS10	16:36:17	10.0	Bottom	3	2	17.37	8.26	33.22	103.8	8.16	2.8	7	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb		SR3			Surface	1	1								
HKLR	HY/2011/03	2013-01-16	Mid-Ebb		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	SR3	15:01:46	0.8	Middle	2	1	17.86	8.37	32.56	112.1	8.76	5	5.9	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	SR3	15:01:42	0.8	Middle	2	2	17.85	8.37	32.56	112.1	8.76	5.2	4.4	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb		SR3			Bottom	3	1								
HKLR	HY/2011/03	2013-01-16	Mid-Ebb		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	SR4	15:42:41	1.0	Surface	1	1	18.03	8.39	32.61	114	8.88	3.8	3.4	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	SR4	15:42:29	1.0	Surface	1	2	17.97	8.39	32.62	113.6	8.85	3.8	3.4	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb		SR4			Middle	2	1								
HKLR	HY/2011/03	2013-01-16	Mid-Ebb		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	SR4	15:42:35	2.4	Bottom	3	1	18.08	8.39	32.48	113.5	8.83	3.8	3.3	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	SR4	15:42:24	2.4	Bottom	3	2	18.08	8.39	32.48	113.1	8.8	3.8	3.6	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	SR5	16:29:20	1.0	Surface	1	1	17.6	8.24	33.16	102.8	8.04	2.3	6	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	SR5	16:29:45	1.0	Surface	1	2	17.63	8.24	33.16	103	8.06	2.4	5.8	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb		SR5			Middle	2	1								
HKLR	HY/2011/03	2013-01-16	Mid-Ebb		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	SR5	16:29:06	3.7	Bottom	3	1	17.47	8.24	33.16	102.3	8.02	2.5	5.9	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	SR5	16:29:33	3.7	Bottom	3	2	17.46	8.24	33.16	102.4	8.03	2.7	6.4	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	SR10A	16:45:24	1.0	Surface	1	1	17.68	8.3	32.8	95.9	7.51	4.2	4.6	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	SR10A	16:44:56	1.0	Surface	1	2	17.68	8.3	32.8	95.9	7.5	4.2	6	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	SR10A	16:44:47	3.3	Middle	2	1	17.69	8.3	32.8	95.7	7.49	4	4	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	SR10A	16:45:16	3.3	Middle	2	2	17.68	8.3	32.8	95.7	7.49	4.5	3.4	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	SR10A	16:45:10	5.5	Bottom	3	1	17.68	8.3	32.8	95.6	7.48	4.6	4.7	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	SR10A	16:44:37	5.5	Bottom	3	2	17.69	8.3	32.8	95.7	7.48	4.4	4.6	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	SR10B	16:48:58	1.0	Surface	1	1	17.75	8.3	32.8	96.6	7.55	4.2	6	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	SR10B	16:49:13	1.0	Surface	1	2	17.75	8.31	32.8	96.6	7.55	4.1	7.9	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb		SR10B			Middle	2	1								
HKLR	HY/2011/03	2013-01-16	Mid-Ebb		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	SR10B	16:48:50	4.6	Bottom	3	1	17.75	8.3	32.81	96.5	7.54	4.3	4.6	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	SR10B	16:49:04	4.6	Bottom	3	2	17.75	8.31	32.81	96.5	7.54	4.2	5.6	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	CS2	15:01:48	1.0	Surface	1	1	17.37	8.29	33.23	99.6	7.82	3.4	6.7	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	CS2	15:02:21	1.0	Surface	1	2	17.37	8.28	33.22	100.2	7.87	3.3	6.4	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	CS2	15:02:08	4.0	Middle	2	1	17.31	8.28	33.24	99.5	7.82	3.2	6.2	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	CS2	15:01:36	4.0	Middle	2	2	17.28	8.29	33.26	98.3	7.73	3.4	7.3	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	CS2	15:01:16	7.0	Bottom	3	1	17.29	8.3	33.24	96.9	7.62	3.7	6.7	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	CS2	15:01:58	7.0	Bottom	3	2	17.32	8.29	33.23	99.4	7.82	3.6	6.9	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	CS(Mf)5	16:18:04	1.0	Surface	1	1	18.14	8.35	32.67	103.8	8.06	3.2	8	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	CS(Mf)5	16:18:45	1.0	Surface	1	2	18.13	8.35	32.67	104.4	8.1	3.5	9.6	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	CS(Mf)5	16:17:57	6.7	Middle	2	1	18.1	8.34	32.71	102.8	7.99	3.5	4.9	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	CS(Mf)5	16:18:37	6.7	Middle	2	2	18.08	8.35	32.7	103.5	8.05	3.8	6.4	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	CS(Mf)5	16:17:45	12.4	Bottom	3	1	17.9	8.33	32.76	102.5	7.99	4.2	3.4	
HKLR	HY/2011/03	2013-01-16	Mid-Ebb	Sunny	CS(Mf)5	16:18:28	12.4	Bottom	3	2	18.01	8.34	32.75	103.1	8.02	4.1	2.4	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS5	10:58:25	1.0	Surface	1	1	17.26	8.37	32.52	106.2	8.4	5	5	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS5	10:58:51	1.0	Surface	1	2	17.26	8.37	32.53	106.3	8.4	5.1	4.9	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS5	10:58:20	4.5	Middle	2	1	17.24	8.37	32.52	106	8.38	5.1	4.6	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS5	10:58:45	4.5	Middle	2	2	17.22	8.37	32.52	106.1	8.39	5.2	5	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS5	10:58:38	8.0	Bottom	3	1	17.22	8.37	32.52	106	8.38	5.5	5.5	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS5	10:58:11	8.0	Bottom	3	2	17.25	8.37	32.51	105.9	8.37	5.3	5.7	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS(Mf)6	10:51:11	1.0	Surface	1	1	17.43	8.39	32.54	111.8	8.8	7.9	5.5	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS(Mf)6	10:51:01	1.0	Surface	1	2	17.45	8.39	32.53	111.4	8.77	8.1	5.1	
HKLR	HY/2011/03	2013-01-16	Mid-Flood		IS(Mf)6			Middle	2	1								
HKLR	HY/2011/03	2013-01-16	Mid-Flood		IS(Mf)6			Middle	2	2								
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS(Mf)6	10:50:55	2.4	Bottom	3	1	17.46	8.39	32.53	111.3	8.76	8.2	4.9	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS(Mf)6	10:51:07	2.4	Bottom	3	2	17.45	8.39	32.52	111.5	8.78	8.1	4.6	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS7	10:44:06	1.0	Surface	1	1	17.3	8.41	32.55	117.2	9.25	3.9	4.1	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS7	10:43:57	1.0	Surface	1	2	17.3	8.41	32.56	116.9	9.23	4	3.5	
HKLR	HY/2011/03	2013-01-16	Mid-Flood		IS7			Middle	2	1								
HKLR	HY/2011/03	2013-01-16	Mid-Flood		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS7	10:43:53	2.4	Bottom	3	1	17.31	8.41	32.55	116.7	9.21	4.1	3.3	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS7	10:44:02	2.4	Bottom	3	2	17.33	8.41	32.54	117.1	9.24	4	4.7	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS8	10:23:35	1.0	Surface	1	1	17.4	8.34	32.48	104.2	8.22	5.8	12.7	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS8	10:23:22	1.0	Surface	1	2	17.43	8.33	32.49	104.2	8.21	6	11.2	
HKLR	HY/2011/03	2013-01-16	Mid-Flood		IS8			Middle	2	1								
HKLR	HY/2011/03	2013-01-16	Mid-Flood		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS8	10:23:17	2.6	Bottom	3	1	17.48	8.33	32.45	104	8.19	6.1	9.5	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS8	10:23:29	2.6	Bottom	3	2	17.44	8.34	32.45	104.1	8.2	5.9	7.7	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS(Mf)9	10:37:45	1.0	Surface	1	1	17.35	8.35	32.5	106.1	8.37	5.4	5.9	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS(Mf)9	10:37:56	1.0	Surface	1	2	17.36	8.35	32.49	106.2	8.38	5.2	5	
HKLR	HY/2011/03	2013-01-16	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	2013-01-16	Mid-Flood		IS(Mf)9			Middle	2	2								
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS(Mf)9	10:37:40	2.4	Bottom	3	1	17.35	8.35	32.49	105.9	8.36	5.5	5.9	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS(Mf)9	10:37:50	2.4	Bottom	3	2	17.37	8.35	32.48	106.1	8.37	5.2	6.7	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS10	10:24:58	1.0	Surface	1	1	17.34	8.22	33.1	101.1	7.95	3.5	10	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS10	10:25:40	1.0	Surface	1	2	17.35	8.22	33.1	100.9	7.93	3.4	10.2	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS10	10:24:36	5.5	Middle	2	1	17.32	8.22	33.11	100.4	7.9	3.2	9.9	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS10	10:25:26	5.5	Middle	2	2	17.32	8.22	33.11	100.4	7.9	3.4	9.2	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS10	10:24:22	9.9	Bottom	3	1	17.32	8.22	33.11	100.4	7.89	3.4	10.8	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	IS10	10:25:12	9.9	Bottom	3	2	17.32	8.22	33.12	100.4	7.9	3.7	9.3	
HKLR	HY/2011/03	2013-01-16	Mid-Flood		SR3			Surface	1	1								
HKLR	HY/2011/03	2013-01-16	Mid-Flood		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	SR3	11:06:29	0.8	Middle	2	1	17.29	8.34	32.53	106.3	8.4	7.4	5.7	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	SR3	11:06:32	0.8	Middle	2	2	17.29	8.35	32.53	106.7	8.42	7.2	6.5	
HKLR	HY/2011/03	2013-01-16	Mid-Flood		SR3			Bottom	3	1								
HKLR	HY/2011/03	2013-01-16	Mid-Flood		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	SR4	10:28:11	1.0	Surface	1	1	17.39	8.37	32.5	108.1	8.52	5.4	5.2	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	SR4	10:28:00	1.0	Surface	1	2	17.37	8.37	32.51	107.9	8.51	5.4	5.9	
HKLR	HY/2011/03	2013-01-16	Mid-Flood		SR4			Middle	2	1								
HKLR	HY/2011/03	2013-01-16	Mid-Flood		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	SR4	10:27:55	2.4	Bottom	3	1	17.38	8.36	32.5	107.7	8.5	5.4	11	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	SR4	10:28:06	2.4	Bottom	3	2	17.4	8.37	32.5	108	8.51	5.4	12.4	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	SR5	10:33:14	1.0	Surface	1	1	17.29	8.25	33.23	106	8.33	4.4	19.3	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	SR5	10:33:46	1.0	Surface	1	2	17.31	8.25	33.22	106	8.34	4.4	19.6	
HKLR	HY/2011/03	2013-01-16	Mid-Flood		SR5			Middle	2	1								
HKLR	HY/2011/03	2013-01-16	Mid-Flood		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	SR5	10:32:59	3.7	Bottom	3	1	17.29	8.25	33.22	105.6	8.3	5.1	13.7	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	SR5	10:33:25	3.7	Bottom	3	2	17.26	8.24	33.23	105.5	8.3	5.1	14.9	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	SR10A	09:27:11	1.0	Surface	1	1	17.61	8.31	32.75	95.9	7.52	7.3	20.5	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	SR10A	09:26:47	1.0	Surface	1	2	17.61	8.31	32.76	96	7.52	7.4	21.1	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	SR10A	09:27:06	3.3	Middle	2	1	17.61	8.31	32.75	95.7	7.5	7.1	16.2	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	SR10A	09:26:39	3.3	Middle	2	2	17.61	8.31	32.75	95.8	7.51	7.5	14.4	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	SR10A	09:26:31	5.5	Bottom	3	1	17.61	8.31	32.75	95.8	7.51	7.8	10.8	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	SR10A	09:26:57	5.5	Bottom	3	2	17.61	8.31	32.75	95.7	7.5	8	11.9	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	SR10B	09:21:33	1.0	Surface	1	1	17.63	8.3	32.81	95.6	7.49	7.4	11	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	SR10B	09:21:20	1.0	Surface	1	2	17.63	8.3	32.82	95.7	7.49	7.2	10.1	
HKLR	HY/2011/03	2013-01-16	Mid-Flood		SR10B			Middle	2	1								
HKLR	HY/2011/03	2013-01-16	Mid-Flood		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	SR10B	09:21:11	4.5	Bottom	3	1	17.64	8.3	32.82	95.6	7.49	7.5	7.6	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	SR10B	09:21:26	4.5	Bottom	3	2	17.63	8.3	32.81	95.7	7.49	7.9	9.1	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	CS2	12:16:00	1.0	Surface	1	1	17.51	8.19	32.98	99.5	7.8	5.9	14	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	CS2	12:16:40	1.0	Surface	1	2	17.52	8.19	32.98	99.4	7.79	5.8	12.9	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	CS2	12:16:27	4.1	Middle	2	1	17.39	8.19	32.99	98.9	7.77	6.3	16	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	CS2	12:15:43	4.1	Middle	2	2	17.36	8.19	32.99	98.6	7.76	6.1	16	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	CS2	12:15:28	7.2	Bottom	3	1	17.36	8.18	32.98	98.9	7.78	6.8	12.5	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	CS2	12:16:14	7.2	Bottom	3	2	17.38	8.19	32.98	98.7	7.76	7	10.6	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	CS(Mf)5	09:56:03	1.0	Surface	1	1	17.46	8.33	32.54	99.6	7.84	7.2	10.7	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	CS(Mf)5	09:55:32	1.0	Surface	1	2	17.43	8.32	32.54	99.3	7.82	7.5	10.7	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	CS(Mf)5	09:55:55	6.7	Middle	2	1	17.42	8.32	32.54	99.1	7.81	7.9	8.5	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	CS(Mf)5	09:55:23	6.7	Middle	2	2	17.42	8.32	32.53	99.1	7.81	8	9.1	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	CS(Mf)5	09:55:47	12.4	Bottom	3	1	17.42	8.32	32.53	99	7.8	8.2	9	
HKLR	HY/2011/03	2013-01-16	Mid-Flood	Sunny	CS(Mf)5	09:55:14	12.4	Bottom	3	2	17.42	8.32	32.53	99.1	7.81	8.5	8.8	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS5	17:02:29	1.0	Surface	1	1	17.51	8.39	31.96	104.5	8.25	6.6	7.9	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS5	17:03:05	1.0	Surface	1	2	17.53	8.39	31.96	104.8	8.26	6.8	7.1	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS5	17:02:55	4.4	Middle	2	1	17.54	8.39	31.96	104.4	8.24	7.1	5.6	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS5	17:02:18	4.4	Middle	2	2	17.52	8.39	31.96	104.2	8.22	7.1	6.3	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS5	17:02:42	7.8	Bottom	3	1	17.53	8.39	31.96	104.1	8.21	7.3	6	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS5	17:02:08	7.8	Bottom	3	2	17.53	8.39	31.96	104.3	8.23	7.1	6.4	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS(Mf)6	17:10:20	1.0	Surface	1	1	17.57	8.41	32.06	109.1	8.59	10.3	8.6	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS(Mf)6	17:09:55	1.0	Surface	1	2	17.57	8.41	32.06	108.8	8.57	10.5	6.7	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb		IS(Mf)6			Middle	2	1								
HKLR	HY/2011/03	2013-01-18	Mid-Ebb		IS(Mf)6			Middle	2	2								
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS(Mf)6	17:09:39	2.0	Bottom	3	1	17.57	8.41	32.07	108.7	8.56	10.6	7.3	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS(Mf)6	17:10:07	2.0	Bottom	3	2	17.57	8.41	32.07	108.9	8.58	10.8	9.1	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS7	17:18:19	1.0	Surface	1	1	17.67	8.5	32.21	128.9	10.13	3.3	3.6	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS7	17:18:44	1.0	Surface	1	2	17.67	8.5	32.21	129.4	10.16	3.3	4.4	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb		IS7			Middle	2	1								
HKLR	HY/2011/03	2013-01-18	Mid-Ebb		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS7	17:18:32	2.4	Bottom	3	1	17.67	8.5	32.22	129.1	10.14	3.4	3.5	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS7	17:18:05	2.4	Bottom	3	2	17.66	8.5	32.22	128	10.06	3.4	3.5	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS8	17:43:28	1.0	Surface	1	1	17.6	8.42	32.25	115.3	9.07	3	3.1	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS8	17:44:26	1.0	Surface	1	2	17.61	8.41	32.26	114.6	9.01	3	3	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb		IS8			Middle	2	1								
HKLR	HY/2011/03	2013-01-18	Mid-Ebb		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS8	17:43:16	2.8	Bottom	3	1	17.61	8.41	32.25	115.2	9.05	3	4	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS8	17:44:14	2.8	Bottom	3	2	17.63	8.41	32.27	114.5	9	3.1	3.8	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS(Mf)9	17:25:15	1.0	Surface	1	1	17.6	8.47	32.22	126.2	9.93	3.1	4.5	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS(Mf)9	17:25:39	1.0	Surface	1	2	17.6	8.47	32.22	126.2	9.93	3.1	4.5	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb		IS(Mf)9			Middle	2	1								
HKLR	HY/2011/03	2013-01-18	Mid-Ebb		IS(Mf)9			Middle	2	2								
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS(Mf)9	17:25:25	2.5	Bottom	3	1	17.6	8.47	32.22	126	9.91	3.1	4.5	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS(Mf)9	17:25:03	2.5	Bottom	3	2	17.6	8.48	32.22	125.9	9.91	3	4.7	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS10	18:19:38	1.0	Surface	1	1	17.57	8.27	32.81	107.2	8.41	3	6.1	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS10	18:20:38	1.0	Surface	1	2	17.55	8.27	32.85	106.1	8.32	2.9	5.2	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS10	18:20:30	5.6	Middle	2	1	17.51	8.26	32.97	105.4	8.27	3.1	5.9	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS10	18:19:29	5.6	Middle	2	2	17.55	8.27	32.86	105.7	8.29	3.3	6	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS10	18:19:14	10.2	Bottom	3	1	17.55	8.25	33.07	105.2	8.24	4.2	6.3	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	IS10	18:20:05	10.2	Bottom	3	2	17.54	8.25	33.07	105.3	8.25	4.4	6.2	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb		SR3			Surface	1	1								
HKLR	HY/2011/03	2013-01-18	Mid-Ebb		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	SR3	16:55:35	0.8	Middle	2	1	17.59	8.43	32.01	108.7	8.56	5.2	4	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	SR3	16:55:25	0.8	Middle	2	2	17.6	8.44	32.03	108.6	8.55	5.1	5.4	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb		SR3			Bottom	3	1								
HKLR	HY/2011/03	2013-01-18	Mid-Ebb		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	SR4	17:36:10	1.0	Surface	1	1	17.6	8.43	32.24	117.3	9.23	2.6	3.1	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	SR4	17:35:45	1.0	Surface	1	2	17.6	8.43	32.24	117	9.2	2.8	2.4	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb		SR4			Middle	2	1								
HKLR	HY/2011/03	2013-01-18	Mid-Ebb		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	SR4	17:35:30	2.7	Bottom	3	1	17.59	8.42	32.25	116.3	9.15	3.1	2.7	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	SR4	17:35:54	2.7	Bottom	3	2	17.6	8.42	32.25	117	9.2	2.9	2.5	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	SR5	18:06:28	1.0	Surface	1	1	17.55	8.26	32.85	106.8	8.38	3	6	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	SR5	18:07:02	1.0	Surface	1	2	17.54	8.26	32.86	107.1	8.41	2.8	5.9	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb		SR5			Middle	2	1								
HKLR	HY/2011/03	2013-01-18	Mid-Ebb		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	SR5	18:06:20	4.5	Bottom	3	1	17.53	8.24	32.97	106.3	8.33	3.1	6.1	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	SR5	18:06:55	4.5	Bottom	3	2	17.52	8.26	32.92	106.5	8.36	2.9	5.1	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	SR10A	19:12:19	1.0	Surface	1	1	17.7	8.32	32.74	96.4	7.55	1.8	3.1	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	SR10A	19:13:01	1.0	Surface	1	2	17.7	8.32	32.74	96.3	7.54	1.9	2.1	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	SR10A	19:12:08	3.3	Middle	2	1	17.7	8.32	32.74	96.3	7.54	1.9	2.6	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	SR10A	19:12:45	3.3	Middle	2	2	17.7	8.32	32.74	96.1	7.52	1.9	2.6	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	SR10A	19:11:54	5.6	Bottom	3	1	17.7	8.32	32.74	96.3	7.53	2	2.7	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	SR10A	19:12:35	5.6	Bottom	3	2	17.7	8.32	32.74	96	7.51	2	2.3	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	SR10B	19:18:49	1.0	Surface	1	1	17.68	8.32	32.74	96.2	7.53	2.9	2.6	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	SR10B	19:18:17	1.0	Surface	1	2	17.68	8.32	32.74	96.3	7.54	2.7	3.9	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb		SR10B			Middle	2	1								
HKLR	HY/2011/03	2013-01-18	Mid-Ebb		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	SR10B	19:18:01	4.1	Bottom	3	1	17.68	8.32	32.75	96.1	7.52	2.9	2.9	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	SR10B	19:18:31	4.1	Bottom	3	2	17.68	8.32	32.74	96	7.51	2.7	3.6	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	CS2	16:56:50	1.0	Surface	1	1	17.38	8.27	32.92	102.1	8.03	3.2	8.6	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	CS2	16:57:25	1.0	Surface	1	2	17.38	8.27	32.93	101.7	8	3	7.7	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	CS2	16:57:15	4.1	Middle	2	1	17.39	8.27	32.96	101.6	7.99	3.2	7.2	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	CS2	16:56:38	4.1	Middle	2	2	17.39	8.27	32.95	102.3	8.04	3.2	6.9	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	CS2	16:56:24	7.2	Bottom	3	1	17.41	8.27	33	102.5	8.06	3.4	7.5	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	CS2	16:57:01	7.2	Bottom	3	2	17.39	8.27	32.99	101.6	7.99	3.5	6.2	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	CS(Mf)5	18:41:37	1.0	Surface	1	1	17.7	8.34	32.67	98.8	7.74	2	2.8	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	CS(Mf)5	18:40:35	1.0	Surface	1	2	17.71	8.33	32.67	98.3	7.69	1.9	3	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	CS(Mf)5	18:40:24	6.3	Middle	2	1	17.72	8.32	32.72	97.4	7.62	2	3.1	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	CS(Mf)5	18:41:22	6.3	Middle	2	2	17.72	8.33	32.71	97.2	7.61	1.9	2.2	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	CS(Mf)5	18:40:10	11.5	Bottom	3	1	17.72	8.32	32.73	98	7.67	2.2	2.5	
HKLR	HY/2011/03	2013-01-18	Mid-Ebb	Fine	CS(Mf)5	18:41:05	11.5	Bottom	3	2	17.72	8.32	32.73	96.7	7.57	2.1	2.7	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS5	12:28:24	1.0	Surface	1	1	17.57	8.42	32.16	111.6	8.78	6.5	8.6	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS5	12:29:00	1.0	Surface	1	2	17.58	8.42	32.16	111.8	8.8	6.8	8.1	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS5	12:28:12	4.3	Middle	2	1	17.46	8.42	32.18	110.7	8.73	6.4	5.9	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS5	12:28:48	4.3	Middle	2	2	17.47	8.42	32.17	111	8.75	6.7	7.5	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS5	12:28:37	7.6	Bottom	3	1	17.46	8.42	32.17	111.2	8.77	6.5	6.3	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS5	12:27:58	7.6	Bottom	3	2	17.43	8.42	32.17	110.4	8.72	6.7	5.9	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS(Mf)6	12:20:14	1.0	Surface	1	1	17.54	8.46	32.24	117.9	9.28	6.2	5.8	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS(Mf)6	12:20:45	1.0	Surface	1	2	17.6	8.46	32.24	119.1	9.36	6.3	7	
HKLR	HY/2011/03	2013-01-18	Mid-Flood		IS(Mf)6			Middle	2	1								
HKLR	HY/2011/03	2013-01-18	Mid-Flood		IS(Mf)6			Middle	2	2								
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS(Mf)6	12:20:27	2.0	Bottom	3	1	17.55	8.46	32.24	118.6	9.34	6.1	4.8	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS(Mf)6	12:20:00	2.0	Bottom	3	2	17.51	8.46	32.26	116	9.14	6.1	5.9	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS7	12:12:01	1.0	Surface	1	1	17.44	8.45	32.25	118.1	9.32	5.5	4.4	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS7	12:12:25	1.0	Surface	1	2	17.45	8.45	32.25	118.4	9.34	5.3	5.2	
HKLR	HY/2011/03	2013-01-18	Mid-Flood		IS7			Middle	2	1								
HKLR	HY/2011/03	2013-01-18	Mid-Flood		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS7	12:12:13	2.5	Bottom	3	1	17.43	8.45	32.25	118.2	9.33	5.5	3.7	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS7	12:11:53	2.5	Bottom	3	2	17.45	8.45	32.25	117.8	9.29	5.5	3.9	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS8	11:48:23	1.0	Surface	1	1	17.56	8.42	32.18	113.8	8.96	3.4	3.6	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS8	11:48:47	1.0	Surface	1	2	17.54	8.42	32.19	113.9	8.97	3.7	3.3	
HKLR	HY/2011/03	2013-01-18	Mid-Flood		IS8			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	2013-01-18	Mid-Flood		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS8	11:48:08	2.9	Bottom	3	1	17.53	8.42	32.2	113.7	8.96	3.5	3.3	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS8	11:48:32	2.9	Bottom	3	2	17.52	8.42	32.19	113.7	8.96	3.5	3	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS(Mf)9	12:05:34	1.0	Surface	1	1	17.45	8.41	32.1	113.7	8.97	4.2	6	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS(Mf)9	12:05:10	1.0	Surface	1	2	17.45	8.41	32.08	113	8.92	4	5.4	
HKLR	HY/2011/03	2013-01-18	Mid-Flood		IS(Mf)9			Middle	2	1								
HKLR	HY/2011/03	2013-01-18	Mid-Flood		IS(Mf)9			Middle	2	2								
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS(Mf)9	12:05:23	2.6	Bottom	3	1	17.36	8.43	32.25	113.2	8.94	4.1	6.6	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS(Mf)9	12:05:00	2.6	Bottom	3	2	17.38	8.42	32.22	112.4	8.88	4.1	4.9	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS10	12:07:30	1.0	Surface	1	1	17.5	8.21	32.69	107.3	8.43	2.8	5.5	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS10	12:06:55	1.0	Surface	1	2	17.49	8.2	32.7	107.1	8.42	2.9	5	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS10	12:07:17	5.8	Middle	2	1	17.44	8.21	32.75	107.2	8.43	3.7	4.7	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS10	12:06:46	5.8	Middle	2	2	17.45	8.2	32.73	107	8.42	3.5	5.2	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS10	12:06:37	10.6	Bottom	3	1	17.44	8.2	32.78	106.7	8.39	3.6	5.7	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	IS10	12:07:08	10.6	Bottom	3	2	17.44	8.21	32.81	106.7	8.39	3.7	6.2	
HKLR	HY/2011/03	2013-01-18	Mid-Flood		SR3			Surface	1	1								
HKLR	HY/2011/03	2013-01-18	Mid-Flood		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	SR3	12:34:34	0.6	Middle	2	1	17.52	8.41	32.11	108.6	8.56	6.1	6.5	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	SR3	12:34:23	0.6	Middle	2	2	17.52	8.41	32.12	108.1	8.52	6	5.9	
HKLR	HY/2011/03	2013-01-18	Mid-Flood		SR3			Bottom	3	1								
HKLR	HY/2011/03	2013-01-18	Mid-Flood		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	SR4	11:55:07	1.0	Surface	1	1	17.55	8.39	32.21	109.8	8.65	2.5	2.1	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	SR4	11:55:36	1.0	Surface	1	2	17.56	8.39	32.2	109.7	8.64	2.5	2.1	
HKLR	HY/2011/03	2013-01-18	Mid-Flood		SR4			Middle	2	1								
HKLR	HY/2011/03	2013-01-18	Mid-Flood		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	SR4	11:54:53	2.8	Bottom	3	1	17.48	8.39	32.21	109.5	8.63	2.7	3.9	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	SR4	11:55:19	2.8	Bottom	3	2	17.49	8.39	32.2	109.5	8.63	2.6	2.9	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	SR5	12:17:12	1.0	Surface	1	1	17.48	8.2	32.68	105.1	8.26	3.8	6.3	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	SR5	12:17:26	1.0	Surface	1	2	17.47	8.2	32.68	105.2	8.27	3.8	7.9	
HKLR	HY/2011/03	2013-01-18	Mid-Flood		SR5			Middle	2	1								
HKLR	HY/2011/03	2013-01-18	Mid-Flood		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	SR5	12:17:04	4.6	Bottom	3	1	17.46	8.2	32.68	104.9	8.25	4	9.8	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	SR5	12:17:20	4.6	Bottom	3	2	17.48	8.2	32.67	105.1	8.26	3.9	8.3	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	SR10A	10:43:16	1.0	Surface	1	1	17.66	8.31	32.69	95.1	7.45	2.8	2.6	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	SR10A	10:42:43	1.0	Surface	1	2	17.66	8.31	32.69	95.1	7.45	2.7	2.9	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	SR10A	10:42:32	3.4	Middle	2	1	17.66	8.31	32.69	94.9	7.44	2.9	3.3	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	SR10A	10:43:06	3.4	Middle	2	2	17.66	8.31	32.69	94.9	7.44	2.8	4.5	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	SR10A	10:42:55	5.7	Bottom	3	1	17.66	8.31	32.69	94.8	7.43	3.1	1.7	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	SR10A	10:42:20	5.7	Bottom	3	2	17.66	8.31	32.69	94.8	7.43	3	1.8	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	SR10B	10:32:49	1.0	Surface	1	1	17.66	8.3	32.74	95.3	7.46	3	3	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	SR10B	10:33:14	1.0	Surface	1	2	17.67	8.3	32.73	95.2	7.46	3.2	2.6	
HKLR	HY/2011/03	2013-01-18	Mid-Flood		SR10B			Middle	2	1								
HKLR	HY/2011/03	2013-01-18	Mid-Flood		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	SR10B	10:33:00	4.6	Bottom	3	1	17.66	8.3	32.73	95.1	7.45	3.2	3.5	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	SR10B	10:32:38	4.6	Bottom	3	2	17.66	8.3	32.75	95.2	7.45	3.2	3.3	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	CS2	13:31:42	1.0	Surface	1	1	17.41	8.18	32.83	102.3	8.05	2	3.8	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	CS2	13:31:10	1.0	Surface	1	2	17.4	8.17	32.84	102.2	8.04	2	3.1	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	CS2	13:31:03	4.2	Middle	2	1	17.3	8.16	32.86	101.8	8.02	2.2	3.8	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	CS2	13:31:33	4.2	Middle	2	2	17.35	8.17	32.85	101.8	8.01	2.2	3	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	CS2	13:30:56	7.3	Bottom	3	1	17.27	8.16	32.84	101.8	8.03	2.3	3.2	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	CS2	13:31:23	7.3	Bottom	3	2	17.28	8.17	32.83	101.7	8.02	2.2	3.3	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	CS(Mf)5	11:11:35	1.0	Surface	1	1	17.62	8.33	32.61	97.5	7.64	2.7	1.5	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	CS(Mf)5	11:10:56	1.0	Surface	1	2	17.62	8.33	32.62	97.6	7.65	2.6	1.5	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	CS(Mf)5	11:10:45	6.4	Middle	2	1	17.59	8.32	32.62	97	7.61	3.1	2	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	CS(Mf)5	11:11:22	6.4	Middle	2	2	17.59	8.32	32.62	96.7	7.59	3.2	2.5	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	CS(Mf)5	11:11:12	11.7	Bottom	3	1	17.59	8.32	32.62	97	7.61	3.1	2.1	
HKLR	HY/2011/03	2013-01-18	Mid-Flood	Sunny	CS(Mf)5	11:10:31	11.7	Bottom	3	2	17.59	8.33	32.62	97.3	7.63	3	2.3	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS5	20:49:35	1.0	Surface	1	1	18.02	8.53	32.06	128.9	10.07	4.9	6	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS5	20:48:58	1.0	Surface	1	2	18.01	8.53	32.06	127.9	9.99	4.9	7.4	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS5	20:49:24	4.3	Middle	2	1	17.97	8.53	32.06	128.3	10.03	4.9	5.4	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS5	20:48:46	4.3	Middle	2	2	17.91	8.52	32.07	126	9.86	5.1	5.1	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS5	20:49:09	7.6	Bottom	3	1	17.93	8.53	32.05	127.8	10	5	6.5	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS5	20:48:34	7.6	Bottom	3	2	17.79	8.51	32.06	126.4	9.91	5.2	5.2	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS(Mf)6	20:55:23	1.0	Surface	1	1	17.72	8.51	32.07	121.9	9.58	14.5	17.4	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS(Mf)6	20:56:12	1.0	Surface	1	2	17.72	8.51	32.07	122.8	9.64	14.8	17.5	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb		IS(Mf)6			Middle	2	1								
HKLR	HY/2011/03	2013-01-21	Mid-Ebb		IS(Mf)6			Middle	2	2								
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS(Mf)6	20:55:53	2.1	Bottom	3	1	17.73	8.51	32.07	122.5	9.62	14.9	19.6	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS(Mf)6	20:55:11	2.1	Bottom	3	2	17.73	8.51	32.07	121.5	9.54	14.9	18.1	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS7	21:04:07	1.0	Surface	1	1	18.06	8.61	32.12	148.7	11.6	6.1	3.4	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS7	21:04:26	1.0	Surface	1	2	18.03	8.61	32.12	148	11.55	6.1	4.7	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb		IS7			Middle	2	1								
HKLR	HY/2011/03	2013-01-21	Mid-Ebb		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS7	21:03:56	2.1	Bottom	3	1	17.99	8.61	32.12	148.3	11.59	6.5	8.7	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS7	21:04:17	2.1	Bottom	3	2	17.97	8.61	32.1	148.3	11.59	6.2	6.8	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS8	21:29:05	1.0	Surface	1	1	17.99	8.5	32.21	131.6	10.27	3.8	5.6	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS8	21:29:35	1.0	Surface	1	2	17.99	8.5	32.21	131.9	10.3	3.9	4.3	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb		IS8			Middle	2	1								
HKLR	HY/2011/03	2013-01-21	Mid-Ebb		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS8	21:29:16	3.2	Bottom	3	1	17.98	8.5	32.2	131.6	10.28	3.8	4.3	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS8	21:28:55	3.2	Bottom	3	2	17.98	8.5	32.21	131.2	10.24	3.8	5.3	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS(Mf)9	21:12:08	1.0	Surface	1	1	17.95	8.5	32.15	130.2	10.18	2.6	4.1	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS(Mf)9	21:12:32	1.0	Surface	1	2	17.95	8.5	32.15	130.4	10.2	2.5	3.6	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb		IS(Mf)9			Middle	2	1								
HKLR	HY/2011/03	2013-01-21	Mid-Ebb		IS(Mf)9			Middle	2	2								
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS(Mf)9	21:11:53	2.5	Bottom	3	1	17.94	8.5	32.16	129.9	10.15	2.8	4.8	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS(Mf)9	21:12:18	2.5	Bottom	3	2	17.94	8.5	32.15	130.2	10.18	2.8	4.3	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS10	21:41:13	1.0	Surface	1	1	17.88	8.23	33.15	108.1	8.41	1.8	3.5	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS10	21:42:06	1.0	Surface	1	2	17.81	8.24	33.14	108.2	8.43	1.8	2.7	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS10	21:41:55	5.6	Middle	2	1	17.86	8.22	33.23	107	8.32	1.8	2.8	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS10	21:41:06	5.6	Middle	2	2	17.87	8.21	33.23	106.8	8.3	1.7	2.9	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS10	21:40:51	10.2	Bottom	3	1	17.74	8.18	33.32	106.5	8.3	1.8	3.3	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	IS10	21:41:33	10.2	Bottom	3	2	17.69	8.18	33.35	105.9	8.26	1.8	3	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb		SR3			Surface	1	1								
HKLR	HY/2011/03	2013-01-21	Mid-Ebb		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	SR3	20:42:20	0.7	Middle	2	1	18.05	8.51	32.09	123.4	9.63	5.5	6.9	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	SR3	20:42:04	0.7	Middle	2	2	18.03	8.51	32.1	122.8	9.59	5.6	5.7	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb		SR3			Bottom	3	1								
HKLR	HY/2011/03	2013-01-21	Mid-Ebb		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	SR4	21:22:40	1.0	Surface	1	1	17.87	8.52	32.19	132.7	10.39	3	4.4	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	SR4	21:23:25	1.0	Surface	1	2	17.88	8.52	32.19	133.4	10.43	3.1	5.3	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb		SR4			Middle	2	1								
HKLR	HY/2011/03	2013-01-21	Mid-Ebb		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	SR4	21:23:11	2.7	Bottom	3	1	17.87	8.52	32.19	133.1	10.41	3.2	6.6	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	SR4	21:22:28	2.7	Bottom	3	2	17.86	8.52	32.19	131.9	10.33	3	6	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	SR5	21:30:15	1.0	Surface	1	1	17.96	8.26	33.05	112.1	8.72	2.1	3	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	SR5	21:30:56	1.0	Surface	1	2	18	8.27	33.03	112.9	8.77	2.2	2.6	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb		SR5			Middle	2	1								
HKLR	HY/2011/03	2013-01-21	Mid-Ebb		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	SR5	21:30:04	4.5	Bottom	3	1	17.63	8.22	33.17	110.6	8.64	2.5	4	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	SR5	21:30:46	4.5	Bottom	3	2	17.64	8.22	33.17	110.9	8.67	2.4	4.1	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	SR10A	22:52:17	1.0	Surface	1	1	17.78	8.31	32.53	95.5	7.47	1.8	1.6	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	SR10A	22:52:55	1.0	Surface	1	2	17.78	8.31	32.53	95.6	7.48	1.8	1.4	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	SR10A	22:52:03	3.3	Middle	2	1	17.76	8.31	32.53	95.4	7.46	1.8	2.4	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	SR10A	22:52:44	3.3	Middle	2	2	17.77	8.31	32.53	95.3	7.45	1.9	2.2	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	SR10A	22:51:48	5.6	Bottom	3	1	17.77	8.31	32.53	95.4	7.47	1.8	2.2	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	SR10A	22:52:32	5.6	Bottom	3	2	17.76	8.31	32.53	95.3	7.46	1.8	2.2	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	SR10B	22:57:25	1.0	Surface	1	1	17.75	8.3	32.54	94.9	7.43	2.4	2.4	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	SR10B	22:57:56	1.0	Surface	1	2	17.75	8.3	32.54	94.7	7.42	2.3	3.3	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb		SR10B			Middle	2	1								
HKLR	HY/2011/03	2013-01-21	Mid-Ebb		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	SR10B	22:57:09	4.1	Bottom	3	1	17.75	8.3	32.54	94.7	7.42	2.6	2	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	SR10B	22:57:38	4.1	Bottom	3	2	17.75	8.3	32.54	94.7	7.41	2.7	2.2	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	CS2	20:31:56	1.0	Surface	1	1	17.85	8.2	32.73	109	8.51	2.9	2.5	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	CS2	20:32:46	1.0	Surface	1	2	17.96	8.25	32.71	114.5	8.92	3	2	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	CS2	20:32:37	4.1	Middle	2	1	17.73	8.22	33.03	109.9	8.58	3	2.5	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	CS2	20:31:49	4.1	Middle	2	2	17.54	8.17	33.05	106.5	8.34	2.9	2.8	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	CS2	20:31:37	7.2	Bottom	3	1	17.52	8.15	33.1	105.8	8.29	3	2.6	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	CS2	20:32:27	7.2	Bottom	3	2	17.52	8.17	33.12	108.4	8.49	3.1	2.1	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	CS(Mf)5	22:14:18	1.0	Surface	1	1	17.77	8.35	32.49	99.3	7.78	2.2	2	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	CS(Mf)5	22:15:04	1.0	Surface	1	2	17.77	8.36	32.47	101.2	7.92	2.2	2.1	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	CS(Mf)5	22:14:08	6.1	Middle	2	1	17.72	8.33	32.53	98	7.68	2.2	2.5	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	CS(Mf)5	22:14:49	6.1	Middle	2	2	17.73	8.33	32.53	98.3	7.7	2.2	2	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	CS(Mf)5	22:13:43	11.2	Bottom	3	1	17.7	8.33	32.53	99	7.76	2.2	3.3	
HKLR	HY/2011/03	2013-01-21	Mid-Ebb	Sunny	CS(Mf)5	22:14:36	11.2	Bottom	3	2	17.7	8.33	32.53	99.3	7.78	2.3	2.3	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS5	14:34:39	1.0	Surface	1	1	18.01	8.53	32.07	128.7	10.06	7.2	10.5	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS5	14:35:26	1.0	Surface	1	2	17.98	8.52	32.08	127.9	9.99	7.1	11.3	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS5	14:34:23	4.4	Middle	2	1	17.8	8.5	32.09	126.2	9.89	7.1	9.5	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS5	14:35:16	4.4	Middle	2	2	17.77	8.5	32.1	126.1	9.89	7.3	9.1	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS5	14:35:01	7.8	Bottom	3	1	17.72	8.5	32.07	127.4	10.01	6.6	8	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS5	14:34:11	7.8	Bottom	3	2	17.75	8.5	32.07	127	9.97	6.4	7.9	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS(Mf)6	14:25:26	1.0	Surface	1	1	17.94	8.58	32.1	142.8	11.17	5.2	7.2	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS(Mf)6	14:25:46	1.0	Surface	1	2	17.94	8.58	32.1	143.2	11.2	5.3	7.1	
HKLR	HY/2011/03	2013-01-21	Mid-Flood		IS(Mf)6			Middle	2	1								
HKLR	HY/2011/03	2013-01-21	Mid-Flood		IS(Mf)6			Middle	2	2								
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS(Mf)6	14:25:14	2.1	Bottom	3	1	17.93	8.58	32.1	142.3	11.13	5.6	9.6	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS(Mf)6	14:25:35	2.1	Bottom	3	2	17.93	8.58	32.1	142.8	11.17	5.6	8.2	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS7	14:19:08	1.0	Surface	1	1	18.02	8.58	32.13	144.5	11.28	4.8	4.2	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS7	14:18:46	1.0	Surface	1	2	18	8.57	32.13	141.9	11.08	4.7	5.8	
HKLR	HY/2011/03	2013-01-21	Mid-Flood		IS7			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	2013-01-21	Mid-Flood		IS7			Middle	2	2								
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS7	14:18:56	2.4	Bottom	3	1	18	8.57	32.12	143	11.17	4.9	6.6	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS7	14:18:34	2.4	Bottom	3	2	17.91	8.55	32.11	141	11.04	5	5.9	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS8	13:54:55	1.0	Surface	1	1	17.82	8.44	32.14	121.8	9.54	3.3	2.2	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS8	13:54:32	1.0	Surface	1	2	17.81	8.44	32.13	121.2	9.5	3.4	3.3	
HKLR	HY/2011/03	2013-01-21	Mid-Flood		IS8			Middle	2	1								
HKLR	HY/2011/03	2013-01-21	Mid-Flood		IS8			Middle	2	2								
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS8	13:54:43	2.9	Bottom	3	1	17.69	8.44	32.15	121.1	9.52	3.4	3.1	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS8	13:54:17	2.9	Bottom	3	2	17.72	8.44	32.16	120.9	9.49	3.3	3.1	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS(Mf)9	14:12:19	1.0	Surface	1	1	17.87	8.44	32.11	122.2	9.57	2.4	3.8	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS(Mf)9	14:12:45	1.0	Surface	1	2	17.86	8.44	32.11	122.6	9.6	2.5	2.9	
HKLR	HY/2011/03	2013-01-21	Mid-Flood		IS(Mf)9			Middle	2	1								
HKLR	HY/2011/03	2013-01-21	Mid-Flood		IS(Mf)9			Middle	2	2								
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS(Mf)9	14:12:31	2.6	Bottom	3	1	17.8	8.45	32.11	121.9	9.56	2.4	4.8	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS(Mf)9	14:12:03	2.6	Bottom	3	2	17.8	8.45	32.12	121.9	9.56	2.4	4.5	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS10	14:05:55	1.0	Surface	1	1	17.79	8.29	32.82	119.1	9.3	3.1	4.4	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS10	14:05:08	1.0	Surface	1	2	17.69	8.29	32.86	118.5	9.27	3	2.8	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS10	14:05:39	5.9	Middle	2	1	17.66	8.29	32.85	118.5	9.28	3	3.8	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS10	14:05:01	5.9	Middle	2	2	17.64	8.29	32.86	117.9	9.23	3.1	5.3	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS10	14:04:52	10.7	Bottom	3	1	17.62	8.29	32.86	117.6	9.21	3.2	3.8	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	IS10	14:05:27	10.7	Bottom	3	2	17.64	8.29	32.86	118.1	9.25	3.1	4.1	
HKLR	HY/2011/03	2013-01-21	Mid-Flood		SR3			Surface	1	1								
HKLR	HY/2011/03	2013-01-21	Mid-Flood		SR3			Surface	1	2								
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	SR3	14:43:28	0.8	Middle	2	1	18.03	8.53	32.07	131.2	10.24	7.5	8.6	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	SR3	14:43:19	0.8	Middle	2	2	18.03	8.53	32.07	131.1	10.24	7.3	9.1	
HKLR	HY/2011/03	2013-01-21	Mid-Flood		SR3			Bottom	3	1								
HKLR	HY/2011/03	2013-01-21	Mid-Flood		SR3			Bottom	3	2								
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	SR4	14:01:11	1.0	Surface	1	1	17.64	8.44	32.22	122.4	9.62	2.6	3.1	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	SR4	14:00:52	1.0	Surface	1	2	17.64	8.44	32.22	122	9.59	2.7	4.1	
HKLR	HY/2011/03	2013-01-21	Mid-Flood		SR4			Middle	2	1								
HKLR	HY/2011/03	2013-01-21	Mid-Flood		SR4			Middle	2	2								
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	SR4	14:00:42	2.7	Bottom	3	1	17.64	8.44	32.22	121.5	9.55	2.7	3.8	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	SR4	14:01:00	2.7	Bottom	3	2	17.64	8.44	32.22	122.2	9.61	2.7	3.8	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	SR5	14:13:35	1.0	Surface	1	1	17.93	8.27	32.72	117.5	9.16	2.5	3.1	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	SR5	14:13:51	1.0	Surface	1	2	17.98	8.28	32.69	118.7	9.24	2.5	2.7	
HKLR	HY/2011/03	2013-01-21	Mid-Flood		SR5			Middle	2	1								
HKLR	HY/2011/03	2013-01-21	Mid-Flood		SR5			Middle	2	2								
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	SR5	14:13:28	4.6	Bottom	3	1	18.05	8.27	32.6	116.4	9.06	2.5	4.3	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	SR5	14:13:43	4.6	Bottom	3	2	17.99	8.28	32.65	117.5	9.15	2.5	4.1	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	SR10A	12:54:05	1.0	Surface	1	1	17.93	8.3	32.47	100	7.8	2.2	2.1	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	SR10A	12:54:43	1.0	Surface	1	2	17.76	8.3	32.46	99.2	7.77	2.1	2.1	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	SR10A	12:54:33	3.1	Middle	2	1	17.68	8.3	32.45	98.9	7.76	2.2	3.8	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	SR10A	12:53:55	3.1	Middle	2	2	17.7	8.3	32.45	99.3	7.78	2.2	4.1	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	SR10A	12:54:24	5.2	Bottom	3	1	17.68	8.3	32.46	99.2	7.78	2.1	2.1	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	SR10A	12:53:43	5.2	Bottom	3	2	17.7	8.3	32.45	99.3	7.78	2.1	1.9	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	SR10B	12:48:43	1.0	Surface	1	1	17.72	8.26	32.47	94.1	7.38	1.9	3.7	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	SR10B	12:48:19	1.0	Surface	1	2	17.71	8.26	32.47	94.1	7.37	1.9	3	
HKLR	HY/2011/03	2013-01-21	Mid-Flood		SR10B			Middle	2	1								
HKLR	HY/2011/03	2013-01-21	Mid-Flood		SR10B			Middle	2	2								
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	SR10B	12:48:32	4.1	Bottom	3	1	17.72	8.27	32.47	94	7.37	1.8	1.7	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	SR10B	12:48:08	4.1	Bottom	3	2	17.71	8.27	32.47	93.9	7.36	1.9	1.7	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	CS2	15:28:56	1.0	Surface	1	1	18.41	8.26	32.37	116.7	9.03	2.2	2.5	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	CS2	15:27:57	1.0	Surface	1	2	18.14	8.27	32.56	116	9.01	2.3	2.2	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	CS2	15:27:50	4.2	Middle	2	1	17.63	8.26	32.9	112.6	8.81	2.4	3.2	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	CS2	15:28:48	4.2	Middle	2	2	17.78	8.26	32.79	113.1	8.84	2.4	2.7	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	CS2	15:27:17	7.3	Bottom	3	1	17.49	8.23	32.9	111.7	8.77	2.6	3	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	CS2	15:28:37	7.3	Bottom	3	2	17.49	8.25	32.89	111.9	8.78	2.5	2.9	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	CS(Mf)5	13:24:26	1.0	Surface	1	1	17.79	8.34	32.35	100.4	7.86	2.2	2.1	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	CS(Mf)5	13:23:36	1.0	Surface	1	2	17.79	8.35	32.31	101.3	7.94	2.1	2.3	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	CS(Mf)5	13:24:15	6.4	Middle	2	1	17.65	8.31	32.46	100.4	7.88	2.1	3.5	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	CS(Mf)5	13:23:25	6.4	Middle	2	2	17.65	8.31	32.47	102	8	2.2	2.7	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	CS(Mf)5	13:23:54	11.7	Bottom	3	1	17.65	8.31	32.47	98.1	7.7	2.2	2.6	
HKLR	HY/2011/03	2013-01-21	Mid-Flood	Fine	CS(Mf)5	13:23:13	11.7	Bottom	3	2	17.65	8.31	32.48	99.3	7.79	2.3	3.5	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS5	22:06:40	1.0	Surface	1	1	18.61	8.49	31.86	131	10.13	5.6	8.4	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS5	22:07:13	1.0	Surface	1	2	18.62	8.49	31.84	131.7	10.18	5.5	9.9	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS5	22:07:04	4.6	Middle	2	1	18.61	8.49	31.85	130.9	10.13	5.9	7.8	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS5	22:06:35	4.6	Middle	2	2	18.6	8.49	31.87	130.8	10.11	5.9	8	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS5	22:06:51	8.2	Bottom	3	1	18.6	8.49	31.89	131	10.13	5.9	6.7	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS5	22:06:26	8.2	Bottom	3	2	18.6	8.49	31.88	130.8	10.12	6	7.2	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS(Mf)6	22:13:48	1.0	Surface	1	1	18.71	8.56	31.55	146.5	11.33	6.2	8.3	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS(Mf)6	22:13:37	1.0	Surface	1	2	18.71	8.56	31.62	145.5	11.24	6.3	8	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS(Mf)6	22:13:43	2.4	Bottom	3	1	18.72	8.56	31.57	146	11.28	6.8	6	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS(Mf)6	22:13:32	2.4	Bottom	3	2	18.72	8.56	31.63	145.6	11.25	6.5	5.5	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS7	22:20:46	1.0	Surface	1	1	18.63	8.55	31.56	144.1	11.16	6.3	8.4	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS7	22:21:00	1.0	Surface	1	2	18.66	8.55	31.55	144.7	11.2	6.3	9.2	

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	2013-01-23	Mid-Ebb	Fine	IS7	22:20:53	2.4	Bottom	3	1	18.66	8.55	31.55	144.4	11.18	6.5	7.6	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS7	22:20:42	2.4	Bottom	3	2	18.68	8.56	31.54	144.1	11.15	6.6	6.5	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS8	22:44:21	1.0	Surface	1	1	18.42	8.52	31.7	142.7	11.09	2.9	5.8	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS8	22:44:32	1.0	Surface	1	2	18.42	8.52	31.69	142.5	11.07	2.9	5.3	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS8	22:44:17	2.6	Bottom	3	1	18.41	8.53	31.69	142.9	11.1	3.1	9.2	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS8	22:44:27	2.6	Bottom	3	2	18.42	8.52	31.7	142.5	11.07	3	8	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS(Mf)9	22:27:06	1.0	Surface	1	1	18.51	8.53	31.66	139.3	10.8	3.4	7.2	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS(Mf)9	22:26:57	1.0	Surface	1	2	18.5	8.53	31.66	138.7	10.76	3.5	6.9	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS(Mf)9	22:26:52	2.4	Bottom	3	1	18.5	8.53	31.67	138.4	10.74	3.5	5.6	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS(Mf)9	22:27:02	2.4	Bottom	3	2	18.5	8.53	31.66	139	10.78	3.4	5.4	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS10	23:27:27	1.0	Surface	1	1	18.53	8.35	32.24	119.1	9.2	2.2	12.6	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS10	23:28:14	1.0	Surface	1	2	18.55	8.35	32.24	119.7	9.24	2.3	11.6	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS10	23:27:14	5.4	Middle	2	1	18.16	8.29	32.61	116.6	9.04	2.4	11.3	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS10	23:27:59	5.4	Middle	2	2	18.17	8.28	32.77	118.7	9.2	2.3	9.6	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS10	23:27:42	9.8	Bottom	3	1	18.17	8.28	32.83	115.5	8.96	2.3	8.5	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	IS10	23:26:57	9.8	Bottom	3	2	18.11	8.27	32.91	114.5	8.89	2.2	7.5	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	SR3	21:56:04	0.8	Middle	2	1	18.35	8.43	31.53	124.6	9.7	3	6	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	SR3	21:56:01	0.8	Middle	2	2	18.34	8.43	31.52	124.1	9.67	3.1	5.2	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	SR4	22:34:19	1.0	Surface	1	1	18.42	8.52	31.68	140.7	10.93	2.9	7	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	SR4	22:34:11	1.0	Surface	1	2	18.42	8.52	31.69	139.9	10.87	2.9	5.6	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	SR4	22:34:15	2.4	Bottom	3	1	18.42	8.52	31.68	140.3	10.9	2.9	6.5	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	SR4	22:34:07	2.4	Bottom	3	2	18.42	8.52	31.69	139.6	10.85	2.9	7.9	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	SR5	23:19:55	1.0	Surface	1	1	18.58	8.36	31.86	127.8	9.89	2.3	4.1	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	SR5	23:19:25	1.0	Surface	1	2	18.58	8.36	31.86	127.2	9.84	2.2	4	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	SR5	23:19:09	3.6	Bottom	3	1	18.35	8.33	32.3	125	9.69	2.6	4.8	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	SR5	23:19:37	3.6	Bottom	3	2	18.3	8.32	32.36	126.3	9.79	2.6	6.2	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	SR10A	23:53:19	1.0	Surface	1	1	17.98	8.3	32.42	98.5	7.68	1.5	4	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	SR10A	23:52:41	1.0	Surface	1	2	17.98	8.3	32.42	98.4	7.68	1.6	5.4	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	SR10A	23:52:33	3.3	Middle	2	1	17.98	8.29	32.42	98.1	7.65	1.7	5.9	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	SR10A	23:53:14	3.3	Middle	2	2	17.98	8.3	32.42	98.3	7.67	1.6	5.2	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	SR10A	23:53:03	5.5	Bottom	3	1	17.98	8.3	32.42	98.2	7.66	1.8	7.6	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	SR10A	23:52:26	5.5	Bottom	3	2	17.98	8.29	32.42	98	7.64	1.7	6.7	
HKLR	HY/2011/03	2013-01-24	Mid-Ebb	Fine	SR10B	00:00:52	1.0	Surface	1	1	17.98	8.3	32.42	98.3	7.67	1.8	6.4	
HKLR	HY/2011/03	2013-01-24	Mid-Ebb	Fine	SR10B	00:01:04	1.0	Surface	1	2	17.98	8.3	32.42	98.3	7.67	1.9	4.9	
HKLR	HY/2011/03	2013-01-24	Mid-Ebb	Fine	SR10B	00:00:45	4.5	Bottom	3	1	17.98	8.3	32.42	98.3	7.66	1.9	6.5	
HKLR	HY/2011/03	2013-01-24	Mid-Ebb	Fine	SR10B	00:00:58	4.5	Bottom	3	2	17.98	8.3	32.42	98.4	7.67	2	5.3	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	CS2	21:51:45	1.0	Surface	1	1	17.98	8.28	31.99	110.6	8.65	1.5	4.3	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	CS2	21:52:31	1.0	Surface	1	2	18.04	8.29	31.93	112.8	8.81	1.5	3.8	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	CS2	21:51:32	3.9	Middle	2	1	17.71	8.26	32.51	107.2	8.4	1.9	6.2	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	CS2	21:52:17	3.9	Middle	2	2	17.72	8.26	32.52	111	8.69	2	4.6	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	CS2	21:51:58	6.7	Bottom	3	1	17.74	8.26	32.52	109.9	8.61	2.1	4.9	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	CS2	21:51:11	6.7	Bottom	3	2	17.71	8.25	32.56	104.4	8.18	2.1	3.4	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	CS(Mf)5	23:24:20	1.0	Surface	1	1	18.03	8.3	32.4	99.6	7.76	1.2	4.2	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	CS(Mf)5	23:24:56	1.0	Surface	1	2	18.03	8.31	32.4	99.6	7.76	1.2	3.4	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	CS(Mf)5	23:24:13	6.7	Middle	2	1	18.03	8.3	32.4	99.3	7.74	1.3	6.6	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	CS(Mf)5	23:24:50	6.7	Middle	2	2	18.03	8.31	32.4	99.4	7.74	1.2	5.2	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	CS(Mf)5	23:23:58	12.4	Bottom	3	1	18.03	8.3	32.41	99.2	7.73	1.3	4.7	
HKLR	HY/2011/03	2013-01-23	Mid-Ebb	Fine	CS(Mf)5	23:24:32	12.4	Bottom	3	2	18.03	8.3	32.41	99.2	7.73	1.2	4	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS5	16:02:20	1.0	Surface	1	1	18.74	8.54	31.94	135.9	10.48	4.4	7.6	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS5	16:01:30	1.0	Surface	1	2	18.73	8.54	31.93	135.9	10.48	4.4	9	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS5	16:01:24	4.8	Middle	2	1	18.69	8.53	31.92	134.4	10.38	4.4	8.1	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS5	16:02:14	4.8	Middle	2	2	18.69	8.53	31.92	134.5	10.38	4.4	6.3	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS5	16:01:06	8.5	Bottom	3	1	18.61	8.52	31.94	133.7	10.33	4.5	8.5	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS5	16:01:55	8.5	Bottom	3	2	18.6	8.51	31.94	133.1	10.29	4.6	6.8	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS(Mf)6	15:53:12	1.0	Surface	1	1	18.72	8.57	31.56	146.2	11.3	5.5	7.8	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS(Mf)6	15:53:03	1.0	Surface	1	2	18.68	8.56	31.62	144.7	11.19	5.6	7.4	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS(Mf)6	15:53:08	2.5	Bottom	3	1	18.74	8.57	31.54	145.7	11.26	5.6	7	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS(Mf)6	15:52:56	2.5	Bottom	3	2	18.66	8.56	31.64	145.1	11.22	5.6	7.3	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS7	15:46:54	1.0	Surface	1	1	18.63	8.57	31.41	149.2	11.56	3.6	8.6	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS7	15:47:02	1.0	Surface	1	2	18.64	8.57	31.42	149.8	11.61	3.5	6.7	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS7	15:46:50	2.5	Bottom	3	1	18.64	8.57	31.39	148.9	11.54	3.6	8.5	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS7	15:46:59	2.5	Bottom	3	2	18.64	8.57	31.41	149.6	11.59	3.5	9.2	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS8	15:25:03	1.0	Surface	1	1	18.45	8.5	31.69	131.2	10.19	5	7.7	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS8	15:24:21	1.0	Surface	1	2	18.37	8.48	31.71	129.6	10.08	5.1	9	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS8	15:24:15	2.6	Bottom	3	1	18.33	8.47	31.73	129.4	10.07	5.3	7.8	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS8	15:24:51	2.6	Bottom	3	2	18.35	8.47	31.73	130.6	10.16	5.2	8.3	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS(Mf)9	15:39:58	1.0	Surface	1	1	18.53	8.52	31.69	134	10.39	5.4	8.8	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS(Mf)9	15:40:11	1.0	Surface	1	2	18.53	8.52	31.69	135.2	10.48	5.3	10.3	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS(Mf)9	15:39:52	2.5	Bottom	3	1	18.53	8.52	31.69	133.7	10.36	5.6	10	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS(Mf)9	15:40:03	2.5	Bottom	3	2	18.55	8.52	31.68	134.8	10.45	5.4	10	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS10	15:18:34	1.0	Surface	1	1	18.61	8.35	32	127.1	9.82	4.1	15.6	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS10	15:19:18	1.0	Surface	1	2	18.6	8.35	31.98	126.6	9.79	4.2	15.2	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS10	15:19:04	5.1	Middle	2	1	18.31	8.32	32.39	124	9.61	5.5	8.4	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS10	15:18:20	5.1	Middle	2	2	18.34	8.33	32.37	124.6	9.66	5.5	9.3	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	IS10	15:18:08	9.2	Bottom	3	1	18.34	8.33	32.35	125.5	9.73	5.2	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	2013-01-23	Mid-Flood	Sunny	IS10	15:18:52	9.2	Bottom	3	2	18.29	8.32	32.39	125.3	9.72	5.5	9.5	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	SR3	16:16:44	0.8	Middle	2	1	18.66	8.52	31.79	135.4	10.47	5.2	6.9	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	SR3	16:16:48	0.8	Middle	2	2	18.66	8.52	31.79	135.7	10.49	4.8	6.6	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	SR4	15:29:52	1.0	Surface	1	1	18.43	8.51	31.62	137	10.64	3.6	7.3	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	SR4	15:29:55	1.0	Surface	1	2	18.43	8.51	31.62	137.3	10.67	3.6	7.7	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	SR4	15:29:48	2.5	Bottom	3	1	18.43	8.51	31.62	136.6	10.61	3.6	6.5	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	SR4	15:30:01	2.5	Bottom	3	2	18.43	8.51	31.63	137.7	10.7	3.6	5.8	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	SR5	15:26:16	1.0	Surface	1	1	18.65	8.34	31.91	129.2	9.98	3.1	7.6	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	SR5	15:25:45	1.0	Surface	1	2	18.82	8.34	31.94	129.9	10	3.1	6	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	SR5	15:25:28	3.8	Bottom	3	1	18.36	8.33	32.18	128.5	9.96	3.2	5.8	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	SR5	15:26:05	3.8	Bottom	3	2	18.25	8.32	32.26	127.5	9.9	3.2	5.8	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	SR10A	14:23:39	1.0	Surface	1	1	18.1	8.3	32.39	100.2	7.8	1.4	5.9	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	SR10A	14:22:47	1.0	Surface	1	2	18.09	8.3	32.38	100.4	7.82	1.5	6.5	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	SR10A	14:23:31	3.3	Middle	2	1	18.03	8.3	32.39	99.7	7.77	1.5	3	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	SR10A	14:22:39	3.3	Middle	2	2	18.05	8.3	32.39	99.8	7.78	1.5	4.5	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	SR10A	14:22:19	5.6	Bottom	3	1	18.03	8.29	32.39	99.9	7.78	1.6	6.3	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	SR10A	14:23:07	5.6	Bottom	3	2	18.02	8.29	32.39	99.7	7.77	1.6	5	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	SR10B	14:16:59	1.0	Surface	1	1	17.99	8.27	32.38	97.7	7.62	1.5	4.8	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	SR10B	14:17:15	1.0	Surface	1	2	17.99	8.27	32.37	97.7	7.62	1.5	3.3	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	SR10B	14:17:08	4.5	Bottom	3	1	17.99	8.27	32.37	97.6	7.61	1.5	6.5	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	SR10B	14:16:48	4.5	Bottom	3	2	17.99	8.27	32.38	97.5	7.6	1.6	5.4	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	CS2	16:58:25	1.0	Surface	1	1	18.03	8.35	32.18	118.9	9.28	1.8	7.1	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	CS2	16:59:07	1.0	Surface	1	2	18.11	8.36	32.13	122	9.51	1.8	7	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	CS2	16:58:14	4.1	Middle	2	1	17.77	8.28	32.5	115	9	2.2	3.8	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	CS2	16:58:53	4.1	Middle	2	2	17.78	8.28	32.5	120.9	9.45	2.1	4.9	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	CS2	16:58:37	7.1	Bottom	3	1	17.81	8.29	32.52	116.6	9.12	2.2	6.1	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	CS2	16:58:00	7.1	Bottom	3	2	17.75	8.27	32.61	117.9	9.23	2.4	4.3	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	CS(Mf)5	14:53:26	1.0	Surface	1	1	18.17	8.36	32.28	102.9	8	1.4	5.9	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	CS(Mf)5	14:52:33	1.0	Surface	1	2	18.13	8.34	32.31	102.6	7.98	1.4	4.6	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	CS(Mf)5	14:53:20	6.8	Middle	2	1	18.08	8.33	32.34	100.8	7.85	1.4	6.4	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	CS(Mf)5	14:52:26	6.8	Middle	2	2	18.06	8.32	32.35	100.4	7.83	1.4	4.8	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	CS(Mf)5	14:53:06	12.5	Bottom	3	1	18	8.3	32.39	99.8	7.78	1.4	6.1	
HKLR	HY/2011/03	2013-01-23	Mid-Flood	Sunny	CS(Mf)5	14:52:12	12.5	Bottom	3	2	18.01	8.3	32.39	99.7	7.77	1.5	5.1	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS5	12:58:43	1.0	Surface	1	1	18.85	8.51	30.9	134	10.37	4.7	6.5	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS5	12:58:09	1.0	Surface	1	2	18.85	8.51	30.9	133.9	10.36	5	4.7	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS5	12:58:01	4.4	Middle	2	1	18.82	8.51	30.99	133.5	10.34	5	7.2	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS5	12:58:35	4.4	Middle	2	2	18.82	8.51	30.99	133.6	10.34	4.7	6	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS5	12:58:24	7.7	Bottom	3	1	18.82	8.51	31.04	133.7	10.35	5.1	5.7	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS5	12:57:50	7.7	Bottom	3	2	18.82	8.51	31.06	133.6	10.34	5.1	5.9	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS(Mf)6	12:46:11	1.0	Surface	1	1	18.97	8.53	31.08	136.7	10.55	13.2	11.7	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS(Mf)6	12:45:46	1.0	Surface	1	2	18.99	8.53	31.04	137.1	10.58	13	9.8	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS(Mf)6	12:45:28	2.0	Bottom	3	1	18.88	8.52	31.13	136.2	10.52	14.9	10.3	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS(Mf)6	12:46:01	2.0	Bottom	3	2	18.92	8.52	31.11	136.3	10.53	14.7	9.3	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS7	12:35:24	1.0	Surface	1	1	19.22	8.52	30.55	138.6	10.68	4.1	5.6	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS7	12:35:44	1.0	Surface	1	2	19.18	8.52	30.55	139.2	10.73	4.1	6.2	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS7	12:35:33	2.1	Bottom	3	1	19.12	8.52	30.55	138.6	10.7	3.9	6	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS7	12:35:11	2.1	Bottom	3	2	19.11	8.52	30.58	138.1	10.66	3.8	6.1	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS8	12:04:51	1.0	Surface	1	1	18.85	8.49	30.24	135.4	10.52	3.7	8.5	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS8	12:04:26	1.0	Surface	1	2	18.89	8.49	30.21	134.8	10.47	3.9	6.9	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS8	12:04:40	2.9	Bottom	3	1	18.72	8.49	30.3	134.4	10.47	4.4	4.1	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS8	12:04:12	2.9	Bottom	3	2	18.68	8.49	30.35	133.8	10.43	4.4	5.4	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS(Mf)9	12:26:44	1.0	Surface	1	1	18.93	8.5	30.26	138.2	10.73	4.1	6.5	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS(Mf)9	12:26:10	1.0	Surface	1	2	18.94	8.5	30.27	137	10.63	4	6.4	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS(Mf)9	12:25:50	2.4	Bottom	3	1	18.66	8.5	30.49	136	10.59	6.4	7.4	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS(Mf)9	12:26:31	2.4	Bottom	3	2	18.7	8.51	30.41	137.5	10.71	6.2	5.8	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS10	16:53:40	1.0	Surface	1	1	18.79	8.31	30.64	127.9	9.93	1.9	5	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS10	16:54:14	1.0	Surface	1	2	18.82	8.31	30.57	128.6	9.98	1.7	5.1	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS10	16:54:08	5.8	Middle	2	1	18.65	8.31	31.12	127	9.85	1.8	5.6	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS10	16:53:33	5.8	Middle	2	2	18.73	8.3	30.86	126.5	9.82	1.9	6.1	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS10	16:53:23	10.6	Bottom	3	1	18.51	8.28	31.8	125.9	9.76	2	7	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	IS10	16:54:01	10.6	Bottom	3	2	18.58	8.3	31.55	126	9.77	2.1	5.5	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	SR3	13:04:33	0.7	Middle	2	1	18.91	8.51	30.29	135.7	10.53	4.9	5.1	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	SR3	13:04:19	0.7	Middle	2	2	18.91	8.51	30.33	134.5	10.44	5.1	6.5	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	SR4	12:12:44	1.0	Surface	1	1	18.99	8.46	30.31	128.5	9.96	4.8	7.4	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	SR4	12:12:16	1.0	Surface	1	2	18.97	8.46	30.33	128.4	9.95	4.9	5.6	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	SR4	12:12:06	2.7	Bottom	3	1	18.91	8.46	30.36	127.9	9.92	5.2	11.3	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	SR4	12:12:34	2.7	Bottom	3	2	18.89	8.45	30.38	128.1	9.94	5.1	9.8	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	SR5	16:43:57	1.0	Surface	1	1	18.82	8.3	30.61	127.3	9.88	2.3	12.6	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	SR5	16:44:28	1.0	Surface	1	2	18.9	8.3	30.4	127.6	9.9	2.5	14.2	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	SR5	16:43:49	4.6	Bottom	3	1	18.71	8.29	31.07	126.8	9.83	3	8.2	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	SR5	16:44:13	4.6	Bottom	3	2	18.65	8.3	31.27	126.6	9.82	2.9	9	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	SR10A	10:43:00	1.0	Surface	1	1	18.23	8.32	31.9	101.2	7.88	2.6	4.2	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	SR10A	10:43:36	1.0	Surface	1	2	18.21	8.31	31.92	101.1	7.87	2.8	5.5	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	SR10A	10:43:24	3.3	Middle	2	1	18.18	8.31	31.96	100.8	7.85	3.1	4.7	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	SR10A	10:42:47	3.3	Middle	2	2	18.18	8.31	31.95	100.8	7.85	3	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	2013-01-25	Mid-Ebb	Sunny	SR10A	10:42:34	5.5	Bottom	3	1	18.18	8.31	31.96	101.3	7.89	3.2	2.7	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	SR10A	10:43:12	5.5	Bottom	3	2	18.19	8.31	31.95	101.2	7.89	3.3	4.3	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	SR10B	10:30:30	1.0	Surface	1	1	18.12	8.28	32.13	100.3	7.82	2.2	4.6	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	SR10B	10:30:56	1.0	Surface	1	2	18.12	8.28	32.12	99.3	7.74	2.2	3.9	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	SR10B	10:30:18	4.7	Bottom	3	1	18.08	8.27	32.15	101	7.88	2.2	4.6	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	SR10B	10:30:42	4.7	Bottom	3	2	18.11	8.28	32.12	99.5	7.75	2.2	6.1	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	CS2	15:42:37	1.0	Surface	1	1	18.82	8.25	30.12	123.9	9.65	2.2	5.2	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	CS2	15:43:14	1.0	Surface	1	2	18.88	8.25	30.02	123.8	9.63	2.2	3.4	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	CS2	15:43:05	4.1	Middle	2	1	18.72	8.26	30.4	122.7	9.55	2.5	4.8	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	CS2	15:42:29	4.1	Middle	2	2	18.72	8.26	30.41	122.7	9.55	2.5	5.9	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	CS2	15:42:17	7.2	Bottom	3	1	18.56	8.25	30.97	121.6	9.47	3.2	7.2	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	CS2	15:42:54	7.2	Bottom	3	2	18.58	8.25	30.99	122.1	9.5	3.1	7.1	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	CS(Mf)5	11:23:03	1.0	Surface	1	1	18.54	8.42	31.27	113	8.78	2.2	3.5	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	CS(Mf)5	11:24:20	1.0	Surface	1	2	18.54	8.42	31.29	114.9	8.93	2.2	4.5	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	CS(Mf)5	11:23:59	6.4	Middle	2	1	18.29	8.36	31.75	107.5	8.37	2.1	3.6	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	CS(Mf)5	11:22:48	6.4	Middle	2	2	18.28	8.36	31.76	108.2	8.42	2.1	5	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	CS(Mf)5	11:23:41	11.8	Bottom	3	1	18.26	8.35	31.8	107.6	8.38	2.1	2.8	
HKLR	HY/2011/03	2013-01-25	Mid-Ebb	Sunny	CS(Mf)5	11:22:32	11.8	Bottom	3	2	18.26	8.35	31.8	109.9	8.56	1.9	2.9	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS5	15:59:16	1.0	Surface	1	1	19.02	8.53	30.45	138.3	10.7	4.5	5.6	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS5	15:59:57	1.0	Surface	1	2	18.99	8.53	30.47	137.9	10.68	4.3	5.3	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS5	15:59:03	4.3	Middle	2	1	18.94	8.51	30.62	135.8	10.51	4.7	5.4	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS5	15:59:45	4.3	Middle	2	2	18.95	8.52	30.58	136.1	10.54	4.7	3.8	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS5	15:59:30	7.6	Bottom	3	1	18.88	8.51	30.91	137.1	10.6	4.6	6.4	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS5	15:58:53	7.6	Bottom	3	2	18.89	8.51	30.94	136.6	10.57	4.6	5.4	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS(Mf)6	16:07:10	1.0	Surface	1	1	19.33	8.56	30.83	146.6	11.25	7.9	7.1	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS(Mf)6	16:07:32	1.0	Surface	1	2	19.34	8.56	30.82	146.9	11.27	7.9	6.4	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS(Mf)6	16:07:20	2.1	Bottom	3	1	19.29	8.56	30.96	146.7	11.26	8.2	6.1	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS(Mf)6	16:06:58	2.1	Bottom	3	2	19.28	8.56	30.97	146.2	11.22	8.7	5.9	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS7	16:15:11	1.0	Surface	1	1	19.16	8.58	30.59	152	11.72	6.3	7.6	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS7	16:14:45	1.0	Surface	1	2	19.15	8.58	30.6	151.9	11.72	6.2	6.2	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS7	16:14:58	2.1	Bottom	3	1	19.06	8.57	30.59	151.7	11.72	6.6	8.3	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS7	16:14:33	2.1	Bottom	3	2	18.85	8.57	30.65	150.2	11.65	6.4	6.6	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS8	16:43:30	1.0	Surface	1	1	18.97	8.54	30.48	144.7	11.21	3.8	5.4	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS8	16:43:52	1.0	Surface	1	2	18.97	8.54	30.47	145.6	11.27	4	6.2	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS8	16:43:41	3.0	Bottom	3	1	18.95	8.54	30.48	145.1	11.24	3.9	4.8	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS8	16:43:19	3.0	Bottom	3	2	18.96	8.54	30.5	144.4	11.18	3.8	6.7	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS(Mf)9	16:23:48	1.0	Surface	1	1	18.88	8.53	30.7	139.1	10.77	4.5	5.9	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS(Mf)9	16:23:23	1.0	Surface	1	2	18.83	8.53	30.77	138.7	10.75	4.4	4.1	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS(Mf)9	16:23:36	2.5	Bottom	3	1	18.77	8.52	30.98	138.5	10.74	4.8	4.9	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS(Mf)9	16:23:13	2.5	Bottom	3	2	18.79	8.53	30.92	138.5	10.73	4.7	6.8	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS10	12:11:11	1.0	Surface	1	1	18.65	8.32	31.04	126.3	9.81	2.8	3.8	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS10	12:10:25	1.0	Surface	1	2	18.66	8.32	31.02	126.1	9.79	2.8	4.5	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS10	12:11:02	5.7	Middle	2	1	18.56	8.32	31.39	125.2	9.72	2.9	4.8	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS10	12:10:15	5.7	Middle	2	2	18.55	8.32	31.42	125.3	9.73	3	5.4	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS10	12:10:03	10.4	Bottom	3	1	18.55	8.31	31.58	125.2	9.71	3.1	5.3	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	IS10	12:10:50	10.4	Bottom	3	2	18.53	8.31	31.6	125	9.7	3	4.7	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	SR3	15:50:34	0.8	Middle	2	1	19.08	8.54	30.23	140.5	10.87	4.6	5.3	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	SR3	15:50:48	0.8	Middle	2	2	19.09	8.54	30.22	141.5	10.95	4.8	5.1	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	SR4	16:36:01	1.0	Surface	1	1	19.13	8.48	30.35	130.8	10.11	5.7	3.9	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	SR4	16:37:16	1.0	Surface	1	2	19.16	8.48	30.33	128.3	9.91	5.9	4.6	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	SR4	16:35:54	2.7	Bottom	3	1	19.18	8.48	30.33	130.8	10.1	5.6	5.6	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	SR4	16:37:04	2.7	Bottom	3	2	19.11	8.48	30.34	124.4	9.62	5.5	4.8	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	SR5	12:19:42	1.0	Surface	1	1	18.7	8.33	31.26	126.9	9.83	2.8	5	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	SR5	12:20:15	1.0	Surface	1	2	18.69	8.33	31.26	127.5	9.88	2.8	5.5	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	SR5	12:19:28	4.5	Bottom	3	1	18.54	8.3	31.38	125.9	9.78	2.9	3.7	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	SR5	12:20:01	4.5	Bottom	3	2	18.54	8.31	31.38	126.1	9.8	3	4.1	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	SR10A	18:03:21	1.0	Surface	1	1	18.29	8.34	31.96	103.9	8.08	2.7	3.2	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	SR10A	18:03:57	1.0	Surface	1	2	18.29	8.34	31.97	103.8	8.07	2.8	3.8	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	SR10A	18:03:10	3.3	Middle	2	1	18.29	8.34	31.97	103.6	8.05	3	3.7	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	SR10A	18:03:46	3.3	Middle	2	2	18.28	8.34	31.98	103.7	8.06	3.1	5	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	SR10A	18:02:58	5.5	Bottom	3	1	18.28	8.34	31.99	103.4	8.04	3.1	3.2	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	SR10A	18:03:33	5.5	Bottom	3	2	18.29	8.34	31.98	103.7	8.07	3.2	3.7	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	SR10B	18:10:42	1.0	Surface	1	1	18.29	8.34	31.98	103.9	8.08	2.6	5.7	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	SR10B	18:11:07	1.0	Surface	1	2	18.28	8.34	31.97	104	8.09	2.7	5.8	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	SR10B	18:10:52	4.4	Bottom	3	1	18.29	8.34	31.98	103.7	8.07	2.9	6.2	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	SR10B	18:10:32	4.4	Bottom	3	2	18.29	8.34	31.98	103.6	8.06	2.9	5.6	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	CS2	13:16:23	1.0	Surface	1	1	19.05	8.32	30.7	131.4	10.15	2.3	4.5	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	CS2	13:15:36	1.0	Surface	1	2	18.65	8.32	31.33	130.3	10.1	2.4	4.8	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	CS2	13:04:00	4.1	Middle	2	1	18.83	8.32	31.17	128.3	9.92	2.6	4.9	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	CS2	13:16:04	4.1	Middle	2	2	18.63	8.32	31.33	129.7	10.06	2.6	5.7	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	CS2	13:03:53	7.2	Bottom	3	1	18.72	8.31	31.3	126.9	9.83	2.7	5.8	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	CS2	13:15:50	7.2	Bottom	3	2	18.98	8.33	30.88	131.2	10.14	2.7	4.1	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	CS(Mf)5	17:33:13	1.0	Surface	1	1	18.96	8.51	31.04	128.5	9.92	2.5	4	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	CS(Mf)5	17:32:33	1.0	Surface	1	2	18.96	8.51	31.03	129.7	10.01	2.4	5.3	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	CS(Mf)5	17:32:22	6.4	Middle	2	1	18.63	8.43	31.45	125.1	9.69	2.8	4.3	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	CS(Mf)5	17:33:00	6.4	Middle	2	2	18.66	8.42	31.53	123.6	9.57	2.9	5.5	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	CS(Mf)5	17:32:50	11.7	Bottom	3	1	18.56	8.42	31.64	127.5	9.88	2.9	6.1	
HKLR	HY/2011/03	2013-01-25	Mid-Flood	Sunny	CS(Mf)5	17:32:10	11.7	Bottom	3	2	18.68	8.43	31.56	130.3	10.08	2.7	4.5	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS5	12:26:34	1.0	Surface	1	1	18.2	8.47	30.42	116	9.12	5.5	9	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS5	12:27:10	1.0	Surface	1	2	18.18	8.46	30.42	115.8	9.1	5.7	9.8	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS5	12:26:59	4.3	Middle	2	1	18.17	8.46	30.42	115.5	9.09	6.6	7.1	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS5	12:26:20	4.3	Middle	2	2	18.19	8.46	30.42	115.6	9.09	6.7	7.3	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS5	12:26:45	7.5	Bottom	3	1	18.17	8.46	30.42	115.6	9.09	6.4	8.4	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS5	12:26:08	7.5	Bottom	3	2	18.19	8.46	30.42	115.5	9.08	6.5	9.4	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS(Mf)6	12:33:35	1.0	Surface	1	1	18.25	8.48	30.44	118.3	9.29	4.8	8.5	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS(Mf)6	12:33:10	1.0	Surface	1	2	18.25	8.48	30.45	118.1	9.27	4.7	7.1	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS(Mf)6	12:32:59	2.0	Bottom	3	1	18.21	8.48	30.45	117.9	9.26	5.3	6	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS(Mf)6	12:33:21	2.0	Bottom	3	2	18.25	8.48	30.45	118	9.27	5.2	7.8	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS7	12:40:11	1.0	Surface	1	1	18.42	8.56	30.4	131.2	10.27	5.4	6.2	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS7	12:40:37	1.0	Surface	1	2	18.44	8.56	30.4	131.8	10.31	5.5	6.6	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS7	12:40:00	2.2	Bottom	3	1	18.39	8.55	30.4	130.5	10.22	5.8	9.3	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS7	12:40:22	2.2	Bottom	3	2	18.38	8.55	30.4	131.1	10.27	5.6	10.2	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS8	13:02:57	1.0	Surface	1	1	18.41	8.51	30.48	126.7	9.92	3.3	5.9	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS8	13:02:05	1.0	Surface	1	2	18.42	8.51	30.48	125.8	9.84	3.4	6.7	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS8	13:01:53	3.0	Bottom	3	1	18.41	8.51	30.48	125.3	9.81	3.6	6	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS8	13:02:44	3.0	Bottom	3	2	18.4	8.51	30.48	126.3	9.88	3.5	7.6	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS(Mf)9	12:47:15	1.0	Surface	1	1	18.37	8.5	30.44	125.1	9.8	3.5	5.2	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS(Mf)9	12:47:38	1.0	Surface	1	2	18.39	8.5	30.44	125.4	9.82	3.6	5.6	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS(Mf)9	12:47:06	2.5	Bottom	3	1	18.37	8.5	30.44	124.7	9.77	3.6	4.9	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS(Mf)9	12:47:28	2.5	Bottom	3	2	18.36	8.5	30.45	125.2	9.81	3.8	5.8	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS10	13:18:35	1.0	Surface	1	1	18.24	8.3	31.29	112.8	8.81	3.6	9.5	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS10	13:19:20	1.0	Surface	1	2	18.3	8.31	31.28	113.7	8.87	3.5	10.6	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS10	13:19:12	5.6	Middle	2	1	18.25	8.31	31.29	112.1	8.75	3.5	9	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS10	13:18:28	5.6	Middle	2	2	18.18	8.29	31.29	111.8	8.74	3.6	8.7	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS10	13:18:06	10.2	Bottom	3	1	18.07	8.26	31.35	111.1	8.71	3.7	7.9	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	IS10	13:19:00	10.2	Bottom	3	2	18.09	8.27	31.31	111.1	8.7	3.8	9	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	SR3	12:19:36	0.6	Middle	2	1	18.3	8.5	30.45	119.1	9.34	5.4	6.4	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	SR3	12:19:18	0.6	Middle	2	2	18.25	8.51	30.48	117.2	9.2	5.3	5.4	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	SR4	12:56:53	1.0	Surface	1	1	18.4	8.49	30.49	122.9	9.62	3.6	5.6	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	SR4	12:57:14	1.0	Surface	1	2	18.4	8.49	30.49	123.2	9.65	3.4	5.4	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	SR4	12:56:45	2.8	Bottom	3	1	18.39	8.49	30.49	122.6	9.6	3.6	7.6	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	SR4	12:57:02	2.8	Bottom	3	2	18.38	8.49	30.49	122.9	9.63	3.5	6.4	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	SR5	13:05:24	1.0	Surface	1	1	18.31	8.28	31.29	112.3	8.77	2.9	7.4	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	SR5	13:05:59	1.0	Surface	1	2	18.31	8.28	31.28	112.8	8.81	2.8	6.5	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	SR5	13:05:10	4.5	Bottom	3	1	18.16	8.26	31.32	111.8	8.74	3.1	6	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	SR5	13:05:41	4.5	Bottom	3	2	18.16	8.27	31.31	111.8	8.75	3	4.6	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	SR10A	14:21:17	1.0	Surface	1	1	18.37	8.36	31.24	101.7	7.93	2.3	3.6	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	SR10A	14:22:02	1.0	Surface	1	2	18.32	8.36	31.31	101.3	7.9	2.4	2.8	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	SR10A	14:21:05	3.3	Middle	2	1	18.32	8.36	31.31	101.8	7.94	2.3	5.1	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	SR10A	14:21:49	3.3	Middle	2	2	18.32	8.35	31.31	101.1	7.89	2.3	3.2	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	SR10A	14:20:55	5.6	Bottom	3	1	18.34	8.36	31.29	102.4	7.98	2.3	7.5	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	SR10A	14:21:35	5.6	Bottom	3	2	18.32	8.36	31.3	101.1	7.89	2.4	6.4	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	SR10B	14:26:48	1.0	Surface	1	1	18.32	8.35	31.36	100.4	7.83	3.3	6	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	SR10B	14:26:18	1.0	Surface	1	2	18.32	8.35	31.36	100.3	7.82	3.4	5.4	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	SR10B	14:26:29	3.9	Bottom	3	1	18.32	8.35	31.36	100.2	7.81	3.2	4.5	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	SR10B	14:26:05	3.9	Bottom	3	2	18.32	8.35	31.36	100.3	7.82	3.2	5.1	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	CS2	12:11:17	1.0	Surface	1	1	18.26	8.23	31.42	111.4	8.69	3	6.8	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	CS2	12:12:02	1.0	Surface	1	2	18.25	8.25	31.41	111.1	8.67	3	7.6	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	CS2	12:11:53	4.1	Middle	2	1	18.19	8.24	31.42	110.2	8.61	3.2	9.1	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	CS2	12:11:08	4.1	Middle	2	2	18.2	8.22	31.42	110.7	8.65	3.1	9	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	CS2	12:10:52	7.2	Bottom	3	1	18.15	8.2	31.43	110.4	8.63	3.4	6	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	CS2	12:11:39	7.2	Bottom	3	2	18.12	8.22	31.44	109.9	8.6	3.5	7.3	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	CS(Mf)5	13:54:30	1.0	Surface	1	1	18.49	8.39	30.89	105.3	8.21	2.6	5.2	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	CS(Mf)5	13:55:19	1.0	Surface	1	2	18.5	8.4	30.86	105.8	8.24	2.6	4	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	CS(Mf)5	13:55:03	6.0	Middle	2	1	18.41	8.36	31.16	102.8	8.01	2.6	4.5	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	CS(Mf)5	13:54:14	6.0	Middle	2	2	18.37	8.36	31.21	102.2	7.97	2.5	4.2	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	CS(Mf)5	13:54:05	11.0	Bottom	3	1	18.31	8.35	31.32	102.9	8.02	3.1	3.5	
HKLR	HY/2011/03	2013-01-28	Mid-Ebb	Sunny	CS(Mf)5	13:54:51	11.0	Bottom	3	2	18.33	8.35	31.29	103.4	8.06	3.2	4.7	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS5	09:24:24	1.0	Surface	1	1	18.06	8.46	30.52	112.7	8.88	4.3	4.9	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS5	09:23:38	1.0	Surface	1	2	18.06	8.46	30.52	112.7	8.88	4	4.3	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS5	09:24:09	4.3	Middle	2	1	18.05	8.46	30.52	112.3	8.84	4.5	6.3	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS5	09:23:21	4.3	Middle	2	2	18.06	8.46	30.52	112.2	8.84	4.3	4.8	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS5	09:23:06	7.5	Bottom	3	1	18.05	8.45	30.52	112	8.83	4.9	7.5	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS5	09:23:53	7.5	Bottom	3	2	18.05	8.46	30.52	112.1	8.84	5.1	6.4	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS(Mf)6	09:15:42	1.0	Surface	1	1	18.08	8.49	30.47	117.2	9.23	5.8	11.9	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS(Mf)6	09:15:20	1.0	Surface	1	2	18.1	8.49	30.47	117.3	9.24	5.8	11	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS(Mf)6	09:15:08	2.0	Bottom	3	1	18.09	8.49	30.46	117.3	9.23	5.9	9.5	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS(Mf)6	09:15:32	2.0	Bottom	3	2	18.08	8.49	30.47	117.2	9.23	5.6	9.6	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS7	09:08:15	1.0	Surface	1	1	18.04	8.47	30.37	115.7	9.12	6.6	7.4	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS7	09:07:47	1.0	Surface	1	2	18.04	8.47	30.37	115.6	9.11	6.4	8.7	

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	2013-01-28	Mid-Flood	Sunny	IS7	09:07:32	2.3	Bottom	3	1	18.04	8.47	30.37	115.5	9.11	6.6	10.6	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS7	09:08:00	2.3	Bottom	3	2	18.04	8.47	30.37	115.5	9.11	6.3	9.7	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS8	08:45:18	1.0	Surface	1	1	18.19	8.46	30.47	114.5	9	7.2	11.3	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS8	08:44:45	1.0	Surface	1	2	18.18	8.46	30.47	114.3	8.98	7.4	11.8	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS8	08:44:29	3.1	Bottom	3	1	18.18	8.46	30.47	114	8.96	7.6	8.6	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS8	08:44:59	3.1	Bottom	3	2	18.18	8.46	30.47	114.3	8.98	7.1	7.8	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS(Mf)9	09:00:58	1.0	Surface	1	1	17.92	8.41	30.42	107.8	8.52	7.6	9.7	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS(Mf)9	09:00:33	1.0	Surface	1	2	17.93	8.41	30.42	107.7	8.51	7.9	8.5	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS(Mf)9	09:00:19	2.6	Bottom	3	1	17.93	8.41	30.42	107.7	8.51	8	10.3	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS(Mf)9	09:00:45	2.6	Bottom	3	2	17.93	8.41	30.42	107.7	8.51	7.7	10.2	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS10	08:32:07	1.0	Surface	1	1	18.1	8.28	31.27	108.7	8.51	5.7	16.4	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS10	08:31:15	1.0	Surface	1	2	18.11	8.28	31.26	108.4	8.5	5.8	16.8	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS10	08:31:57	5.8	Middle	2	1	18.08	8.26	31.27	107.6	8.43	5.9	12.4	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS10	08:31:09	5.8	Middle	2	2	18.09	8.26	31.27	107.3	8.41	6	13.9	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS10	08:30:59	10.6	Bottom	3	1	18.08	8.24	31.29	107	8.39	6.3	15.2	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	IS10	08:31:48	10.6	Bottom	3	2	18.07	8.25	31.29	107.5	8.43	6.1	13.7	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	SR3	09:30:01	0.6	Middle	2	1	18.1	8.5	30.48	116.8	9.19	4.5	6.1	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	SR3	09:29:34	0.6	Middle	2	2	18.1	8.5	30.48	116.1	9.14	4.6	6.8	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	SR4	08:51:14	1.0	Surface	1	1	18.15	8.45	30.48	113.5	8.93	4.7	7.5	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	SR4	08:51:42	1.0	Surface	1	2	18.15	8.45	30.48	113.7	8.95	4.9	8.6	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	SR4	08:50:57	2.7	Bottom	3	1	18.15	8.45	30.48	113.1	8.9	4.8	3.8	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	SR4	08:51:26	2.7	Bottom	3	2	18.15	8.45	30.48	113.4	8.92	4.8	5.3	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	SR5	08:38:46	1.0	Surface	1	1	18.13	8.27	31.26	109.8	8.6	4.9	12.1	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	SR5	08:39:04	1.0	Surface	1	2	18.14	8.28	31.26	110.1	8.62	4.8	13.4	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	SR5	08:38:37	4.5	Bottom	3	1	18.13	8.27	31.26	109.8	8.6	5.1	10	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	SR5	08:38:56	4.5	Bottom	3	2	18.14	8.27	31.26	109.8	8.6	5	11.4	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	SR10A	07:46:53	1.0	Surface	1	1	18.25	8.35	31.15	100.8	7.88	3.6	3.9	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	SR10A	07:46:15	1.0	Surface	1	2	18.25	8.34	31.28	100.3	7.84	3.9	3	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	SR10A	07:46:39	3.3	Middle	2	1	18.25	8.34	31.2	100.2	7.83	3.8	3.4	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	SR10A	07:46:00	3.3	Middle	2	2	18.25	8.34	31.29	100	7.82	3.8	5.2	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	SR10A	07:45:46	5.5	Bottom	3	1	18.25	8.34	31.28	100	7.82	4	5.2	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	SR10A	07:46:27	5.5	Bottom	3	2	18.25	8.34	31.28	100	7.81	3.8	3.7	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	SR10B	07:40:28	1.0	Surface	1	1	18.22	8.3	31.5	98.3	7.68	4.7	6.4	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	SR10B	07:40:02	1.0	Surface	1	2	18.22	8.3	31.5	98.5	7.69	4.8	6.4	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	SR10B	07:39:49	4.0	Bottom	3	1	18.22	8.3	31.51	98.5	7.69	5	7.4	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	SR10B	07:40:14	4.0	Bottom	3	2	18.22	8.3	31.5	98.3	7.67	4.8	7.5	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	CS2	09:51:40	1.0	Surface	1	1	18.05	8.25	31.35	105.9	8.3	4.5	11.6	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	CS2	09:51:04	1.0	Surface	1	2	18.05	8.25	31.35	105.8	8.29	4.5	10.3	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	CS2	09:50:59	4.2	Middle	2	1	18.05	8.24	31.36	105.5	8.27	4.5	13.2	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	CS2	09:51:32	4.2	Middle	2	2	18.05	8.25	31.37	105.6	8.28	4.6	12	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	CS2	09:50:50	7.3	Bottom	3	1	18.05	8.24	31.38	105.4	8.26	4.7	10.4	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	CS2	09:51:24	7.3	Bottom	3	2	18.05	8.25	31.37	105.6	8.27	4.8	11.7	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	CS(Mf)5	08:14:39	1.0	Surface	1	1	18.26	8.4	30.7	106	8.31	7.3	4.4	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	CS(Mf)5	08:15:28	1.0	Surface	1	2	18.25	8.4	30.68	106.4	8.34	7.2	5.8	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	CS(Mf)5	08:15:10	6.4	Middle	2	1	18.31	8.39	30.85	105.1	8.22	7.3	5.1	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	CS(Mf)5	08:14:27	6.4	Middle	2	2	18.31	8.39	30.85	105.4	8.25	7.3	6.6	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	CS(Mf)5	08:14:55	11.7	Bottom	3	1	18.31	8.39	30.87	105.4	8.25	7.6	3.1	
HKLR	HY/2011/03	2013-01-28	Mid-Flood	Sunny	CS(Mf)5	08:14:13	11.7	Bottom	3	2	18.3	8.39	30.86	105.9	8.29	7.4	3.9	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS5	13:24:04	1.0	Surface	1	1	18.65	8.4	30.18	108.9	8.5	5.9	6.7	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS5	13:24:43	1.0	Surface	1	2	18.64	8.4	30.18	108.7	8.49	5.8	7.2	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS5	13:24:33	4.4	Middle	2	1	18.61	8.4	30.18	108.4	8.47	6.2	6.6	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS5	13:23:46	4.4	Middle	2	2	18.61	8.4	30.18	108.4	8.47	6.1	6.5	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS5	13:23:28	7.7	Bottom	3	1	18.61	8.4	30.18	108.2	8.45	6.2	5.9	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS5	13:24:21	7.7	Bottom	3	2	18.61	8.4	30.18	108.3	8.46	6.5	4.6	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS(Mf)6	13:31:47	1.0	Surface	1	1	18.71	8.45	30.4	113.7	8.86	6.6	3.2	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS(Mf)6	13:31:23	1.0	Surface	1	2	18.7	8.45	30.4	113.6	8.84	6.3	4.1	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS(Mf)6	13:31:35	2.1	Bottom	3	1	18.68	8.45	30.4	113.6	8.85	6.3	3.6	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS(Mf)6	13:31:09	2.1	Bottom	3	2	18.69	8.45	30.4	113.3	8.82	6.1	2.8	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS7	13:38:46	1.0	Surface	1	1	18.81	8.42	30.33	111.8	8.7	7.6	7.7	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS7	13:39:09	1.0	Surface	1	2	18.8	8.42	30.32	111.9	8.7	7.6	7.6	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS7	13:38:30	2.3	Bottom	3	1	18.8	8.42	30.32	111.6	8.68	7.4	7.6	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS7	13:38:57	2.3	Bottom	3	2	18.79	8.42	30.32	111.8	8.7	7.5	8.8	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS8	14:12:38	1.0	Surface	1	1	18.9	8.41	30.25	111.6	8.67	4.5	4.1	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS8	14:12:04	1.0	Surface	1	2	18.92	8.41	30.24	111.3	8.64	4.6	3.6	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS8	14:11:51	3.0	Bottom	3	1	18.67	8.43	30.39	110.6	8.62	4.6	4.5	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS8	14:12:26	3.0	Bottom	3	2	18.62	8.44	30.43	110.6	8.63	4.6	4.3	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS(Mf)9	14:02:41	1.0	Surface	1	1	18.83	8.41	30.23	110.9	8.62	4.2	6.4	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS(Mf)9	14:03:23	1.0	Surface	1	2	18.82	8.42	30.23	111.2	8.65	4	5.5	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS(Mf)9	14:02:15	2.5	Bottom	3	1	18.83	8.41	30.23	110.6	8.6	4.5	5.8	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS(Mf)9	14:03:06	2.5	Bottom	3	2	18.8	8.42	30.24	110.8	8.62	4.2	4.3	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS10	14:20:27	1.0	Surface	1	1	18.68	8.21	30.91	106	8.23	3.1	7	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS10	14:20:02	1.0	Surface	1	2	18.65	8.21	30.94	105.9	8.23	3	5.9	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS10	14:20:18	5.6	Middle	2	1	18.58	8.21	31.05	105.6	8.21	3.1	7.3	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS10	14:19:55	5.6	Middle	2	2	18.58	8.21	31.05	105.6	8.21	3.3	5.7	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS10	14:20:12	10.2	Bottom	3	1	18.6	8.21	31.04	105.4	8.19	3.5	6.2	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	IS10	14:19:48	10.2	Bottom	3	2	18.61	8.21	31.04	105.4	8.19	3.4	7.1	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	SR3	13:16:40	0.7	Middle	2	1	18.82	8.43	30.22	111.6	8.68	5.4	6.9	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	SR3	13:16:29	0.7	Middle	2	2	18.82	8.44	30.22	111.1	8.64	5.5	5.1	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	SR4	14:21:22	1.0	Surface	1	1	18.97	8.39	30.28	107.1	8.31	5.8	3.9	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	SR4	14:21:01	1.0	Surface	1	2	18.97	8.39	30.28	107.1	8.3	6.1	4.6	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	SR4	14:20:40	2.8	Bottom	3	1	18.95	8.39	30.28	106.9	8.29	6.1	4.8	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	SR4	14:21:12	2.8	Bottom	3	2	18.96	8.39	30.28	107	8.3	5.8	4.7	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	SR5	14:10:46	1.0	Surface	1	1	18.71	8.19	30.97	104.1	8.08	4.7	9	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	SR5	14:11:04	1.0	Surface	1	2	18.71	8.19	30.96	104.3	8.09	4.8	8.9	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	SR5	14:10:54	4.4	Bottom	3	1	18.71	8.19	30.97	104.1	8.08	5.2	8.6	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	SR5	14:10:40	4.4	Bottom	3	2	18.7	8.19	30.98	103.8	8.06	5.1	9	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	SR10A	15:37:49	1.0	Surface	1	1	18.46	8.34	31.07	98	7.64	2.3	2.6	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	SR10A	15:38:23	1.0	Surface	1	2	18.44	8.34	31.07	98	7.64	2.2	3.9	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	SR10A	15:38:11	3.2	Middle	2	1	18.43	8.34	31.08	97.8	7.62	2.4	4.9	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	SR10A	15:37:38	3.2	Middle	2	2	18.43	8.34	31.08	97.7	7.62	2.3	6	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	SR10A	15:38:02	5.3	Bottom	3	1	18.42	8.34	31.09	97.8	7.63	2.2	4.5	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	SR10A	15:37:26	5.3	Bottom	3	2	18.42	8.34	31.08	97.6	7.61	2.2	5.4	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	SR10B	15:42:15	1.0	Surface	1	1	18.43	8.33	31.07	97.1	7.57	2.8	3.7	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	SR10B	15:42:48	1.0	Surface	1	2	18.4	8.33	31.09	97	7.56	2.7	5.1	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	SR10B	15:42:32	3.9	Bottom	3	1	18.43	8.33	31.07	96.9	7.56	2.7	7.2	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	SR10B	15:42:03	3.9	Bottom	3	2	18.43	8.33	31.07	97.1	7.57	2.9	7.4	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	CS2	13:15:36	1.0	Surface	1	1	18.65	8.18	30.93	105.5	8.19	2.7	6.5	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	CS2	13:15:59	1.0	Surface	1	2	18.61	8.19	30.98	105.6	8.21	2.6	7.5	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	CS2	13:15:26	4.1	Middle	2	1	18.58	8.19	31.02	105.3	8.19	2.9	6.9	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	CS2	13:15:54	4.1	Middle	2	2	18.58	8.2	31.04	105.2	8.18	2.8	6.5	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	CS2	13:15:18	7.2	Bottom	3	1	18.57	8.19	31.08	104.8	8.15	3.2	5	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	CS2	13:15:48	7.2	Bottom	3	2	18.6	8.19	31.03	105	8.16	3.1	6.7	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	CS(Mf)5	15:01:24	1.0	Surface	1	1	18.72	8.38	30.49	103.4	8.04	3.2	3.5	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	CS(Mf)5	15:02:07	1.0	Surface	1	2	18.7	8.38	30.52	102.9	8.01	3	3.1	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	CS(Mf)5	15:01:08	6.1	Middle	2	1	18.62	8.36	30.7	101.4	7.89	3.4	4.9	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	CS(Mf)5	15:01:54	6.1	Middle	2	2	18.61	8.36	30.71	101.5	7.9	3.5	3	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	CS(Mf)5	15:00:54	11.1	Bottom	3	1	18.52	8.36	30.79	101.9	7.94	3.3	3	
HKLR	HY/2011/03	2013-01-30	Mid-Ebb	Sunny	CS(Mf)5	15:01:41	11.1	Bottom	3	2	18.56	8.36	30.75	102.2	7.96	3.5	3	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS5	10:16:15	1.0	Surface	1	1	18.5	8.45	30.47	110.9	8.66	5.5	6.4	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS5	10:17:00	1.0	Surface	1	2	18.53	8.45	30.46	111	8.67	5.4	5.3	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS5	10:16:45	4.5	Middle	2	1	18.44	8.45	30.49	110.1	8.61	6	5.4	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS5	10:15:58	4.5	Middle	2	2	18.45	8.45	30.49	109.9	8.6	5.8	6.1	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS5	10:15:46	7.9	Bottom	3	1	18.43	8.44	30.49	109.9	8.59	5.9	5.2	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS5	10:16:34	7.9	Bottom	3	2	18.42	8.45	30.5	110.1	8.61	5.7	6.4	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS(Mf)6	10:07:55	1.0	Surface	1	1	18.46	8.42	30.37	107.8	8.43	8.2	7.3	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS(Mf)6	10:08:17	1.0	Surface	1	2	18.46	8.42	30.37	107.9	8.44	8	8.1	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS(Mf)6	10:08:05	2.2	Bottom	3	1	18.45	8.42	30.37	107.7	8.43	8.4	6	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS(Mf)6	10:07:44	2.2	Bottom	3	2	18.45	8.42	30.37	107.6	8.42	8.3	7.5	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS7	10:01:37	1.0	Surface	1	1	18.4	8.41	30.35	107	8.38	5.6	5.5	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS7	10:01:15	1.0	Surface	1	2	18.39	8.41	30.35	106.9	8.38	5.5	5.7	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS7	10:01:25	2.3	Bottom	3	1	18.39	8.41	30.35	106.9	8.38	5.6	5.8	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS7	10:01:04	2.3	Bottom	3	2	18.38	8.41	30.35	106.8	8.37	5.8	5.5	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS8	09:38:05	1.0	Surface	1	1	18.46	8.39	30.22	105.9	8.29	5.9	5.6	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS8	09:38:37	1.0	Surface	1	2	18.46	8.39	30.22	106.1	8.31	5.9	5.9	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS8	09:38:20	2.8	Bottom	3	1	18.45	8.4	30.23	105.8	8.29	6.2	4.7	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS8	09:37:54	2.8	Bottom	3	2	18.46	8.39	30.22	105.7	8.28	6.3	4.6	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS(Mf)9	09:55:31	1.0	Surface	1	1	18.49	8.39	30.12	105.6	8.27	5.8	4.6	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS(Mf)9	09:54:57	1.0	Surface	1	2	18.48	8.39	30.12	105.4	8.26	5.7	5.7	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS(Mf)9	09:55:21	2.4	Bottom	3	1	18.47	8.39	30.13	105.4	8.26	5.9	6.2	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS(Mf)9	09:54:44	2.4	Bottom	3	2	18.47	8.39	30.12	105.4	8.25	5.8	6.6	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS10	09:16:38	1.0	Surface	1	1	18.47	8.18	30.84	103	8.04	6.1	15.4	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS10	09:17:07	1.0	Surface	1	2	18.46	8.19	30.84	102.9	8.03	6.3	13.9	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS10	09:16:29	5.8	Middle	2	1	18.46	8.18	30.84	102.8	8.02	6.5	13.5	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS10	09:16:58	5.8	Middle	2	2	18.46	8.19	30.84	102.8	8.02	6.5	12.5	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS10	09:16:52	10.6	Bottom	3	1	18.46	8.19	30.84	102.6	8.01	6.8	15.9	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	IS10	09:16:20	10.6	Bottom	3	2	18.46	8.18	30.84	102.5	7.99	6.6	14.3	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	SR3	10:22:46	0.7	Middle	2	1	18.4	8.46	30.47	110.9	8.68	5.6	5.5	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	SR3	10:22:33	0.7	Middle	2	2	18.39	8.46	30.46	110.3	8.63	5.7	5.9	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	SR4	09:45:00	1.0	Surface	1	1	18.45	8.39	30.23	105.6	8.27	5.8	6.2	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	SR4	09:45:23	1.0	Surface	1	2	18.45	8.39	30.24	105.6	8.27	6	5	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	SR4	09:44:47	2.7	Bottom	3	1	18.45	8.39	30.24	105.4	8.26	6	6.8	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	SR4	09:45:07	2.7	Bottom	3	2	18.45	8.39	30.23	105.5	8.27	6.1	6.2	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	SR5	09:23:36	1.0	Surface	1	1	18.35	8.19	30.99	102.6	8.01	10.1	26.2	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	SR5	09:23:48	1.0	Surface	1	2	18.36	8.19	30.99	102.7	8.02	10.2	25.1	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	SR5	09:23:29	4.5	Bottom	3	1	18.36	8.18	30.98	102.4	8	10.5	25.3	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	SR5	09:23:43	4.5	Bottom	3	2	18.36	8.19	30.99	102.6	8.01	10.3	23.8	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	SR10A	08:41:02	1.0	Surface	1	1	18.31	8.32	30.87	98.4	7.7	4.1	4.8	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	SR10A	08:41:43	1.0	Surface	1	2	18.31	8.33	30.87	98.4	7.7	4.2	3.9	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	SR10A	08:41:29	3.3	Middle	2	1	18.3	8.32	30.92	98	7.66	4.5	5.1	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	SR10A	08:40:46	3.3	Middle	2	2	18.31	8.32	30.9	98	7.67	4.4	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	2013-01-30	Mid-Flood	Sunny	SR10A	08:41:16	5.6	Bottom	3	1	18.29	8.32	30.98	98	7.66	4.6	3.8	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	SR10A	08:40:28	5.6	Bottom	3	2	18.29	8.32	30.98	98.1	7.67	4.6	4.3	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	SR10B	08:34:58	1.0	Surface	1	1	18.26	8.3	31.18	96.7	7.56	6.3	7.9	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	SR10B	08:35:25	1.0	Surface	1	2	18.26	8.31	31.19	96.6	7.55	6.3	9.5	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	SR10B	08:34:38	3.9	Bottom	3	1	18.26	8.3	31.18	96.5	7.54	6.1	7.2	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	SR10B	08:35:16	3.9	Bottom	3	2	18.26	8.3	31.19	96.4	7.53	6	7.9	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	CS2	10:28:24	1.0	Surface	1	1	18.41	8.19	30.99	102.3	7.98	6.1	10.3	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	CS2	10:27:54	1.0	Surface	1	2	18.42	8.18	30.99	102.1	7.97	6.4	11.4	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	CS2	10:27:45	4.1	Middle	2	1	18.41	8.18	31	102	7.96	6.8	13.8	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	CS2	10:28:16	4.1	Middle	2	2	18.41	8.19	30.99	102	7.96	6.5	14.3	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	CS2	10:28:05	7.2	Bottom	3	1	18.41	8.18	31	101.8	7.94	6.9	14.5	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	CS2	10:27:38	7.2	Bottom	3	2	18.41	8.18	31.01	101.9	7.95	7.1	16.2	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	CS(Mf)5	09:09:32	1.0	Surface	1	1	18.42	8.36	30.25	101.6	7.96	5.8	4.7	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	CS(Mf)5	09:08:46	1.0	Surface	1	2	18.42	8.36	30.2	101.9	7.99	6.1	2.8	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	CS(Mf)5	09:09:17	6.7	Middle	2	1	18.38	8.35	30.57	100.9	7.9	6.2	4.2	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	CS(Mf)5	09:08:30	6.7	Middle	2	2	18.39	8.35	30.57	101	7.91	6.1	3.2	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	CS(Mf)5	09:09:04	12.3	Bottom	3	1	18.39	8.35	30.57	100.9	7.9	6.2	4.6	
HKLR	HY/2011/03	2013-01-30	Mid-Flood	Sunny	CS(Mf)5	09:08:17	12.3	Bottom	3	2	18.39	8.35	30.56	101.3	7.92	6.4	3.6	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS5	14:51:45	1.0	Surface	1	1	18.79	8.34	30.01	101.7	7.92	6.2	6.6	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS5	14:52:24	1.0	Surface	1	2	18.79	8.34	30.01	101.6	7.92	6.2	7	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS5	14:52:14	4.6	Middle	2	1	18.75	8.34	30.03	101.3	7.9	6.2	7	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS5	14:51:35	4.6	Middle	2	2	18.77	8.34	30.02	101.3	7.9	6	6.8	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS5	14:51:21	8.2	Bottom	3	1	18.75	8.34	30.03	101.2	7.89	6.1	5.8	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS5	14:51:59	8.2	Bottom	3	2	18.73	8.34	30.06	101.2	7.89	6.3	7	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS(Mf)6	14:58:18	1.0	Surface	1	1	18.8	8.36	30.17	102.3	7.96	8.5	4.5	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS(Mf)6	14:58:43	1.0	Surface	1	2	19.09	8.36	30.17	103.2	7.99	8.1	4	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS(Mf)6	14:58:06	2.2	Bottom	3	1	18.85	8.36	30.17	102.2	7.95	8.2	2.9	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS(Mf)6	14:58:28	2.2	Bottom	3	2	18.75	8.36	30.18	102	7.95	8.3	4.1	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS7	15:07:17	1.0	Surface	1	1	19.56	8.36	29.67	108	8.31	4.4	3.8	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS7	15:06:55	1.0	Surface	1	2	19.41	8.36	29.71	108	8.33	4.2	3.2	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS7	15:06:44	2.2	Bottom	3	1	19.31	8.36	29.77	107.6	8.31	4.5	6	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS7	15:07:05	2.2	Bottom	3	2	19.27	8.37	29.82	107.7	8.32	4.5	4.5	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS8	15:33:25	1.0	Surface	1	1	19.1	8.34	29.73	102	7.91	6.5	5.9	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS8	15:33:01	1.0	Surface	1	2	19.08	8.34	29.75	101.9	7.91	6.4	6.2	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS8	15:32:51	2.8	Bottom	3	1	18.84	8.34	29.81	101.2	7.89	6.9	7.2	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS8	15:33:14	2.8	Bottom	3	2	18.85	8.34	29.79	101.4	7.9	7.2	7.5	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS(Mf)9	15:14:14	1.0	Surface	1	1	18.92	8.37	29.83	108.2	8.42	5.3	4.8	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS(Mf)9	15:13:46	1.0	Surface	1	2	18.89	8.38	29.85	107.7	8.39	5.3	5.8	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS(Mf)9	15:14:01	2.5	Bottom	3	1	18.76	8.38	29.95	107.4	8.38	6.3	4.2	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS(Mf)9	15:13:37	2.5	Bottom	3	2	18.86	8.38	29.88	106.7	8.31	6	4.7	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS10	16:10:10	1.0	Surface	1	1	19.03	8.17	29.62	99.6	7.7	2.2	3.8	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS10	16:08:57	1.0	Surface	1	2	19.01	8.16	29.59	98.6	7.66	2.4	2.1	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS10	16:08:34	5.4	Middle	2	1	18.55	8.16	30.6	97	7.57	2.8	1.9	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS10	16:09:44	5.4	Middle	2	2	18.57	8.17	30.62	97.1	7.57	2.6	2.1	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS10	16:09:22	9.8	Bottom	3	1	18.53	8.18	30.64	96.3	7.51	3	3.4	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	IS10	16:08:16	9.8	Bottom	3	2	18.52	8.17	30.65	96	7.49	3.1	3.4	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	SR3	14:44:33	0.7	Middle	2	1	19.44	8.38	30.25	104.4	8.03	5.6	7.8	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	SR3	14:44:52	0.7	Middle	2	2	19.31	8.38	30.28	104.5	8.05	5.4	6.4	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	SR4	15:24:13	1.0	Surface	1	1	19.09	8.35	29.6	106.9	8.31	3.5	3.3	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	SR4	15:23:53	1.0	Surface	1	2	19.01	8.35	29.65	106.8	8.31	3.6	2.6	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	SR4	15:23:43	2.6	Bottom	3	1	18.86	8.36	29.67	106.2	8.28	3.6	2.7	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	SR4	15:24:03	2.6	Bottom	3	2	18.86	8.36	29.68	106.3	8.29	3.6	3.2	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	SR5	15:57:38	1.0	Surface	1	1	19.12	8.14	30.14	98.6	7.64	3.3	6.6	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	SR5	15:56:48	1.0	Surface	1	2	19.16	8.12	30.02	98.5	7.62	3.4	8.1	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	SR5	15:57:14	4.3	Bottom	3	1	18.55	8.14	30.49	96.5	7.51	3.8	7	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	SR5	15:56:24	4.3	Bottom	3	2	18.54	8.08	30.53	95.6	7.47	3.6	8.1	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	SR10A	16:59:36	1.0	Surface	1	1	18.62	8.3	30.74	95.1	7.41	2.3	1.9	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	SR10A	16:58:57	1.0	Surface	1	2	18.63	8.3	30.73	95.1	7.4	2.3	2.3	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	SR10A	16:58:43	3.1	Middle	2	1	18.57	8.3	30.8	94.8	7.38	2.3	2.2	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	SR10A	16:59:25	3.1	Middle	2	2	18.6	8.3	30.76	94.8	7.38	2.3	2.1	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	SR10A	16:59:14	5.2	Bottom	3	1	18.57	8.3	30.79	94.7	7.38	2.3	2.2	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	SR10A	16:58:28	5.2	Bottom	3	2	18.59	8.3	30.78	95.2	7.41	2.3	3.1	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	SR10B	17:03:56	1.0	Surface	1	1	18.61	8.3	30.8	95.1	7.4	2.9	3.3	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	SR10B	17:04:23	1.0	Surface	1	2	18.62	8.3	30.81	95	7.39	3.1	2.6	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	SR10B	17:04:08	4.2	Bottom	3	1	18.61	8.3	30.81	94.8	7.37	3	3.4	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	SR10B	17:03:43	4.2	Bottom	3	2	18.61	8.3	30.81	95	7.39	2.9	3.8	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	CS2	14:48:12	1.0	Surface	1	1	18.42	8.18	31.43	103	8.01	3.2	8.5	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	CS2	14:49:31	1.0	Surface	1	2	18.44	8.2	31.39	103.2	8.04	3.1	6.8	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	CS2	14:49:04	3.8	Middle	2	1	18.4	8.19	31.43	102.6	7.99	3.6	7.3	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	CS2	14:47:46	3.8	Middle	2	2	18.39	8.17	31.45	101.9	7.93	3.4	7.8	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	CS2	14:47:26	6.6	Bottom	3	1	18.26	8.16	31.62	101.1	7.87	4.3	7.1	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	CS2	14:48:40	6.6	Bottom	3	2	18.26	8.19	31.6	102.1	7.96	4.5	7	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	CS(Mf)5	16:33:02	1.0	Surface	1	1	18.96	8.33	30.14	98	7.61	2.5	4	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	CS(Mf)5	16:33:46	1.0	Surface	1	2	18.9	8.32	30.2	97.6	7.58	2.4	3	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	CS(Mf)5	16:32:45	6.3	Middle	2	1	18.7	8.31	30.48	96	7.47	2.5	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	2013-02-01	Mid-Ebb	Sunny	CS(Mf)5	16:33:34	6.3	Middle	2	2	18.67	8.31	30.52	96	7.48	2.3	4.6	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	CS(Mf)5	16:32:31	11.6	Bottom	3	1	18.57	8.31	30.64	96.4	7.51	2.4	5	
HKLR	HY/2011/03	2013-02-01	Mid-Ebb	Sunny	CS(Mf)5	16:33:23	11.6	Bottom	3	2	18.61	8.31	30.63	96.9	7.54	2.4	6.6	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS5	10:59:10	1.0	Surface	1	1	18.71	8.38	30.21	101.8	7.94	10.9	11.7	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS5	10:58:34	1.0	Surface	1	2	18.68	8.38	30.22	101.8	7.94	10.9	13.1	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS5	10:58:22	4.4	Middle	2	1	18.56	8.38	30.25	101.3	7.91	6.9	13.8	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS5	10:58:56	4.4	Middle	2	2	18.56	8.38	30.26	101.3	7.92	7.6	12	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS5	10:58:46	7.8	Bottom	3	1	18.56	8.38	30.25	101.3	7.91	7.1	11.9	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS5	10:58:10	7.8	Bottom	3	2	18.54	8.38	30.27	101.1	7.9	6.8	12.5	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS(Mf)6	10:50:15	1.0	Surface	1	1	18.65	8.39	30.17	104.1	8.12	6.4	5.8	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS(Mf)6	10:50:38	1.0	Surface	1	2	18.69	8.38	30.12	104.2	8.13	6.2	6.3	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS(Mf)6	10:50:26	2.3	Bottom	3	1	18.62	8.39	30.27	104.2	8.13	6.7	4.4	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS(Mf)6	10:50:01	2.3	Bottom	3	2	18.62	8.39	30.26	104	8.12	6.4	4.6	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS7	10:42:56	1.0	Surface	1	1	18.64	8.37	30.06	102.8	8.03	7.2	8.1	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS7	10:43:19	1.0	Surface	1	2	18.63	8.37	30.08	102.9	8.04	7.2	9.5	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS7	10:42:41	2.2	Bottom	3	1	18.6	8.38	30.15	102.7	8.03	7.2	9.2	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS7	10:43:06	2.2	Bottom	3	2	18.6	8.38	30.15	102.8	8.04	7.3	7.8	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS8	10:20:33	1.0	Surface	1	1	18.65	8.34	29.64	101	7.91	4.2	6.1	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS8	10:20:12	1.0	Surface	1	2	18.64	8.34	29.65	100.9	7.9	4.2	5	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS8	10:20:23	2.8	Bottom	3	1	18.57	8.35	29.75	100.8	7.9	4.4	6.6	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS8	10:19:56	2.8	Bottom	3	2	18.56	8.35	29.77	100.7	7.89	4.3	5.1	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS(Mf)9	10:36:20	1.0	Surface	1	1	18.58	8.36	29.86	100.6	7.88	5.3	7	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS(Mf)9	10:35:57	1.0	Surface	1	2	18.59	8.36	29.77	100.6	7.88	5.2	6.4	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS(Mf)9	10:35:47	2.7	Bottom	3	1	18.55	8.36	30.05	100.5	7.86	5.1	5.6	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS(Mf)9	10:36:08	2.7	Bottom	3	2	18.57	8.36	30.01	100.4	7.85	5.2	6	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS10	09:57:58	1.0	Surface	1	1	18.67	8.15	30.15	98.2	7.67	4.3	7	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS10	09:59:24	1.0	Surface	1	2	18.63	8.16	30.19	98.1	7.66	4.4	5.6	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS10	09:57:32	5.6	Middle	2	1	18.55	8.15	30.27	97.2	7.6	5.8	3.7	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS10	09:59:09	5.6	Middle	2	2	18.56	8.16	30.25	97.4	7.61	6.2	5.2	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS10	09:58:35	10.2	Bottom	3	1	18.48	8.16	30.52	97	7.58	7.3	4.7	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	IS10	09:57:05	10.2	Bottom	3	2	18.5	8.16	30.5	96.9	7.58	7.1	4.6	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	SR3	11:04:10	0.6	Middle	2	1	18.64	8.38	30.24	101.1	7.89	11.2	16.5	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	SR3	11:04:23	0.6	Middle	2	2	18.63	8.38	30.23	101	7.88	11.1	15.7	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	SR4	10:25:51	1.0	Surface	1	1	18.62	8.33	29.61	99.5	7.79	4.3	3.4	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	SR4	10:26:25	1.0	Surface	1	2	18.6	8.33	29.64	99.4	7.79	4.1	3.5	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	SR4	10:26:04	3.0	Bottom	3	1	18.56	8.34	29.68	99.3	7.79	4.2	3	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	SR4	10:25:38	3.0	Bottom	3	2	18.57	8.33	29.67	99.4	7.79	4.2	3.4	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	SR5	10:05:32	1.0	Surface	1	1	18.63	8.16	30.22	98.2	7.67	4.5	6	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	SR5	10:06:24	1.0	Surface	1	2	18.63	8.16	30.19	98.2	7.67	4.4	5	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	SR5	10:05:09	4.5	Bottom	3	1	18.57	8.16	30.25	98	7.65	5.1	7	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	SR5	10:06:02	4.5	Bottom	3	2	18.57	8.16	30.26	97.9	7.65	5.1	6	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	SR10A	09:22:15	1.0	Surface	1	1	18.48	8.31	30.36	96	7.51	3	3	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	SR10A	09:21:14	1.0	Surface	1	2	18.48	8.31	30.35	96.1	7.51	2.8	2.6	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	SR10A	09:20:55	3.2	Middle	2	1	18.47	8.31	30.39	95.8	7.49	2.8	2.2	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	SR10A	09:22:05	3.2	Middle	2	2	18.48	8.31	30.37	95.8	7.5	2.9	2.5	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	SR10A	09:20:38	5.3	Bottom	3	1	18.47	8.31	30.39	95.8	7.5	2.9	2.5	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	SR10A	09:21:50	5.3	Bottom	3	2	18.48	8.31	30.37	95.9	7.5	2.8	3	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	SR10B	09:14:48	1.0	Surface	1	1	18.37	8.29	30.85	94.2	7.36	4.2	6.2	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	SR10B	09:15:05	1.0	Surface	1	2	18.37	8.29	30.86	94.3	7.37	4.4	5.7	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	SR10B	09:14:56	4.3	Bottom	3	1	18.37	8.29	30.86	94.2	7.36	4.3	6.5	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	SR10B	09:14:38	4.3	Bottom	3	2	18.37	8.29	30.86	94.2	7.36	4.2	5.2	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	CS2	11:04:19	1.0	Surface	1	1	18.75	8.16	29.94	98.7	7.7	1.9	5.8	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	CS2	11:02:58	1.0	Surface	1	2	18.74	8.15	29.93	98.8	7.71	2	4.2	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	CS2	11:02:12	4.0	Middle	2	1	18.49	8.16	30.36	97.8	7.65	2.4	3	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	CS2	11:04:01	4.0	Middle	2	2	18.49	8.17	30.36	97.9	7.66	2.5	4.4	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	CS2	11:01:36	7.0	Bottom	3	1	18.49	8.16	30.35	97.7	7.64	2.9	2.9	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	CS2	11:03:36	7.0	Bottom	3	2	18.49	8.17	30.36	97.6	7.63	3.2	3.8	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	CS(Mf)5	09:49:39	1.0	Surface	1	1	18.68	8.32	29.73	97.9	7.66	4.5	2	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	CS(Mf)5	09:50:21	1.0	Surface	1	2	18.57	8.32	29.77	97.5	7.64	4.5	2.2	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	CS(Mf)5	09:50:11	6.4	Middle	2	1	18.5	8.33	29.92	96.8	7.59	4.6	5.3	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	CS(Mf)5	09:49:23	6.4	Middle	2	2	18.49	8.33	29.98	96.6	7.57	4.4	6.9	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	CS(Mf)5	09:49:11	11.7	Bottom	3	1	18.49	8.32	30.21	96.9	7.59	4.7	3.2	
HKLR	HY/2011/03	2013-02-01	Mid-Flood	Sunny	CS(Mf)5	09:49:55	11.7	Bottom	3	2	18.49	8.32	30.19	97	7.59	4.9	4.2	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS5	18:31:25	1.0	Surface	1	1	18.97	8.34	29.74	102.4	7.96	4.8	5.8	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS5	18:32:39	1.0	Surface	1	2	18.94	8.34	29.73	102.1	7.94	4.9	5.4	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS5	18:32:18	4.8	Middle	2	1	18.9	8.33	29.77	101.5	7.9	5.3	3.4	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS5	18:31:04	4.8	Middle	2	2	18.91	8.33	29.83	101.5	7.9	5.4	4.5	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS5	18:30:43	8.5	Bottom	3	1	18.88	8.33	30.07	101.8	7.92	6.2	3.9	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS5	18:31:56	8.5	Bottom	3	2	18.89	8.33	30.05	101.8	7.92	6	4.9	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS(Mf)6	18:41:33	1.0	Surface	1	1	19.23	8.31	29.67	100.2	7.76	9.8	7.4	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS(Mf)6	18:40:49	1.0	Surface	1	2	19.23	8.31	29.71	100.3	7.76	9.5	8.2	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS(Mf)6	18:40:32	2.1	Bottom	3	1	19.15	8.31	29.82	100.2	7.76	9.8	4.8	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS(Mf)6	18:41:17	2.1	Bottom	3	2	19.18	8.31	29.8	100.1	7.75	10.1	5.6	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS7	18:49:04	1.0	Surface	1	1	19.61	8.33	28.86	107.5	8.3	3.6	2.8	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS7	18:48:22	1.0	Surface	1	2	19.62	8.33	28.8	107.3	8.29	3.9	2.9	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS7	18:48:00	2.4	Bottom	3	1	19.58	8.33	29.27	106.6	8.22	4.5	5.1	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS7	18:48:47	2.4	Bottom	3	2	19.55	8.33	29.24	106.8	8.24	4.4	4.1	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS8	19:15:39	1.0	Surface	1	1	19.45	8.32	28.77	103.9	8.05	3.1	3.5	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS8	19:14:55	1.0	Surface	1	2	19.42	8.32	28.8	103.3	8.01	3.2	2.4	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS8	19:15:22	2.7	Bottom	3	1	19.29	8.32	29.07	103	7.98	3.6	3.4	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS8	19:14:35	2.7	Bottom	3	2	19.28	8.31	29.07	102.7	7.97	3.5	2.3	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS(Mf)9	18:57:03	1.0	Surface	1	1	19.59	8.33	28.74	106.4	8.22	2.8	3.2	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS(Mf)9	18:56:21	1.0	Surface	1	2	19.6	8.33	28.74	106.5	8.24	2.7	3	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS(Mf)9	18:55:59	2.5	Bottom	3	1	19.49	8.32	28.99	105.5	8.17	3	2.6	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS(Mf)9	18:56:46	2.5	Bottom	3	2	19.46	8.32	28.98	105.7	8.16	2.9	2.6	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS10	19:25:12	1.0	Surface	1	1	19	8.17	29.85	95.3	7.4	2.7	3.8	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS10	19:24:12	1.0	Surface	1	2	19.03	8.17	29.75	95	7.38	2.8	3	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS10	19:24:52	5.3	Middle	2	1	18.85	8.17	30.53	93.5	7.26	3.3	3.2	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS10	19:23:59	5.3	Middle	2	2	18.84	8.17	30.52	94.1	7.3	3.2	2.6	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS10	19:23:45	9.6	Bottom	3	1	18.87	8.16	30.71	94.6	7.33	3.1	2.6	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	IS10	19:24:37	9.6	Bottom	3	2	18.86	8.17	30.72	93.7	7.26	3.1	2.2	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	SR3	18:16:42	0.7	Middle	2	1	19.34	8.36	29.86	102.3	7.88	6.8	7	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	SR3	18:16:25	0.7	Middle	2	2	19.35	8.36	29.87	102.1	7.87	6.9	5.8	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	SR4	19:06:16	1.0	Surface	1	1	19.42	8.32	28.91	104	8.06	4.1	3.1	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	SR4	19:07:12	1.0	Surface	1	2	19.39	8.32	28.93	103.8	8.05	4.1	4.5	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	SR4	19:06:46	2.3	Bottom	3	1	19.35	8.32	29.36	103.7	8.05	4.5	3.8	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	SR4	19:05:53	2.3	Bottom	3	2	19.36	8.32	29.36	103.8	8.05	4.5	5	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	SR5	19:16:10	1.0	Surface	1	1	18.92	8.17	30.03	95.1	7.39	3.2	5.4	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	SR5	19:15:36	1.0	Surface	1	2	18.89	8.17	30.1	95.1	7.39	3	6.4	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	SR5	19:15:51	3.5	Bottom	3	1	18.84	8.17	30.51	94.9	7.36	3.5	6.3	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	SR5	19:15:19	3.5	Bottom	3	2	18.86	8.17	30.55	95.2	7.38	3.6	6.7	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	SR10A	20:18:00	1.0	Surface	1	1	18.98	8.29	30.56	95.5	7.4	1.9	3.8	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	SR10A	20:19:11	1.0	Surface	1	2	18.99	8.29	30.55	95.3	7.38	1.9	5.2	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	SR10A	20:17:43	3.2	Middle	2	1	18.88	8.29	30.6	95	7.36	1.8	5.2	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	SR10A	20:18:50	3.2	Middle	2	2	18.88	8.29	30.6	94.8	7.35	1.9	3.5	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	SR10A	20:18:30	5.4	Bottom	3	1	18.86	8.29	30.62	94.7	7.34	1.9	2.7	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	SR10A	20:17:19	5.4	Bottom	3	2	18.87	8.29	30.63	95	7.37	1.8	2.9	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	SR10B	20:30:33	1.0	Surface	1	1	18.76	8.28	30.74	92.6	7.19	1.8	2.2	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	SR10B	20:31:22	1.0	Surface	1	2	18.76	8.28	30.73	92.6	7.19	1.8	3.6	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	SR10B	20:31:04	4.3	Bottom	3	1	18.76	8.28	30.73	92.4	7.18	1.8	3.3	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	SR10B	20:30:10	4.3	Bottom	3	2	18.75	8.28	30.73	92.5	7.18	1.9	3.6	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	CS2	17:56:20	1.0	Surface	1	1	19.17	8.19	29.53	97.9	7.6	2.5	3.9	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	CS2	17:57:03	1.0	Surface	1	2	19.23	8.18	29.35	98.8	7.66	2.5	4.2	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	CS2	17:56:09	4.0	Middle	2	1	18.94	8.2	30.19	97.5	7.57	2.8	3.8	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	CS2	17:56:47	4.0	Middle	2	2	18.67	8.21	30.66	97.7	7.6	2.9	4.2	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	CS2	17:56:34	6.9	Bottom	3	1	18.64	8.22	30.86	97	7.54	2.7	5.2	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	CS2	17:55:49	6.9	Bottom	3	2	18.57	8.23	30.97	96.6	7.51	2.9	3.5	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	CS(Mf)5	19:51:59	1.0	Surface	1	1	19.15	8.3	29.75	95	7.36	2.1	3.5	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	CS(Mf)5	19:53:22	1.0	Surface	1	2	19.13	8.31	29.72	95.4	7.39	2.1	3.1	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	CS(Mf)5	19:52:57	6.7	Middle	2	1	18.72	8.27	30.62	91.5	7.11	2.2	2.9	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	CS(Mf)5	19:51:35	6.7	Middle	2	2	18.7	8.27	30.67	91.8	7.13	2.2	3.1	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	CS(Mf)5	19:52:31	12.4	Bottom	3	1	18.68	8.27	30.75	93.7	7.28	2.8	3.4	
HKLR	HY/2011/03	2013-02-04	Mid-Ebb	Fine	CS(Mf)5	19:51:17	12.4	Bottom	3	2	18.69	8.27	30.74	93.5	7.27	2.7	3.8	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS5	13:15:27	1.0	Surface	1	1	19.19	8.31	29.46	98.1	7.61	5.3	6.9	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS5	13:16:44	1.0	Surface	1	2	19.17	8.31	29.48	97.7	7.58	5.3	6.1	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS5	13:15:09	4.8	Middle	2	1	19.03	8.31	29.65	96.6	7.51	5.6	6.6	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS5	13:16:22	4.8	Middle	2	2	19.01	8.31	29.67	96.5	7.5	5.6	6.5	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS5	13:15:59	8.6	Bottom	3	1	18.72	8.32	30.18	96.1	7.49	6.6	6	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS5	13:14:43	8.6	Bottom	3	2	18.73	8.32	30.18	96.4	7.51	6.4	6.2	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS(Mf)6	13:06:51	1.0	Surface	1	1	19.23	8.31	29.42	100.6	7.8	7	6	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS(Mf)6	13:07:39	1.0	Surface	1	2	19.23	8.31	29.43	100.5	7.79	6.7	4.3	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS(Mf)6	13:07:19	2.3	Bottom	3	1	19.21	8.31	29.44	100.5	7.79	7.3	6.4	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS(Mf)6	13:06:33	2.3	Bottom	3	2	19.22	8.31	29.43	100.6	7.8	7.2	7	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS7	12:59:05	1.0	Surface	1	1	19.22	8.31	29.39	99.9	7.75	8.2	3.8	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS7	12:58:20	1.0	Surface	1	2	19.19	8.31	29.41	99.8	7.74	8.5	5.5	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS7	12:58:48	2.5	Bottom	3	1	19.18	8.31	29.4	99.7	7.74	9.3	4.9	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS7	12:58:04	2.5	Bottom	3	2	19.17	8.3	29.41	99.6	7.74	9.5	4.4	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS8	12:33:10	1.0	Surface	1	1	19.18	8.3	28.97	99.1	7.71	4.3	4.4	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS8	12:32:29	1.0	Surface	1	2	19.16	8.3	28.99	99.1	7.71	4.4	3.2	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS8	12:32:12	2.8	Bottom	3	1	19.09	8.3	29.55	98.8	7.67	4.8	3.9	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS8	12:32:51	2.8	Bottom	3	2	19.09	8.3	29.51	98.8	7.68	4.7	3.2	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS(Mf)9	12:51:21	1.0	Surface	1	1	19.06	8.3	29.46	97.8	7.61	4.3	6.4	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS(Mf)9	12:50:34	1.0	Surface	1	2	19.07	8.3	29.44	98	7.62	4.5	6.4	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS(Mf)9	12:51:04	2.6	Bottom	3	1	19.05	8.3	29.54	97.9	7.61	4.6	3.8	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS(Mf)9	12:50:12	2.6	Bottom	3	2	19.04	8.3	29.57	98	7.62	4.7	4.2	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS10	12:41:35	1.0	Surface	1	1	19.18	8.14	29.37	97	7.53	5.7	5.5	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS10	12:42:20	1.0	Surface	1	2	19.14	8.14	29.51	96.7	7.51	5.4	6.9	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS10	12:42:06	5.3	Middle	2	1	19.03	8.14	29.99	96	7.45	7.6	6.9	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS10	12:41:20	5.3	Middle	2	2	19.03	8.14	29.96	96.1	7.46	7.6	5.4	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	IS10	12:41:50	9.5	Bottom	3	1	18.98	8.14	30.12	96	7.45	7.6	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	2013-02-04	Mid-Flood	Fine	IS10	12:41:07	9.5	Bottom	3	2	18.98	8.14	30.09	96.1	7.46	7.5	3.5	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	SR3	13:27:30	0.8	Middle	2	1	19.08	8.31	29.72	97.4	7.56	6.7	7.2	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	SR3	13:27:11	0.8	Middle	2	2	19.09	8.31	29.72	97.5	7.57	7.1	7.2	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	SR4	12:40:47	1.0	Surface	1	1	19.52	8.28	28.09	99.8	7.76	3.1	3	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	SR4	12:41:38	1.0	Surface	1	2	19.54	8.28	28.07	99.8	7.76	3.2	2.4	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	SR4	12:40:27	2.5	Bottom	3	1	19.49	8.28	28.19	99.7	7.75	3.5	2.9	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	SR4	12:41:15	2.5	Bottom	3	2	19.5	8.28	28.17	99.8	7.75	3.3	2.6	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	SR5	12:51:51	1.0	Surface	1	1	19.65	8.12	28.72	98.3	7.6	5.2	3.4	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	SR5	12:51:24	1.0	Surface	1	2	19.63	8.12	28.82	98.1	7.58	5	3.7	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	SR5	12:51:39	3.6	Bottom	3	1	19.23	8.13	29.56	97.3	7.54	5.5	5.1	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	SR5	12:51:14	3.6	Bottom	3	2	19.25	8.13	29.66	97.1	7.52	5.7	3.4	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	SR10A	11:29:31	1.0	Surface	1	1	18.83	8.27	30.28	92.8	7.21	1.9	2.4	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	SR10A	11:30:44	1.0	Surface	1	2	18.88	8.27	30.23	93.1	7.23	1.7	2.2	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	SR10A	11:29:14	3.3	Middle	2	1	18.78	8.26	30.37	92.3	7.18	2	1.2	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	SR10A	11:30:25	3.3	Middle	2	2	18.74	8.27	30.42	92.3	7.18	1.8	1.4	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	SR10A	11:30:00	5.6	Bottom	3	1	18.69	8.26	30.55	92	7.16	2.2	3.7	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	SR10A	11:28:49	5.6	Bottom	3	2	18.7	8.26	30.53	91.9	7.15	2.3	2.6	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	SR10B	11:15:37	1.0	Surface	1	1	18.62	8.25	30.8	90.9	7.07	1.6	2.9	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	SR10B	11:14:47	1.0	Surface	1	2	18.62	8.25	30.8	91.1	7.09	1.6	2.6	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	SR10B	11:14:24	4.4	Bottom	3	1	18.61	8.25	30.81	91	7.08	1.7	2.2	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	SR10B	11:15:16	4.4	Bottom	3	2	18.59	8.25	30.84	90.7	7.06	1.8	1.6	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	CS2	14:07:02	1.0	Surface	1	1	18.97	8.18	29.47	101.3	7.89	2.1	3.4	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	CS2	14:08:06	1.0	Surface	1	2	19.04	8.18	29.39	101.2	7.88	2	2.6	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	CS2	14:07:47	4.2	Middle	2	1	18.28	8.23	31.51	100.1	7.81	3.3	2.9	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	CS2	14:06:47	4.2	Middle	2	2	18.3	8.23	31.49	100	7.8	3.2	2.2	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	CS2	14:07:30	7.3	Bottom	3	1	18.28	8.23	31.54	99.6	7.77	3.2	4.8	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	CS2	14:06:32	7.3	Bottom	3	2	18.27	8.23	31.54	99.5	7.76	3.4	4.8	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	CS(Mf)5	11:58:47	1.0	Surface	1	1	18.91	8.29	29.93	95	7.39	1.8	2.3	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	CS(Mf)5	11:57:32	1.0	Surface	1	2	18.97	8.29	29.9	95.7	7.43	2	2.8	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	CS(Mf)5	11:58:25	6.9	Middle	2	1	18.87	8.28	30.06	94	7.31	2	2.4	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	CS(Mf)5	11:57:07	6.9	Middle	2	2	18.87	8.28	30.05	94	7.31	2.2	3.1	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	CS(Mf)5	11:56:44	12.8	Bottom	3	1	18.81	8.28	30.25	94	7.31	2	2.3	
HKLR	HY/2011/03	2013-02-04	Mid-Flood	Fine	CS(Mf)5	11:58:01	12.8	Bottom	3	2	18.82	8.28	30.25	94.3	7.33	2	2.6	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS5	10:56:49	1.0	Surface	1	1	19.83	8.29	28.57	100.3	7.73	3.8	4.8	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS5	10:57:39	1.0	Surface	1	2	19.81	8.29	28.58	100.1	7.72	3.8	4.6	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS5	10:56:34	4.2	Middle	2	1	19.78	8.29	28.6	99.8	7.69	3.9	3	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS5	10:57:24	4.2	Middle	2	2	19.78	8.29	28.61	99.5	7.68	3.9	4.5	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS5	10:57:08	7.3	Bottom	3	1	19.74	8.29	28.62	99.4	7.67	3.8	3.9	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS5	10:56:17	7.3	Bottom	3	2	19.76	8.29	28.62	99.6	7.68	3.8	3	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS(Mf)6	10:47:43	1.0	Surface	1	1	20.01	8.3	28.56	103.3	7.94	6.3	5.2	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS(Mf)6	10:47:13	1.0	Surface	1	2	19.96	8.3	28.58	102.7	7.89	6.4	6.8	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS(Mf)6	10:47:27	2.1	Bottom	3	1	19.96	8.3	28.57	102.9	7.91	7.3	6.3	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS(Mf)6	10:46:55	2.1	Bottom	3	2	19.95	8.3	28.59	102.2	7.86	7.5	7	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS7	10:39:35	1.0	Surface	1	1	19.91	8.3	28.28	102.1	7.87	3.4	3.9	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS7	10:39:03	1.0	Surface	1	2	19.88	8.3	28.28	102	7.87	3.4	3.8	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS7	10:38:48	2.3	Bottom	3	1	19.86	8.3	28.29	101.8	7.86	3.5	2.8	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS7	10:39:20	2.3	Bottom	3	2	19.84	8.3	28.29	102	7.87	3.4	2.8	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS8	10:13:48	1.0	Surface	1	1	19.76	8.29	28.29	100.1	7.74	3.3	3.2	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS8	10:13:27	1.0	Surface	1	2	19.75	8.29	28.31	100	7.73	3.3	2.5	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS8	10:13:16	3.0	Bottom	3	1	19.73	8.29	28.44	99.9	7.72	3.3	3.2	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS8	10:13:38	3.0	Bottom	3	2	19.73	8.28	28.44	99.9	7.72	3.3	3.8	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS(Mf)9	10:30:57	1.0	Surface	1	1	19.78	8.29	28.27	101.4	7.83	4	3.3	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS(Mf)9	10:31:40	1.0	Surface	1	2	19.76	8.29	28.28	100.8	7.8	3.8	3.4	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS(Mf)9	10:31:25	2.6	Bottom	3	1	19.73	8.29	28.29	100.4	7.76	3.9	3.2	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS(Mf)9	10:30:40	2.6	Bottom	3	2	19.74	8.29	28.28	101	7.81	3.8	3.9	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS10	10:14:22	1.0	Surface	1	1	19.66	8.13	28.58	96.6	7.48	1.5	3.6	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS10	10:13:09	1.0	Surface	1	2	19.63	8.13	28.63	96.4	7.46	1.6	3	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS10	10:13:59	5.4	Middle	2	1	19.24	8.13	29.75	95.1	7.36	2	2.9	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS10	10:12:44	5.4	Middle	2	2	19.23	8.13	29.75	95.3	7.38	2.1	3.3	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS10	10:12:27	9.8	Bottom	3	1	19.13	8.12	30.09	95.4	7.38	2.7	2.1	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	IS10	10:13:35	9.8	Bottom	3	2	19.15	8.13	30.12	95.1	7.35	2.5	2.6	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	SR3	11:03:15	0.6	Middle	2	1	19.93	8.28	28.59	100	7.69	3.1	2.1	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	SR3	11:03:00	0.6	Middle	2	2	19.92	8.28	28.58	100	7.69	3.2	2.7	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	SR4	10:19:43	1.0	Surface	1	1	19.85	8.25	28.1	95.7	7.39	3	3.6	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	SR4	10:20:06	1.0	Surface	1	2	19.84	8.25	28.11	95.5	7.38	2.9	3.8	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	SR4	10:19:53	2.8	Bottom	3	1	19.81	8.25	28.14	95.4	7.38	3	3.8	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	SR4	10:19:29	2.8	Bottom	3	2	19.82	8.25	28.13	95.3	7.36	3.1	3.6	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	SR5	10:24:51	1.0	Surface	1	1	19.6	8.13	29.27	97.2	7.5	3	4.2	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	SR5	10:25:49	1.0	Surface	1	2	19.58	8.13	29.29	97.1	7.49	2.8	4.6	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	SR5	10:25:25	4.4	Bottom	3	1	19.19	8.13	29.9	96.1	7.44	3.4	4	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	SR5	10:24:27	4.4	Bottom	3	2	19.18	8.13	29.92	96.2	7.45	3.6	4.2	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	SR10A	09:08:11	1.0	Surface	1	1	18.97	8.25	30.35	91.7	7.1	1.6	3.4	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	SR10A	09:07:31	1.0	Surface	1	2	18.98	8.25	30.35	91.8	7.12	1.5	2.7	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	SR10A	09:07:57	3.3	Middle	2	1	18.97	8.25	30.36	91.4	7.08	1.6	3.4	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	SR10A	09:07:18	3.3	Middle	2	2	18.97	8.25	30.36	91.5	7.09	1.6	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	2013-02-06	Mid-Ebb	Fine	SR10A	09:07:05	5.5	Bottom	3	1	18.96	8.25	30.4	91.5	7.09	1.6	2.4	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	SR10A	09:07:45	5.5	Bottom	3	2	18.96	8.25	30.38	91.4	7.09	1.6	2.8	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	SR10B	09:01:10	1.0	Surface	1	1	18.95	8.24	30.45	91.6	7.1	1.7	3.4	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	SR10B	09:01:44	1.0	Surface	1	2	18.95	8.24	30.44	91.5	7.09	1.6	2.9	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	SR10B	09:01:25	3.9	Bottom	3	1	18.95	8.24	30.44	91.4	7.08	1.6	3	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	SR10B	09:00:57	3.9	Bottom	3	2	18.95	8.24	30.46	91.4	7.08	1.7	2.8	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	CS2	11:35:13	1.0	Surface	1	1	19.5	8.16	28.47	100.1	7.77	1.7	4	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	CS2	11:36:32	1.0	Surface	1	2	19.51	8.16	28.48	100	7.76	1.9	4.2	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	CS2	11:36:07	3.7	Middle	2	1	18.85	8.18	30.18	97.8	7.6	2.3	3.4	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	CS2	11:34:49	3.7	Middle	2	2	18.87	8.19	30.15	98.1	7.62	2.2	3	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	CS2	11:35:47	6.4	Bottom	3	1	18.77	8.17	30.46	97.6	7.59	2.8	3.6	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	CS2	11:34:31	6.4	Bottom	3	2	18.77	8.18	30.39	97.3	7.57	2.5	2.8	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	CS(Mf)5	09:41:14	1.0	Surface	1	1	19.11	8.26	29.94	92.7	7.19	1.5	3.6	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	CS(Mf)5	09:40:28	1.0	Surface	1	2	19.18	8.27	29.75	93.6	7.25	1.5	3.2	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	CS(Mf)5	09:41:00	6.4	Middle	2	1	19	8.26	30.26	91.9	7.12	1.6	3	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	CS(Mf)5	09:40:05	6.4	Middle	2	2	18.99	8.26	30.27	92.1	7.14	1.7	3.5	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	CS(Mf)5	09:40:44	11.7	Bottom	3	1	18.99	8.26	30.28	92.4	7.16	1.7	4.8	
HKLR	HY/2011/03	2013-02-06	Mid-Ebb	Fine	CS(Mf)5	09:39:52	11.7	Bottom	3	2	19	8.26	30.27	92.8	7.2	1.7	5.5	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS5	13:45:45	1.0	Surface	1	1	20.18	8.29	28.56	102.3	7.83	3.8	4.5	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS5	13:46:29	1.0	Surface	1	2	20.11	8.29	28.56	102.1	7.83	3.7	3.1	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS5	13:45:31	4.0	Middle	2	1	19.9	8.29	28.58	101.1	7.78	3.4	3.5	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS5	13:46:13	4.0	Middle	2	2	19.9	8.29	28.57	101.1	7.78	3.5	4.2	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS5	13:45:21	7.0	Bottom	3	1	19.88	8.29	28.57	101.2	7.8	3.3	3.8	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS5	13:46:00	7.0	Bottom	3	2	19.87	8.29	28.57	101.3	7.8	3.5	3.3	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS(Mf)6	13:53:52	1.0	Surface	1	1	20.24	8.29	28.58	102.4	7.83	9.3	3.8	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS(Mf)6	13:53:26	1.0	Surface	1	2	20.08	8.29	28.58	102.1	7.83	9	4.6	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS(Mf)6	13:53:37	2.1	Bottom	3	1	19.97	8.29	28.57	101.8	7.82	8.5	5.7	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS(Mf)6	13:53:08	2.1	Bottom	3	2	19.98	8.29	28.56	101.4	7.79	8.4	5	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS7	14:00:58	1.0	Surface	1	1	20.18	8.32	28.28	106.8	8.19	3.2	4.7	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS7	14:00:33	1.0	Surface	1	2	20.14	8.32	28.3	106.7	8.19	3.2	3.8	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS7	14:00:44	2.2	Bottom	3	1	20.02	8.32	28.29	106.5	8.2	3.1	4.1	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS7	14:00:16	2.2	Bottom	3	2	20.01	8.32	28.29	106.2	8.17	3.2	3.6	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS8	14:26:05	1.0	Surface	1	1	20.4	8.32	28.41	106.5	8.13	3.9	3.5	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS8	14:25:40	1.0	Surface	1	2	20.32	8.32	28.39	106.5	8.15	3.9	3.3	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS8	14:25:26	2.9	Bottom	3	1	19.73	8.32	28.68	104.2	8.04	3.8	2.1	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS8	14:25:54	2.9	Bottom	3	2	19.79	8.32	28.66	105.2	8.11	3.7	2.9	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS(Mf)9	14:08:35	1.0	Surface	1	1	19.85	8.29	28.47	100.4	7.74	5.2	4	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS(Mf)9	14:08:03	1.0	Surface	1	2	19.81	8.29	28.5	99.9	7.7	5.1	3.9	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS(Mf)9	14:08:18	2.7	Bottom	3	1	19.76	8.28	28.56	99.8	7.7	5.3	6.6	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS(Mf)9	14:07:54	2.7	Bottom	3	2	19.77	8.28	28.57	100	7.72	5.5	6.6	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS10	15:11:21	1.0	Surface	1	1	20.89	8.15	27.71	102.6	7.79	2.3	3	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS10	15:12:49	1.0	Surface	1	2	20.84	8.15	27.7	102.6	7.8	2.2	3.1	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS10	15:12:24	5.6	Middle	2	1	19.81	8.15	29.43	98.5	7.56	2.5	4.3	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS10	15:10:58	5.6	Middle	2	2	19.76	8.15	29.45	97.8	7.51	2.7	3.5	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS10	15:10:37	10.2	Bottom	3	1	19.24	8.14	29.89	95.2	7.36	3.7	4.7	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	IS10	15:11:56	10.2	Bottom	3	2	19.27	8.14	29.87	95.1	7.35	3.8	3.6	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	SR3	13:37:54	0.6	Middle	2	1	20.45	8.32	28.56	102.8	7.83	2.7	4.7	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	SR3	13:38:09	0.6	Middle	2	2	20.46	8.31	28.55	103	7.85	2.6	3.1	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	SR4	14:19:11	1.0	Surface	1	1	20.39	8.29	28.36	102	7.79	4.6	3.2	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	SR4	14:19:43	1.0	Surface	1	2	20.28	8.29	28.42	102.2	7.82	4.6	2.7	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	SR4	14:19:01	2.8	Bottom	3	1	20.21	8.29	28.37	101.3	7.76	4.5	3	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	SR4	14:19:27	2.8	Bottom	3	2	20.29	8.29	28.33	101.7	7.78	4.6	4	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	SR5	15:00:30	1.0	Surface	1	1	20.47	8.15	28.14	102.9	7.86	1.6	2.2	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	SR5	14:59:31	1.0	Surface	1	2	20.41	8.15	28.19	103.1	7.87	1.5	2	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	SR5	14:59:08	4.5	Bottom	3	1	19.78	8.15	28.71	101.1	7.79	1.8	3.7	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	SR5	15:00:07	4.5	Bottom	3	2	19.72	8.15	28.79	101.1	7.8	2	3.6	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	SR10A	15:31:58	1.0	Surface	1	1	18.98	8.28	30.71	92.4	7.14	1.9	4.2	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	SR10A	15:32:38	1.0	Surface	1	2	18.98	8.27	30.71	92.3	7.14	2	4.3	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	SR10A	15:31:47	3.4	Middle	2	1	18.94	8.27	30.72	92.2	7.13	2.2	3.5	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	SR10A	15:32:24	3.4	Middle	2	2	18.94	8.27	30.73	91.9	7.11	2.1	3.3	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	SR10A	15:31:34	5.7	Bottom	3	1	18.96	8.28	30.72	92.4	7.14	2	3	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	SR10A	15:32:10	5.7	Bottom	3	2	18.95	8.27	30.72	92	7.12	2.1	3.1	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	SR10B	15:37:40	1.0	Surface	1	1	19.02	8.28	30.83	93.9	7.25	1.4	4.6	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	SR10B	15:37:08	1.0	Surface	1	2	19.03	8.28	30.83	94.1	7.26	1.3	3.1	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	SR10B	15:36:52	4.1	Bottom	3	1	19.03	8.28	30.82	94	7.25	1.4	3.2	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	SR10B	15:37:19	4.1	Bottom	3	2	19.02	8.28	30.83	93.9	7.25	1.3	3.9	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	CS2	13:48:33	1.0	Surface	1	1	19.85	8.18	28.34	102.6	7.92	1.5	2.3	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	CS2	13:47:15	1.0	Surface	1	2	19.87	8.18	28.29	103.5	7.98	1.6	3.6	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	CS2	13:48:09	3.8	Middle	2	1	19.05	8.2	29.8	100.4	7.8	2	2.8	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	CS2	13:46:49	3.8	Middle	2	2	19.07	8.21	29.77	100.3	7.79	1.9	3.8	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	CS2	13:47:45	6.6	Bottom	3	1	18.75	8.21	30.76	97.8	7.59	2.3	4	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	CS2	13:46:24	6.6	Bottom	3	2	18.79	8.22	30.67	97.2	7.54	2	4.9	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	CS(Mf)5	15:00:44	1.0	Surface	1	1	20.51	8.32	29.03	101.2	7.68	1.4	3.4	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	CS(Mf)5	14:59:54	1.0	Surface	1	2	19.86	8.32	29.35	99.7	7.64	1.4	3.6	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	CS(Mf)5	15:00:31	6.4	Middle	2	1	19.24	8.29	29.84	97.3	7.54	1.4	3.4	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	CS(Mf)5	14:59:43	6.4	Middle	2	2	19.21	8.29	29.9	96.3	7.46	1.4	4.2	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	CS(Mf)5	14:59:30	11.8	Bottom	3	1	19.03	8.27	30.28	95.7	7.4	1.4	4.4	
HKLR	HY/2011/03	2013-02-06	Mid-Flood	Sunny	CS(Mf)5	15:00:15	11.8	Bottom	3	2	19.04	8.27	30.28	96.3	7.44	1.4	4.3	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS5	13:05:51	1.0	Surface	1	1	19.46	8.35	29.07	101.1	7.82	4.8	6.7	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS5	13:05:04	1.0	Surface	1	2	19.46	8.35	29.07	101.1	7.82	4.9	7.2	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS5	13:04:49	4.4	Middle	2	1	19.44	8.35	29.07	100.6	7.79	5.5	7.1	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS5	13:05:37	4.4	Middle	2	2	19.45	8.35	29.07	100.7	7.79	5.6	6.5	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS5	13:05:25	7.7	Bottom	3	1	19.44	8.35	29.07	100.6	7.78	5.7	8.1	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS5	13:04:35	7.7	Bottom	3	2	19.42	8.35	29.08	100.4	7.78	5.5	8.8	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS(Mf)6	12:56:40	1.0	Surface	1	1	19.54	8.31	29.19	100.6	7.77	13.9	14	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS(Mf)6	12:57:01	1.0	Surface	1	2	19.54	8.31	29.19	100.6	7.76	13.4	13.6	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS(Mf)6	12:56:53	2.2	Bottom	3	1	19.54	8.31	29.2	100.5	7.76	13.5	16.4	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS(Mf)6	12:56:30	2.2	Bottom	3	2	19.54	8.31	29.19	100.6	7.77	13.6	17.9	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS7	12:50:10	1.0	Surface	1	1	19.5	8.32	29.23	100.6	7.77	5.5	13.1	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS7	12:49:44	1.0	Surface	1	2	19.5	8.32	29.23	100.7	7.78	5.6	13.2	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS7	12:49:58	2.2	Bottom	3	1	19.5	8.31	29.23	100.6	7.77	5.6	8.7	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS7	12:49:29	2.2	Bottom	3	2	19.51	8.32	29.23	100.7	7.78	5.7	8.1	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS8	12:26:51	1.0	Surface	1	1	19.4	8.31	29.34	99.5	7.69	3.7	6.3	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS8	12:26:24	1.0	Surface	1	2	19.39	8.31	29.35	99.5	7.69	3.8	6.9	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS8	12:26:36	3.0	Bottom	3	1	19.37	8.31	29.41	99.2	7.67	3.7	5.2	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS8	12:26:12	3.0	Bottom	3	2	19.35	8.31	29.43	99.2	7.68	4	5.1	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS(Mf)9	12:43:12	1.0	Surface	1	1	19.53	8.32	29.19	100.4	7.76	4.6	6.6	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS(Mf)9	12:43:33	1.0	Surface	1	2	19.56	8.32	29.16	100.4	7.75	4.9	7.8	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS(Mf)9	12:43:02	2.4	Bottom	3	1	19.49	8.32	29.23	100.4	7.76	4.8	5.6	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS(Mf)9	12:43:23	2.4	Bottom	3	2	19.54	8.32	29.18	100.4	7.75	4.8	6.3	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS10	12:03:03	1.0	Surface	1	1	19.47	8.2	29.72	99.5	7.67	2.8	6.9	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS10	12:02:27	1.0	Surface	1	2	19.46	8.2	29.72	99.6	7.68	2.7	7.4	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS10	12:02:55	5.8	Middle	2	1	19.45	8.2	29.77	99.2	7.64	2.8	6.9	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS10	12:02:16	5.8	Middle	2	2	19.44	8.19	29.84	99.2	7.64	2.8	6.2	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS10	12:02:04	10.6	Bottom	3	1	19.39	8.19	30.06	99	7.63	3	7.4	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	IS10	12:02:43	10.6	Bottom	3	2	19.4	8.19	30.01	99.1	7.64	2.9	6.8	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	SR3	13:11:35	0.6	Middle	2	1	19.79	8.34	28.99	102.3	7.87	3.9	7.4	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	SR3	13:11:44	0.6	Middle	2	2	19.76	8.34	28.99	102.3	7.87	3.8	6	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	SR4	12:32:32	1.0	Surface	1	1	19.44	8.28	29.42	97.4	7.53	4.9	6.5	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	SR4	12:32:10	1.0	Surface	1	2	19.44	8.28	29.42	97.5	7.53	5.1	6.6	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	SR4	12:32:20	2.9	Bottom	3	1	19.44	8.28	29.42	97.3	7.52	5	6.5	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	SR4	12:31:55	2.9	Bottom	3	2	19.44	8.28	29.43	97.5	7.53	4.8	6	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	SR5	12:09:44	1.0	Surface	1	1	19.45	8.18	29.84	99.8	7.68	3.8	9.5	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	SR5	12:09:56	1.0	Surface	1	2	19.45	8.18	29.85	99.3	7.65	4	8.2	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	SR5	12:09:34	4.5	Bottom	3	1	19.45	8.18	29.85	100.4	7.73	4	11.8	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	SR5	12:09:49	4.5	Bottom	3	2	19.45	8.18	29.85	99.5	7.67	4.2	10.4	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	SR10A	11:19:47	1.0	Surface	1	1	19.06	8.25	30.77	92.8	7.16	2.2	4.7	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	SR10A	11:20:32	1.0	Surface	1	2	19.05	8.25	30.79	92.7	7.16	2.4	3.9	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	SR10A	11:19:33	3.2	Middle	2	1	19.06	8.25	30.77	92.7	7.15	2.3	4.4	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	SR10A	11:20:21	3.2	Middle	2	2	19.05	8.25	30.79	92.6	7.14	2.4	5.5	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	SR10A	11:20:09	5.4	Bottom	3	1	19.05	8.25	30.79	92.5	7.14	2.2	4.2	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	SR10A	11:19:18	5.4	Bottom	3	2	19.05	8.25	30.78	92.6	7.15	2.3	5.7	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	SR10B	11:14:06	1.0	Surface	1	1	18.93	8.23	31.01	91.8	7.09	3.2	4.2	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	SR10B	11:13:40	1.0	Surface	1	2	18.93	8.24	31.01	91.8	7.09	3	4.3	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	SR10B	11:13:54	4.1	Bottom	3	1	18.93	8.23	31.02	91.6	7.07	3.1	4.3	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	SR10B	11:13:27	4.1	Bottom	3	2	18.94	8.24	31.01	91.6	7.08	2.9	5.4	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	CS2	13:12:19	1.0	Surface	1	1	19.45	8.2	29.82	99	7.63	2.5	5	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	CS2	13:11:45	1.0	Surface	1	2	19.42	8.19	29.89	98.4	7.58	2.4	6.6	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	CS2	13:11:40	4.1	Middle	2	1	19.37	8.18	30.07	97.6	7.52	2.6	6	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	CS2	13:12:11	4.1	Middle	2	2	19.42	8.19	29.93	98	7.55	2.5	7.4	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	CS2	13:11:35	7.2	Bottom	3	1	19.35	8.17	30.26	97.2	7.48	2.7	8.9	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	CS2	13:12:01	7.2	Bottom	3	2	19.34	8.17	30.45	98	7.54	2.6	9	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	CS(Mf)5	11:53:27	1.0	Surface	1	1	19.17	8.28	30.47	95.1	7.34	2.2	4.2	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	CS(Mf)5	11:54:16	1.0	Surface	1	2	19.17	8.28	30.47	95.2	7.34	2.1	3.8	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	CS(Mf)5	11:53:13	6.2	Middle	2	1	19.16	8.27	30.51	94.4	7.28	2.1	4.5	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	CS(Mf)5	11:54:01	6.2	Middle	2	2	19.17	8.27	30.5	94.4	7.28	2.1	3.8	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	CS(Mf)5	11:53:48	11.4	Bottom	3	1	19.15	8.27	30.56	94.4	7.28	2	3.7	
HKLR	HY/2011/03	2013-02-08	Mid-Ebb	Cloudy	CS(Mf)5	11:53:00	11.4	Bottom	3	2	19.14	8.27	30.58	94.5	7.29	2.2	3.9	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS5	15:58:12	1.0	Surface	1	1	19.56	8.33	29.14	101.3	7.82	5.7	7.9	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS5	15:57:36	1.0	Surface	1	2	19.57	8.33	29.14	101.5	7.84	5.9	7.8	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS5	15:57:23	4.4	Middle	2	1	19.58	8.33	29.14	101.2	7.81	6.1	6.4	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS5	15:57:57	4.4	Middle	2	2	19.57	8.33	29.14	101.1	7.8	5.8	7.3	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS5	15:57:46	7.7	Bottom	3	1	19.58	8.33	29.15	101.1	7.8	5.8	8.7	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS5	15:57:11	7.7	Bottom	3	2	19.57	8.33	29.16	100.8	7.78	6.1	9.4	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS(Mf)6	16:05:14	1.0	Surface	1	1	19.67	8.34	29.03	101.5	7.83	7.6	7.4	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS(Mf)6	16:05:37	1.0	Surface	1	2	19.67	8.34	29.02	101.5	7.82	7.4	8.5	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS(Mf)6	16:05:26	2.0	Bottom	3	1	19.66	8.34	29.03	101.4	7.82	6.9	10.9	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS(Mf)6	16:05:01	2.0	Bottom	3	2	19.67	8.34	29.03	101.4	7.82	7	11.2	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS7	16:13:40	1.0	Surface	1	1	19.6	8.33	29.1	100.7	7.77	6.5	9	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS7	16:13:11	1.0	Surface	1	2	19.6	8.33	29.1	100.8	7.78	6.7	9.6	

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	2013-02-08	Mid-Flood	Cloudy	IS7	16:13:26	2.3	Bottom	3	1	19.59	8.33	29.12	100.7	7.77	6.6	10.6	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS7	16:13:00	2.3	Bottom	3	2	19.6	8.33	29.11	100.8	7.78	6.7	11.4	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS8	16:36:02	1.0	Surface	1	1	19.28	8.33	29.43	99.5	7.71	4.6	7.8	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS8	16:36:29	1.0	Surface	1	2	19.28	8.33	29.43	99.5	7.71	4.6	7.5	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS8	16:36:14	2.8	Bottom	3	1	19.29	8.33	29.43	99.4	7.7	4.9	7.2	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS8	16:35:48	2.8	Bottom	3	2	19.29	8.33	29.44	99.4	7.7	4.7	6.2	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS(Mf)9	16:20:49	1.0	Surface	1	1	19.28	8.34	29.34	100.9	7.82	5.7	5.5	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS(Mf)9	16:20:26	1.0	Surface	1	2	19.28	8.34	29.36	100.8	7.81	5.7	5.5	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS(Mf)9	16:20:15	2.5	Bottom	3	1	19.28	8.34	29.36	100.8	7.81	5.7	6.4	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS(Mf)9	16:20:37	2.5	Bottom	3	2	19.28	8.34	29.36	100.7	7.81	5.9	6.5	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS10	16:31:34	1.0	Surface	1	1	19.36	8.2	30.08	98.6	7.6	2.5	6.1	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS10	16:32:04	1.0	Surface	1	2	19.36	8.2	30.08	98.7	7.61	2.4	7.4	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS10	16:31:57	5.6	Middle	2	1	19.36	8.2	30.11	98.5	7.59	2.5	8.3	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS10	16:31:28	5.6	Middle	2	2	19.36	8.2	30.14	98.3	7.58	2.6	8	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS10	16:31:19	10.2	Bottom	3	1	19.35	8.2	30.22	98.3	7.57	2.8	9.7	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	IS10	16:31:48	10.2	Bottom	3	2	19.35	8.2	30.24	98.3	7.57	2.6	8.8	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	SR3	15:49:58	0.7	Middle	2	1	19.51	8.36	29.07	102	7.88	4.1	6.8	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	SR3	15:50:06	0.7	Middle	2	2	19.51	8.36	29.07	102	7.88	4.1	7.7	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	SR4	16:30:35	1.0	Surface	1	1	19.3	8.32	29.56	99.3	7.68	4.4	4.2	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	SR4	16:31:00	1.0	Surface	1	2	19.31	8.32	29.56	99.1	7.67	4.6	4.6	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	SR4	16:30:25	2.9	Bottom	3	1	19.3	8.32	29.56	99.2	7.68	4.5	5.4	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	SR4	16:30:47	2.9	Bottom	3	2	19.31	8.32	29.56	99.1	7.67	4.4	4.7	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	SR5	16:21:10	1.0	Surface	1	1	19.38	8.19	29.99	98.4	7.59	5.7	14.1	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	SR5	16:21:26	1.0	Surface	1	2	19.38	8.19	29.99	98.4	7.58	5.6	15.3	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	SR5	16:21:04	4.5	Bottom	3	1	19.37	8.19	29.99	98.5	7.59	6	14.6	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	SR5	16:21:17	4.5	Bottom	3	2	19.38	8.19	30.01	98.4	7.58	5.9	14.4	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	SR10A	17:44:49	1.0	Surface	1	1	18.99	8.28	30.87	92.4	7.14	2.5	2.4	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	SR10A	17:44:10	1.0	Surface	1	2	18.99	8.29	30.88	92.5	7.15	2.5	3.6	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	SR10A	17:44:02	3.3	Middle	2	1	18.98	8.29	30.88	92.4	7.14	2.6	4.7	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	SR10A	17:44:38	3.3	Middle	2	2	18.99	8.29	30.88	92.4	7.14	2.4	4.1	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	SR10A	17:43:48	5.5	Bottom	3	1	18.98	8.28	30.9	92.4	7.13	2.6	4.1	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	SR10A	17:44:23	5.5	Bottom	3	2	18.99	8.28	30.87	92.3	7.13	2.5	5.8	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	SR10B	17:49:26	1.0	Surface	1	1	18.91	8.29	30.99	92.8	7.18	2.4	4.4	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	SR10B	17:50:00	1.0	Surface	1	2	18.91	8.29	30.99	92.7	7.16	2.5	3.8	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	SR10B	17:49:02	4.3	Bottom	3	1	18.91	8.28	30.99	92.7	7.16	2.5	5	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	SR10B	17:49:42	4.3	Bottom	3	2	18.91	8.29	30.99	92.6	7.15	2.5	4.5	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	CS2	15:22:45	1.0	Surface	1	1	19.37	8.22	29.97	99	7.63	2.7	4.7	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	CS2	15:23:36	1.0	Surface	1	2	19.37	8.22	29.94	99.9	7.71	2.6	5.4	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	CS2	15:23:26	4.1	Middle	2	1	19.37	8.22	29.98	98.7	7.61	2.7	4.3	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	CS2	15:22:40	4.1	Middle	2	2	19.36	8.21	30.04	98.1	7.56	2.7	5.5	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	CS2	15:22:30	7.2	Bottom	3	1	19.33	8.19	30.46	97.7	7.52	3	7.7	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	CS2	15:23:13	7.2	Bottom	3	2	19.33	8.19	30.45	98	7.54	2.8	6.1	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	CS(Mf)5	17:11:28	1.0	Surface	1	1	19.2	8.31	30.26	95.8	7.4	1.6	4.8	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	CS(Mf)5	17:10:47	1.0	Surface	1	2	19.21	8.31	30.26	96.4	7.44	1.7	3.2	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	CS(Mf)5	17:10:29	6	Middle	2	1	19.11	8.29	30.58	94.1	7.26	2.1	4.5	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	CS(Mf)5	17:11:15	6	Middle	2	2	19.1	8.29	30.61	94.3	7.28	2.2	5	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	CS(Mf)5	17:11:02	11	Bottom	3	1	19.08	8.29	30.69	95.2	7.35	2.2	5.2	
HKLR	HY/2011/03	2013-02-08	Mid-Flood	Cloudy	CS(Mf)5	17:10:12	11	Bottom	3	2	19.06	8.29	30.75	94.5	7.3	2.2	5.8	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS5	12:35:26	1.0	Surface	1	1	18.48	8.32	29.75	96.8	7.6	3.7	6.8	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS5	12:35:45	1.0	Surface	1	2	18.48	8.32	29.75	96.8	7.59	3.8	5.1	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS5	12:35:40	4.6	Middle	2	1	18.48	8.32	29.76	96.7	7.59	3.9	5.6	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS5	12:35:18	4.6	Middle	2	2	18.48	8.32	29.76	96.7	7.59	3.8	6.8	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS5	12:35:35	8.2	Bottom	3	1	18.49	8.32	29.75	96.8	7.59	4	7.4	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS5	12:35:13	8.2	Bottom	3	2	18.48	8.32	29.75	96.7	7.59	3.9	8.6	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS(Mf)6	12:42:15	1.0	Surface	1	1	18.66	8.33	29.57	99.5	7.79	8.3	6	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS(Mf)6	12:42:07	1.0	Surface	1	2	18.66	8.33	29.57	99.7	7.81	8.5	7.1	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS(Mf)6	12:42:11	2.4	Bottom	3	1	18.66	8.33	29.56	99.6	7.8	10	2.7	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS(Mf)6	12:42:03	2.4	Bottom	3	2	18.66	8.33	29.56	99.9	7.82	9.9	4.1	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS7	12:49:11	1.0	Surface	1	1	18.72	8.34	29.51	101.4	7.93	4.4	5.8	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS7	12:49:22	1.0	Surface	1	2	18.73	8.34	29.5	101.3	7.93	4.3	6.8	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS7	12:49:15	2.4	Bottom	3	1	18.74	8.34	29.5	101.3	7.92	4.4	6.8	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS7	12:49:07	2.4	Bottom	3	2	18.74	8.34	29.5	101.4	7.93	4.3	7.5	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS8	13:13:31	1.0	Surface	1	1	18.83	8.34	29.72	100.3	7.82	3.4	5.2	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS8	13:13:41	1.0	Surface	1	2	18.85	8.34	29.72	100.4	7.83	3.2	6.5	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS8	13:13:26	2.6	Bottom	3	1	18.85	8.33	29.72	100.3	7.82	3.5	4.9	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS8	13:13:36	2.6	Bottom	3	2	18.85	8.34	29.72	100.3	7.82	3.3	5	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS(Mf)9	12:56:08	1.0	Surface	1	1	18.72	8.33	29.56	99.7	7.8	5.3	4.2	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS(Mf)9	12:55:52	1.0	Surface	1	2	18.7	8.33	29.56	99.8	7.81	5.4	4.4	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS(Mf)9	12:55:48	2.4	Bottom	3	1	18.71	8.33	29.55	99.8	7.81	5.6	6	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS(Mf)9	12:56:03	2.4	Bottom	3	2	18.7	8.33	29.57	99.7	7.8	5.5	5.6	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS10	13:50:33	1.0	Surface	1	1	18.86	8.16	30.02	97.2	7.56	2	4	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS10	13:51:17	1.0	Surface	1	2	18.91	8.15	29.99	97.2	7.56	2	5.1	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS10	13:51:03	5.1	Middle	2	1	18.52	8.17	30.33	96.1	7.51	2	4.8	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS10	13:50:20	5.1	Middle	2	2	18.51	8.17	30.34	96.1	7.52	2	6	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS10	13:50:48	9.2	Bottom	3	1	18.46	8.17	30.44	95.7	7.48	2	5.7	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	IS10	13:50:05	9.2	Bottom	3	2	18.43	8.17	30.46	95.7	7.49	2	6.9	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	SR3	12:26:07	0.8	Middle	2	1	18.52	8.31	29.69	97.6	7.66	3.3	6.6	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	SR3	12:26:05	0.8	Middle	2	2	18.53	8.31	29.68	97.7	7.67	3.3	6.3	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	SR4	13:04:37	1.0	Surface	1	1	18.76	8.34	29.78	100.5	7.85	3.4	6.4	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	SR4	13:04:28	1.0	Surface	1	2	18.77	8.34	29.78	100.4	7.84	3.3	7.7	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	SR4	13:04:33	2.4	Bottom	3	1	18.81	8.34	29.75	100.5	7.84	4	5.8	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	SR4	13:04:24	2.4	Bottom	3	2	18.81	8.34	29.74	100.5	7.84	4.1	6.2	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	SR5	13:41:30	1.0	Surface	1	1	18.74	8.15	30.19	96.2	7.49	2.2	6.6	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	SR5	13:42:03	1.0	Surface	1	2	18.76	8.15	30.19	96.1	7.49	2.2	6.5	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	SR5	13:41:50	3.5	Bottom	3	1	18.52	8.15	30.32	95.5	7.46	2.2	8.8	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	SR5	13:41:19	3.5	Bottom	3	2	18.57	8.15	30.29	95.8	7.48	2.4	10.1	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	SR10A	14:09:52	1.0	Surface	1	1	18.47	8.3	30.64	91.9	7.18	2	4.8	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	SR10A	14:09:30	1.0	Surface	1	2	18.45	8.3	30.67	92.1	7.19	2.2	6.5	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	SR10A	14:09:22	3.3	Middle	2	1	18.46	8.3	30.65	92.2	7.2	2.2	4.3	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	SR10A	14:09:45	3.3	Middle	2	2	18.45	8.3	30.66	92	7.18	2.2	5.4	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	SR10A	14:09:37	5.5	Bottom	3	1	18.47	8.3	30.64	92	7.18	2.2	6.4	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	SR10A	14:09:09	5.5	Bottom	3	2	18.46	8.3	30.66	92.6	7.23	2.3	7.7	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	SR10B	14:16:57	1.0	Surface	1	1	18.64	8.3	30.51	93.6	7.29	2.1	6.2	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	SR10B	14:17:10	1.0	Surface	1	2	18.63	8.3	30.52	93.4	7.28	2.2	5.3	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	SR10B	14:16:50	4.6	Bottom	3	1	18.64	8.3	30.51	93.6	7.29	2.1	4.2	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	SR10B	14:17:02	4.6	Bottom	3	2	18.63	8.3	30.52	93.5	7.28	2.2	3.3	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	CS2	12:22:59	1.0	Surface	1	1	18.67	8.18	30.32	97.8	7.62	2.1	3	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	CS2	12:22:10	1.0	Surface	1	2	18.66	8.18	30.32	97.7	7.62	2.1	4.6	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	CS2	12:21:57	3.9	Middle	2	1	18.57	8.18	30.35	96.8	7.56	2.1	6.4	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	CS2	12:22:44	3.9	Middle	2	2	18.48	8.18	30.4	96.7	7.56	2	7.4	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	CS2	12:22:26	6.8	Bottom	3	1	18.42	8.18	30.45	96.7	7.57	2.2	6.5	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	CS2	12:21:37	6.8	Bottom	3	2	18.39	8.17	30.47	96.6	7.57	2.1	8	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	CS(Mf)5	13:43:48	1.0	Surface	1	1	18.9	8.31	30.14	96.1	7.47	2.2	5.8	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	CS(Mf)5	13:44:08	1.0	Surface	1	2	18.91	8.31	30.12	96.2	7.48	2.2	4.2	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	CS(Mf)5	13:43:42	6.7	Middle	2	1	18.86	8.31	30.16	95.9	7.46	2.1	5.5	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	CS(Mf)5	13:44:03	6.7	Middle	2	2	18.9	8.31	30.13	96.1	7.47	2.2	5.2	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	CS(Mf)5	13:43:36	12.4	Bottom	3	1	18.87	8.31	30.15	96	7.46	2.2	5.4	
HKLR	HY/2011/03	2013-02-11	Mid-Ebb	Sunny	CS(Mf)5	13:43:56	12.4	Bottom	3	2	18.91	8.31	30.13	96	7.46	2.2	6.4	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS5	08:56:13	1.0	Surface	1	1	18.55	8.32	29.7	97.3	7.63	3.3	5.2	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS5	08:56:33	1.0	Surface	1	2	18.55	8.32	29.69	97.3	7.63	3.1	4.5	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS5	08:56:08	4.5	Middle	2	1	18.53	8.32	29.74	97.2	7.62	3.3	4.9	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS5	08:56:27	4.5	Middle	2	2	18.55	8.32	29.7	97.2	7.62	3.1	6.4	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS5	08:56:21	8.0	Bottom	3	1	18.56	8.32	29.7	97.2	7.62	3.2	4.9	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS5	08:56:01	8.0	Bottom	3	2	18.56	8.32	29.71	97.3	7.62	3.4	5.9	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS(Mf)6	08:48:34	1.0	Surface	1	1	18.57	8.32	29.55	98.4	7.72	4	4.9	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS(Mf)6	08:48:21	1.0	Surface	1	2	18.56	8.32	29.55	98.5	7.73	4.1	5.2	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS(Mf)6	08:48:16	2.4	Bottom	3	1	18.57	8.32	29.55	98.4	7.72	4.2	4.3	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS(Mf)6	08:48:27	2.4	Bottom	3	2	18.57	8.32	29.55	98.4	7.72	4.3	4.7	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS7	08:41:51	1.0	Surface	1	1	18.63	8.33	29.5	100.1	7.85	4.2	7.1	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS7	08:41:38	1.0	Surface	1	2	18.64	8.33	29.5	100.2	7.86	4.3	7.1	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS7	08:41:31	2.4	Bottom	3	1	18.64	8.33	29.49	100.1	7.85	4.4	5.7	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS7	08:41:44	2.4	Bottom	3	2	18.64	8.33	29.5	100.1	7.85	4.5	7.2	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS8	08:16:53	1.0	Surface	1	1	18.58	8.33	29.82	98.4	7.7	3.3	5	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS8	08:16:42	1.0	Surface	1	2	18.58	8.33	29.82	98.4	7.71	3.3	6.4	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS8	08:16:35	2.6	Bottom	3	1	18.59	8.33	29.81	98.2	7.69	3.3	5.6	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS8	08:16:47	2.6	Bottom	3	2	18.59	8.33	29.8	98.2	7.69	3.4	6.9	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS(Mf)9	08:34:17	1.0	Surface	1	1	18.57	8.32	29.6	98.5	7.72	2.6	7.7	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS(Mf)9	08:34:28	1.0	Surface	1	2	18.58	8.32	29.59	98.4	7.72	2.6	6	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS(Mf)9	08:34:12	2.4	Bottom	3	1	18.58	8.32	29.59	98.6	7.73	2.7	5.6	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS(Mf)9	08:34:22	2.4	Bottom	3	2	18.58	8.32	29.59	98.4	7.72	2.6	4.5	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS10	08:39:31	1.0	Surface	1	1	18.7	8.16	30.2	96.1	7.49	2.2	5.8	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS10	08:40:19	1.0	Surface	1	2	18.71	8.16	30.2	96.1	7.49	2.2	4.8	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS10	08:40:05	5.4	Middle	2	1	18.42	8.16	30.28	95.1	7.45	2.4	4.9	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS10	08:39:17	5.4	Middle	2	2	18.42	8.16	30.28	95.1	7.45	2.4	5.9	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS10	08:38:58	9.8	Bottom	3	1	18.41	8.16	30.39	95.4	7.47	2.2	5.9	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	IS10	08:39:48	9.8	Bottom	3	2	18.42	8.16	30.38	95.2	7.45	2.2	7.4	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	SR3	09:04:33	0.8	Middle	2	1	18.55	8.32	29.65	97.3	7.64	3.6	5.5	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	SR3	09:04:36	0.8	Middle	2	2	18.55	8.32	29.66	97.4	7.64	3.5	5.7	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	SR4	08:25:18	1.0	Surface	1	1	18.62	8.33	29.82	98.3	7.69	3.2	7.1	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	SR4	08:25:08	1.0	Surface	1	2	18.63	8.32	29.82	98.3	7.69	3.1	7.4	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	SR4	08:25:03	2.4	Bottom	3	1	18.64	8.32	29.81	98.3	7.69	3.2	4.7	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	SR4	08:25:13	2.4	Bottom	3	2	18.64	8.32	29.8	98.3	7.69	3.3	5.5	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	SR5	08:49:25	1.0	Surface	1	1	18.62	8.15	30.23	95.1	7.43	2.2	5	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	SR5	08:48:56	1.0	Surface	1	2	18.59	8.15	30.25	95.1	7.43	2.3	6.1	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	SR5	08:49:07	3.6	Bottom	3	1	18.46	8.16	30.33	94.5	7.39	2.4	6.5	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	SR5	08:48:44	3.6	Bottom	3	2	18.44	8.16	30.33	94.6	7.41	2.4	7.2	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	SR10A	07:14:29	1.0	Surface	1	1	18.36	8.28	30.89	90.6	7.08	2.9	7.7	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	SR10A	07:14:06	1.0	Surface	1	2	18.37	8.27	30.87	90.6	7.08	2.9	6.4	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	SR10A	07:14:24	3.3	Middle	2	1	18.35	8.28	30.91	90.5	7.07	3	5.2	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	SR10A	07:14:00	3.3	Middle	2	2	18.36	8.27	30.89	90.5	7.07	3	6.6	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	SR10A	07:13:53	5.5	Bottom	3	1	18.42	8.27	30.82	90.4	7.06	3.1	6.4	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	SR10A	07:14:16	5.5	Bottom	3	2	18.36	8.27	30.89	90.5	7.07	3	6.7	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	SR10B	07:09:05	1.0	Surface	1	1	18.35	8.27	30.97	91.1	7.12	3	6.4	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	SR10B	07:08:51	1.0	Surface	1	2	18.35	8.27	30.97	91.2	7.13	2.9	8.1	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	SR10B	07:08:45	4.6	Bottom	3	1	18.35	8.27	30.97	91.3	7.13	2.9	6.3	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	SR10B	07:08:57	4.6	Bottom	3	2	18.35	8.27	30.97	91.1	7.12	3	7.5	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	CS2	10:02:15	1.0	Surface	1	1	18.61	8.18	30.33	97.7	7.62	1.9	6	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	CS2	10:01:35	1.0	Surface	1	2	18.63	8.18	30.32	97.6	7.62	1.9	5.5	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	CS2	10:02:05	4.0	Middle	2	1	18.56	8.18	30.35	97.1	7.58	2	7.8	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	CS2	10:01:19	4.0	Middle	2	2	18.48	8.18	30.39	96.6	7.56	2	7.8	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	CS2	10:01:50	7.0	Bottom	3	1	18.42	8.17	30.45	96.8	7.57	2.1	6.4	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	CS2	10:01:03	7.0	Bottom	3	2	18.38	8.17	30.47	96.6	7.57	2.2	5.1	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	CS(Mf)5	07:44:27	1.0	Surface	1	1	18.58	8.28	30.48	92.5	7.22	2	4.9	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	CS(Mf)5	07:44:01	1.0	Surface	1	2	18.47	8.28	30.61	92.4	7.22	2	4.1	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	CS(Mf)5	07:44:20	6.7	Middle	2	1	18.46	8.28	30.62	92.1	7.19	2	7.3	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	CS(Mf)5	07:43:55	6.7	Middle	2	2	18.45	8.28	30.65	92.3	7.21	2	5.4	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	CS(Mf)5	07:44:09	12.4	Bottom	3	1	18.46	8.28	30.63	92.2	7.2	2.1	6.1	
HKLR	HY/2011/03	2013-02-11	Mid-Flood	Sunny	CS(Mf)5	07:43:48	12.4	Bottom	3	2	18.48	8.28	30.63	92.7	7.24	2.2	5.1	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS5	14:24:02	1.0	Surface	1	1	18.8	8.36	30.04	100.7	7.85	3.4	3	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS5	14:22:48	1.0	Surface	1	2	18.79	8.36	30.04	100.7	7.85	3.6	3.3	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS5	14:23:41	4.7	Middle	2	1	18.78	8.36	30.04	100.3	7.83	3.5	4.3	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS5	14:22:26	4.7	Middle	2	2	18.78	8.36	30.04	100.4	7.83	3.2	3.2	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS5	14:23:19	8.4	Bottom	3	1	18.78	8.36	30.04	100.1	7.81	3.7	3.4	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS5	14:22:05	8.4	Bottom	3	2	18.78	8.36	30.05	100.3	7.82	3.5	3.2	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS(Mf)6	14:31:45	1.0	Surface	1	1	18.87	8.37	30	102.5	8	3.5	2.7	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS(Mf)6	14:31:08	1.0	Surface	1	2	18.86	8.37	30	102.5	7.99	3.2	4.4	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS(Mf)6	14:31:29	2.2	Bottom	3	1	18.82	8.37	29.99	102.3	7.99	3.7	3.1	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS(Mf)6	14:30:48	2.2	Bottom	3	2	18.84	8.37	29.99	102.4	7.99	3.3	2.7	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS7	14:40:05	1.0	Surface	1	1	19.03	8.37	29.71	104.6	8.14	3.4	3.2	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS7	14:39:14	1.0	Surface	1	2	19.03	8.37	29.7	104.7	8.14	3.4	3.7	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS7	14:39:47	2.4	Bottom	3	1	18.97	8.37	29.82	105.1	8.18	3.5	3	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS7	14:38:55	2.4	Bottom	3	2	18.97	8.36	29.81	105.1	8.18	3.7	4	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS8	15:08:20	1.0	Surface	1	1	18.99	8.38	29.74	104	8.1	3.6	2.2	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS8	15:09:09	1.0	Surface	1	2	19.01	8.38	29.75	104.1	8.1	3.5	2.5	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS8	15:08:48	2.7	Bottom	3	1	18.93	8.38	29.72	103.8	8.09	3.3	2.3	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS8	15:08:02	2.7	Bottom	3	2	18.92	8.38	29.72	103.6	8.08	3.4	2.1	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS(Mf)9	14:48:07	1.0	Surface	1	1	18.95	8.37	29.67	103.7	8.08	3.7	4.2	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS(Mf)9	14:47:21	1.0	Surface	1	2	18.93	8.37	29.69	103.3	8.06	3.6	3.6	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS(Mf)9	14:47:50	2.3	Bottom	3	1	18.91	8.37	29.68	104.4	8.14	3.6	2.8	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS(Mf)9	14:47:03	2.3	Bottom	3	2	18.91	8.37	29.7	103.8	8.1	3.5	3.4	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS10	15:15:14	1.0	Surface	1	1	18.82	8.17	30.04	97.5	7.59	2.6	3.9	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS10	15:16:04	1.0	Surface	1	2	18.78	8.17	30.04	97.2	7.58	2.6	4.2	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS10	15:15:48	5.1	Middle	2	1	18.73	8.16	30.07	96.4	7.52	2.7	5.5	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS10	15:14:59	5.1	Middle	2	2	18.73	8.16	30.06	96.6	7.53	2.6	4.8	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS10	15:15:36	9.1	Bottom	3	1	18.72	8.16	30.12	96.4	7.52	2.7	3.7	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	IS10	15:14:45	9.1	Bottom	3	2	18.73	8.16	30.12	96.7	7.54	2.6	4	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	SR3	14:06:16	0.7	Middle	2	1	18.88	8.35	30.05	102.2	7.96	3.6	3.3	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	SR3	14:06:02	0.7	Middle	2	2	18.87	8.35	30.05	102.2	7.97	3.4	3.5	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	SR4	14:57:59	1.0	Surface	1	1	18.98	8.37	29.7	104	8.1	3.3	3.2	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	SR4	14:57:16	1.0	Surface	1	2	18.97	8.38	29.71	103.9	8.1	3.2	4.3	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	SR4	14:57:40	2.4	Bottom	3	1	18.91	8.38	29.7	104.3	8.14	3.5	2.7	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	SR4	14:56:59	2.4	Bottom	3	2	18.92	8.38	29.7	104.4	8.14	3.5	3.4	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	SR5	15:07:31	1.0	Surface	1	1	18.72	8.15	29.96	96.8	7.55	2.7	4.3	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	SR5	15:07:58	1.0	Surface	1	2	18.73	8.16	29.96	96.7	7.55	2.7	4	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	SR5	15:07:45	3.4	Bottom	3	1	18.72	8.15	29.97	96.6	7.54	2.6	3.8	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	SR5	15:07:13	3.4	Bottom	3	2	18.72	8.15	29.97	96.8	7.56	2.7	4	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	SR10A	16:10:49	1.0	Surface	1	1	18.61	8.34	31	95.3	7.42	2.4	2.8	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	SR10A	16:11:57	1.0	Surface	1	2	18.6	8.34	31.01	95	7.4	2.5	2.1	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	SR10A	16:11:37	3.2	Middle	2	1	18.57	8.34	31.04	94.7	7.38	2.4	2.5	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	SR10A	16:10:26	3.2	Middle	2	2	18.57	8.34	31.02	95	7.4	2.5	2.8	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	SR10A	16:11:21	5.4	Bottom	3	1	18.51	8.34	31.08	95.2	7.42	2.6	2	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	SR10A	16:10:00	5.4	Bottom	3	2	18.52	8.34	31.06	95.4	7.43	2.7	2	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	SR10B	16:22:13	1.0	Surface	1	1	18.56	8.34	31.05	95.5	7.44	2.4	2.4	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	SR10B	16:23:00	1.0	Surface	1	2	18.57	8.34	31.04	95.4	7.44	2.2	3.2	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	SR10B	16:21:54	4.1	Bottom	3	1	18.55	8.34	31.05	95	7.4	2.5	2.6	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	SR10B	16:22:43	4.1	Bottom	3	2	18.53	8.34	31.05	94.8	7.39	2.4	2.7	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	CS2	13:43:10	1.0	Surface	1	1	18.86	8.17	30.09	98	7.63	2.5	4.6	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	CS2	13:42:24	1.0	Surface	1	2	18.88	8.17	30.08	98.1	7.63	2.5	5.9	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	CS2	13:42:54	3.9	Middle	2	1	18.78	8.17	30.11	97.5	7.59	2.6	5	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	CS2	13:42:03	3.9	Middle	2	2	18.78	8.17	30.1	97.5	7.59	2.8	4.6	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	CS2	13:41:37	6.8	Bottom	3	1	18.75	8.16	30.15	97.3	7.58	2.6	5.7	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	CS2	13:42:39	6.8	Bottom	3	2	18.76	8.17	30.15	97.2	7.57	2.6	4.9	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	CS(Mf)5	15:45:43	1.0	Surface	1	1	18.92	8.36	30.37	96.5	7.5	2.5	3.7	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	CS(Mf)5	15:44:27	1.0	Surface	1	2	18.93	8.36	30.37	96.7	7.52	2.3	3.6	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	CS(Mf)5	15:45:19	6.7	Middle	2	1	18.48	8.34	31.02	94.5	7.37	2.2	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	2013-02-13	Mid-Ebb	Sunny	CS(Mf)5	15:44:09	6.7	Middle	2	2	18.48	8.34	31.02	94.5	7.38	2.4	2.8	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	CS(Mf)5	15:43:43	12.4	Bottom	3	1	18.49	8.34	31.01	95.5	7.45	2	3.5	
HKLR	HY/2011/03	2013-02-13	Mid-Ebb	Sunny	CS(Mf)5	15:44:58	12.4	Bottom	3	2	18.48	8.34	31.02	95	7.41	2	3.4	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS5	10:18:13	1.0	Surface	1	1	18.64	8.31	29.89	97.6	7.61	3.9	3	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS5	10:16:58	1.0	Surface	1	2	18.62	8.31	29.89	97.3	7.59	4	3.1	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS5	10:16:37	4.8	Middle	2	1	18.58	8.3	29.91	96.8	7.56	4.3	4.1	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS5	10:17:51	4.8	Middle	2	2	18.59	8.31	29.91	96.9	7.57	4.6	3.1	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS5	10:16:14	8.6	Bottom	3	1	18.58	8.3	29.91	96.7	7.55	5.4	3.4	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS5	10:17:31	8.6	Bottom	3	2	18.58	8.31	29.91	97	7.58	5.6	3.6	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS(Mf)6	10:06:33	1.0	Surface	1	1	18.67	8.32	29.85	99.9	7.79	3.5	2.5	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS(Mf)6	10:07:22	1.0	Surface	1	2	18.67	8.32	29.85	99.7	7.78	3.4	2.2	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS(Mf)6	10:07:02	2.4	Bottom	3	1	18.63	8.32	29.85	100.1	7.81	3.8	2.7	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS(Mf)6	10:06:11	2.4	Bottom	3	2	18.62	8.32	29.85	100.2	7.82	3.6	2.6	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS7	09:57:12	1.0	Surface	1	1	18.7	8.31	29.59	101.3	7.91	3	3.8	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS7	09:57:58	1.0	Surface	1	2	18.7	8.32	29.61	101.2	7.9	3.1	3.6	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS7	09:56:51	2.5	Bottom	3	1	18.68	8.31	29.68	101.2	7.9	3.1	2.8	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS7	09:57:42	2.5	Bottom	3	2	18.68	8.31	29.67	101.1	7.89	3.3	4.2	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS8	09:29:37	1.0	Surface	1	1	18.72	8.31	29.6	98.6	7.69	3.6	3.3	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS8	09:28:43	1.0	Surface	1	2	18.71	8.31	29.6	98.8	7.71	3.7	4.2	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS8	09:29:16	2.9	Bottom	3	1	18.67	8.31	29.61	98.5	7.7	4.1	3.9	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS8	09:28:22	2.9	Bottom	3	2	18.67	8.31	29.61	98.8	7.72	4	3.7	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS(Mf)9	09:49:34	1.0	Surface	1	1	18.71	8.32	29.53	99.8	7.79	3.8	3.1	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS(Mf)9	09:50:21	1.0	Surface	1	2	18.71	8.32	29.53	99.6	7.78	3.7	2.7	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS(Mf)9	09:49:14	2.5	Bottom	3	1	18.66	8.32	29.53	99.6	7.78	3.8	3.8	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS(Mf)9	09:50:04	2.5	Bottom	3	2	18.67	8.32	29.53	99.5	7.77	3.9	4.1	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS10	09:10:00	1.0	Surface	1	1	18.8	8.17	30.02	98	7.63	3.3	6.1	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS10	09:10:50	1.0	Surface	1	2	18.81	8.17	30.01	98.1	7.64	3.2	6.6	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS10	09:09:46	5.3	Middle	2	1	18.8	8.17	30.02	97.6	7.6	3.3	6.5	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS10	09:10:34	5.3	Middle	2	2	18.81	8.17	30.01	97.7	7.61	3.2	5.9	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS10	09:09:30	9.6	Bottom	3	1	18.75	8.16	30.08	97.3	7.59	3.2	6.3	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	IS10	09:10:17	9.6	Bottom	3	2	18.8	8.17	30	97.5	7.6	3.3	6.8	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	SR3	10:27:57	0.8	Middle	2	1	18.68	8.31	29.9	100	7.79	4.4	5.6	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	SR3	10:28:12	0.8	Middle	2	2	18.68	8.31	29.91	99.8	7.78	4.3	5.2	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	SR4	09:40:20	1.0	Surface	1	1	18.73	8.31	29.54	98.5	7.69	3.4	5.2	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	SR4	09:39:27	1.0	Surface	1	2	18.71	8.31	29.54	98.6	7.69	3.2	4.2	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	SR4	09:39:09	2.6	Bottom	3	1	18.69	8.31	29.54	98.9	7.72	3.6	4.3	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	SR4	09:40:02	2.6	Bottom	3	2	18.68	8.31	29.54	98.8	7.72	3.5	3.6	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	SR5	09:17:32	1.0	Surface	1	1	18.79	8.16	29.97	97.8	7.63	2.6	4.2	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	SR5	09:17:08	1.0	Surface	1	2	18.79	8.16	29.96	98.1	7.65	2.7	4.3	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	SR5	09:16:50	3.6	Bottom	3	1	18.77	8.16	29.99	97.9	7.63	2.8	3.7	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	SR5	09:17:18	3.6	Bottom	3	2	18.77	8.16	30.01	97.7	7.61	2.7	4.9	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	SR10A	08:23:37	1.0	Surface	1	1	18.28	8.27	30.97	91.1	7.11	4.1	4.2	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	SR10A	08:22:17	1.0	Surface	1	2	18.28	8.27	30.97	91.3	7.13	4.2	3.3	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	SR10A	08:22:09	3.3	Middle	2	1	18.28	8.27	30.97	91.6	7.15	4.4	3.6	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	SR10A	08:23:11	3.3	Middle	2	2	18.28	8.27	30.98	91.5	7.14	4.5	3.3	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	SR10A	08:21:48	5.6	Bottom	3	1	18.28	8.27	30.99	92.1	7.19	5.1	3.2	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	SR10A	08:22:51	5.6	Bottom	3	2	18.28	8.27	30.98	91.9	7.18	5.3	3.5	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	SR10B	08:10:28	1.0	Surface	1	1	18.22	8.24	31.09	91.9	7.18	2.7	3.9	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	SR10B	08:09:36	1.0	Surface	1	2	18.22	8.24	31.09	92.1	7.19	2.6	3.6	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	SR10B	08:09:18	4.4	Bottom	3	1	18.22	8.24	31.09	92.1	7.19	3.3	2.9	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	SR10B	08:10:04	4.4	Bottom	3	2	18.22	8.24	31.09	91.9	7.18	3.2	3.5	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	CS2	10:54:13	1.0	Surface	1	1	18.84	8.17	30.08	98	7.62	2.5	4.9	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	CS2	10:53:27	1.0	Surface	1	2	18.87	8.17	30.08	98.2	7.64	2.5	4.5	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	CS2	10:53:13	4.2	Middle	2	1	18.79	8.17	30.09	97.8	7.61	2.4	4.8	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	CS2	10:53:57	4.2	Middle	2	2	18.77	8.17	30.11	97.5	7.6	2.4	4.7	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	CS2	10:53:41	7.3	Bottom	3	1	18.76	8.17	30.14	97.3	7.58	2.4	4.2	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	CS2	10:52:54	7.3	Bottom	3	2	18.79	8.16	30.16	97.5	7.59	2.5	4.3	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	CS(Mf)5	08:52:57	1.0	Surface	1	1	18.47	8.29	30.42	92.9	7.25	2.3	2.8	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	CS(Mf)5	08:51:47	1.0	Surface	1	2	18.47	8.29	30.45	92.7	7.24	2.6	2.6	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	CS(Mf)5	08:51:24	6.9	Middle	2	1	18.32	8.28	30.84	91.6	7.15	2.8	2.7	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	CS(Mf)5	08:52:36	6.9	Middle	2	2	18.32	8.29	30.84	91.4	7.14	2.9	2.6	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	CS(Mf)5	08:52:12	12.8	Bottom	3	1	18.32	8.28	30.84	91.7	7.16	3	2.3	
HKLR	HY/2011/03	2013-02-13	Mid-Flood	Fine	CS(Mf)5	08:50:59	12.8	Bottom	3	2	18.32	8.29	30.85	92.1	7.19	2.8	2.7	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS5	15:18:13	1.0	Surface	1	1	19.19	8.38	29.88	107.3	8.31	2.8	5	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS5	15:18:53	1.0	Surface	1	2	19.17	8.38	29.88	106.9	8.27	2.9	6.1	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS5	15:18:01	4.5	Middle	2	1	19.18	8.38	29.88	106.8	8.27	2.7	6.5	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS5	15:18:44	4.5	Middle	2	2	19.16	8.38	29.87	106.7	8.27	2.8	5.7	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS5	15:18:28	7.9	Bottom	3	1	19.15	8.38	29.87	106.7	8.26	2.7	4.8	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS5	15:17:50	7.9	Bottom	3	2	19.17	8.38	29.87	106.8	8.27	2.7	4.9	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS(Mf)6	15:25:49	1.0	Surface	1	1	19.64	8.38	29.77	110.1	8.46	3.8	5.3	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS(Mf)6	15:25:20	1.0	Surface	1	2	19.55	8.37	29.81	106.9	8.22	3.7	5.8	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS(Mf)6	15:25:32	2.2	Bottom	3	1	19.6	8.38	29.78	108.4	8.34	4.1	6.2	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS(Mf)6	15:25:07	2.2	Bottom	3	2	19.23	8.35	29.92	105.6	8.16	4.3	6	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS7	15:32:10	1.0	Surface	1	1	19.62	8.41	29.6	117.9	9.07	3.3	3.8	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS7	15:32:35	1.0	Surface	1	2	19.64	8.42	29.59	118.2	9.09	3.5	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	2013-02-15	Mid-Ebb	Fine	IS7	15:31:53	2.0	Bottom	3	1	19.33	8.41	29.54	116.7	9.02	3.3	4.5	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS7	15:32:22	2.0	Bottom	3	2	19.39	8.41	29.56	117.4	9.07	3.4	4.4	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS8	16:00:36	1.0	Surface	1	1	19.41	8.37	29.05	110.8	8.58	3	8.2	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS8	16:01:00	1.0	Surface	1	2	19.42	8.37	29.06	111.1	8.6	3	8.3	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS8	16:00:47	2.8	Bottom	3	1	19.39	8.37	29.07	110.8	8.59	2.9	4	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS8	16:00:24	2.8	Bottom	3	2	19.36	8.37	29.09	110.7	8.58	3	3.4	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS(Mf)9	15:40:41	1.0	Surface	1	1	19.39	8.38	28.98	110.8	8.59	2.8	5.8	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS(Mf)9	15:41:02	1.0	Surface	1	2	19.38	8.38	28.99	110.5	8.56	2.8	6.2	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS(Mf)9	15:40:52	2.5	Bottom	3	1	19.33	8.38	29.09	110.5	8.57	3	5.8	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS(Mf)9	15:40:27	2.5	Bottom	3	2	19.34	8.38	29.08	110.5	8.57	2.9	4.8	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS10	16:06:40	1.0	Surface	1	1	19.56	8.25	29.72	109.5	8.42	1.7	5	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS10	16:07:26	1.0	Surface	1	2	19.58	8.25	29.72	109.8	8.44	1.8	6.8	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS10	16:07:18	5.7	Middle	2	1	19.45	8.25	29.92	108.1	8.33	1.9	4.8	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS10	16:06:33	5.7	Middle	2	2	19.46	8.25	29.87	108	8.32	1.8	4.5	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS10	16:06:20	10.3	Bottom	3	1	19.11	8.23	30.17	106.6	8.25	1.9	4.9	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	IS10	16:07:02	10.3	Bottom	3	2	19.04	8.22	30.18	106.6	8.26	2.1	5.9	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	SR3	15:11:20	0.8	Middle	2	1	19.59	8.41	29.9	111.6	8.57	3.6	5.2	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	SR3	15:11:08	0.8	Middle	2	2	19.57	8.41	29.9	111.2	8.55	3.7	5.4	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	SR4	15:53:27	1.0	Surface	1	1	19.41	8.38	29.02	111.3	8.63	2.8	9.1	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	SR4	15:54:07	1.0	Surface	1	2	19.4	8.37	29.04	110.5	8.56	2.8	9.1	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	SR4	15:53:12	2.7	Bottom	3	1	19.39	8.38	29.05	111.1	8.61	2.8	6.5	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	SR4	15:53:51	2.7	Bottom	3	2	19.26	8.36	29.19	109.8	8.52	2.9	5.8	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	SR5	15:57:20	1.0	Surface	1	1	19.48	8.24	29.79	108.2	8.34	1.9	7	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	SR5	15:57:55	1.0	Surface	1	2	19.43	8.24	29.84	108.3	8.34	2	8.3	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	SR5	15:57:36	4.5	Bottom	3	1	19.22	8.23	30.08	107.8	8.33	2.1	6.9	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	SR5	15:57:08	4.5	Bottom	3	2	19.25	8.23	30.05	107.6	8.31	2	5.6	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	SR10A	17:23:27	1.0	Surface	1	1	18.97	8.33	30.34	100.4	7.78	1.7	4.6	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	SR10A	17:22:51	1.0	Surface	1	2	19.08	8.34	30.21	101.5	7.86	1.6	5.4	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	SR10A	17:22:40	3.2	Middle	2	1	19.05	8.34	30.24	100.7	7.8	1.6	5.5	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	SR10A	17:23:11	3.2	Middle	2	2	18.98	8.33	30.32	100.5	7.79	1.6	5.8	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	SR10A	17:22:30	5.4	Bottom	3	1	19.02	8.33	30.27	100	7.75	1.6	4.1	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	SR10A	17:23:00	5.4	Bottom	3	2	19.02	8.34	30.29	101.4	7.86	1.7	4.7	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	SR10B	17:31:14	1.0	Surface	1	1	18.97	8.33	30.37	99.5	7.71	1.7	4.3	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	SR10B	17:30:43	1.0	Surface	1	2	18.95	8.33	30.38	99.4	7.7	1.7	4.3	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	SR10B	17:30:59	4.0	Bottom	3	1	18.96	8.33	30.37	99.2	7.69	1.7	5	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	SR10B	17:30:28	4.0	Bottom	3	2	18.95	8.33	30.37	99.2	7.69	1.8	5.8	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	CS2	15:02:13	1.0	Surface	1	1	19.07	8.26	29.93	101.8	7.9	2.1	6	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	CS2	15:01:16	1.0	Surface	1	2	19.08	8.27	29.88	101	7.83	2	6.5	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	CS2	15:02:06	4.0	Middle	2	1	19	8.25	30.11	100.9	7.83	2.2	6	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	CS2	15:01:12	4.0	Middle	2	2	19.01	8.26	30.04	100.2	7.77	2.1	5.6	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	CS2	15:01:06	7.0	Bottom	3	1	18.97	8.26	30.16	99.7	7.73	2.3	4.8	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	CS2	15:01:55	7.0	Bottom	3	2	18.96	8.25	30.18	100.7	7.81	2.2	5.4	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	CS(Mf)5	16:37:44	1.0	Surface	1	1	19.06	8.34	29.86	99.8	7.74	3.4	3.9	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	CS(Mf)5	16:38:28	1.0	Surface	1	2	19.16	8.34	29.8	100.5	7.79	3.3	4	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	CS(Mf)5	16:38:14	6.1	Middle	2	1	18.84	8.32	30.01	98.7	7.68	3.3	4.6	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	CS(Mf)5	16:37:32	6.1	Middle	2	2	18.84	8.32	30.07	98.1	7.64	3.5	4.3	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	CS(Mf)5	16:37:18	11.2	Bottom	3	1	18.75	8.31	30.28	97.3	7.57	3.5	5.5	
HKLR	HY/2011/03	2013-02-15	Mid-Ebb	Fine	CS(Mf)5	16:38:01	11.2	Bottom	3	2	18.76	8.31	30.25	97.6	7.6	3.5	4.4	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS5	10:25:50	1.0	Surface	1	1	19.08	8.33	29.73	103.5	8.04	3.1	5.5	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS5	10:26:37	1.0	Surface	1	2	19.08	8.33	29.73	103.6	8.04	2.9	5.5	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS5	10:25:36	4.3	Middle	2	1	19	8.33	29.8	102.5	7.96	3	4.2	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS5	10:26:22	4.3	Middle	2	2	19	8.33	29.8	102.5	7.96	2.9	4.5	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS5	10:26:09	7.6	Bottom	3	1	18.98	8.33	29.88	102.5	7.96	2.8	3.8	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS5	10:25:22	7.6	Bottom	3	2	18.99	8.33	29.87	102.7	7.98	3	4	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS(Mf)6	10:18:27	1.0	Surface	1	1	19.12	8.34	29.76	106	8.22	3.1	4.8	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS(Mf)6	10:18:08	1.0	Surface	1	2	19.07	8.34	29.76	105.8	8.21	3	5.2	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS(Mf)6	10:18:16	2.1	Bottom	3	1	19.07	8.34	29.77	105.8	8.21	2.9	4.2	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS(Mf)6	10:17:55	2.1	Bottom	3	2	19.08	8.34	29.77	105.6	8.2	3.1	4.3	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS7	10:09:53	1.0	Surface	1	1	19.05	8.33	29.66	104.1	8.09	3.4	6	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS7	10:09:25	1.0	Surface	1	2	19.04	8.33	29.66	104	8.08	3.3	6.8	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS7	10:09:39	2.1	Bottom	3	1	19.05	8.33	29.66	104	8.08	3.5	6.3	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS7	10:09:08	2.1	Bottom	3	2	19.03	8.33	29.66	103.7	8.06	3.5	7.4	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS8	09:38:26	1.0	Surface	1	1	19	8.32	29.45	101.3	7.89	3.7	5.3	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS8	09:38:51	1.0	Surface	1	2	19	8.32	29.48	101.3	7.89	3.7	5.4	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS8	09:38:38	3.2	Bottom	3	1	19	8.32	29.52	101.2	7.88	3.9	5.2	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS8	09:38:12	3.2	Bottom	3	2	19	8.32	29.52	101.3	7.88	4	5.8	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS(Mf)9	10:01:22	1.0	Surface	1	1	19.01	8.32	29.32	101.8	7.93	4.7	6.9	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS(Mf)9	10:01:44	1.0	Surface	1	2	19.01	8.32	29.33	101.8	7.93	4.6	6.8	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS(Mf)9	10:01:10	2.5	Bottom	3	1	19.01	8.32	29.56	101.6	7.91	4.6	6.6	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS(Mf)9	10:01:33	2.5	Bottom	3	2	19.01	8.32	29.55	101.6	7.91	4.6	6.7	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS10	09:40:28	1.0	Surface	1	1	18.95	8.16	29.77	99.9	7.77	2.2	4.3	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS10	09:41:19	1.0	Surface	1	2	18.95	8.16	29.77	99.9	7.77	2.2	4.9	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS10	09:40:20	5.8	Middle	2	1	18.94	8.16	29.79	99.5	7.74	2.5	6	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS10	09:40:59	5.8	Middle	2	2	18.93	8.15	29.79	99.4	7.74	2.7	7.2	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	IS10	09:40:44	10.5	Bottom	3	1	18.91	8.15	29.9	99.5	7.74	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	2013-02-15	Mid-Flood	Sunny	IS10	09:40:08	10.5	Bottom	3	2	18.92	8.15	29.88	99.5	7.74	2.8	3.9	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	SR3	10:31:49	0.6	Middle	2	1	19.06	8.33	29.86	102.1	7.92	3.6	5.3	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	SR3	10:31:38	0.6	Middle	2	2	19.07	8.33	29.86	102	7.91	3.8	5.4	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	SR4	09:44:48	1.0	Surface	1	1	19.08	8.3	29.28	100.4	7.82	3.7	7.3	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	SR4	09:44:29	1.0	Surface	1	2	19.09	8.3	29.28	100.4	7.81	3.7	6.7	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	SR4	09:44:40	2.7	Bottom	3	1	19.08	8.3	29.27	100.3	7.81	3.7	5.3	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	SR4	09:44:15	2.7	Bottom	3	2	19.08	8.3	29.28	100.3	7.81	3.8	6.1	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	SR5	09:47:37	1.0	Surface	1	1	18.97	8.16	29.87	100.3	7.79	7.9	23.1	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	SR5	09:47:09	1.0	Surface	1	2	18.97	8.16	29.85	100.3	7.79	8	22.8	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	SR5	09:47:22	4.5	Bottom	3	1	18.96	8.16	29.9	100.1	7.78	8.1	24.4	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	SR5	09:46:58	4.5	Bottom	3	2	18.97	8.16	29.87	100.1	7.78	8.1	24.1	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	SR10A	08:39:49	1.0	Surface	1	1	18.77	8.29	29.95	96.4	7.52	2.4	2.1	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	SR10A	08:40:28	1.0	Surface	1	2	18.78	8.29	29.89	96.5	7.53	2.4	2.4	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	SR10A	08:40:16	3.2	Middle	2	1	18.75	8.29	30.03	96.1	7.49	2.6	4.8	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	SR10A	08:39:37	3.2	Middle	2	2	18.74	8.29	30.07	96.1	7.5	2.6	4.9	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	SR10A	08:40:03	5.3	Bottom	3	1	18.72	8.29	30.15	96.1	7.49	2.6	3.5	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	SR10A	08:39:25	5.3	Bottom	3	2	18.74	8.29	30.08	96.6	7.53	2.7	3.4	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	SR10B	08:34:45	1.0	Surface	1	1	18.64	8.28	30.53	94.5	7.36	2.1	3.6	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	SR10B	08:35:03	1.0	Surface	1	2	18.64	8.28	30.51	94.4	7.35	2	4.4	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	SR10B	08:34:52	3.9	Bottom	3	1	18.64	8.28	30.52	94.3	7.35	2.1	3.2	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	SR10B	08:34:36	3.9	Bottom	3	2	18.64	8.28	30.54	94.4	7.35	2.1	4.6	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	CS2	10:42:52	1.0	Surface	1	1	18.91	8.17	30	99.9	7.77	2.5	4.8	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	CS2	10:42:09	1.0	Surface	1	2	18.88	8.17	30.09	99.2	7.71	2.6	4.6	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	CS2	10:42:41	4.2	Middle	2	1	18.87	8.17	30.13	99	7.7	2.8	5.1	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	CS2	10:42:00	4.2	Middle	2	2	18.84	8.16	30.28	98.9	7.68	3.1	4.4	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	CS2	10:42:30	7.3	Bottom	3	1	18.84	8.16	30.3	98.9	7.69	3.1	4.3	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	CS2	10:41:48	7.3	Bottom	3	2	18.83	8.16	30.31	98.8	7.68	3.2	3	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	CS(Mf)5	09:09:11	1.0	Surface	1	1	18.92	8.31	29.43	98.5	7.69	4.6	4.2	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	CS(Mf)5	09:08:24	1.0	Surface	1	2	18.9	8.31	29.49	98.5	7.68	4.6	3.4	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	CS(Mf)5	09:08:56	6.3	Middle	2	1	18.84	8.3	29.72	97.3	7.59	6.4	4.1	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	CS(Mf)5	09:08:11	6.3	Middle	2	2	18.85	8.3	29.67	97.5	7.61	6.2	3	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	CS(Mf)5	09:07:55	11.6	Bottom	3	1	18.81	8.3	29.89	98	7.64	6.4	4.5	
HKLR	HY/2011/03	2013-02-15	Mid-Flood	Sunny	CS(Mf)5	09:08:42	11.6	Bottom	3	2	18.8	8.3	29.95	97.7	7.61	6.5	4.5	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS5	18:01:36	1.0	Surface	1	1	19.34	8.43	30.04	120.6	9.3	2.2	2.9	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS5	18:02:20	1.0	Surface	1	2	19.36	8.44	29.99	120.5	9.29	2.1	2.7	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS5	18:02:13	4.6	Middle	2	1	19.33	8.43	30.08	119.8	9.24	2.3	2.7	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS5	18:01:30	4.6	Middle	2	2	19.33	8.42	30.07	120.1	9.26	2.5	3	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS5	18:01:57	8.2	Bottom	3	1	19.27	8.42	30.15	119.3	9.21	2.6	2.4	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS5	18:01:09	8.2	Bottom	3	2	19.26	8.42	30.16	119.9	9.25	2.8	2.8	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS(Mf)6	18:09:08	1.0	Surface	1	1	19.63	8.5	29.56	134.3	10.33	3.3	3.2	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS(Mf)6	18:08:46	1.0	Surface	1	2	19.67	8.5	29.51	134.1	10.31	3.4	3.8	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS(Mf)6	18:09:00	2.4	Bottom	3	1	19.57	8.49	29.67	134	10.31	3.4	2.7	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS(Mf)6	18:08:34	2.4	Bottom	3	2	19.49	8.48	29.77	133.5	10.28	3.5	4.3	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS7	18:16:06	1.0	Surface	1	1	19.61	8.51	29.28	137.5	10.59	4.4	3.1	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS7	18:16:26	1.0	Surface	1	2	19.61	8.52	29.28	138.4	10.66	4.2	2.4	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS7	18:16:17	2.4	Bottom	3	1	19.46	8.51	29.3	137.6	10.63	4.5	5	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS7	18:15:56	2.4	Bottom	3	2	19.39	8.51	29.34	136.4	10.55	4.4	3.3	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS8	18:40:56	1.0	Surface	1	1	19.26	8.49	29.64	134.3	10.4	3.9	4.9	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS8	18:41:10	1.0	Surface	1	2	19.26	8.49	29.64	134.4	10.4	3.8	3.3	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS8	18:40:50	2.6	Bottom	3	1	19.27	8.49	29.65	134.2	10.38	4.1	3	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS8	18:41:05	2.6	Bottom	3	2	19.26	8.49	29.68	134.3	10.39	4	2.5	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS(Mf)9	18:23:35	1.0	Surface	1	1	19.58	8.5	29.34	135.2	10.42	3.8	3.3	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS(Mf)9	18:23:20	1.0	Surface	1	2	19.53	8.5	29.36	135	10.42	4	3.4	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS(Mf)9	18:23:14	2.4	Bottom	3	1	19.54	8.5	29.36	134.5	10.37	4.1	4.5	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS(Mf)9	18:23:27	2.4	Bottom	3	2	19.56	8.49	29.35	135	10.41	4	4.3	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS10	19:47:17	1.0	Surface	1	1	19.91	8.4	28.04	125.5	9.69	2.1	2.2	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS10	19:48:04	1.0	Surface	1	2	20.06	8.4	27.92	128.1	9.87	2.2	3.2	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS10	19:47:05	5.3	Middle	2	1	19.05	8.33	30.07	124.7	9.64	2.2	1.4	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS10	19:47:47	5.3	Middle	2	2	19.13	8.34	29.9	124.2	9.61	2.2	1.5	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS10	19:47:31	9.5	Bottom	3	1	19.09	8.32	30.21	120	9.3	2.2	2.1	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	IS10	19:46:52	9.5	Bottom	3	2	19.15	8.33	30.16	119.7	9.28	2.2	2.7	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	SR3	17:50:33	0.8	Middle	2	1	19.93	8.47	29.81	134	10.23	3.5	2.6	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	SR3	17:50:30	0.8	Middle	2	2	19.93	8.47	29.81	133.9	10.22	3.6	4.4	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	SR4	18:30:52	1.0	Surface	1	1	19.27	8.49	29.64	133.6	10.34	4.3	3.6	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	SR4	18:30:39	1.0	Surface	1	2	19.25	8.49	29.67	133.4	10.33	4.5	3	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	SR4	18:30:44	2.4	Bottom	3	1	19.27	8.49	29.67	133.4	10.32	4.4	2.3	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	SR4	18:30:33	2.4	Bottom	3	2	19.26	8.49	29.7	133.2	10.31	4.6	2.2	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	SR5	19:40:04	1.0	Surface	1	1	19.71	8.34	29.27	119.4	9.16	1.8	1.6	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	SR5	19:39:38	1.0	Surface	1	2	19.96	8.36	28.98	116.7	9.01	1.8	1.9	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	SR5	19:39:22	3.5	Bottom	3	1	19.27	8.3	29.99	114.1	8.85	1.8	1.8	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	SR5	19:39:54	3.5	Bottom	3	2	18.95	8.28	30.32	115.6	8.89	1.7	1.3	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	SR10A	19:41:35	1.0	Surface	1	1	19.23	8.36	30.49	109	8.4	1.7	2.1	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	SR10A	19:40:53	1.0	Surface	1	2	19.23	8.36	30.51	108.7	8.37	1.8	2.3	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	SR10A	19:40:48	3.2	Middle	2	1	19.19	8.35	30.57	108	8.33	1.8	3.5	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	SR10A	19:41:29	3.2	Middle	2	2	19.2	8.36	30.53	107.8	8.31	1.8	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	2013-02-18	Mid-Ebb	Fine	SR10A	19:41:14	5.4	Bottom	3	1	18.98	8.34	30.74	106.8	8.26	1.8	2.1	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	SR10A	19:40:31	5.4	Bottom	3	2	19.02	8.34	30.7	107.4	8.3	1.9	2.1	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	SR10B	19:53:11	1.0	Surface	1	1	19.24	8.37	30.47	111.7	8.6	1.8	1.8	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	SR10B	19:53:33	1.0	Surface	1	2	19.25	8.37	30.48	111.8	8.61	1.8	1.5	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	SR10B	19:52:49	4.5	Bottom	3	1	19.15	8.36	30.58	111.1	8.57	1.9	2	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	SR10B	19:53:20	4.5	Bottom	3	2	19.21	8.37	30.54	111.6	8.6	1.9	2.3	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	CS2	17:52:19	1.0	Surface	1	1	19.83	8.42	28.33	128.1	9.89	2.3	2	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	CS2	17:51:41	1.0	Surface	1	2	19.81	8.43	28.54	123.2	9.53	2.3	2.6	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	CS2	17:52:07	3.9	Middle	2	1	19.23	8.41	29.4	122.2	9.48	2.2	2.7	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	CS2	17:51:27	3.9	Middle	2	2	18.98	8.38	29.98	122.8	9.47	2.2	2	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	CS2	17:51:00	6.7	Bottom	3	1	18.76	8.34	31.03	108.6	8.41	2.1	2.8	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	CS2	17:51:55	6.7	Bottom	3	2	18.95	8.35	30.88	112.1	8.71	2.1	2	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	CS(Mf)5	19:14:22	1.0	Surface	1	1	19.45	8.44	29.72	122.6	9.45	1.4	1.9	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	CS(Mf)5	19:15:09	1.0	Surface	1	2	19.47	8.44	29.69	123.5	9.52	1.4	1.1	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	CS(Mf)5	19:14:17	6.7	Middle	2	1	19.43	8.43	29.75	121.4	9.36	1.4	2.6	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	CS(Mf)5	19:15:04	6.7	Middle	2	2	19.45	8.44	29.72	122.2	9.42	1.5	2.3	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	CS(Mf)5	19:13:58	12.4	Bottom	3	1	19.12	8.39	30.07	120.2	9.3	1.5	2.3	
HKLR	HY/2011/03	2013-02-18	Mid-Ebb	Fine	CS(Mf)5	19:14:50	12.4	Bottom	3	2	19.25	8.41	29.96	121.1	9.36	1.6	2.6	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS5	11:56:50	1.0	Surface	1	1	19.21	8.43	29.48	118.4	9.19	2.5	6.3	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS5	11:57:33	1.0	Surface	1	2	19.23	8.43	29.46	118.4	9.18	2.5	5.2	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS5	11:56:43	4.6	Middle	2	1	19.15	8.43	29.53	117.3	9.1	2.7	2.5	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS5	11:57:25	4.6	Middle	2	2	19.17	8.43	29.5	117.3	9.1	2.6	3.5	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS5	11:57:01	8.1	Bottom	3	1	18.97	8.41	30.09	116.3	9.03	2.8	3.3	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS5	11:56:22	8.1	Bottom	3	2	19.02	8.41	29.93	116.8	9.06	2.9	4.9	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS(Mf)6	11:48:43	1.0	Surface	1	1	19.29	8.45	29.28	123.5	9.58	2.6	3	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS(Mf)6	11:48:32	1.0	Surface	1	2	19.27	8.45	29.3	123.5	9.58	2.6	3.9	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS(Mf)6	11:48:28	2.4	Bottom	3	1	19.29	8.45	29.28	123.4	9.56	2.7	2.2	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS(Mf)6	11:48:37	2.4	Bottom	3	2	19.32	8.45	29.27	123.4	9.56	2.9	3.3	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS7	11:41:42	1.0	Surface	1	1	19.26	8.44	29.21	120.9	9.38	3	1.5	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS7	11:41:31	1.0	Surface	1	2	19.23	8.43	29.22	120.4	9.35	3.1	1.4	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS7	11:41:27	2.4	Bottom	3	1	19.31	8.43	29.16	120.1	9.32	3.2	4.1	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS7	11:41:37	2.4	Bottom	3	2	19.29	8.43	29.17	120.6	9.35	3.1	3	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS8	11:14:34	1.0	Surface	1	1	19.26	8.42	29.26	119.2	9.25	2.5	4	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS8	11:14:18	1.0	Surface	1	2	19.21	8.42	29.32	118	9.16	2.6	3.2	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS8	11:14:13	2.6	Bottom	3	1	19.24	8.42	29.33	117.4	9.11	2.8	2.9	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS8	11:14:26	2.6	Bottom	3	2	19.21	8.42	29.31	118.5	9.2	2.7	2.6	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS(Mf)9	11:34:41	1.0	Surface	1	1	19.09	8.41	29.47	116.1	9.02	2.1	2.6	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS(Mf)9	11:34:55	1.0	Surface	1	2	19.1	8.42	29.54	116.7	9.06	2.1	2.7	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS(Mf)9	11:34:31	2.5	Bottom	3	1	19.04	8.41	29.81	116.3	9.03	2.2	3.4	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS(Mf)9	11:34:49	2.5	Bottom	3	2	19.11	8.41	29.71	116.5	9.04	2.1	3.8	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS10	11:15:17	1.0	Surface	1	1	19.3	8.27	29.85	112	8.65	3.8	2.6	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS10	11:16:22	1.0	Surface	1	2	19.31	8.27	29.84	112.3	8.68	3.7	4.2	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS10	11:15:53	5.3	Middle	2	1	18.99	8.24	30.07	110.5	8.57	4.8	3.5	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS10	11:15:03	5.3	Middle	2	2	19.05	8.25	30.01	109.6	8.5	4.7	5	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS10	11:15:37	9.6	Bottom	3	1	18.97	8.24	30.13	108.7	8.44	5.6	4.6	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	IS10	11:14:42	9.6	Bottom	3	2	18.95	8.24	30.14	109.3	8.49	5.5	5.7	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	SR3	12:06:31	0.8	Middle	2	1	19.35	8.4	29.99	114	8.79	2.3	2.4	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	SR3	12:06:34	0.8	Middle	2	2	19.33	8.4	30	114.1	8.8	2.3	2.4	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	SR4	11:25:06	1.0	Surface	1	1	19.17	8.43	29.31	119.8	9.31	2.3	2.7	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	SR4	11:24:48	1.0	Surface	1	2	19.18	8.42	29.31	119.3	9.27	2.3	3.2	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	SR4	11:24:40	2.4	Bottom	3	1	19.2	8.42	29.39	119.2	9.25	2.3	2.8	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	SR4	11:24:59	2.4	Bottom	3	2	19.16	8.42	29.39	119.6	9.28	2.3	2.3	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	SR5	11:22:43	1.0	Surface	1	1	19.51	8.27	29.2	115	8.88	3.3	2.6	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	SR5	11:23:14	1.0	Surface	1	2	19.77	8.27	29.07	116.4	8.95	3.6	2.3	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	SR5	11:22:32	3.5	Bottom	3	1	19.17	8.26	29.77	113.1	8.76	3.5	2.6	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	SR5	11:23:02	3.5	Bottom	3	2	19.17	8.26	29.76	115	8.91	3.7	2	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	SR10A	10:15:29	1.0	Surface	1	1	18.93	8.31	30.42	98.5	7.63	1.3	2.4	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	SR10A	10:14:47	1.0	Surface	1	2	18.87	8.3	30.45	97.5	7.57	1.3	2.5	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	SR10A	10:15:21	3.3	Middle	2	1	18.82	8.3	30.49	97.2	7.55	1.3	3.8	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	SR10A	10:14:39	3.3	Middle	2	2	18.76	8.3	30.59	96.7	7.52	1.4	2.3	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	SR10A	10:14:26	5.5	Bottom	3	1	18.67	8.29	30.84	96.8	7.52	1.5	2.2	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	SR10A	10:15:10	5.5	Bottom	3	2	18.68	8.3	30.82	96.8	7.52	1.4	2.2	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	SR10B	10:09:27	1.0	Surface	1	1	18.65	8.28	30.98	94.4	7.33	1.8	2	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	SR10B	10:08:59	1.0	Surface	1	2	18.66	8.28	30.97	94.7	7.36	1.8	2.7	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	SR10B	10:08:43	4.6	Bottom	3	1	18.62	8.28	31.05	94.6	7.35	1.8	1.2	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	SR10B	10:09:07	4.6	Bottom	3	2	18.61	8.28	31.09	94.4	7.33	1.8	1.9	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	CS2	12:59:16	1.0	Surface	1	1	19.26	8.3	29.12	114.7	8.91	2.1	2.7	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	CS2	12:59:59	1.0	Surface	1	2	19.42	8.3	28.95	117.2	9.08	2.1	2.1	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	CS2	12:59:04	4.1	Middle	2	1	18.99	8.26	29.9	109.8	8.53	2.1	2.9	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	CS2	12:59:47	4.1	Middle	2	2	19.03	8.27	29.76	113	8.78	2.1	2	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	CS2	12:58:50	7.2	Bottom	3	1	18.83	8.22	30.51	110.2	8.56	2.5	2.5	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	CS2	12:59:33	7.2	Bottom	3	2	18.9	8.24	30.36	114.4	8.88	2.4	2.3	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	CS(Mf)5	10:43:54	1.0	Surface	1	1	19.09	8.36	29.85	106.4	8.25	1.4	3.4	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	CS(Mf)5	10:43:03	1.0	Surface	1	2	19.09	8.36	29.86	106.1	8.23	1.3	2.6	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	CS(Mf)5	10:43:47	6.7	Middle	2	1	18.97	8.35	30.01	104.4	8.11	1.4	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	2013-02-18	Mid-Flood	Sunny	CS(Mf)5	10:42:56	6.7	Middle	2	2	18.99	8.35	29.98	104.4	8.1	1.4	2.8	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	CS(Mf)5	10:43:26	12.4	Bottom	3	1	18.87	8.32	30.35	103.5	8.04	1.5	1.6	
HKLR	HY/2011/03	2013-02-18	Mid-Flood	Sunny	CS(Mf)5	10:42:40	12.4	Bottom	3	2	18.86	8.32	30.4	103	8	1.6	1.3	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS5	20:48:22	1.0	Surface	1	1	19.73	8.49	29.46	124	9.52	2.2	2.6	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS5	20:49:06	1.0	Surface	1	2	19.72	8.49	29.47	122.5	9.41	2	2.9	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS5	20:48:10	4.2	Middle	2	1	19.41	8.48	29.99	117.2	9.02	2.3	2.4	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS5	20:48:53	4.2	Middle	2	2	19.08	8.45	30.56	116.4	9.02	2.2	2.8	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS5	20:48:43	7.4	Bottom	3	1	18.69	8.42	31.35	114.9	8.88	2.4	3.4	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS5	20:47:56	7.4	Bottom	3	2	18.69	8.43	31.42	117.6	9.1	2.5	3.5	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS(Mf)6	20:55:56	1.0	Surface	1	1	19.77	8.54	29.2	132.6	10.19	2.3	3.1	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS(Mf)6	20:55:31	1.0	Surface	1	2	19.77	8.53	29.24	131.1	10.07	2.3	4.5	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS(Mf)6	20:55:40	2.2	Bottom	3	1	19.76	8.53	29.28	131.6	10.11	2.1	3.4	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS(Mf)6	20:55:22	2.2	Bottom	3	2	19.76	8.52	29.35	130.9	10.05	2.2	4	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS7	21:02:13	1.0	Surface	1	1	19.76	8.48	29.12	122.1	9.39	5	4.6	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS7	21:02:41	1.0	Surface	1	2	19.82	8.46	29.22	120.9	9.29	5.1	4.3	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS7	21:01:57	2.2	Bottom	3	1	19.78	8.45	29.39	120.7	9.26	5.2	2.9	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS7	21:02:24	2.2	Bottom	3	2	19.78	8.44	29.41	120.9	9.28	5.3	3.5	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS8	21:33:04	1.0	Surface	1	1	19.67	8.49	29.1	122.6	9.45	2.6	6	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS8	21:32:42	1.0	Surface	1	2	19.67	8.47	29.12	120.9	9.32	2.6	6.6	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS8	21:32:51	2.9	Bottom	3	1	19.5	8.43	29.65	121.9	9.39	2.7	3.5	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS8	21:32:29	2.9	Bottom	3	2	19.45	8.42	29.79	121.1	9.33	2.7	4.1	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS(Mf)9	21:09:41	1.0	Surface	1	1	19.64	8.54	28.85	133.5	10.31	2.5	4.4	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS(Mf)9	21:09:18	1.0	Surface	1	2	19.66	8.54	28.86	132.9	10.26	2.5	3.4	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS(Mf)9	21:09:27	2.3	Bottom	3	1	19.69	8.53	28.94	133.6	10.3	2.7	4	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS(Mf)9	21:09:07	2.3	Bottom	3	2	19.68	8.53	28.94	132.4	10.21	2.6	3.6	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS10	21:55:14	1.0	Surface	1	1	19.34	8.45	29.42	122.8	9.5	2	3.6	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS10	21:53:48	1.0	Surface	1	2	19.32	8.43	29.47	115.8	8.96	2.2	3.2	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS10	21:54:48	5.2	Middle	2	1	18.94	8.2	31.48	100.7	7.76	2.2	3.3	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS10	21:53:31	5.2	Middle	2	2	18.94	8.2	31.5	102.6	7.9	2.3	3.8	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS10	21:54:33	9.4	Bottom	3	1	18.85	8.19	31.69	101.3	7.81	2.1	2	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	IS10	21:53:10	9.4	Bottom	3	2	18.83	8.2	31.7	107.1	8.26	2.2	2.1	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	SR3	20:41:55	0.7	Middle	2	1	19.7	8.48	29.4	126.5	9.72	2.5	3.1	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	SR3	20:42:03	0.7	Middle	2	2	19.71	8.48	29.38	127.2	9.78	2.3	3.4	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	SR4	21:22:15	1.0	Surface	1	1	19.66	8.49	29.09	122.7	9.45	3.5	2.5	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	SR4	21:21:56	1.0	Surface	1	2	19.66	8.46	29.21	123.3	9.5	3.5	2.5	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	SR4	21:21:44	2.7	Bottom	3	1	19.49	8.43	29.64	121.6	9.37	3.8	4.1	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	SR4	21:22:04	2.7	Bottom	3	2	19.56	8.44	29.53	121.9	9.39	3.7	3.8	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	SR5	21:41:11	1.0	Surface	1	1	19.33	8.41	29.76	120.5	9.31	2	2.9	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	SR5	21:42:05	1.0	Surface	1	2	19.33	8.41	29.77	121.4	9.38	2.1	2	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	SR5	21:41:44	4.5	Bottom	3	1	19.03	8.2	31.24	109.2	8.41	2.3	2.2	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	SR5	21:40:49	4.5	Bottom	3	2	19.04	8.2	31.22	108.7	8.37	2.4	2.4	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	SR10A	22:43:22	1.0	Surface	1	1	18.83	8.37	30.92	106.3	8.23	1.5	2.1	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	SR10A	22:43:55	1.0	Surface	1	2	18.84	8.37	30.9	106.1	8.21	1.5	2.2	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	SR10A	22:43:45	3.3	Middle	2	1	18.78	8.35	31.08	105	8.13	1.4	3	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	SR10A	22:43:14	3.3	Middle	2	2	18.8	8.36	31.03	105.6	8.17	1.5	3.3	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	SR10A	22:43:03	5.5	Bottom	3	1	18.76	8.35	31.19	106.4	8.24	1.5	2.8	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	SR10A	22:43:36	5.5	Bottom	3	2	18.75	8.35	31.17	105.8	8.19	1.5	2.4	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	SR10B	22:50:25	1.0	Surface	1	1	18.86	8.38	30.82	107.9	8.35	1.5	3.8	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	SR10B	22:50:50	1.0	Surface	1	2	18.87	8.38	30.8	108	8.37	1.5	3.3	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	SR10B	22:50:36	3.5	Bottom	3	1	18.8	8.37	31.06	107.9	8.35	1.4	1.6	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	SR10B	22:50:13	3.5	Bottom	3	2	18.83	8.37	31	107.9	8.35	1.5	1.4	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	CS2	20:30:41	1.0	Surface	1	1	19.39	8.44	29.1	130.6	10.12	2.2	2.5	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	CS2	20:31:46	1.0	Surface	1	2	19.38	8.46	29.08	129.8	10.06	2	2.1	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	CS2	20:31:28	3.9	Middle	2	1	18.7	8.29	30.86	112.9	8.77	3	2.4	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	CS2	20:30:22	3.9	Middle	2	2	18.87	8.29	30.46	110.6	8.58	3.3	2.5	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	CS2	20:31:06	6.8	Bottom	3	1	18.52	8.24	32.32	105.6	8.15	4	2.1	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	CS2	20:30:04	6.8	Bottom	3	2	18.51	8.18	32.3	108.4	8.37	3.7	3.4	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	CS(Mf)5	22:19:01	1.0	Surface	1	1	19.03	8.41	30.33	107.2	8.3	1.9	2.8	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	CS(Mf)5	22:18:15	1.0	Surface	1	2	19.02	8.41	30.35	107.4	8.32	1.8	2.4	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	CS(Mf)5	22:18:03	5.9	Middle	2	1	18.79	8.34	31.03	108.1	8.37	1.8	2.2	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	CS(Mf)5	22:18:48	5.9	Middle	2	2	18.8	8.34	30.94	107.8	8.35	1.8	2.9	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	CS(Mf)5	22:17:50	10.8	Bottom	3	1	18.81	8.36	31.06	103.3	8	1.7	3.9	
HKLR	HY/2011/03	2013-02-20	Mid-Ebb	Cloudy	CS(Mf)5	22:18:33	10.8	Bottom	3	2	18.76	8.34	31.14	102.2	7.92	1.8	3.3	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS5	10:42:19	1.0	Surface	1	1	19.79	8.47	29.35	122.7	9.42	2.2	2.6	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS5	10:41:39	1.0	Surface	1	2	19.8	8.47	29.35	122.5	9.41	2.2	3.2	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS5	10:42:08	4.3	Middle	2	1	19.76	8.45	29.46	121.1	9.3	2.2	2.7	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS5	10:41:27	4.3	Middle	2	2	19.78	8.45	29.45	120.9	9.28	2.3	2.6	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS5	10:41:55	7.6	Bottom	3	1	19.58	8.43	29.98	121.3	9.31	2.3	3.6	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS5	10:41:10	7.6	Bottom	3	2	19.6	8.43	29.94	121	9.29	2.3	2.4	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS(Mf)6	10:32:11	1.0	Surface	1	1	19.8	8.49	28.72	125.1	9.64	2.9	3.8	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS(Mf)6	10:32:45	1.0	Surface	1	2	19.8	8.49	28.77	125	9.63	2.9	3	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS(Mf)6	10:32:34	2.1	Bottom	3	1	19.8	8.48	28.86	125.4	9.65	2.8	3.3	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS(Mf)6	10:31:59	2.1	Bottom	3	2	19.8	8.48	28.87	125	9.62	2.7	3.7	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS7	10:23:40	1.0	Surface	1	1	19.65	8.5	28.58	126.6	9.79	3.1	6.2	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS7	10:25:03	1.0	Surface	1	2	19.66	8.49	28.61	127.1	9.83	3.3	5.9	

Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS7	10:24:52	2.2	Bottom	3	1	19.66	8.49	28.62	123.9	9.57	3.3	3.5	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS7	10:23:27	2.2	Bottom	3	2	19.66	8.5	28.61	120.4	9.31	3.4	3.3	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS8	09:48:42	1.0	Surface	1	1	19.6	8.43	29.1	117.1	9.03	4.1	3.1	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS8	09:49:05	1.0	Surface	1	2	19.61	8.43	29.1	117.1	9.04	4.1	3.8	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS8	09:48:28	3.1	Bottom	3	1	19.6	8.42	29.21	116.9	9.01	4.1	3.5	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS8	09:48:52	3.1	Bottom	3	2	19.59	8.42	29.2	117	9.03	4.2	3.7	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS(Mf)9	10:15:18	1.0	Surface	1	1	19.63	8.46	28.88	123.3	9.52	3.5	4.3	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS(Mf)9	10:14:45	1.0	Surface	1	2	19.63	8.46	28.88	123.3	9.52	3.6	5.8	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS(Mf)9	10:14:25	2.5	Bottom	3	1	19.63	8.46	28.89	122.8	9.48	3.4	5.6	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS(Mf)9	10:15:04	2.5	Bottom	3	2	19.63	8.46	28.9	122.8	9.48	3.5	4.8	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS10	09:56:12	1.0	Surface	1	1	19.41	8.32	28.71	112.2	8.71	2.5	2.3	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS10	09:54:58	1.0	Surface	1	2	19.42	8.31	28.88	111.5	8.64	2.7	2.9	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS10	09:55:56	5.4	Middle	2	1	19.2	8.21	30.8	105.3	8.1	2.8	3.5	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS10	09:54:43	5.4	Middle	2	2	19.2	8.21	30.73	104.4	8.04	3	3.6	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS10	09:55:38	9.8	Bottom	3	1	19.11	8.19	31.03	105.4	8.11	2.7	3.1	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	IS10	09:54:29	9.8	Bottom	3	2	19.11	8.19	31.03	104	8.01	3	2.1	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	SR3	10:47:19	0.7	Middle	2	1	19.72	8.46	29.13	119.5	9.2	1.8	3.1	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	SR3	10:47:31	0.7	Middle	2	2	19.72	8.46	29.14	120.2	9.25	1.7	2.1	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	SR4	09:54:51	1.0	Surface	1	1	19.62	8.41	29.03	112.7	8.7	3.1	4.1	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	SR4	09:54:36	1.0	Surface	1	2	19.61	8.4	29.05	112.4	8.67	3.2	3.1	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	SR4	09:54:42	2.8	Bottom	3	1	19.61	8.4	29.11	112.4	8.67	3.3	3.4	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	SR4	09:54:28	2.8	Bottom	3	2	19.61	8.4	29.12	112.6	8.69	3.3	2.4	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	SR5	10:05:51	1.0	Surface	1	1	19.33	8.31	28.89	108.4	8.42	3.5	3.5	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	SR5	10:04:51	1.0	Surface	1	2	19.33	8.31	28.81	110.7	8.6	3.2	2.9	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	SR5	10:05:30	4.6	Bottom	3	1	19.01	8.16	30.99	99.5	7.68	3.6	2.6	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	SR5	10:04:26	4.6	Bottom	3	2	19.01	8.16	30.98	102.4	7.9	3.4	3.5	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	SR10A	08:45:56	1.0	Surface	1	1	18.71	8.29	31.2	96.8	7.5	1.8	1.3	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	SR10A	08:46:30	1.0	Surface	1	2	18.71	8.29	31.2	96.9	7.51	1.8	1.6	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	SR10A	08:46:18	3.2	Middle	2	1	18.71	8.29	31.2	96.7	7.49	1.9	1.6	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	SR10A	08:45:45	3.2	Middle	2	2	18.71	8.29	31.21	96.7	7.49	1.8	1.6	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	SR10A	08:45:36	5.4	Bottom	3	1	18.7	8.29	31.24	96.8	7.5	1.8	1.1	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	SR10A	08:46:07	5.4	Bottom	3	2	18.71	8.29	31.23	96.7	7.49	1.8	0.9	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	SR10B	08:41:19	1.0	Surface	1	1	18.71	8.26	31.24	97.1	7.53	1.8	1.3	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	SR10B	08:40:57	1.0	Surface	1	2	18.71	8.26	31.24	97.3	7.54	1.7	1.3	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	SR10B	08:40:47	3.7	Bottom	3	1	18.71	8.26	31.24	97.4	7.54	1.8	1.4	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	SR10B	08:41:07	3.7	Bottom	3	2	18.71	8.26	31.24	97.1	7.52	1.7	1.3	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	CS2	11:15:55	1.0	Surface	1	1	19.5	8.35	29.3	115.3	8.91	3.1	5.4	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	CS2	11:14:52	1.0	Surface	1	2	19.4	8.31	29.77	114.9	8.86	3.3	5.1	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	CS2	11:15:36	3.8	Middle	2	1	19.23	8.23	30.78	108.3	8.33	2.6	5.9	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	CS2	11:14:23	3.8	Middle	2	2	19.23	8.23	30.79	106.9	8.23	2.4	6.4	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	CS2	11:14:09	6.5	Bottom	3	1	19.15	8.22	30.92	106.2	8.17	3.2	4.9	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	CS2	11:15:15	6.5	Bottom	3	2	19.16	8.23	30.91	110	8.47	3.5	5.1	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	CS(Mf)5	09:18:05	1.0	Surface	1	1	18.99	8.36	30.33	101.7	7.88	2.1	1.5	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	CS(Mf)5	09:19:07	1.0	Surface	1	2	18.96	8.36	30.45	101.7	7.88	2.2	1.8	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	CS(Mf)5	09:17:51	6.2	Middle	2	1	18.78	8.31	31.17	99.3	7.69	2.1	1.2	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	CS(Mf)5	09:18:50	6.2	Middle	2	2	18.78	8.31	31.17	98	7.59	2.1	1.6	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	CS(Mf)5	09:18:34	11.3	Bottom	3	1	18.77	8.31	31.19	99.1	7.67	2.2	1.1	
HKLR	HY/2011/03	2013-02-20	Mid-Flood	Cloudy	CS(Mf)5	09:17:40	11.3	Bottom	3	2	18.78	8.32	31.15	101.4	7.85	2.1	1.4	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS5	11:49:33	1.0	Surface	1	1	19.18	8.5	30.22	126.6	9.78	2.7	4.2	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS5	11:50:13	1.0	Surface	1	2	19.18	8.5	30.2	126.4	9.76	2.7	3.8	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS5	11:49:22	4.1	Middle	2	1	19.14	8.5	30.22	125.7	9.72	2.6	7.2	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS5	11:50:00	4.1	Middle	2	2	19.15	8.49	30.23	124.9	9.65	2.8	7.2	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS5	11:49:09	7.1	Bottom	3	1	19.13	8.49	30.24	125.3	9.69	2.6	6	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS5	11:49:50	7.1	Bottom	3	2	19.13	8.48	30.24	125.7	9.72	2.7	4.5	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS(Mf)6	11:39:54	1.0	Surface	1	1	19.12	8.48	30.34	123.3	9.53	5.3	6	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS(Mf)6	11:40:16	1.0	Surface	1	2	19.13	8.48	30.34	123.7	9.56	5.4	5.9	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS(Mf)6	11:39:43	2.2	Bottom	3	1	19.12	8.48	30.34	122.7	9.49	5.5	7.9	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS(Mf)6	11:40:03	2.2	Bottom	3	2	19.12	8.48	30.34	123.3	9.53	5.5	7.4	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS7	11:34:03	1.0	Surface	1	1	19.2	8.51	30	128.8	9.96	3	4.8	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS7	11:33:38	1.0	Surface	1	2	19.19	8.5	30	127.2	9.84	2.9	5.2	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS7	11:33:48	2.2	Bottom	3	1	19.19	8.5	30	128.1	9.91	3.1	6.2	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS7	11:33:28	2.2	Bottom	3	2	19.15	8.49	30.07	126	9.75	3.1	4.8	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS8	11:09:38	1.0	Surface	1	1	19.08	8.47	30.51	124.3	9.61	1.9	3.8	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS8	11:09:17	1.0	Surface	1	2	19.09	8.47	30.51	123.9	9.57	1.9	2.9	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS8	11:09:28	3.1	Bottom	3	1	19.06	8.47	30.51	123.9	9.58	2	3.6	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS8	11:09:05	3.1	Bottom	3	2	19.07	8.47	30.51	123.2	9.52	1.9	3.1	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS(Mf)9	11:26:42	1.0	Surface	1	1	19.18	8.5	30.31	128.9	9.95	2.4	2.2	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS(Mf)9	11:26:10	1.0	Surface	1	2	19.13	8.5	30.31	128.3	9.91	2.3	2.2	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS(Mf)9	11:26:28	2.4	Bottom	3	1	19.04	8.49	30.32	128.4	9.94	2.6	2.5	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS(Mf)9	11:26:00	2.4	Bottom	3	2	19.05	8.5	30.34	127.9	9.9	2.5	2.1	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS10	11:19:20	1.0	Surface	1	1	18.97	8.37	30.97	123.1	9.51	3.2	4.1	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS10	11:18:49	1.0	Surface	1	2	18.94	8.37	30.97	122.8	9.49	3.2	3.7	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS10	11:19:13	5.8	Middle	2	1	18.89	8.37	31.06	122.4	9.46	3.3	5	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS10	11:18:43	5.8	Middle	2	2	18.89	8.37	31.06	122.2	9.45	3.3	4.1	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS10	11:18:35	10.6	Bottom	3	1	18.91	8.37	31.05	122.1	9.44	3.3	5.2	

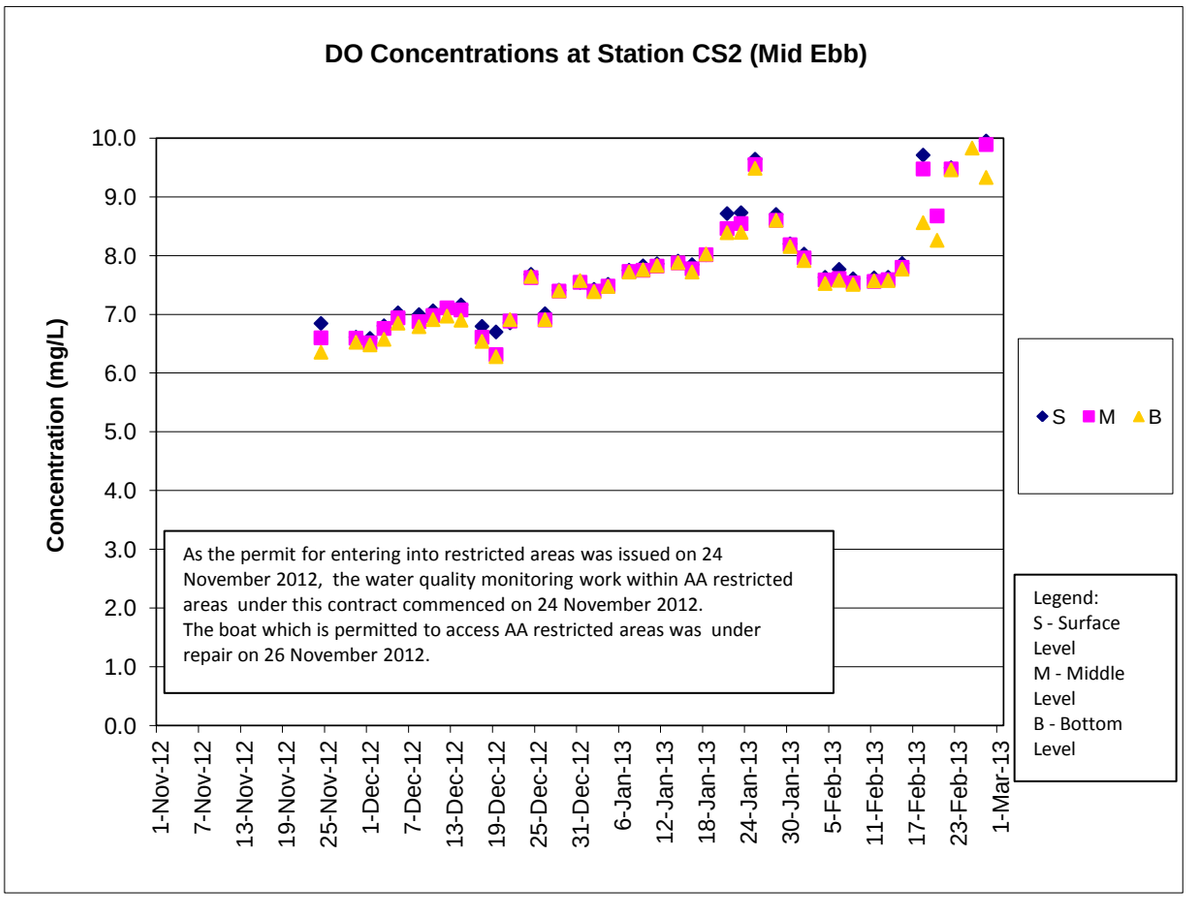
Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	IS10	11:19:04	10.6	Bottom	3	2	18.9	8.37	31.06	122.2	9.44	3.3	4.2	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	SR3	11:59:12	0.7	Middle	2	1	19.24	8.5	30.2	128.8	9.94	1.9	3.6	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	SR3	11:59:01	0.7	Middle	2	2	19.24	8.5	30.18	128.6	9.93	1.9	2.8	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	SR4	11:15:26	1.0	Surface	1	1	19.27	8.41	29.65	115	8.9	1.8	2.1	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	SR4	11:15:01	1.0	Surface	1	2	19.24	8.42	29.76	114.9	8.89	1.8	2.5	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	SR4	11:14:48	2.7	Bottom	3	1	19.09	8.41	30.31	114.4	8.85	2.2	2.2	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	SR4	11:15:12	2.7	Bottom	3	2	19.08	8.41	30.33	114.9	8.89	2.1	2.4	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	SR5	11:27:01	1.0	Surface	1	1	18.87	8.37	31.17	122.2	9.44	3.8	4.5	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	SR5	11:27:11	1.0	Surface	1	2	18.88	8.37	31.15	122.3	9.45	3.9	4.4	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	SR5	11:26:54	4.5	Bottom	3	1	18.88	8.37	31.16	122.1	9.44	3.9	4	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	SR5	11:27:06	4.5	Bottom	3	2	18.88	8.37	31.17	122.2	9.44	3.9	4.5	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	SR10A	10:06:29	1.0	Surface	1	1	18.68	8.31	31.31	99.3	7.7	1.9	2.2	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	SR10A	10:05:52	1.0	Surface	1	2	18.69	8.31	31.29	99.6	7.71	1.9	2.6	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	SR10A	10:06:17	3.3	Middle	2	1	18.65	8.31	31.34	98.9	7.67	1.9	2.2	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	SR10A	10:05:40	3.3	Middle	2	2	18.66	8.31	31.34	99.1	7.68	1.8	3	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	SR10A	10:05:23	5.5	Bottom	3	1	18.66	8.31	31.34	99.2	7.69	1.8	1.8	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	SR10A	10:06:09	5.5	Bottom	3	2	18.64	8.31	31.35	99	7.67	1.9	2.5	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	SR10B	10:00:43	1.0	Surface	1	1	18.58	8.3	31.46	98	7.6	1.9	2.7	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	SR10B	10:00:19	1.0	Surface	1	2	18.58	8.3	31.46	98.2	7.62	1.9	3	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	SR10B	10:00:31	4.3	Bottom	3	1	18.57	8.3	31.48	97.9	7.6	1.9	1.8	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	SR10B	10:00:07	4.3	Bottom	3	2	18.57	8.29	31.48	98.1	7.61	1.9	1.5	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	CS2	12:17:53	1.0	Surface	1	1	19.06	8.37	30.89	123.1	9.5	2.4	4.7	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	CS2	12:17:25	1.0	Surface	1	2	19.04	8.37	30.92	123	9.49	2.3	4.3	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	CS2	12:17:18	4.1	Middle	2	1	19.04	8.36	31.05	122.9	9.47	2.8	3.6	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	CS2	12:17:43	4.1	Middle	2	2	19.04	8.36	31.05	122.9	9.48	2.5	4.3	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	CS2	12:17:12	7.2	Bottom	3	1	19.05	8.36	31.08	122.8	9.46	2.9	4.2	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	CS2	12:17:36	7.2	Bottom	3	2	19.04	8.36	31.1	122.8	9.46	2.7	4.3	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	CS(Mf)5	10:38:07	1.0	Surface	1	1	18.85	8.38	30.9	107	8.28	1.9	2.3	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	CS(Mf)5	10:37:17	1.0	Surface	1	2	18.85	8.38	30.92	107.7	8.34	1.9	2.3	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	CS(Mf)5	10:37:55	6.2	Middle	2	1	18.78	8.35	31.11	104.6	8.1	1.8	1.8	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	CS(Mf)5	10:37:01	6.2	Middle	2	2	18.78	8.35	31.1	105.1	8.14	1.8	2.1	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	CS(Mf)5	10:37:43	11.3	Bottom	3	1	18.77	8.35	31.13	105.5	8.17	1.8	2.5	
HKLR	HY/2011/03	2013-02-22	Mid-Ebb	Sunny	CS(Mf)5	10:36:47	11.3	Bottom	3	2	18.77	8.35	31.12	106.5	8.25	1.8	2.1	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS5	15:07:42	1.0	Surface	1	1	19.65	8.47	30.27	132.3	10.13	2.1	3.4	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS5	15:08:10	1.0	Surface	1	2	19.61	8.46	30.25	131.9	10.11	2.2	4	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS5	15:08:00	4.3	Middle	2	1	19.25	8.45	30.31	129.7	10.01	2.1	3.5	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS5	15:07:31	4.3	Middle	2	2	19.24	8.46	30.29	130.2	10.04	2.1	2.4	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS5	15:07:20	7.5	Bottom	3	1	19.36	8.46	30.24	131.8	10.15	2.1	3.1	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS5	15:07:51	7.5	Bottom	3	2	19.36	8.46	30.23	131.2	10.1	2	3	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS(Mf)6	15:14:57	1.0	Surface	1	1	19.54	8.49	30.09	138.2	10.61	3.2	4	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS(Mf)6	15:14:38	1.0	Surface	1	2	19.57	8.49	30.06	137.9	10.59	3.1	3.9	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS(Mf)6	15:14:48	2.1	Bottom	3	1	19.36	8.48	30.15	137.5	10.59	3.5	3	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS(Mf)6	15:14:29	2.1	Bottom	3	2	19.38	8.48	30.15	136.6	10.52	3.5	3.8	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS7	15:21:31	1.0	Surface	1	1	19.65	8.48	30.09	141.3	10.83	3.1	4	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS7	15:21:51	1.0	Surface	1	2	19.66	8.48	30.09	141.4	10.83	3.1	5.1	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS7	15:21:40	2.0	Bottom	3	1	19.61	8.48	30.1	141	10.81	3.3	3.6	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS7	15:21:18	2.0	Bottom	3	2	19.61	8.48	30.09	140.7	10.79	3.5	4	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS8	15:45:49	1.0	Surface	1	1	19.49	8.48	30.3	143.6	11.02	2.2	3.9	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS8	15:46:11	1.0	Surface	1	2	19.49	8.48	30.29	144.4	11.08	2.2	3	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS8	15:45:59	2.8	Bottom	3	1	19.49	8.48	30.29	143.7	11.03	2.2	3.7	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS8	15:45:38	2.8	Bottom	3	2	19.48	8.48	30.3	142.7	10.96	2.1	3.8	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS(Mf)9	15:29:05	1.0	Surface	1	1	19.52	8.46	30.27	134.5	10.32	4.5	5.8	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS(Mf)9	15:28:43	1.0	Surface	1	2	19.5	8.46	30.28	134.1	10.29	4.6	4.3	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS(Mf)9	15:28:53	2.3	Bottom	3	1	19.48	8.45	30.28	134.2	10.3	4.7	4.8	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS(Mf)9	15:28:32	2.3	Bottom	3	2	19.46	8.45	30.29	133.4	10.25	4.8	5.4	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS10	15:52:51	1.0	Surface	1	1	19.31	8.5	30.77	135.9	10.44	1.6	2.5	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS10	15:53:31	1.0	Surface	1	2	19.3	8.5	30.76	136.5	10.49	1.5	2.5	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS10	15:53:26	5.7	Middle	2	1	19.26	8.49	30.79	135.1	10.38	1.5	3.5	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS10	15:52:47	5.7	Middle	2	2	19.29	8.49	30.78	134.3	10.32	1.6	2.6	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS10	15:52:35	10.3	Bottom	3	1	19.13	8.44	30.93	132.5	10.2	1.7	2.7	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	IS10	15:53:17	10.3	Bottom	3	2	19.18	8.46	30.87	134.4	10.34	1.6	2.3	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	SR3	14:56:33	0.8	Middle	2	1	19.68	8.48	30.28	133.2	10.19	2.3	3.3	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	SR3	14:56:25	0.8	Middle	2	2	19.65	8.48	30.27	132.6	10.15	2.2	3.4	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	SR4	15:39:35	1.0	Surface	1	1	19.87	8.48	30.11	139.4	10.64	2.5	3	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	SR4	15:39:14	1.0	Surface	1	2	19.88	8.48	30.11	137.8	10.52	2.4	3.9	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	SR4	15:39:24	2.8	Bottom	3	1	19.87	8.48	30.11	135.3	10.33	2.6	3.2	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	SR4	15:39:06	2.8	Bottom	3	2	19.86	8.48	30.11	130.9	9.99	2.5	4.1	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	SR5	15:42:08	1.0	Surface	1	1	19.34	8.51	30.74	139.9	10.74	1.7	4.8	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	SR5	15:42:22	1.0	Surface	1	2	19.34	8.51	30.74	139.9	10.74	1.8	4.5	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	SR5	15:41:59	4.6	Bottom	3	1	19.36	8.51	30.73	139.5	10.71	1.8	2	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	SR5	15:42:14	4.6	Bottom	3	2	19.35	8.51	30.73	140.1	10.75	2	2.9	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	SR10A	17:10:25	1.0	Surface	1	1	18.81	8.37	31.31	104.2	8.05	1.7	2.4	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	SR10A	17:10:59	1.0	Surface	1	2	18.77	8.36	31.34	103.3	7.99	1.8	3.4	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	SR10A	17:10:15	3.2	Middle	2	1	18.79	8.37	31.33	103.9	8.03	1.8	0.8	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	SR10A	17:10:49	3.2	Middle	2	2	18.76	8.36	31.35	103.3	7.99	1.8	1.5	

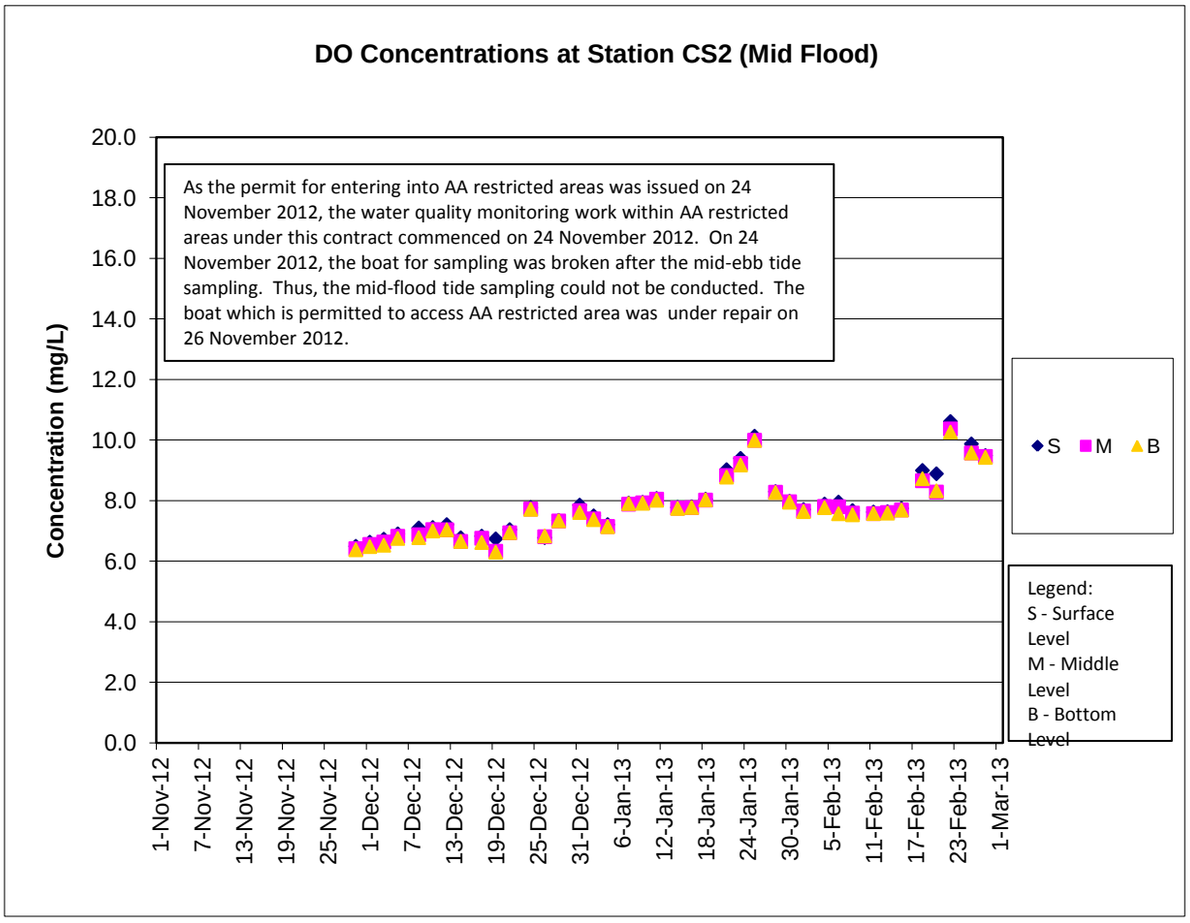
Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	SR10A	17:10:02	5.4	Bottom	3	1	18.78	8.37	31.33	104.2	8.05	1.8	1.6	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	SR10A	17:10:37	5.4	Bottom	3	2	18.77	8.37	31.34	103.7	8.02	1.9	0.9	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	SR10B	17:15:26	1.0	Surface	1	1	18.74	8.36	31.43	103.6	8.02	1.8	0.5	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	SR10B	17:15:47	1.0	Surface	1	2	18.73	8.36	31.43	103.6	8.01	1.7	0.8	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	SR10B	17:15:15	4.1	Bottom	3	1	18.73	8.36	31.43	103.6	8.01	1.7	0.7	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	SR10B	17:15:36	4.1	Bottom	3	2	18.73	8.36	31.43	103.5	8.01	1.7	1	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	CS2	14:45:23	1.0	Surface	1	1	19.31	8.56	30.68	137.7	10.59	1.8	1.9	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	CS2	14:46:07	1.0	Surface	1	2	19.32	8.56	30.65	138.4	10.63	1.7	2.3	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	CS2	14:45:59	4.2	Middle	2	1	19.24	8.54	30.7	134.4	10.34	1.9	2.2	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	CS2	14:45:18	4.2	Middle	2	2	19.21	8.54	30.76	134.9	10.39	1.9	2	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	CS2	14:45:09	7.3	Bottom	3	1	19.03	8.49	30.98	133.2	10.28	2.1	2.9	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	CS2	14:45:46	7.3	Bottom	3	2	18.94	8.46	31.11	132.6	10.24	2.1	2.1	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	CS(Mf)5	16:40:32	1.0	Surface	1	1	19.09	8.45	30.89	116.6	8.99	1.8	1.5	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	CS(Mf)5	16:39:41	1.0	Surface	1	2	19.1	8.46	30.88	117.2	9.03	1.9	1.8	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	CS(Mf)5	16:39:20	6.3	Middle	2	1	18.88	8.4	31.04	113.1	8.75	1.9	1.1	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	CS(Mf)5	16:40:21	6.3	Middle	2	2	19.06	8.44	30.9	113.4	8.74	1.9	1	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	CS(Mf)5	16:40:01	11.6	Bottom	3	1	18.76	8.38	31.19	111.9	8.67	1.8	1.7	
HKLR	HY/2011/03	2013-02-22	Mid-Flood	Sunny	CS(Mf)5	16:39:11	11.6	Bottom	3	2	18.82	8.4	31.14	109.8	8.49	1.8	1.9	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS5	13:56:11	1.0	Surface	1	1	18.89	8.51	31.21	125.9	9.72	2.3	3.2	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS5	13:55:37	1.0	Surface	1	2	18.91	8.52	31.2	125.9	9.72	2.2	2.3	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS5	13:55:58	4.3	Middle	2	1	18.75	8.5	31.29	124.6	9.64	2.4	2.9	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS5	13:55:24	4.3	Middle	2	2	18.74	8.5	31.3	124.1	9.61	2.4	2.7	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS5	13:55:14	7.5	Bottom	3	1	18.74	8.5	31.3	124.7	9.65	2.5	4.8	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS5	13:55:48	7.5	Bottom	3	2	18.76	8.5	31.28	125.2	9.69	2.5	4.3	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS(Mf)6	13:48:12	1.0	Surface	1	1	19.33	8.59	30.83	136.6	10.49	5.3	8.4	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS(Mf)6	13:48:57	1.0	Surface	1	2	19.32	8.58	30.83	136.8	10.5	5.4	7.8	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS(Mf)6	13:48:47	2.1	Bottom	3	1	19.33	8.58	30.83	136.6	10.49	5.2	7.7	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS(Mf)6	13:48:03	2.1	Bottom	3	2	19.33	8.59	30.83	136.4	10.47	5.1	6.9	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS7	13:36:17	1.0	Surface	1	1	19.3	8.58	30.86	138.5	10.64	5.2	7.4	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS7	13:37:07	1.0	Surface	1	2	19.31	8.59	30.86	139.2	10.69	5.2	6.6	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS7	13:36:47	2.1	Bottom	3	1	19.3	8.59	30.86	138.8	10.66	5.3	8.1	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS7	13:36:03	2.1	Bottom	3	2	19.29	8.58	30.86	138	10.6	5.1	7.4	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS8	12:45:50	1.0	Surface	1	1	19.12	8.54	31.08	136.4	10.49	1.6	3.1	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS8	12:46:11	1.0	Surface	1	2	19.13	8.54	31.08	136.7	10.52	1.6	4.3	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS8	12:46:01	3.1	Bottom	3	1	19.08	8.54	31.09	136.2	10.49	1.6	3.7	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS8	12:45:35	3.1	Bottom	3	2	19.07	8.54	31.1	135.5	10.43	1.5	4.5	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS(Mf)9	13:27:50	1.0	Surface	1	1	19.21	8.56	31.03	139.3	10.71	1.6	3.1	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS(Mf)9	13:26:45	1.0	Surface	1	2	19.22	8.56	31.03	137.7	10.58	1.6	4.1	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS(Mf)9	13:26:30	2.4	Bottom	3	1	19.2	8.56	31.04	135.4	10.41	1.6	2.6	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS(Mf)9	13:27:10	2.4	Bottom	3	2	19.21	8.56	31.03	138.1	10.61	1.7	2.8	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS10	12:43:58	1.0	Surface	1	1	18.9	8.41	31.66	129.6	9.98	3	4.7	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS10	12:42:48	1.0	Surface	1	2	18.9	8.41	31.66	128	9.85	2.9	3.6	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS10	12:42:29	5.3	Middle	2	1	18.8	8.38	31.69	123.6	9.53	3.1	4.1	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS10	12:43:31	5.3	Middle	2	2	18.81	8.39	31.69	125.8	9.7	3	3.1	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS10	12:42:16	9.5	Bottom	3	1	18.74	8.37	31.71	121.8	9.41	3.2	3.8	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	IS10	12:43:16	9.5	Bottom	3	2	18.74	8.37	31.71	125	9.65	3.1	3.6	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	SR3	14:01:00	0.6	Middle	2	1	18.81	8.51	31.27	125.1	9.67	2.1	4.8	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	SR3	14:01:09	0.6	Middle	2	2	18.83	8.52	31.26	125.9	9.73	2.1	4	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	SR4	12:52:28	1.0	Surface	1	1	19.31	8.52	30.86	132.1	10.14	2	4.5	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	SR4	12:52:47	1.0	Surface	1	2	19.29	8.52	30.86	132.4	10.17	1.9	3.4	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	SR4	12:52:38	2.9	Bottom	3	1	19.29	8.52	30.86	132	10.14	1.9	3.6	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	SR4	12:52:17	2.9	Bottom	3	2	19.29	8.53	30.86	131.4	10.09	1.8	4.4	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	SR5	12:53:09	1.0	Surface	1	1	18.98	8.4	31.72	128.1	9.85	3.2	4	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	SR5	12:53:56	1.0	Surface	1	2	18.95	8.4	31.72	129	9.92	3.4	4.6	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	SR5	12:52:48	4.3	Bottom	3	1	18.77	8.37	31.73	125.9	9.71	4.3	3.5	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	SR5	12:53:30	4.3	Bottom	3	2	18.78	8.38	31.72	127.1	9.8	4	4.5	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	SR10A	11:26:54	1.0	Surface	1	1	18.69	8.4	31.41	106.7	8.26	1.8	1.2	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	SR10A	11:26:18	1.0	Surface	1	2	18.66	8.39	31.43	106	8.21	1.9	1.6	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	SR10A	11:26:06	3.2	Middle	2	1	18.65	8.39	31.44	105.7	8.19	2.1	3.5	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	SR10A	11:26:39	3.2	Middle	2	2	18.66	8.39	31.43	105.9	8.21	2.2	4.3	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	SR10A	11:25:53	5.3	Bottom	3	1	18.65	8.39	31.44	105.8	8.19	2.2	2.6	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	SR10A	11:26:29	5.3	Bottom	3	2	18.65	8.39	31.44	105.9	8.21	2.2	2.2	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	SR10B	11:20:16	1.0	Surface	1	1	18.69	8.38	31.47	105.4	8.15	1.9	3.6	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	SR10B	11:19:58	1.0	Surface	1	2	18.69	8.38	31.46	105.3	8.15	1.8	5.2	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	SR10B	11:19:47	4.1	Bottom	3	1	18.68	8.38	31.46	104.7	8.1	1.8	3	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	SR10B	11:20:06	4.1	Bottom	3	2	18.68	8.38	31.47	105.3	8.15	1.9	2.3	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	CS2	14:02:04	1.0	Surface	1	1	19.06	8.4	31.67	133	10.21	1.7	3.5	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	CS2	14:01:06	1.0	Surface	1	2	19.06	8.4	31.68	133.5	10.25	1.6	2.8	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	CS2	14:00:47	3.6	Middle	2	1	19.01	8.38	31.67	130.4	10.02	1.7	2.8	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	CS2	14:01:46	3.6	Middle	2	2	18.98	8.38	31.69	130	9.99	1.8	3.3	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	CS2	14:01:32	6.2	Bottom	3	1	18.87	8.35	31.7	128.6	9.91	2.5	2.3	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	CS2	14:00:25	6.2	Bottom	3	2	18.84	8.34	31.71	126.5	9.75	2.6	2.5	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	CS(Mf)5	12:09:19	1.0	Surface	1	1	18.88	8.46	31.26	115.5	8.91	1.8	2.9	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	CS(Mf)5	12:10:08	1.0	Surface	1	2	18.9	8.47	31.25	116.5	8.99	1.8	2.9	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	CS(Mf)5	12:09:53	6.3	Middle	2	1	18.87	8.45	31.28	115	8.88	1.9	4.2	

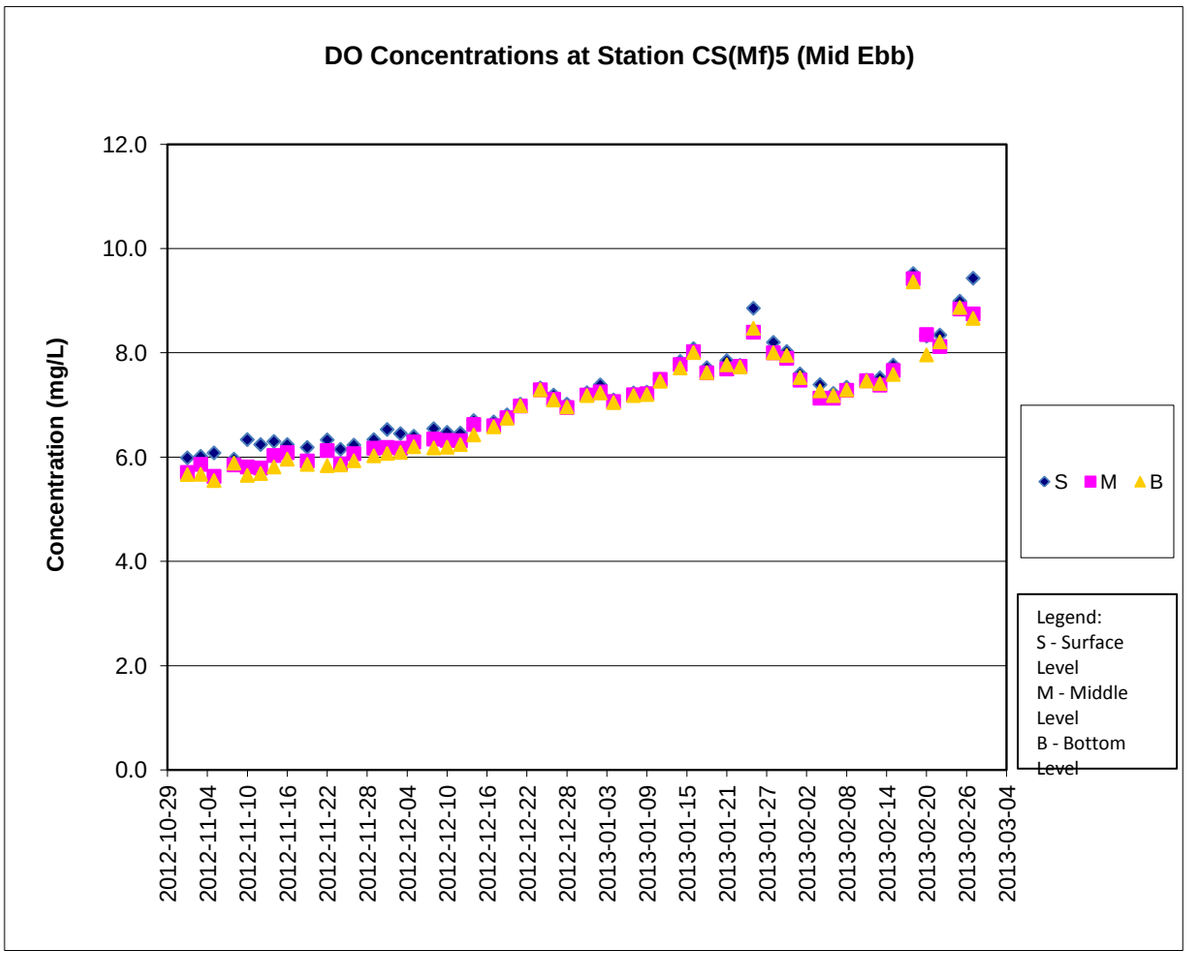
Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	CS(Mf)5	12:09:09	6.3	Middle	2	2	18.87	8.45	31.29	114	8.8	1.8	3.2	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	CS(Mf)5	12:09:41	11.5	Bottom	3	1	18.86	8.45	31.32	115.6	8.92	1.9	2.6	
HKLR	HY/2011/03	2013-02-25	Mid-Ebb	Sunny	CS(Mf)5	12:08:55	11.5	Bottom	3	2	18.81	8.44	31.37	114.1	8.82	1.9	2.3	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS5	17:29:49	1.0	Surface	1	1	19.31	8.51	30.9	140.3	10.77	2.2	6.2	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS5	17:30:23	1.0	Surface	1	2	19.31	8.51	30.89	140.3	10.77	2.3	4.7	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS5	17:29:40	4.2	Middle	2	1	19.29	8.5	30.91	139.7	10.73	2.5	3.5	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS5	17:30:11	4.2	Middle	2	2	19.27	8.5	30.92	139.5	10.72	2.5	3.4	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS5	17:30:01	7.4	Bottom	3	1	19.28	8.5	30.92	139.8	10.74	2.4	4.4	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS5	17:29:25	7.4	Bottom	3	2	19.29	8.51	30.91	140.2	10.76	2.4	5.2	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS(Mf)6	17:37:14	1.0	Surface	1	1	19.38	8.53	30.91	146.9	11.26	3.5	4.6	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS(Mf)6	17:37:35	1.0	Surface	1	2	19.38	8.53	30.91	147.7	11.32	3.3	5.6	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS(Mf)6	17:37:03	2.2	Bottom	3	1	19.38	8.53	30.91	145.7	11.17	4.1	4.3	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS(Mf)6	17:37:25	2.2	Bottom	3	2	19.38	8.53	30.9	147.2	11.28	4.2	5.8	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS7	17:43:49	1.0	Surface	1	1	19.35	8.51	30.97	144.3	11.06	3.8	6	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS7	17:44:11	1.0	Surface	1	2	19.35	8.51	30.97	145	11.11	3.7	5.9	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS7	17:44:00	2.2	Bottom	3	1	19.35	8.51	30.97	144.4	11.07	3.9	6.4	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS7	17:43:40	2.2	Bottom	3	2	19.35	8.51	30.97	143.8	11.02	3.6	5.5	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS8	18:07:26	1.0	Surface	1	1	19.35	8.49	31.08	147.2	11.28	2.2	3.6	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS8	18:07:06	1.0	Surface	1	2	19.35	8.49	31.07	147.2	11.28	2.3	2.3	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS8	18:06:53	2.8	Bottom	3	1	19.33	8.49	31.08	146.5	11.23	2.2	3.7	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS8	18:07:18	2.8	Bottom	3	2	19.32	8.49	31.09	147	11.27	2.3	2.7	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS(Mf)9	17:50:45	1.0	Surface	1	1	19.12	8.46	31.11	136.5	10.5	3	5.3	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS(Mf)9	17:51:02	1.0	Surface	1	2	19.12	8.46	31.1	137.2	10.55	3.2	4.1	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS(Mf)9	17:50:53	2.4	Bottom	3	1	19.11	8.46	31.1	136.8	10.53	3.1	5.3	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS(Mf)9	17:50:37	2.4	Bottom	3	2	19.11	8.46	31.09	136.2	10.48	3	5.5	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS10	18:21:56	1.0	Surface	1	1	18.95	8.36	31.74	129.6	9.97	2.2	3.9	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS10	18:23:00	1.0	Surface	1	2	18.93	8.36	31.75	128.3	9.87	2.4	3.5	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS10	18:21:29	5.4	Middle	2	1	18.92	8.36	31.75	127.7	9.83	2.4	2	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS10	18:22:48	5.4	Middle	2	2	18.9	8.36	31.76	127.4	9.8	2.6	2.8	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS10	18:21:06	9.8	Bottom	3	1	18.83	8.36	31.8	126.7	9.76	2.8	1.6	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	IS10	18:22:32	9.8	Bottom	3	2	18.84	8.35	31.8	126.8	9.77	3	1.3	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	SR3	17:22:57	0.6	Middle	2	1	19.22	8.49	30.97	132.6	10.19	2.6	5.2	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	SR3	17:22:49	0.6	Middle	2	2	19.22	8.49	30.98	132.2	10.16	2.7	5.6	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	SR4	18:01:49	1.0	Surface	1	1	19.27	8.5	31.04	149.8	11.5	4.1	2.1	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	SR4	18:01:30	1.0	Surface	1	2	19.28	8.5	31.03	149.4	11.46	4.3	2.3	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	SR4	18:01:19	2.7	Bottom	3	1	19.17	8.49	31.07	148.3	11.4	4.2	5.7	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	SR4	18:01:40	2.7	Bottom	3	2	19.18	8.49	31.06	149.6	11.5	4.2	4.1	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	SR5	18:09:54	1.0	Surface	1	1	18.98	8.38	31.74	132.4	10.17	1.8	2.1	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	SR5	18:09:15	1.0	Surface	1	2	18.98	8.38	31.74	132.2	10.16	2	2.3	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	SR5	18:09:35	4.6	Bottom	3	1	18.96	8.36	31.75	131.6	10.12	1.5	5.1	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	SR5	18:08:56	4.6	Bottom	3	2	18.96	8.36	31.75	130.8	10.06	1.4	4.4	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	SR10A	19:24:00	1.0	Surface	1	1	18.79	8.44	31.46	109.5	8.46	1.8	1.1	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	SR10A	19:24:38	1.0	Surface	1	2	18.78	8.43	31.46	109.5	8.46	1.7	1.2	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	SR10A	19:24:29	3.2	Middle	2	1	18.78	8.44	31.46	109.2	8.44	1.7	4	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	SR10A	19:23:51	3.2	Middle	2	2	18.78	8.44	31.46	109.3	8.45	1.8	2.5	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	SR10A	19:24:17	5.4	Bottom	3	1	18.78	8.44	31.47	109.1	8.43	1.8	2.1	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	SR10A	19:23:39	5.4	Bottom	3	2	18.79	8.44	31.46	109.2	8.43	1.8	2.6	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	SR10B	19:29:16	1.0	Surface	1	1	18.7	8.41	31.52	106.5	8.24	1.7	2.5	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	SR10B	19:29:40	1.0	Surface	1	2	18.7	8.41	31.52	106.5	8.24	1.8	3.4	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	SR10B	19:29:25	4.4	Bottom	3	1	18.7	8.41	31.52	106.3	8.22	1.8	2.6	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	SR10B	19:29:02	4.4	Bottom	3	2	18.7	8.41	31.52	106.2	8.21	1.8	3.7	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	CS2	17:01:07	1.0	Surface	1	1	19.32	8.42	30.87	126.3	9.7	1.9	2.7	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	CS2	17:02:05	1.0	Surface	1	2	19.34	8.41	30.83	130.8	10.04	1.8	2.9	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	CS2	17:00:53	3.8	Middle	2	1	18.87	8.43	31.82	120.5	9.28	2.6	4.8	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	CS2	17:01:47	3.8	Middle	2	2	18.84	8.42	31.86	128	9.86	2.4	3.7	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	CS2	17:01:33	6.6	Bottom	3	1	18.8	8.42	31.93	126.8	9.76	2.5	3.9	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	CS2	17:00:36	6.6	Bottom	3	2	18.81	8.42	31.91	121.5	9.38	2.9	2.6	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	CS(Mf)5	18:51:01	1.0	Surface	1	1	19	8.5	31.26	117.8	9.08	2.1	4.6	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	CS(Mf)5	18:50:20	1.0	Surface	1	2	18.96	8.48	31.29	115.8	8.93	2	4.5	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	CS(Mf)5	18:50:45	6.4	Middle	2	1	18.86	8.46	31.36	114.1	8.81	2.6	1	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	CS(Mf)5	18:50:09	6.4	Middle	2	2	18.86	8.46	31.35	114.4	8.83	2.6	0.9	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	CS(Mf)5	18:50:33	11.8	Bottom	3	1	18.86	8.46	31.34	116.1	8.96	2.6	2.3	
HKLR	HY/2011/03	2013-02-25	Mid-Flood	Fine	CS(Mf)5	18:49:55	11.8	Bottom	3	2	18.85	8.46	31.34	116.9	9.03	2.5	3	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS5	12:28:40	1.0	Surface	1	1	19.65	8.42	30.75	127.9	9.76	3.8	6.2	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS5	12:27:48	1.0	Surface	1	2	19.64	8.42	30.75	127.6	9.74	3.6	6.3	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS5	12:27:36	4.7	Middle	2	1	19.64	8.42	30.75	127.2	9.71	3.5	4.9	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS5	12:28:26	4.7	Middle	2	2	19.64	8.42	30.74	127.3	9.72	3.2	3.6	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS5	12:27:18	8.4	Bottom	3	1	19.64	8.42	30.74	126.8	9.68	3	5.4	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS5	12:28:06	8.4	Bottom	3	2	19.63	8.42	30.74	126.9	9.69	3.3	6.5	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS(Mf)6	12:35:20	1.0	Surface	1	1	19.92	8.43	30.95	125.5	9.52	5.7	9.3	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS(Mf)6	12:34:46	1.0	Surface	1	2	19.87	8.43	30.95	124.9	9.49	6	9.8	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS(Mf)6	12:35:04	2.5	Bottom	3	1	19.75	8.43	30.94	124.8	9.5	6.9	8.9	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS(Mf)6	12:34:34	2.5	Bottom	3	2	19.76	8.43	30.94	124.3	9.46	7.1	7.8	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS7	12:42:10	1.0	Surface	1	1	20.41	8.44	30.77	128.4	9.67	2.2	4	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS7	12:42:37	1.0	Surface	1	2	20.91	8.43	30.68	131.5	9.81	2	3.5	

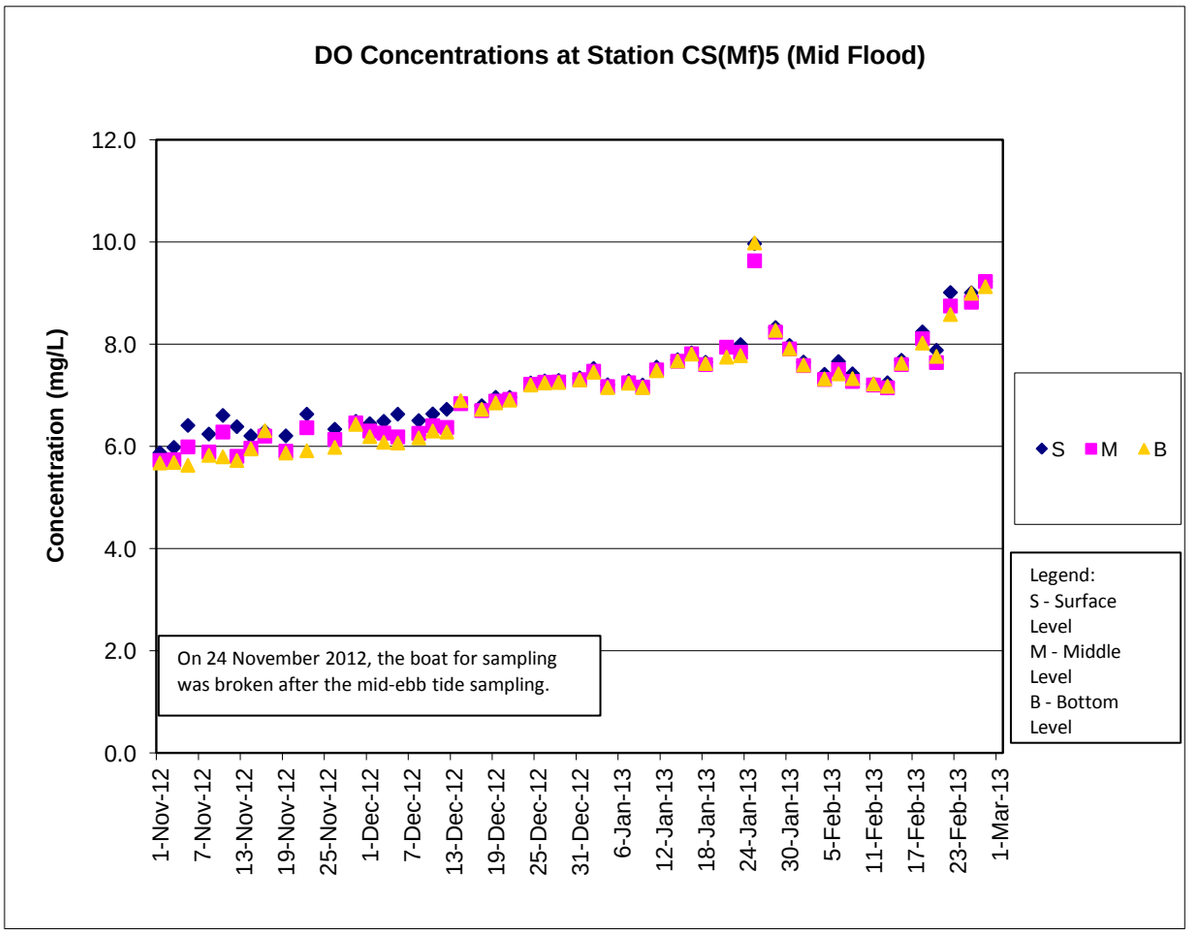
Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS7	12:41:54	2.4	Bottom	3	1	19.77	8.44	30.84	121.7	9.26	3	6.7	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS7	12:42:23	2.4	Bottom	3	2	19.69	8.45	30.89	128.6	9.8	2.7	7	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS8	13:06:14	1.0	Surface	1	1	19.82	8.45	30.9	130	9.89	2.4	3.1	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS8	13:05:53	1.0	Surface	1	2	19.93	8.45	30.88	127.2	9.66	2.2	2.6	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS8	13:05:44	2.3	Bottom	3	1	19.96	8.45	30.87	124.2	9.42	2.1	3	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS8	13:06:05	2.3	Bottom	3	2	19.74	8.45	30.91	128.7	9.8	2.2	2.4	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS(Mf)9	12:50:16	1.0	Surface	1	1	19.87	8.44	30.71	129.5	9.85	2.3	3.3	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS(Mf)9	12:49:54	1.0	Surface	1	2	19.87	8.43	30.68	126	9.58	2.5	4.7	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS(Mf)9	12:50:09	2.5	Bottom	3	1	19.62	8.44	30.78	127.9	9.77	2.7	4	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS(Mf)9	12:49:45	2.5	Bottom	3	2	19.64	8.44	30.76	121.7	9.29	3	3.5	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS10	14:22:12	1.0	Surface	1	1	20.36	8.48	30.33	129.4	9.78	2.6	5.5	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS10	14:21:24	1.0	Surface	1	2	20.22	8.48	30.53	127.8	9.66	2.5	4.6	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS10	14:21:58	5.3	Middle	2	1	19.52	8.46	30.98	124.8	9.54	3.3	3.8	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS10	14:21:13	5.3	Middle	2	2	19.5	8.46	31	123.3	9.43	3.4	3.3	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS10	14:21:40	9.6	Bottom	3	1	19.54	8.46	30.99	126.2	9.64	3.3	4.6	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	IS10	14:21:01	9.6	Bottom	3	2	19.47	8.45	31.04	123.3	9.43	3.4	3.4	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	SR3	12:16:27	0.9	Middle	2	1	19.69	8.43	30.74	118.6	9.05	2.9	4.1	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	SR3	12:16:37	0.9	Middle	2	2	19.64	8.43	30.78	121.6	9.29	3	3.6	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	SR4	13:00:33	1.0	Surface	1	1	20	8.41	30.79	126	9.56	1.8	2.4	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	SR4	13:00:07	1.0	Surface	1	2	19.98	8.42	30.75	126.2	9.57	1.6	2.1	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	SR4	12:59:53	2.3	Bottom	3	1	19.85	8.42	30.85	125.5	9.54	2.4	2.2	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	SR4	13:00:25	2.3	Bottom	3	2	19.95	8.41	30.74	125.7	9.54	2.2	3.4	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	SR5	14:08:53	1.0	Surface	1	1	20.11	8.47	30.67	127.4	9.65	2.1	2.2	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	SR5	14:09:19	1.0	Surface	1	2	20.09	8.48	30.71	129.9	9.84	2.2	3.3	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	SR5	14:08:41	3.5	Bottom	3	1	20.08	8.47	30.64	123.3	9.35	2.1	2.9	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	SR5	14:09:03	3.5	Bottom	3	2	20.07	8.48	30.68	128.8	9.78	2.1	3.9	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	SR10A	14:18:24	1.0	Surface	1	1	19.55	8.38	31.15	118.5	9.04	1.4	3.4	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	SR10A	14:19:17	1.0	Surface	1	2	19.56	8.38	31.14	120.1	9.16	1.5	4.3	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	SR10A	14:18:07	3.4	Middle	2	1	19.52	8.37	31.14	114.4	8.74	1.7	3.1	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	SR10A	14:19:02	3.4	Middle	2	2	19.51	8.37	31.16	119.2	9.1	1.6	3.6	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	SR10A	14:18:51	5.7	Bottom	3	1	19.42	8.37	31.18	118.6	9.07	2	2.1	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	SR10A	14:16:16	5.7	Bottom	3	2	19.27	8.35	31.25	114.9	8.81	2.2	2.2	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	SR10B	14:23:24	1.0	Surface	1	1	19.19	8.34	31.28	113.7	8.72	2.1	4.9	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	SR10B	14:24:03	1.0	Surface	1	2	19.19	8.34	31.28	113.8	8.74	1.8	3.8	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	SR10B	14:23:50	4.5	Bottom	3	1	19.19	8.34	31.28	113.5	8.71	2	1.5	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	SR10B	14:23:03	4.5	Bottom	3	2	19.19	8.34	31.28	113.3	8.69	2.3	1.5	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	CS2	12:32:33	1.0	Surface	1	1	20.29	8.51	30.67	129.3	9.86	4.5	4.7	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	CS2	12:33:09	1.0	Surface	1	2	20.15	8.51	30.72	132.7	10.04	4.6	5.6	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	CS2	12:32:57	3.8	Middle	2	1	19.6	8.51	31.04	130.1	9.92	4.7	1.7	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	CS2	12:32:14	3.8	Middle	2	2	19.48	8.5	31.16	130.7	9.86	4.6	1.9	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	CS2	12:32:45	6.6	Bottom	3	1	19.64	8.5	31.07	125.7	9.6	4.8	7.5	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	CS2	12:31:50	6.6	Bottom	3	2	19.47	8.49	31.18	118.6	9.06	4.8	8.3	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	CS(Mf)5	13:45:51	1.0	Surface	1	1	19.64	8.43	30.82	123.3	9.41	1.5	2.2	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	CS(Mf)5	13:47:14	1.0	Surface	1	2	19.59	8.43	30.77	123.4	9.43	1.5	3.3	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	CS(Mf)5	13:46:50	6.7	Middle	2	1	19.2	8.36	31	113.4	8.72	2.5	1.5	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	CS(Mf)5	13:45:27	6.7	Middle	2	2	19.2	8.37	31.01	114.1	8.77	2.4	1.5	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	CS(Mf)5	13:46:28	12.3	Bottom	3	1	19.04	8.33	31.23	111.9	8.62	3.1	2.6	
HKLR	HY/2011/03	2013-02-27	Mid-Ebb	Fine	CS(Mf)5	13:45:09	12.3	Bottom	3	2	19.03	8.33	31.24	113	8.7	3.5	3.7	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS5	08:21:57	1.0	Surface	1	1	19.53	8.41	31	122.6	9.37	2.2	2.8	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS5	08:23:24	1.0	Surface	1	2	19.52	8.41	31	122.8	9.39	2.1	2.3	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS5	08:21:41	4.9	Middle	2	1	19.52	8.42	31	122.4	9.35	2.4	3.1	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS5	08:23:06	4.9	Middle	2	2	19.51	8.42	31.01	122.5	9.36	2.2	2.1	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS5	08:21:19	8.7	Bottom	3	1	19.49	8.42	31.05	122.1	9.33	2.4	4.4	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS5	08:22:49	8.7	Bottom	3	2	19.49	8.42	31.06	122	9.32	2.2	3.3	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS(Mf)6	08:12:37	1.0	Surface	1	1	19.44	8.41	30.97	122.1	9.35	7.1	6.6	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS(Mf)6	08:13:05	1.0	Surface	1	2	19.44	8.41	30.97	122.1	9.35	6.7	6.8	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS(Mf)6	08:12:24	2.3	Bottom	3	1	19.45	8.41	31	121.9	9.33	7.6	4.8	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS(Mf)6	08:12:53	2.3	Bottom	3	2	19.44	8.41	30.96	122.1	9.34	7.2	4.5	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS7	08:03:34	1.0	Surface	1	1	19.45	8.41	30.98	122.2	9.35	3.5	6.1	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS7	08:04:04	1.0	Surface	1	2	19.45	8.41	30.98	122.3	9.36	3.9	6.1	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS7	08:03:54	2.3	Bottom	3	1	19.45	8.41	30.98	122.3	9.36	4.4	5.3	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS7	08:03:23	2.3	Bottom	3	2	19.45	8.41	30.98	121.8	9.32	4	4.8	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS8	07:39:41	1.0	Surface	1	1	19.43	8.42	30.68	122.1	9.36	3	3.4	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS8	07:39:17	1.0	Surface	1	2	19.43	8.42	30.67	121.8	9.34	2.6	3.4	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS8	07:39:07	2.6	Bottom	3	1	19.43	8.42	30.69	121.5	9.32	2.8	6.5	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS8	07:39:28	2.6	Bottom	3	2	19.43	8.42	30.69	121.9	9.35	2.7	7.2	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS(Mf)9	07:57:10	1.0	Surface	1	1	19.45	8.41	30.49	122.8	9.42	7.6	5.6	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS(Mf)9	07:56:33	1.0	Surface	1	2	19.44	8.41	30.49	122.5	9.41	6.8	6.4	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS(Mf)9	07:57:01	2.6	Bottom	3	1	19.44	8.41	30.5	122.7	9.42	8.3	5.8	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS(Mf)9	07:56:19	2.6	Bottom	3	2	19.44	8.41	30.5	122.2	9.38	9.1	6.5	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS10	07:53:10	1.0	Surface	1	1	19.47	8.42	30.96	122.2	9.35	4.5	7.6	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS10	07:52:24	1.0	Surface	1	2	19.47	8.42	30.96	121.9	9.32	4.4	6.6	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS10	07:52:52	5.1	Middle	2	1	19.47	8.42	30.98	121.5	9.3	4.6	5.5	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS10	07:52:11	5.1	Middle	2	2	19.46	8.42	31.01	121.3	9.28	4.7	5.9	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS10	07:52:38	9.1	Bottom	3	1	19.46	8.43	31.05	121.3	9.28	6.1	8.1	

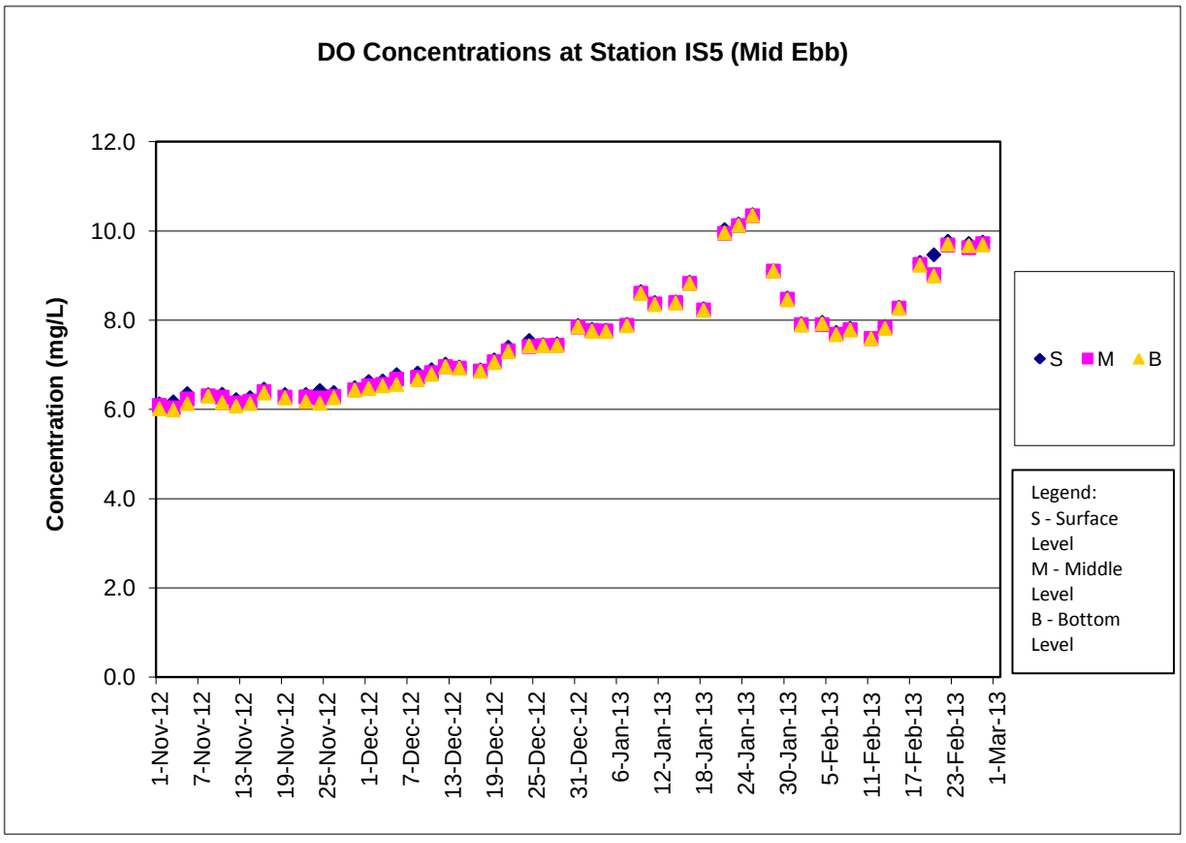
Project	Works	Date (yyyy-mm-dd)	Tide	Weather Condition	Station	Time	Depth, m	Level	Level_Code	Replicate	Temperature, °C	pH	Salinity, ppt	DO, %	DO, mg/L	Turbidity, NTU	SS, mg/L	Site Observation
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	IS10	07:52:00	9.1	Bottom	3	2	19.46	8.43	31.05	121.2	9.27	6	7.7	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	SR3	08:29:18	0.9	Middle	2	1	19.52	8.43	30.98	119.3	9.12	4.2	4.2	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	SR3	08:29:06	0.9	Middle	2	2	19.52	8.43	30.98	116.8	8.93	3.9	3.3	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	SR4	07:46:00	1.0	Surface	1	1	19.42	8.42	30.78	119.8	9.19	2.1	5.5	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	SR4	07:46:24	1.0	Surface	1	2	19.42	8.42	30.78	120.1	9.2	1.9	4.2	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	SR4	07:45:49	2.5	Bottom	3	1	19.42	8.41	30.78	119.5	9.16	2.3	4.1	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	SR4	07:46:12	2.5	Bottom	3	2	19.41	8.41	30.79	119.9	9.19	2.1	4.1	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	SR5	08:00:12	1.0	Surface	1	1	19.49	8.43	31	121	9.25	6.3	7.4	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	SR5	07:59:49	1.0	Surface	1	2	19.49	8.43	31	120.6	9.22	6.2	8.3	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	SR5	07:59:38	3.5	Bottom	3	1	19.48	8.43	31.05	120.1	9.18	6.8	6.8	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	SR5	08:00:01	3.5	Bottom	3	2	19.49	8.43	31.02	120.6	9.22	6.7	6.1	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	SR10A	06:36:53	1.0	Surface	1	1	19.08	8.41	31.11	113.1	8.71	1.9	5.5	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	SR10A	06:36:10	1.0	Surface	1	2	19.12	8.42	31.05	113.5	8.74	1.8	6.8	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	SR10A	06:35:58	3.5	Middle	2	1	19.07	8.41	31.12	112.5	8.67	2.4	3.2	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	SR10A	06:36:39	3.5	Middle	2	2	19.05	8.4	31.17	112.4	8.66	2.3	2.6	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	SR10A	06:36:27	6	Bottom	3	1	19.04	8.4	31.19	112.6	8.68	2.7	7.7	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	SR10A	06:35:43	6	Bottom	3	2	19.04	8.4	31.19	112.6	8.67	2.5	6.5	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	SR10B	06:29:20	1.0	Surface	1	1	18.93	8.39	31.39	108	8.33	3	5.8	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	SR10B	06:29:43	1.0	Surface	1	2	18.93	8.39	31.38	108.1	8.34	2.8	4.4	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	SR10B	06:29:32	4.6	Bottom	3	1	18.93	8.39	31.38	107.9	8.32	2.7	5.5	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	SR10B	06:29:04	4.6	Bottom	3	2	18.92	8.39	31.39	107.6	8.3	2.9	6	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	CS2	09:36:53	1.0	Surface	1	1	19.41	8.43	31.03	124	9.49	5.5	7.7	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	CS2	09:36:02	1.0	Surface	1	2	19.42	8.43	31.02	123.9	9.48	5.6	6.5	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	CS2	09:35:46	4.0	Middle	2	1	19.35	8.43	31.18	123.5	9.46	5.5	6.5	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	CS2	09:36:40	4.0	Middle	2	2	19.35	8.43	31.18	123.4	9.45	5.4	5.1	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	CS2	09:36:22	6.9	Bottom	3	1	19.34	8.43	31.19	123	9.42	5.8	8.9	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	CS2	09:35:23	6.9	Bottom	3	2	19.34	8.42	31.2	123.1	9.43	5.8	7.5	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	CS(Mf)5	07:05:20	1.0	Surface	1	1	19.3	8.39	30.73	120.2	9.23	2.9	2.6	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	CS(Mf)5	07:04:14	1.0	Surface	1	2	19.29	8.39	30.74	120	9.22	3.2	2.1	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	CS(Mf)5	07:03:54	6.9	Middle	2	1	19.25	8.38	30.89	118.7	9.12	9.4	3.5	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	CS(Mf)5	07:04:57	6.9	Middle	2	2	19.25	8.39	30.89	118.7	9.13	9.3	4	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	CS(Mf)5	07:04:35	12.8	Bottom	3	1	19.25	8.38	30.89	118.8	9.13	9.1	2.5	
HKLR	HY/2011/03	2013-02-27	Mid-Flood	Fine	CS(Mf)5	07:03:38	12.8	Bottom	3	2	19.25	8.38	30.89	118.7	9.12	9.6	2.7	

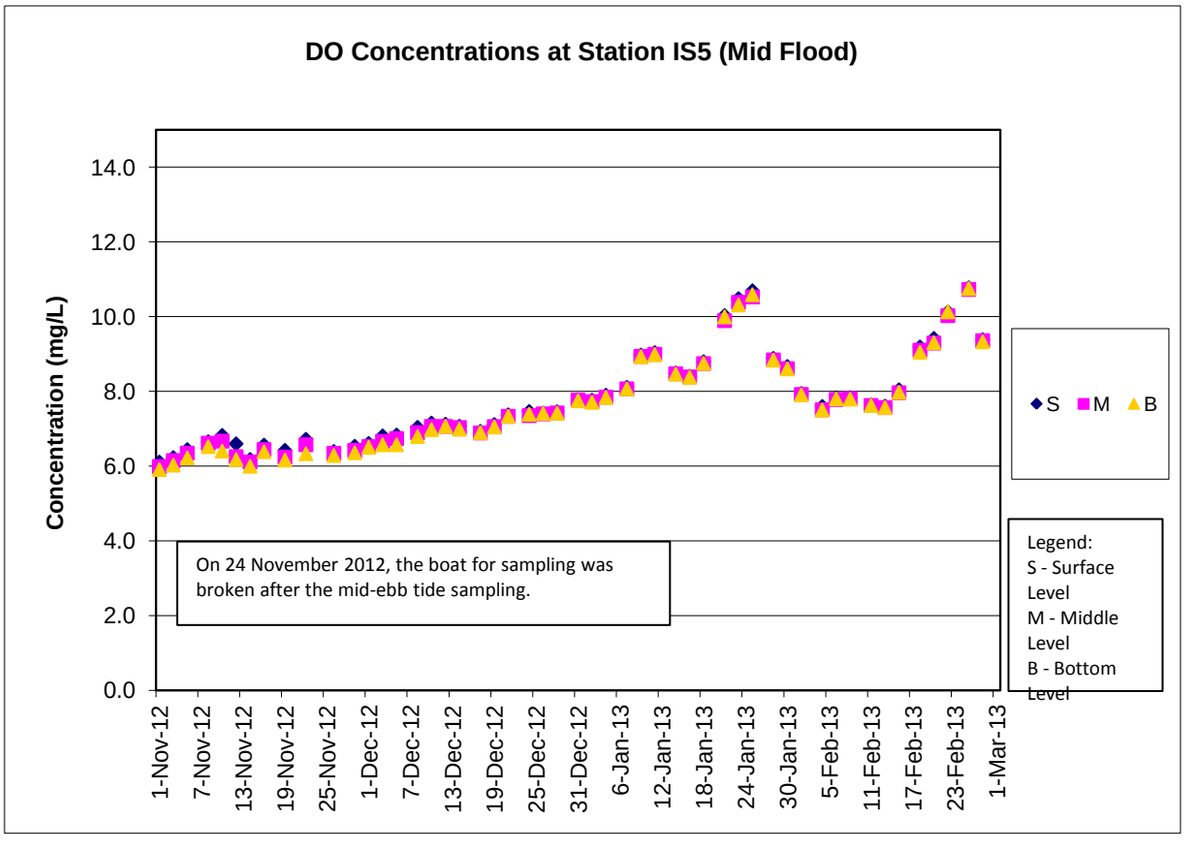

DO Concentrations at Station CS2 (Mid Ebb)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
As the permit for entering into restricted areas was issued on 24 November 2012, the water quality monitoring work within AA restricted areas under this contract commenced on 24 November 2012.
The boat which is permitted to access AA restricted areas was under repair on 26 November 2012.
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

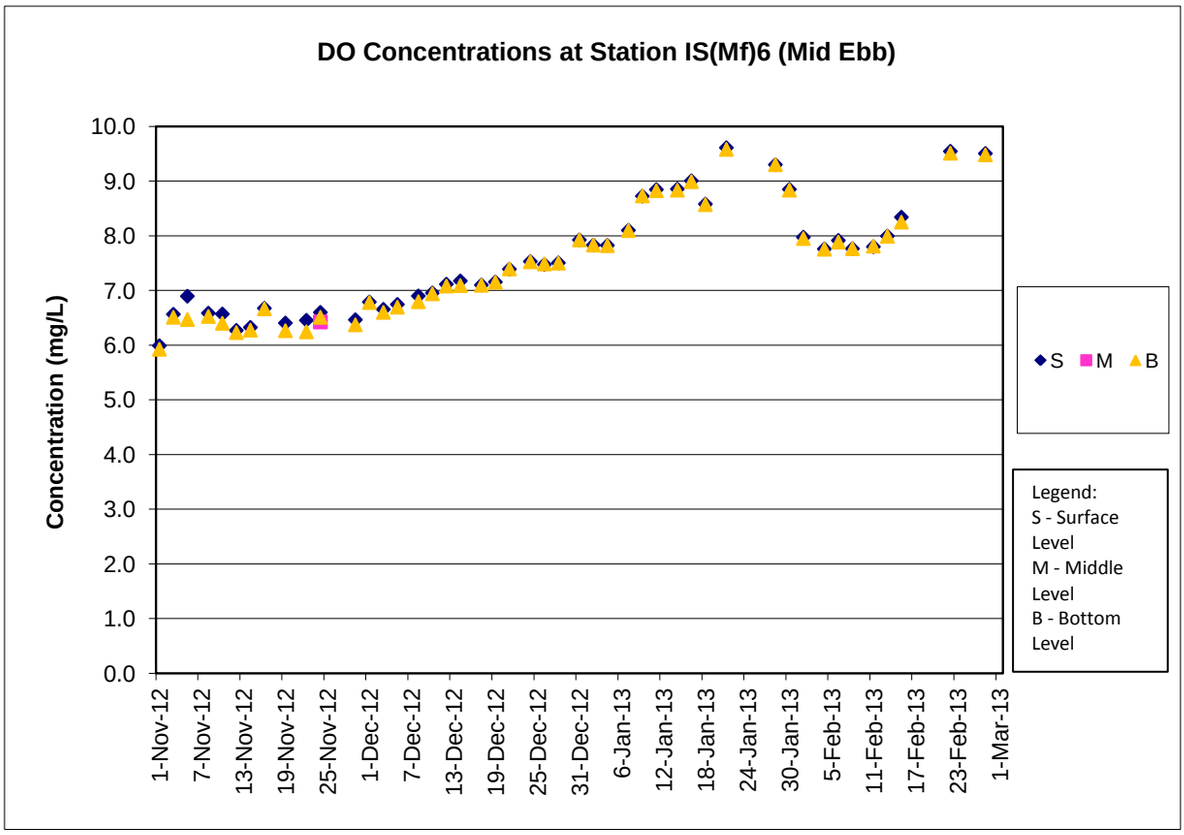

DO Concentrations at Station CS2 (Mid Flood)
Concentration (mg/L)
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
As the permit for entering into AA restricted areas was issued on 24 November 2012, the water quality monitoring work within AA restricted areas under this contract commenced on 24 November 2012. On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling. Thus, the mid-flood tide sampling could not be conducted. The boat which is permitted to access AA restricted area was under repair on 26 November 2012.
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

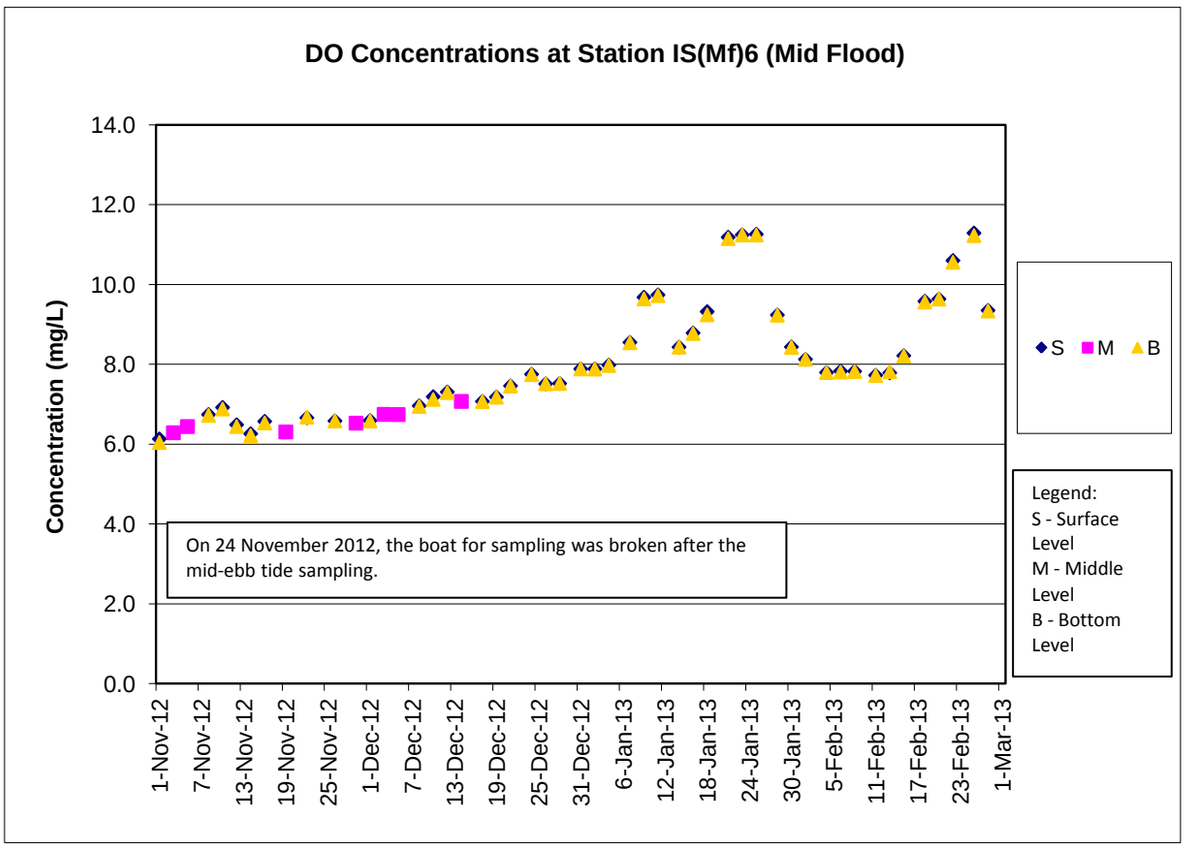

DO Concentrations at Station CS(Mf)5 (Mid Ebb)
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2012-10-29
2012-11-04
2012-11-10
2012-11-16
2012-11-22
2012-11-28
2012-12-04
2012-12-10
2012-12-16
2012-12-22
2012-12-28
2013-01-03
2013-01-09
2013-01-15
2013-01-21
2013-01-27
2013-02-02
2013-02-08
2013-02-14
2013-02-20
2013-02-26
2013-03-04
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

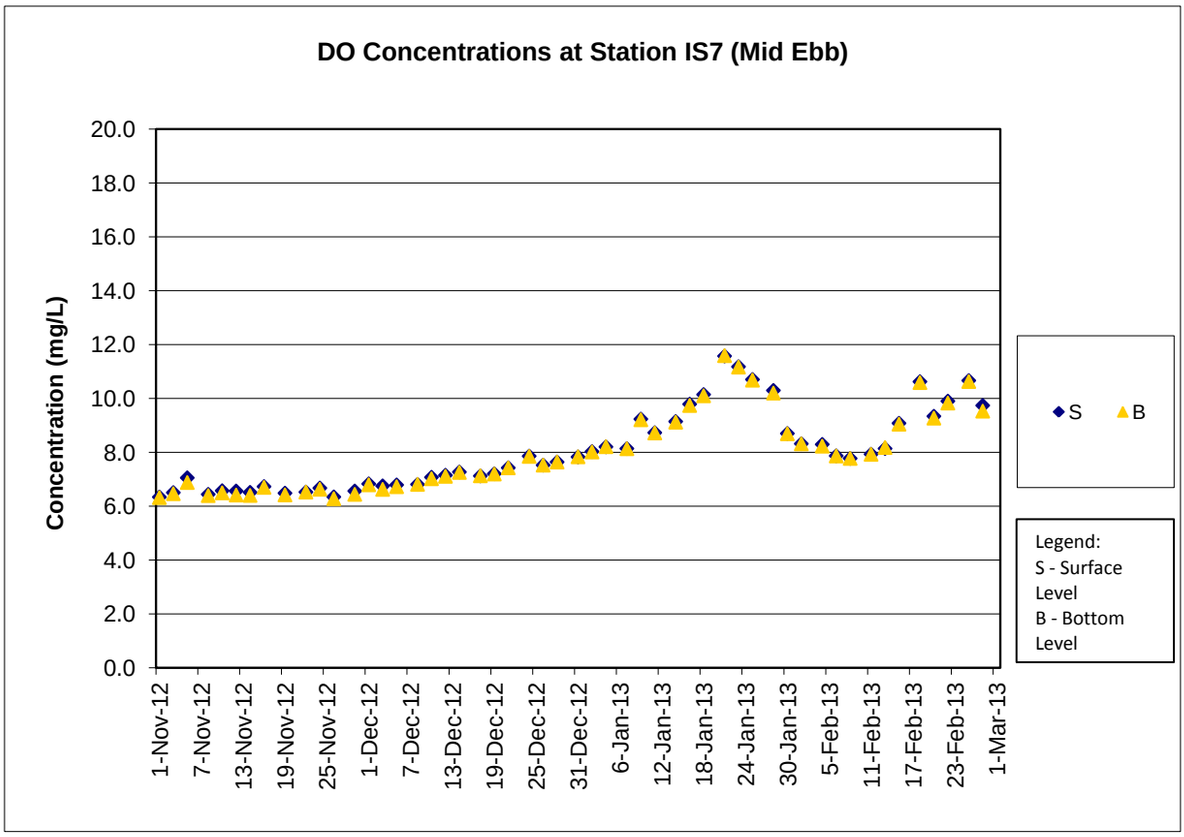

DO Concentrations at Station CS(Mf)5 (Mid Flood)
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

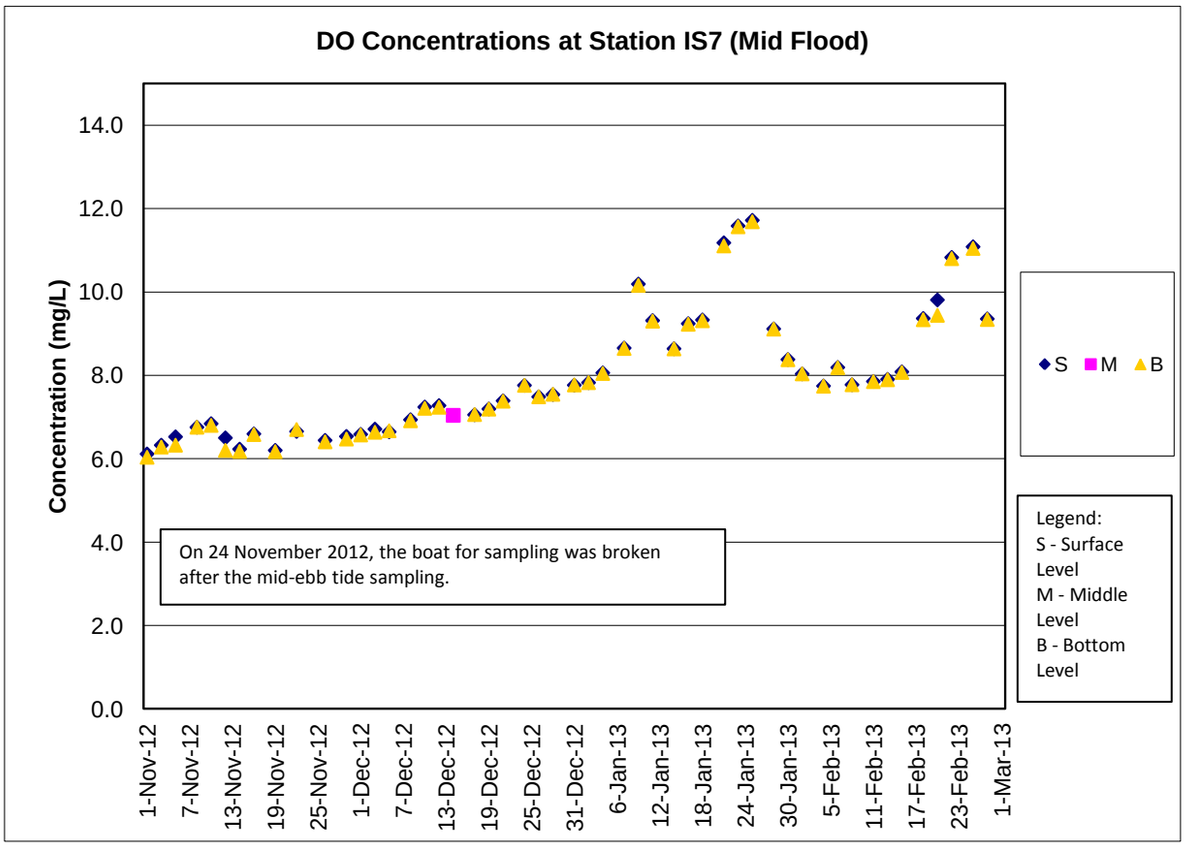

DO Concentrations at Station IS5 (Mid Ebb)
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

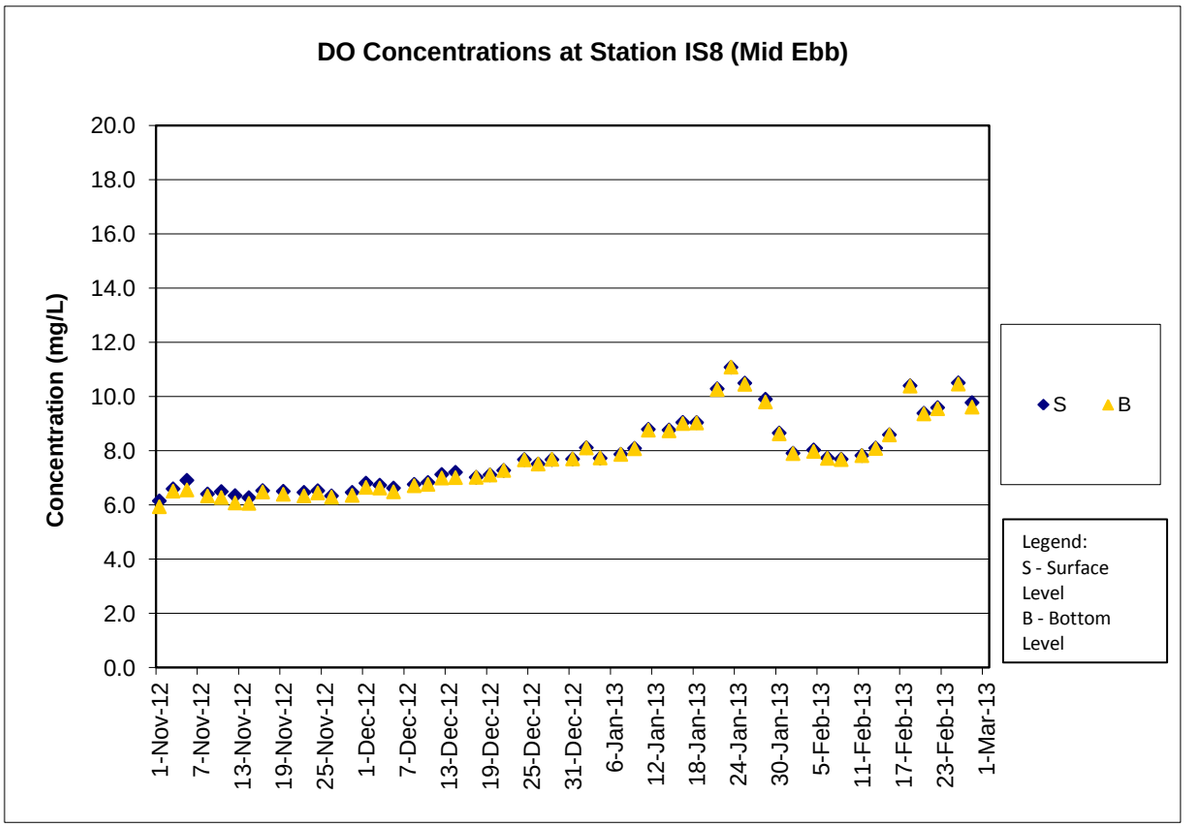

DO Concentrations at Station IS5 (Mid Flood)
Concentration (mg/L)
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.

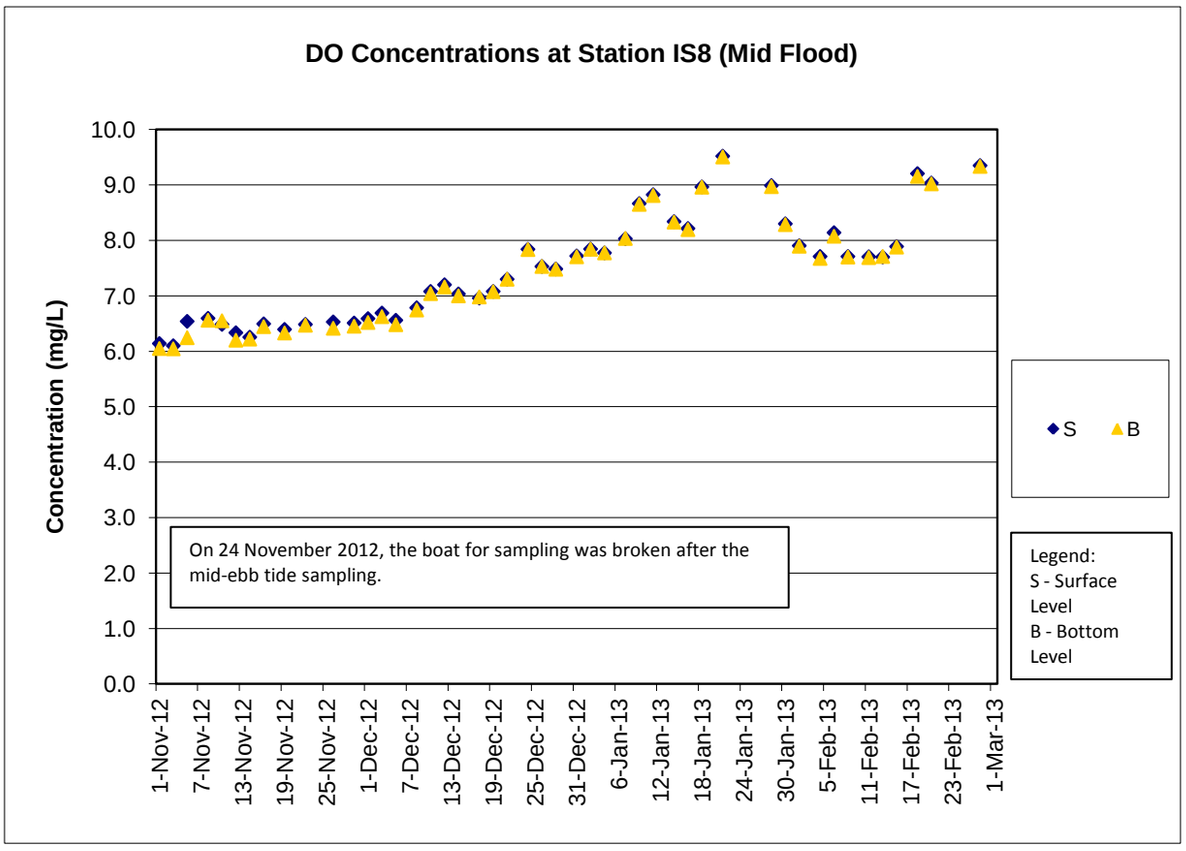

DO Concentrations at Station IS(Mf)6 (Mid Ebb)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

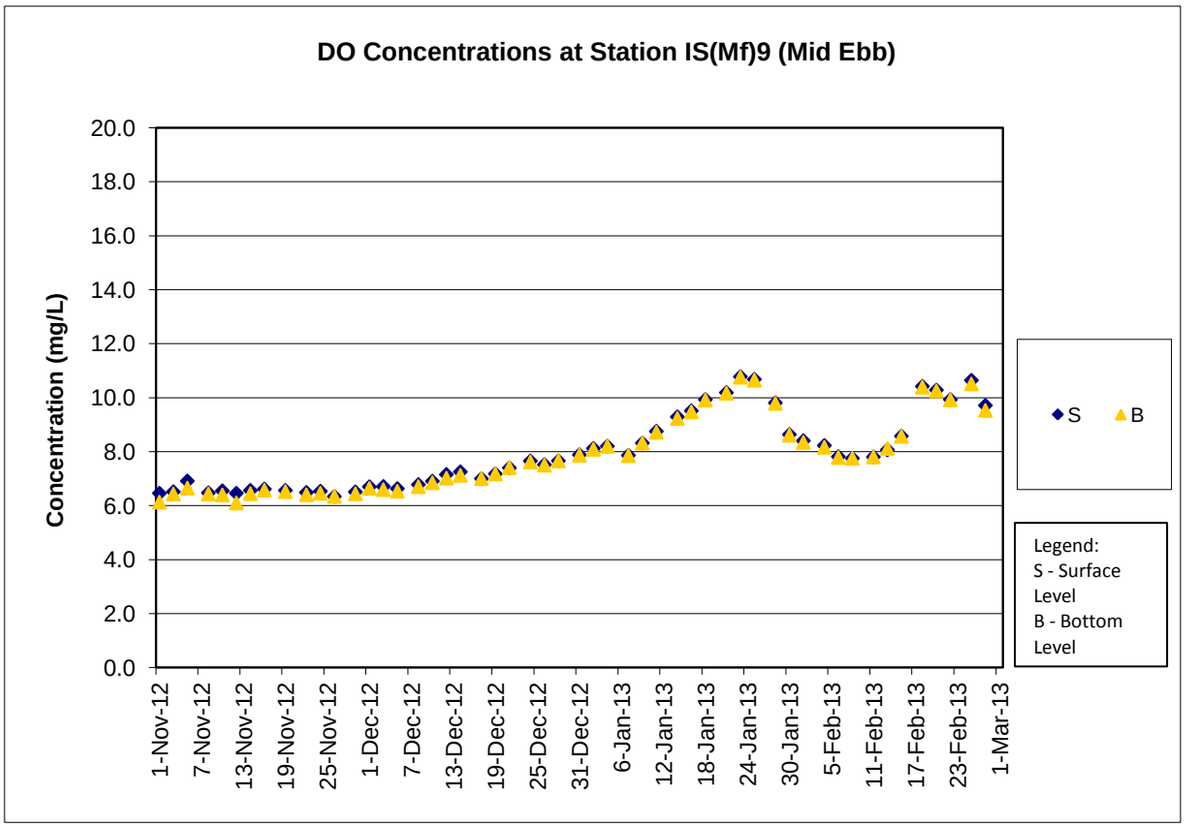

DO Concentrations at Station IS(Mf)6 (Mid Flood)
Concentration (mg/L)
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.

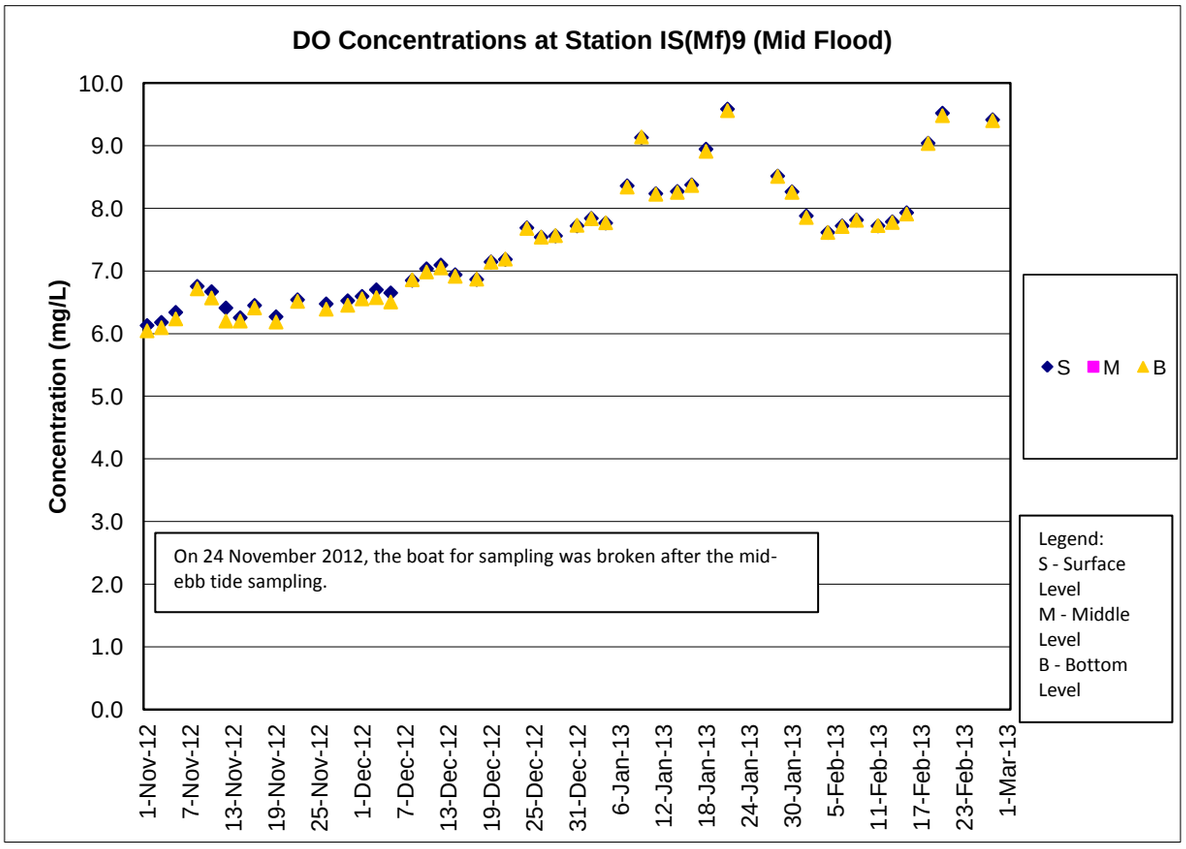

DO Concentrations at Station IS7 (Mid Ebb)
Concentration (mg/L)
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
B
Legend:
S - Surface Level
B - Bottom Level

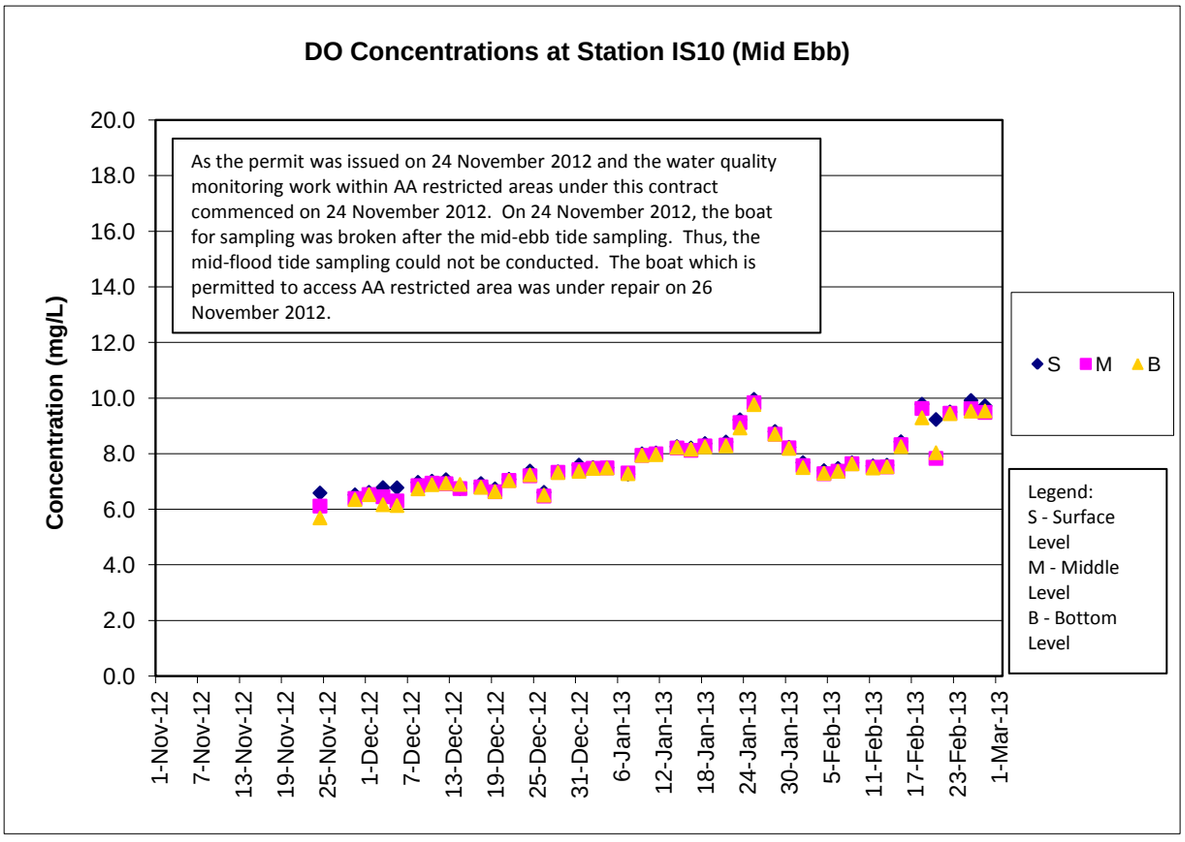

DO Concentrations at Station IS7 (Mid Flood)
Concentration (mg/L)
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.
S
M
B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

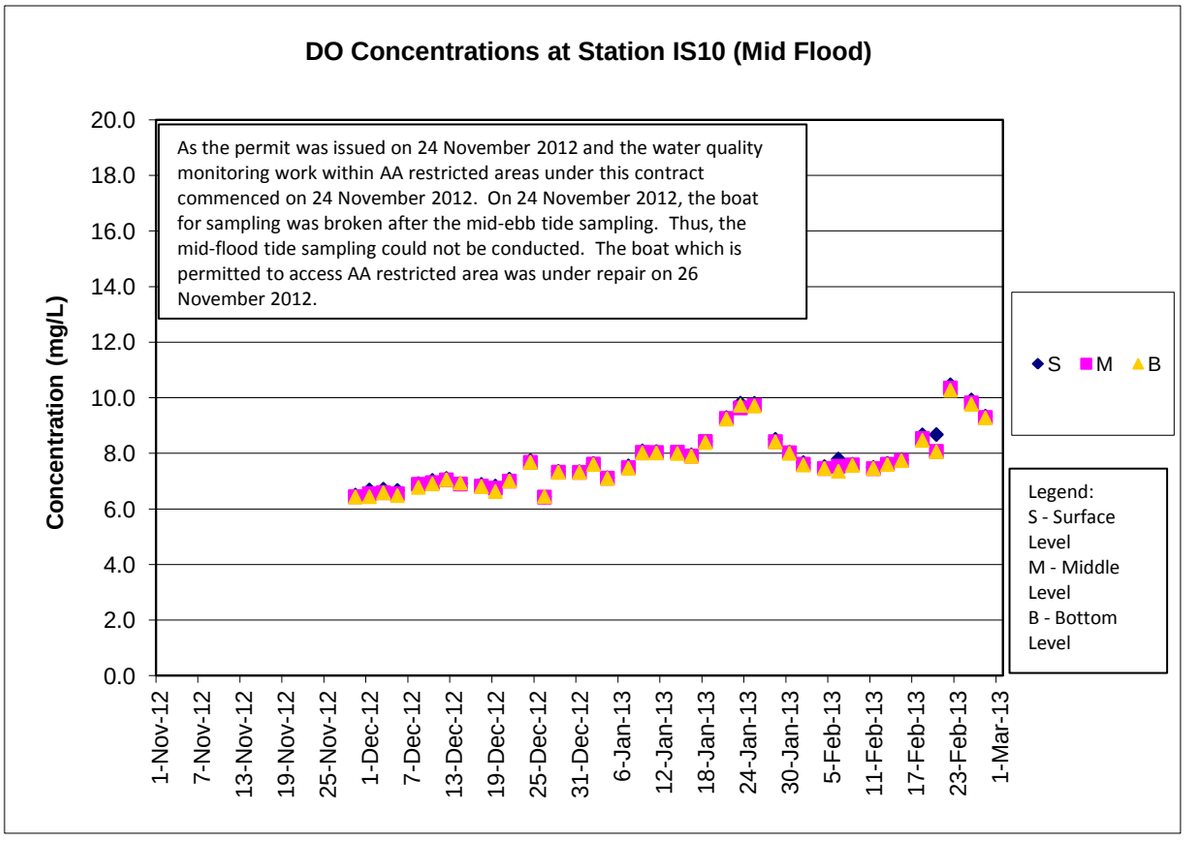

DO Concentrations at Station IS8 (Mid Ebb)
Concentration (mg/L)
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
B
Legend:
S - Surface Level
B - Bottom Level

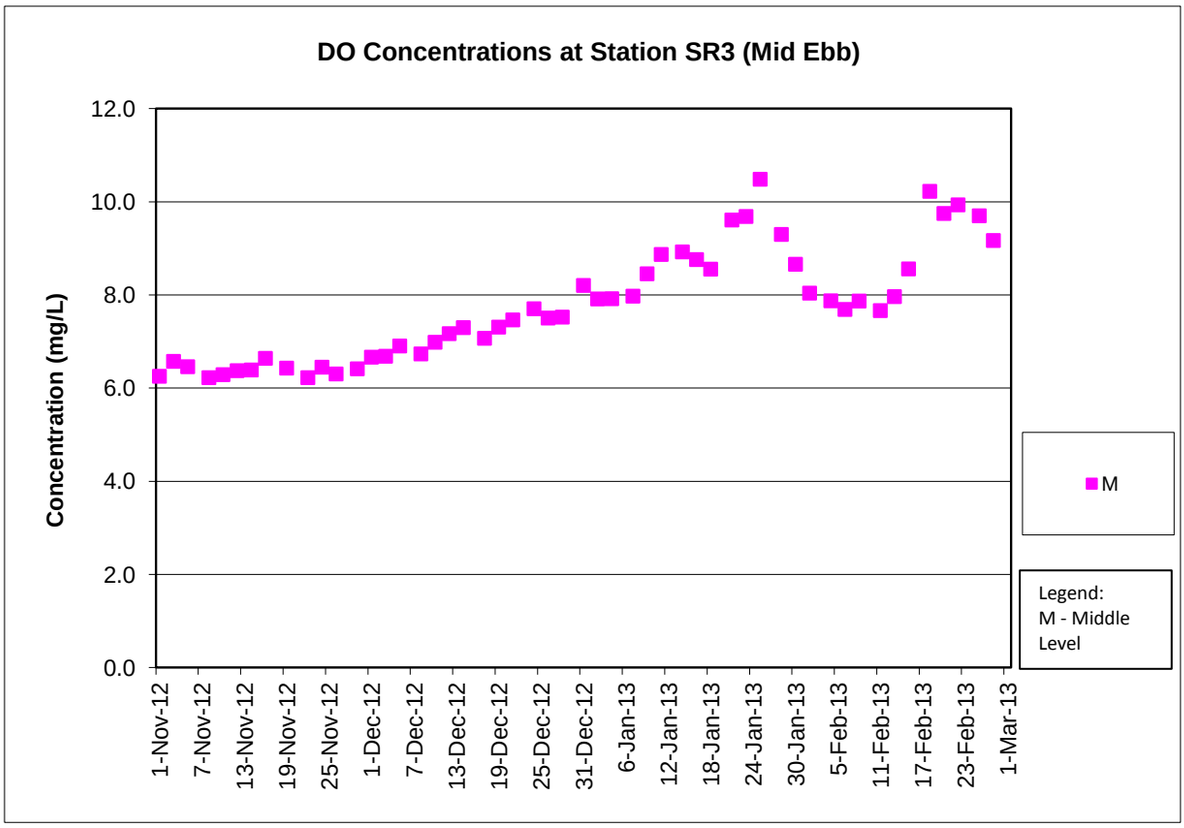

DO Concentrations at Station IS8 (Mid Flood)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.
S
B
Legend:
S - Surface Level
B - Bottom Level

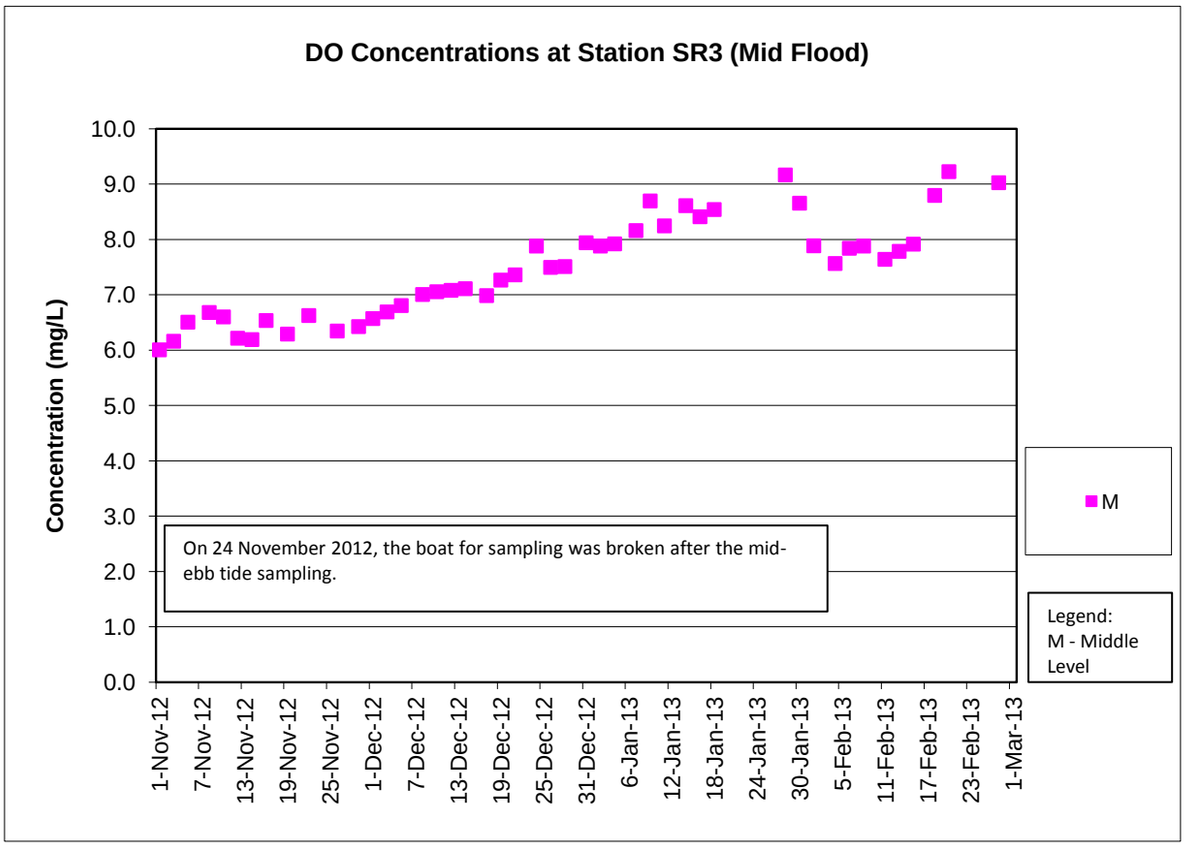

DO Concentrations at Station IS(Mf)9 (Mid Ebb)
Concentration (mg/L)
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
B
Legend:
S - Surface Level
B - Bottom Level

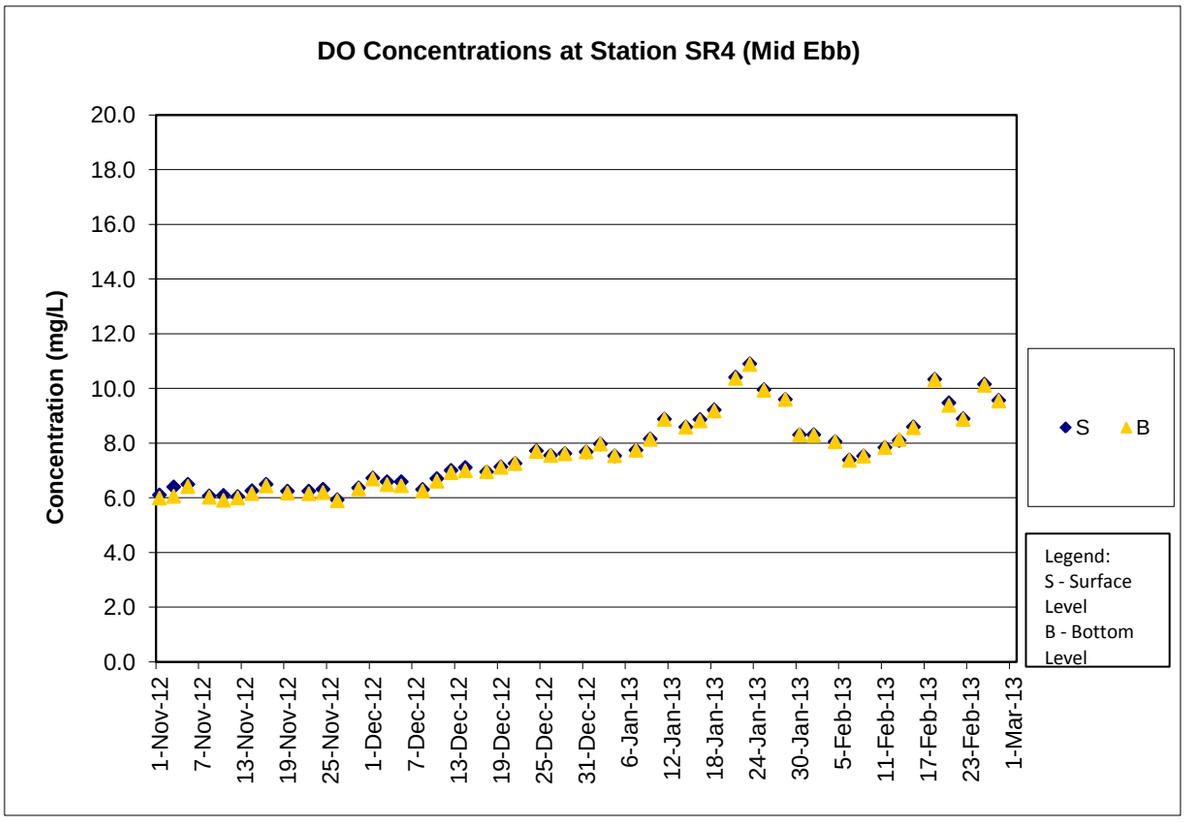

DO Concentrations at Station IS(Mf)9 (Mid Flood)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
M
B
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

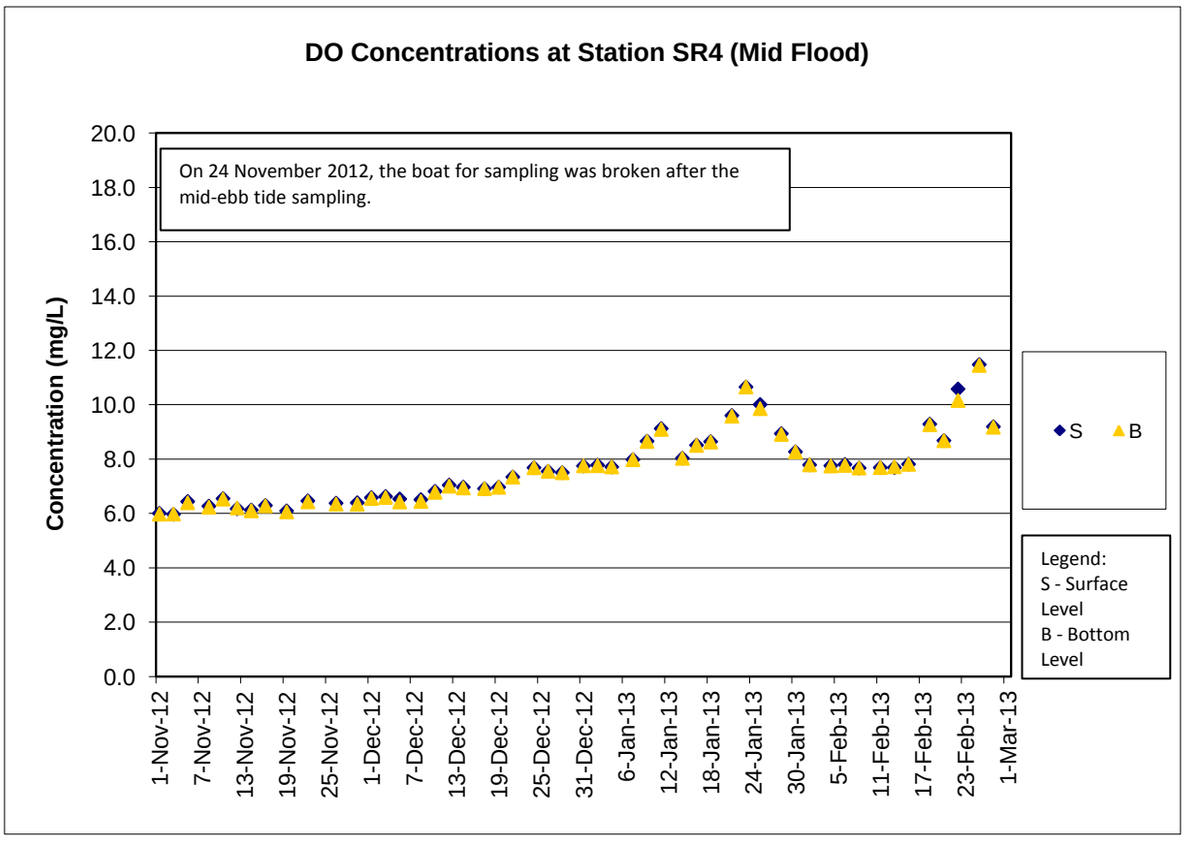

DO Concentrations at Station IS10 (Mid Ebb)
As the permit was issued on 24 November 2012 and the water quality monitoring work within AA restricted areas under this contract commenced on 24 November 2012. On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling. Thus, the mid-flood tide sampling could not be conducted. The boat which is permitted to access AA restricted area was under repair on 26 November 2012.
Concentration (mg/L)
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
M
B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

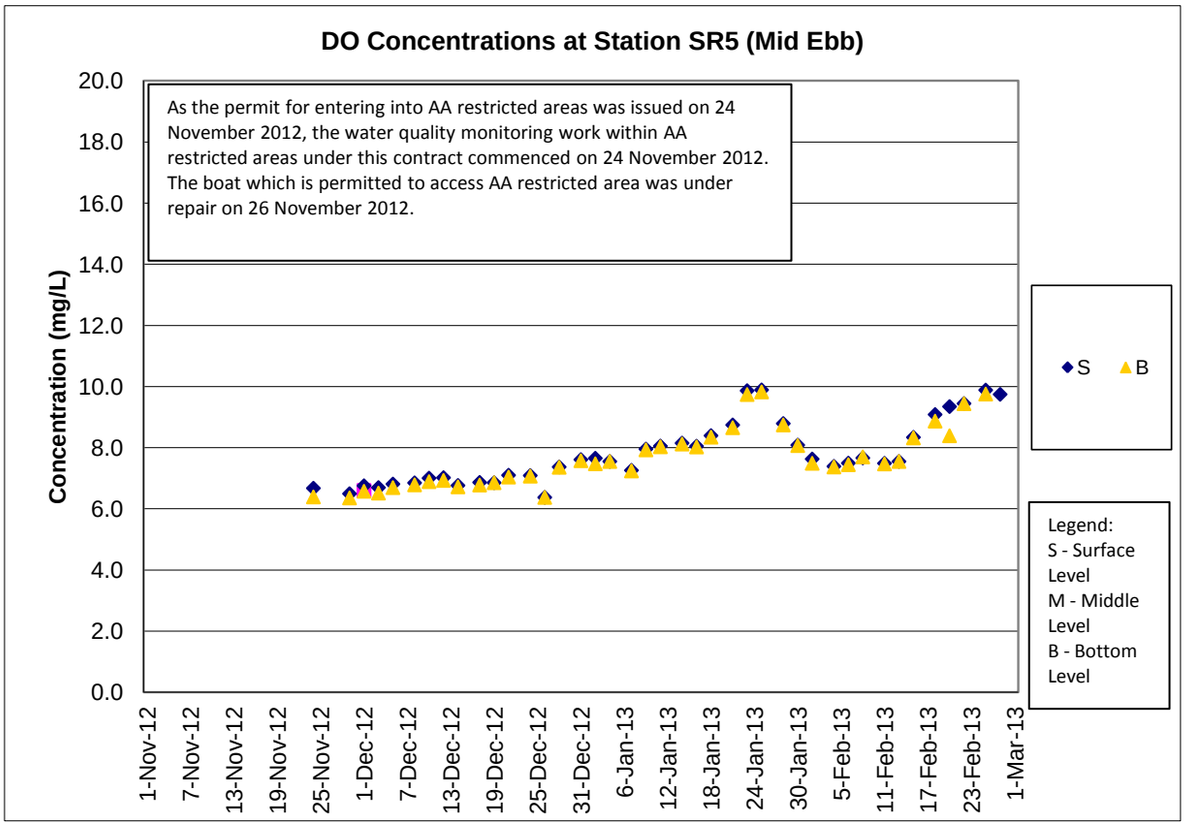

DO Concentrations at Station IS10 (Mid Flood)
As the permit was issued on 24 November 2012 and the water quality monitoring work within AA restricted areas under this contract commenced on 24 November 2012. On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling. Thus, the mid-flood tide sampling could not be conducted. The boat which is permitted to access AA restricted area was under repair on 26 November 2012.
Concentration (mg/L)
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
M
B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

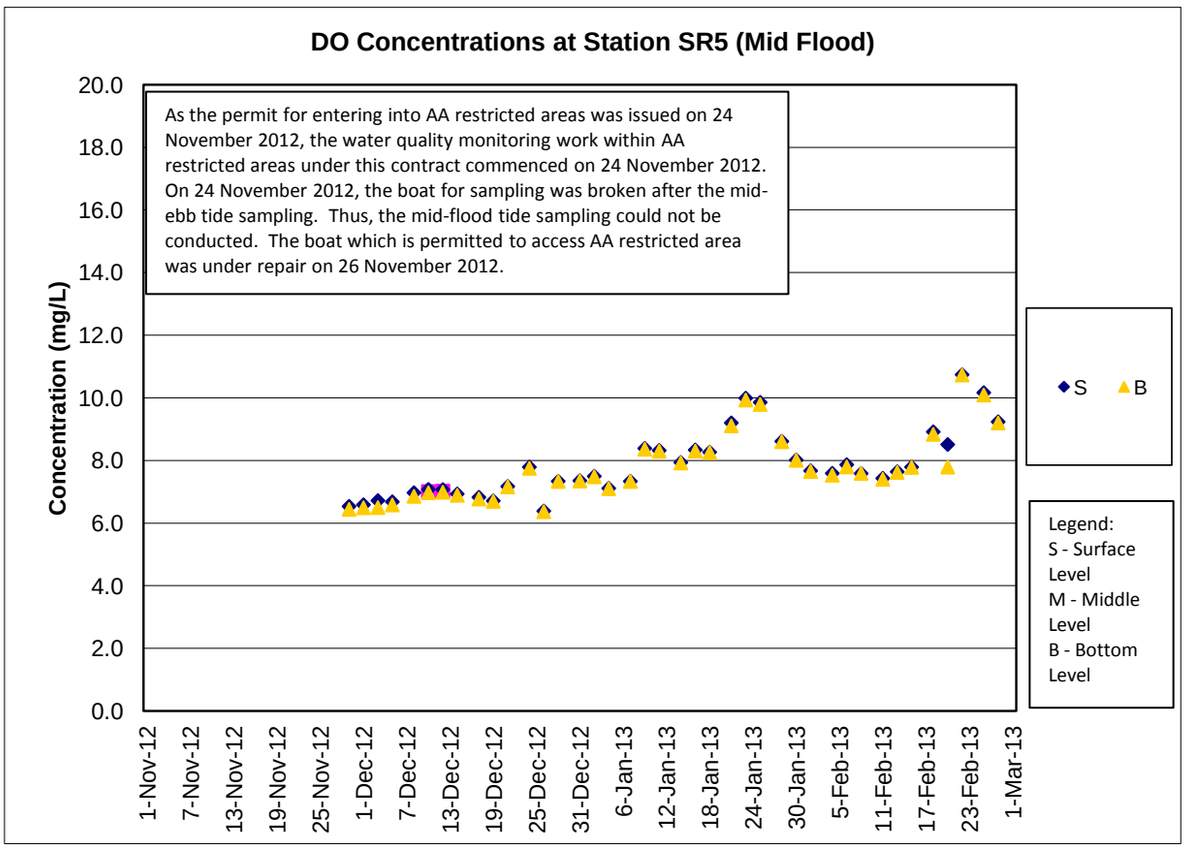

DO Concentrations at Station SR3 (Mid Ebb)
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
M
Legend:
M - Middle Level

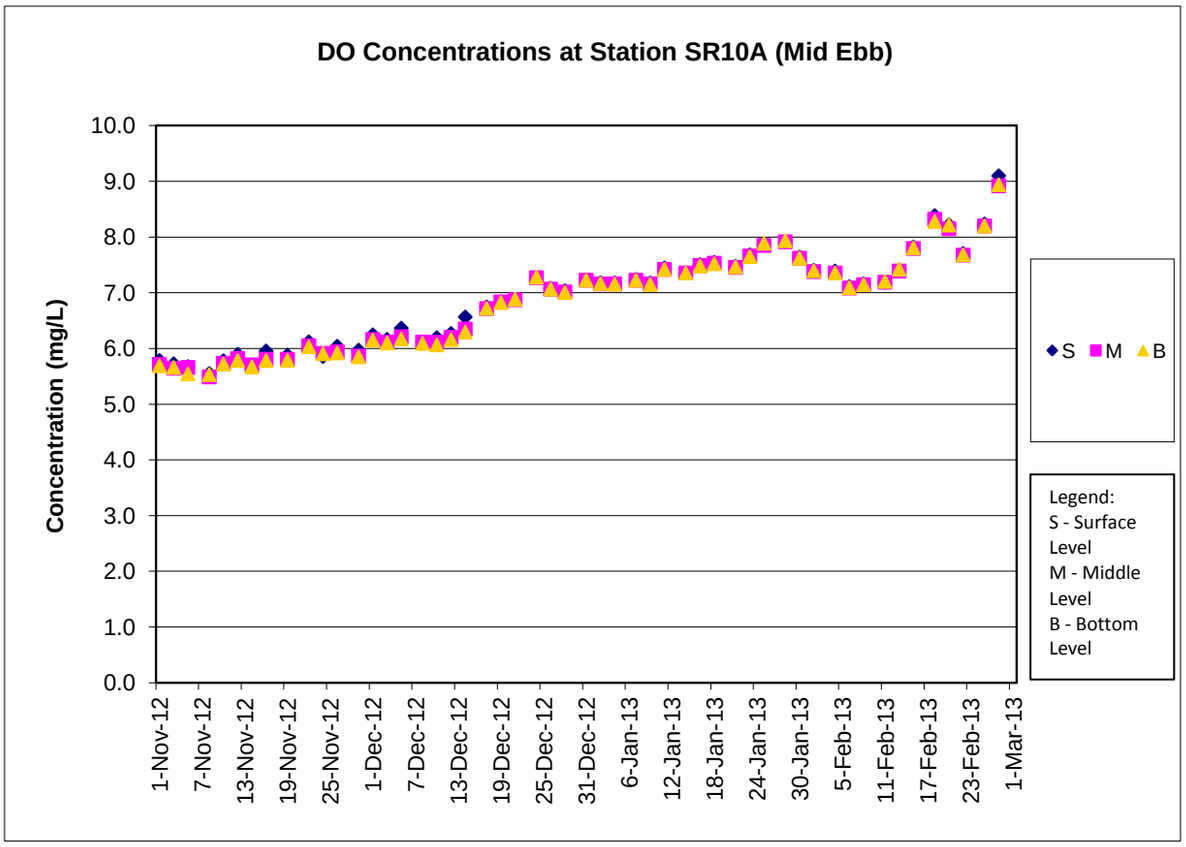

DO Concentrations at Station SR3 (Mid Flood)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
M
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.
Legend:
M - Middle Level

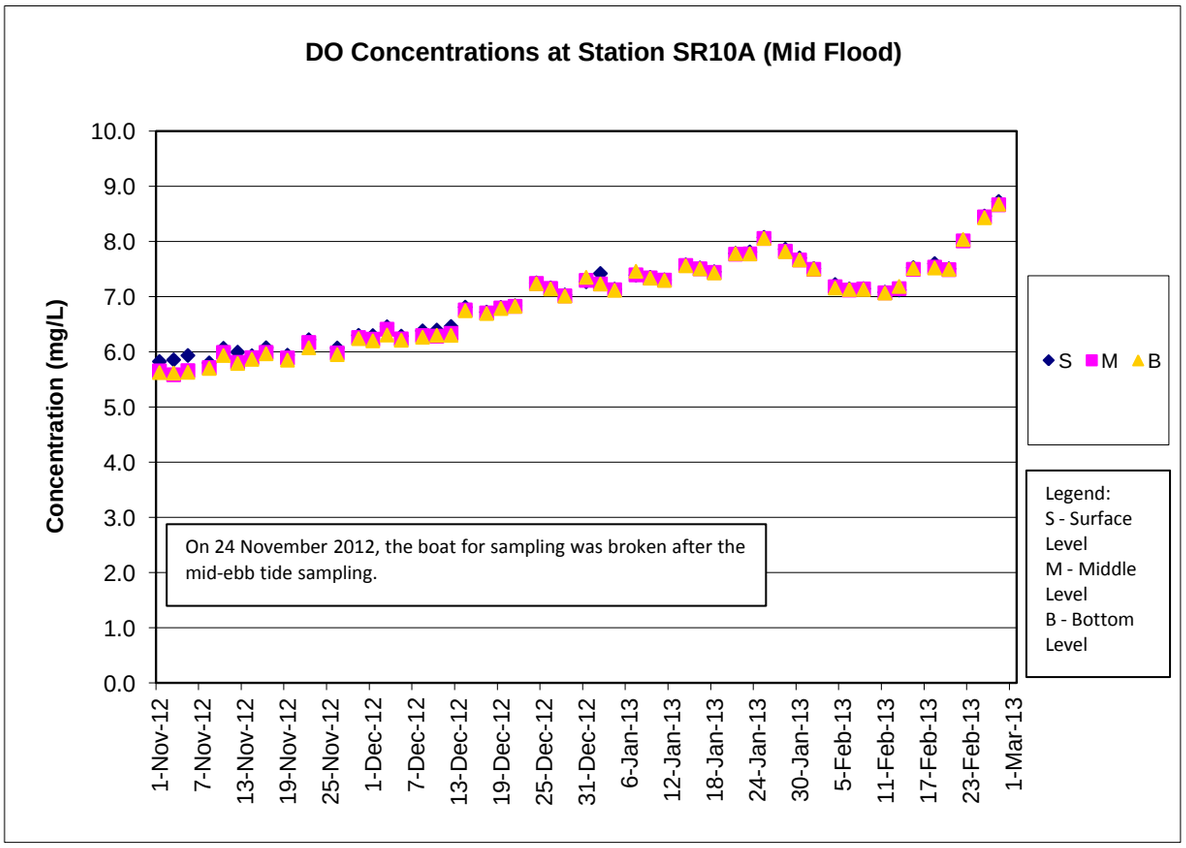

DO Concentrations at Station SR4 (Mid Ebb)
Concentration (mg/L)
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
B
Legend:
S - Surface Level
B - Bottom Level

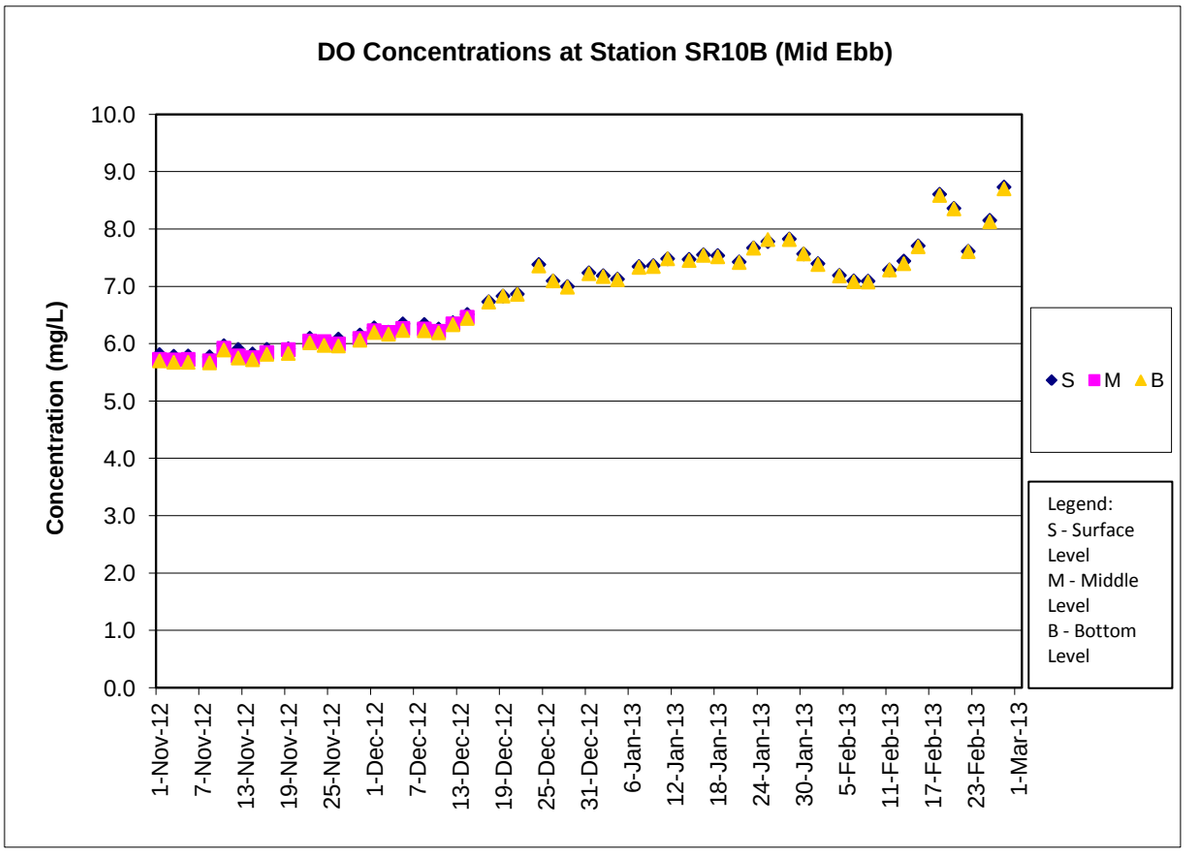

DO Concentrations at Station SR4 (Mid Flood)
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.
Concentration (mg/L)
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
B
Legend:
S - Surface Level
B - Bottom Level

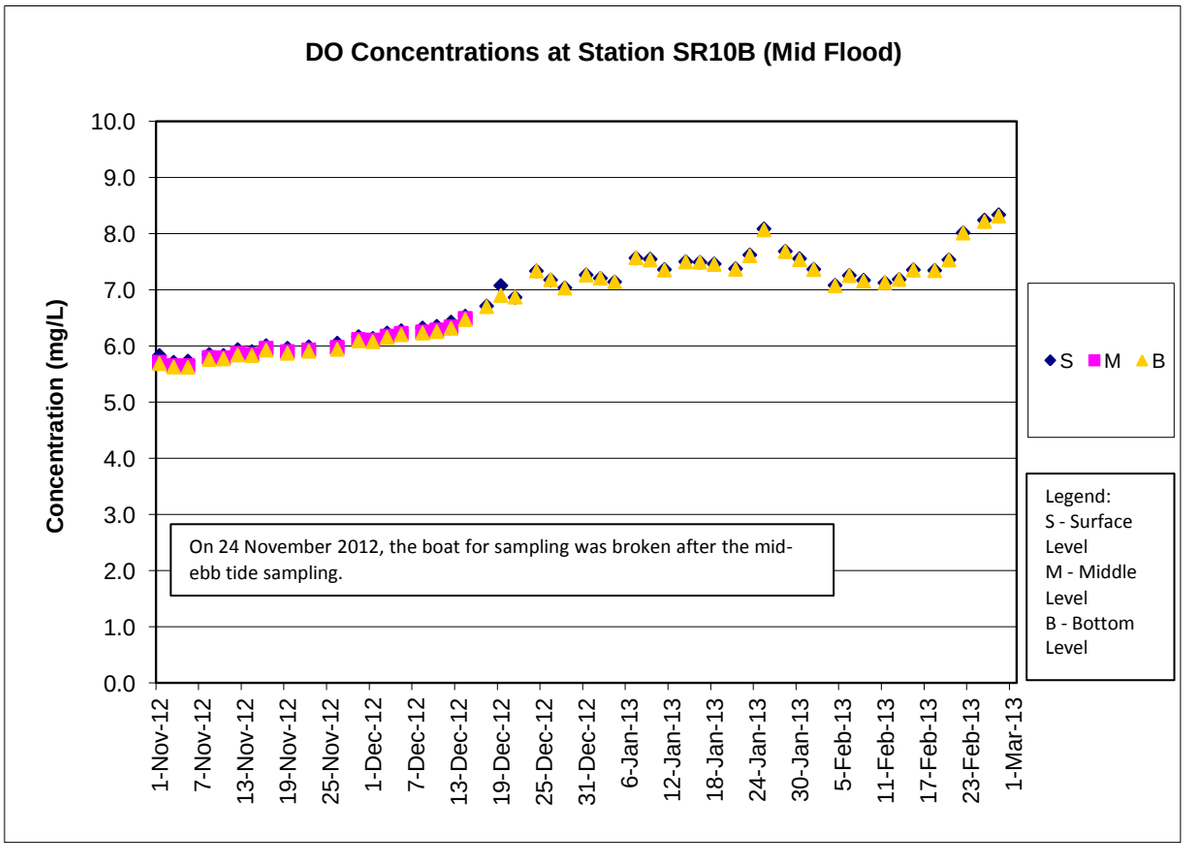

DO Concentrations at Station SR5 (Mid Ebb)
As the permit for entering into AA restricted areas was issued on 24 November 2012, the water quality monitoring work within AA restricted areas under this contract commenced on 24 November 2012. The boat which is permitted to access AA restricted area was under repair on 26 November 2012.
Concentration (mg/L)
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

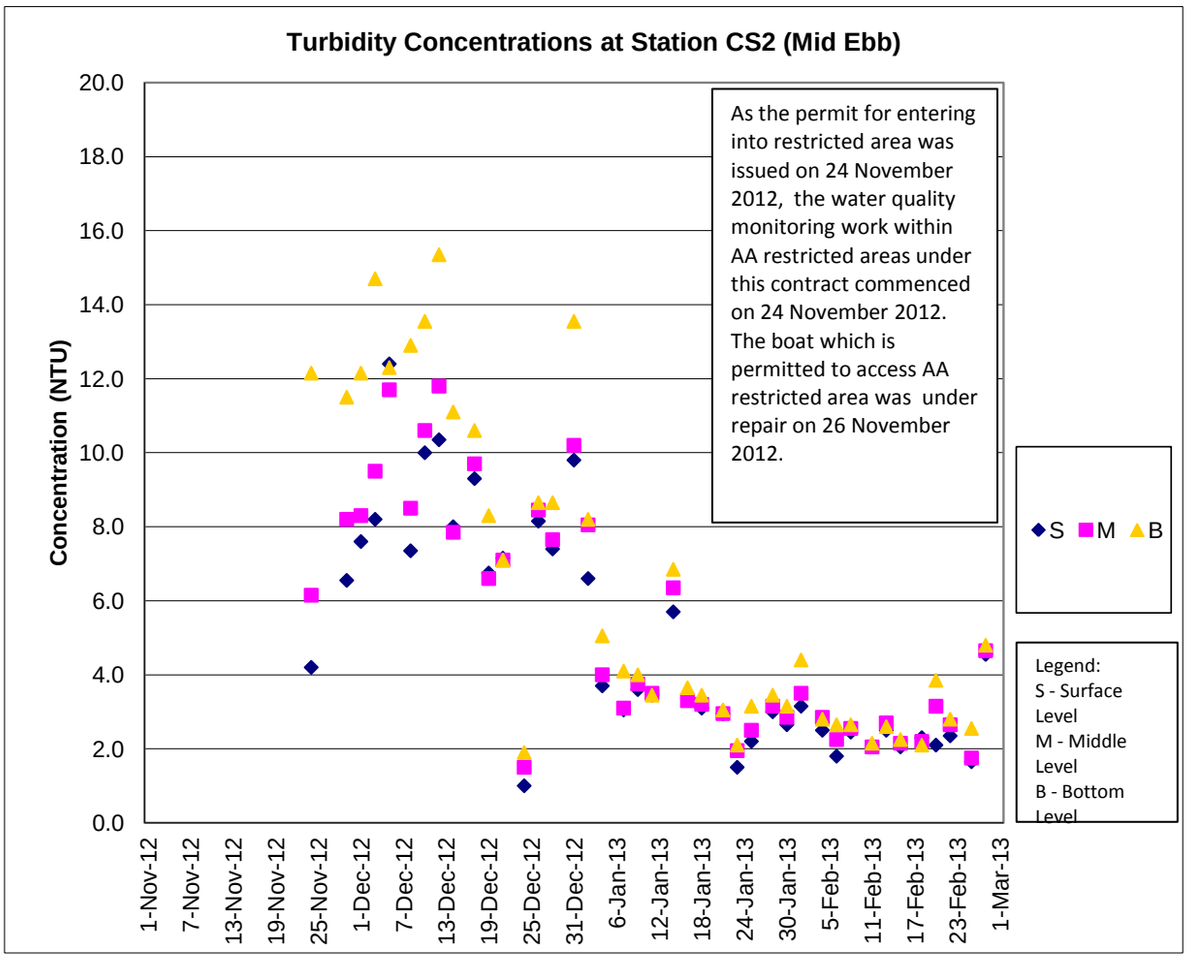

DO Concentrations at Station SR5 (Mid Flood)
As the permit for entering into AA restricted areas was issued on 24 November 2012, the water quality monitoring work within AA restricted areas under this contract commenced on 24 November 2012. On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling. Thus, the mid-flood tide sampling could not be conducted. The boat which is permitted to access AA restricted area was under repair on 26 November 2012.
Concentration (mg/L)
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

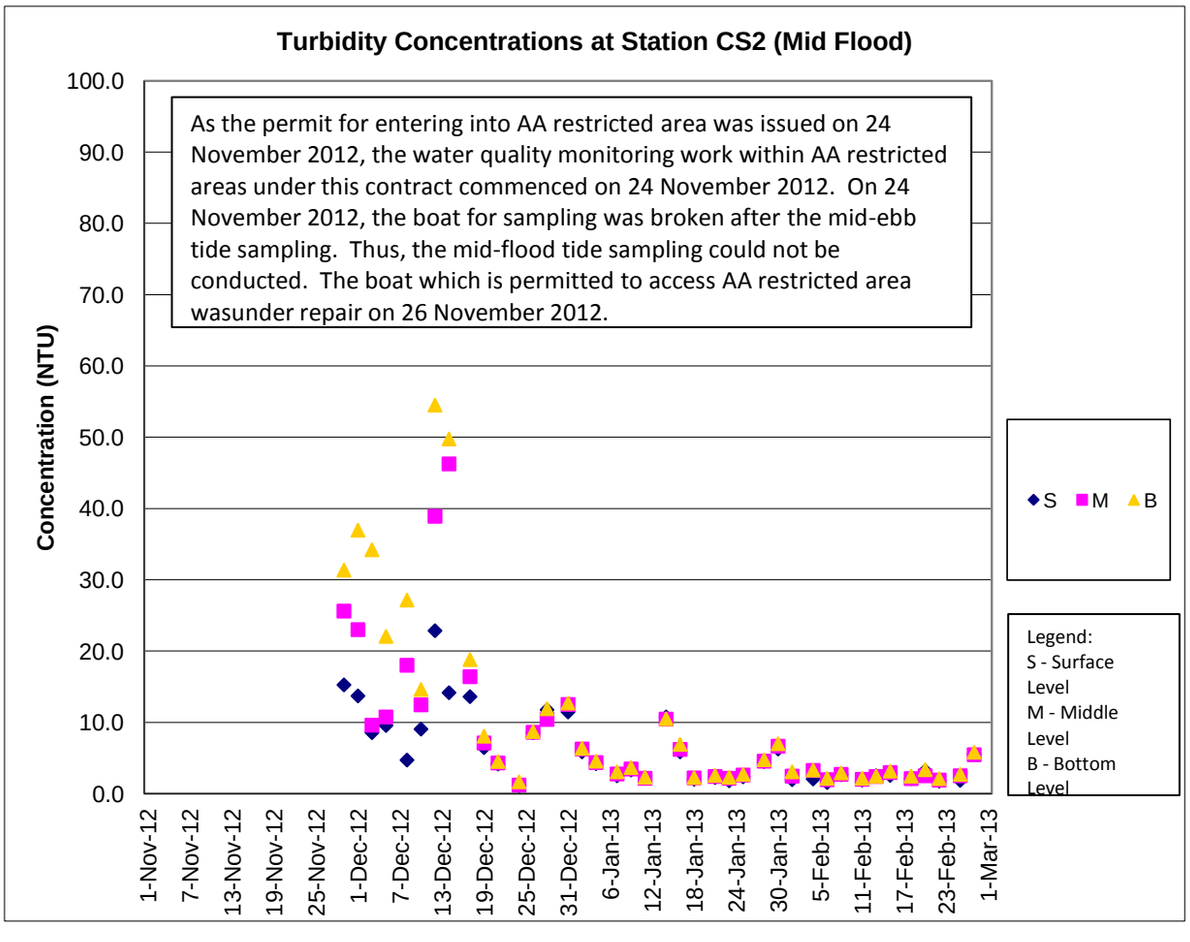

DO Concentrations at Station SR10A (Mid Ebb)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

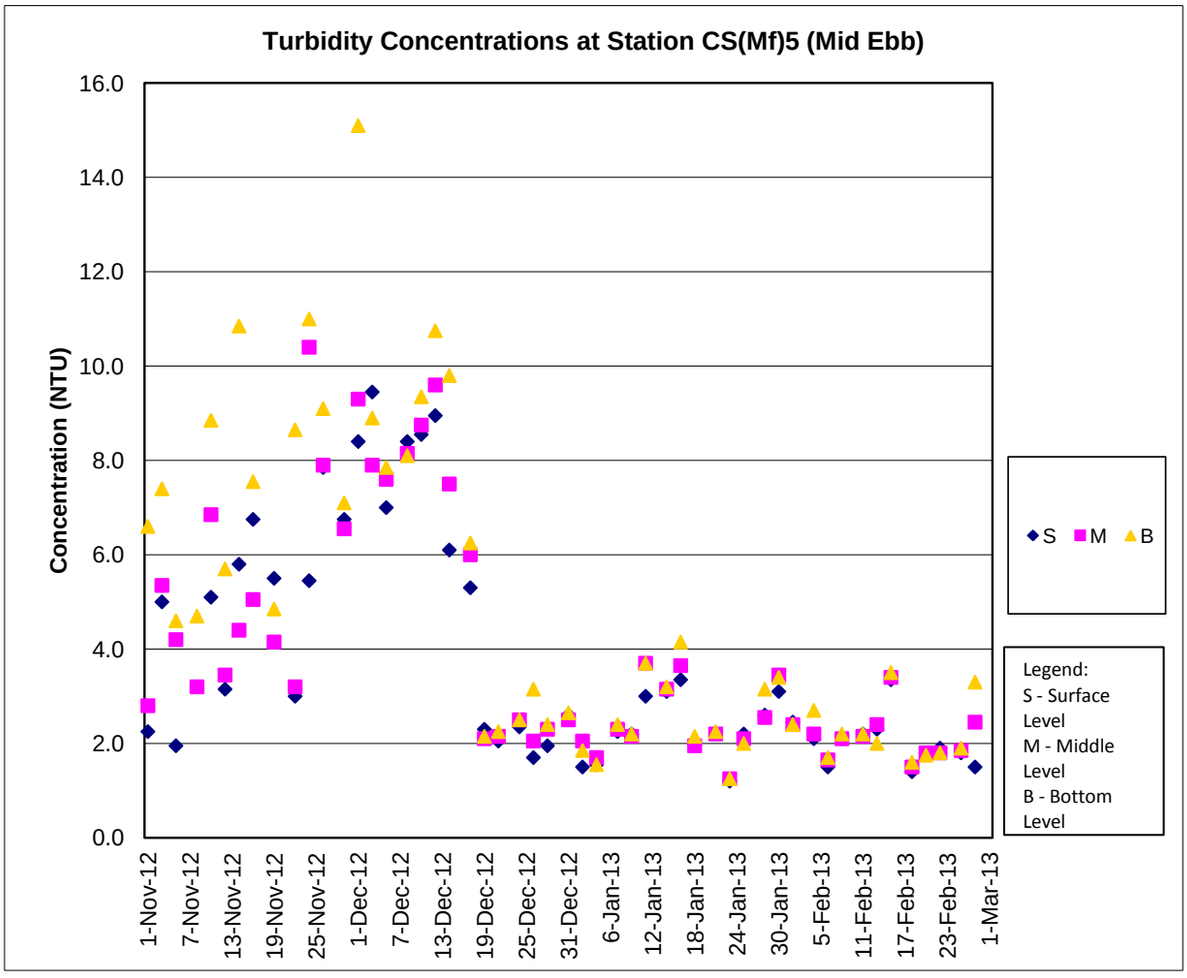

DO Concentrations at Station SR10A (Mid Flood)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

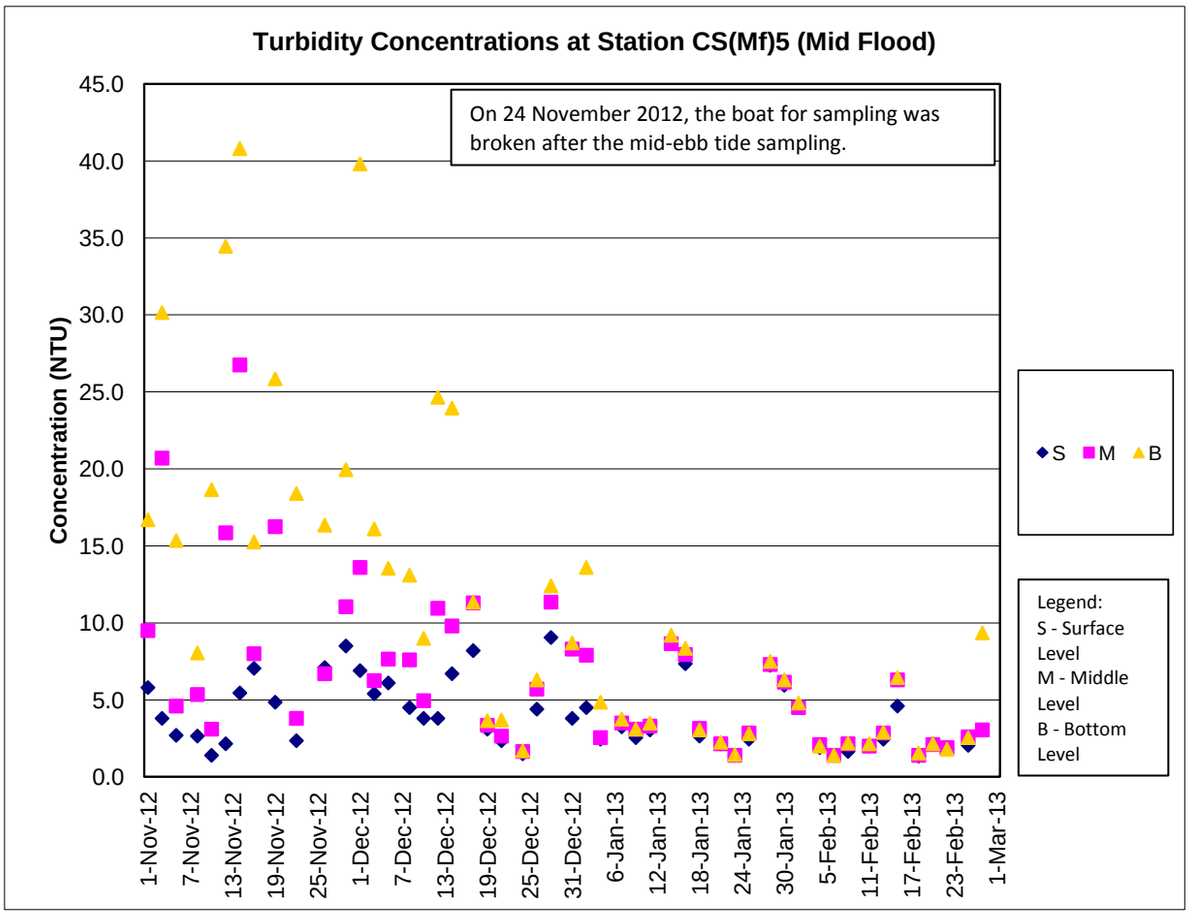

DO Concentrations at Station SR10B (Mid Ebb)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

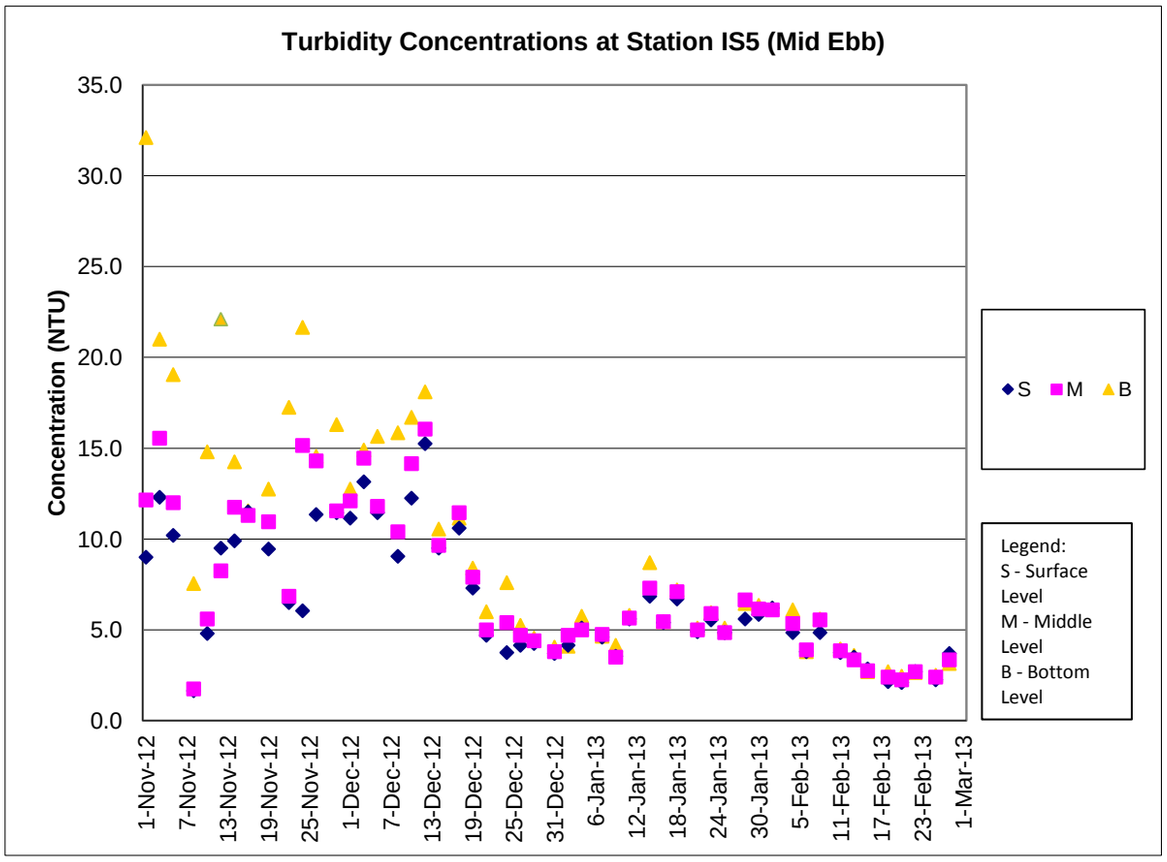

DO Concentrations at Station SR10B (Mid Flood)
Concentration (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

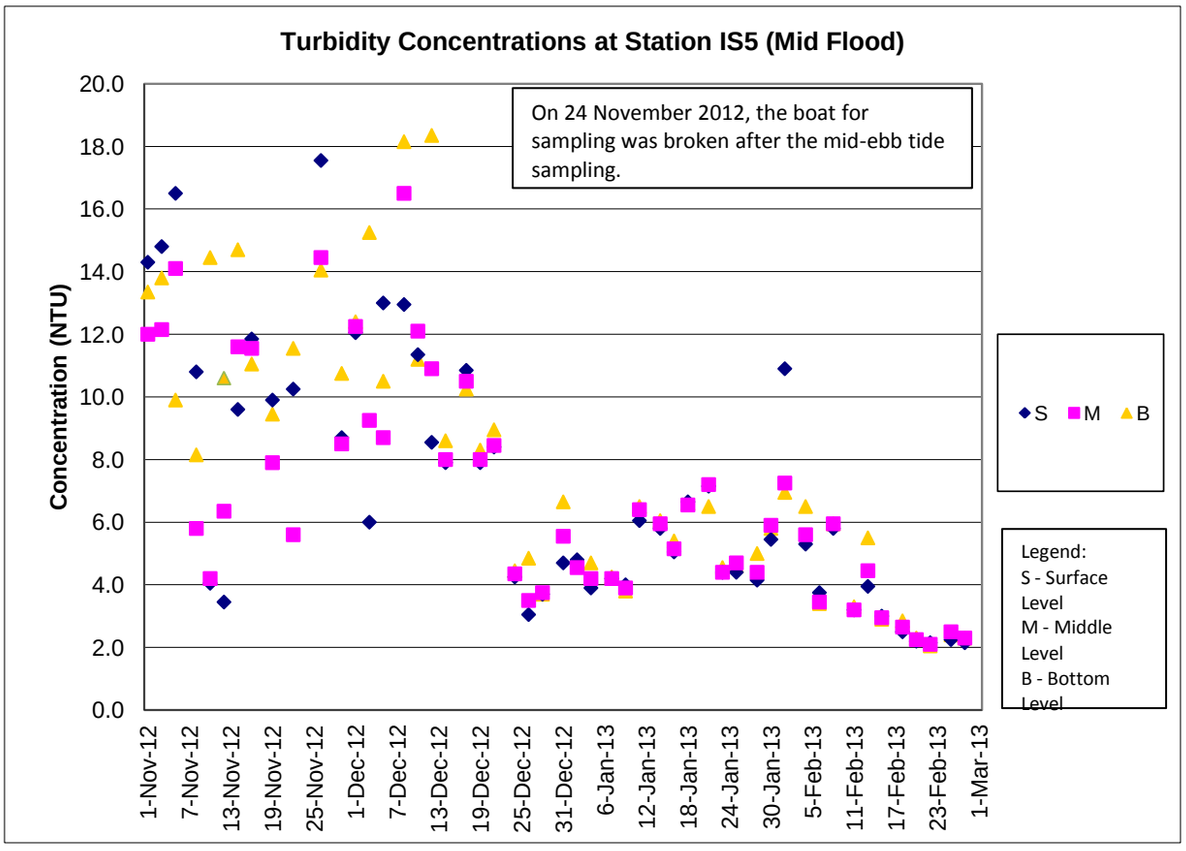

Turbidity Concentrations at Station CS2 (Mid Ebb)
Concentration (NTU)
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
As the permit for entering into restricted area was issued on 24 November 2012, the water quality monitoring work within AA restricted areas under this contract commenced on 24 November 2012. The boat which is permitted to access AA restricted area was under repair on 26 November 2012.
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

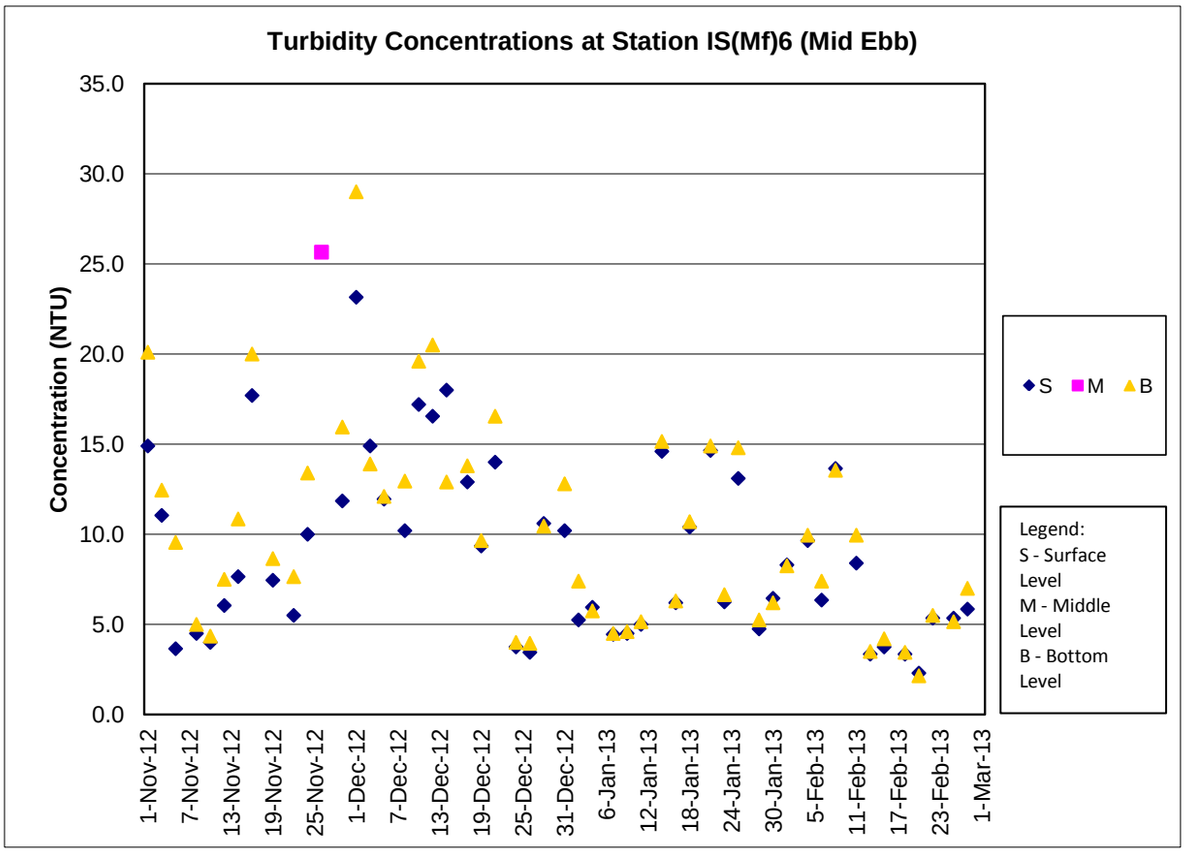

Turbidity Concentrations at Station CS2 (Mid Flood)
Concentration (NTU)
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
As the permit for entering into AA restricted area was issued on 24 November 2012, the water quality monitoring work within AA restricted areas under this contract commenced on 24 November 2012. On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling. Thus, the mid-flood tide sampling could not be conducted. The boat which is permitted to access AA restricted area wasunder repair on 26 November 2012.
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

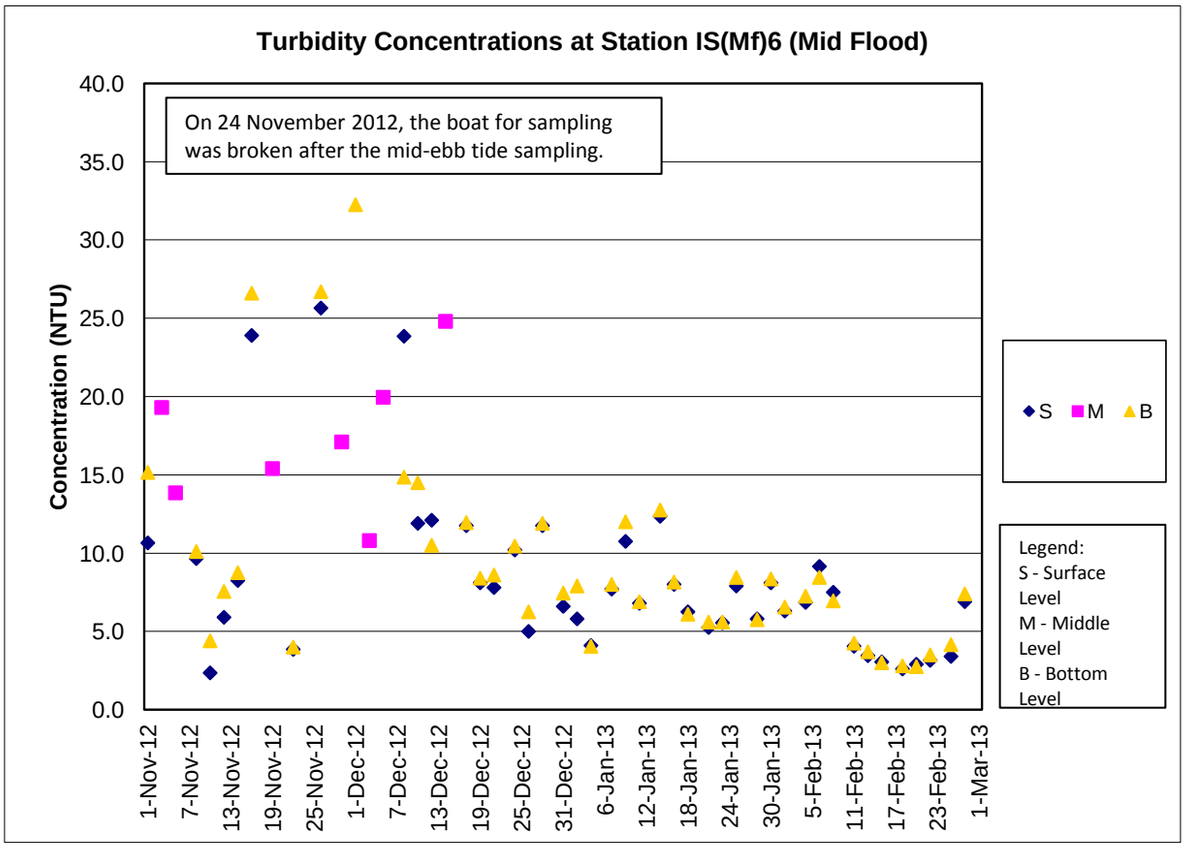

Turbidity Concentrations at Station CS(Mf)5 (Mid Ebb)
Concentration (NTU)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

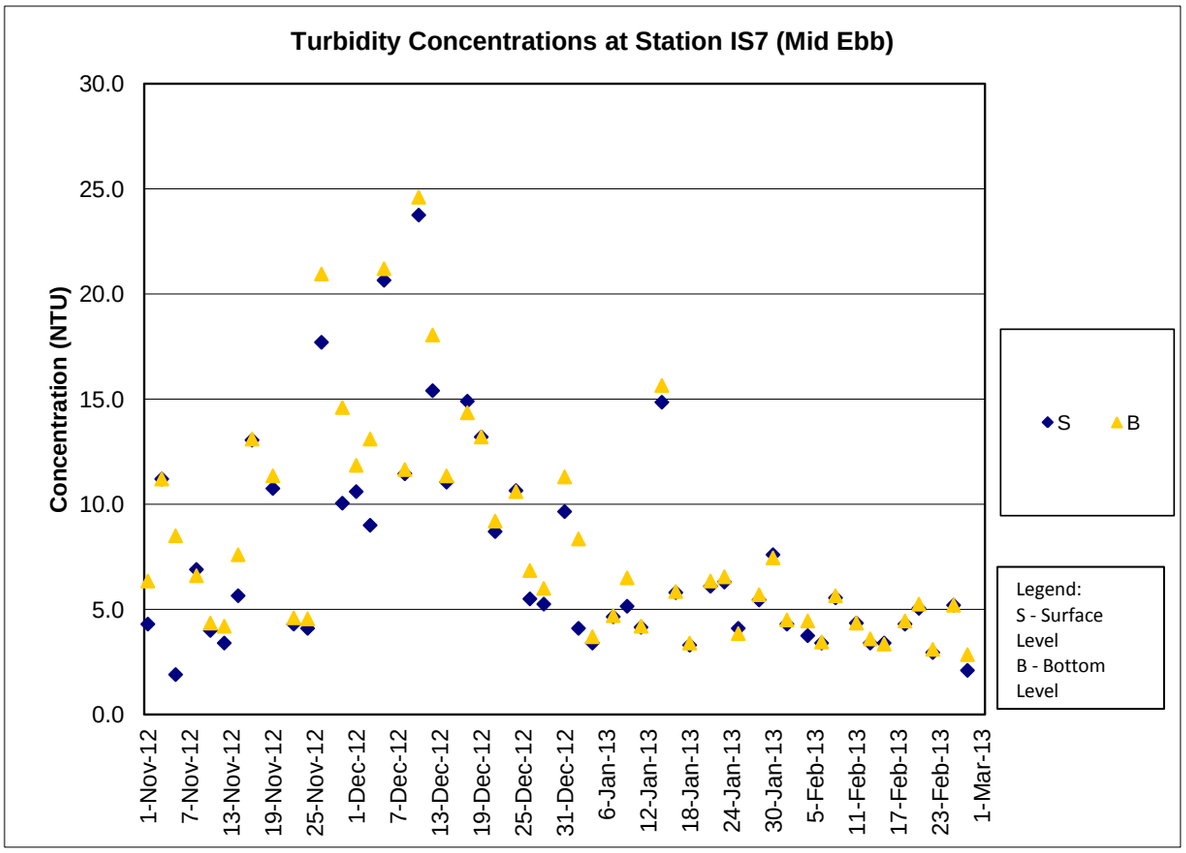

Turbidity Concentrations at Station CS(Mf)5 (Mid Flood)
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.
Concentration (NTU)
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

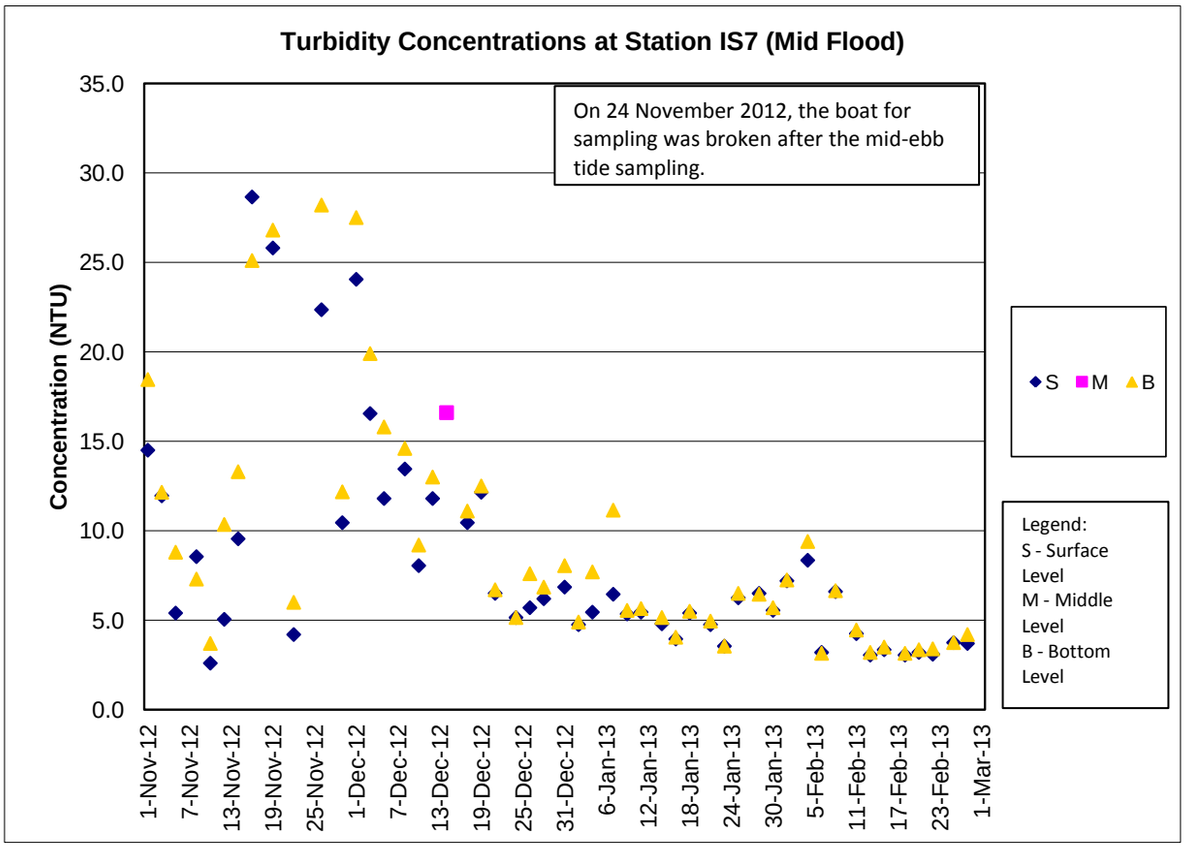

Turbidity Concentrations at Station IS5 (Mid Ebb)
Concentration (NTU)
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
M
B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

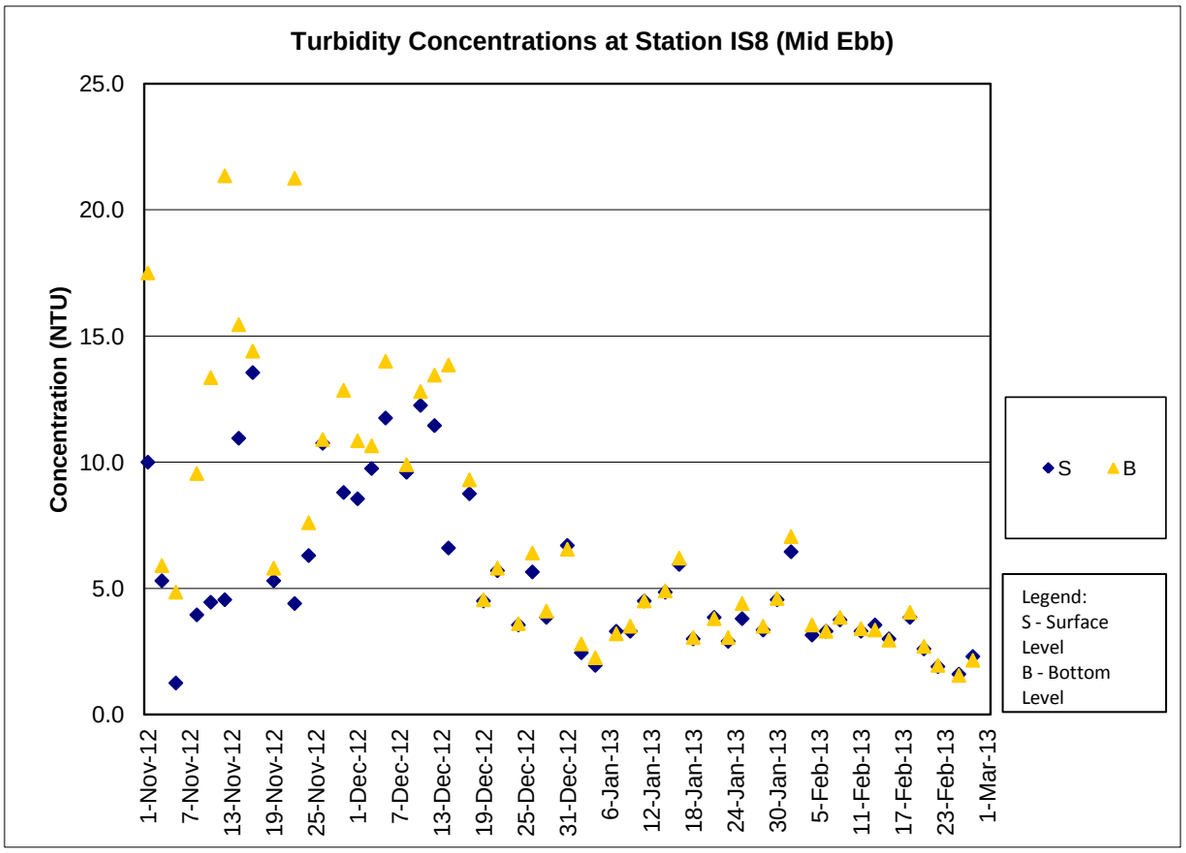

Turbidity Concentrations at Station IS5 (Mid Flood)
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.
Concentration (NTU)
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
M
B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

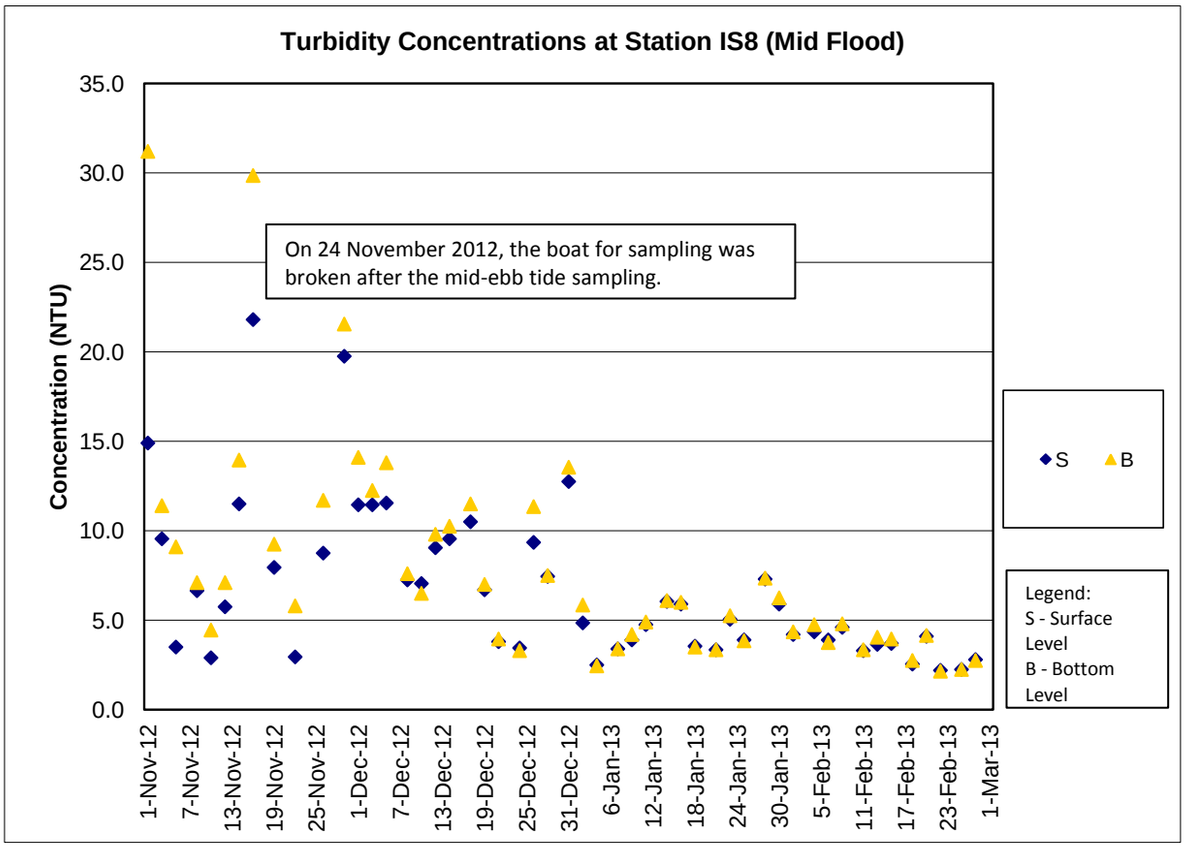

Turbidity Concentrations at Station IS(Mf)6 (Mid Ebb)
Concentration (NTU)
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
M
B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

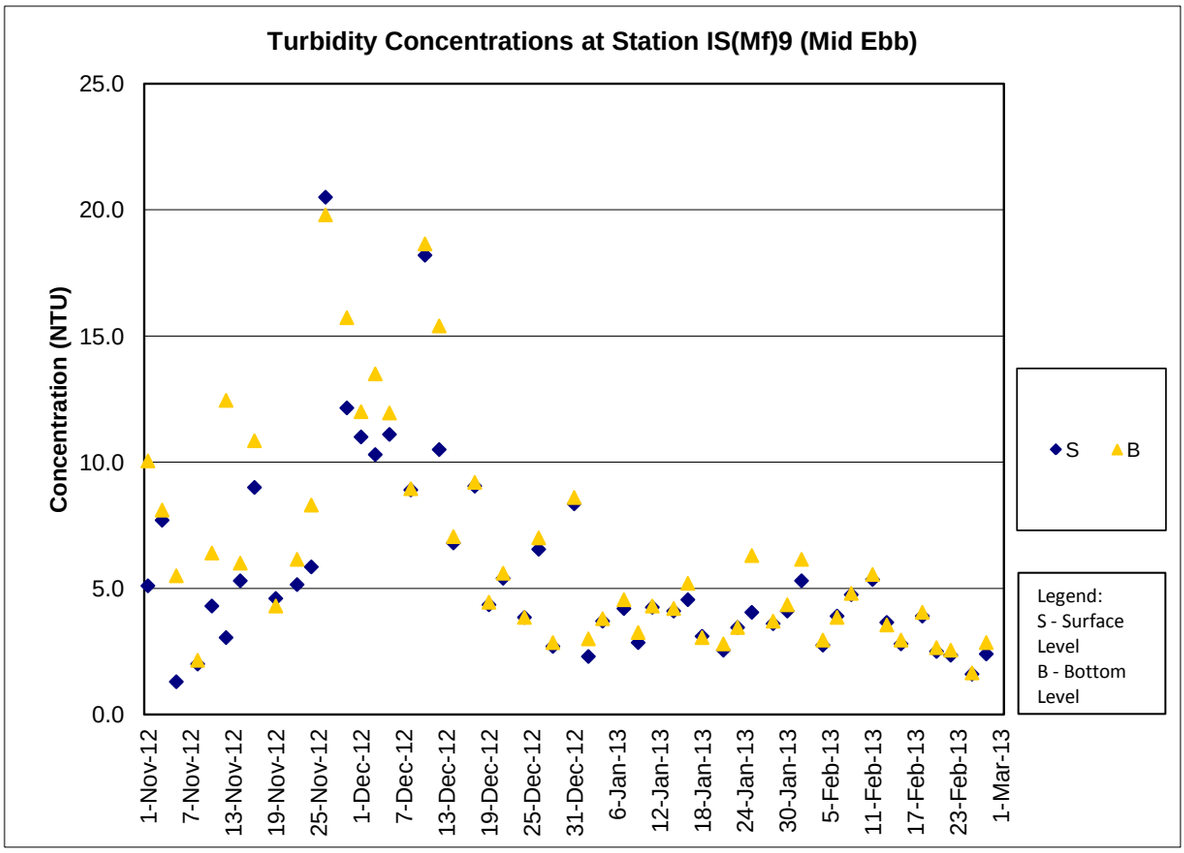

Turbidity Concentrations at Station IS(Mf)6 (Mid Flood)
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.
Concentration (NTU)
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
M
B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

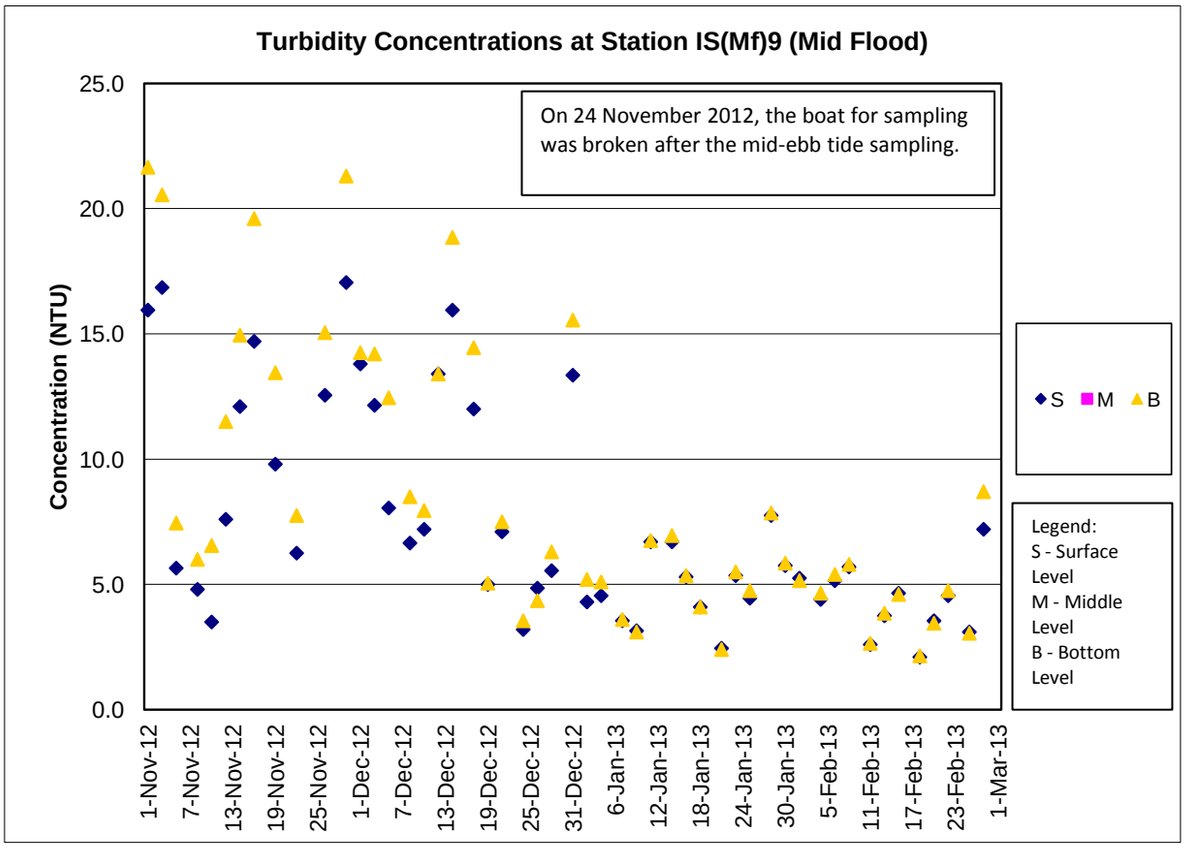

Turbidity Concentrations at Station IS7 (Mid Ebb)
Concentration (NTU)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
B
Legend:
S - Surface Level
B - Bottom Level

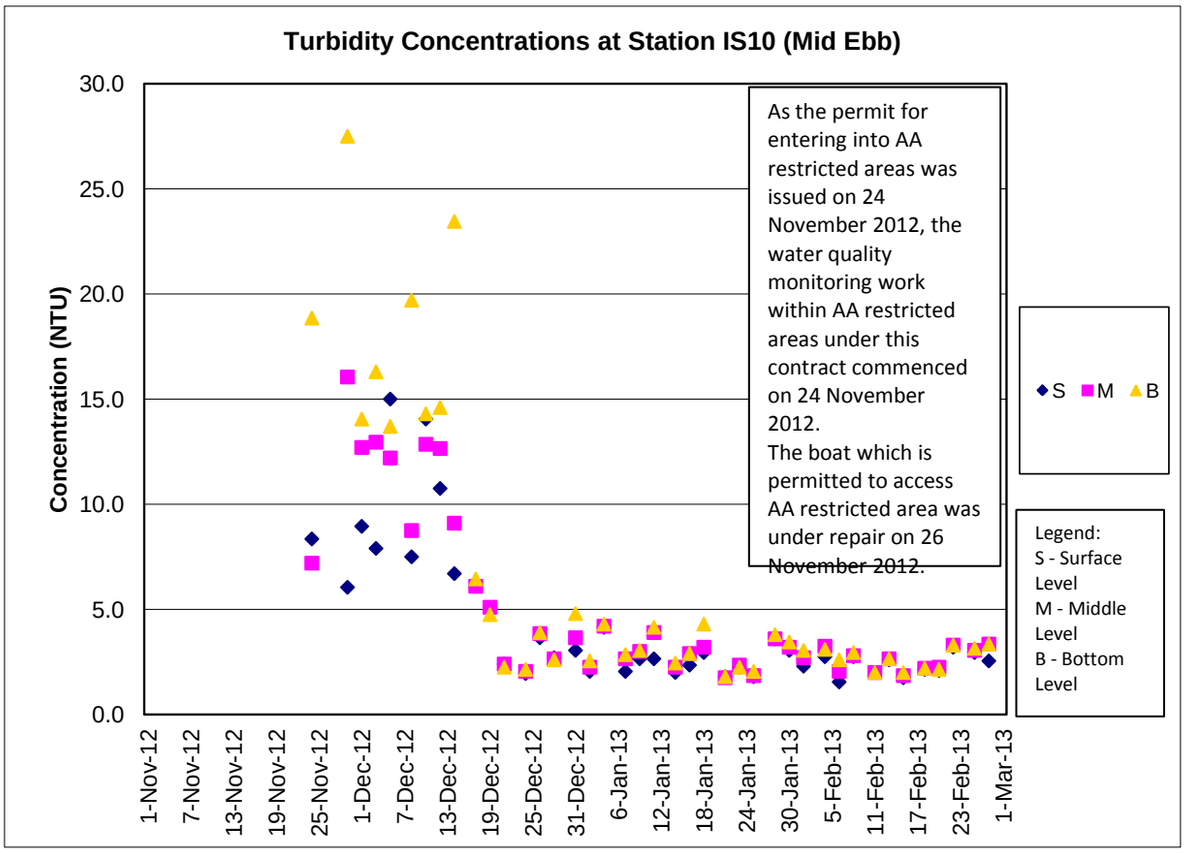

Turbidity Concentrations at Station IS7 (Mid Flood)
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.
Concentration (NTU)
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
M
B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

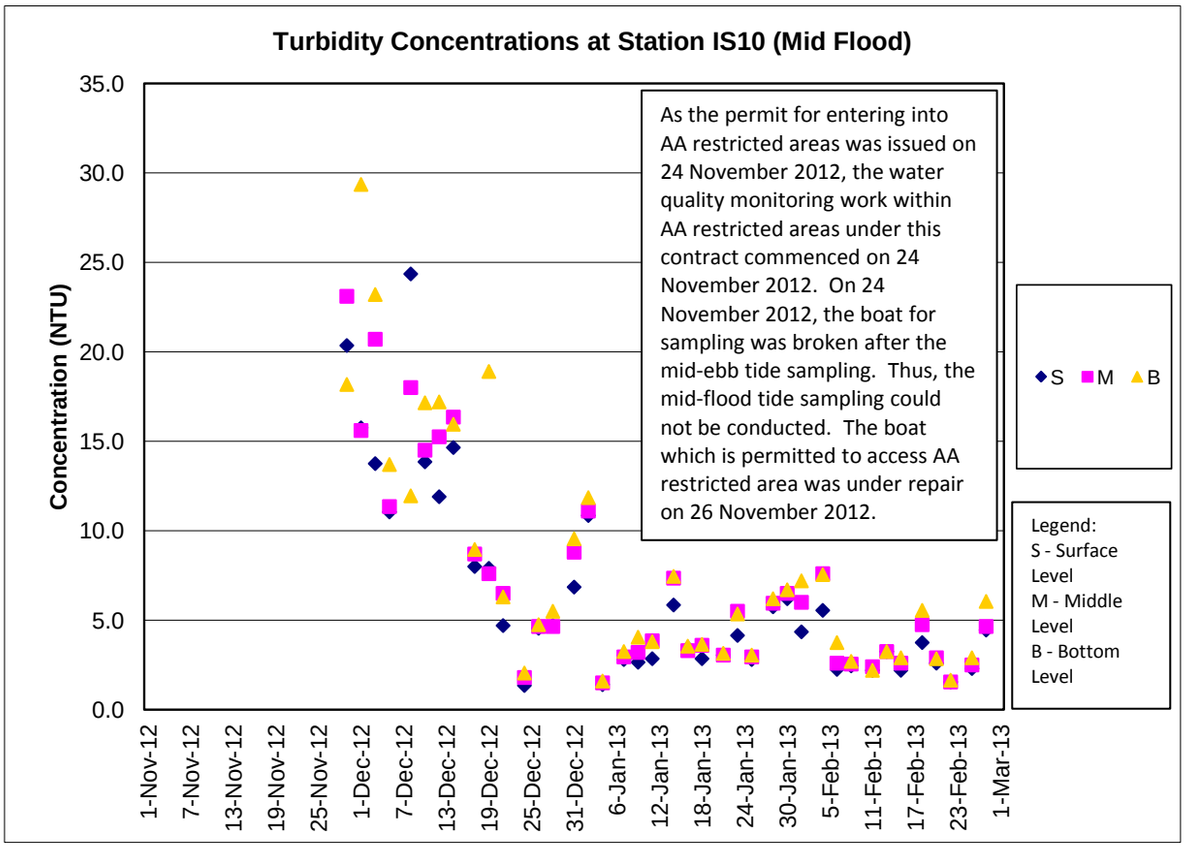

Turbidity Concentrations at Station IS8 (Mid Ebb)
Concentration (NTU)
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
B
Legend:
S - Surface Level
B - Bottom Level

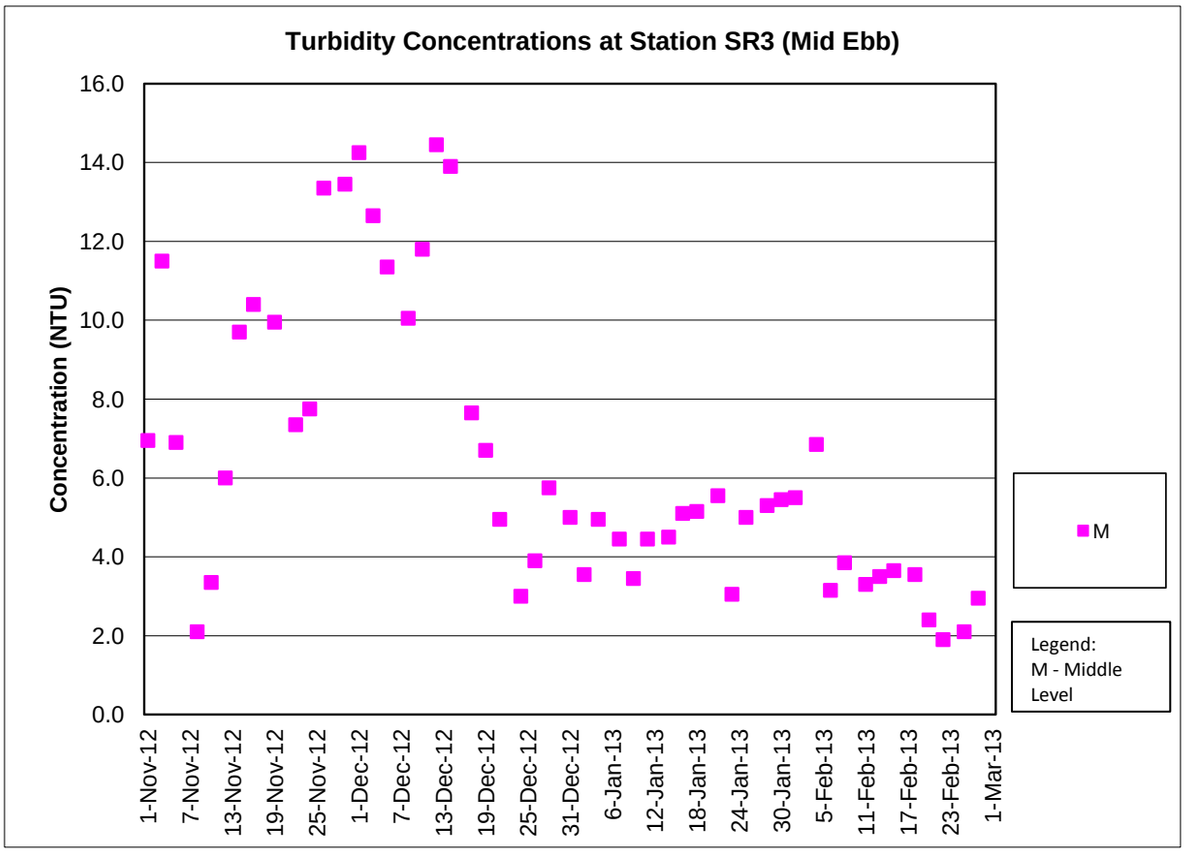

Turbidity Concentrations at Station IS8 (Mid Flood)
Concentration (NTU)
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
B
Legend:
S - Surface Level
B - Bottom Level

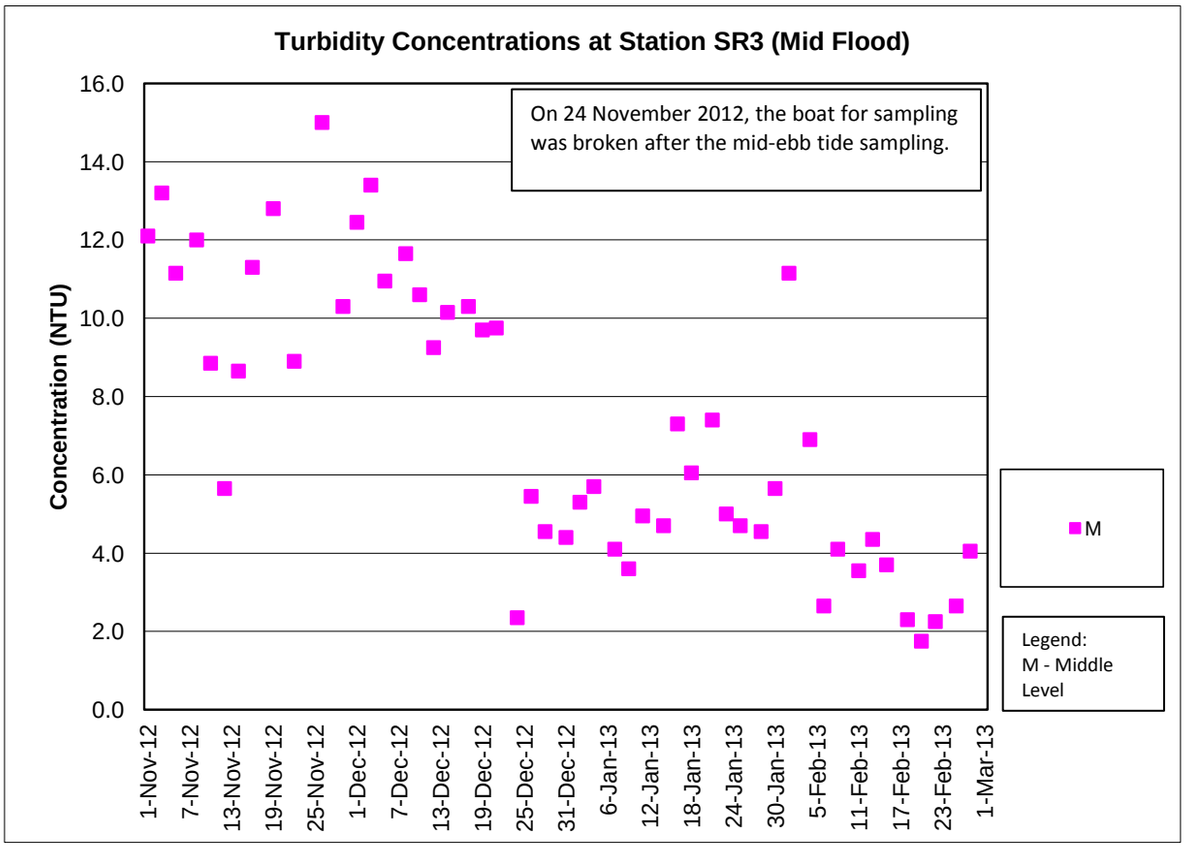

Turbidity Concentrations at Station IS(Mf)9 (Mid Ebb)
Concentration (NTU)
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
B
Legend:
S - Surface Level
B - Bottom Level

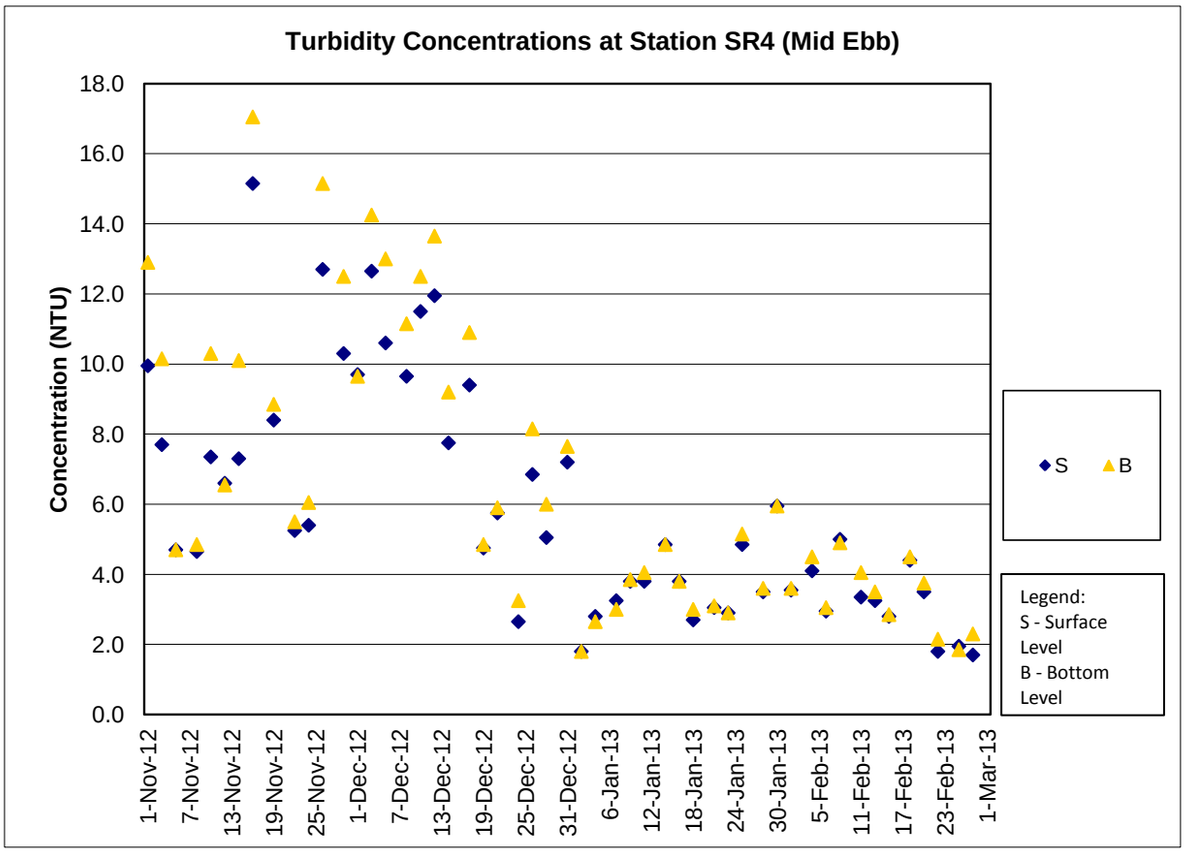

Turbidity Concentrations at Station IS(Mf)9 (Mid Flood)
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.
Concentration (NTU)
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
M
B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

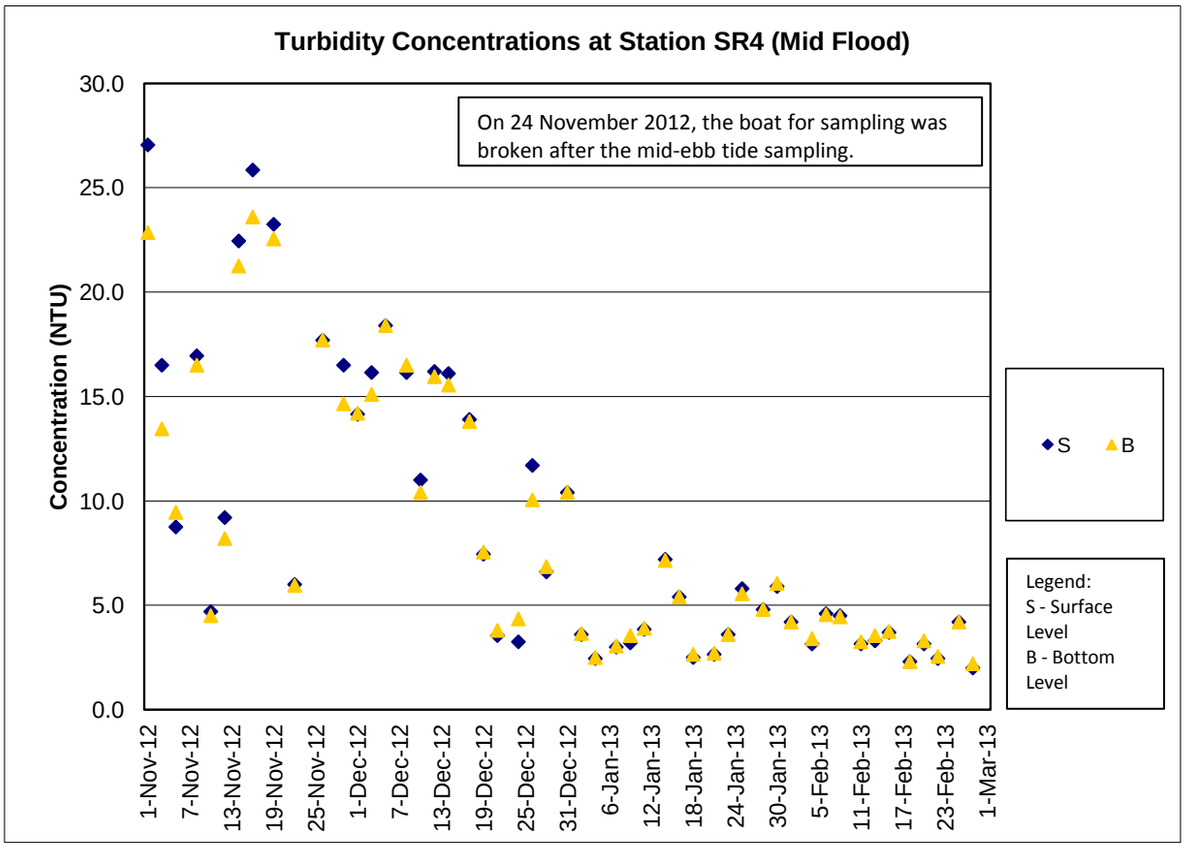

Turbidity Concentrations at Station IS10 (Mid Ebb)
Concentration (NTU)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
As the permit for entering into AA restricted areas was issued on 24 November 2012, the water quality monitoring work within AA restricted areas under this contract commenced on 24 November 2012.
The boat which is permitted to access AA restricted area was under repair on 26 November 2012.
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

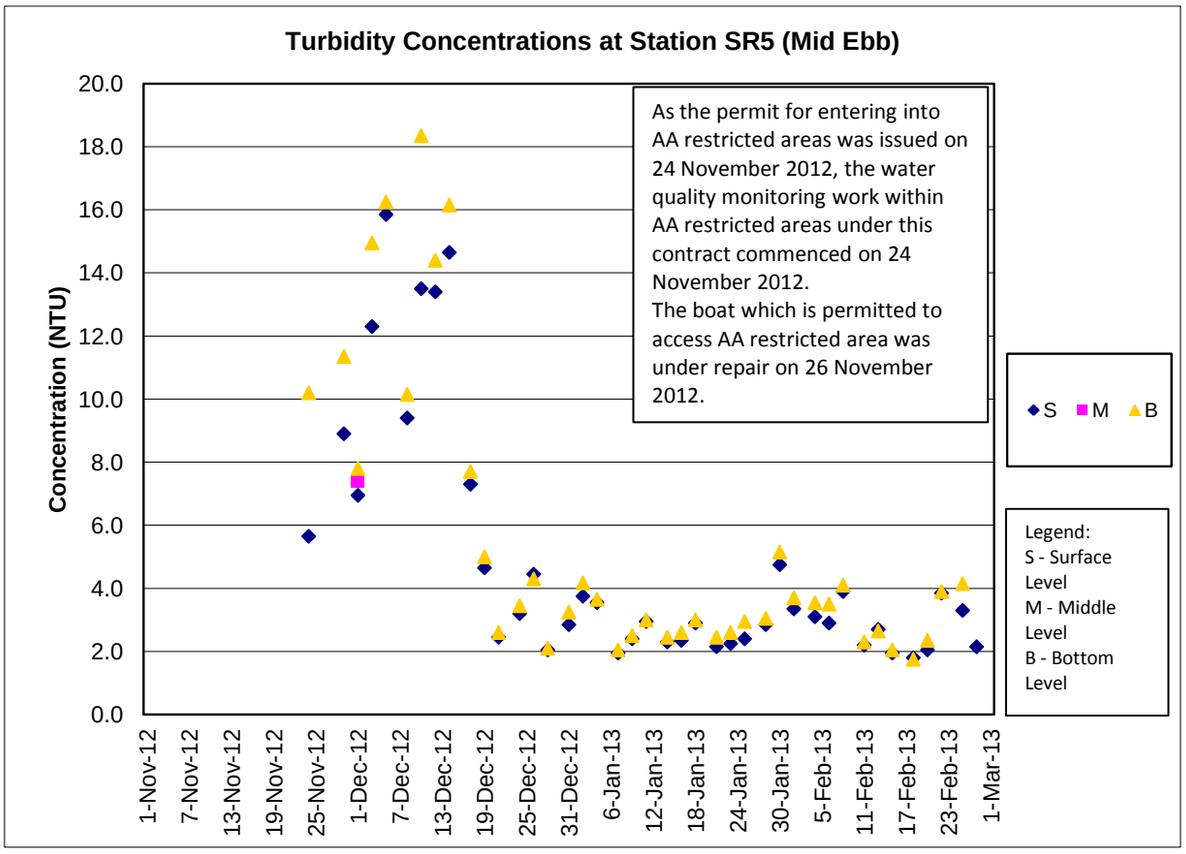

Turbidity Concentrations at Station IS10 (Mid Flood)
Concentration (NTU)
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
As the permit for entering into AA restricted areas was issued on 24 November 2012, the water quality monitoring work within AA restricted areas under this contract commenced on 24 November 2012. On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling. Thus, the mid-flood tide sampling could not be conducted. The boat which is permitted to access AA restricted area was under repair on 26 November 2012.
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

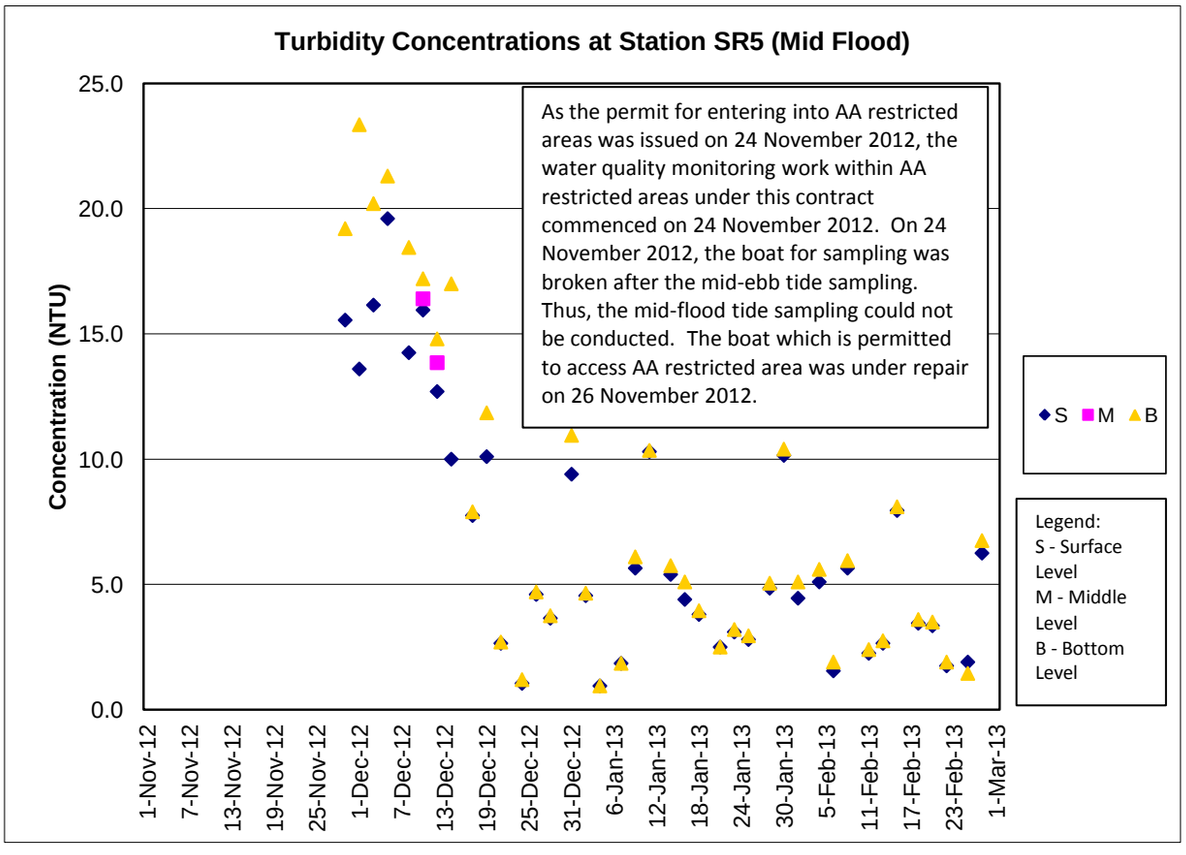

Turbidity Concentrations at Station SR3 (Mid Ebb)
Concentration (NTU)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
M
Legend:
M - Middle Level

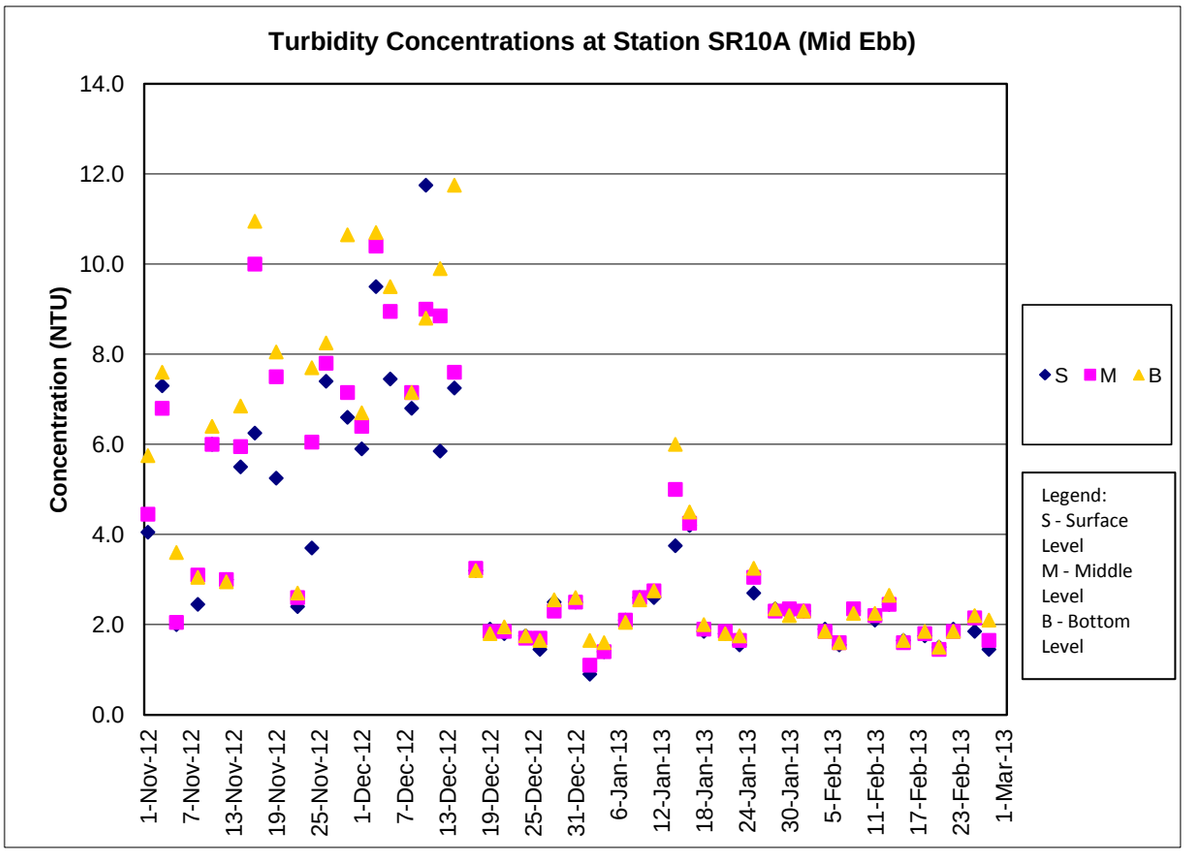

Turbidity Concentrations at Station SR3 (Mid Flood)
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.
Concentration (NTU)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
M
Legend:
M - Middle Level

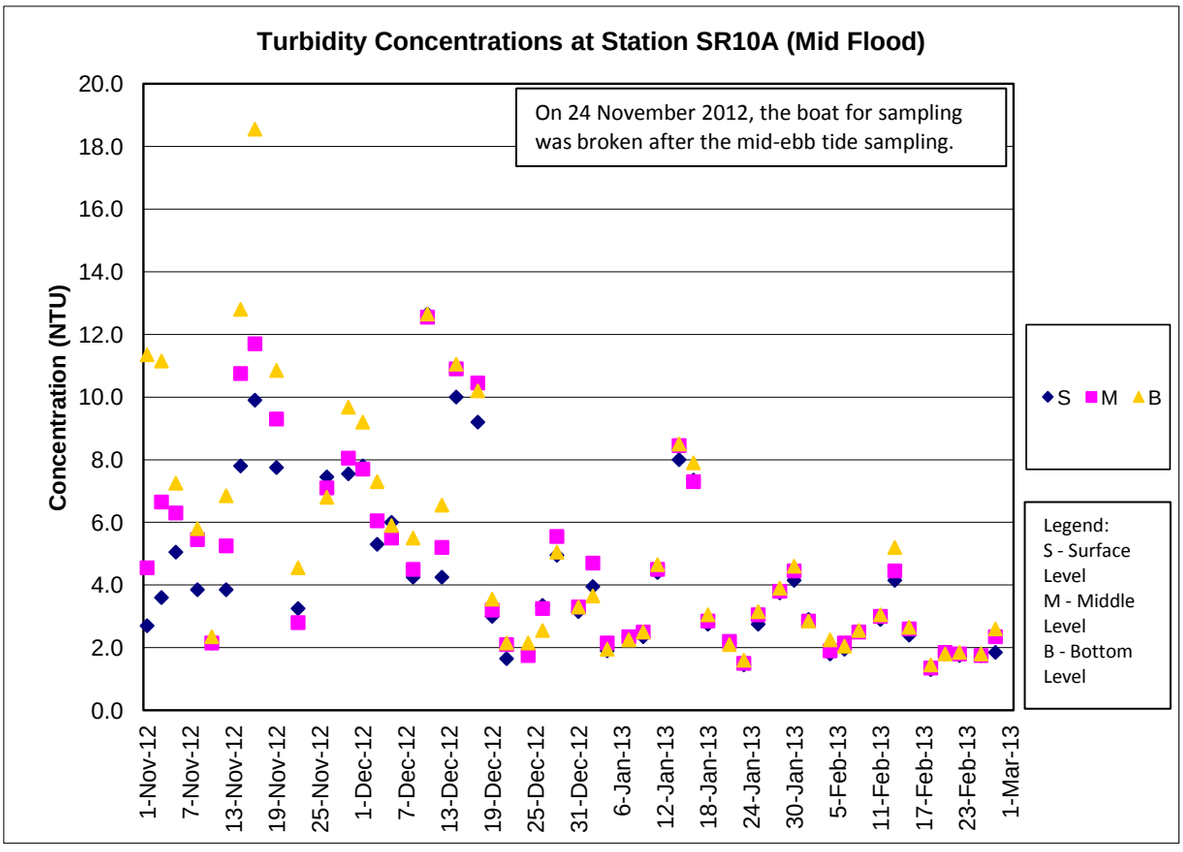

Turbidity Concentrations at Station SR4 (Mid Ebb)
Concentration (NTU)
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
B
Legend:
S - Surface Level
B - Bottom Level

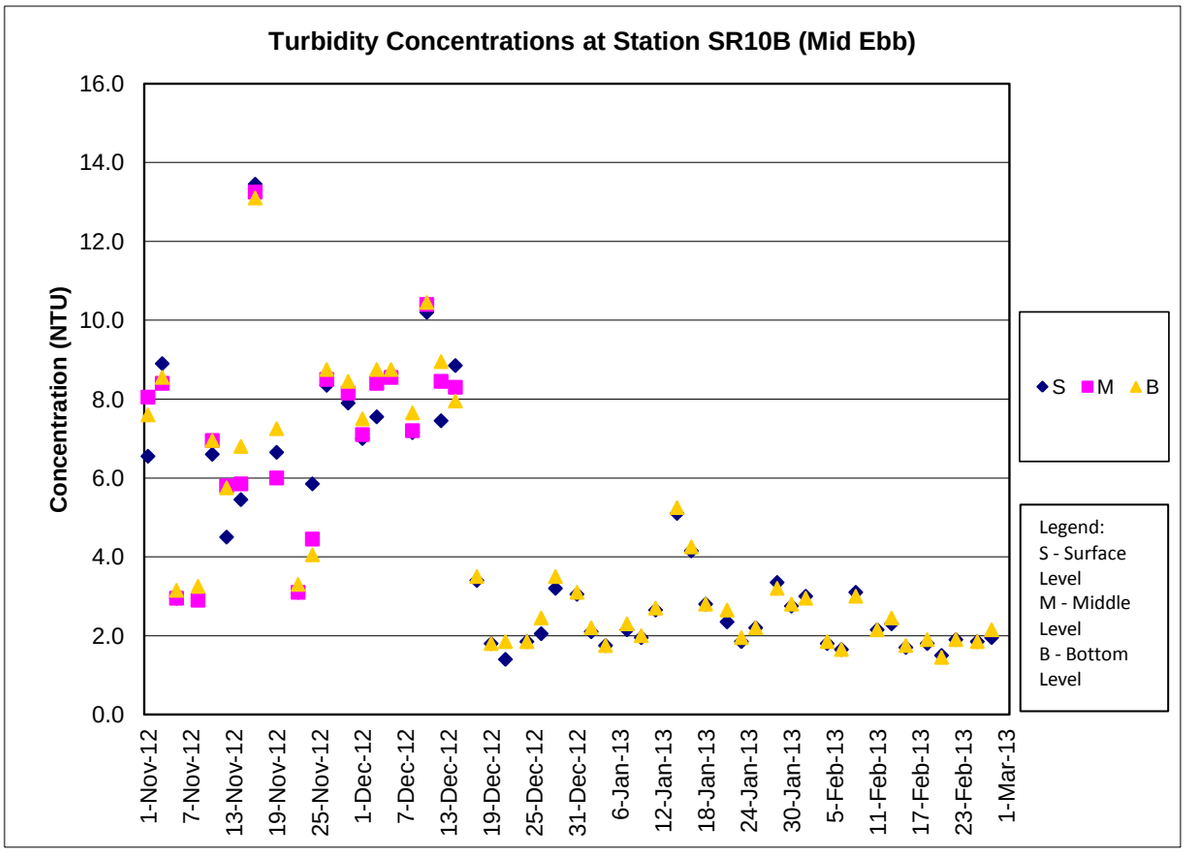

Turbidity Concentrations at Station SR4 (Mid Flood)
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.
Concentration (NTU)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
B
Legend:
S - Surface Level
B - Bottom Level

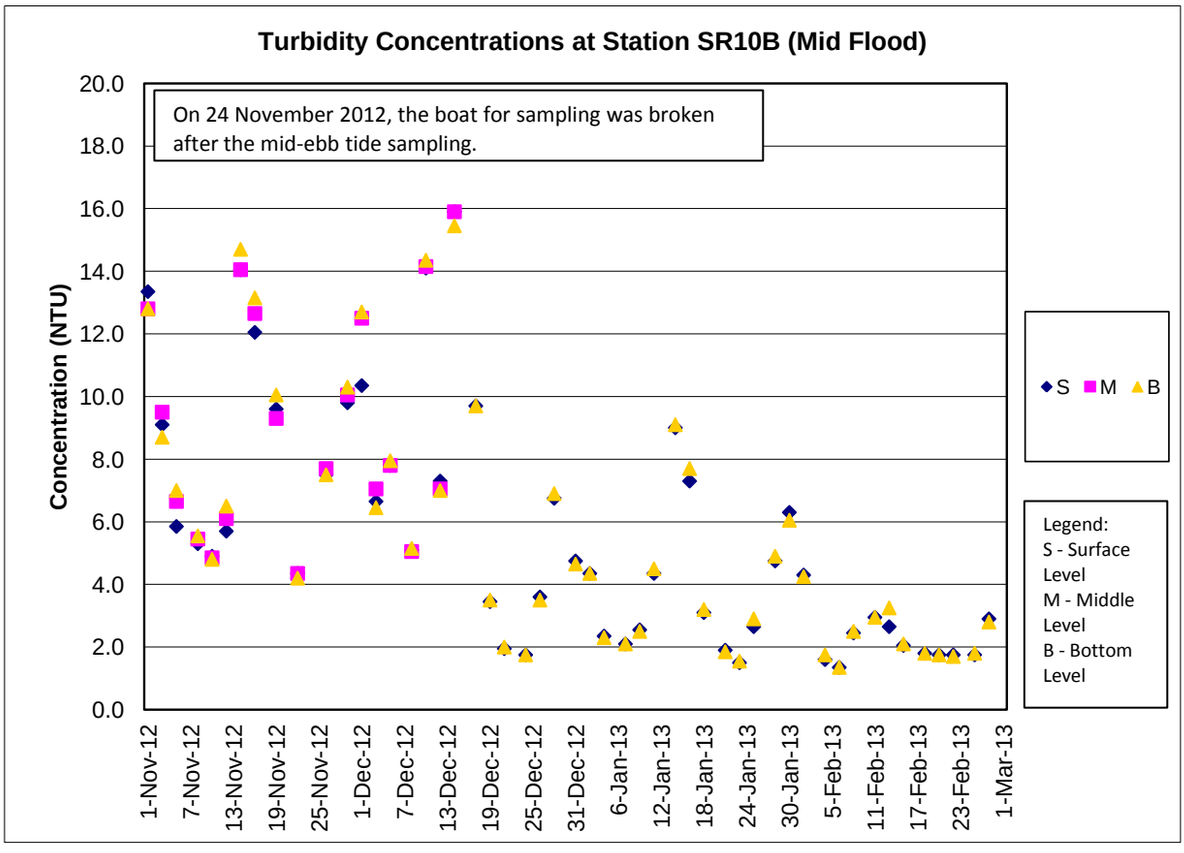

Turbidity Concentrations at Station SR5 (Mid Ebb)
Concentration (NTU)
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
As the permit for entering into AA restricted areas was issued on 24 November 2012, the water quality monitoring work within AA restricted areas under this contract commenced on 24 November 2012.
The boat which is permitted to access AA restricted area was under repair on 26 November 2012.
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

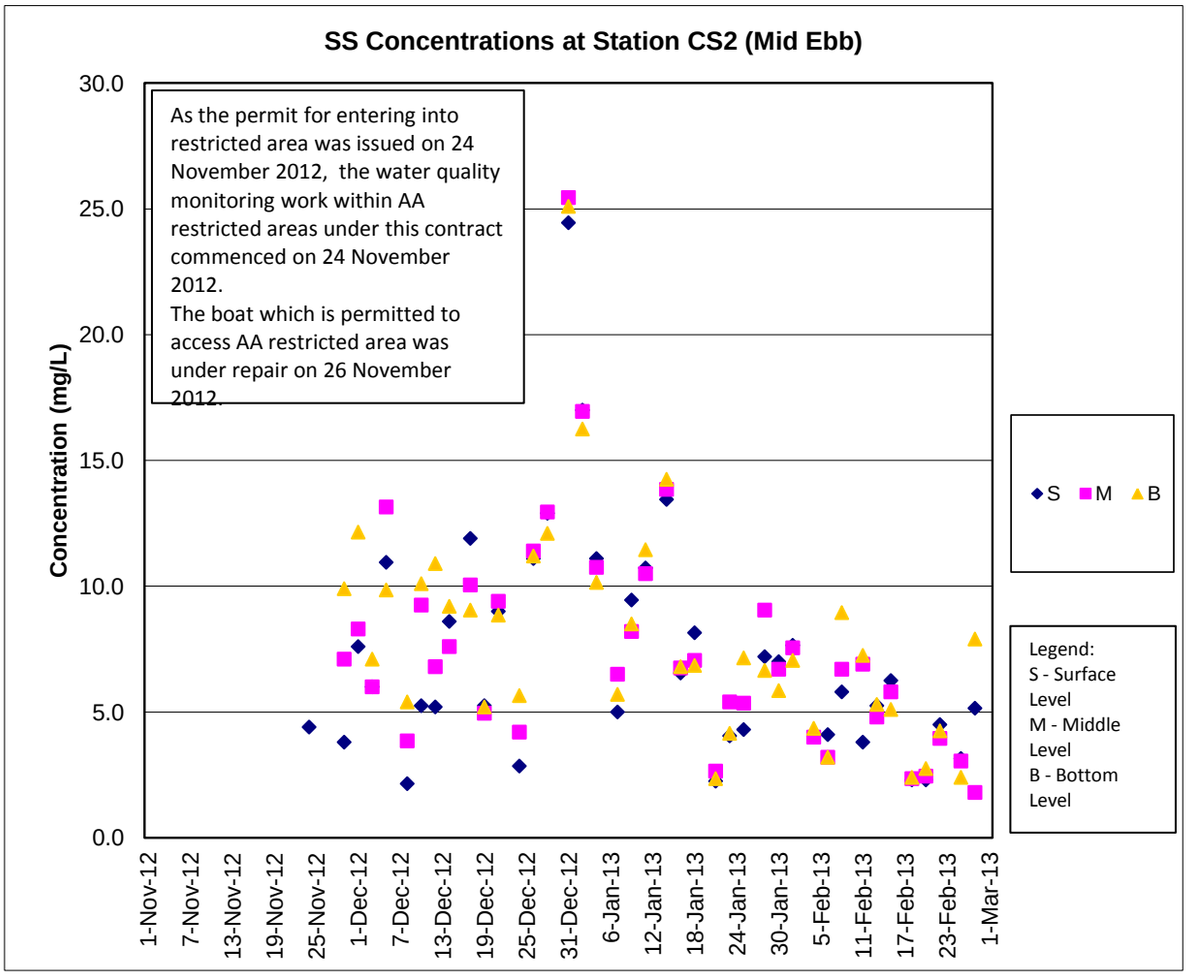

Turbidity Concentrations at Station SR5 (Mid Flood)
Concentration (NTU)
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
As the permit for entering into AA restricted areas was issued on 24 November 2012, the water quality monitoring work within AA restricted areas under this contract commenced on 24 November 2012. On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling. Thus, the mid-flood tide sampling could not be conducted. The boat which is permitted to access AA restricted area was under repair on 26 November 2012.
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

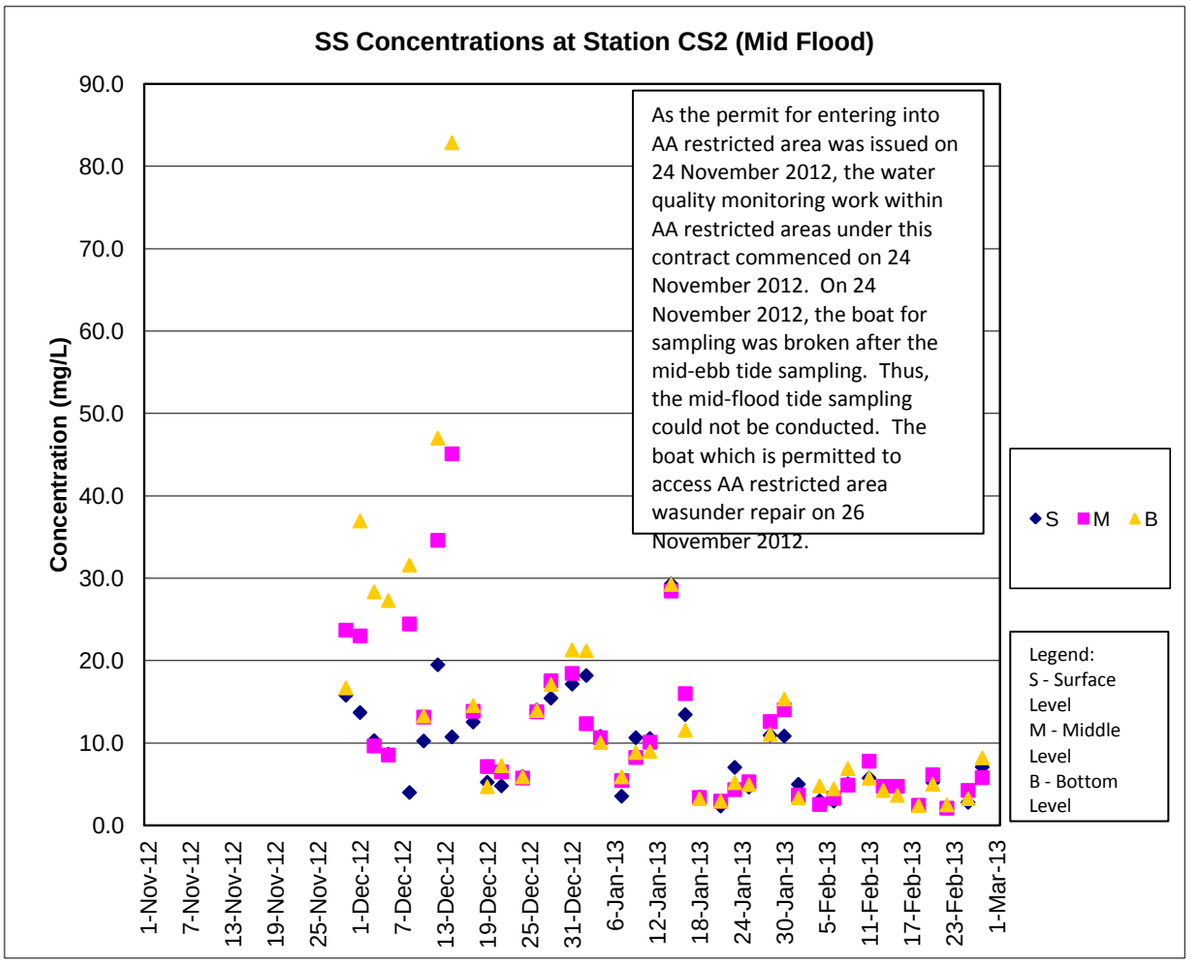

Turbidity Concentrations at Station SR10A (Mid Ebb)
Concentration (NTU)
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

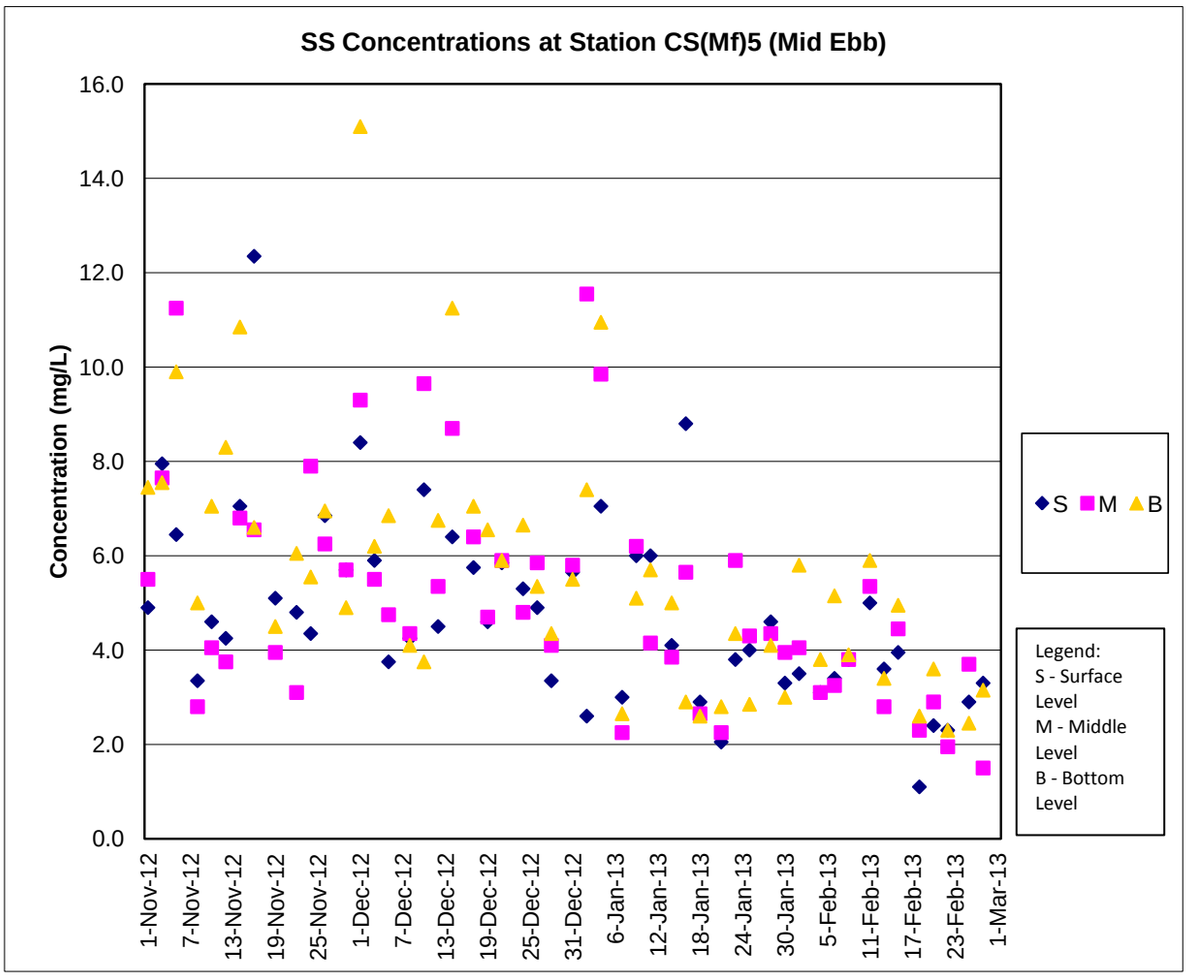

Turbidity Concentrations at Station SR10A (Mid Flood)
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.
Concentration (NTU)
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

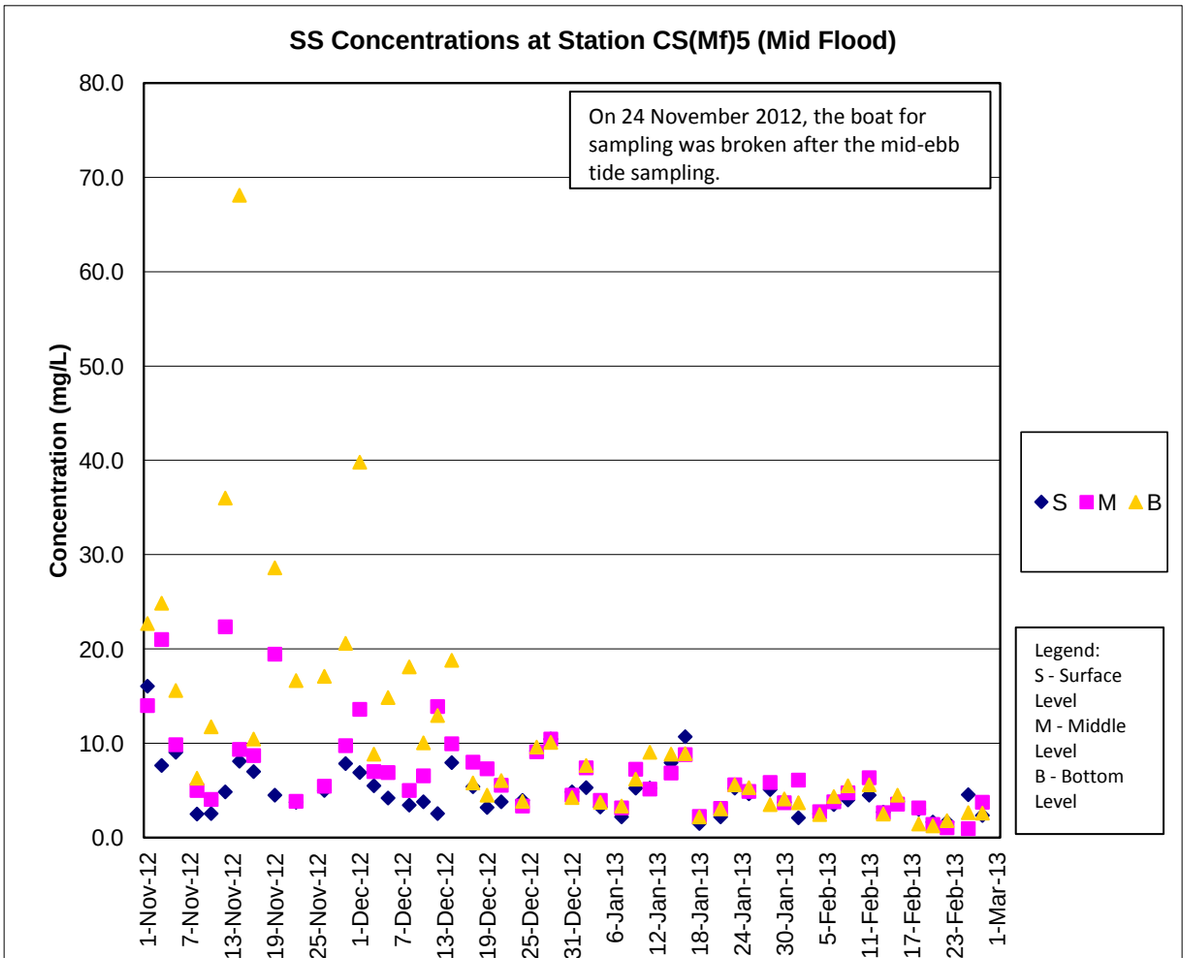

Turbidity Concentrations at Station SR10B (Mid Ebb)
Concentration (NTU)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

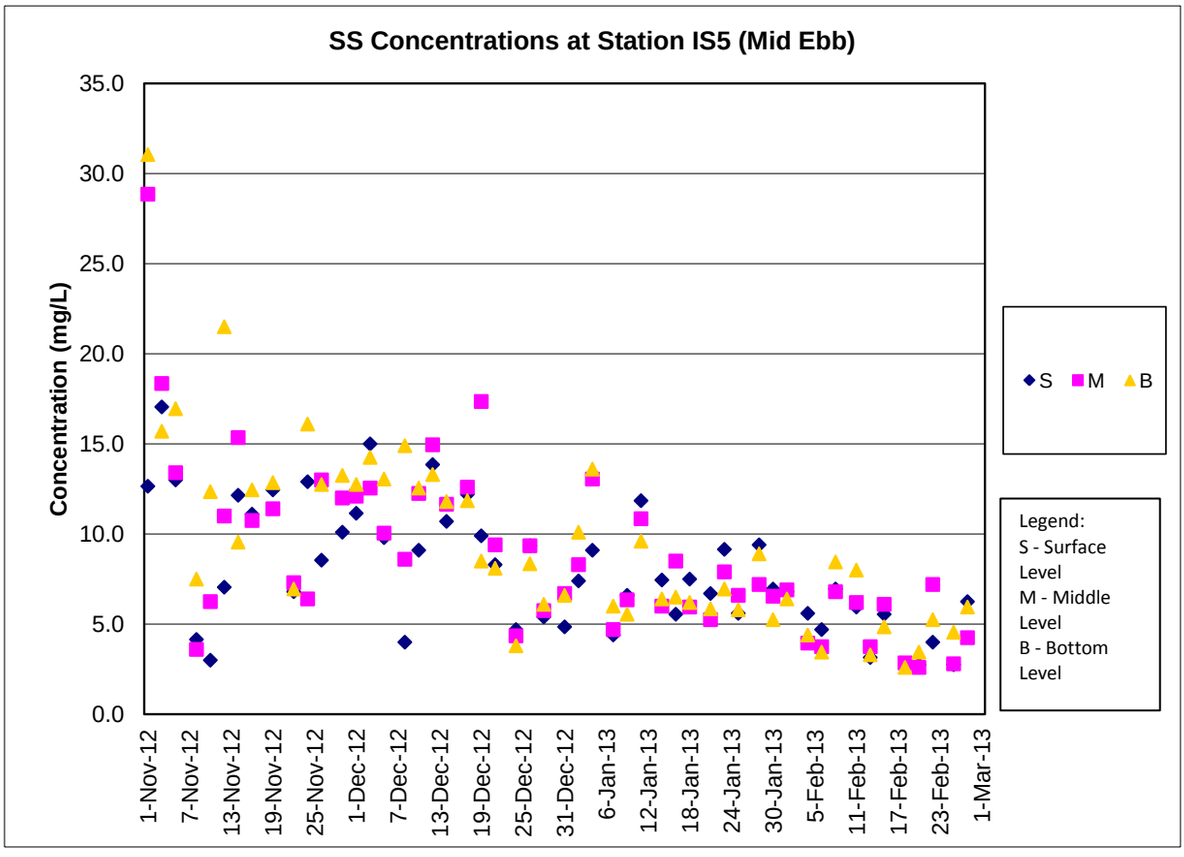

Turbidity Concentrations at Station SR10B (Mid Flood)
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.
Concentration (NTU)
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

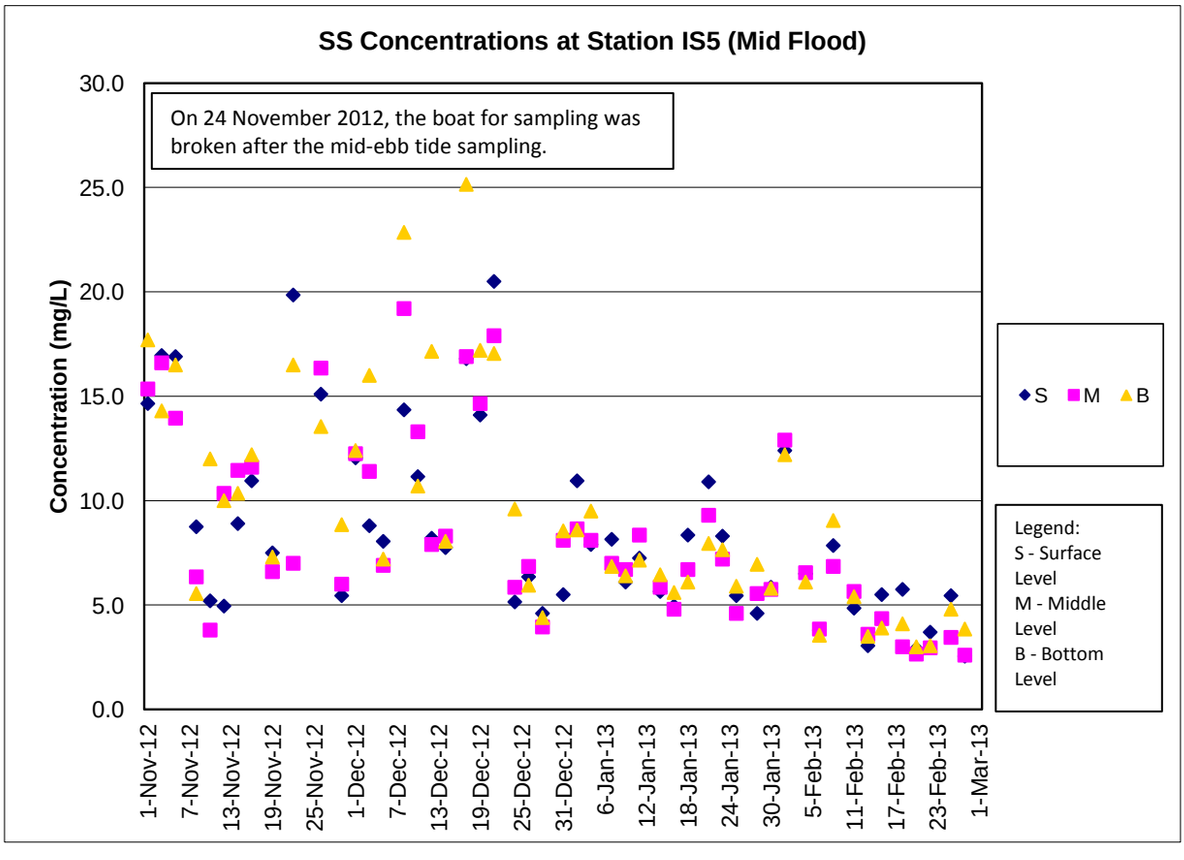

SS Concentrations at Station CS2 (Mid Ebb)
As the permit for entering into restricted area was issued on 24 November 2012, the water quality monitoring work within AA restricted areas under this contract commenced on 24 November 2012.
The boat which is permitted to access AA restricted area was under repair on 26 November 2012.
Concentration (mg/L)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

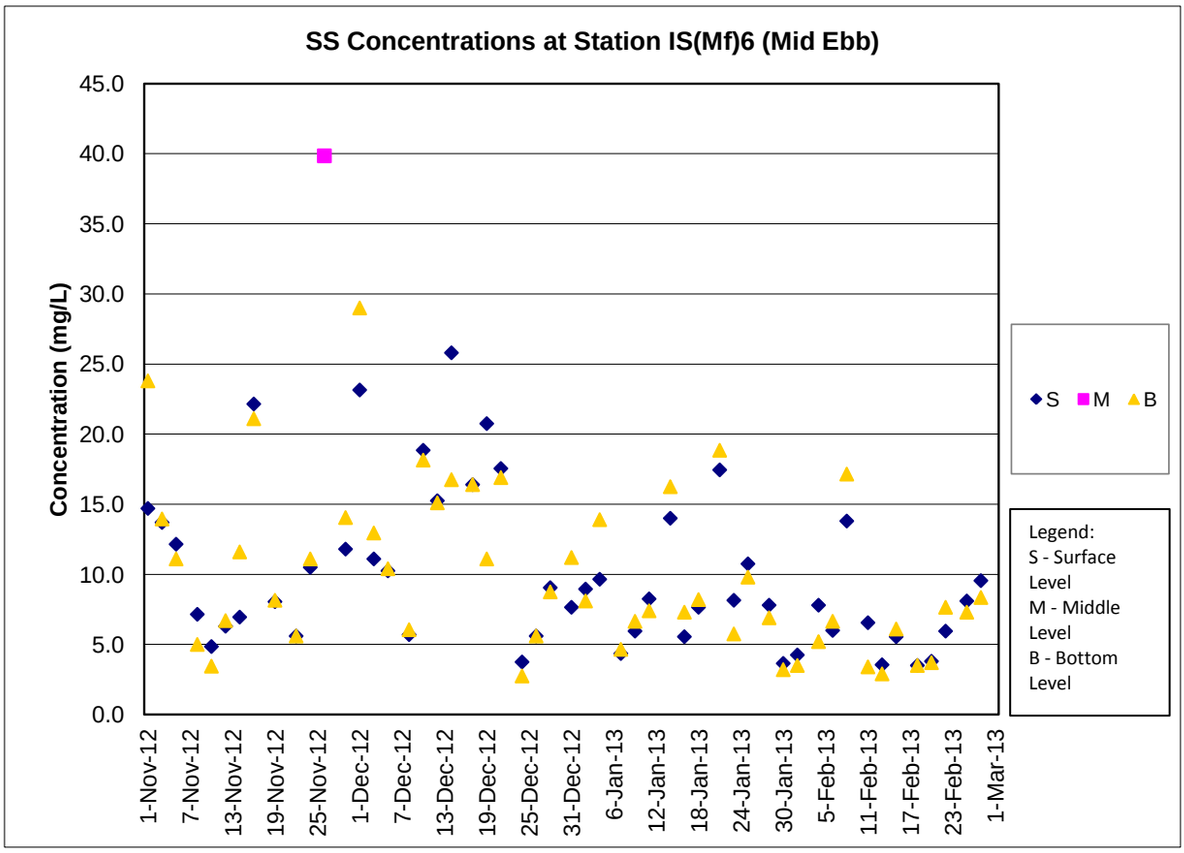

SS Concentrations at Station CS2 (Mid Flood)
As the permit for entering into AA restricted area was issued on 24 November 2012, the water quality monitoring work within AA restricted areas under this contract commenced on 24 November 2012. On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling. Thus, the mid-flood tide sampling could not be conducted. The boat which is permitted to access AA restricted area wasunder repair on 26 November 2012.
Concentration (mg/L)
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

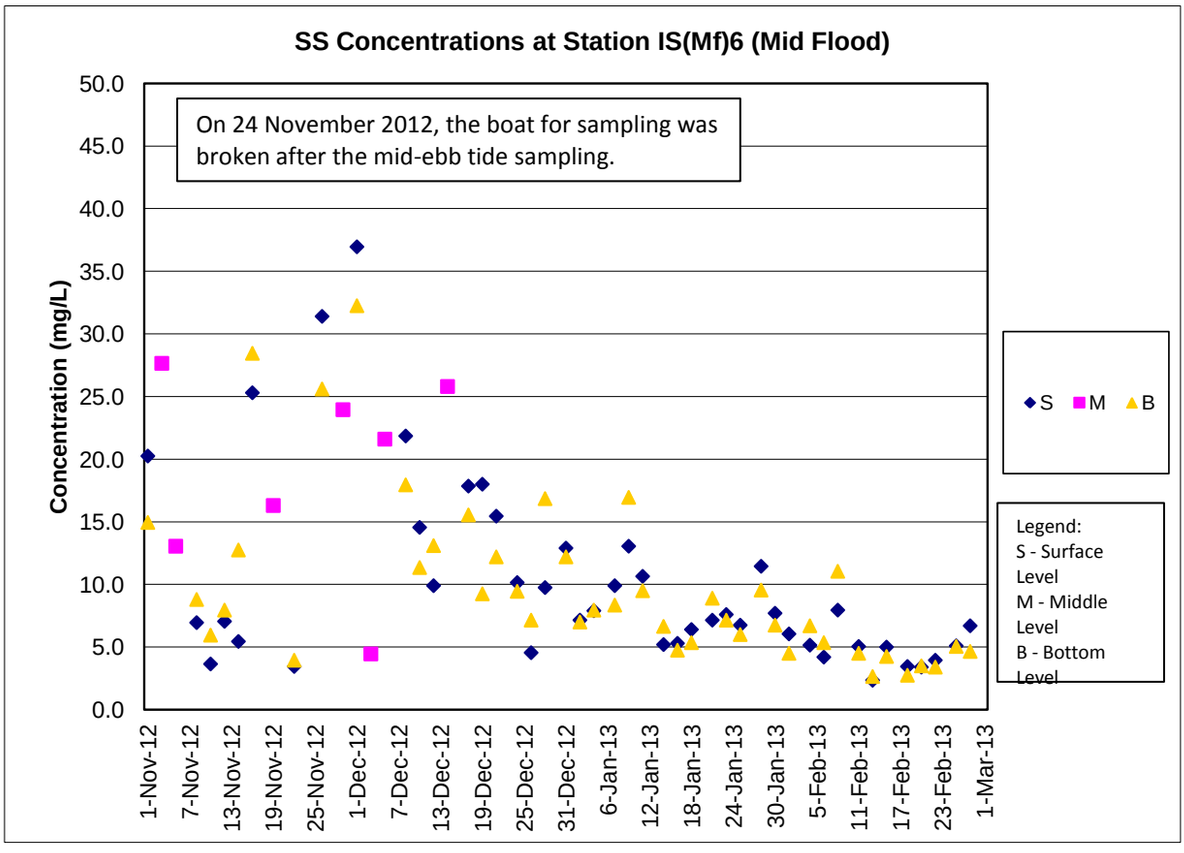

SS Concentrations at Station CS(Mf)5 (Mid Ebb)
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

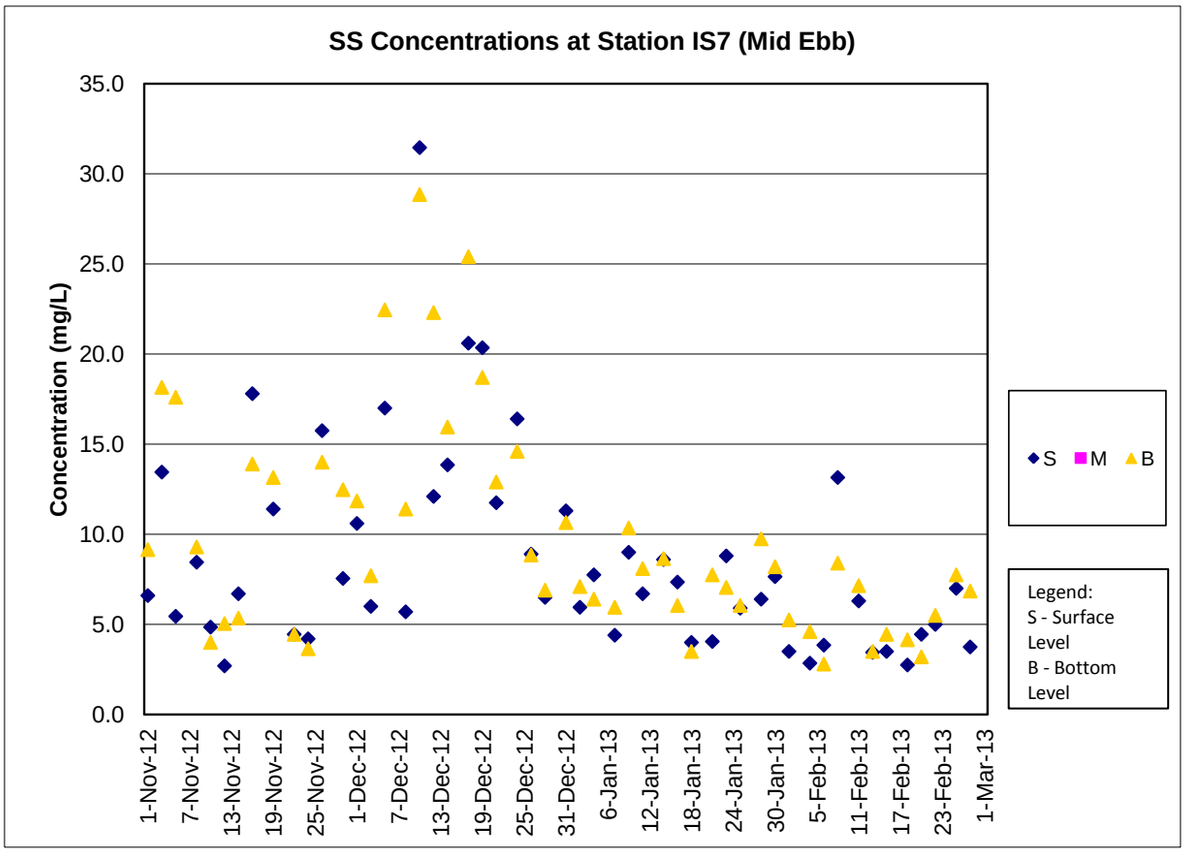

SS Concentrations at Station CS(Mf)5 (Mid Flood)
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.
Concentration (mg/L)
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

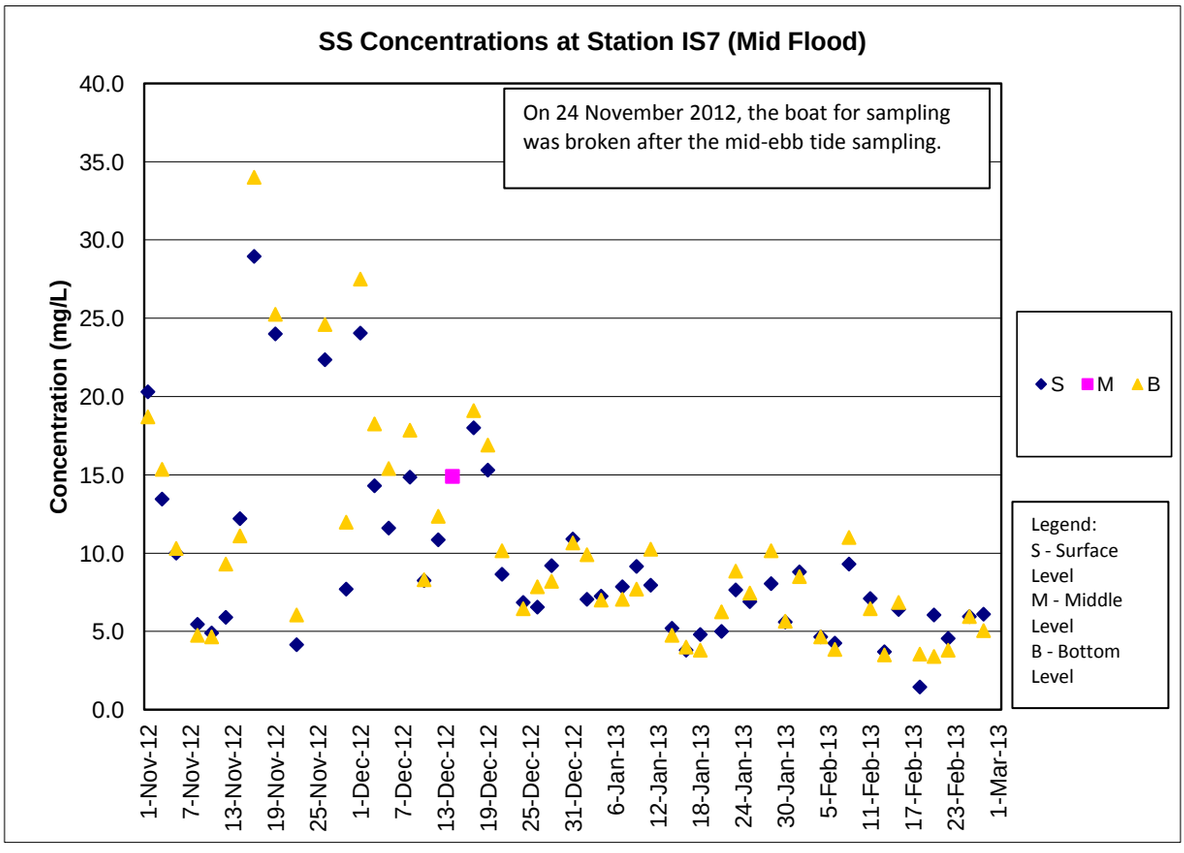

SS Concentrations at Station IS5 (Mid Ebb)
Concentration (mg/L)
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

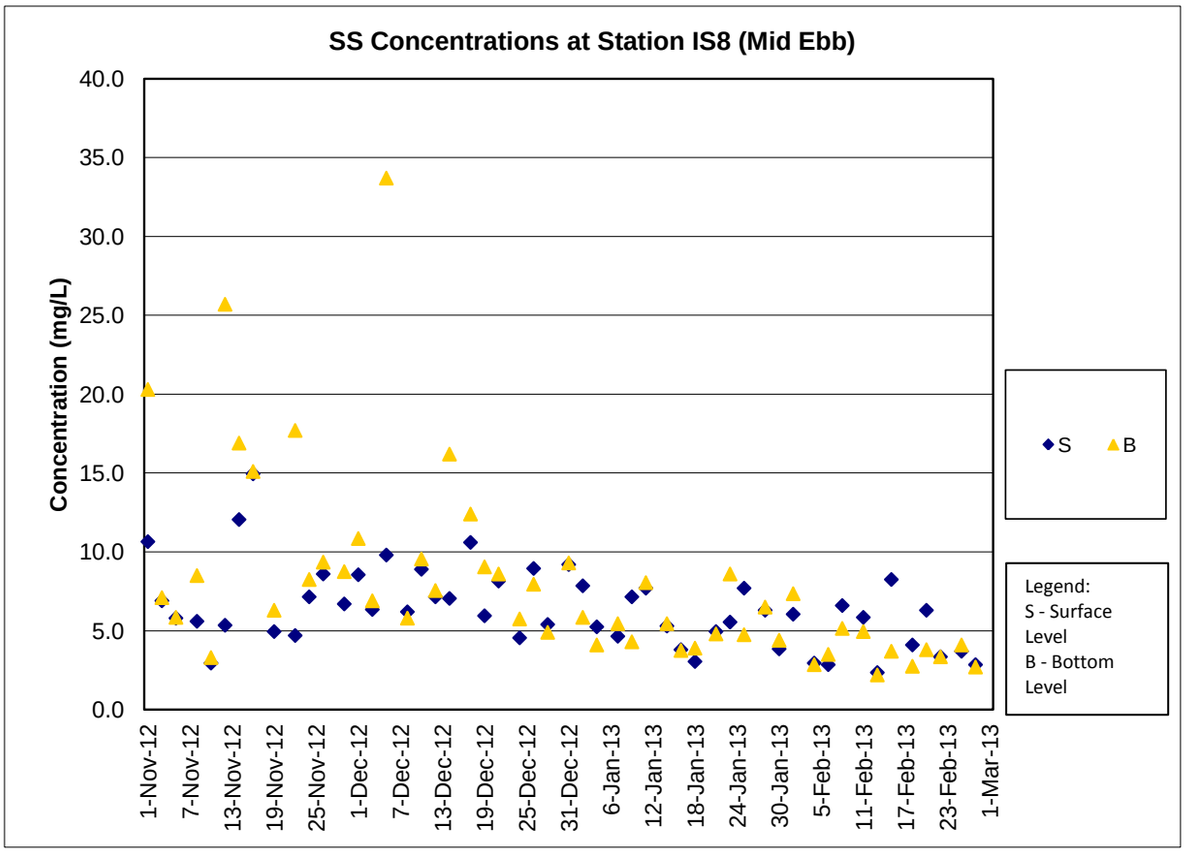

SS Concentrations at Station IS5 (Mid Flood)
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.
Concentration (mg/L)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

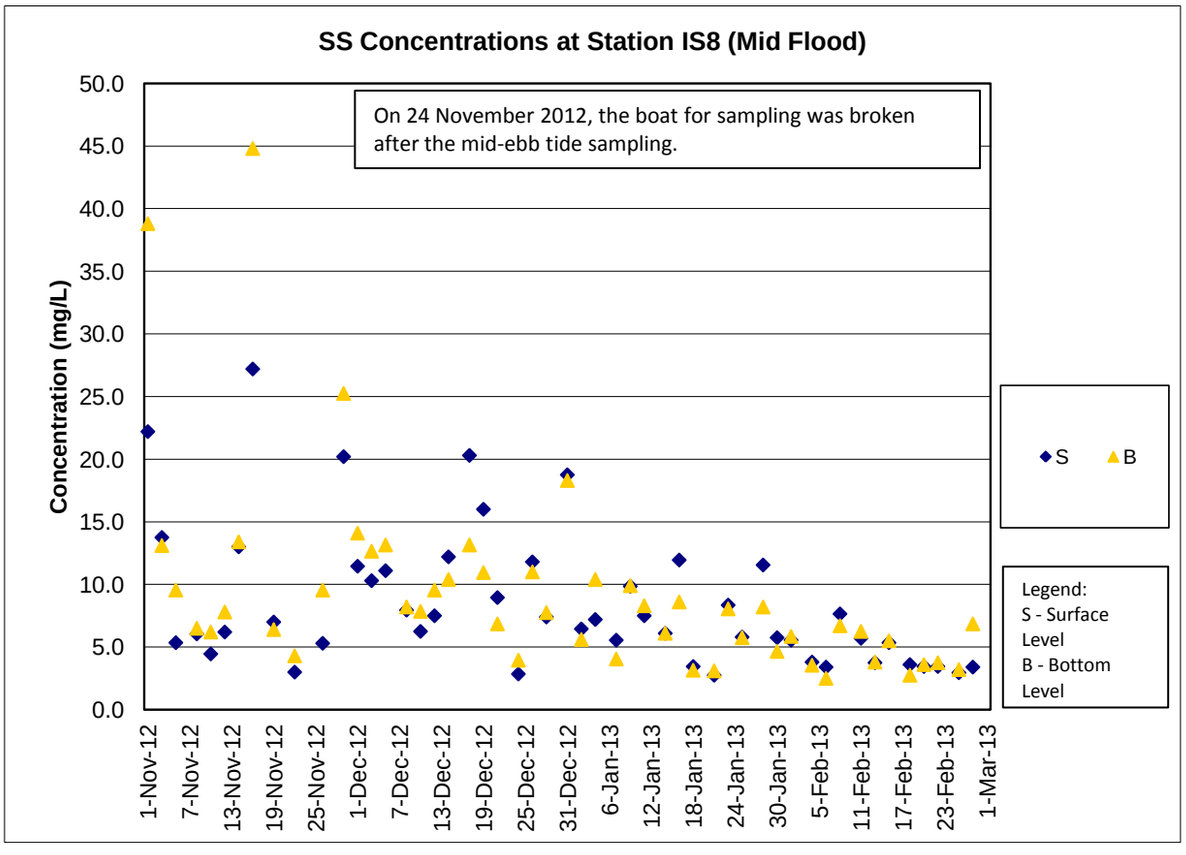

SS Concentrations at Station IS(Mf)6 (Mid Ebb)
Concentration (mg/L)
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

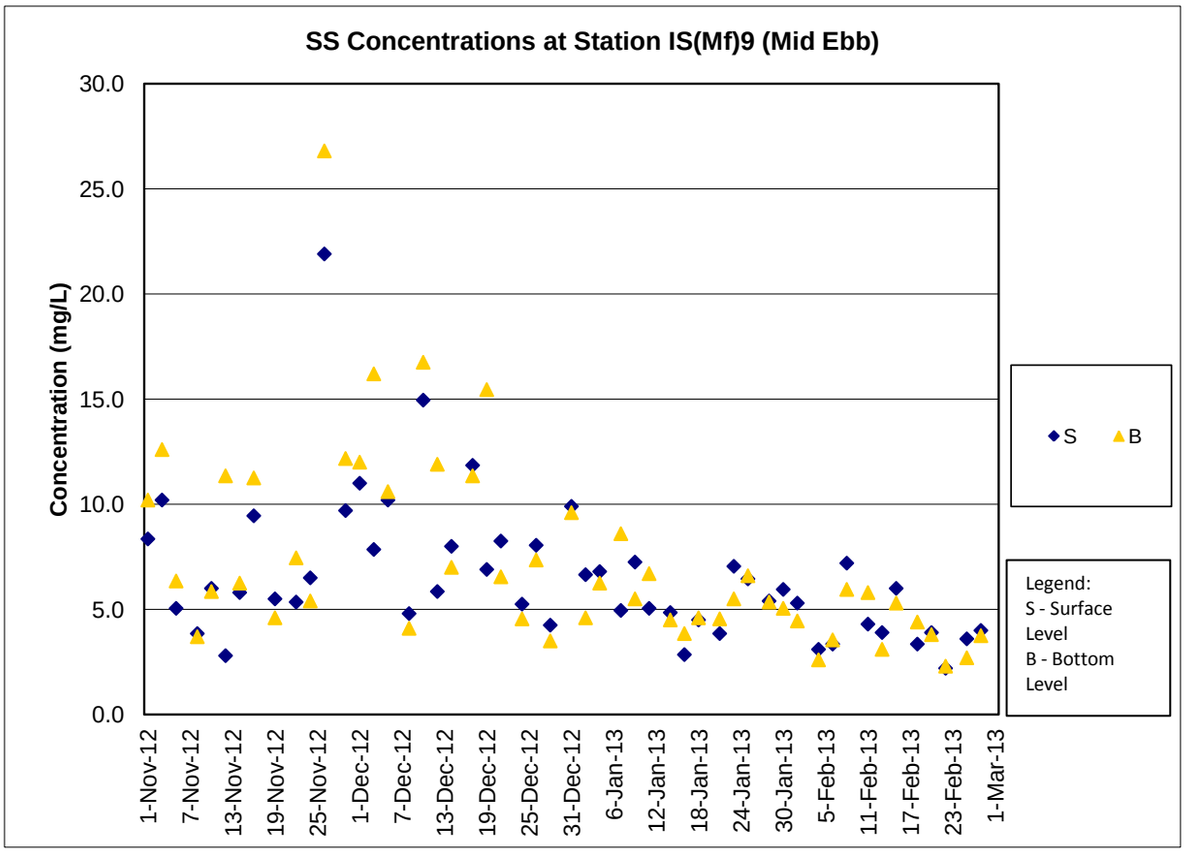

SS Concentrations at Station IS(Mf)6 (Mid Flood)
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.
Concentration (mg/L)
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

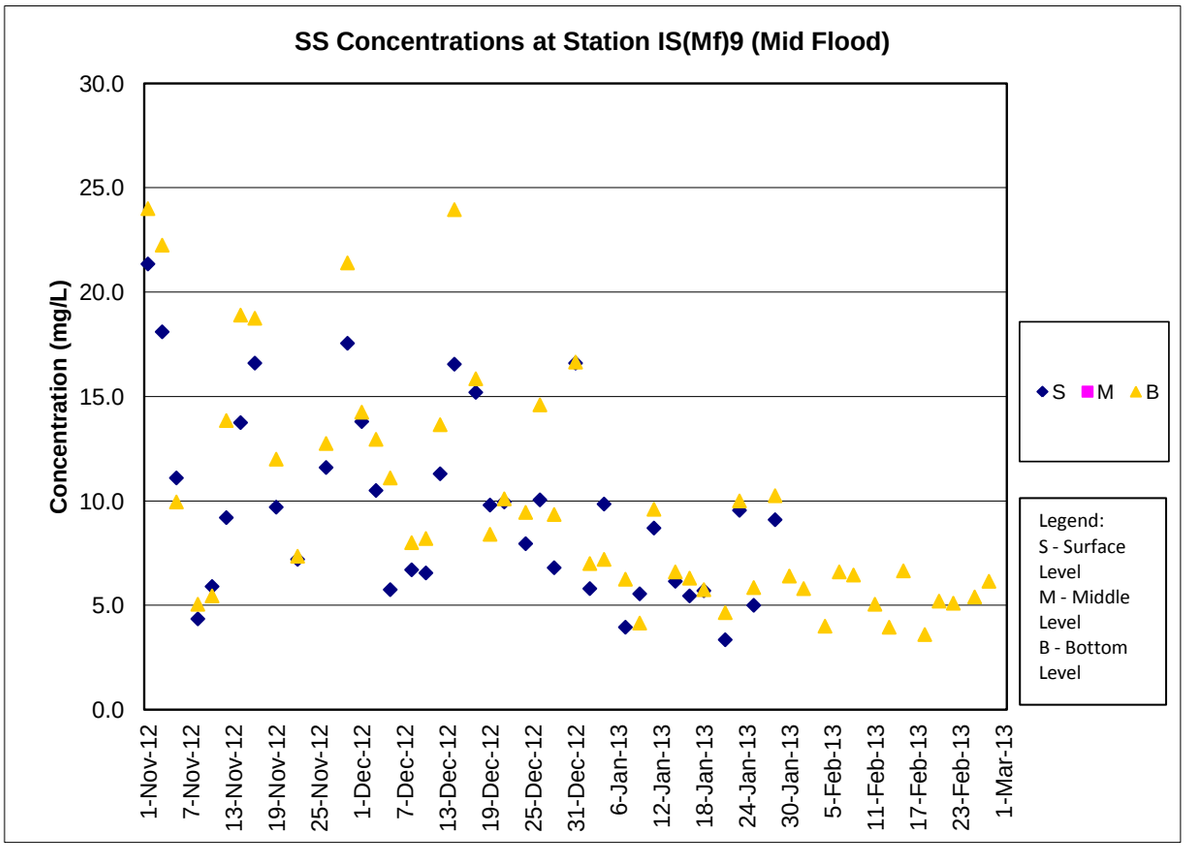

SS Concentrations at Station IS7 (Mid Ebb)
Concentration (mg/L)
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
B - Bottom Level

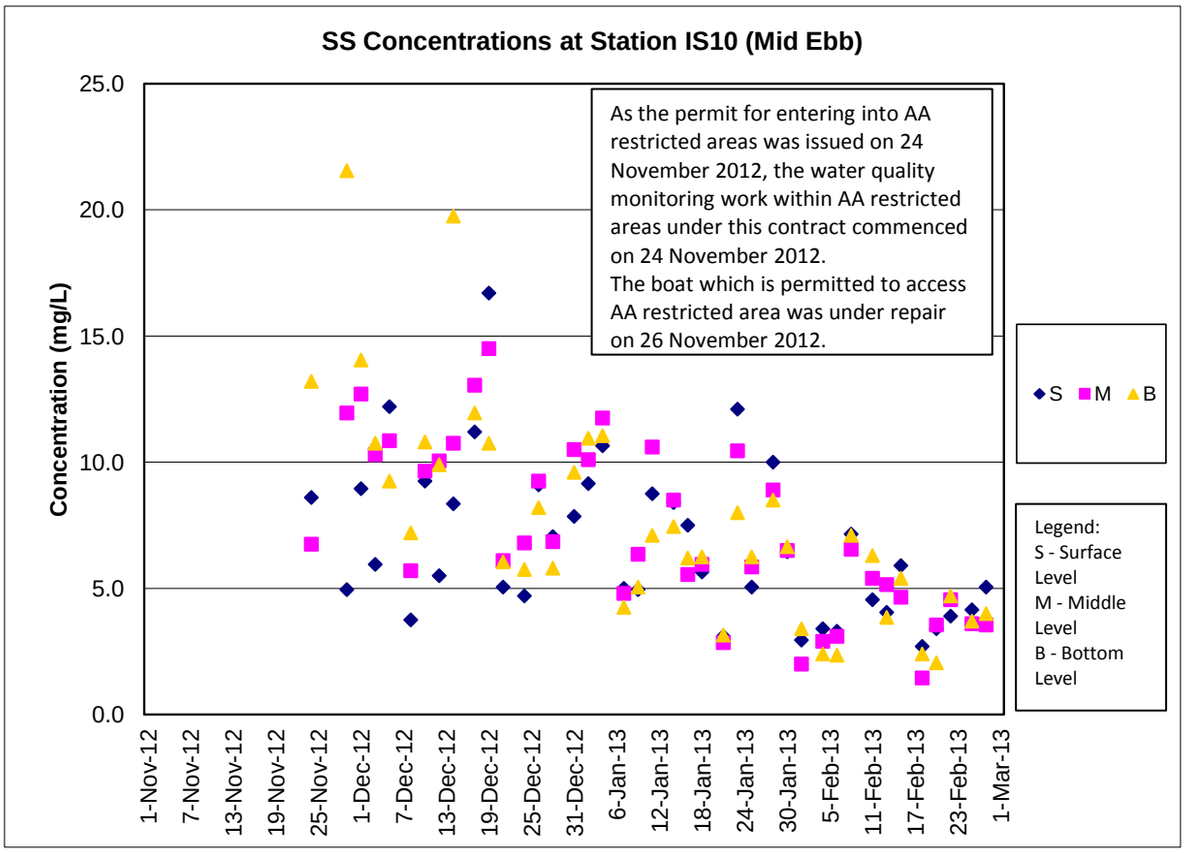

SS Concentrations at Station IS7 (Mid Flood)
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.
Concentration (mg/L)
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

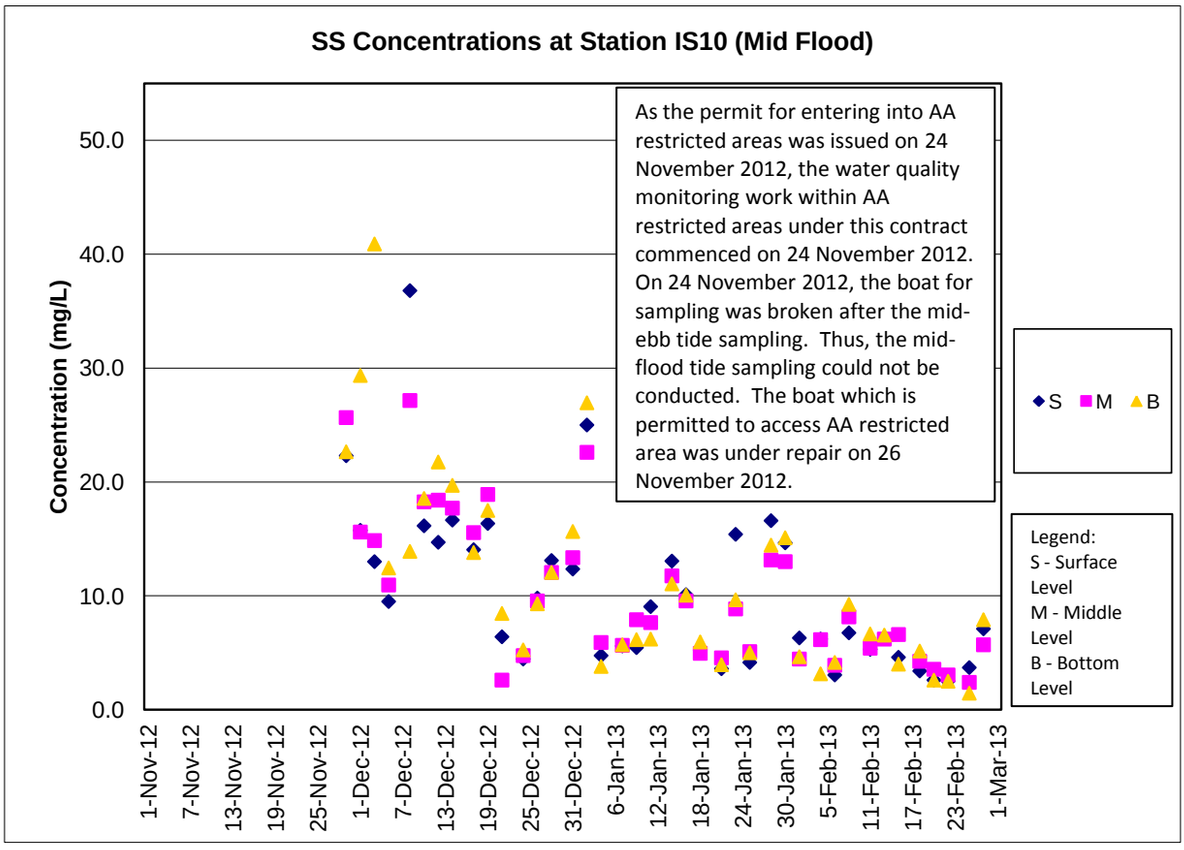

SS Concentrations at Station IS8 (Mid Ebb)
Concentration (mg/L)
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
B
Legend:
S - Surface Level
B - Bottom Level

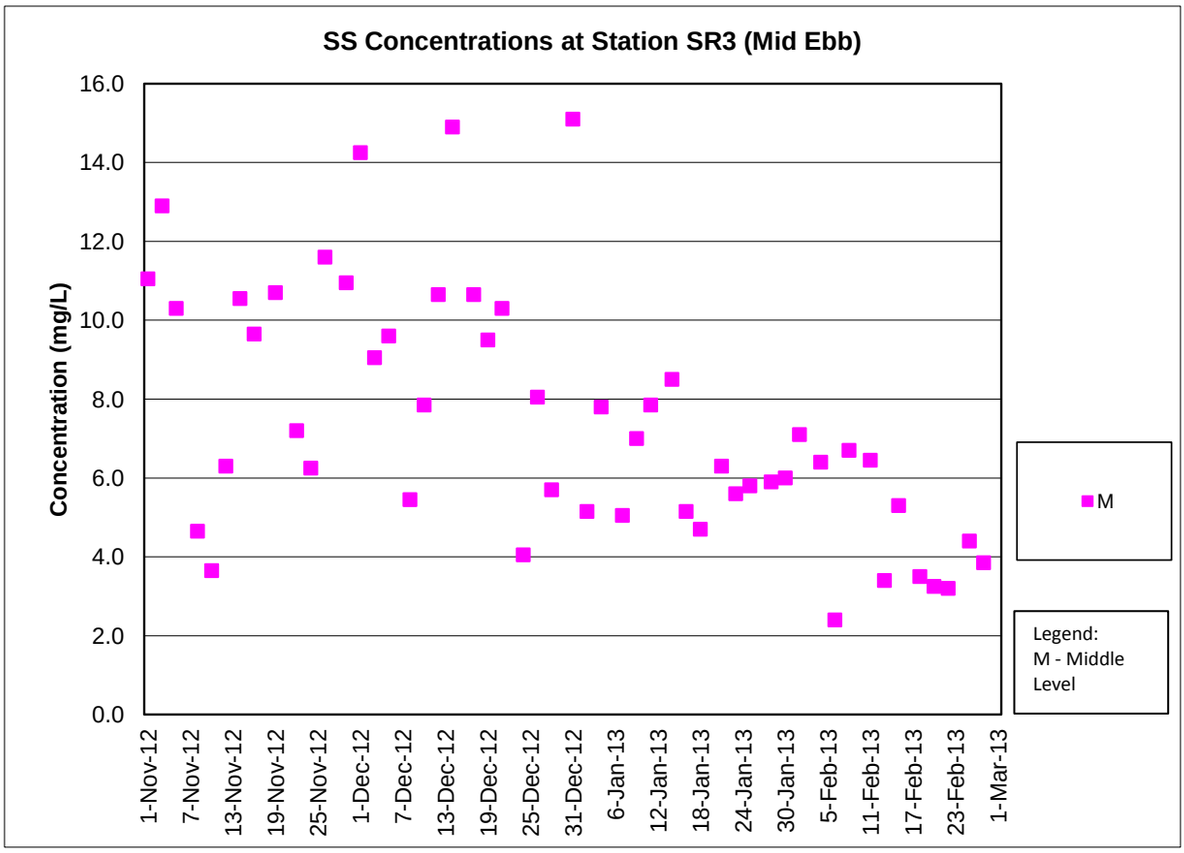

SS Concentrations at Station IS8 (Mid Flood)
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.
Concentration (mg/L)
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
B
Legend:
S - Surface Level
B - Bottom Level

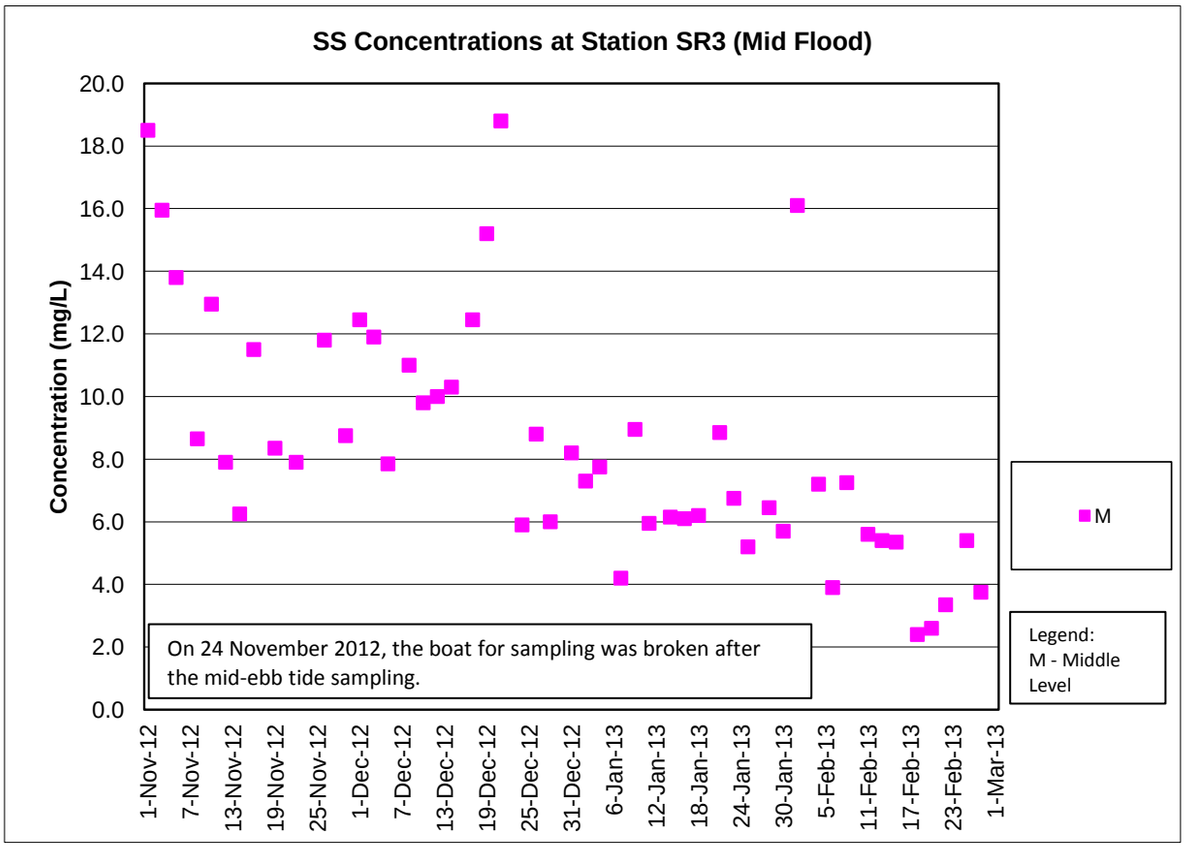

SS Concentrations at Station IS(Mf)9 (Mid Ebb)
Concentration (mg/L)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
B
Legend:
S - Surface Level
B - Bottom Level

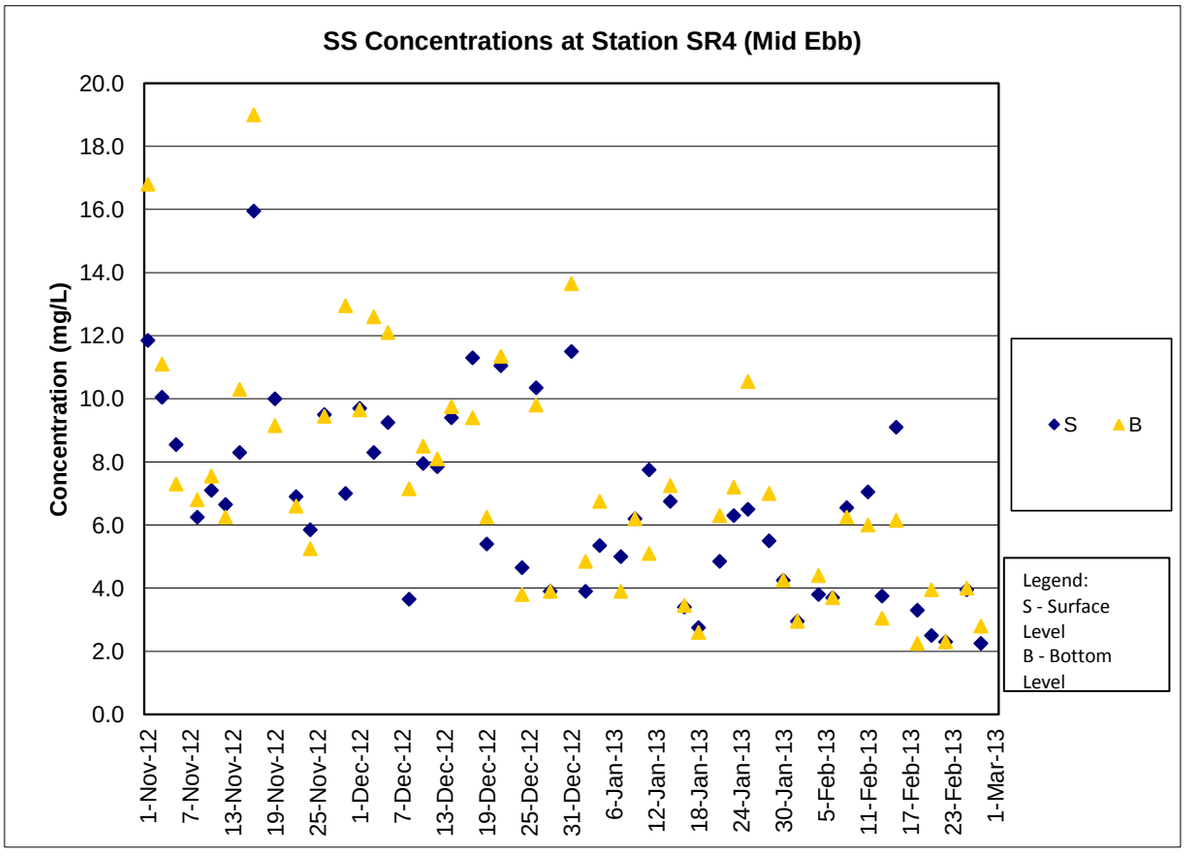

SS Concentrations at Station IS(Mf)9 (Mid Flood)
Concentration (mg/L)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S
M
B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

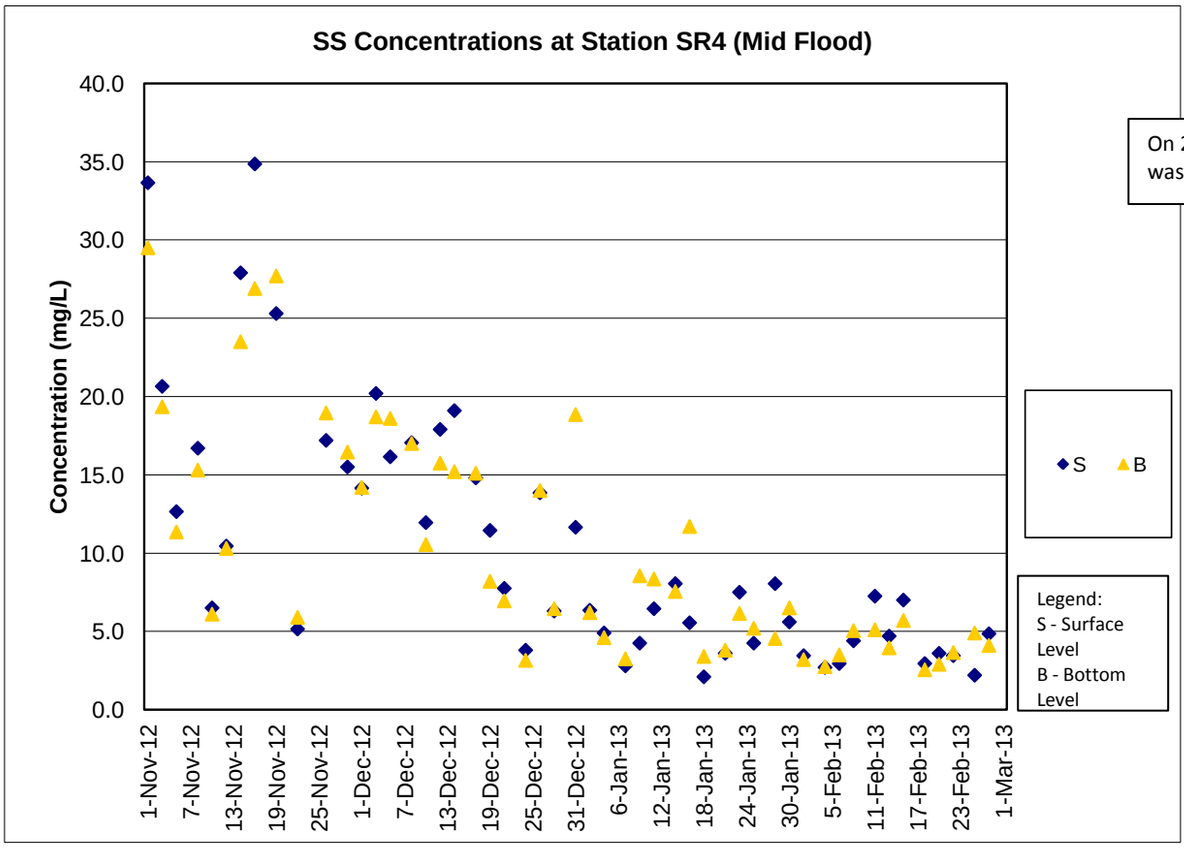

SS Concentrations at Station IS10 (Mid Ebb)
Concentration (mg/L)
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
As the permit for entering into AA restricted areas was issued on 24 November 2012, the water quality monitoring work within AA restricted areas under this contract commenced on 24 November 2012.
The boat which is permitted to access AA restricted area was under repair on 26 November 2012.
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level


SS Concentrations at Station IS10 (Mid Flood)
Concentration (mg/L)
50.0
40.0
30.0
20.0
10.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
As the permit for entering into AA restricted areas was issued on 24 November 2012, the water quality monitoring work within AA restricted areas under this contract commenced on 24 November 2012. On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling. Thus, the mid-flood tide sampling could not be conducted. The boat which is permitted to access AA restricted area was under repair on 26 November 2012.
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level

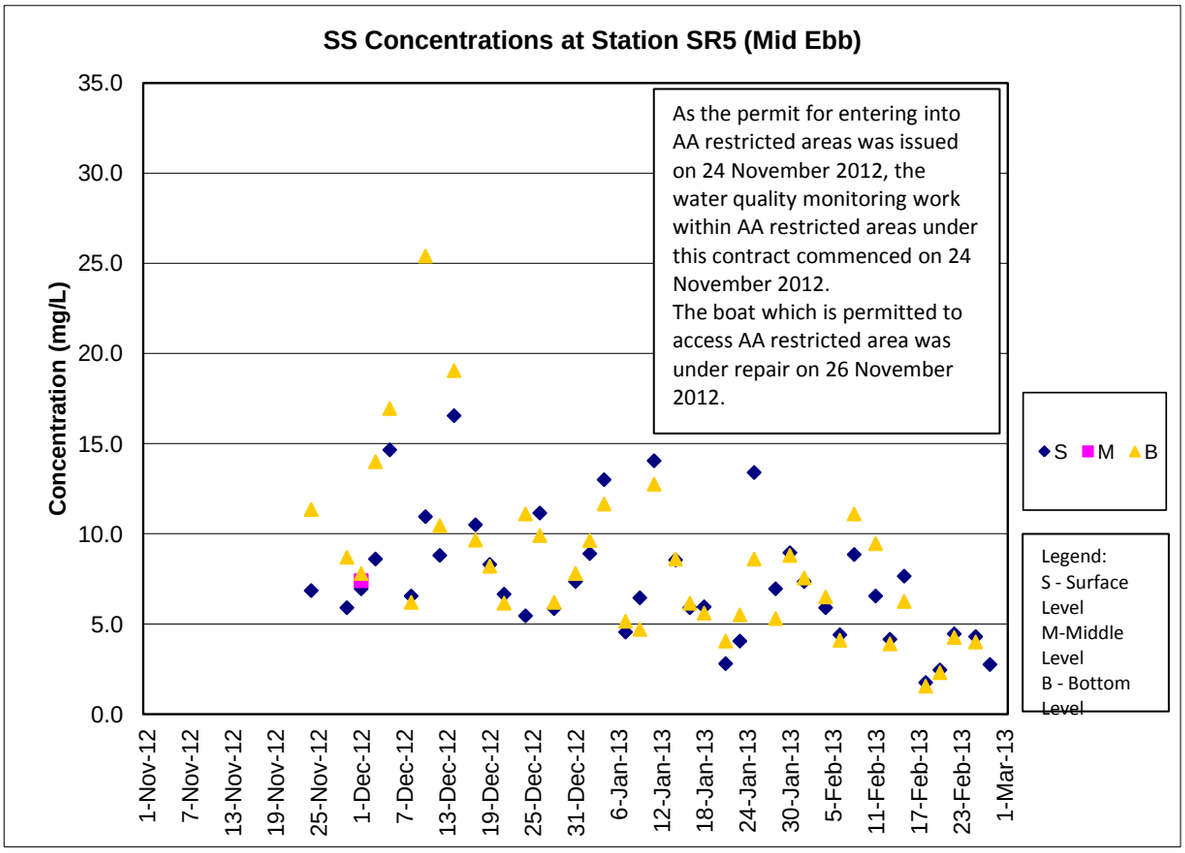

SS Concentrations at Station SR3 (Mid Ebb)
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
M
Legend:
M - Middle
Level

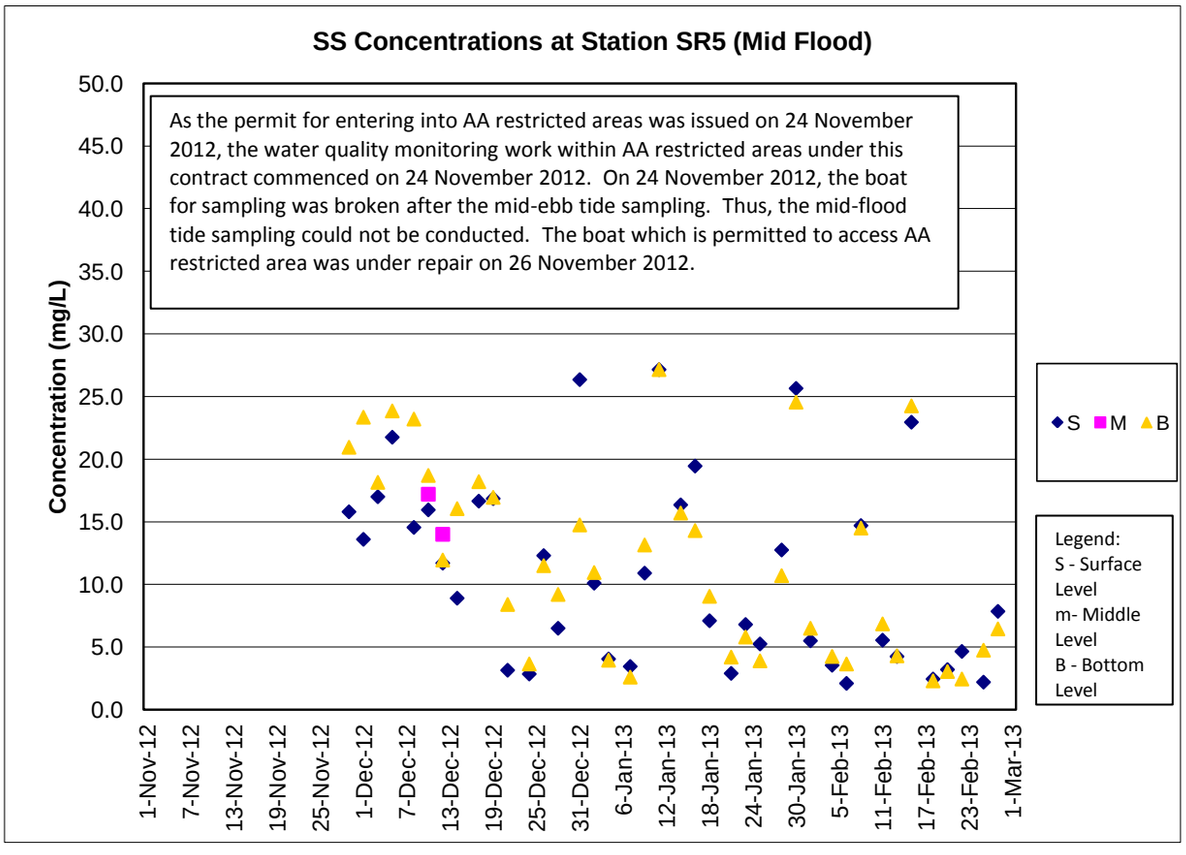

SS Concentrations at Station SR3 (Mid Flood)
Concentration (mg/L)
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
M
Legend:
M - Middle
Level
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.

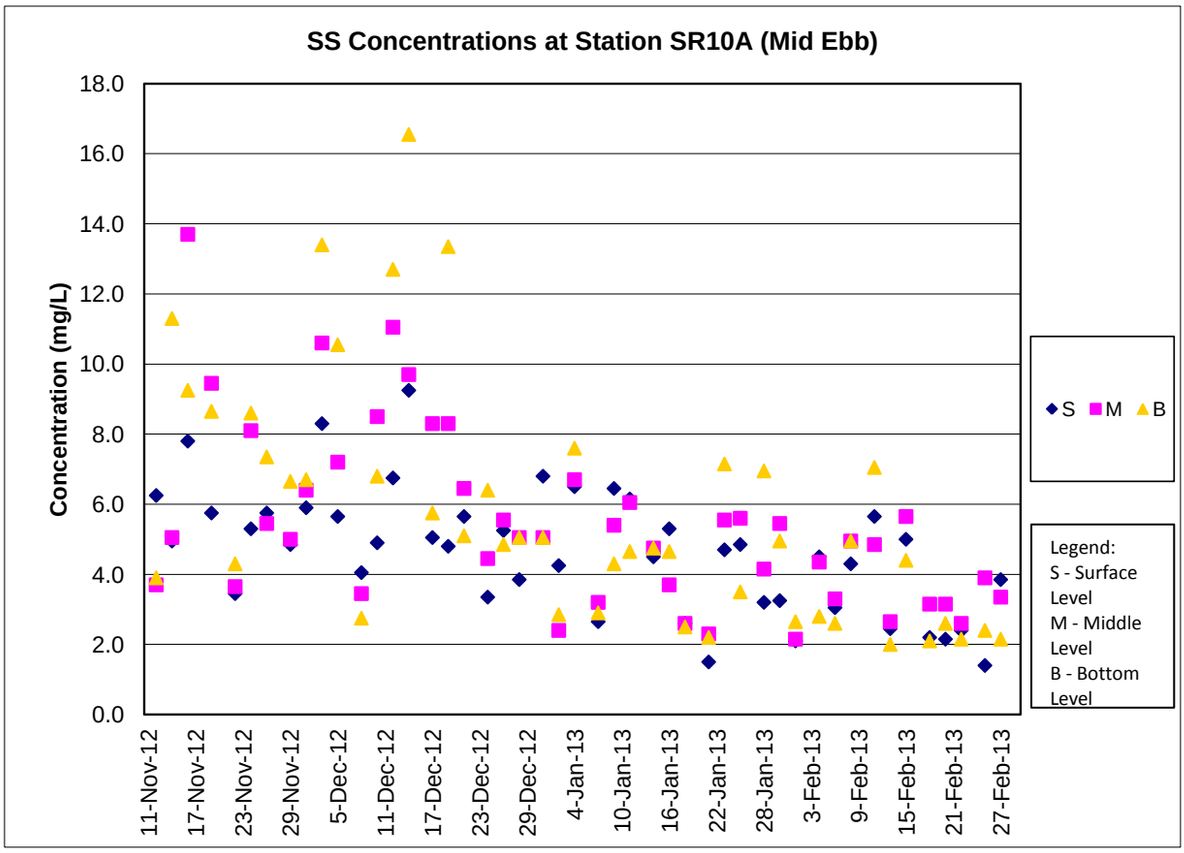


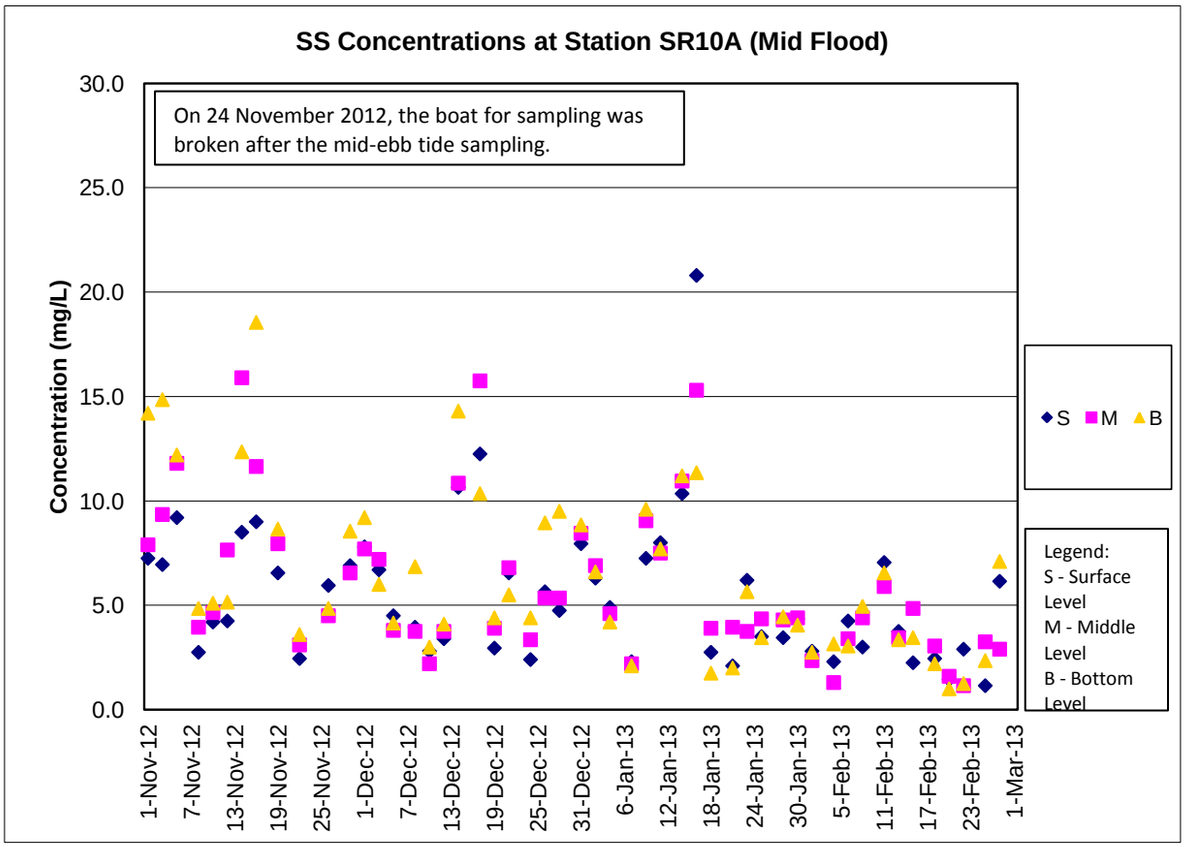


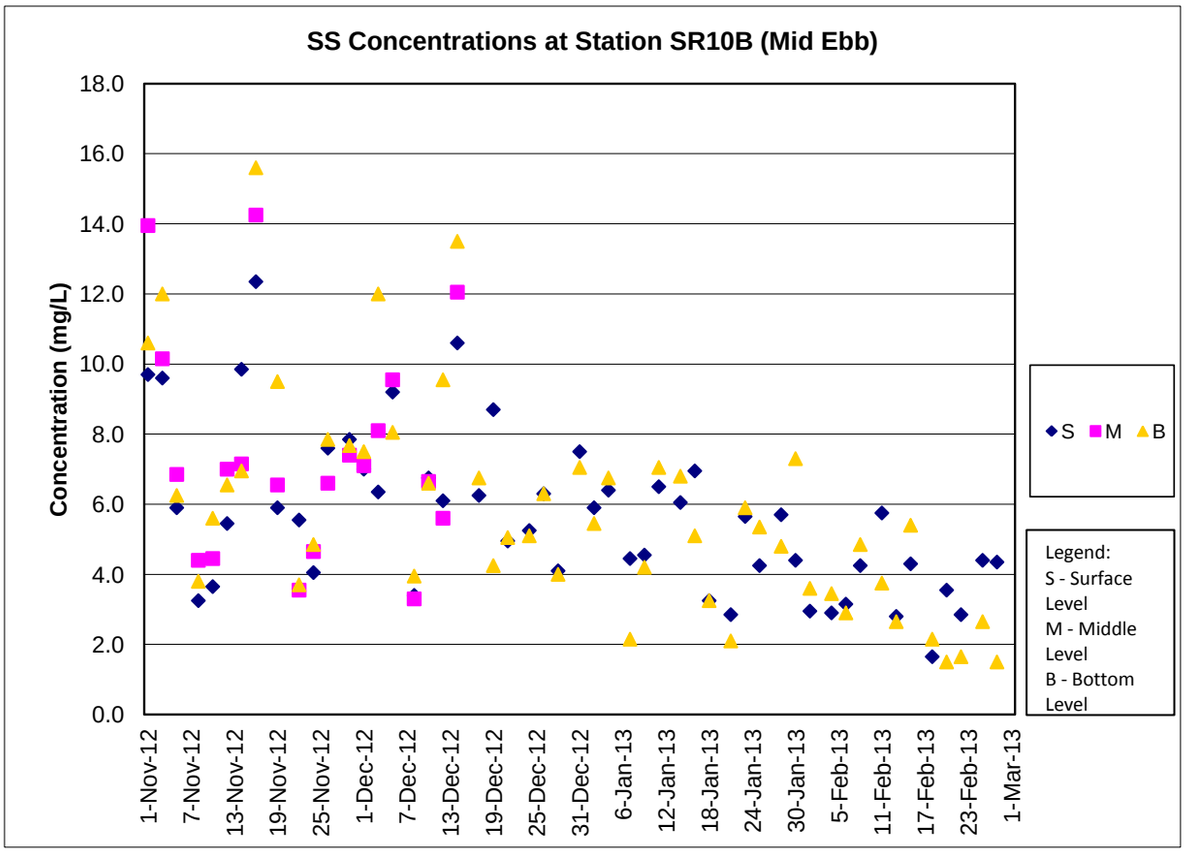
On 24 November 2
was broken after t

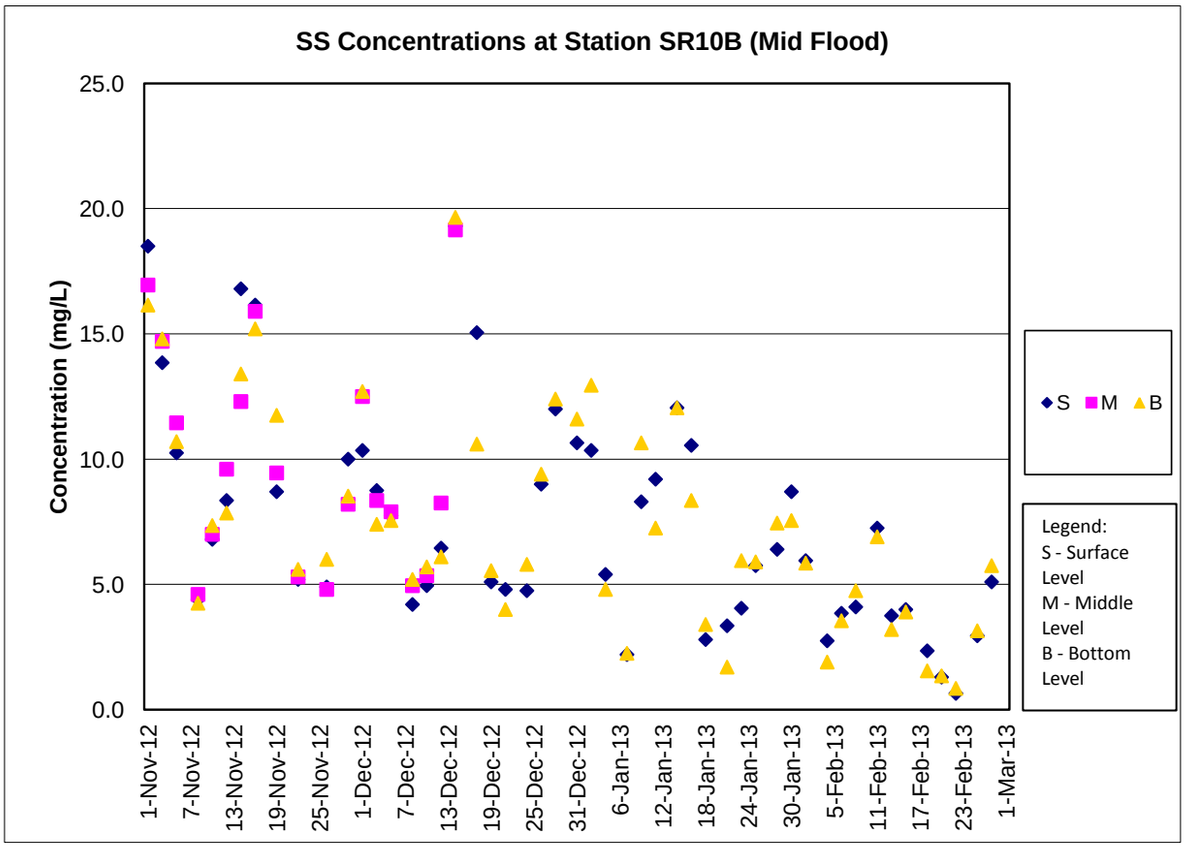

SS Concentrations at Station SR5 (Mid Ebb)
As the permit for entering into AA restricted areas was issued on 24 November 2012, the water quality monitoring work within AA restricted areas under this contract commenced on 24 November 2012.
The boat which is permitted to access AA restricted area was under repair on 26 November 2012.
Concentration (mg/L)
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M-Middle Level
B - Bottom Level


SS Concentrations at Station SR5 (Mid Flood)
As the permit for entering into AA restricted areas was issued on 24 November 2012, the water quality monitoring work within AA restricted areas under this contract commenced on 24 November 2012. On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling. Thus, the mid-flood tide sampling could not be conducted. The boat which is permitted to access AA restricted area was under repair on 26 November 2012.
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-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
m- Middle Level
B - Bottom Level


SS Concentrations at Station SR10A (Mid Ebb)
Concentration (mg/L)
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
11-Nov-12
17-Nov-12
23-Nov-12
29-Nov-12
5-Dec-12
11-Dec-12
17-Dec-12
23-Dec-12
29-Dec-12
4-Jan-13
10-Jan-13
16-Jan-13
22-Jan-13
28-Jan-13
3-Feb-13
9-Feb-13
15-Feb-13
21-Feb-13
27-Feb-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level


SS Concentrations at Station SR10A (Mid Flood)
On 24 November 2012, the boat for sampling was broken after the mid-ebb tide sampling.
Concentration (mg/L)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level


SS Concentrations at Station SR10B (Mid Ebb)
Concentration (mg/L)
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-13
S M B
Legend:
S - Surface Level
M - Middle Level
B - Bottom Level


SS Concentrations at Station SR10B (Mid Flood)
Concentration (mg/L)
25.0
20.0
15.0
10.0
5.0
0.0
1-Nov-12
7-Nov-12
13-Nov-12
19-Nov-12
25-Nov-12
1-Dec-12
7-Dec-12
13-Dec-12
19-Dec-12
25-Dec-12
31-Dec-12
6-Jan-13
12-Jan-13
18-Jan-13
24-Jan-13
30-Jan-13
5-Feb-13
11-Feb-13
17-Feb-13
23-Feb-13
1-Mar-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 (December 2012 – February 2013)
submitted to China State Construction Engineering (HK) Ltd.

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

28 May 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 first quarterly progress report under the HKLR03 construction phase dolphin monitoring programme submitted to the China State Construction Engineering (HK) Limited, summarizing the results of the surveys findings during the period of December 2012 to February 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 (see Figure 2.2 of the Quarterly EM&A Report) 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° and 90° (in relation to the bow, which is defined as 0°). One to two additional experienced observers were available on the boat to work in shift (i.e. rotate every 30 minutes) in order to minimize fatigue of the survey team members. All observers were experienced in small cetacean survey techniques and identifying local cetacean species.

2.1.4. During on-effort survey periods, the survey team recorded effort data including time, position (latitude and longitude), weather conditions (Beaufort sea state and visibility), and distance traveled in each series (a continuous period of search effort) with the assistance of a handheld GPS (*Garmin eTrex Legend*).

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

2.1.6. When dolphins were sighted, the survey team would end the survey effort, and immediately record the initial sighting distance and angle of the dolphin group from the survey vessel, as well as the sighting time and position. Then the research vessel was diverted from its course to approach the animals for species identification, group size estimation, assessment of group composition, and behavioural observations. The perpendicular distance (PSD) of the dolphin group to the transect line was later calculated from the initial sighting distance and angle.

2.1.7. Survey effort being conducted along the parallel transect lines that were perpendicular to the coastlines (as indicated in Figure 2.2 of Quarterly EM&A Report) was labeled as "primary" survey effort, while the survey effort conducted along the connecting lines between parallel lines was labeled as "secondary" survey effort. According to HKCRP long-term dolphin monitoring data, encounter rates of Chinese white dolphins deduced from effort and sighting data collected along primary and secondary lines were similar in NEL and NWL survey areas. Therefore, both primary and secondary survey effort were presented as on-effort survey effort in this report.

2.2. Photo-identification Work

2.2.1. When a group of Chinese White Dolphins were sighted during the line-transect survey, the survey team would end effort and approach the group slowly from the side and behind to take photographs of them. Every attempt was made to photograph every dolphin in the group, and even photograph both sides of the dolphins, since the colouration and markings on both sides may not be symmetrical.

2.2.2. 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 comaprison 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 encoutner rate of sightings and dolphins were dedcued by deducting 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 (December 2012 – February 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 December 2012 to February 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 900.45 km of survey effort was collected, with 95.0% 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, 345.69 km and 544.76 km of survey effort were conducted in NEL and NWL survey areas respectively. In addition, the total survey effort conducted on primary lines was 660.41 km, while the effort on secondary lines

was 240.04 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 Appendix I.

3.1.3. During the six sets of monitoring surveys in December 2012 to February 2013, a total of 48 groups of 187 Chinese White Dolphins were sighted. All except two sightings were made during on-effort search. Forty on-effort sightings were made on primary lines, while another six on-effort sightings were made on secondary lines. Among the two survey areas, 8 groups of 21 dolphins were sighted in NEL, while the other 40 groups of 166 dolphins were sighted in NWL. Summary table of the dolphin sightings is shown in Appendix II.

3.2. Distribution

3.2.1. Distribution of dolphin sightings made during monitoring surveys in December 2012 to February 2013 is shown in Figure 1. The majority of the dolphin sightings were made around Lung Kwu Chau, while other sightings were scattered to the northeast of the airport platform as well as near the Brothers Islands during the three-month study period.

3.2.2. No dolphin was sighted in the vicinity of the HKLR03 reclamation site, but a sighting was made near the adjacent HKBCF reclamation site during the three-month study period (Figure 1). One dolphin sighting was also made along the alignment of the HKLR09 section to the west of the airport.

3.2.3. When compared with the sighting distribution of dolphins during baseline monitoring surveys in September to November 2011, it appears that more sightings were made around Lung Kwu Chau and near the western border adjacent to the Sha Chau and Lung Kwu Chau marine park in the present quarter (Figure 1). In addition, more sightings were made near the northeast corner of the airport platform, while fewer sightings were made near Pillar Point, the HKBCF reclamation site and around the Brothers Islands during the present three-month period than the baseline period (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 (Dec 2012 – Feb 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 (4 & 6 Dec 2012)	5.42	10.84
	Set 2 (11 & 13 Dec 2012)	0.00	0.00
	Set 3 (2 & 4 Jan 2013)	2.65	2.65
	Set 4 (8 & 10 Jan 2013)	8.24	21.98
	Set 5 (1 & 6 Feb 2013)	2.54	2.54
	Set 6 (18 & 20 Feb 2013)	0.00	0.00
Northwest Lantau	Set 1 (4 & 6 Dec 2012)	5.60	21.01
	Set 2 (11 & 13 Dec 2012)	13.73	60.78
	Set 3 (2 & 4 Jan 2013)	5.57	43.14
	Set 4 (8 & 10 Jan 2013)	3.08	12.33
	Set 5 (1 & 6 Feb 2013)	15.54	63.56
	Set 6 (18 & 20 Feb 2013)	6.62	14.57

	Encounter rate (STG) (no. of on-effort dolphin sightings per 100 km of survey effort)		**Encounter rate (ANI)** (no. of dolphins from all on-effort sightings per 100 km of survey effort)	
	December 2012 – February 2013	**September-November 2011**	**December 2012 – February 2013**	**September-November 2011**
Northeast Lantau	3.14 ± 3.21	6.00 ± 5.05	6.33 ± 8.64	22.19 ± 26.81
Northwest Lantau	8.36 ± 5.03	9.85 ± 5.85	35.90 ± 23.10	44.66 ± 29.85

Table 3. Comparison of average dolphin encounter rates from impact monitoring period (December 2012 – February 2013) and baseline monitoring period (September-November 2011) (Note: the encounter rates deduced from the baselie monitroing period have been recalculated based only on the survey effort and on-effort sighting data made along the primary transect lines under favourable conditions)

3.3.2. In NEL, the average dolphin encounter rates (both STG and ANI) in the present three-month study period were 50% and 72% lower than the ones recorded in the 3-month baseline period, indicating a much lower dolphin usage during this impact phase monitoring period in this survey area. On the other hand, the average dolphin encounter rate (both STG and ANI) in NWL during the present impact phase monitoring period was only slightly lower (reductions of 15 and 20% respectively) than the ones recorded in the 3-month baseline period.

3.3.3. 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 (second quarter of the impact phase), the p-value for the differences in average dolphin encounter rates of STG and ANI were 0.2810 and 0.3011 respectively. On the other hand, for the comparison between the baseline period and the cumulative quarters in impact phase (i.e. first and second quarters of the impact phase), the p-value for the differences in average dolphin encounter rates of STG and ANI were 0.0529 and 0.1917 respectively.

3.3.4. For this statistical comparison, the alpha value is set at 0.1 due to the small sample size for each quarter that would likely not be enough to give a higher statistical power in this analysis. With the alpha value at 0.1, no significant difference is detected between the baseline period and the present quarter. However, the comparison between the baseline period and the cumulative quarters in the impact phase indicates that a significant difference is detected in the average dolphin encounter rate of STG (i.e. between the two periods and the locations), but not in the average dolphin encounter rate of ANI (i.e. the difference occurred only between the two locations but not the two periods).

3.3.5. Notably, the sample size of each quarter was fairly small that the statistical power is reduced for comparison between two quarters (i.e. baseline phase vs. present quarter in impact phase). Even though a decline between the baseline phase and present quarter is obvious, more data would be needed to detect a statistical difference. Therefore the comparison between the baseline period

and the cumulative quarters in the impact phase should also be performed throughout the impact phase monitoring period.

3.3.6. 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 7.46 sightings and 31.2 dolphins per 100 km of survey effort respectively, while the encounter rates of sightings (STG) and dolphins (ANI) in NEL were 2.31 sightings and 6.07 dolphins per 100 km of survey effort respectively.

3.4. Group size

3.4.1. Group size of Chinese White Dolphins ranged from 1-7 individuals per group in NEL and 1-17 individuals per group in NWL during December 2012 to February 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 (December 2012 – February 2013) and baseline monitoring period (September-November 2011)

	Average Dolphin Group Size	
	December 2012 – February 2013	**September-November 2011**
Overall	3.90 ± 3.53 (n = 48)	3.72 ± 3.13 (n = 66)
Northeast Lantau	2.63 ± 2.13 (n = 8)	3.18 ± 2.16 (n = 17)
Northwest Lantau	4.15 ± 3.71 (n = 40)	3.92 ± 3.40 (n = 49)

3.4.2. The average dolphin group sizes in the entire North Lantau region during December 2012 – February 2013 was slightly higher than the ones recorded in the 3-month baseline period (Table 4). Among the two areas, the average dolphin group size in NEL during the impact phase monitoring period was slightly lower than the baseline period, while the one in NWL was slightly higher (Table 4).

3.4.3. Distribution of dolphins with larger group sizes during December 2012 – February 2013 is shown in Figure 2. These groups were mostly concentrated around the Lung Kwu Chau area, which included four large dolphin groups with more than 10 animals in each group. However, only one group of seven animals was sighted in NEL during the impact phase monitoring period while

the rest of the dolphin groups sighted composed of a few individual.

3.5. Habitat use

3.5.1. From December 2012 to February 2013, the most heavily utilized habitats by Chinese White Dolphins mainly concentrated around Lung Kwu Chau and Sha Chau in NWL, as well as near Siu Ho Wan in NEL (Figures 3a and 3b).

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. Notably, one grid near HKBCF (P17) recorded moderately high SPSE (16.7) and DPSE values (66.7), but none of the grids along the alignment of HKLR recorded any dolphin densities. This was different from the baseline period when several grids along the alignment of HKLR (Grids F21 and G20, to the west of the airport platform) recorded moderate to high dolphin densities.

3.6. Mother-calf pairs

3.6.1. During the three-month study period, a total of one unspotted calf (UC) and 10 unspotted juveniles (UJ) were sighted in NEL and NWL survey areas. These young calves comprised 6.4% of all animals sighted, which was very similar to the percentage recorded during the baseline monitoring period (6.8%).

3.6.2. These young calves mainly occurred within the Sha Chau and Lung Kwu Chau Marine Park, while some calves were also sighted near Black Point and Siu Ho Wan (Figure 4). Notably, no young calves were found in the vicinity of the HKLR or HKBCF work sites in December 2012 to February 2013.

3.7. Activities and associations with fishing boats

3.7.1. A total of 14 dolphin sightings were associated with feeding and socializing activities during the three-month study period, comprising of 16.7% and 12.5% of the total number of dolphin sightings. Both percentages were higher than the percentages recorded during the baseline period (feeding activity: 11.6%; socializing activity: 5.4%). Only a lone dolphin was engaged in traveling activity near the HKBCF site in NEL (Figure 5).

3.7.2. Distribution of dolphins engaged in different activities during the three-month study period is shown in Figure 5. Most of the feeding and socializing activities occurred between Sha Chau and Lung Kwu Chau, while some were

also made near Siu Ho Wan (Figure 5). Moreover, one group of four dolphins was engaged in traveling activity to the east of the HKBCF site. It is uncertain whether the dolphins were disturbed by the construction activities and were traveling quickly through the area.

3.7.3. During the three-month period, only one dolphin group were found to be associated with an operating shrimp trawler, comprising of 2.1% 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. Photo-identification and individual range use

3.8.1. From December 2012 to February 2013, over 3,000 digital photographs of Chinese White Dolphins were taken during the impact phase monitoring surveys for the photo-identification work.

3.8.2. In total, 57 individuals sighted 103 times altogether were identified (see summary table in Appendix III). The number of re-sightings made in NEL and NWL were 13.6% and 86.4% of the total respectively. Notably, a very high percentage of dolphins sighted in NEL (14 out of 21 dolphins) were identified as known individuals, and these are all considered to be year-round residents (e.g. EL01, NL18, NL33, NL123) that regularly occur in North Lantau waters.

3.8.3. Most identified individuals were sighted only once or twice during the three-month period, with the exception of 13 individuals being sighted thrice (e.g. NL93, NL139, NL165), and one individual being sighted four times (NL260).

3.8.4. Ranging patterns of the 57 individuals identified during the three-month study period were determined by fixed kernel method, and are shown in Appendix IV. Notably, many of these individuals being sighted a few times ranged extensively across NEL and NWL.

3.8.5. A number of individuals were sighted in both NEL and NWL survey areas (e.g. EL01, NL123, NL136, NL179, NL285), indicating that the on-going HZMB construction works have not seriously affected their movement between the two areas.

3.8.6. However, a number of year-round residents (e.g. CH34, NL118, NL191, NL284) that used to utilize the Brothers Islands as their core areas have not been seen there during this quarter and the previous quarter. Their range use should be continuously monitored in the upcoming quarters to determine whether their movement into NEL has been affected by the reclamation works of HKLR03 or HKBCF.

3.8.7. It should be noted that only a few individuals (i.e. NL49, NL93, NL191, NL246, NL259, NL260) have their ranges overlapped with the HKLR03 construction works (Appendix IV), and their movement will likely not be affected by the reclamation works of the present project. Nevertheless, the range use of individual dolphins will be continuously monitored throughout the construction period to examine whether any shift in ranging pattern has occurred as a result of the HZMB construction activities.

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 average encounter rates in dolphin sightings in the present three-month study period were lower 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), during the baseline monitoring period and the impact phase monitoring period.

4.3. Nevertheless, dolphin usage in NEL and NWL will be continuously monitored, to examine whether it will be affected by the on-going 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.

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

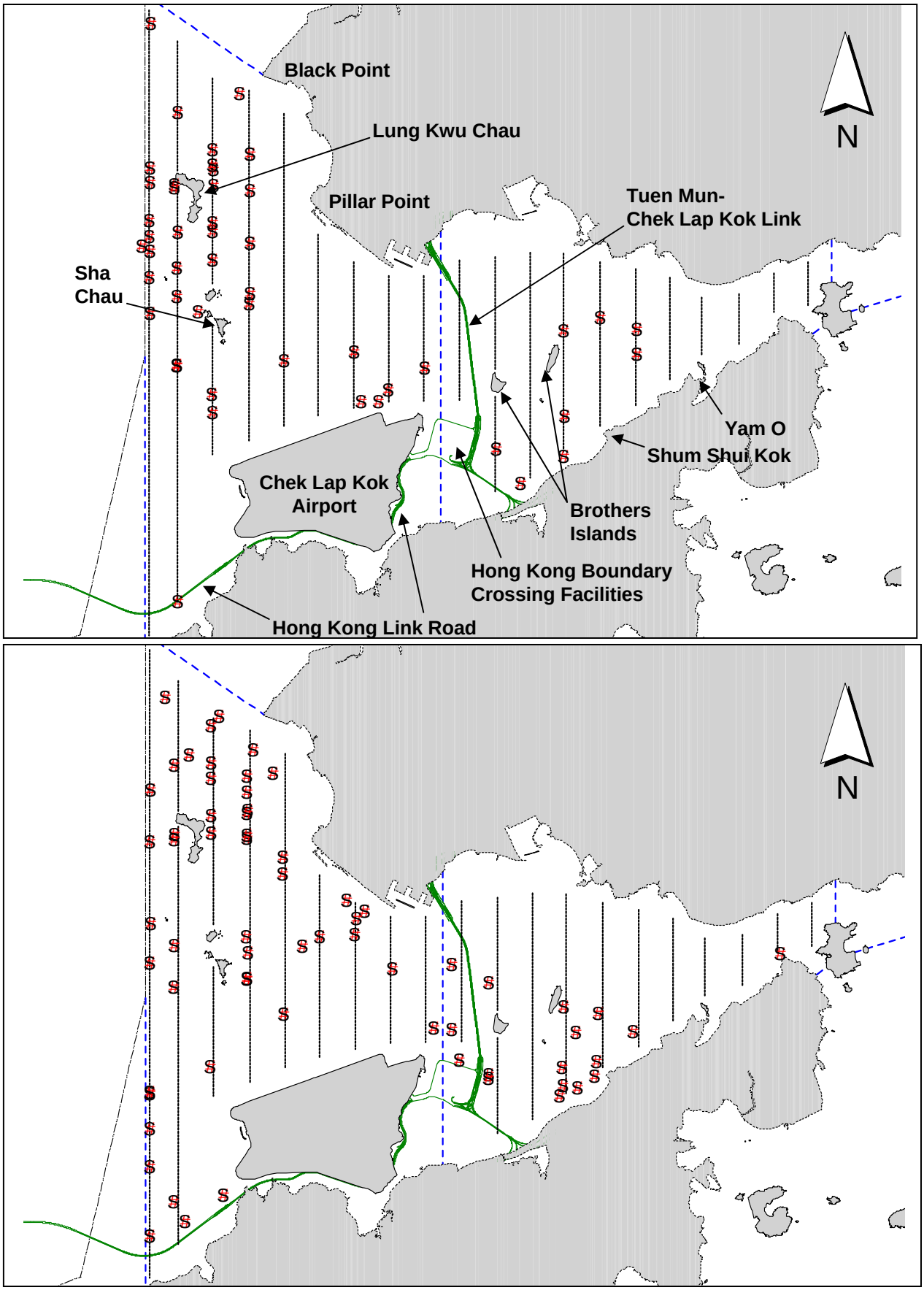


Figure 1. Distribution of Chinese white dolphin sighting in Northwest and Northeast Lantau during HKLR03 impact phase (top: December 2012 – February 2013) and baseline monitoring surveys (below: September – November 2011)

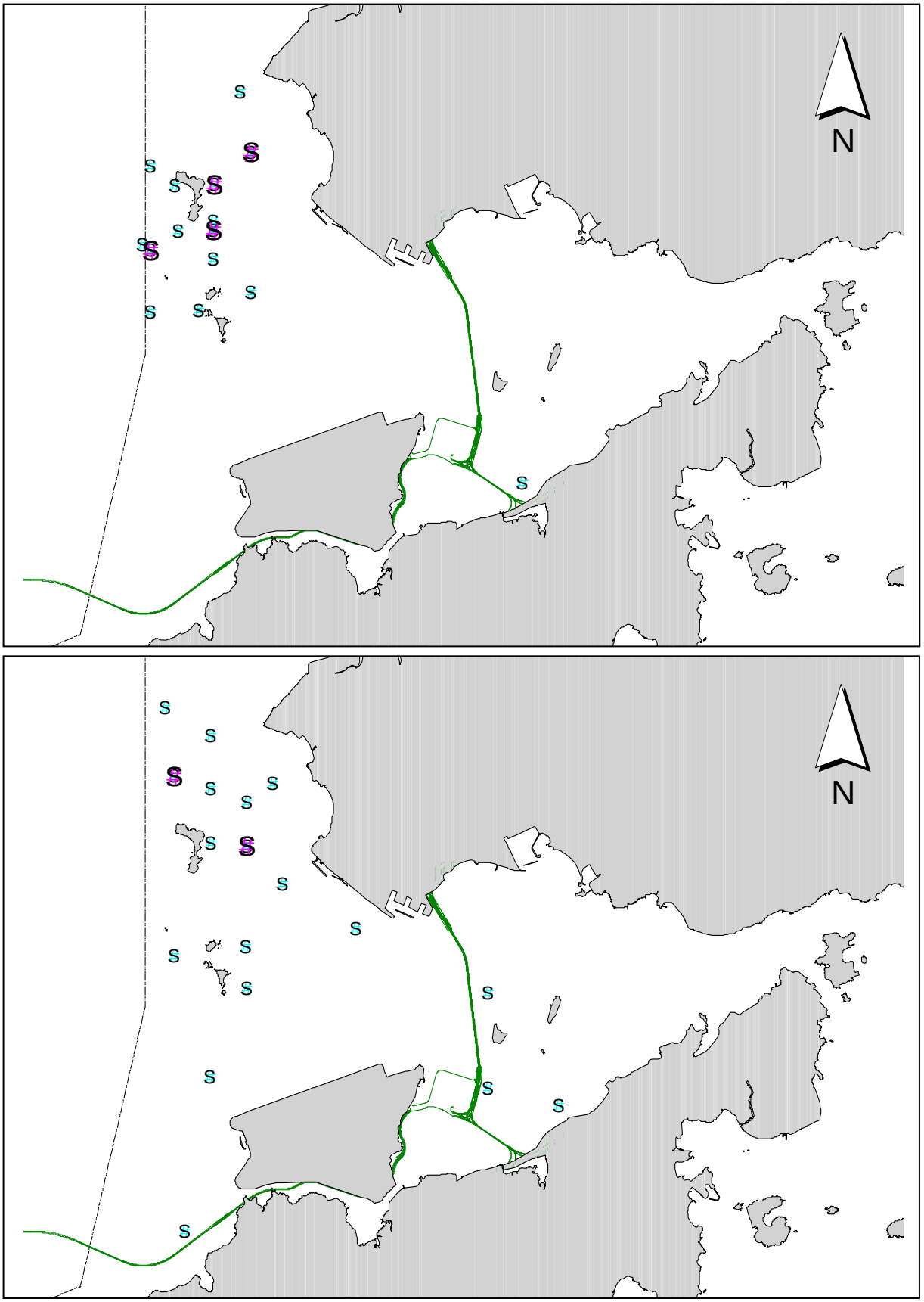


Figure 2. Distribution of Chinese white dolphins with larger group sizes during HKLR03 impact phase (top: Dec 2012 – February 2013) and baseline monitoring surveys (below: September – November 2011) (blue dots: group sizes of 5 or more; purple dots: group sizes of 10 or more)

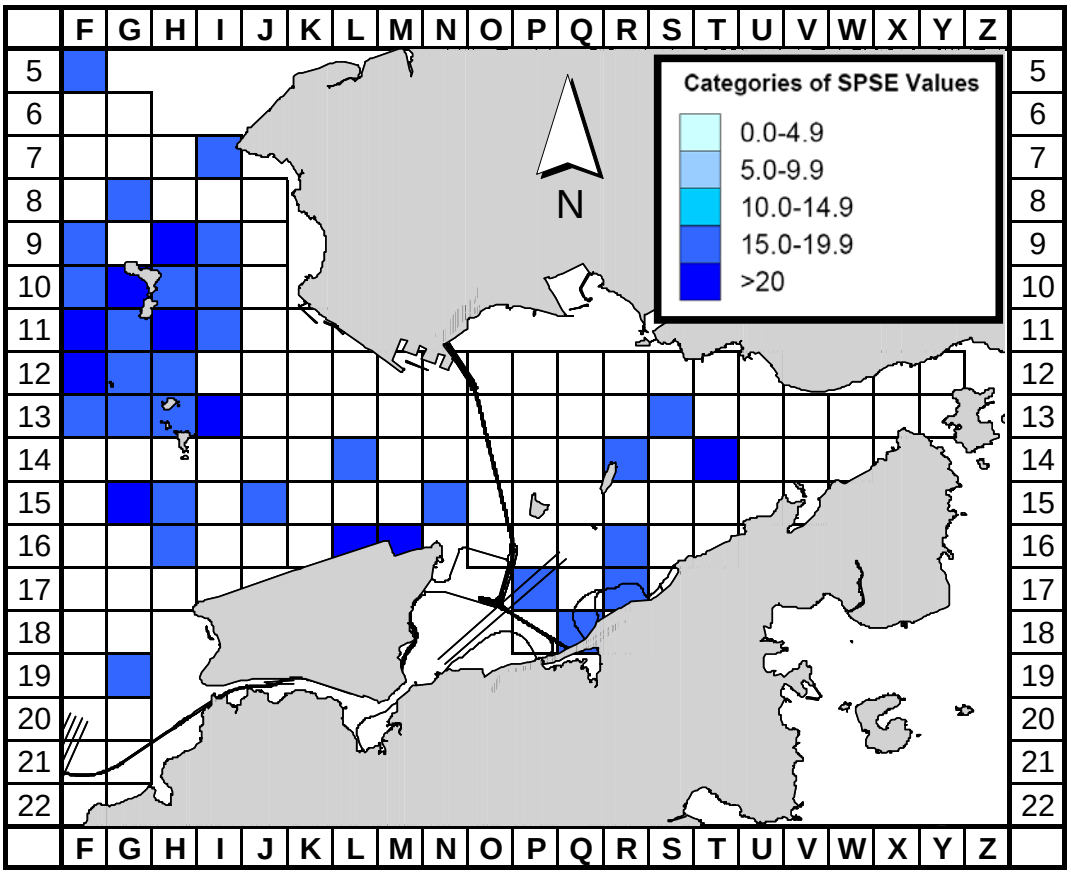


Figure 3a. Sighting density of Chinese white dolphins with corrected survey effort per km^2 in Northeast and Northwest Lantau survey areas, using data collected during HKLR03 impact monitoring period monitoring period (Dec 12-Feb 13) (SPSE = no. of on-effort sightings per 100 units of survey effort)

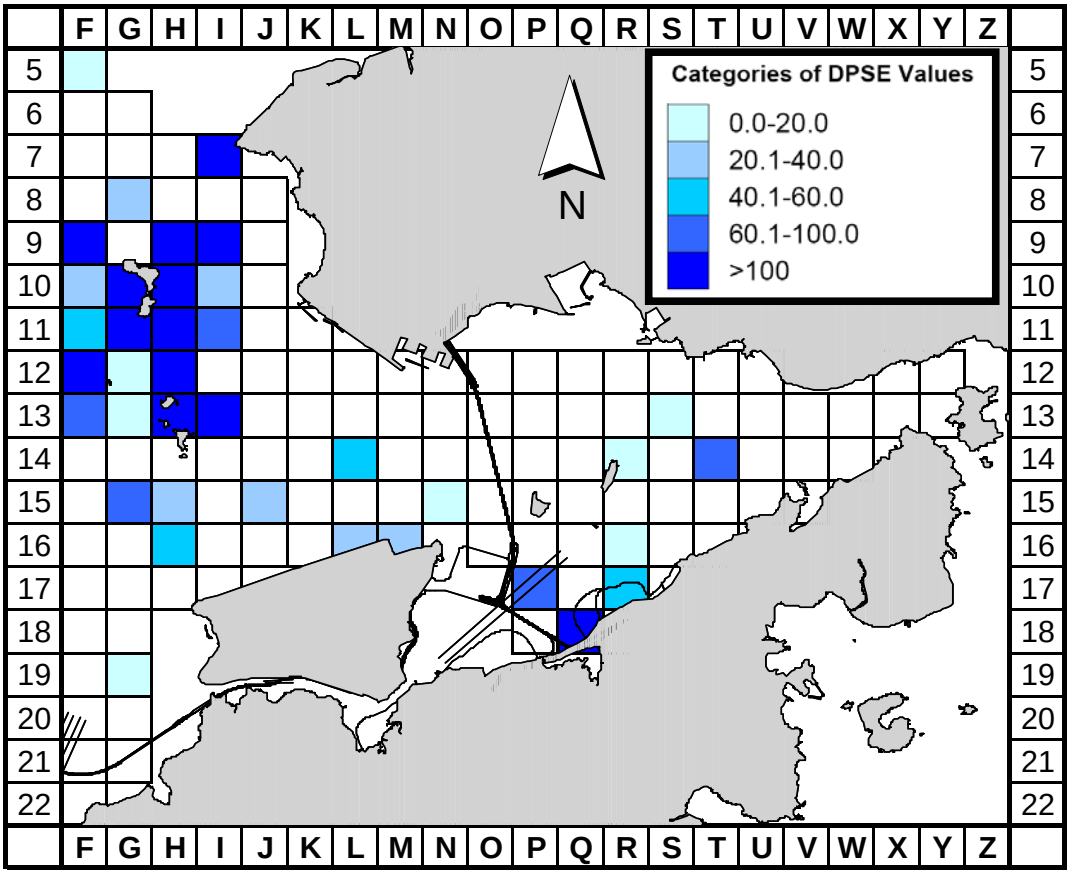


Figure 3b. Density of Chinese white dolphins with corrected survey effort per km^2 in Northeast and Northwest Lantau survey areas, using data collected during HKLR03 impact monitoring period (Dec 12-Feb 13) (DPSE = no. of dolphins per 100 units of survey effort)

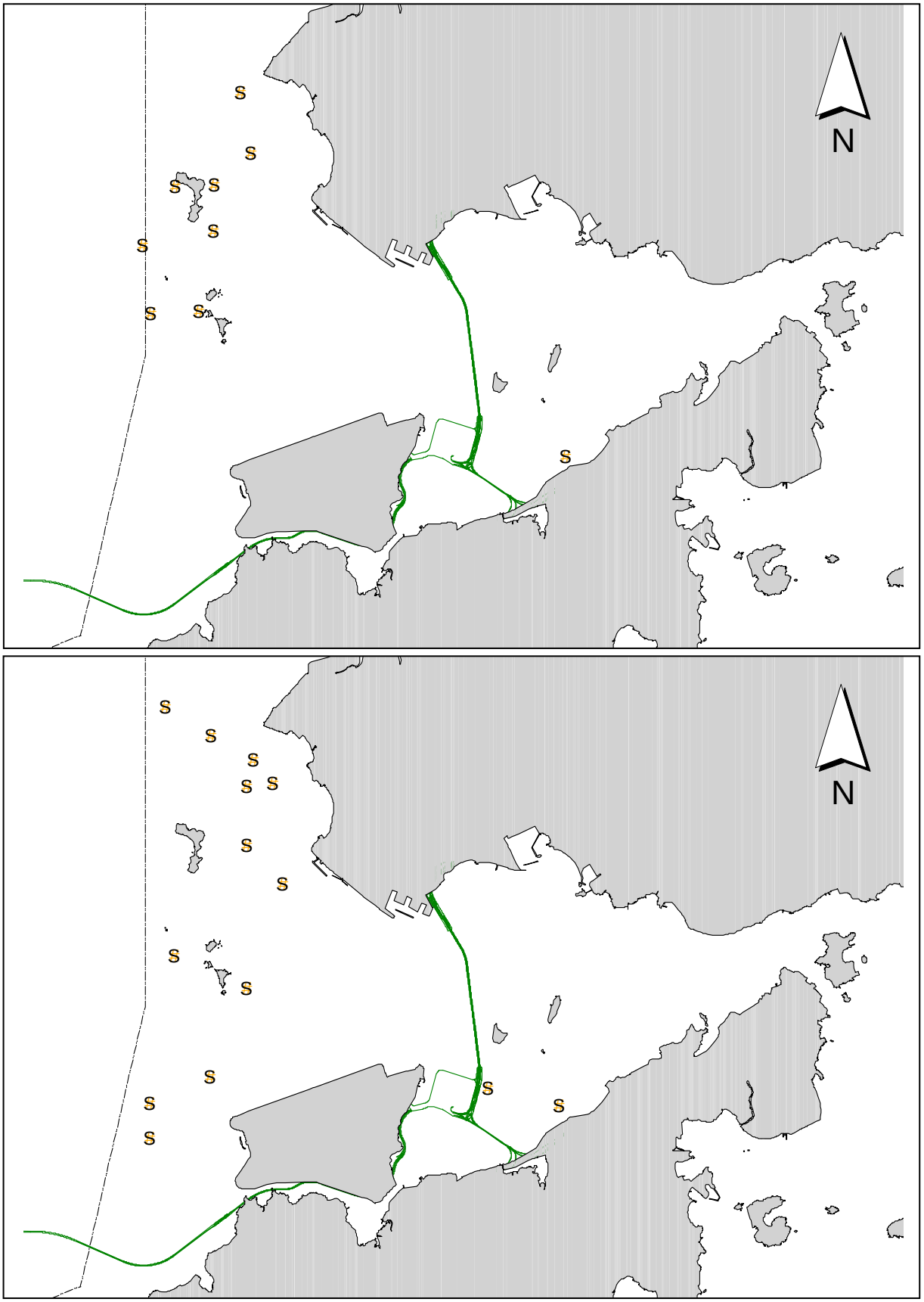


Figure 4. Distribution of young calves of Chinese white dolphins during HKLR03 impact phase (top: December 2012 – February 2013) and baseline monitoring surveys (below: September – November 2011)

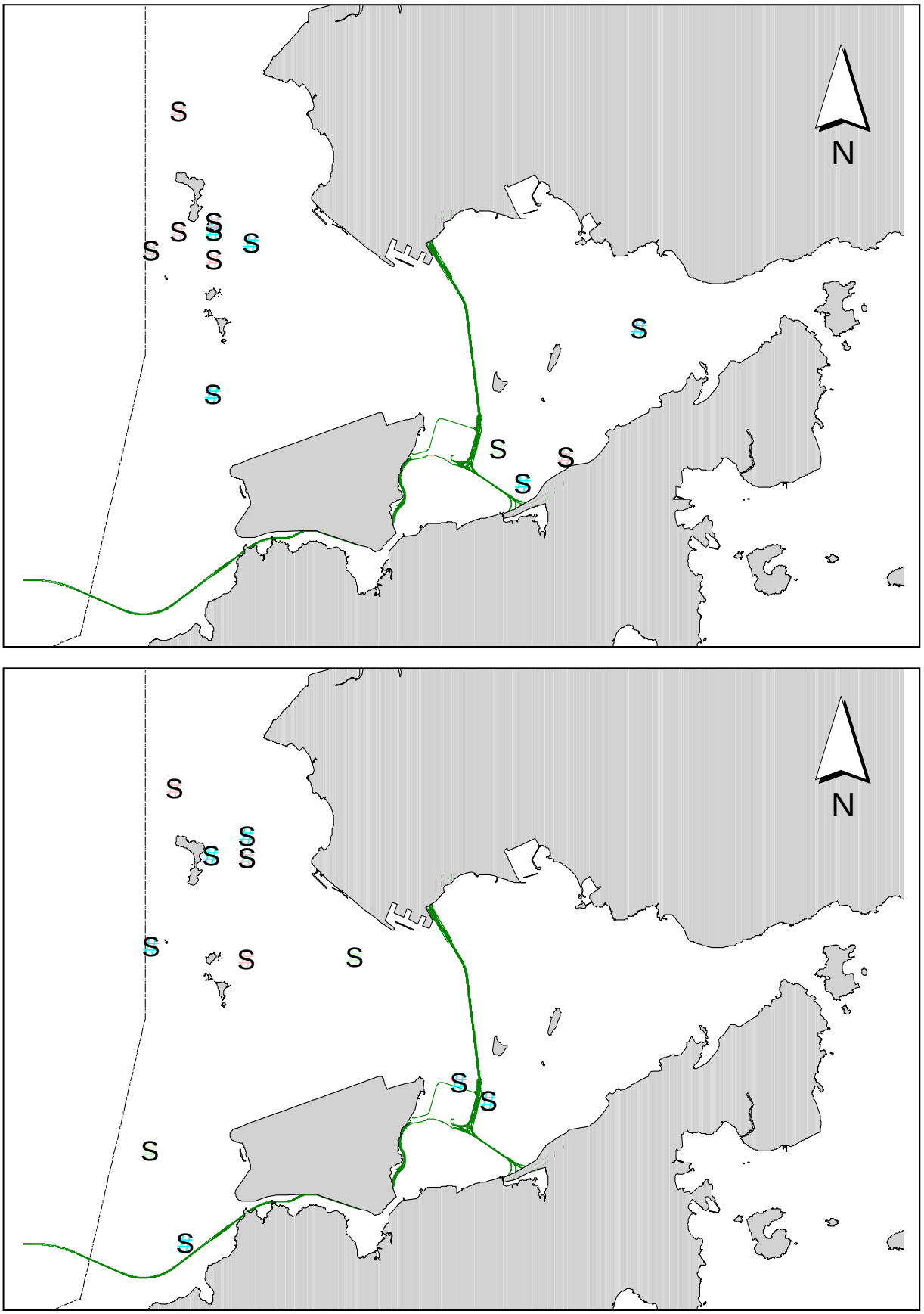


Figure 5. Distribution of Chinese white dolphins engaged in feeding (blue dots), socializing (pink dots) and traveling (green dots) activities during HKLR03 impact phase (top: December 2012 – February 2013) and baseline monitoring surveys (below: September – November 2011)

Appendix I. HKLR03 Survey Effort Database (Dec 2012-Feb 2013)

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

DATE	AREA	BEAU	EFFORT	SEASON	VESSEL	TYPE	P/S
6-Dec-12	NE LANTAU	1	1.30	WINTER	STANDARD31516	HKLR	P
6-Dec-12	NE LANTAU	2	16.20	WINTER	STANDARD31516	HKLR	P
6-Dec-12	NE LANTAU	3	2.00	WINTER	STANDARD31516	HKLR	P
6-Dec-12	NE LANTAU	2	10.80	WINTER	STANDARD31516	HKLR	S
6-Dec-12	NW LANTAU	1	1.10	WINTER	STANDARD31516	HKLR	P
6-Dec-12	NW LANTAU	2	11.00	WINTER	STANDARD31516	HKLR	P
6-Dec-12	NW LANTAU	3	18.80	WINTER	STANDARD31516	HKLR	P
6-Dec-12	NW LANTAU	2	7.20	WINTER	STANDARD31516	HKLR	S
7-Dec-12	NW LANTAU	2	23.20	WINTER	STANDARD31516	HKLR	P
7-Dec-12	NW LANTAU	3	17.30	WINTER	STANDARD31516	HKLR	P
7-Dec-12	NW LANTAU	2	13.30	WINTER	STANDARD31516	HKLR	S
7-Dec-12	NE LANTAU	1	6.10	WINTER	STANDARD31516	HKLR	P
7-Dec-12	NE LANTAU	2	11.30	WINTER	STANDARD31516	HKLR	P
7-Dec-12	NE LANTAU	1	2.20	WINTER	STANDARD31516	HKLR	S
7-Dec-12	NE LANTAU	2	7.70	WINTER	STANDARD31516	HKLR	S
11-Dec-12	NE LANTAU	1	1.00	WINTER	STANDARD31516	HKLR	P
11-Dec-12	NE LANTAU	2	12.70	WINTER	STANDARD31516	HKLR	P
11-Dec-12	NE LANTAU	3	2.20	WINTER	STANDARD31516	HKLR	P
11-Dec-12	NE LANTAU	1	1.70	WINTER	STANDARD31516	HKLR	S
11-Dec-12	NE LANTAU	2	8.10	WINTER	STANDARD31516	HKLR	S
11-Dec-12	NW LANTAU	2	18.10	WINTER	STANDARD31516	HKLR	P
11-Dec-12	NW LANTAU	3	19.80	WINTER	STANDARD31516	HKLR	P
11-Dec-12	NW LANTAU	4	3.40	WINTER	STANDARD31516	HKLR	P
11-Dec-12	NW LANTAU	2	9.20	WINTER	STANDARD31516	HKLR	S
11-Dec-12	NW LANTAU	3	0.50	WINTER	STANDARD31516	HKLR	S
11-Dec-12	NW LANTAU	4	3.50	WINTER	STANDARD31516	HKLR	S
13-Dec-12	NW LANTAU	2	0.90	WINTER	STANDARD31516	HKLR	P
13-Dec-12	NW LANTAU	3	12.20	WINTER	STANDARD31516	HKLR	P
13-Dec-12	NW LANTAU	4	18.10	WINTER	STANDARD31516	HKLR	P
13-Dec-12	NW LANTAU	4	6.80	WINTER	STANDARD31516	HKLR	S
13-Dec-12	NE LANTAU	2	3.50	WINTER	STANDARD31516	HKLR	P
13-Dec-12	NE LANTAU	3	17.00	WINTER	STANDARD31516	HKLR	P
13-Dec-12	NE LANTAU	2	4.30	WINTER	STANDARD31516	HKLR	S
13-Dec-12	NE LANTAU	3	6.40	WINTER	STANDARD31516	HKLR	S
2-Jan-13	NE LANTAU	1	2.60	WINTER	STANDARD31516	HKLR	P
2-Jan-13	NE LANTAU	2	15.02	WINTER	STANDARD31516	HKLR	P
2-Jan-13	NE LANTAU	1	0.45	WINTER	STANDARD31516	HKLR	S
2-Jan-13	NE LANTAU	2	9.33	WINTER	STANDARD31516	HKLR	S
2-Jan-13	NW LANTAU	1	1.50	WINTER	STANDARD31516	HKLR	P
2-Jan-13	NW LANTAU	2	17.57	WINTER	STANDARD31516	HKLR	P
2-Jan-13	NW LANTAU	3	21.39	WINTER	STANDARD31516	HKLR	P
2-Jan-13	NW LANTAU	1	1.96	WINTER	STANDARD31516	HKLR	S
2-Jan-13	NW LANTAU	2	3.11	WINTER	STANDARD31516	HKLR	S
2-Jan-13	NW LANTAU	3	7.90	WINTER	STANDARD31516	HKLR	S
4-Jan-13	NW LANTAU	2	16.80	WINTER	STANDARD31516	HKLR	P
4-Jan-13	NW LANTAU	3	14.60	WINTER	STANDARD31516	HKLR	P
4-Jan-13	NW LANTAU	2	4.20	WINTER	STANDARD31516	HKLR	S
4-Jan-13	NW LANTAU	3	3.50	WINTER	STANDARD31516	HKLR	S
4-Jan-13	NE LANTAU	2	15.46	WINTER	STANDARD31516	HKLR	P
4-Jan-13	NE LANTAU	3	4.70	WINTER	STANDARD31516	HKLR	P
4-Jan-13	NE LANTAU	2	6.72	WINTER	STANDARD31516	HKLR	S

Appendix 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
4-Jan-13	NE LANTAU	3	4.20	WINTER	STANDARD31516	HKLR	S
8-Jan-13	NE LANTAU	1	4.02	WINTER	STANDARD31516	HKLR	P
8-Jan-13	NE LANTAU	2	12.06	WINTER	STANDARD31516	HKLR	P
8-Jan-13	NE LANTAU	1	1.94	WINTER	STANDARD31516	HKLR	S
8-Jan-13	NE LANTAU	2	5.98	WINTER	STANDARD31516	HKLR	S
8-Jan-13	NW LANTAU	2	5.31	WINTER	STANDARD31516	HKLR	P
8-Jan-13	NW LANTAU	3	27.89	WINTER	STANDARD31516	HKLR	P
8-Jan-13	NW LANTAU	4	7.80	WINTER	STANDARD31516	HKLR	P
8-Jan-13	NW LANTAU	3	7.32	WINTER	STANDARD31516	HKLR	S
8-Jan-13	NW LANTAU	4	5.58	WINTER	STANDARD31516	HKLR	S
10-Jan-13	NW LANTAU	2	19.29	WINTER	STANDARD31516	HKLR	P
10-Jan-13	NW LANTAU	3	12.40	WINTER	STANDARD31516	HKLR	P
10-Jan-13	NW LANTAU	2	5.81	WINTER	STANDARD31516	HKLR	S
10-Jan-13	NW LANTAU	3	1.60	WINTER	STANDARD31516	HKLR	S
10-Jan-13	NE LANTAU	1	8.71	WINTER	STANDARD31516	HKLR	P
10-Jan-13	NE LANTAU	2	11.62	WINTER	STANDARD31516	HKLR	P
10-Jan-13	NE LANTAU	1	4.40	WINTER	STANDARD31516	HKLR	S
10-Jan-13	NE LANTAU	2	6.27	WINTER	STANDARD31516	HKLR	S
1-Feb-13	NW LANTAU	1	6.20	WINTER	STANDARD31516	HKLR	P
1-Feb-13	NW LANTAU	2	29.70	WINTER	STANDARD31516	HKLR	P
1-Feb-13	NW LANTAU	3	3.70	WINTER	STANDARD31516	HKLR	P
1-Feb-13	NW LANTAU	2	12.80	WINTER	STANDARD31516	HKLR	S
1-Feb-13	NE LANTAU	1	9.10	WINTER	STANDARD31516	HKLR	P
1-Feb-13	NE LANTAU	2	9.50	WINTER	STANDARD31516	HKLR	P
1-Feb-13	NE LANTAU	1	3.40	WINTER	STANDARD31516	HKLR	S
1-Feb-13	NE LANTAU	2	5.40	WINTER	STANDARD31516	HKLR	S
6-Feb-13	NE LANTAU	1	10.90	WINTER	STANDARD31516	HKLR	P
6-Feb-13	NE LANTAU	2	9.90	WINTER	STANDARD31516	HKLR	P
6-Feb-13	NE LANTAU	1	5.50	WINTER	STANDARD31516	HKLR	S
6-Feb-13	NE LANTAU	2	5.10	WINTER	STANDARD31516	HKLR	S
6-Feb-13	NW LANTAU	1	3.30	WINTER	STANDARD31516	HKLR	P
6-Feb-13	NW LANTAU	2	17.90	WINTER	STANDARD31516	HKLR	P
6-Feb-13	NW LANTAU	3	10.10	WINTER	STANDARD31516	HKLR	P
6-Feb-13	NW LANTAU	1	1.80	WINTER	STANDARD31516	HKLR	S
6-Feb-13	NW LANTAU	2	4.30	WINTER	STANDARD31516	HKLR	S
18-Feb-13	NE LANTAU	1	11.59	WINTER	STANDARD31516	HKLR	P
18-Feb-13	NE LANTAU	2	4.74	WINTER	STANDARD31516	HKLR	P
18-Feb-13	NE LANTAU	3	1.70	WINTER	STANDARD31516	HKLR	P
18-Feb-13	NE LANTAU	1	8.67	WINTER	STANDARD31516	HKLR	S
18-Feb-13	NE LANTAU	2	1.10	WINTER	STANDARD31516	HKLR	S
18-Feb-13	NW LANTAU	1	1.30	WINTER	STANDARD31516	HKLR	P
18-Feb-13	NW LANTAU	2	40.13	WINTER	STANDARD31516	HKLR	P
18-Feb-13	NW LANTAU	1	2.50	WINTER	STANDARD31516	HKLR	S
18-Feb-13	NW LANTAU	2	10.45	WINTER	STANDARD31516	HKLR	S
20-Feb-13	NW LANTAU	2	23.95	WINTER	STANDARD31516	HKLR	P
20-Feb-13	NW LANTAU	3	10.12	WINTER	STANDARD31516	HKLR	P
20-Feb-13	NW LANTAU	2	6.74	WINTER	STANDARD31516	HKLR	S
20-Feb-13	NE LANTAU	1	3.91	WINTER	STANDARD31516	HKLR	P
20-Feb-13	NE LANTAU	2	16.82	WINTER	STANDARD31516	HKLR	P
20-Feb-13	NE LANTAU	1	1.87	WINTER	STANDARD31516	HKLR	S
20-Feb-13	NE LANTAU	2	8.50	WINTER	STANDARD31516	HKLR	S

Appendix II. HKLR03 Chinese White Dolphin Sighting Database (December 2012 - February 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-Dec-12	1	1052	1	NE LANTAU	2	141	ON	HKLR	823122	817544	WINTER	NONE	P
6-Dec-12	2	1220	1	NW LANTAU	2	ND	OFF	HKLR	821171	811473	WINTER	NONE	
6-Dec-12	3	1339	3	NW LANTAU	3	58	ON	HKLR	823492	807511	WINTER	NONE	P
6-Dec-12	4	1400	4	NW LANTAU	3	32	ON	HKLR	825109	807524	WINTER	NONE	P
6-Dec-12	5	1513	1	NW LANTAU	2	154	ON	HKLR	826697	805364	WINTER	NONE	S
6-Dec-12	6	1525	6	NW LANTAU	2	196	ON	HKLR	825423	805465	WINTER	NONE	P
7-Dec-12	1	1158	2	NW LANTAU	2	112	ON	HKLR	821047	806435	WINTER	SHRIMP	P
7-Dec-12	2	1555	3	NE LANTAU	2	116	ON	HKLR	822811	818573	WINTER	NONE	P
11-Dec-12	1	1237	1	NW LANTAU	2	173	ON	HKLR	820862	810720	WINTER	NONE	S
11-Dec-12	2	1452	12	NW LANTAU	3	257	ON	HKLR	826661	806477	WINTER	NONE	P
11-Dec-12	3	1614	1	NW LANTAU	3	300	ON	HKLR	825746	804662	WINTER	NONE	P
13-Dec-12	1	1006	1	NW LANTAU	2	110	ON	HKLR	815479	805465	WINTER	NONE	P
13-Dec-12	2	1042	1	NW LANTAU	3	203	ON	HKLR	821835	805447	WINTER	NONE	P
13-Dec-12	3	1054	1	NW LANTAU	3	141	ON	HKLR	823707	805451	WINTER	NONE	P
13-Dec-12	4	1111	5	NW LANTAU	3	74	ON	HKLR	826630	805364	WINTER	NONE	P
13-Dec-12	5	1158	10	NW LANTAU	3	90	ON	HKLR	827534	807529	WINTER	NONE	P
2-Jan-13	1	1046	1	NE LANTAU	2	389	ON	HKLR	822769	816492	WINTER	NONE	P
2-Jan-13	2	1409	17	NW LANTAU	3	81	ON	HKLR	825432	806464	WINTER	NONE	P
2-Jan-13	3	1453	1	NW LANTAU	3	721	ON	HKLR	827104	806478	WINTER	NONE	P
2-Jan-13	4	1540	2	NW LANTAU	3	315	ON	HKLR	826754	804675	WINTER	NONE	P
2-Jan-13	5	1553	11	NW LANTAU	3	453	ON	HKLR	824915	804681	WINTER	NONE	P
8-Jan-13	1	1114	1	NE LANTAU	1	321	ON	HKLR	820466	816510	WINTER	NONE	P
8-Jan-13	2	1127	3	NE LANTAU	1	268	ON	HKLR	819392	816478	WINTER	NONE	P
8-Jan-13	3	1143	7	NE LANTAU	1	278	ON	HKLR	818652	815251	WINTER	NONE	S
8-Jan-13	4	1208	4	NE LANTAU	1	23	ON	HKLR	819594	814561	WINTER	NONE	P
8-Jan-13	5	1300	1	NW LANTAU	2	518	ON	HKLR	821767	812514	WINTER	NONE	P
8-Jan-13	6	1559	7	NW LANTAU	3	55	ON	HKLR	827163	804675	WINTER	NONE	P
10-Jan-13	1	1135	9	NW LANTAU	3	368	ON	HKLR	829163	807223	WINTER	NONE	S
1-Feb-13	1	1049	3	NW LANTAU	2	148	ON	HKLR	824207	804659	WINTER	NONE	P
1-Feb-13	2	1057	6	NW LANTAU	2	ND	OFF	HKLR	825038	804455	WINTER	NONE	
1-Feb-13	3	1159	4	NW LANTAU	2	368	ON	HKLR	827647	806458	WINTER	NONE	P
1-Feb-13	4	1222	4	NW LANTAU	2	273	ON	HKLR	827215	806457	WINTER	NONE	P

Appendix 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
1-Feb-13	5	1241	7	NW LANTAU	2	626	ON	HKLR	825676	806464	WINTER	NONE	P
1-Feb-13	6	1258	9	NW LANTAU	2	318	ON	HKLR	824679	806473	WINTER	NONE	P
1-Feb-13	7	1322	6	NW LANTAU	2	95	ON	HKLR	823274	806048	WINTER	NONE	S
1-Feb-13	8	1337	3	NW LANTAU	1	502	ON	HKLR	820560	806465	WINTER	NONE	P
1-Feb-13	9	1401	2	NW LANTAU	2	603	ON	HKLR	821962	808507	WINTER	NONE	P
1-Feb-13	10	1503	3	NW LANTAU	2	153	ON	HKLR	822180	810506	WINTER	NONE	P
1-Feb-13	11	1700	1	NE LANTAU	1	98	ON	HKLR	822147	818573	WINTER	NONE	P
6-Feb-13	1	1334	5	NW LANTAU	2	21	ON	HKLR	823769	807522	WINTER	NONE	P
6-Feb-13	2	1353	2	NW LANTAU	2	467	ON	HKLR	826527	807537	WINTER	NONE	P
6-Feb-13	3	1508	3	NW LANTAU	3	32	ON	HKLR	821813	805437	WINTER	NONE	P
18-Feb-13	1	1213	1	NW LANTAU	2	53	ON	HKLR	820861	811194	WINTER	NONE	S
18-Feb-13	2	1445	1	NW LANTAU	2	14	ON	HKLR	831028	804694	WINTER	NONE	P
18-Feb-13	3	1514	2	NW LANTAU	2	63	ON	HKLR	825296	804661	WINTER	NONE	P
18-Feb-13	4	1525	5	NW LANTAU	2	133	ON	HKLR	823243	804667	WINTER	NONE	P
20-Feb-13	1	1052	1	NW LANTAU	3	193	ON	HKLR	824471	805453	WINTER	NONE	P
20-Feb-13	2	1122	2	NW LANTAU	2	182	ON	HKLR	828646	805461	WINTER	NONE	P

Appendix III. Individual dolphins identified during HKLR03 monitoring surveys in December 2012 - February 2013

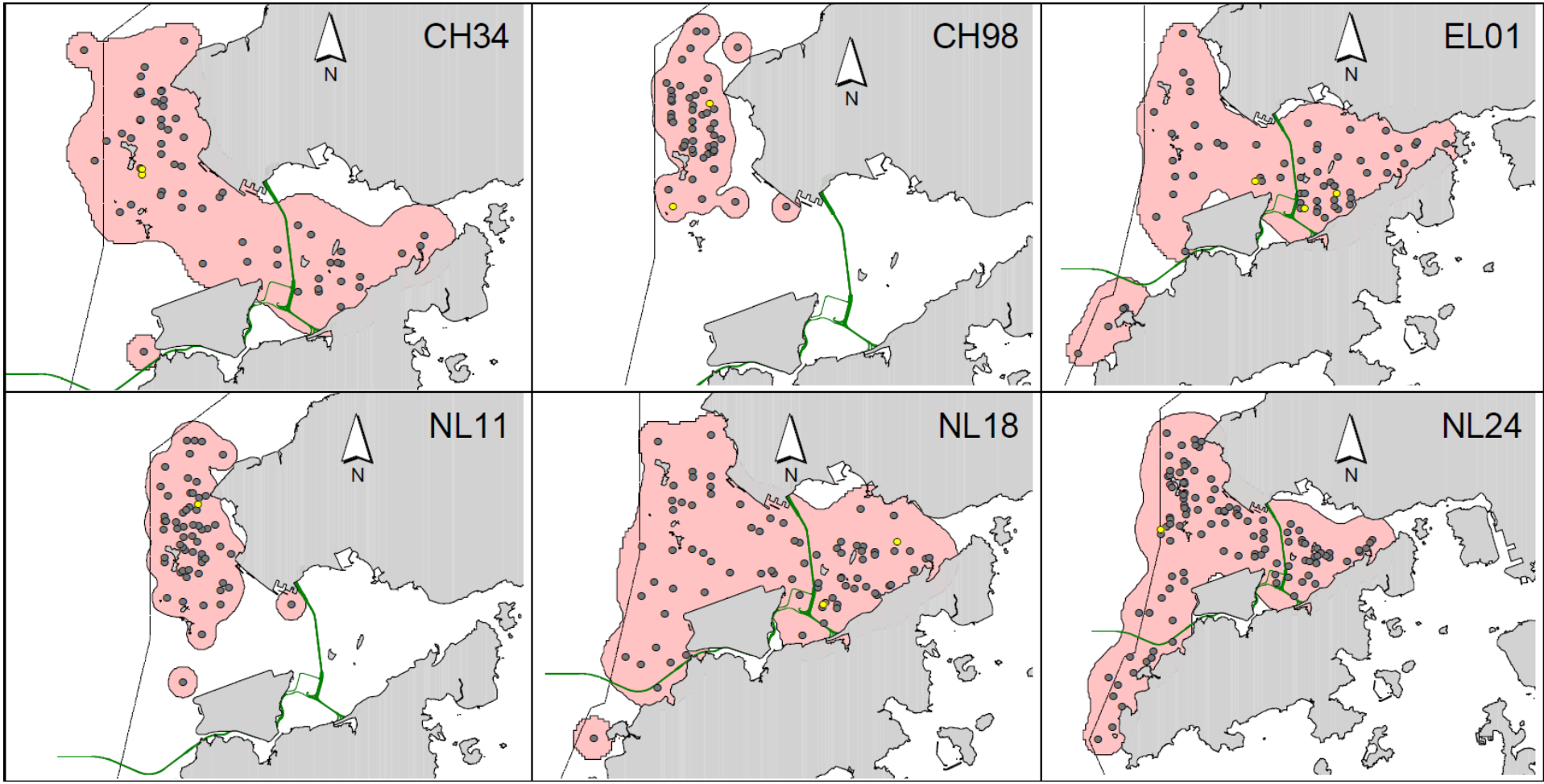
ID#	DATE	STG#	AREA
CH34	2013-01-02	2	NW LANTAU
	2013-02-01	5	NW LANTAU
CH98	2013-01-10	1	NW LANTAU
	2013-02-20	1	NW LANTAU
EL01	2012-12-06	2	NW LANTAU
	2013-01-08	1	NE LANTAU
	2013-01-08	4	NE LANTAU
NL11	2013-01-10	1	NW LANTAU
NL18	2012-12-07	2	NE LANTAU
	2013-01-08	4	NE LANTAU
NL24	2013-02-18	4	NW LANTAU
NL33	2013-01-08	2	NE LANTAU
NL46	2012-12-13	5	NW LANTAU
NL48	2012-12-13	5	NW LANTAU
NL49	2012-12-13	5	NW LANTAU
NL93	2012-12-06	3	NW LANTAU
	2012-12-11	2	NW LANTAU
	2013-01-02	5	NW LANTAU
NL103	2012-12-06	6	NW LANTAU
NL104	2012-12-11	2	NW LANTAU
	2013-01-02	2	NW LANTAU
	2013-02-18	4	NW LANTAU
NL112	2013-02-18	2	NW LANTAU
NL118	2012-12-07	1	NW LANTAU
	2013-02-01	4	NW LANTAU
NL120	2012-12-06	4	NW LANTAU
	2013-01-08	3	NE LANTAU
NL123	2012-12-07	2	NE LANTAU
	2013-01-08	3	NE LANTAU
	2013-02-06	1	NW LANTAU
NL136	2012-12-06	4	NW LANTAU
	2013-01-08	4	NE LANTAU
	2013-02-06	3	NW LANTAU
NL139	2012-12-06	4	NW LANTAU
	2013-01-08	3	NE LANTAU
	2013-02-06	3	NW LANTAU
NL150	2012-12-13	5	NW LANTAU
	2013-01-02	2	NW LANTAU
NL156	2013-01-08	6	NW LANTAU
	2013-02-18	4	NW LANTAU
NL165	2012-12-11	2	NW LANTAU
	2013-02-01	5	NW LANTAU
	2013-02-06	3	NW LANTAU

ID#	DATE	STG#	AREA
NL179	2013-01-08	3	NE LANTAU
	2013-02-01	5	NW LANTAU
NL182	2012-12-13	5	NW LANTAU
	2013-01-08	4	NE LANTAU
	2013-02-06	1	NW LANTAU
NL188	2012-12-13	4	NW LANTAU
NL191	2013-02-20	2	NW LANTAU
NL202	2013-02-18	3	NW LANTAU
NL210	2013-02-20	2	NW LANTAU
NL212	2013-02-01	1	NW LANTAU
NL220	2012-12-06	3	NW LANTAU
	2013-02-18	4	NW LANTAU
NL224	2013-01-02	2	NW LANTAU
NL226	2013-02-18	4	NW LANTAU
NL233	2013-01-02	2	NW LANTAU
NL246	2012-12-11	2	NW LANTAU
	2013-02-01	5	NW LANTAU
NL259	2013-01-02	2	NW LANTAU
	2013-01-02	5	NW LANTAU
	2013-02-18	4	NW LANTAU
NL260	2012-12-13	4	NW LANTAU
	2013-01-02	2	NW LANTAU
	2013-01-02	5	NW LANTAU
	2013-02-01	6	NW LANTAU
NL262	2012-12-06	6	NW LANTAU
	2012-12-13	5	NW LANTAU
NL264	2012-12-11	2	NW LANTAU
	2013-01-02	2	NW LANTAU
	2013-01-02	5	NW LANTAU
NL272	2012-12-06	6	NW LANTAU
	2013-01-02	2	NW LANTAU
NL278	2013-02-01	6	NW LANTAU
	2013-02-01	7	NW LANTAU
NL280	2013-01-02	2	NW LANTAU
NL284	2013-02-06	1	NW LANTAU
NL285	2012-12-07	2	NE LANTAU
	2013-01-08	3	NE LANTAU
	2013-02-06	1	NW LANTAU
NL286	2013-02-01	3	NW LANTAU
	2013-02-18	3	NW LANTAU
NL287	2012-12-06	6	NW LANTAU
NL288	2012-12-11	2	NW LANTAU
	2013-01-02	2	NW LANTAU
	2013-01-02	5	NW LANTAU

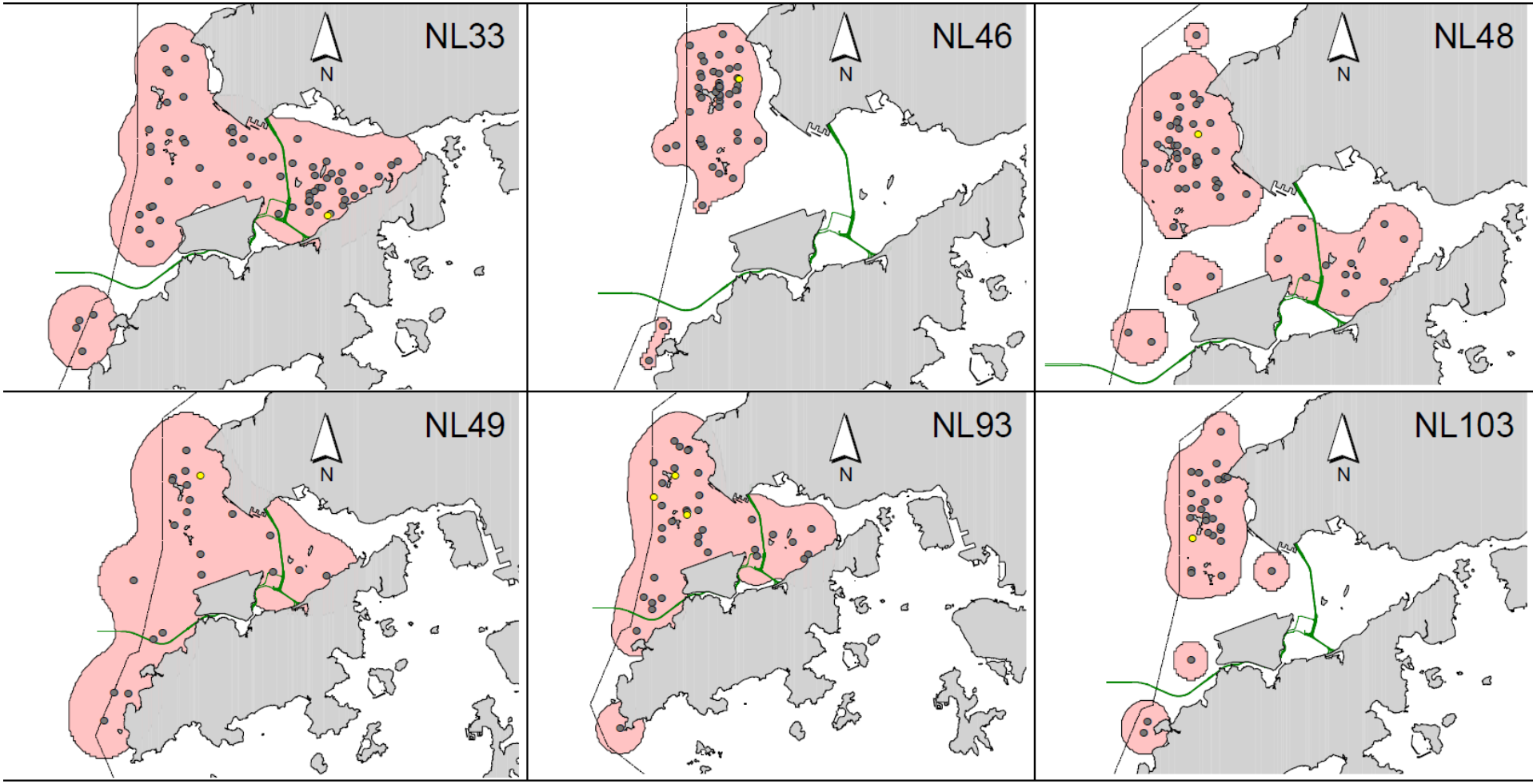
Appendix III. (cont'd)

ID#	DATE	STG#	AREA
NL291	2012-12-07	1	NW LANTAU
	2013-01-10	1	NW LANTAU
NL295	2013-01-02	2	NW LANTAU
	2013-01-02	5	NW LANTAU
NL296	2013-01-02	4	NW LANTAU
	2013-01-02	5	NW LANTAU
	2013-02-01	6	NW LANTAU
SL42	2013-01-08	6	NW LANTAU
SL43	2013-01-08	6	NW LANTAU
WL28	2013-02-01	2	NW LANTAU
WL46	2013-01-02	2	NW LANTAU
	2013-02-01	2	NW LANTAU
WL61	2012-12-13	1	NW LANTAU
WL179	2013-02-01	1	NW LANTAU
WL188	2013-01-02	2	NW LANTAU
WL198	2013-01-08	6	NW LANTAU

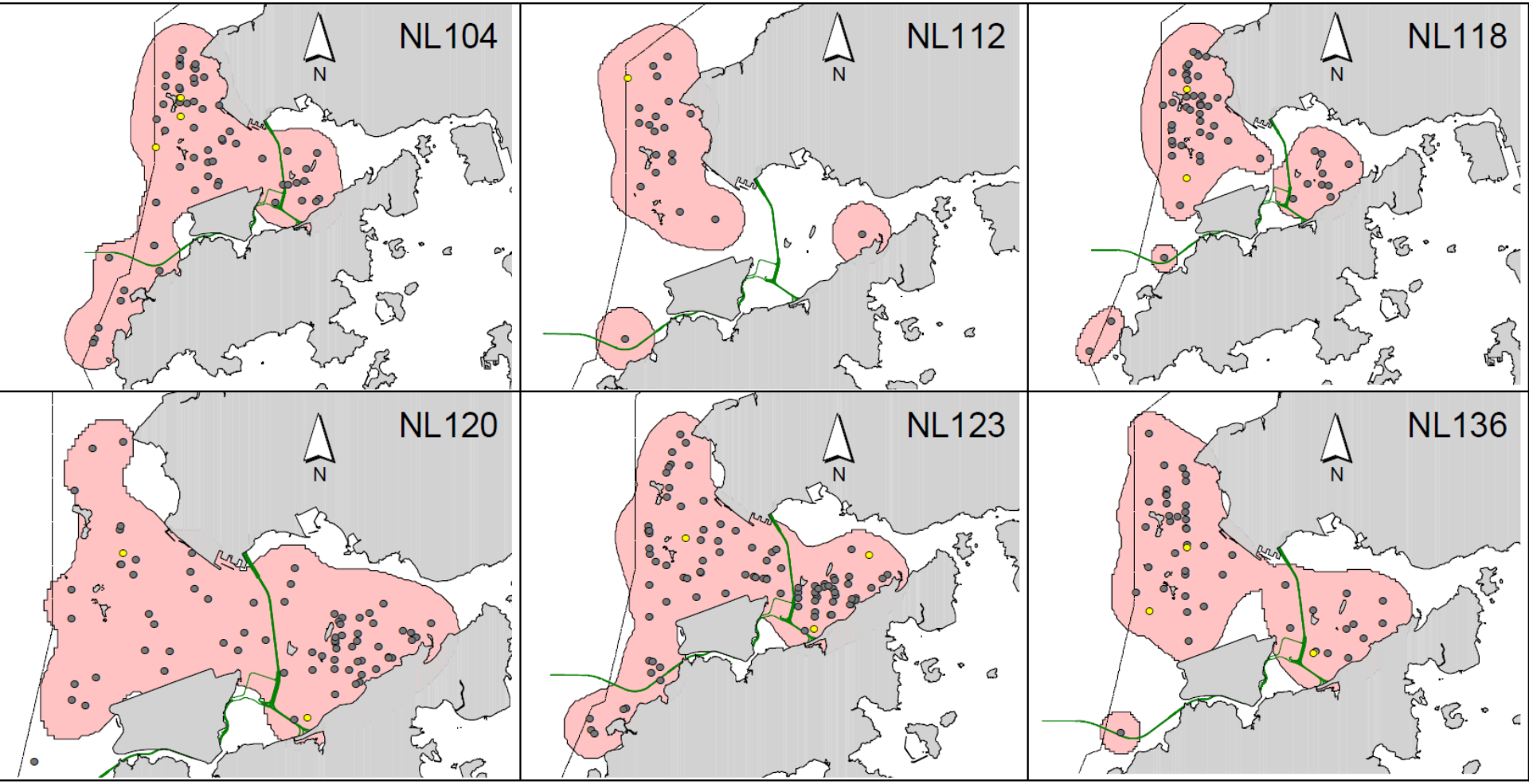
Appendix IV. Ranging patterns (95% kernel ranges) of 57 individual dolphins that were sighted during HKLR03 impact phase monitoring period (note: yellow dots indicates sightings made in December 2012 – February 2013)



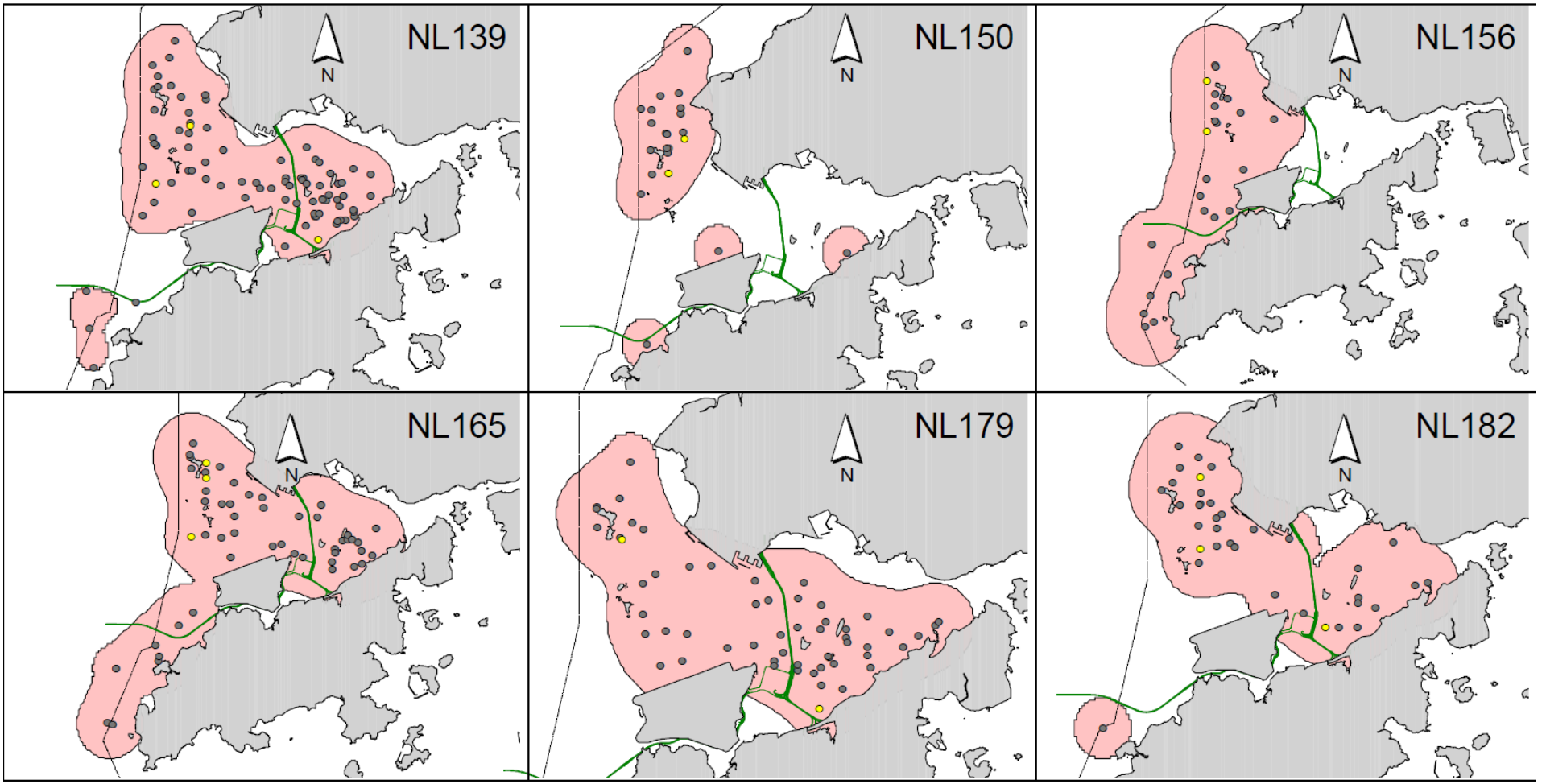
Appendix IV. (cont'd)



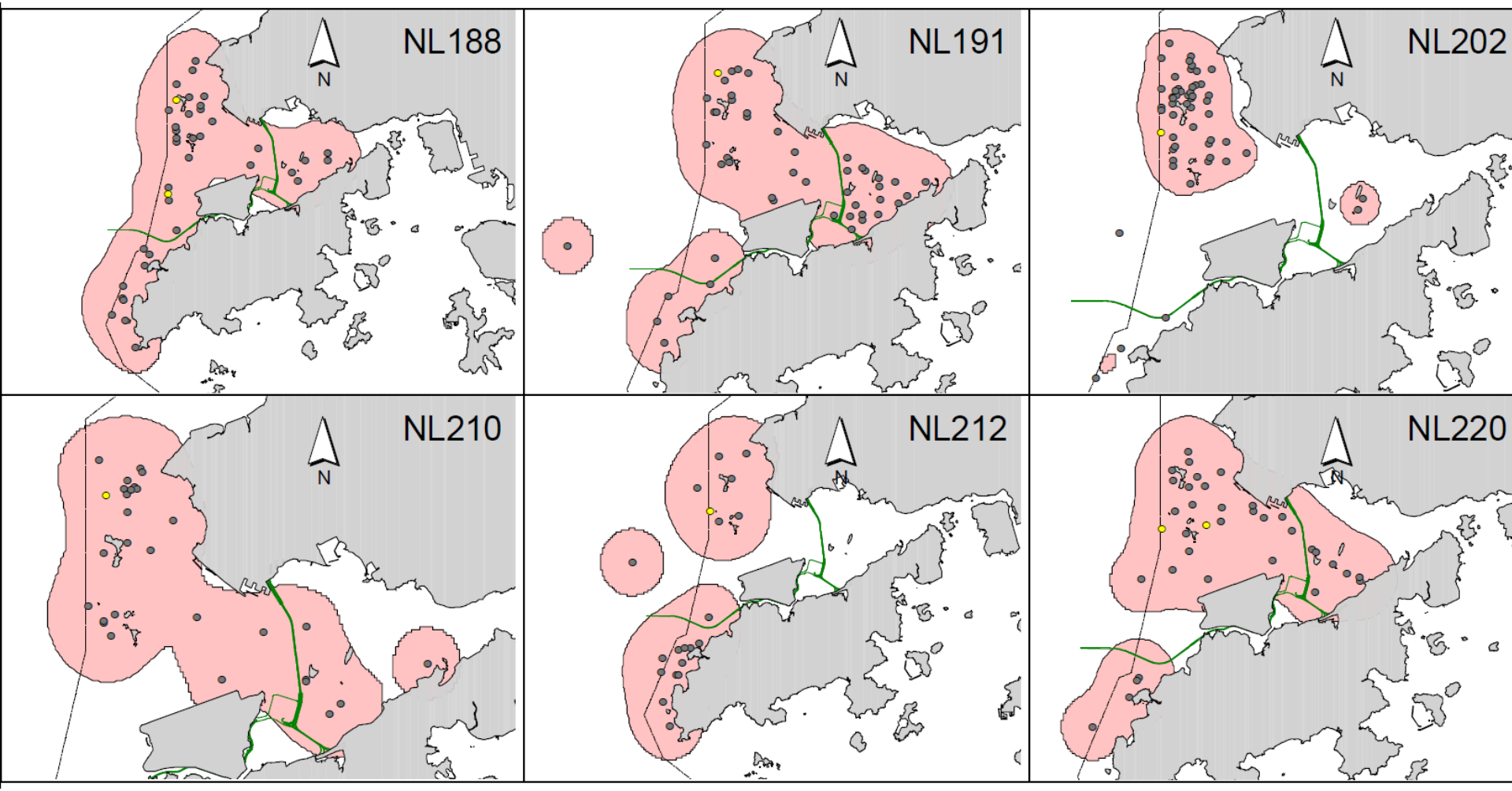
Appendix IV. (cont'd)



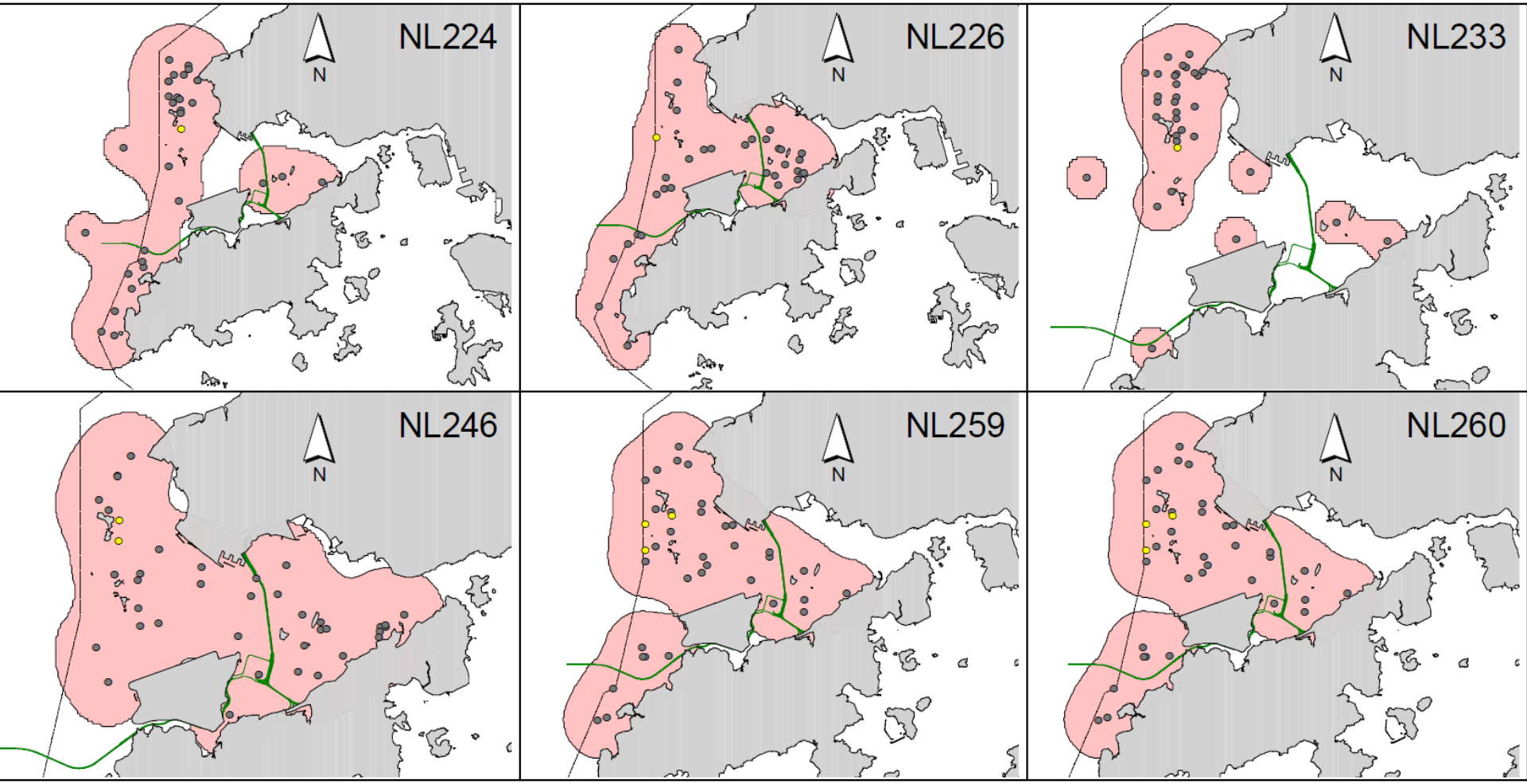
Appendix IV. (cont'd)



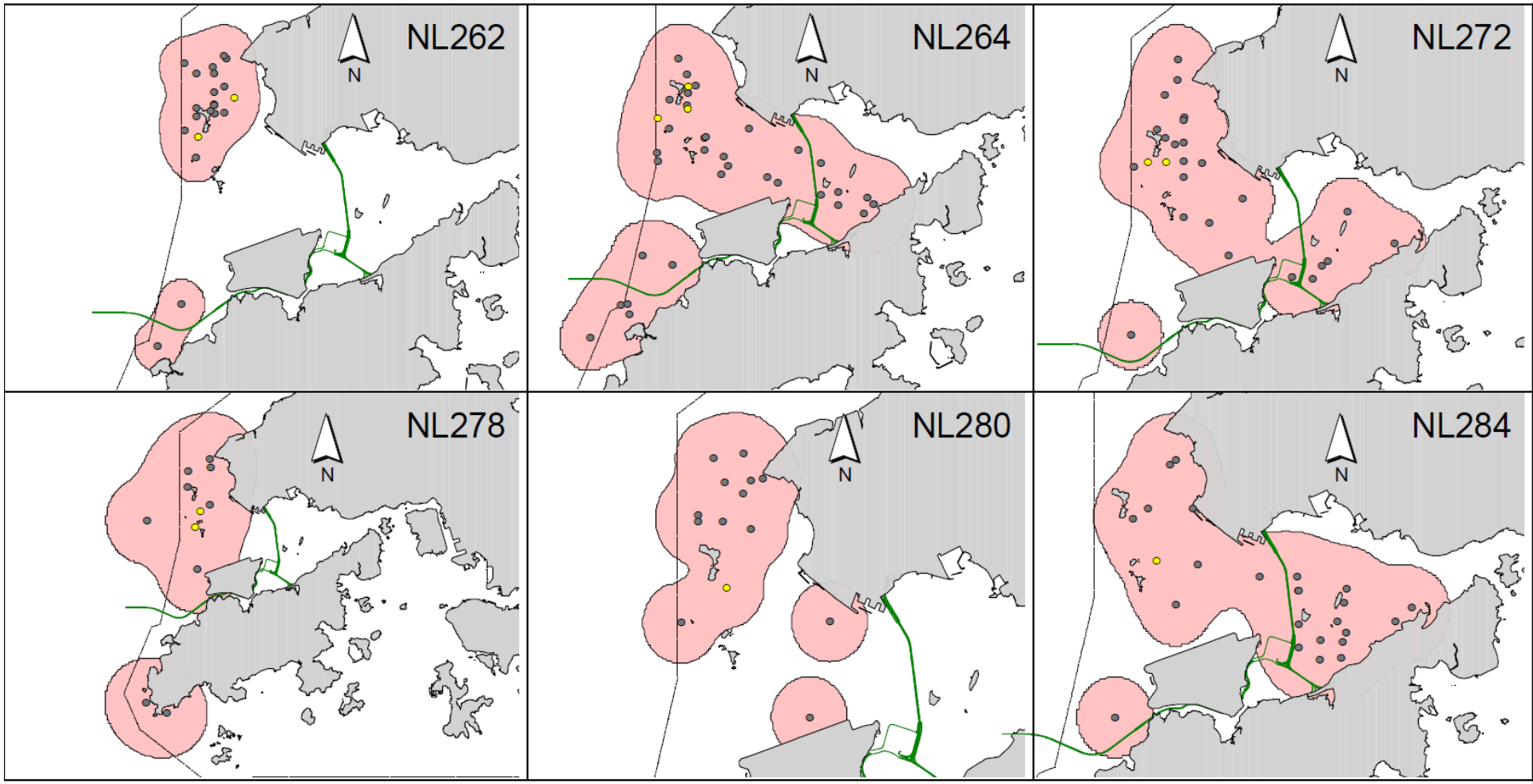
Appendix IV. (cont'd)



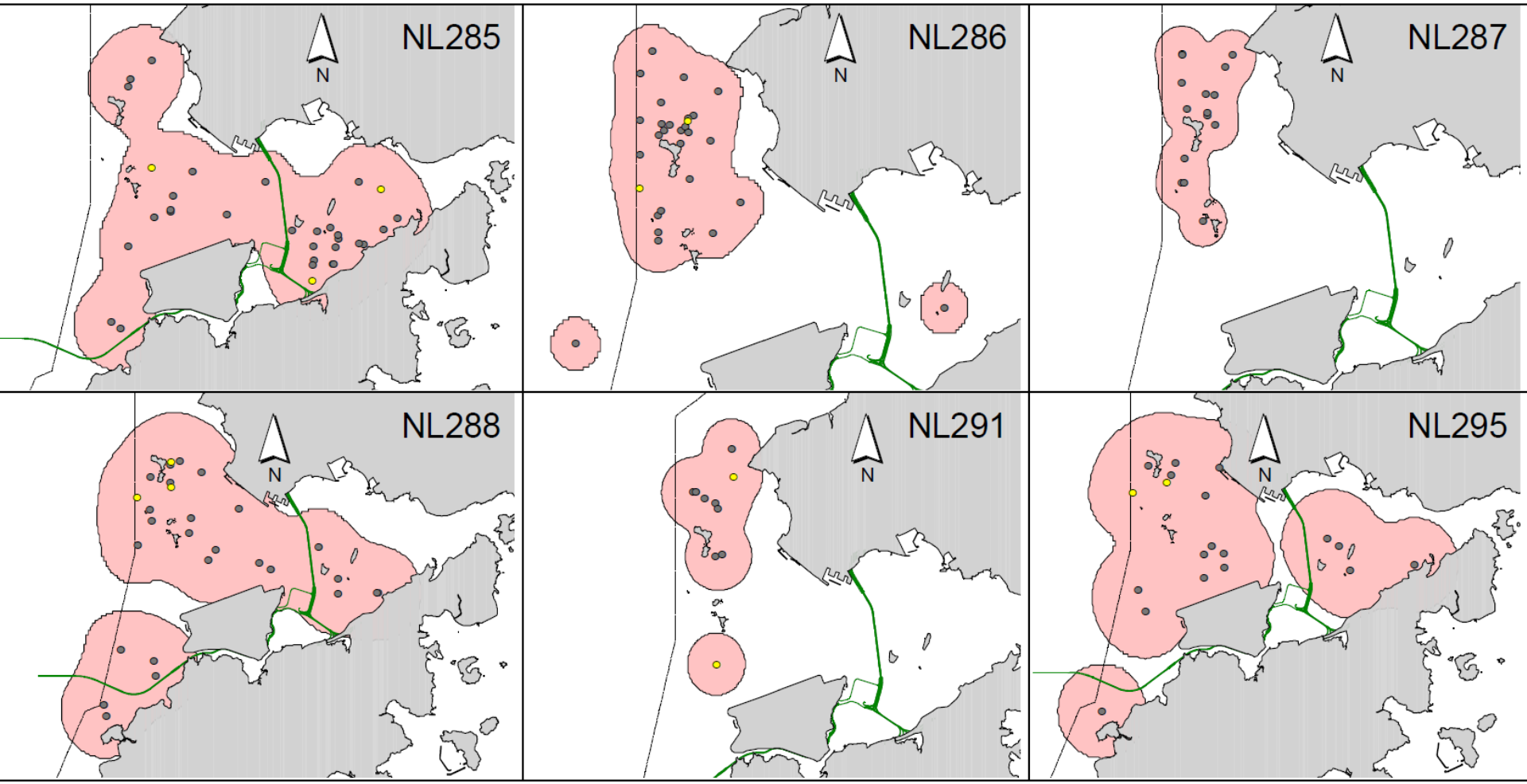
Appendix IV. (cont'd)



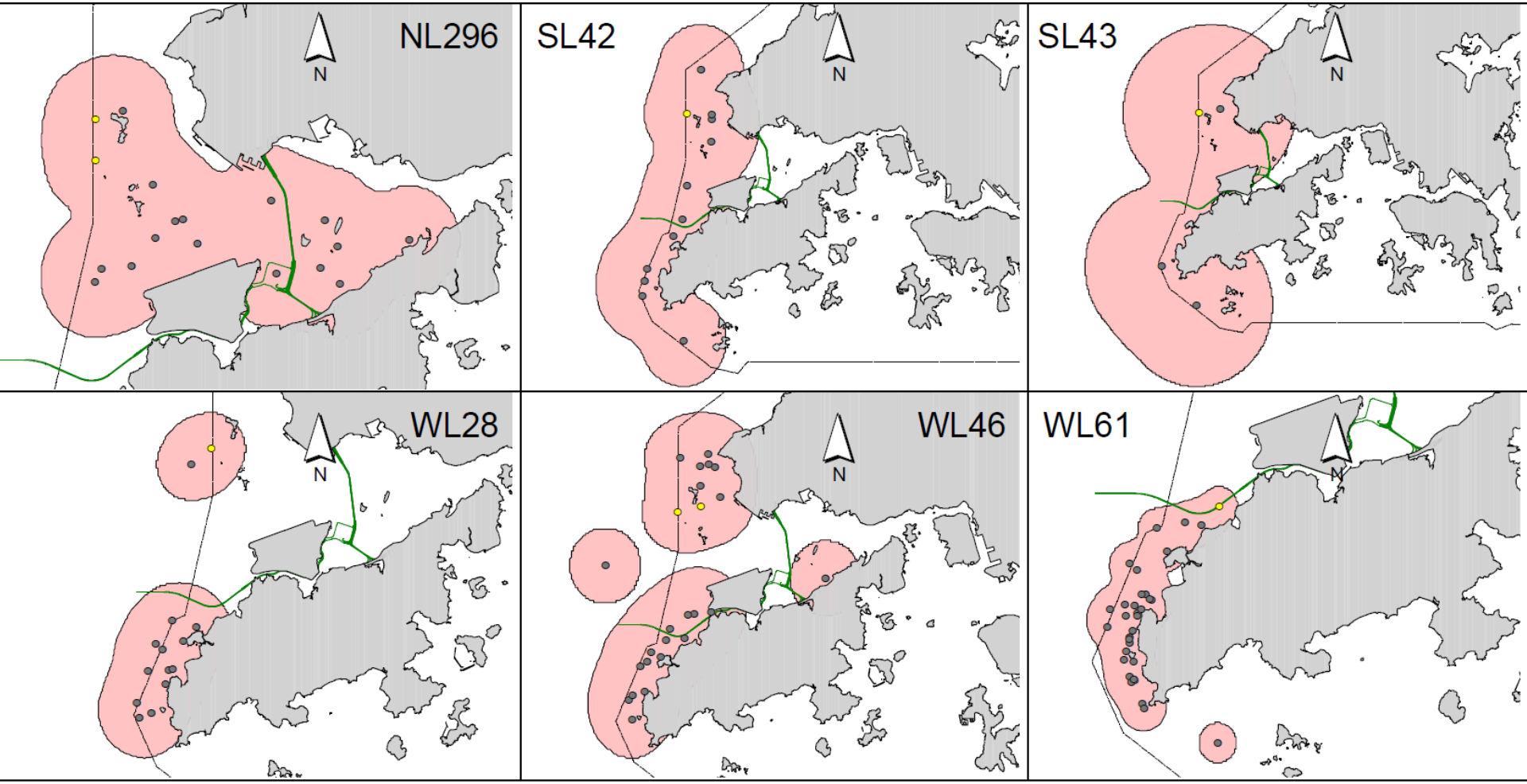
Appendix IV. (cont'd)



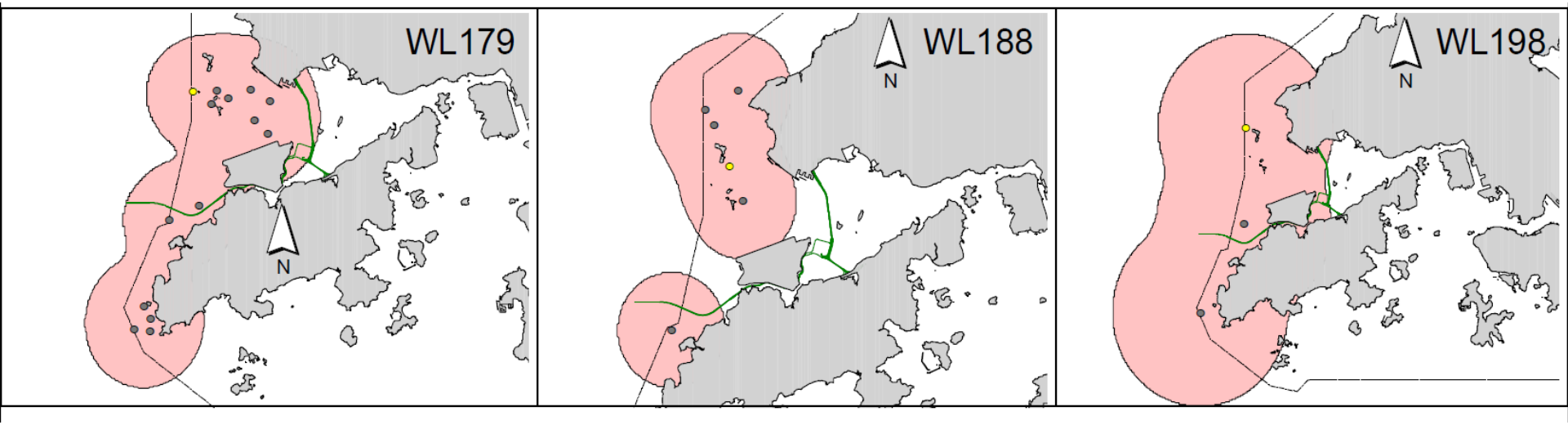
Appendix IV. (cont'd)



Appendix IV. (cont'd)



Appendix IV. (cont'd)



Appendix V. Photographs of 57 individual dolphins that were sighted during HKLR03 impact phase monitoring period (December 2012 – February 2013)

Appendix V. (cont'd)

Appendix V. (cont'd)

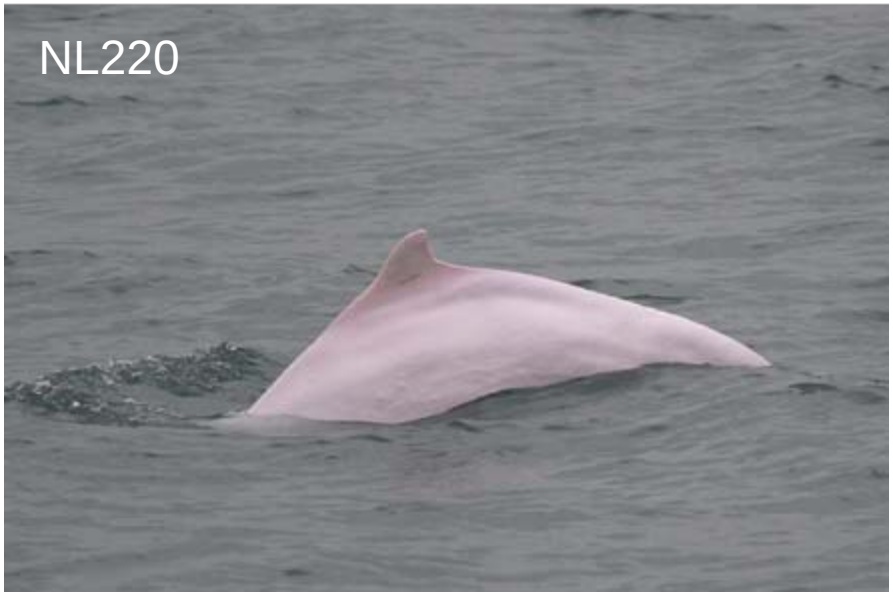
Appendix V. (cont'd)

Appendix V. (cont'd)

Appendix V. (cont'd)

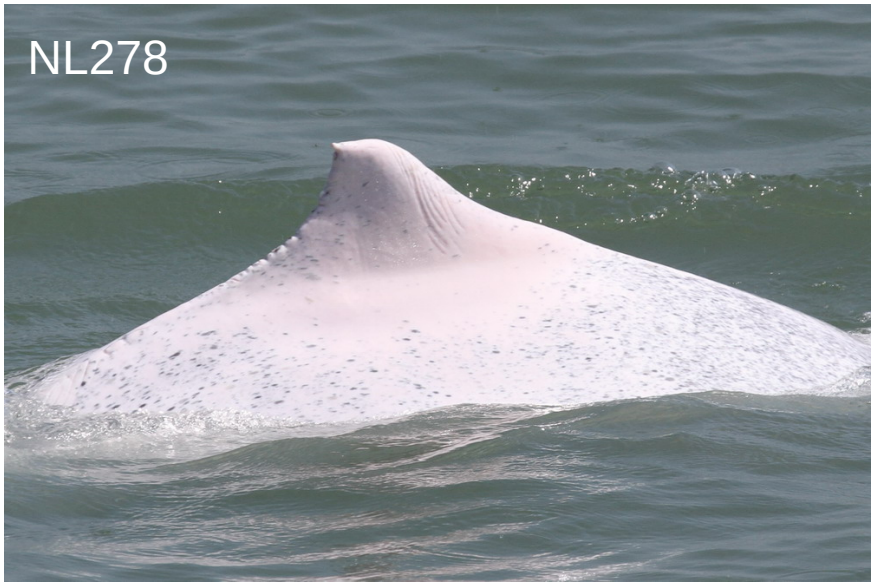
Appendix V. (cont'd)

Appendix V. (cont'd)



Appendix V. (cont'd)

Appendix V. (cont'd)

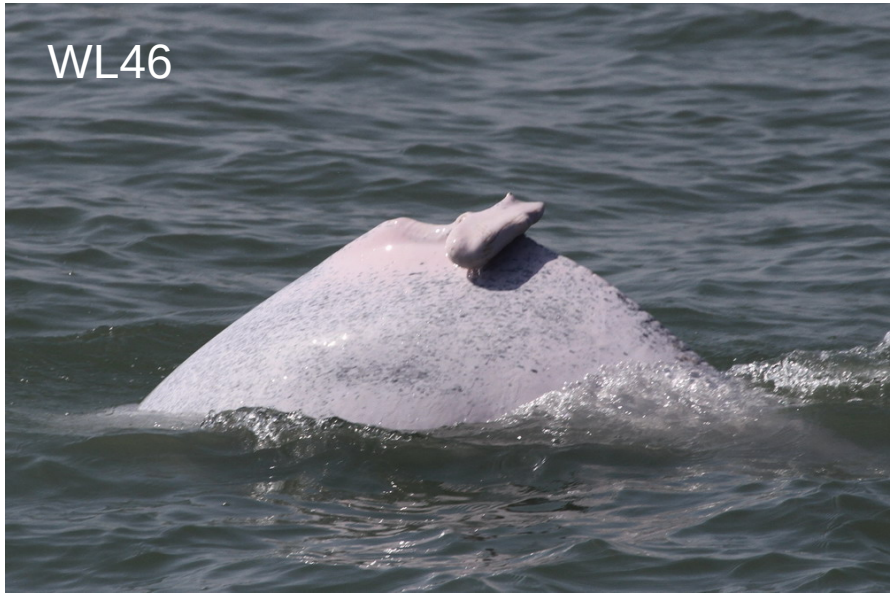


Appendix V. (cont'd)

Appendix V. (cont'd)

Appendix V. (cont'd)

Appendix V. (cont'd)



Appendix 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 2012

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	Reused in Other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper / Cardboard Packaging	Plastics (see Note 3)	Chemical Waste	Others, e.g. general refuse
	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m^3)
Jan	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Feb	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mar	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Apr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
May	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
July	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007
August	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019
September	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015
October	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004
November	0.387	0.000	0.387	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.085
December	11.680	0.000	11.680	0.000	0.000	0.245	0.000	0.000	0.000	0.000	0.030
Total	12.067	0.000	12.067	0.000	0.000	0.245	0.000	0.000	0.000	0.000	0.158

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 '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m^3)
Jan	8.472	0.000	8.472	0.000	0.000	11.120	0.000	0.000	0.000	0.000	0.293
Feb	8.648	0.000	8.648	0.000	0.000	8.501	0.000	0.000	0.000	0.000	0.091
Mar	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Apr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
May	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	17.120	0.000	17.120	0.000	0.000	19.621	0.000	0.000	0.000	0.000	0.384
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	17.120	0.000	17.120	0.000	0.000	19.621	0.000	0.000	0.000	0.000	0.384

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
08.10.2012	VEP Issued	16.10.2012	EP-353/2009/E	Highways Department	N/A

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

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

Billing Account for Disposal of Construction Waste

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

Chemical Waste Producer Registration

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

Wastewater Discharge License

Item No.	Date Application Submitted	Area Applied	Status	Expiry Date
1	22.06.2012	Site Office for Supervising Officer (WA6)	Application Ref. No. 346651 Letter from the EPD (Ref: EP/RS/0000346267) dated 19.07.2012 confirming that license under WPCO is not required.	N/A
2	04.07.2012	Site Office for China States (WA6)	Application Ref. No. 346982 Water Discharge License WT00014182-2012 was granted on 20 Sep 2012	Valid until 30 Sept 2017

3.	31.07.2012	Portion B, Portion X & Portion Y	Application Ref. No. 348019 Water Discharge License WT00014118-2012 was granted on 20 Sep 2012	Valid until 30 Sep 2017.
4.	15.01.2013	WA 3	Application Ref No. 348030 Applied for Water Discharge License and pending for approval	N/A
5.	15.01.2013	WA 4	Application Ref No. 348031 Applied for Water Discharge License and pending for approval	N/A
6	28.02.2013		Application Ref No. 356240	

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	**20.12.2012**	**Portion X**	**Marine Works (1900 to 2300)**	**CNP issued on 10.01.2013 (Valid)**	**GW-RS0019-13**	**10.01.2013 19:00**	**03.07.2013 23:00**
3	**20.12.2012**	**Portion X**	**Marine Works (2300 to 0700)**	**CNP issued on 10.01.2013 (Valid)**	**GW-RS0020-13**	**10.01.2013 23:00**	**03.07.2013 07:00**
4	**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**
5	**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**
6.	**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**
7.	**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**
8.	**09.01.2013**	**WA 4**	**Loading of Fill Materials**	**Rejected on 23.01.2013**	**N/A**	**N/A**	**N/A**

Item No.	Date Application Submitted	Works Area Applied	Description	Status	CNP No.	Validity of CNP	
						From	To
9.	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
10	28.01.2013	WA 03	Street lighting and water pumping	CNP issued on 08.02.2013 (Valid)	GW-RS2128-13	14.02.2013 19:00	13.08.2013 23:00
11	05.02.2013	Kwo Lo Wan	TTA Works	CNP issued on 19.02.2013 (Valid)	GW-RS0184-13	20.02.2013 23:00	31.03.2013 05:00

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.: 036a

Date of Notification: 4 January 2013

Works Inspected: Data collected from water sampling works on 1 December 2012 and the results were issued on 3 December 2012

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: 9.35 x 120% =**11.2** for mid ebb on 1-Dec-2012 AND CS(Mf)5: 20.10 x 120% =**24.1** for mid flood on 1-Dec-2012)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 9.35 x 130% =**12.2** for mid ebb on 1-Dec-2012 AND CS(Mf)5: 20.10 x 130% =**26.1** for mid flood on 1-Dec-2012)	***12.0***	12.2
TURB	IS(Mf)6	DA			***26.1***	***34.6***
TURB	IS7	DA			***11.2***	***25.8***
TURB	IS(Mf)9	DA			***11.5***	14.0
TURB	IS10	DA			***11.9***	20.2
TURB	SR3	DA			***14.3***	12.5

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 1 December 2012, exceedances of AL at stations IS5, IS7, IS(Mf)9 and IS10 and exceedances of LL at stations IS(Mf)6 and SR3 were recorded during mid-ebb tide. An exceedance of AL at station IS7 and an exceedance of LL 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 reason:

1. No major marine works were carried out near the monitoring stations. Vessel maintenance works were being carried out during the sampling period.
2. The ranges of turbidity at stations IS5, IS(Mf)6, IS7, IS(Mf)9, IS10 and SR3 during the baseline monitoring are 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	20.0	5.0	to	19.4
IS(Mf)9	2.7	to	17.0	3.4	to	22.6
SR3	4.6	to	65.7	7.7	to	19.7
IS10	6.7	to	14.7	8.4	to	20.8

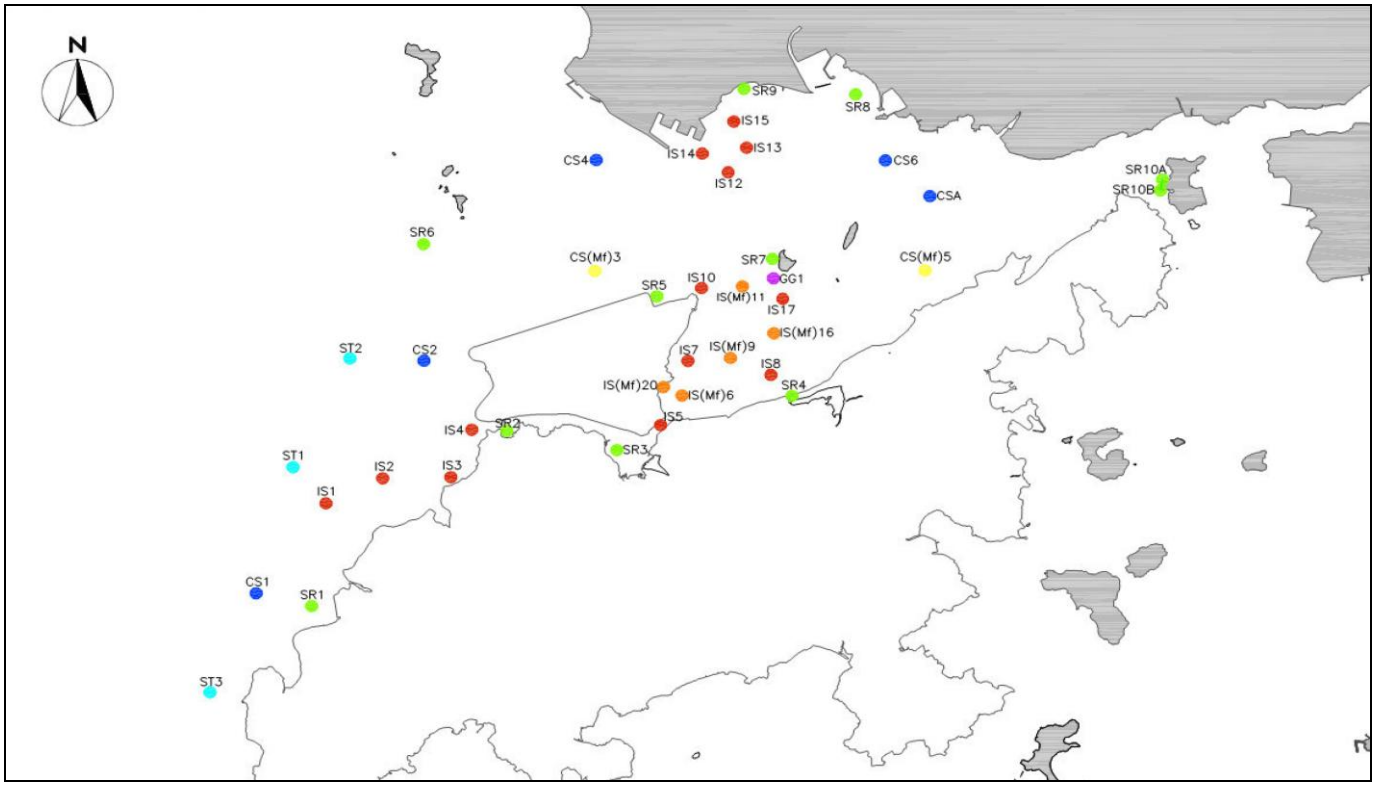
   The measured values at stations IS5, IS7, IS(Mf)9, IS10 and SR3 were within the ranges of turbidity for mid ebb tide during baseline monitoring and the measured values at stations IS5, IS(Mf)9, IS10 and SR3 were within the ranges of turbidity for mid flood tide during baseline monitoring.
3. IS(Mf)6 is located near the public marine traffic channel. The high suspended solid level was likely caused by public marine traffic activities.
4. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

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 : 4 January 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.: 037a

Date of Notification: 4 January 2013

Works Inspected: Data collected from water sampling works on 1 December 2012 and the test report was issued on 7 December 2012

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. CS(Mf)5: 7.03 x 120% =**8.4** mg/L for mid ebb on 26-Nov-2012) AND CS(Mf)5: 18.53 x 120% =**22.2** mg/L for mid flood on 26-Nov-2012)	**34.4** or 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS(Mf)5: 7.03 x 130% =**9.1** mg/L for mid ebb on 26-Nov-2012)CS(Mf)5: 18.53 x 130% =**24.1** mg/L for mid flood on 26-Nov-2012)	***10.2***	11.4
SS	IS(Mf)6	DA			***27.1***	***47.5***
SS	IS7	DA			***9.1***	***30.1***
SS	IS(Mf)9	DA			***9.9***	13.5
SS	IS10	DA			***9.7***	16.6
SS	SR3	DA			***9.5***	14.5

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 1 December 2012, an exceedance of the AL at station IS7 and exceedances LL at stations IS5, IS(Mf)6, IS(Mf)9, IS10 and SR3 were recorded during mid-ebb tide. Exceedances of LL at IS(Mf)6 and IS7 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. No major marine works were carried out near the monitoring stations during the sampling period.
2. The ranges of suspended solid at stations IS5, IS(Mf)6, IS7, IS(Mf)9, IS10 and SR3 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	7.0	to	23.7
IS(Mf)6	7.1	to	19.0	8.5	to	35.0
IS7	6.1	to	21.0	7.8	to	34.0
IS(Mf)9	5.5	to	20.1	7.3	to	26.0
SR3	6.7	to	31.0	7.6	to	28.0
IS10	6.1	to	20.2	7.2	to	16.0

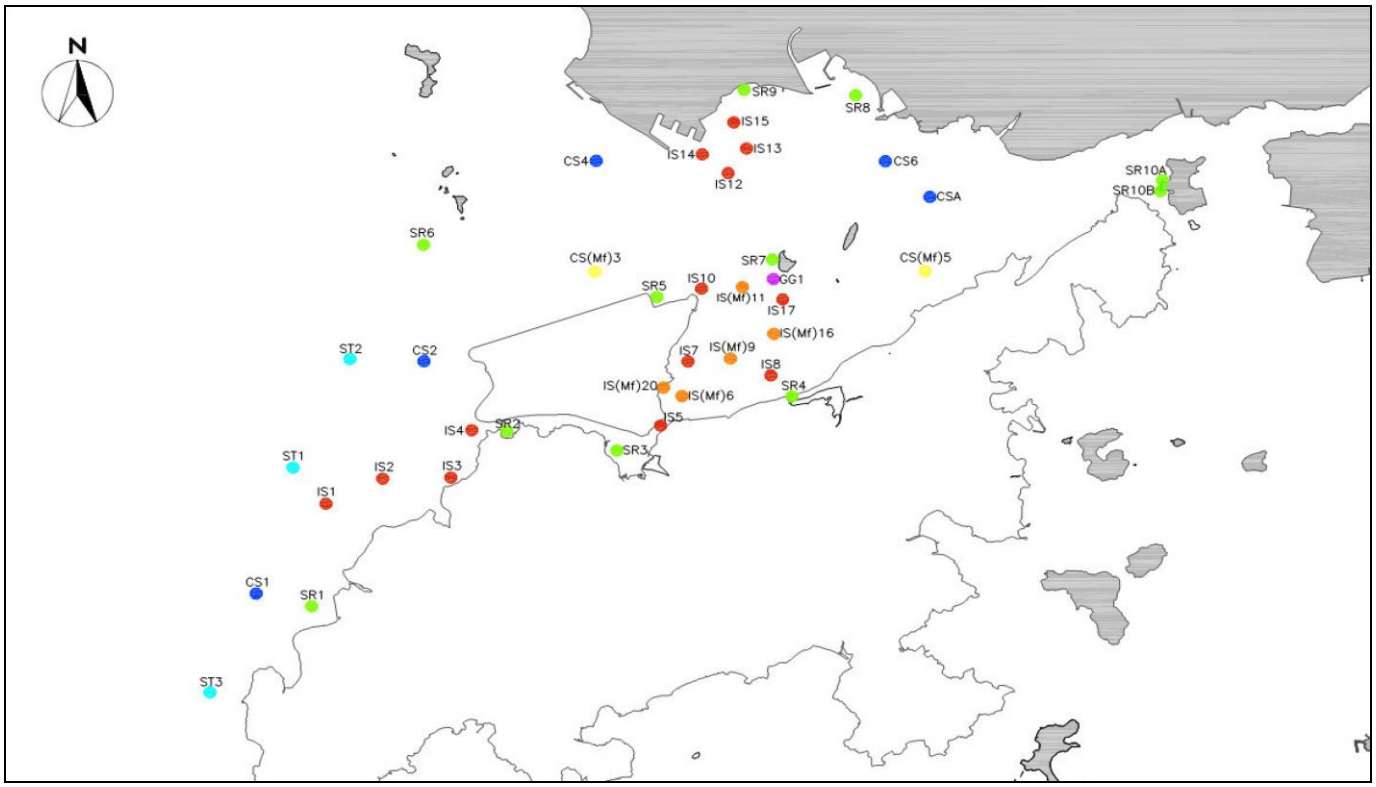
The measured values at stations IS5, IS7, IS(Mf)9, IS10 and SR3 were within the ranges of suspended solid levels for ebb tide during baseline monitoring and the measured values at stations IS7, IS(Mf)9 and SR3 were within the ranges of suspended solid levels for flood tide during baseline monitoring.

3. IS(Mf)6 is located near the public marine traffic channel. The high suspended solid level was likely caused by public marine traffic activities.

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 : 4 January 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.: 038

Date of Notification: 11 December 2012

Works Inspected: Data collected from water sampling works on 3 December 2012 and the results were issued on 5 December 2012

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: 10.80 x 120% =**13.0** for mid ebb on 3-Dec-2012 AND CS(Mf)5: 9.25 x 120% =**11.1** for mid flood on 3-Dec-2012)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 10.80 x 130% =**14.0** for mid ebb on 3-Dec-2012 AND CS(Mf)5: 9.25 x 130% =**12.0** for mid flood on 3-Dec-2012)	***14.2***	10.2
TURB	IS(Mf)6	DA			***14.4***	10.8
TURB	IS7	DA			11.1	***18.2***
TURB	IS8	DA			10.2	***11.9***
TURB	IS(Mf)9	DA			11.9	***13.2***
TURB	IS10	DA			12.4	***19.2***
TURB	SR3	DA			12.7	***13.4***
TURB	SR4	DA			***13.5***	***15.6***
TURB	SR5	DA			***13.6***	***18.2***

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 3 December 2012, exceedances of AL at stations SR4 and SR5 and exceedances of LL at stations IS5 and IS(Mf)6 were recorded during mid-ebb tide. An exceedance of AL at station IS8 and exceedances of LL at stations 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. The rock filling activities were carried within silt curtain as recommended in the EIA Report.
2. The ranges of turbidity 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 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	20.0	5.0	to	19.4
IS8	4.0	to	12.2	4.5	to	24.5
IS(Mf)9	2.7	to	17.0	3.4	to	22.6
SR3	4.6	to	65.7	7.7	to	19.7
SR4	5.2	to	18.9	5.0	to	20.6
SR5	5.2	to	12.4	7.1	to	30.9
IS10	6.7	to	14.7	8.4	to	20.8

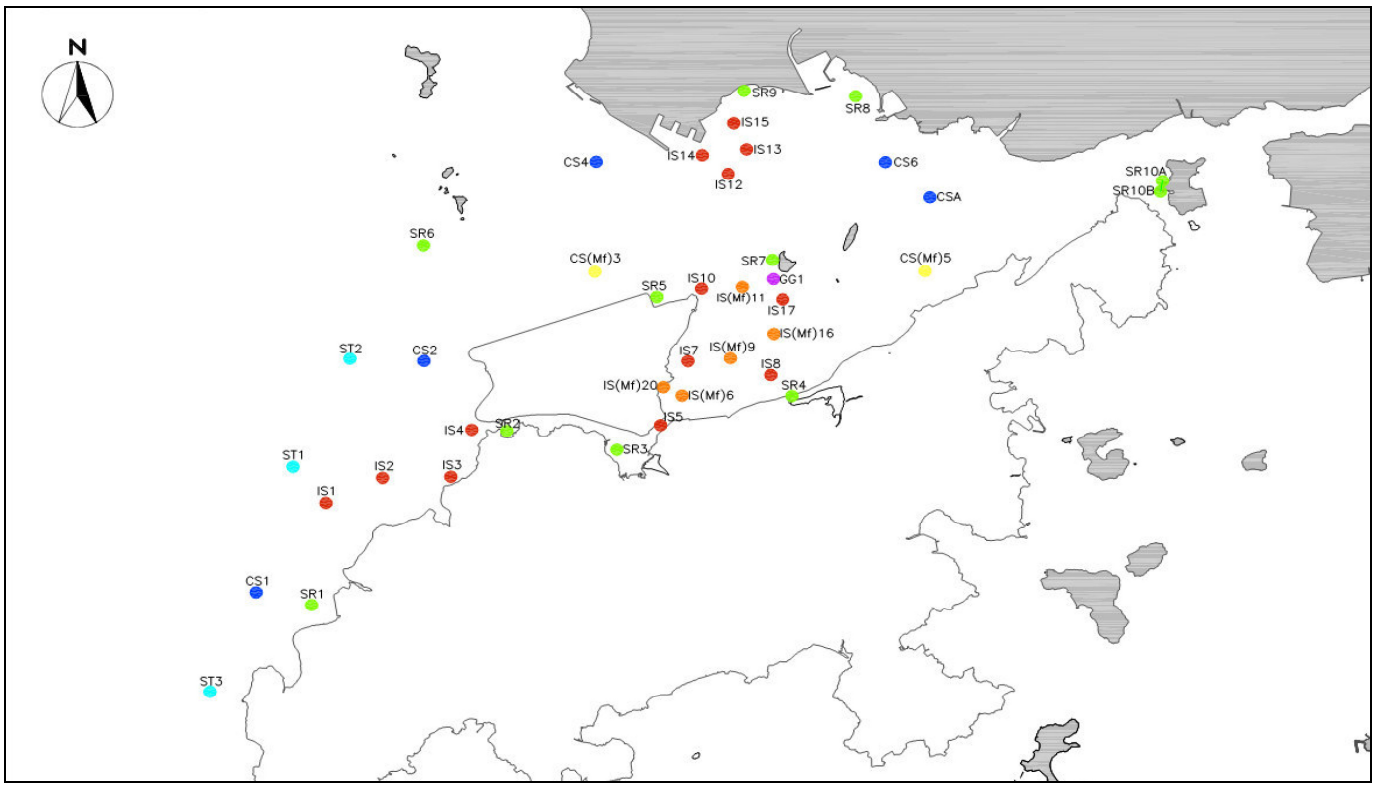
The measured values at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, SR10, SR3 and SR4 were within the ranges of turbidity for mid-ebb tide during baseline monitoring and he measured values at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, SR10, SR3, SR4 and SR5 were within the ranges of turbidity for mid-ebb tide during baseline monitoring.

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 : 12 December 2012

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.: 039

Date of Notification: 11 December 2012

Works Inspected: Data collected from water sampling works on 5 December 2012 and the results were issued on 7 December 2012

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: 12.13 x 120% =**14.6** for mid ebb on 5-Dec-2012 and CS(Mf)5: 9.10 x 120% =**10.9** for mid flood on 5-Dec-2012)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 12.13 x 130% =**15.8** for mid ebb on 5-Dec-2012 and CS(Mf)5: 9.10 x 130% =**11.8** for mid flood on 5-Dec-2012)	12.0	***20.0***
TURB	IS7	DA			***20.9***	***13.8***
TURB	IS8	DA			12.9	***12.7***
TURB	IS10	DA			13.6	***12.0***
TURB	SR3	DA			11.4	***11.0***
TURB	SR4	DA			11.8	***18.4***
TURB	SR5	DA			***16.1***	***20.5***

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 5 December 2012, exceedances of LL at stations IS7 and SR5 were recorded during mid-ebb tide. An exceedance of AL at station SR3 and exceedances of LL at stations IS(Mf)6, IS7, IS8, IS10, 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. The rock filling activities were carried within silt curtain as recommended in the EIA Report.
2. The ranges of turbidity at stations IS(Mf)6, IS7, IS8, IS10, SR3, SR4 and SR5 during the baseline monitoring are 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	20.0	5.0	to	19.4
IS8	4.0	to	12.2	4.5	to	24.5
SR3	4.6	to	65.7	7.7	to	19.7
SR4	5.2	to	18.9	5.0	to	20.6
SR5	5.2	to	12.4	1.9	to	13.0
IS10	6.7	to	14.7	8.4	to	20.8

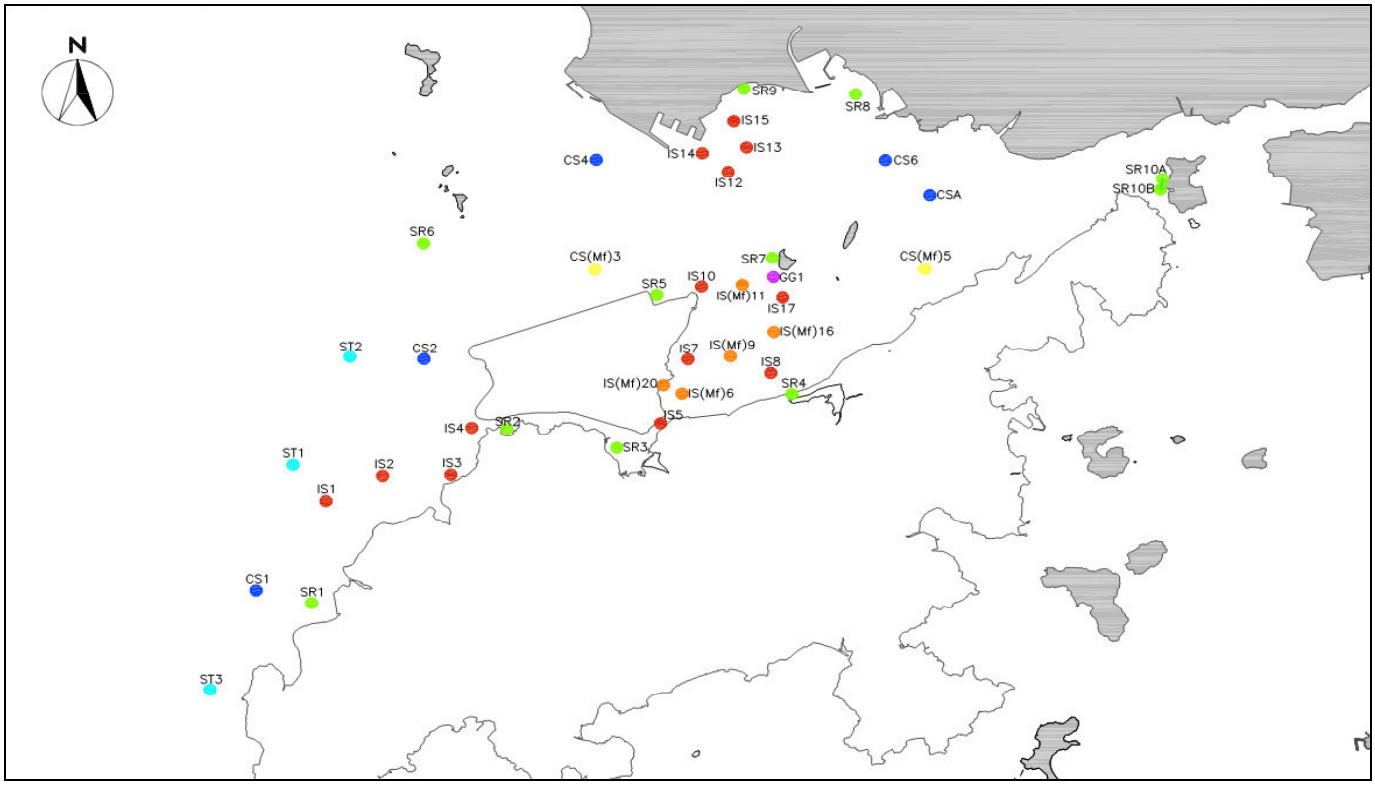
The measured values at stations IS(Mf)6, IS10, SR3 and SR4 were similar the ranges of turbidity for mid-ebb tide during baseline monitoring and the measured values at stations IS(Mf)6, IS7, IS8, ISR10, SR3, SR4 and SR5 were within the ranges of turbidity for mid-flood tide during baseline monitoring.

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 : 12 December 2012

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.: 040

Date of Notification: 11 December 2012

Works Inspected: Data collected from water sampling works on 8 December 2012 and the results were issued on 10 December 2012

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: 9.58 x 120% =**11.5** for mid ebb on 8-Dec-2012 AND CS(Mf)5: 8.40 x 120% =**10.1** for mid flood on 8-Dec-2012)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 9.58 x 130% =**12.5** for mid ebb on 8-Dec-2012 AND CS(Mf)5: 8.40 x 130% =**10.9** for mid flood on 8-Dec-2012)	***11.8***	***15.9***
TURB	IS(Mf)6	DA			***11.6***	***19.4***
TURB	IS7	DA			***11.6***	***14.0***
TURB	IS10	DA			***12.0***	***18.1***
TURB	SR3	DA			10.1	***11.7***
TURB	SR4	DA			10.4	***16.3***
TURB	SR5	DA			9.8	***16.4***

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 8 December 2012, exceedances of AL at stations IS5, IS(Mf)6, IS7 and IS10 were recorded during mid-ebb tide. The exceedance of LL at stations IS5, IS(Mf)6, IS7, 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. No major marine works were carried out near the monitoring stations. Silt curtains maintenance work was being carried out during the sampling period.
2. The ranges of turbidity at stations IS5, IS(Mf)6, IS7, IS10, SR3, SR4 and SR5 during the baseline monitoring are 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	20.0	5.0	to	19.4
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	5.0	to	20.6
SR5	5.2	to	12.4	7.1	to	30.9

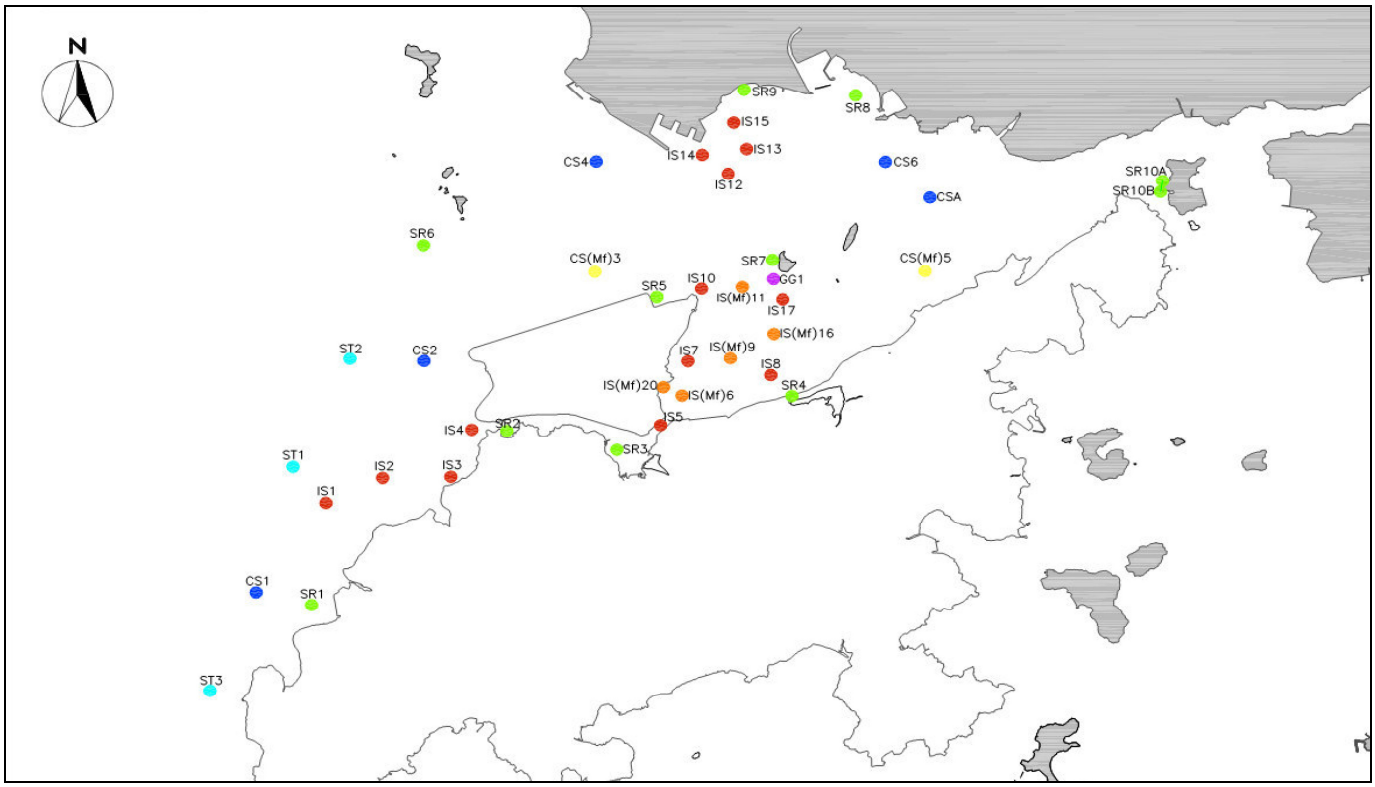
   The measured values at stations IS5, IS(Mf)6, IS7, IS10, SR3, SR4 and SR5 were within the ranges of turbidity during baseline monitoring.
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

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 : 12 December 2012

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.: 041a

Date of Notification: 4 January 2013

Works Inspected: Data collected from water sampling works on 3 December 2012 and the test report was issued on 10 December 2012

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: 6.37 x 120% =**7.6**mg/L for mid ebb on 3-Dec-2012) AND CS(Mf)5: 7.12 x 120% =**8.5** mg/L for mid flood on 3-Dec-2012)	**34.4** or 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 6.37 x 130% =**8.3** mg/L for mid ebb on 3-Dec-2012) AND CS(Mf)5: 7.12 x 130% =**9.3** mg/L for mid flood on 3-Dec-2012)	***13.9***	***12.1***
SS	IS(Mf)6	DA			***12.0***	4.5
SS	IS7	DA			6.9	***16.3***
SS	IS8	DA			6.6	***11.5***
SS	IS(Mf)9	DA			***12.0***	***11.7***
SS	IS10	DA			***9.0***	***22.9***
SS	SR3	DA			***9.1***	***11.9***
SS	SR4	DA			***10.5***	***19.5***
SS	SR5	DA			***11.3***	***17.6***
SS	SR10A	DA			***10.8***	6.6
SS	SR10B	DA			***8.8***	8.2

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 3 December 2012, exceedances of the LL at stations IS5, IS(Mf)6, IS(Mf)9, IS10, SR3, SR4, SR5 SR10A and SR10B were recorded during mid-ebb tide. Exceedances of LL at stations IS5, IS7, IS8, IS(Mf)9, IS10, DR3, 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. The rock filling 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, IS(Mf)9, IS10, SR3, SR4, 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	7.0	to	23.7
IS(Mf)6	7.1	to	19.0	8.5	to	35.0
IS7	6.1	to	21.0	7.8	to	34.0
IS8	5.5	to	25.5	5.8	to	31.3
IS(Mf)9	5.5	to	20.1	7.3	to	26.0
IS10	6.1	to	20.2	7.2	to	16.0
SR3	6.7	to	31.0	7.6	to	28.0
SR4	5.3	to	20.0	5.6	to	24.5
SR5	6.7	to	16.5	6.5	to	31.2
SR10A	3.6	to	17.0	4.8	to	19.2
SR10B	3.1	to	30.8	5.7	to	26.7

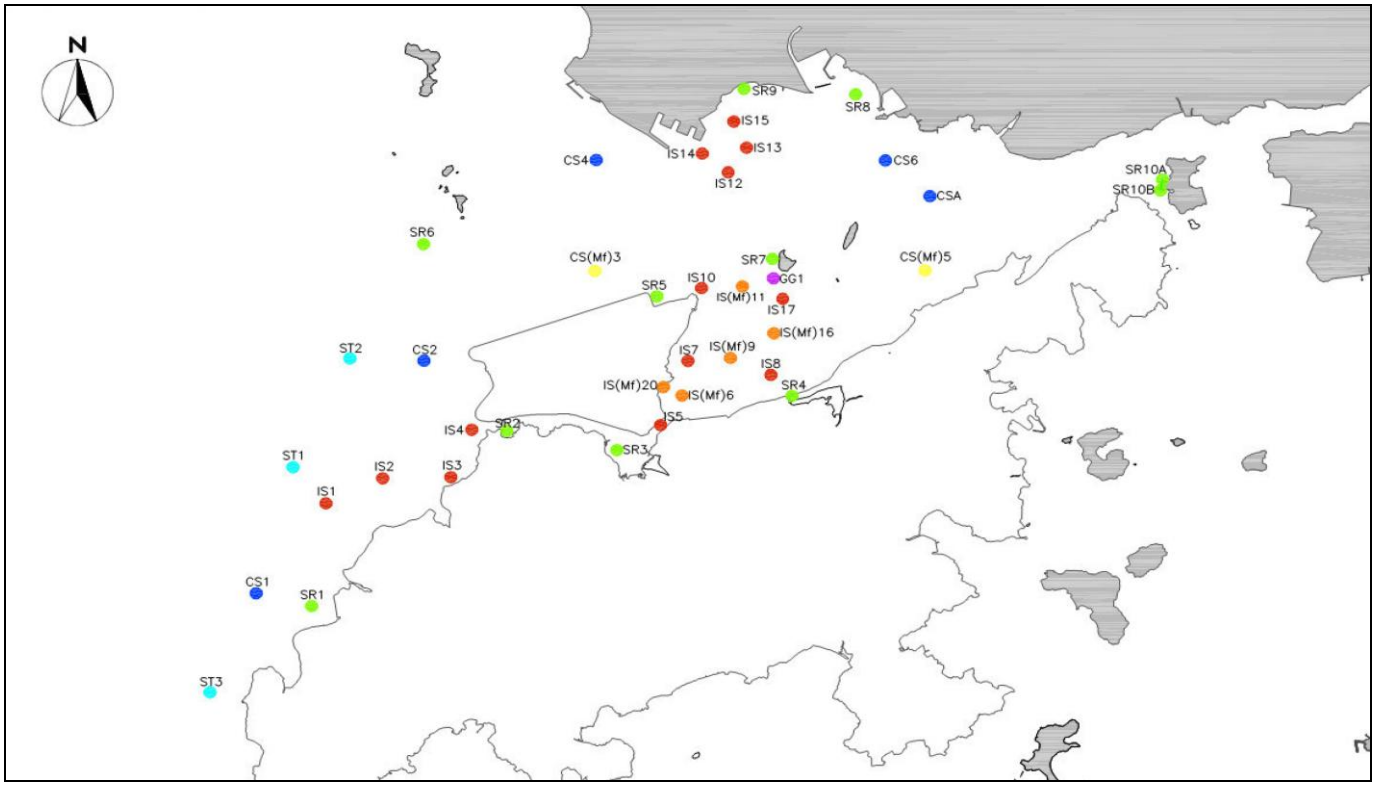
The measured values at stations IS5, IS(Mf)6, IS(Mf)9, IS10, SR3, SR4, SR5 SR10A and SR10B were within the ranges of suspended solid for mid-ebb tide during baseline monitoring and the measured values at stations IS5, IS7, IS8, IS(Mf)9, DR3, SR4 and SR5 were within the ranges of suspended solid for mid-flood tide during baseline monitoring.

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 : 4 January 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.: 042a

Date of Notification: 4 January 2013

Works Inspected: Data collected from water sampling works on 5 December 2012 and the test report was issued on 12 December 2012

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: 11.32 x 120% =**13.6**mg/L for mid ebb on 5-Dec-2012) AND CS(Mf)5: 8.65 x 120% = **10.4** mg/L for mid flood on 5-Dec-2012)	**34.4** or 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 11.32 x 130% =**14.7** mg/L for mid ebb on 5-Dec-2012) AND CS(Mf)5: 8.65 x 130% = **11.2** mg/L for mid flood on 5-Dec-2012)	10.3	***21.6***
SS	IS7	DA			***19.7***	***13.5***
SS	IS8	DA			***21.8***	***12.1***
SS	IS10	DA			10.8	***11.0***
SS	SR4	DA			10.7	***17.4***
SS	SR5	DA			***15.8***	***22.8***

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 5 December 2012, exceedances of the LL at stations IS7, IS8 and SR5 were recorded during mid-ebb tide. An exceedance of AL at station IS10 and exceedances of the LL at stations IS(Mf)6, IS7, IS8, 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. The rock filling activities were carried within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at stations IS(Mf)6, IS7, IS8, IS10, 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		
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
SR4	5.3	to	20	5.6	to	24.5
SR5	6.7	to	16.5	6.5	to	31.2

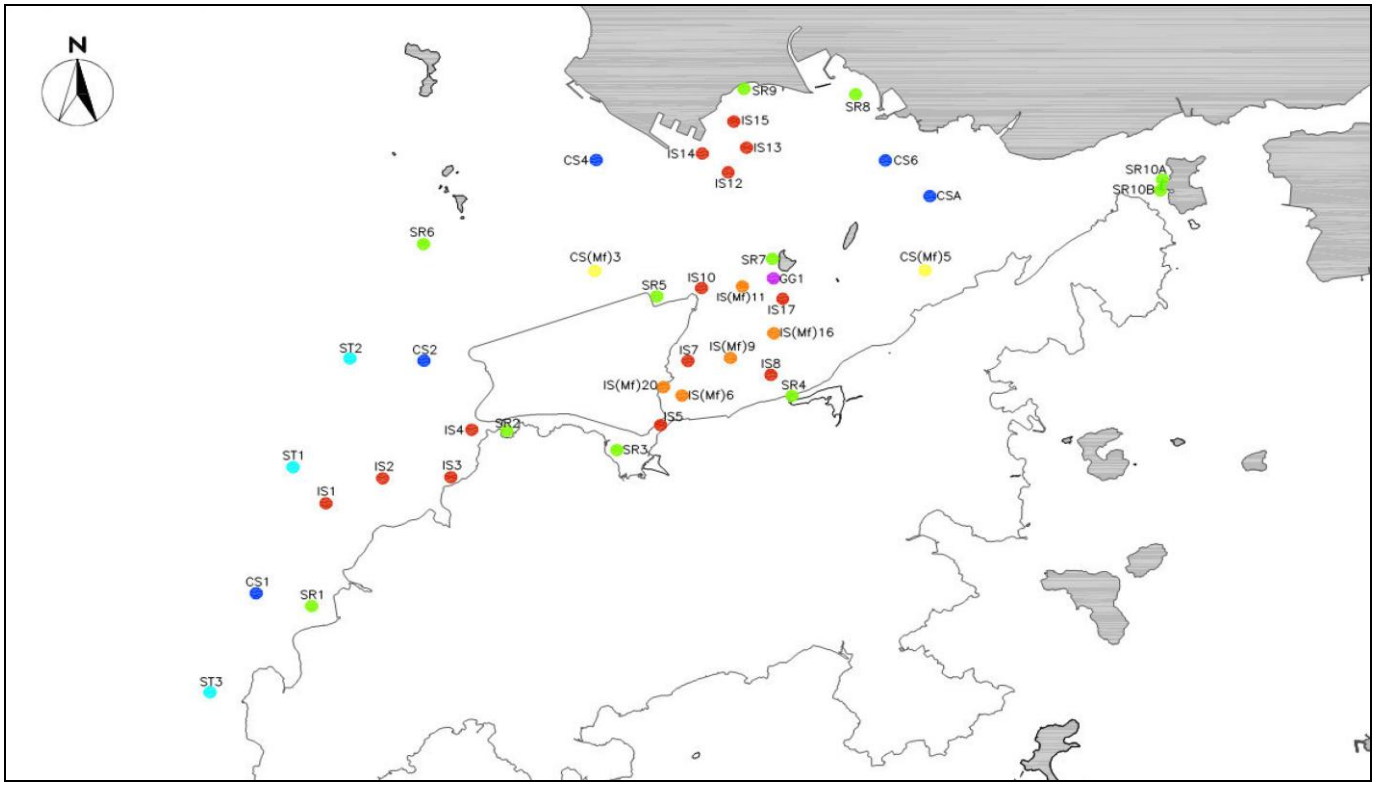
The measured values at stations IS7, IS8 and SR5 were within the ranges of suspended solid for mid-ebb tide during baseline monitoring and the measured values at stations IS(Mf)6, IS7, IS8, IS10, SR4 and SR5 were within the ranges of suspended solid for mid-flood tide during baseline monitoring.

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 : 4 January 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.: 043a

Date of Notification: 4 January 2013

Works Inspected: Data collected from water sampling works on 8 December 2012 and the test report was issued on 14 December 2012

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: 3.80 x 120% =**4.6**mg/L for mid ebb on 8-Dec-2012) AND CS(Mf)5: 8.85 x 120% = **10.6** mg/L for mid flood on 8-Dec-2012)	**34.4** or 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 3.80 x 130% =**4.9** mg/L for mid ebb on 8-Dec-2012) AND CS(Mf)5: 8.85 x 130% = **11.5** mg/L for mid flood on 8-Dec-2012)	***9.2***	***18.8***
SS	IS(Mf)6	DA			***5.9***	***19.9***
SS	IS7	DA			***8.6***	***16.4***
SS	IS8	DA			***6.0***	8.1
SS	IS10	DA			***5.6***	***26.0***
SS	SR3	DA			***5.5***	***11.0***
SS	SR4	DA			***5.4***	***17.0***
SS	SR5	DA			***6.4***	***18.9***

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 8 December 2012, exceedances of the LL at stations IS5, IS(Mf)6, IS7, IS8. IS10, SR3, SR4 and SR5 were recorded during mid-ebb tide. An exceedances of AL at station SR3 and exceedances of the LL at stations IS5, IS(Mf)6, IS7, IS10, 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. No major marine works were carried out near the monitoring stations. Silt curtains maintenance work was being carried out during the sampling period.
2. The ranges of suspended solid at stations IS5, IS(Mf)6, IS7, IS8. 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
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

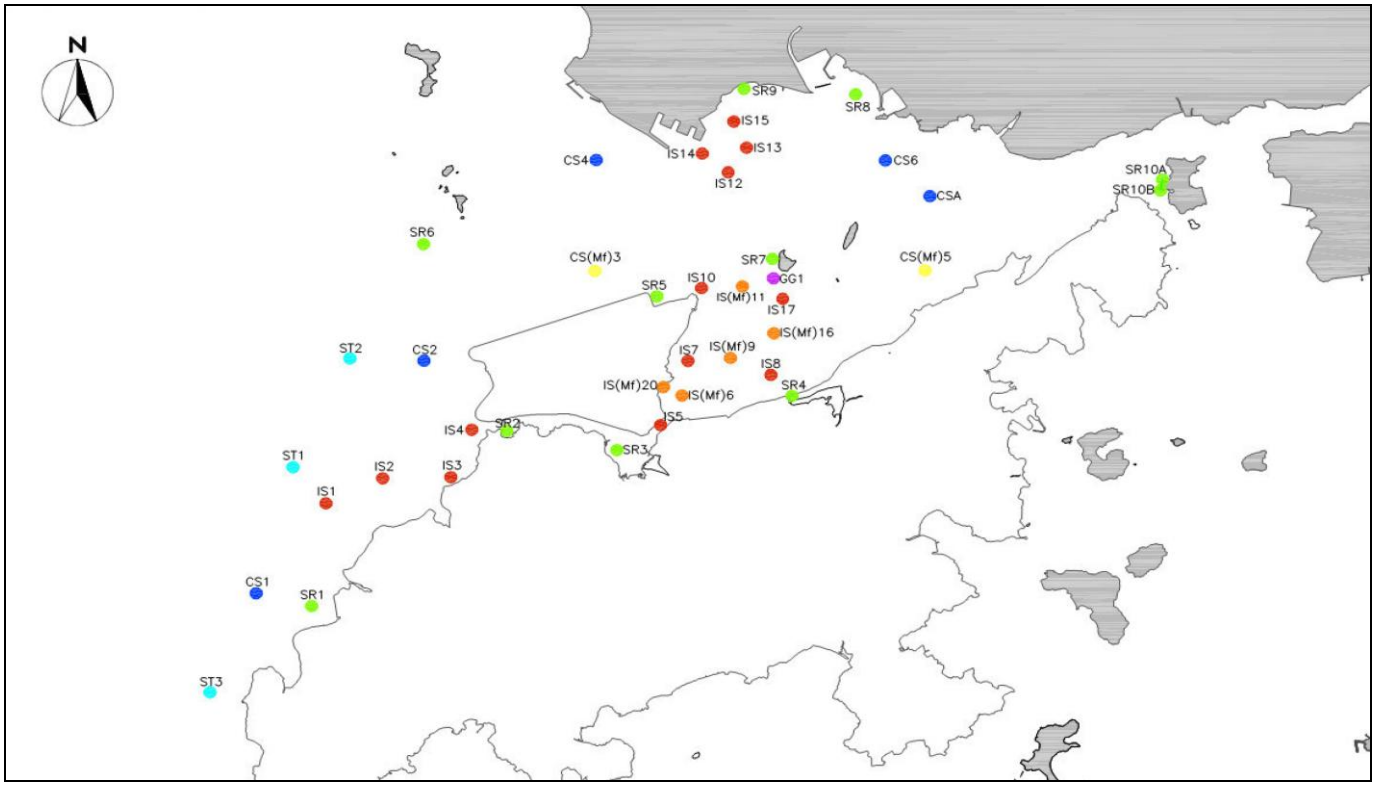
The measured values at stations IS5, IS(Mf)6, IS7, IS8. IS10, SR3, SR4 and SR5 were within the ranges of suspended solid for mid-ebb tide during baseline monitoring and the measured values at stations IS5, IS(Mf)6, IS7, SR3, SR4 and SR5 were within the ranges of suspended solid for mid-flood tide during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

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 : 4 January 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.: 044

Date of Notification: 24 December 2012

Works Inspected: Data collected from water sampling works on 10 December 2012 and the results were issued on 12 December 2012

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: 11.38 x 120% =**13.7** for mid ebb on 10-Dec-2012 AND CS(Mf)5: 5.92 x 120% =**7.1** for mid flood on 10-Dec-2012)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 11.38 x 130% =**14.8** for mid ebb on 10-Dec-2012 AND CS(Mf)5: 5.92 x 130% =**7.7** for mid flood on 10-Dec-2012)	***14.4***	***11.6***
TURB	IS(Mf)6	DA			***18.4***	***13.2***
TURB	IS7	DA			***24.2***	***8.6***
TURB	IS(Mf)9	DA			***18.4***	***7.6***
TURB	IS10	DA			13.7	***15.2***
TURB	SR3	DA			11.8	***10.6***
TURB	SR4	DA			12.0	***10.7***
TURB	SR5	DA			***15.9***	***16.5***
TURB	SR10A	DA			9.9	***12.6***
TURB	SR10B	DA			10.4	***14.2***

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 10 December 2012, an exeedance of AL at station IS5 and exceedances of LL at stations IS(Mf)6, IS7, IS(Mf)9 and SR5 were recorded during mid-ebb tide. An exceedance of AL at station IS(Mf)9 and exceedances of LL at stations IS5, IS(Mf)6, IS7, IS10, SR3, SR4, SR5, SR10A and SR10B 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. The rock filling activities were carried within silt curtain as recommended in the EIA Report.
2. The ranges of turbidity at stations IS5, IS(Mf)6, IS7, IS(Mf)9, IS10, SR3, SR4, SR5, SR10A and SR10B during the baseline monitoring are 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
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
SR10A	2.6	to	11.4	1.9	to	13
SR10B	1.7	to	13.6	1.7	to	13.2

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

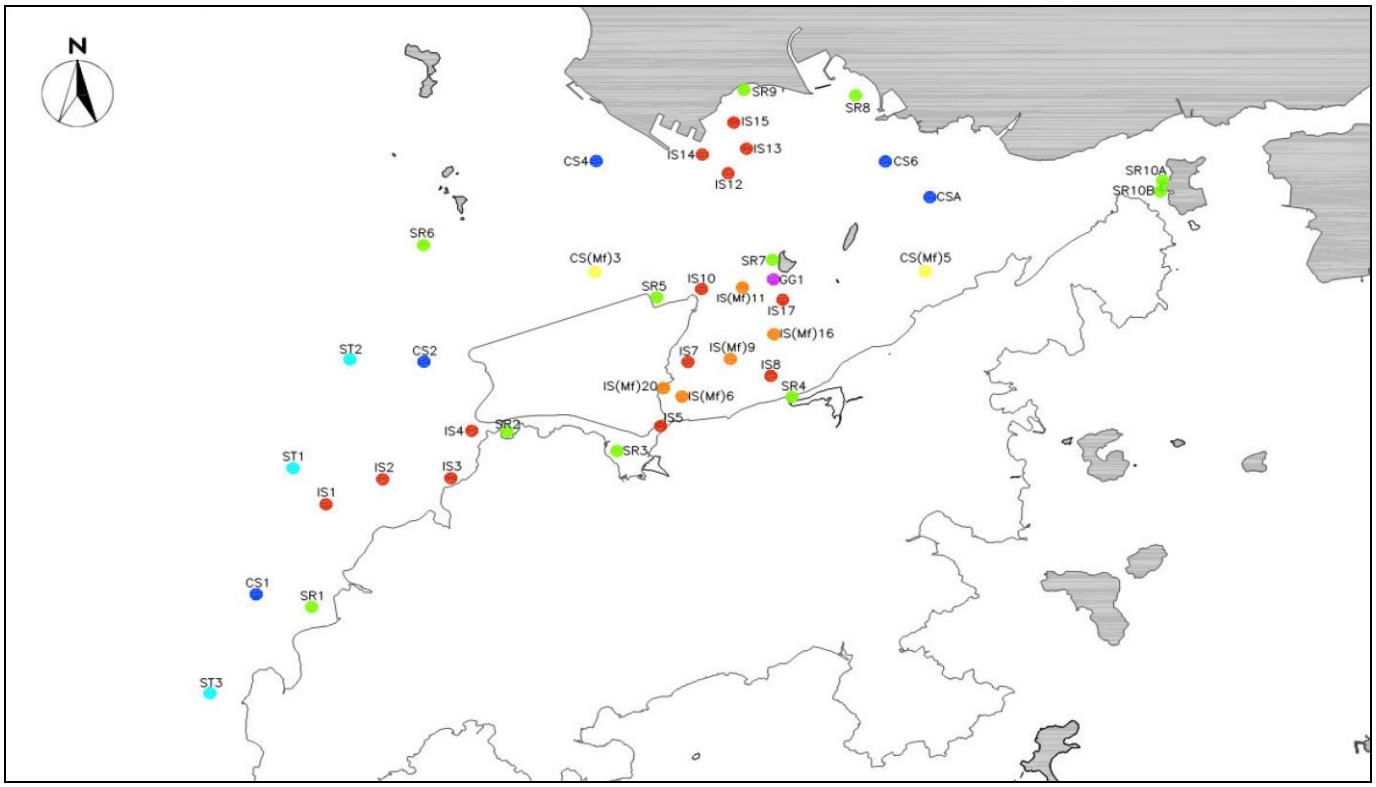
As such, the turbidity levels are considered to be attributed to other external factors such as sea condition, rather than the

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 : 24 December 2012

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.: 045

Date of Notification: 20 December 2012

Works Inspected: Data collected from water sampling works on 12 December 2012 and the results were issued on 14 December 2012

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: 12.50 x 120% =**15.0** for mid ebb on 12-Dec-2012 AND CS(Mf)5: 13.13 x 120% =**15.8** for mid flood on 12-Dec-2012)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 12.50 x 130% =**16.3** for mid ebb on 12-Dec-2012 AND CS(Mf)5: 13.13 x 130% =**17.1** for mid flood on 12-Dec-2012)	***16.5***	12.6
TURB	IS(Mf)6	DA			***18.5***	11.3
TURB	IS7	DA			***16.7***	12.4
TURB	SR4	DA			12.8	***16.1***

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 12 December 2012, exceedances of LL at stations IS5, IS(Mf)6 and IS7 were recorded during mid-ebb tide. An exceedance of AL at station SR4 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 reason:

1. The rock filling activities were carried within silt curtain as recommended in the EIA Report.
2. The ranges of turbidity at stations IS5, IS(Mf)6, IS7 and SR4 during the baseline monitoring are 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
SR4	5.2	to	18.9	5	to	20.6

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

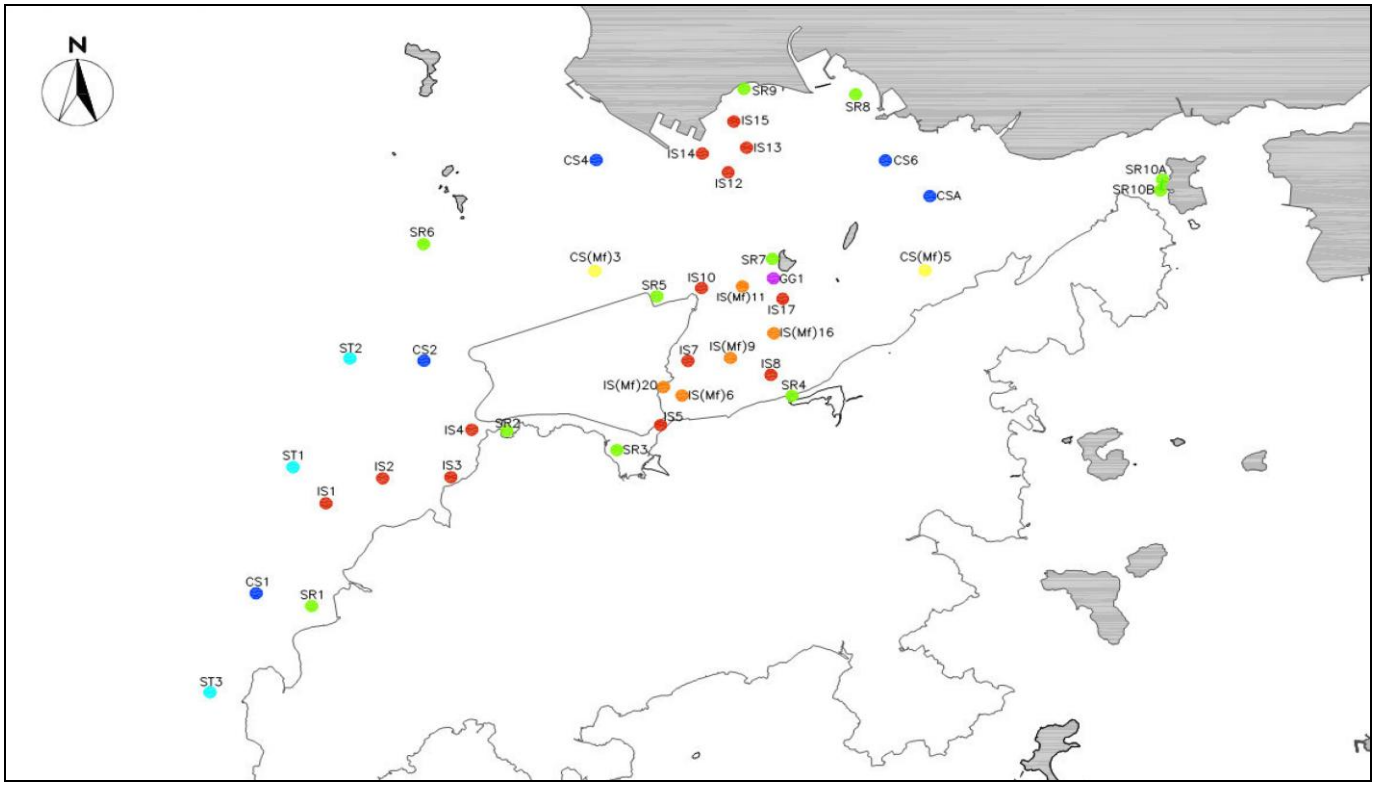
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

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 : 20 December 2012

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.: 046

Date of Notification: 20 December 2012

Works Inspected: Data collected from water sampling works on 10 December 2012 and the test report was issued on 17 December 2012

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: 8.20 x 120% =**9.8** mg/L for mid ebb on 10-Dec-2012) AND CS(Mf)5:6.80 x 120% = **8.2** mg/L for mid flood on 10-Dec-2012)	**34.4** or 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 8.20 x 130% =**10.7** mg/L for mid ebb on 10-Dec-2012) AND CS(Mf)5: 6.80 x 130% = **8.8** mg/L for mid flood on 10-Dec-2012)	***11.3***	***11.7***
SS	IS(Mf)6	DA			***18.5***	***13.0***
SS	IS7	DA			***30.2***	***8.3***
SS	IS(Mf)9	DA			***15.9***	7.4
SS	IS10	DA			***9.9***	***17.7***
SS	SR3	DA			7.9	***9.8***
SS	SR4	DA			8.2	***11.3***
SS	SR5	DA			***18.2***	***17.3***

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 10 December 2012, an exceedance of the AL at station IS10 and exceedances of LL at stations IS5, IS(Mf)6, IS7, IS(Mf)9 and SR5 were recorded during mid-ebb tide. An exceedance of AL at station IS7 and exceedances of the LL at stations IS5, IS(Mf)6, 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. The rock filling 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, 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
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

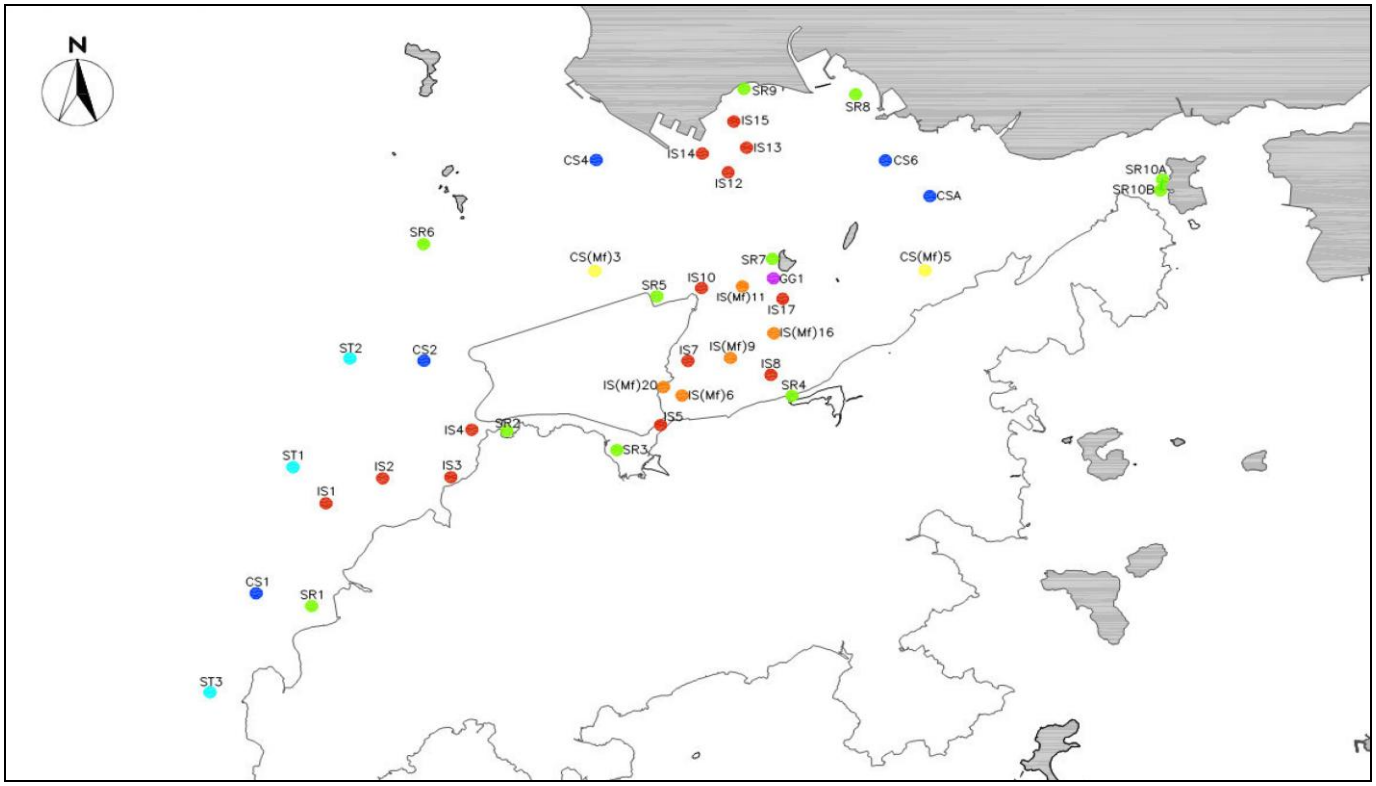
The measured values at stations IS5, IS(Mf)6, IS(Mf)9 and IS10 were within the ranges of suspended solid for mid-ebb tide during baseline monitoring and the measured values at stations IS5, IS(Mf)6, IS7, SR3, SR4 and SR5 were within the ranges of suspended solid for mid-flood tide during baseline monitoring.

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 : 20 December 2012

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.: 047

Date of Notification: 20 December 2012

Works Inspected: Data collected from water sampling works on 12 December 2012 and the test report was issued on 19 December 2012

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: 7.63 x 120% =**9.2** mg/L for mid ebb on 12-Dec-2012) AND CS(Mf)5: 9.80 x 120% = **11.8** mg/L for mid flood on 12-Dec-2012)	**34.4** or 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 7.63 x 130% =**9.9** mg/L for mid ebb on 12-Dec-2012) AND CS(Mf)5: 9.80 x 130% = **12.7** mg/L for mid flood on 12-Dec-2012)	***14.0***	11.1
SS	IS(Mf)6	DA			***15.2***	11.5
SS	IS7	DA			***17.2***	11.6
SS	IS(Mf)9	DA			8.9	***12.5***
SS	IS10	DA			8.5	***18.3***
SS	SR3	DA			***10.7***	10.0
SS	SR4	DA			8.0	***16.8***
SS	SR5	DA			***9.6***	***12.6***
SS	SR10A	DA			***10.2***	3.8

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 12 December 2012, an exceedance of the AL at station SR5 and exceedances of LL at stations IS5, IS(Mf)6, IS7, SR3 and SR10A were recorded during mid-ebb tide. Exceedances of AL at stations IS(Mf)9 and SR5 and exceedances of the LL at stations IS10 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. The rock filling 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, 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
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

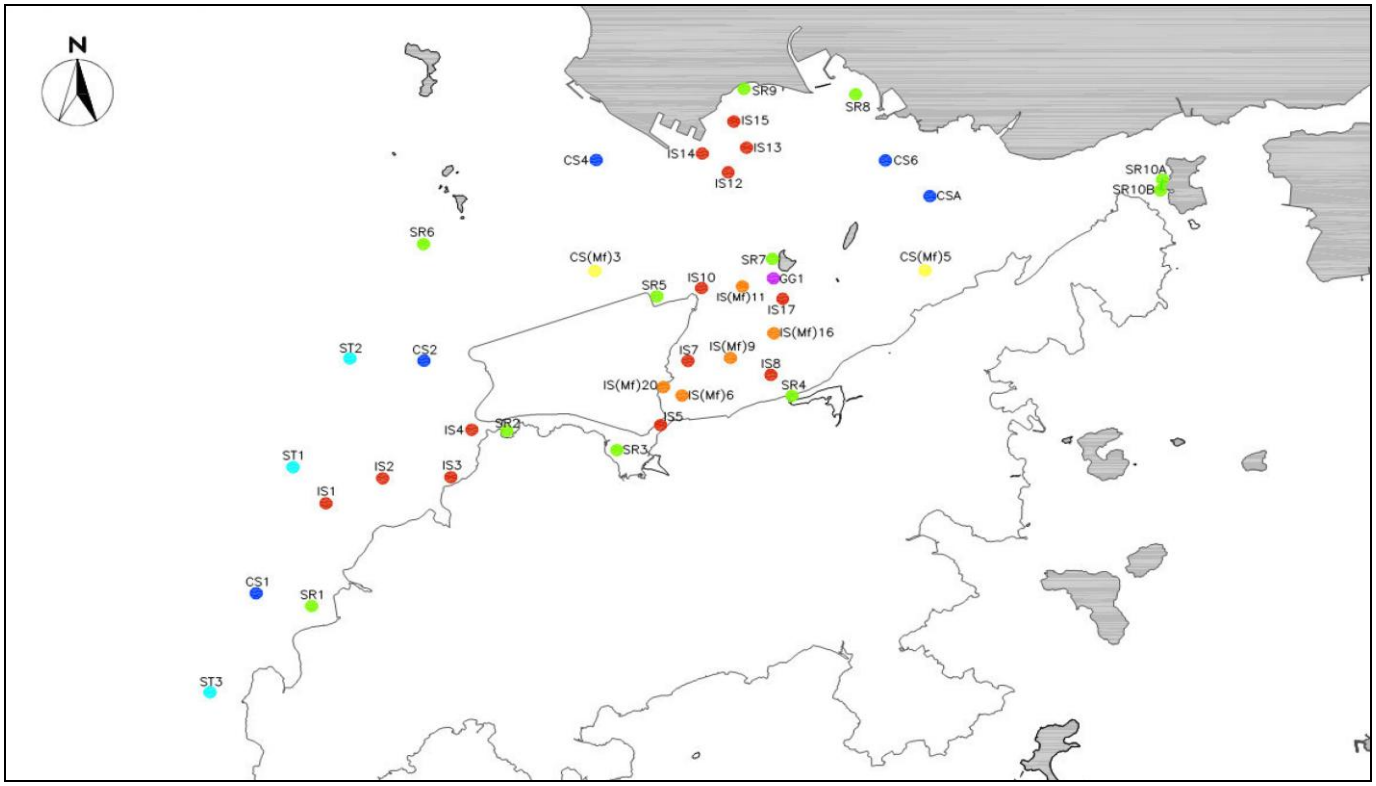
The measured values at stations IS5, IS(Mf)6, IS7, SR3, SR5 and SR10A were within the ranges of suspended solid for mid-ebb tide during baseline monitoring and the measured values at stations IS(Mf)9. SR4 and SR5 were within the ranges of suspended solid for mid-flood tide during baseline monitoring.

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 : 20 December 2012

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.: 048

Date of Notification: 24 December 2012

Works Inspected: Data collected from water sampling works on 14 December 2012 and the results were issued on 15 December 2012

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: 8.98 x 120% =**10.8** for mid ebb on 14-Dec-2012 AND CS(Mf)5: 13.48 x 120% =**16.2** for mid flood on 14-Dec-2012)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 8.98 x 130% =**11.7** for mid ebb on 14-Dec-2012 AND CS(Mf)5: 13.48 x 130% = **17.5** for mid flood on 14-Dec-2012)	***15.5***	***24.8***
TURB	IS7	DA			***11.2***	***16.6***
TURB	IS(Mf)9	DA			6.9	***17.4***
TURB	IS10	DA			***13.1***	15.7
TURB	SR3	DA			***13.9***	10.2
TURB	SR5	DA			***15.4***	13.5

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 14 December 2012, an exceedances of AL at station IS7 and exceedances of LL at stations IS(Mf)6, IS10, SR3 and SR5 were recorded during mid-ebb tide. The exceedance of AL at stations IS7 and IS(Mf)9 and an exceedance of LL 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 reason:

1. No major marine works were carried out near the monitoring stations. The installation of floating material was carried out within the silt curtain area.

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

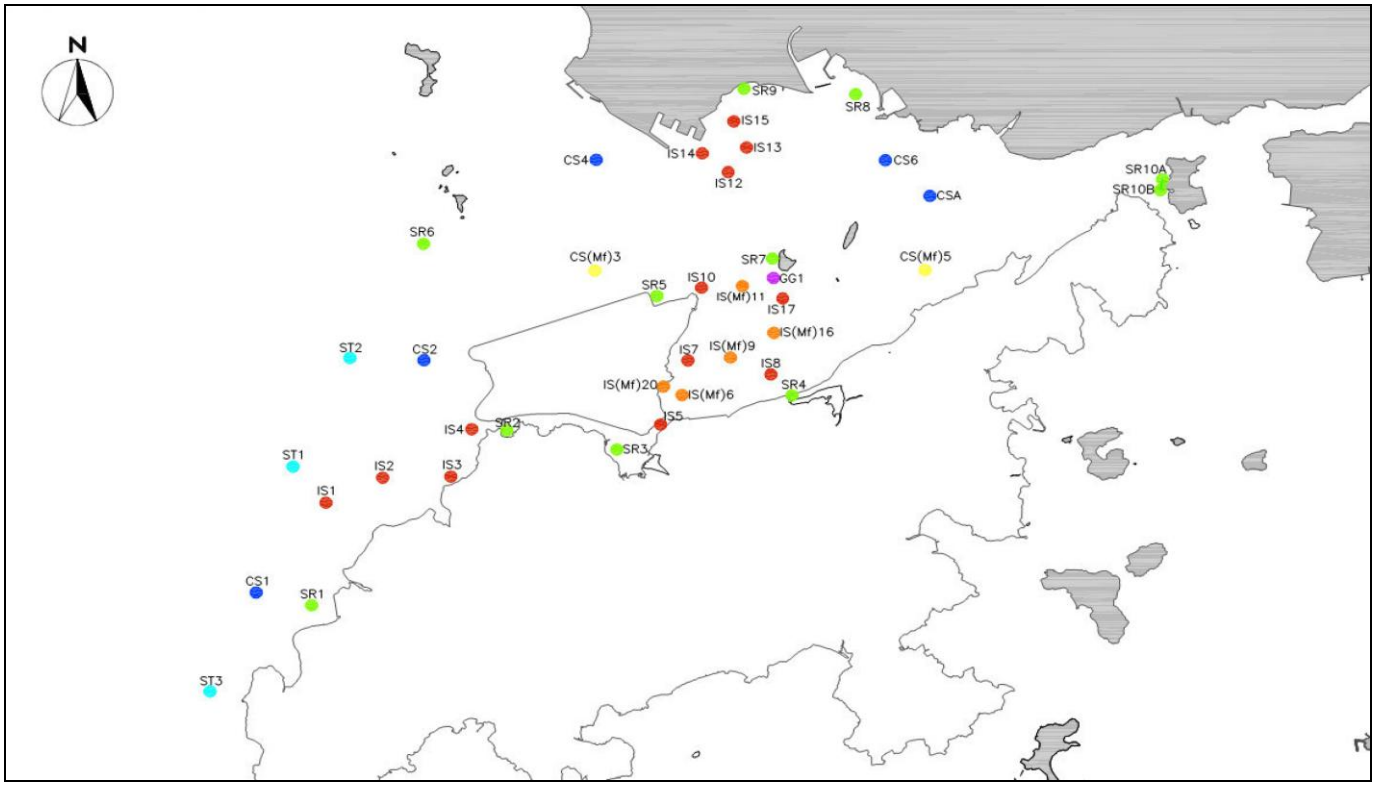
As such, the turbidity levels are considered to be attributed to other external factors such as sea condition, rather than the contract works.

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 : 24 December 2012

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.: 049

Date of Notification: 24 December 2012

Works Inspected: Data collected from water sampling works on 17 December 2012 and the results were issued on 20 December 2012

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: 9.8 x 120% =**11.8** for mid ebb on 17-Dec-2012 AND CS(Mf)5: 10.28 x 120% =**12.3** for mid flood on 12-Dec-2012)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 9.8 x 130% =**12.8** for mid ebb on 17-Dec-2012 AND CS(Mf)5: 10.28 x 130% =**13.4** for mid flood on 17-Dec-2012)	***13.4***	11.9
TURB	IS7	DA			***14.6***	10.8
TURB	IS(Mf)9	DA			9.1	***13.2***
TURB	SR4	DA			10.2	***13.9***

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 17 December 2012, exceedances of LL at stations IS(Mf)6 and IS7 were recorded during mid-ebb tide. An exceedance of AL at station IS(Mf)9 and an exceedance of LL at station 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. The rock filling activities were carried within silt curtain as recommended in the EIA Report.
2. The ranges of turbidity at stations IS(Mf)6, IS7, IS(Mf)9 and SR4 during the baseline monitoring are 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
SR4	5.2	to	18.9	5	to	20.6

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

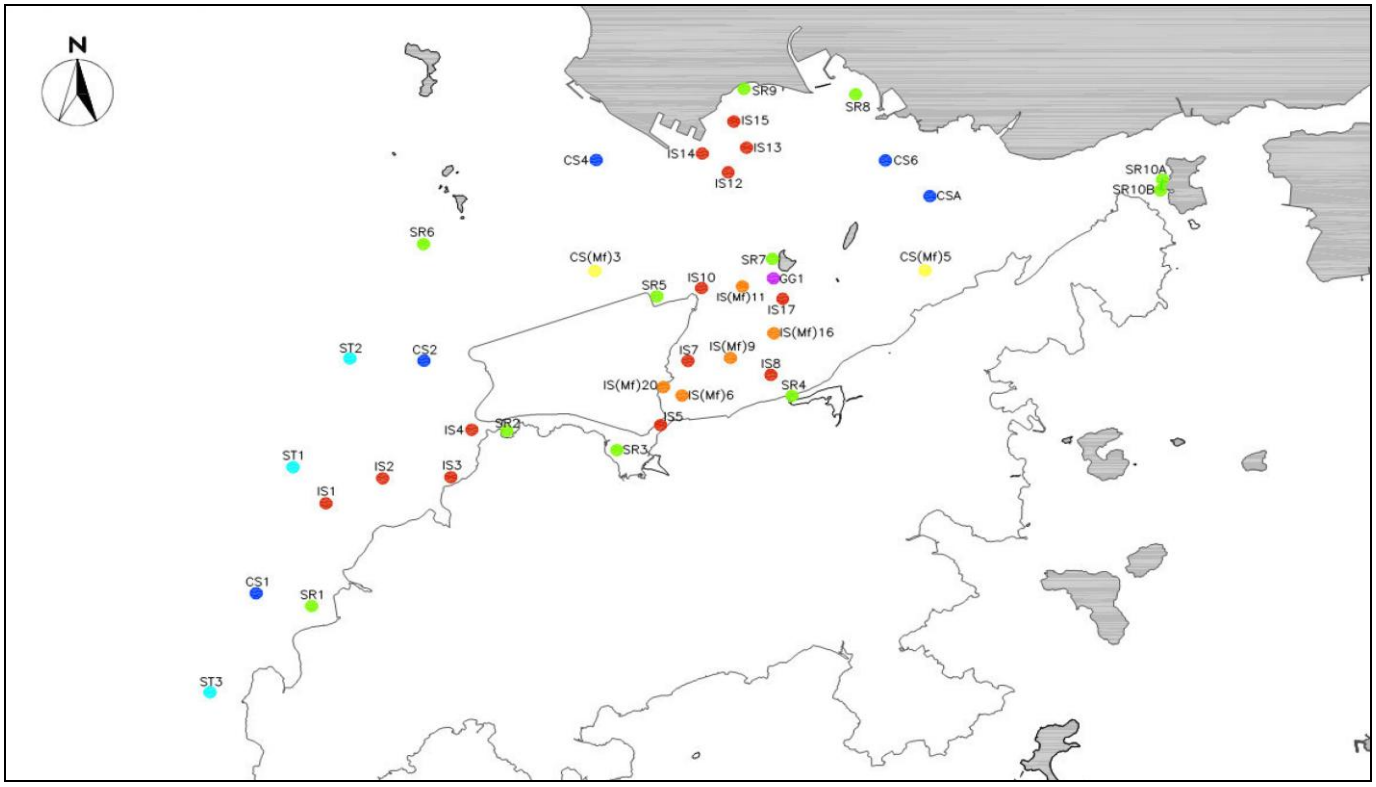
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

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 : 24 December 2012

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.: 050

Date of Notification: 24 December 2012

Works Inspected: Data collected from water sampling works on 14 December 2012 and the test report was issued on 21 December 2012

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: 8.47 x 120% =**10.2** mg/L for mid ebb on 14-Dec-2012) AND CS(Mf)5: 12.23 x 120% = **14.7** mg/L for mid flood on 14-Dec-2012)	**34.4** or 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 8.47 x 130% =**11.0** mg/L for mid ebb on 14-Dec-2012) AND CS(Mf)5: 12.23 x 130% = **15.9** mg/L for mid flood on 14-Dec-2012)	***11.4***	8.0
SS	IS(Mf)6	DA			***21.3***	***25.8***
SS	IS7	DA			***14.9***	***14.9***
SS	IS8	DA			***11.6***	11.3
SS	IS(Mf)9	DA			7.5	***20.3***
SS	IS10	DA			***13.0***	***18.0***
SS	SR3	DA			***14.9***	10.3
SS	SR4	DA			9.6	***17.2***
SS	SR5	DA			***17.8***	12.5
SS	SR10A	DA			***11.8***	11.9
SS	SR10B	DA			***12.1***	***19.4***

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 14 December 2012, exceedances of LL at stations IS5, IS(Mf)6, IS7, IS8, IS10, SR3, SR5, SR10A and SR10B were recorded during mid-ebb tide. An exceedance of AL at station IS7 and exceedances of the LL at stations IS(Mf)6, IS(Mf)9, IS10, SR4 and SR10B 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. No major marine works were carried out near the monitoring stations. The installation of floating material was carried out within the silt curtain area.
2. The ranges of suspended solid at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9. IS10, SR3, SR4, 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
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
SR10B	3.1	to	30.8	5.7	to	26.7

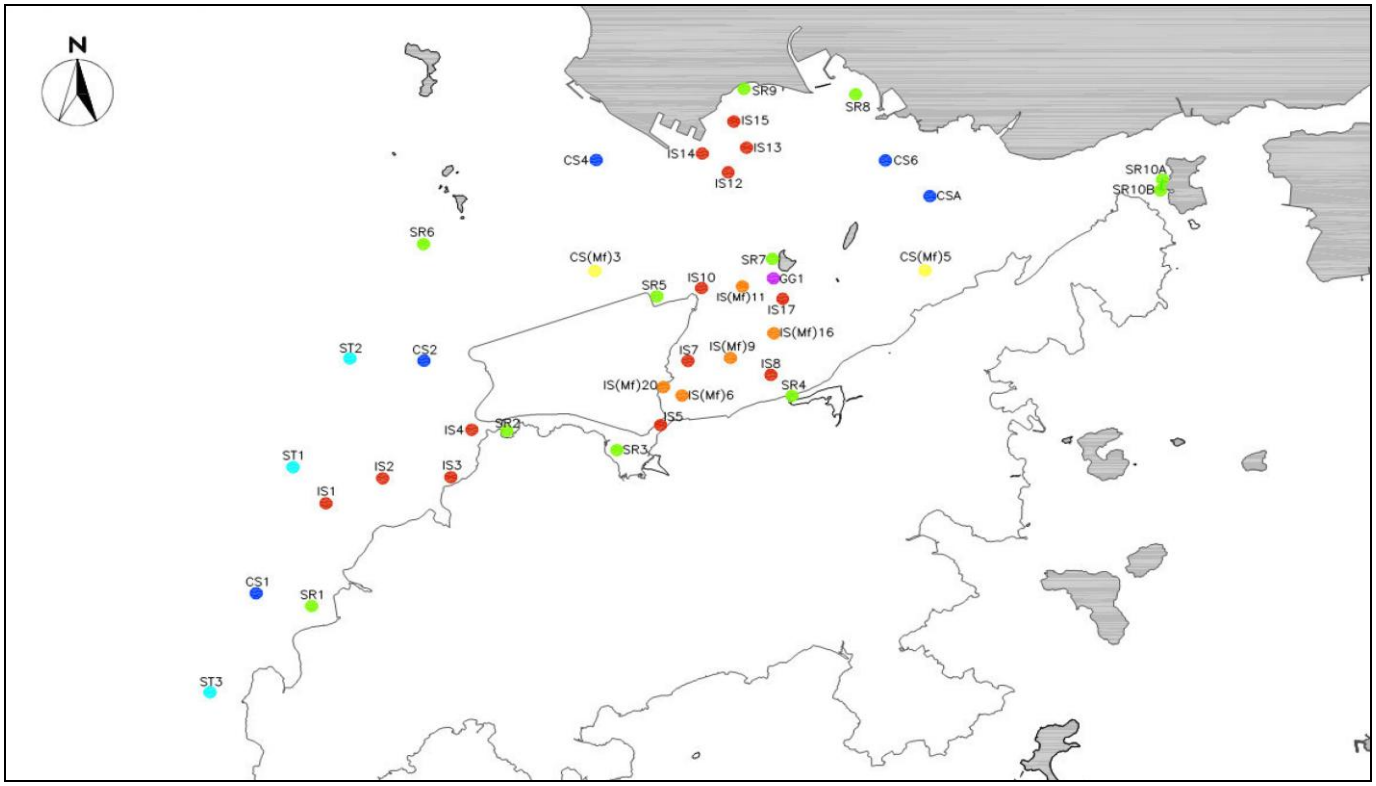
The measured values at stations IS5, IS7, IS8, IS10, SR3, SR5, SR10A and SR10B were within the ranges of suspended solid for mid-ebb tide during baseline monitoring and the measured values at stations IS(Mf)6, IS7, IS(Mf)9, SR4 and SR10B were within the ranges of suspended solid for mid-flood tide during baseline monitoring.

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 : 24 December 2012

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.: 051

Date of Notification: 28 December 2012

Works Inspected: Data collected from water sampling works on 17 December 2012 and the test report was issued on 24 December 2012

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: 10.33 x 120% =**12.4** mg/L for mid ebb on 17-Dec-2012) AND CS(Mf)5: 6.40 x 120% = **7.7** mg/L for mid flood on 17-Dec-2012)	**34.4** or 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 10.33 x 130% =**13.4** mg/L for mid ebb on 17-Dec-2012) AND CS(Mf)5: 6.40 x 130% = **8.3** mg/L for mid flood on 17-Dec-2012)	12.2	***19.6***
SS	IS(Mf)6	DA			***16.4***	***16.7***
SS	IS7	DA			***23.0***	***18.6***
SS	IS8	DA			11.5	***16.7***
SS	IS(Mf)9	DA			11.6	***15.5***
SS	IS10	DA			12.1	***14.5***
SS	SR3	DA			10.7	***12.5***
SS	SR4	DA			10.4	***15.0***
SS	SR5	DA			10.1	***17.4***
SS	SR10A	DA			6.4	***12.8***
SS	SR10B	DA			6.5	***12.8***

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 17 December 2012, exceedances of LL at stations IS(Mf)6 and IS7 were recorded during mid-ebb tide. Exceedances of LL at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9. IS10, SR3, SR4, SR5, SR10A and SR10B 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 rock filling 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, IS(Mf)9. IS10, SR3, SR4, 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
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
SR10B	3.1	to	30.8	5.7	to	26.7

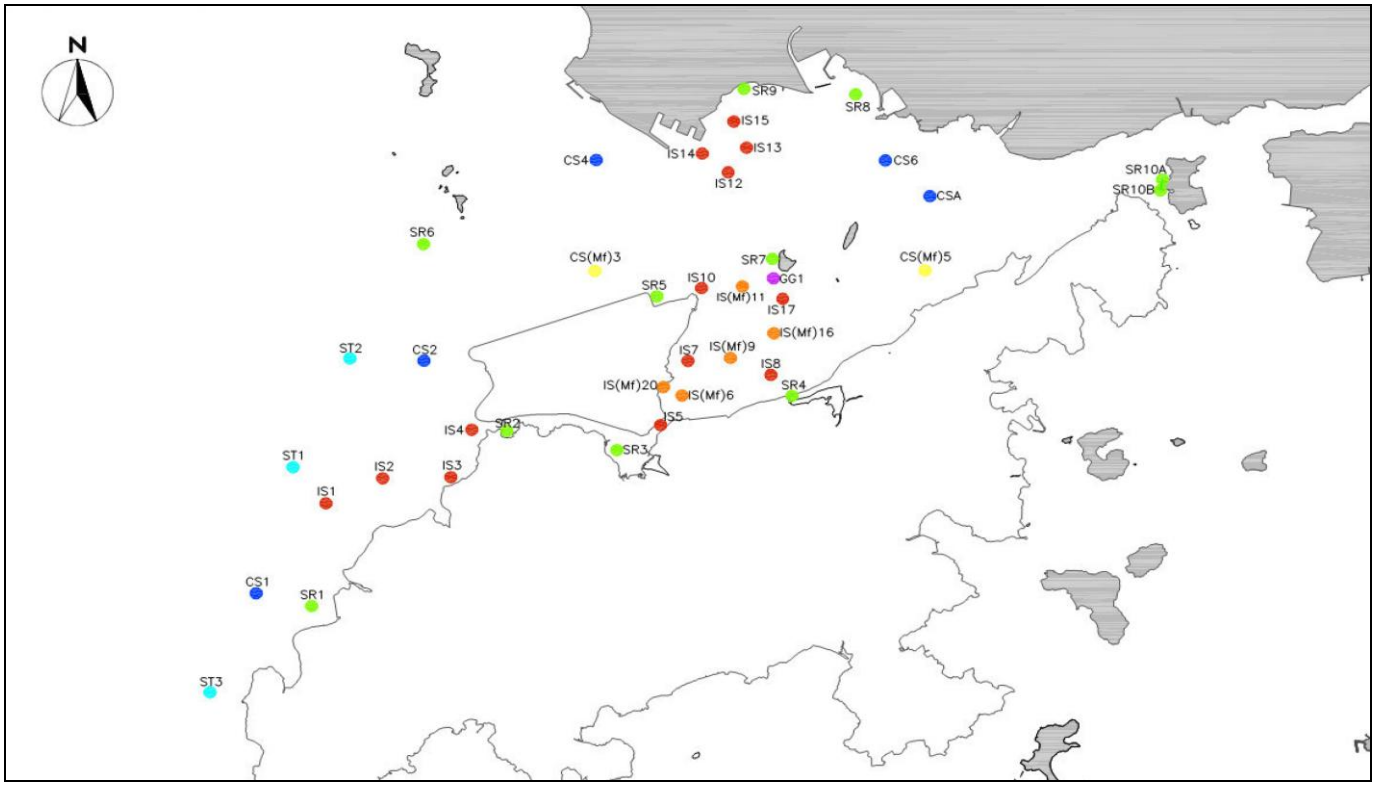
The measured values at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4, SR5, SR10A and SR10B were within the ranges of suspended solid during baseline monitoring for mid-flood tide.

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 : 28 December 2012

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.: 052

Date of Notification: 28 December 2012

Works Inspected: Data collected from water sampling works on 19 December 2012 and the results were issued on 21 December 2012

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: 7.22 x 120% =**8.7** for mid ebb on 19-Dec-2012 AND CS(Mf)5: 3.37 x 120% = **4.0** for mid flood on 19-Dec-2012)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 7.22 x 130% =**9.4** for mid ebb on 19-Dec-2012 AND CS(Mf)5: 3.37 x 130% = **4.4** for mid flood on 19-Dec-2012)	7.9	***8.1***
TURB	IS(Mf)6	DA			***9.5***	***8.3***
TURB	IS7	DA			***13.2***	***12.3***
TURB	IS8	DA			4.5	***6.9***
TURB	IS(Mf)9	DA			4.4	***5.0***
TURB	IS10	DA			5.0	***11.5***
TURB	SR3	DA			6.7	***9.7***
TURB	SR4	DA			4.8	***7.5***
TURB	SR5	DA			4.8	***11.0***

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 19 December 2012, exceedances of LL at stations IS(Mf)6 and IS7 were recorded during mid-ebb tide. Exceedances of LL 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. The rock filling activities were carried within silt curtain as recommended in the EIA Report.
2. The ranges of turbidity 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 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 IS(Mf)6 and IS7 were within the ranges of turbidity during baseline monitoring for mid-ebb tide and the measured values at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4 and SR5 were within the ranges of turbidity during baseline monitoring for mid-flood tide.

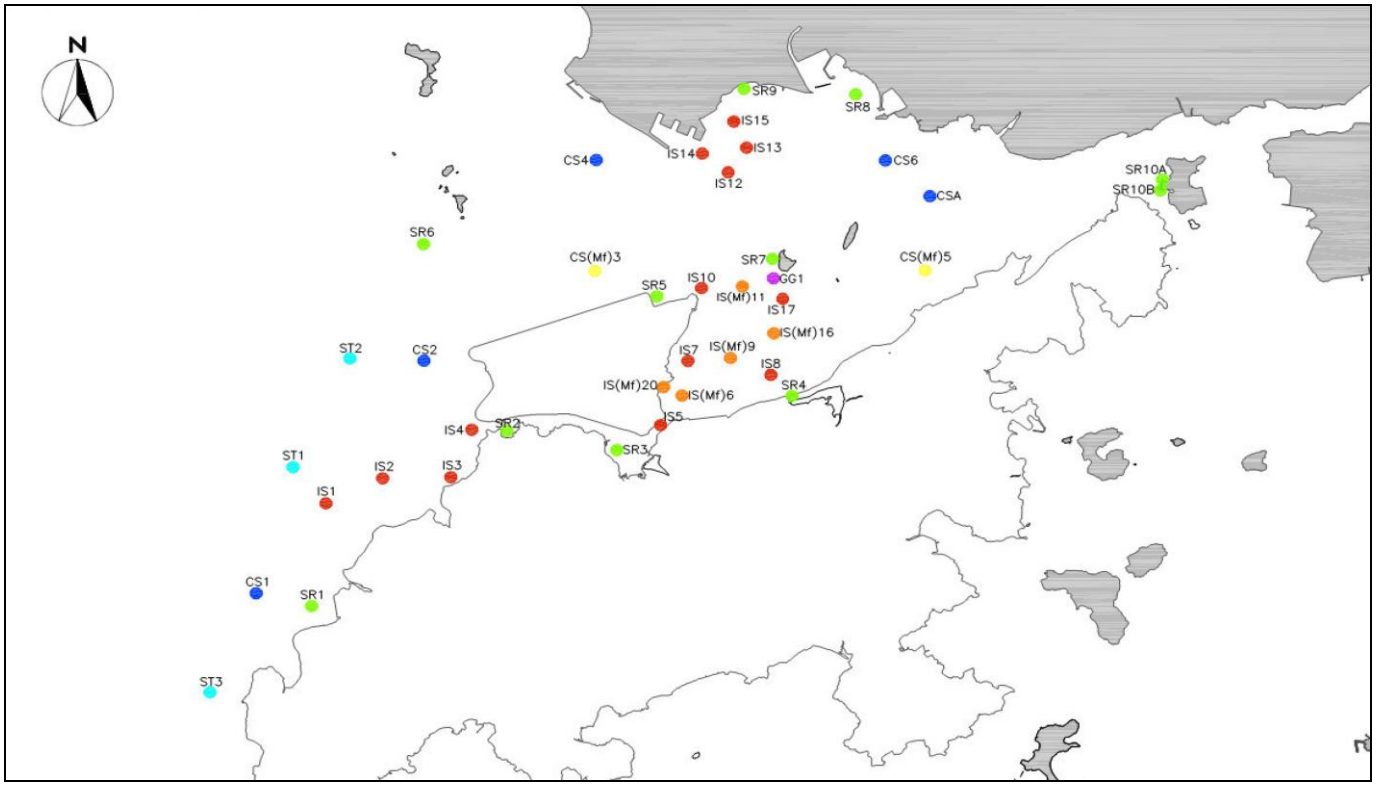
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

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 : 28 December 2012

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.: 053

Date of Notification: 28 December 2012

Works Inspected: Data collected from water sampling works on 19 December 2012 and the test report was issued on 31 December 2012

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: 5.13 x 120% =**6.2** mg/L for mid ebb) AND CS(Mf)5: 5.00 x 120% = **6.0** 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: 5.13 x 130% =**6.7** mg/L for mid ebb) AND CS(Mf)5: 5.00 x 130% = **6.5** mg/L for mid flood)	***11.9***	***15.3***
SS	IS(Mf)6	DA			***15.9***	***13.6***
SS	IS7	DA			***19.5***	***16.1***
SS	IS8	DA			***7.5***	***13.5***
SS	IS(Mf)9	DA			***11.2***	***9.1***
SS	IS10	DA			***14.0***	***17.6***
SS	SR3	DA			***9.5***	***15.2***
SS	SR4	DA			5.8	***9.8***
SS	SR5	DA			***8.3***	***16.9***
SS	SR10A	DA			***8.8***	3.8
SS	SR10B	DA			***6.5***	5.3

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 19 December 2012, an exceedances of AL at station SR10B and exceedances of LL at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9. IS10, SR3, SR5 and SR10A were recorded during mid-ebb tide. An exceedance of LL 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 reasons:

1. The rock filling 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, IS(Mf)9. IS10, SR3, SR4, 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
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
SR10B	3.1	to	30.8	5.7	to	26.7

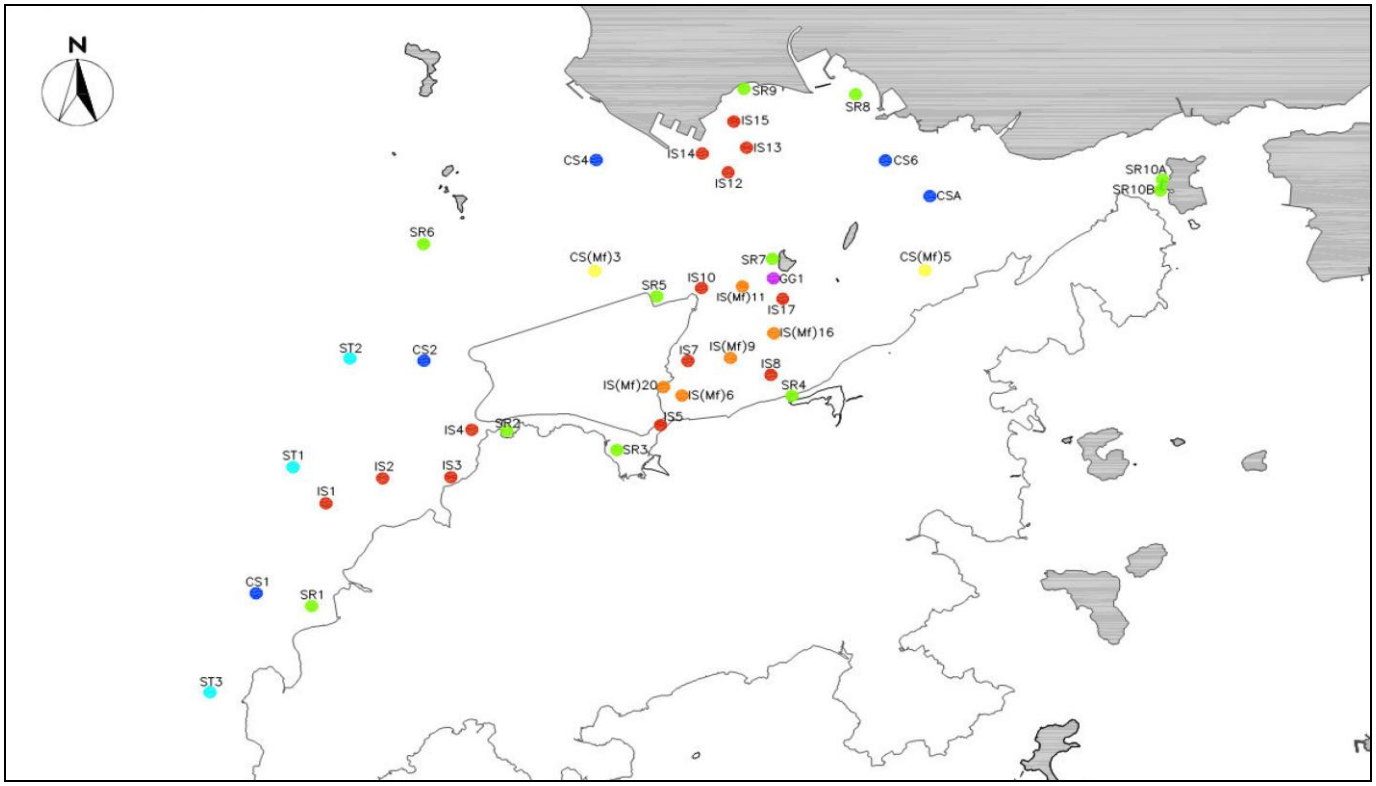
The measured values at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9. IS10, SR3, SR5, SR10A and SR10B were within the range of suspended solid during baseline monitoring for mid-ebb tide and the measured values at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9. IS10, SR3, SR4 and SR5 were within the range of suspended solid during baseline monitoring for mid-flood tide.

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 : 28 December 2012

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.: 054

Date of Notification: 28 December 2012

Works Inspected: Data collected from water sampling works on 21 December 2012 and the results were issued on 24 December 2012

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: 7.12 x 120% =**8.5** for mid ebb AND CS(Mf)5: 2.90 x 120% = **3.5** for mid flood on)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 7.12 x 130% =**9.3** for mid ebb AND CS(Mf)5: 2.90 x 130% = **3.8** for mid flood)	5.2	***8.6***
TURB	IS(Mf)6	DA			***15.3***	***8.2***
TURB	IS7	DA			***9.0***	***6.6***
TURB	IS8	DA			5.8	***3.9***
TURB	IS(Mf)9	DA			5.5	***7.3***
TURB	IS10	DA			2.4	***5.8***
TURB	SR3	DA			5.0	***9.8***
TURB	SR4	DA			5.8	***3.7***

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 21 December 2012, an exceedance of AL at station IS7 and an exceedance of LL at station IS(Mf)6 were recorded during mid-ebb tide. An exceedance of AL at station SR4 and exceedances of LL at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10 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. The rock filling activities were carried within silt curtain as recommended in the EIA Report.
2. The ranges of turbidity 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 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 IS(Mf)6 and IS7 were within the ranges of turbidity during baseline monitoring for mid-ebb tide and the measured values at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3 and SR4 were within the ranges of turbidity 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.

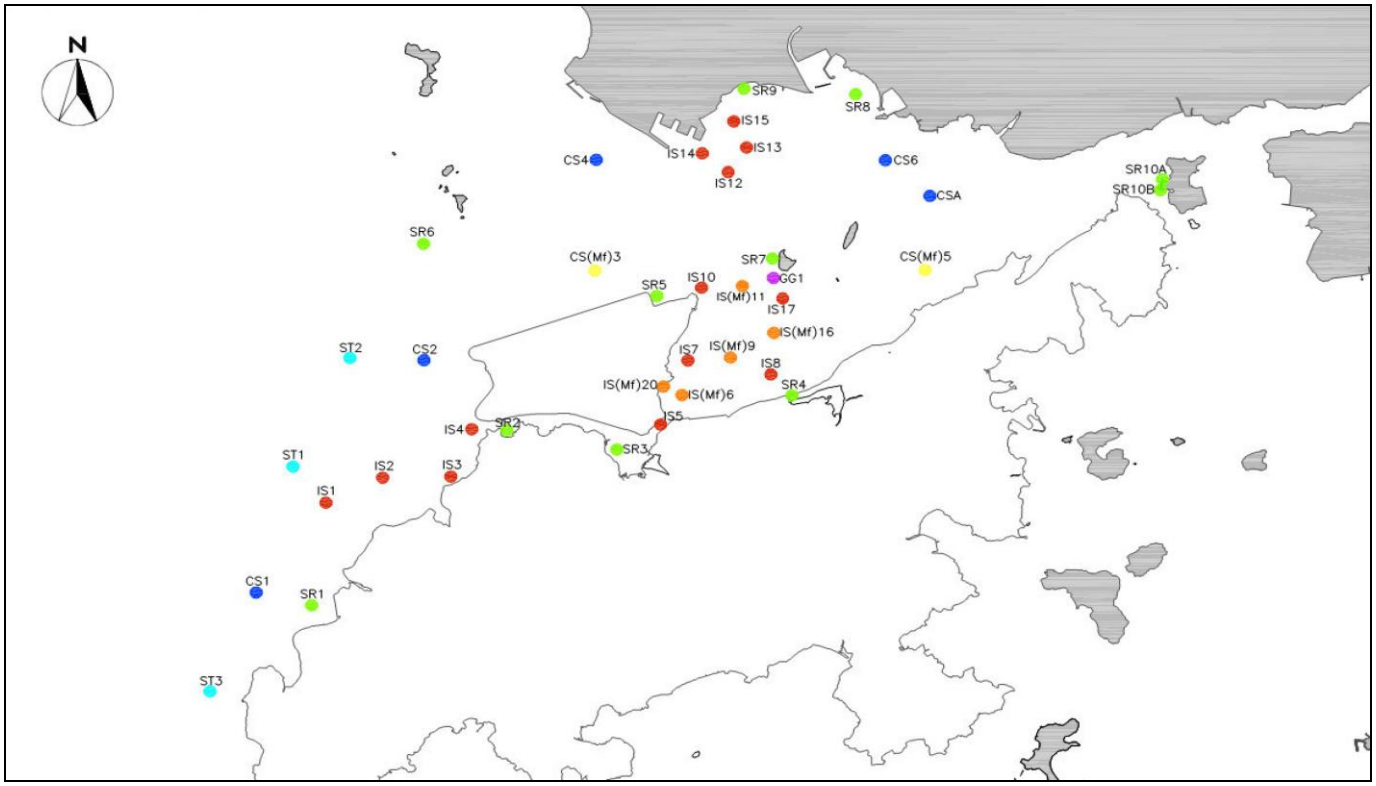
As such, the turbidity levels are considered to be attributed to other external factors such as sea condition, rather than the contract works.

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 : 28 December 2012

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.: 055

Date of Notification: 28 December 2012

Works Inspected: Data collected from water sampling works on 24 December 2012 and the results were issued on 27 December 2012

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: 1.47 x 120% =**1.8** for mid ebb AND CS(Mf)5: 1.62 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: 1.47 x 130% =**1.9** for mid ebb AND CS(Mf)5: 1.62 x 130% = **2.1** for mid flood)	***5.6***	***4.4***
TURB	IS(Mf)6	DA			***3.9***	***10.3***
TURB	IS7	DA			***10.6***	***5.2***
TURB	IS8	DA			***3.6***	***3.4***
TURB	IS(Mf)9	DA			***3.9***	***3.4***
TURB	IS10	DA			***2.1***	1.7
TURB	SR3	DA			***3.0***	***2.4***
TURB	SR4	DA			***3.0***	***3.8***
TURB	SR5	DA			***3.3***	1.1
TURB	SR10B	DA			***1.9***	1.8

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 24 December 2012, an exceedance of AL at station SR10B and exceedances of LL at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3. SR4 and SR5 were recorded during mid-ebb tide. An exceedance of LL 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 reason:

1. No marine works were carried out during monitoring period..
2. The ranges of turbidity at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3. SR4, SR5 and SR10B during the baseline monitoring are 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
SR10B	1.7	to	13.6	1.7	to	13.2

The measured values at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3. SR4, SR5 and SR10B were within the ranges of turbidity during baseline monitoring for mid-ebb tide and the measured values at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, SR3 and SR4 were within the ranges of turbidity during baseline monitoring for mid-flood tide.

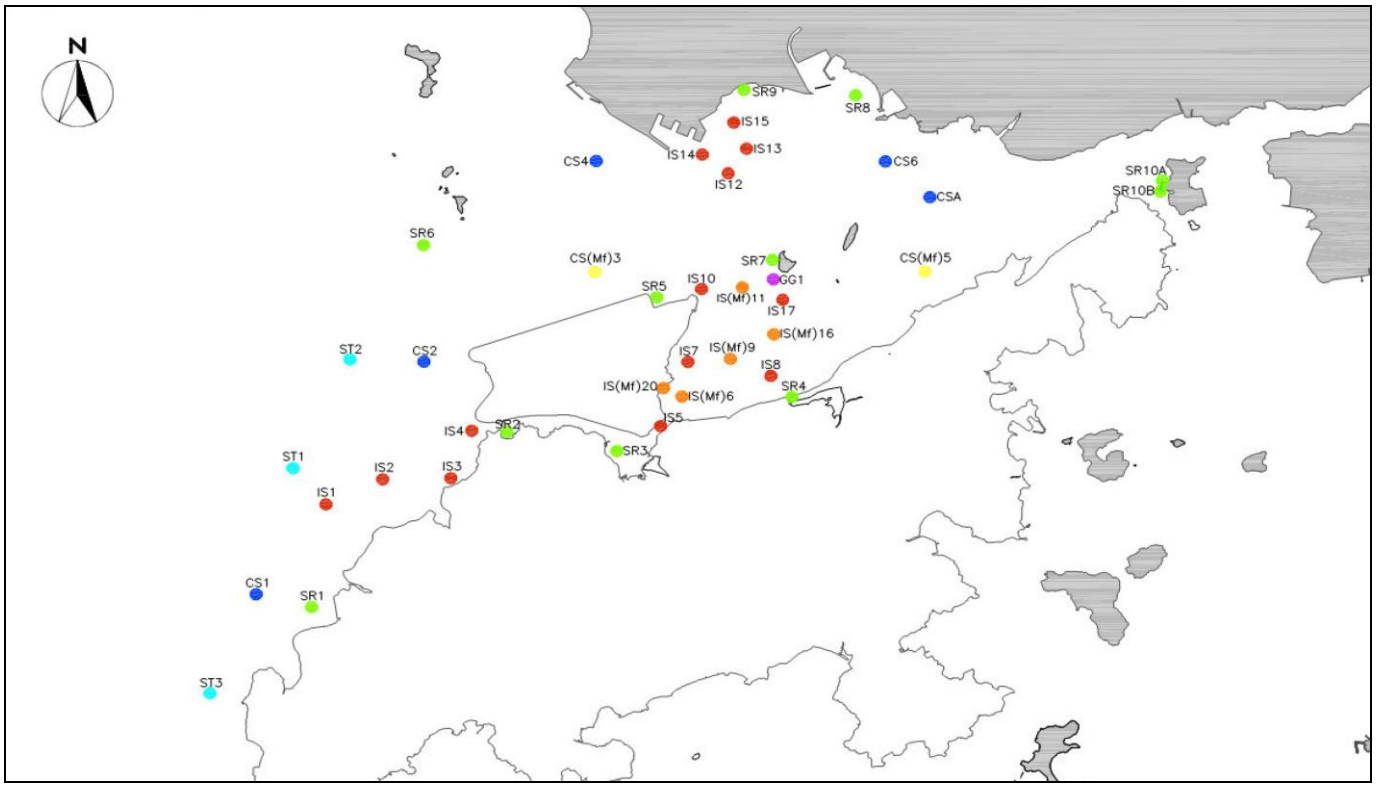
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

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 : 28 December 2012

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.: 056

Date of Notification: 2 January 2013

Works Inspected: Data collected from water sampling works on 26 December 2012 and the results were issued on 28 December 2012

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	IS7	DA	**27.5** or 120% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 8.42 x 120% =**10.1** for mid ebb AND CS(Mf)5: 5.47 x 120% = **6.6** for mid flood)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 8.42 x 130% =**10.9** for mid ebb AND CS(Mf)5: 5.47 x 130% = **7.1** for mid flood)	6.2	***6.7***
TURB	IS8	DA			6.0	***10.4***
TURB	SR4	DA			7.5	***10.9***

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 26 December 2012, an exceedance of AL at station IS7 and exceedances of LL at stations IS8 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. The rock filling activities were carried within silt curtain as recommended in the EIA Report.
2. The ranges of turbidity at stations IS7, IS8 and SR4 during the baseline monitoring are shown as below:

Station	Range of Turbidity(NTU) Mid-Ebb Tide			Range of Turbidity(NTU) Mid-Flood Tide		
IS7	3.4	to	20	5	to	19.4
IS8	4	to	12.2	4.5	to	24.5
SR4	5.2	to	18.9	5	to	20.6

The measured values at stations IS7, IS8 and SR4 were within the ranges of turbidity for mid-flood tide during baseline monitoring.

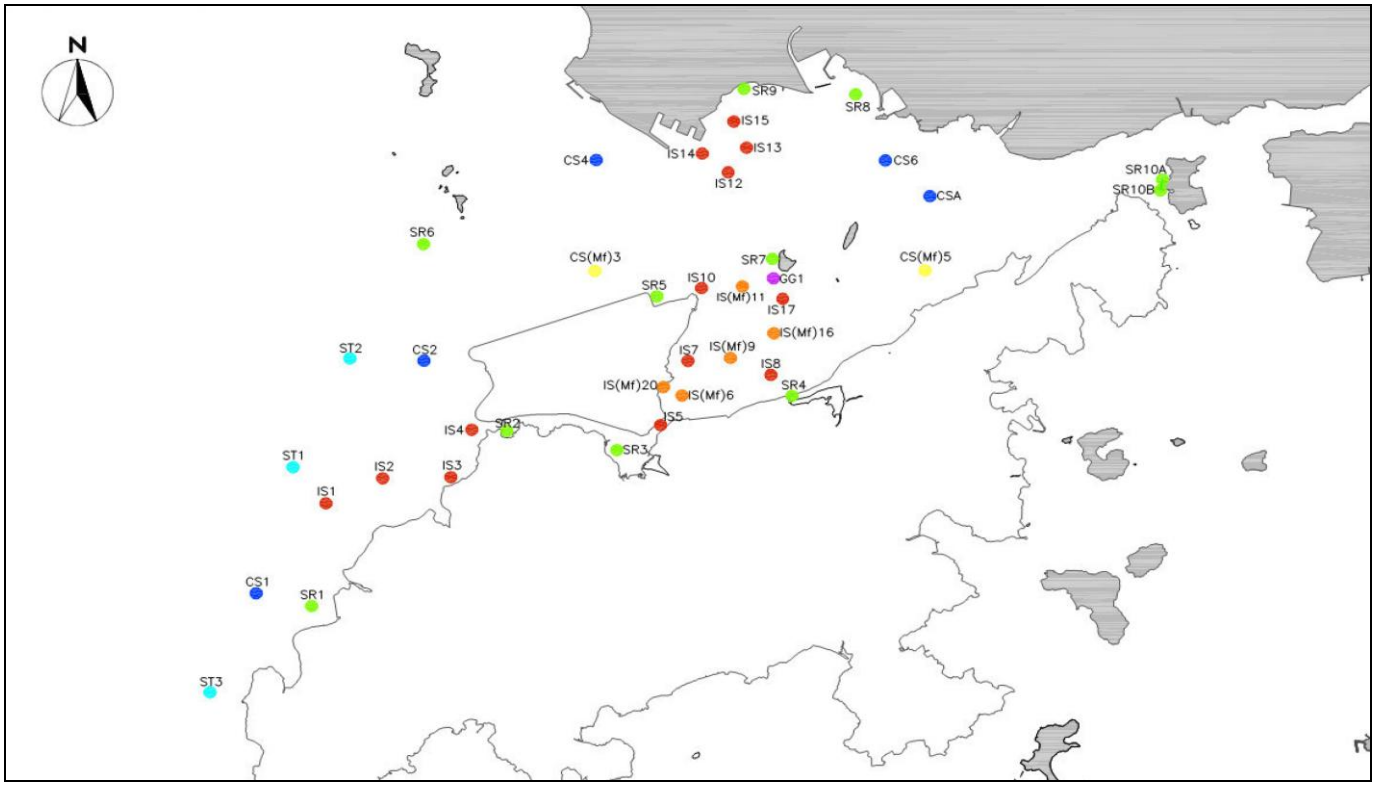
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

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 January 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.: 057

Date of Notification: 4 January 2013

Works Inspected: Data collected from water sampling works on 28 December 2012 and the results were issued on 31 December 2012

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: 7.90 x 120% =**9.5** for mid ebb AND CS(Mf)5: 10.93 x 120% = **13.1** for mid flood)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 7.90 x 130% =**10.3** for mid ebb AND CS(Mf)5: 10.93 x 130% = **14.2** for mid flood)	***10.5***	11.8

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 28 December 2012, an exceedance of AL at station IS(Mf)6 was recorded during mid-flood tide. The exceedance has been investigated and are considered unlikely to be related to contract works due to the following reason:

1. The rock filling activities were carried within silt curtain as recommended in the EIA Report.
2. The ranges of turbidity at station IS(Mf)6 during the baseline monitoring are 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

The measured values at station IS(Mf)6 was within the ranges of turbidity for mid-ebb tide during baseline monitoring.

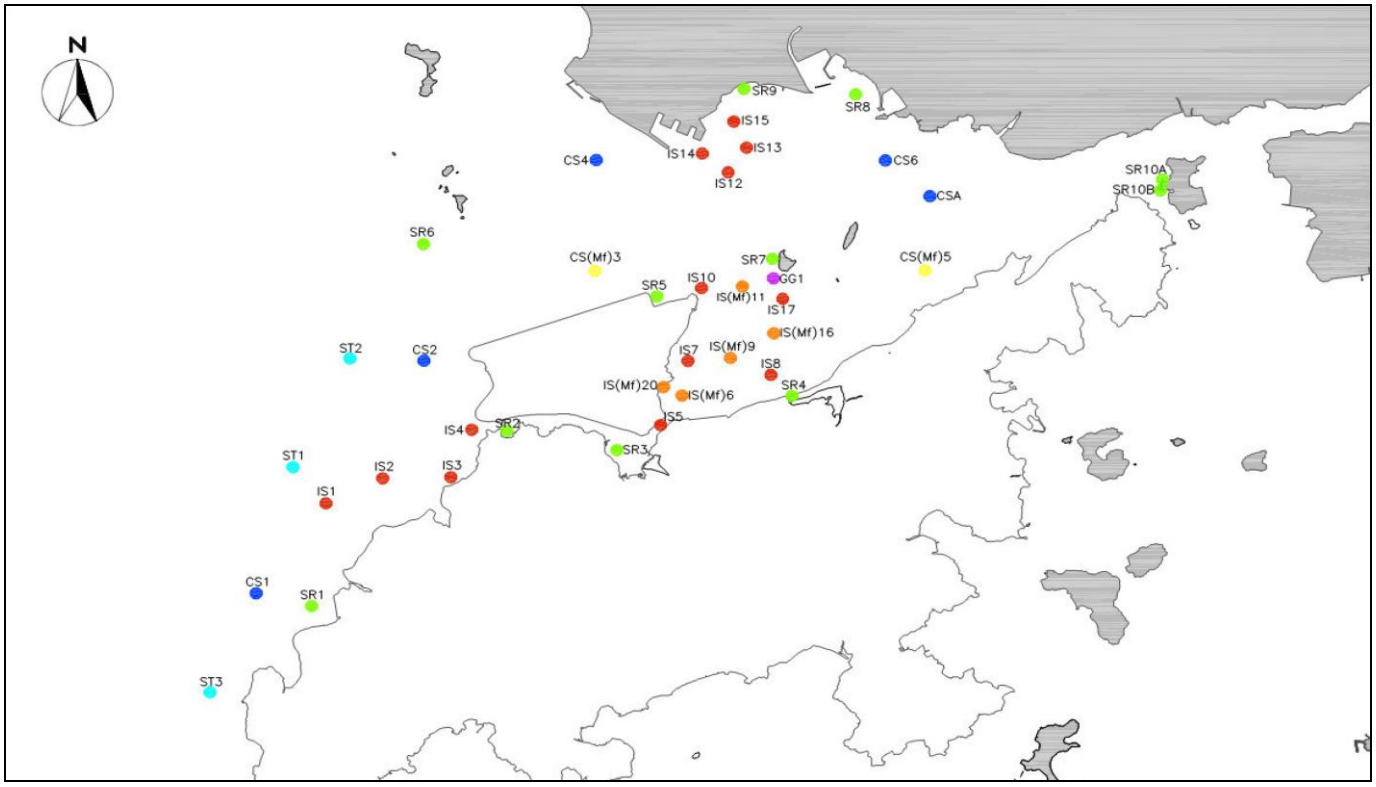
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

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 : 4 January 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.: 058

Date of Notification: 4 January 2013

Works Inspected: Data collected from water sampling works on 21 December 2012 and the test report was issued on 2 January 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: 9.08 x 120% =**10.9** mg/L for mid ebb) AND CS(Mf)5: 5.13 x 120% = **6.2** 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: 9.08 x 130% =**11.8** mg/L for mid ebb) AND CS(Mf)5: 5.13 x 130% = **6.7** mg/L for mid flood)	8.6	***18.5***
SS	IS(Mf)6	DA			***17.2***	***13.8***
SS	IS7	DA			***12.3***	***9.4***
SS	IS8	DA			8.4	***7.9***
SS	IS(Mf)9	DA			7.4	***10.0***
SS	SR3	DA			10.3	***18.8***
SS	SR4	DA			***11.2***	***7.4***
SS	SR10A	DA			5.7	***6.3***

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 21 December 2012, an exceedance of AL at station SR4 and exceedances of LL at stations IS(Mf)6 and IS7 were recorded during mid-ebb tide. An exceedance of AL exceedance at station SR10A and exceedances of LL 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. The rock filling 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, IS(Mf)9. SR3, SR4 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
SR3	6.7	to	31	7.6	to	28
SR4	5.3	to	20	5.6	to	24.5
SR10A	3.6	to	17	4.8	to	19.2

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

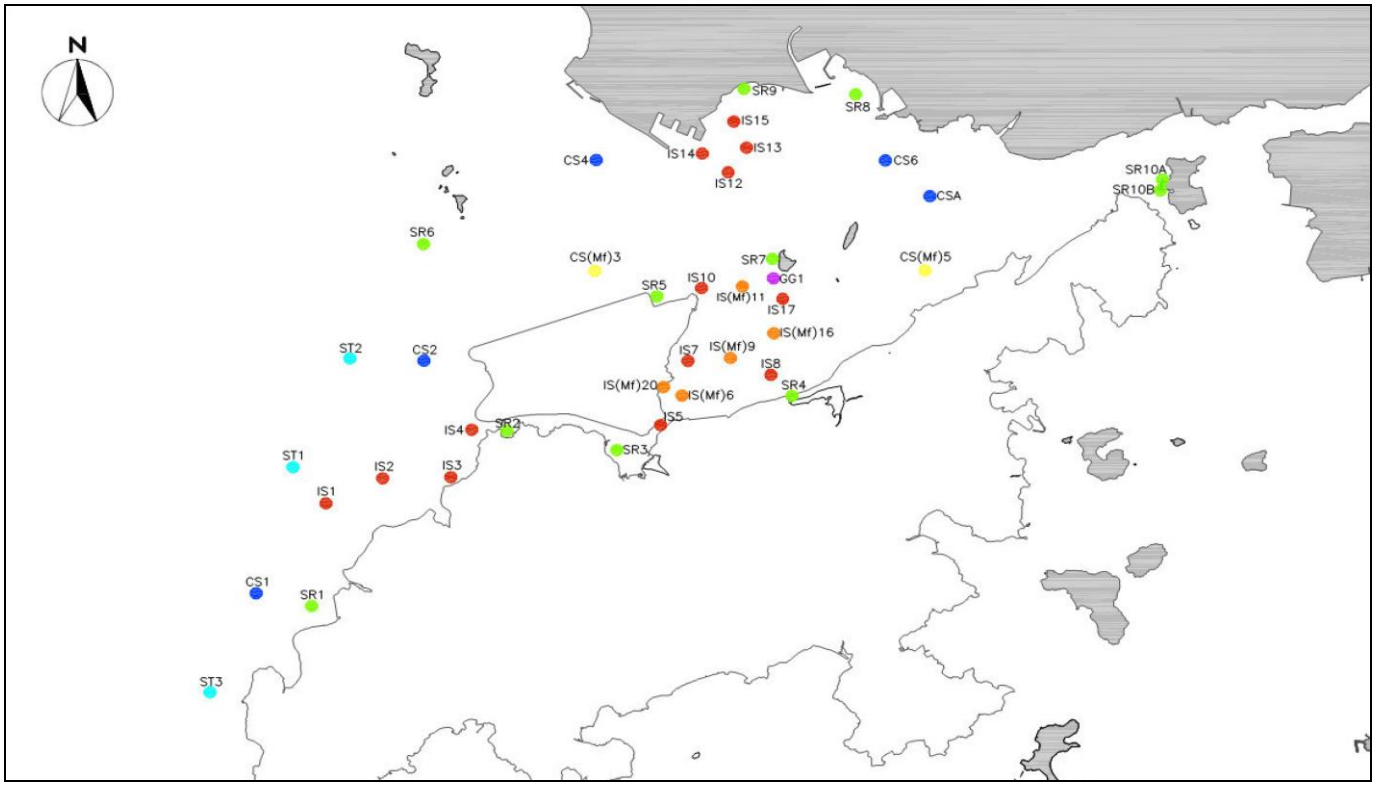
As such, the suspended solid levels are considered to be attributed to other external factors, rather than the contract works.

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 : 4 January 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.: 059

Date of Notification: 4 January 2013

Works Inspected: Data collected from water sampling works on 24 December 2012 and the test report was issued on 3 January 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: 4.23 x 120% =**5.1** mg/L for mid ebb) AND CS(Mf)5: 3.72 x 120% = **4.5** 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: 4.23 x 130% =**5.5** mg/L for mid ebb) AND CS(Mf)5: 3.72 x 130% = **4.8** mg/L for mid flood)	4.3	***6.9***
SS	IS(Mf)6	DA			3.3	***9.8***
SS	IS7	DA			***15.5***	***6.7***
SS	IS8	DA			***5.2***	3.4
SS	IS(Mf)9	DA			4.9	***8.7***
SS	IS10	DA			***5.8***	***4.8***
SS	SR3	DA			4.1	***5.9***
SS	SR5	DA			***8.3***	3.3
SS	SR10B	DA			***5.2***	***5.3***

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 24 December 2012, an exceedances of AL at station IS8 and SR10B and exceedances of LL at stations IS7, IS10 and SR5 were recorded during mid-ebb tide. An exceedance of AL exceedance at station IS10 and exceedances of LL at stations IS5, IS(Mf)6, IS7, IS(Mf)9. SR3 and SR10B 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. No marine works were carried out during monitoring period.
2. The ranges of suspended solid at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9. IS10, SR3, 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
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
SR10B	3.1	to	30.8	5.7	to	26.7

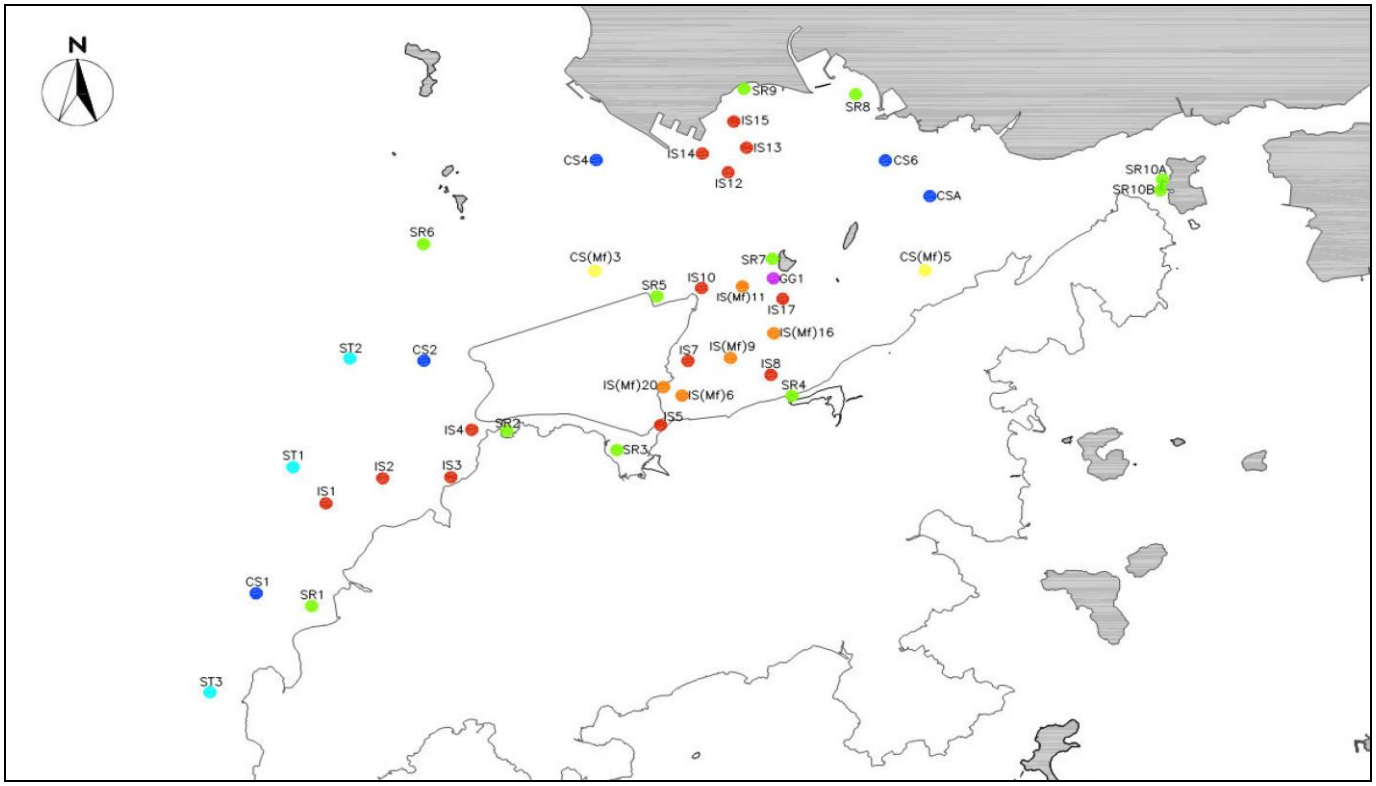
The measured values at stations IS(Mf)6, IS7 and SR4 were within the range of suspended solid during baseline monitoring for mid-ebb tide and the measured values at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9. SR3, SR4 and SR10A were within the range of suspended solid during baseline monitoring for mid-flood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

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 : 4 January 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.: 060a

Date of Notification: 10 January 2013

Works Inspected: Data collected from water sampling works on 26 December 2012 and the test report was issued on 3 January 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** or 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 11.23 x 120% =**13.5** mg/L for mid ebb) AND CS(Mf)5: 9.30 x 120% = **11.2** 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: 11.23 x 130% =**14.6** mg/L for mid ebb) AND CS(Mf)5: 9.30 x 130% = **12.1** mg/L for mid flood)	8.5	***11.4***
SS	IS(Mf)9	DA			7.7	***12.3***
SS	SR4	DA			10.1	***13.9***
SS	SR5	DA			10.5	***11.9***

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 26 December 2012, an exceedance of AL exceedances at stations IS8 and SR5 and exceedances of LL at stations IS(Mf)9 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. The rock filling activities were carried within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at stations IS8, IS(Mf)9. 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		
IS8	5.5	to	25.5	5.8	to	31.3
IS(Mf)9	5.5	to	20.1	7.3	to	26
SR4	5.3	to	20	5.6	to	24.5
SR5	6.7	to	16.5	6.5	to	31.2

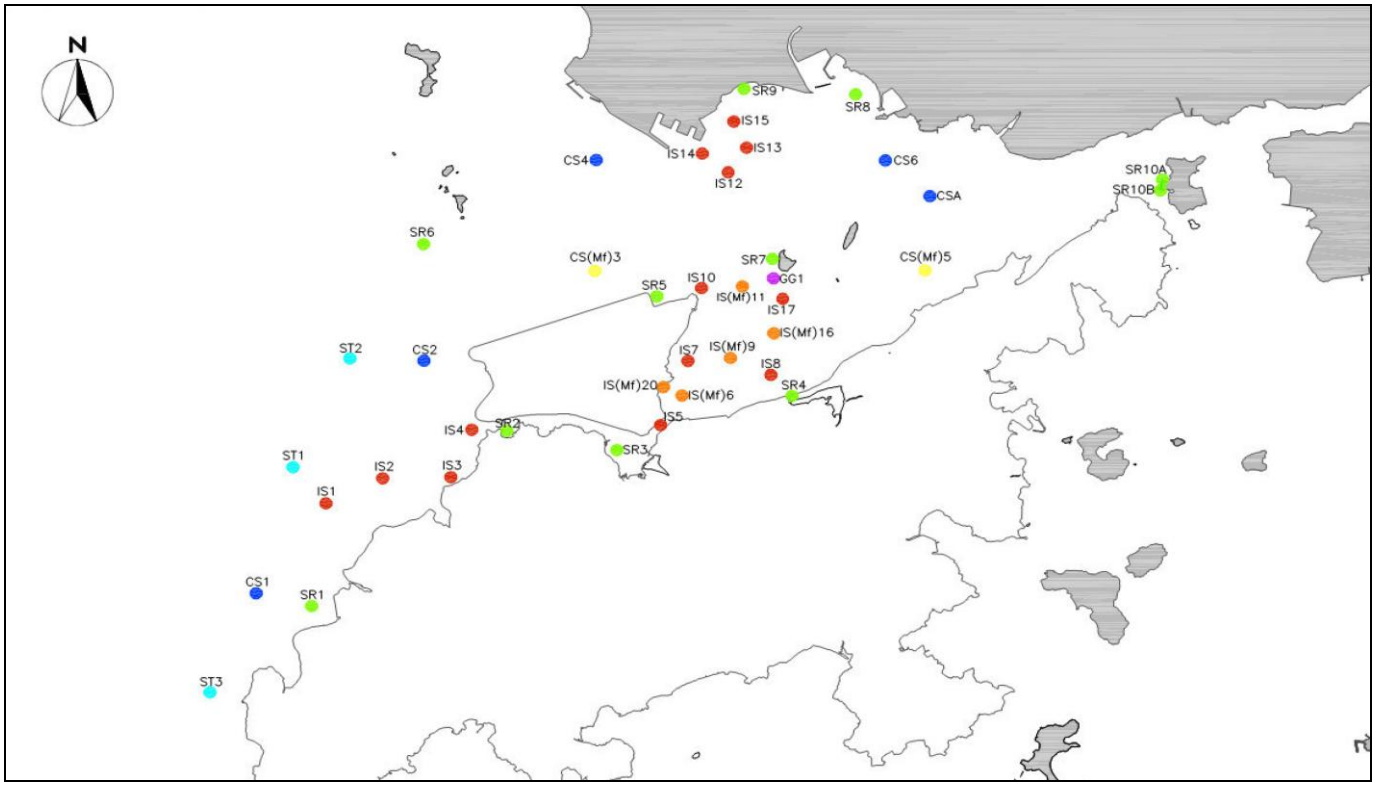
The measured values at stations IS8, IS(Mf)9. SR4 and SR5 were within the range of suspended solid during baseline monitoring for mid-flood tide.

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 : 10 January 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.: 061

Date of Notification: 10 January 2013

Works Inspected: Data collected from water sampling works on 28 December 2012 and the test report was issued on 7 January 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: 12.65 x 120% =**15.2** mg/L for mid ebb) AND CS(Mf)5: 10.33 x 120% = **12.4** 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: 12.65 x 130% =**16.4** mg/L for mid ebb) AND CS(Mf)5: 10.33 x 130% = **13.4** mg/L for mid flood)	8.9	***13.3***

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 28 December 2012, an exceedance of AL exceedance at station IS(Mf)6 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 rock filling activities were carried within silt curtain as recommended in the EIA Report.
2. The range of suspended solid at station IS(Mf)6 during the baseline monitoring is shown as below.

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

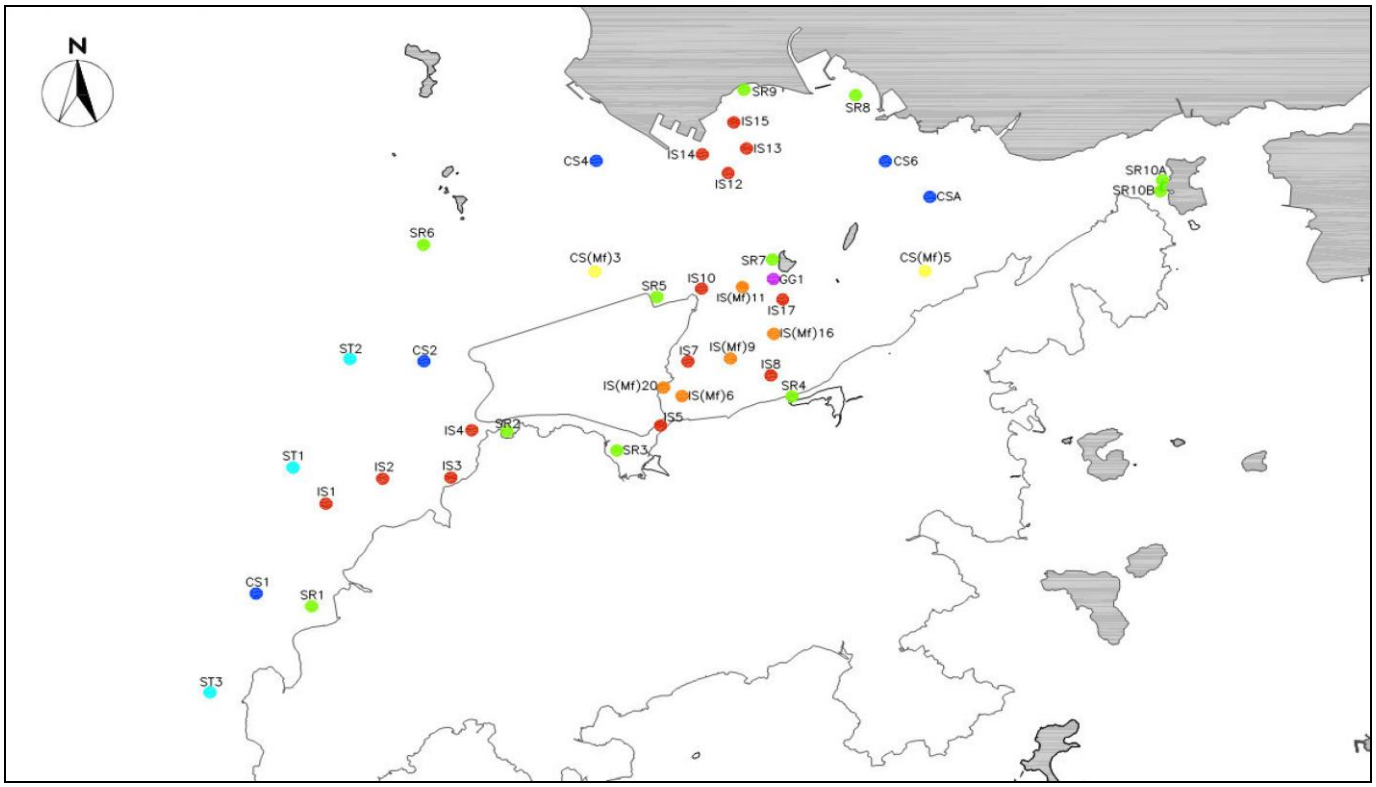
The measured value at station IS(Mf)6 was within the range of suspended solid during baseline monitoring for mid-flood tide.

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

Actions taken/ to be taken:

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

Location Plan:



Reviewed by : Claudine Lee Title : ET Leader

Date : 10 January 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.: 062

Date of Notification: 10 January 2013

Works Inspected: Data collected from water sampling works on 31 December 2012 and the results were issued on 3 January 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	IS8	DA	**27.5** or 120% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 11.18 x 120% =**13.4** for mid ebb AND CS(Mf)5: 6.93 x 120% = **8.3** for mid flood)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 11.18 x 130% =**14.5** for mid ebb AND CS(Mf)5: 6.93 x 130% = **9.0** for mid flood)	6.6	***13.2***
TURB	IS(Mf)9	DA			8.5	***14.5***
TURB	IS10	DA			3.8	***8.4***
TURB	SR4	DA			7.4	***10.4***
TURB	SR5	DA			3.1	***10.2***

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 31 December 2012, an exceedance of AL at station IS10 and exceedances of LL at stations IS8, IS(Mf)9, 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. The rock filling activities were carried within silt curtain as recommended in the EIA Report.
2. The ranges of turbidity at stations IS8, IS(Mf)9, IS10, SR4 and SR5 during the baseline monitoring are shown as below:

Station	Range of Turbidity(NTU) Mid-Ebb Tide			Range of Turbidity(NTU) Mid-Flood Tide		
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
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 IS8, IS(Mf)9, IS10, SR4 and SR5 were within the ranges of turbidity for mid-flood tide during baseline monitoring.

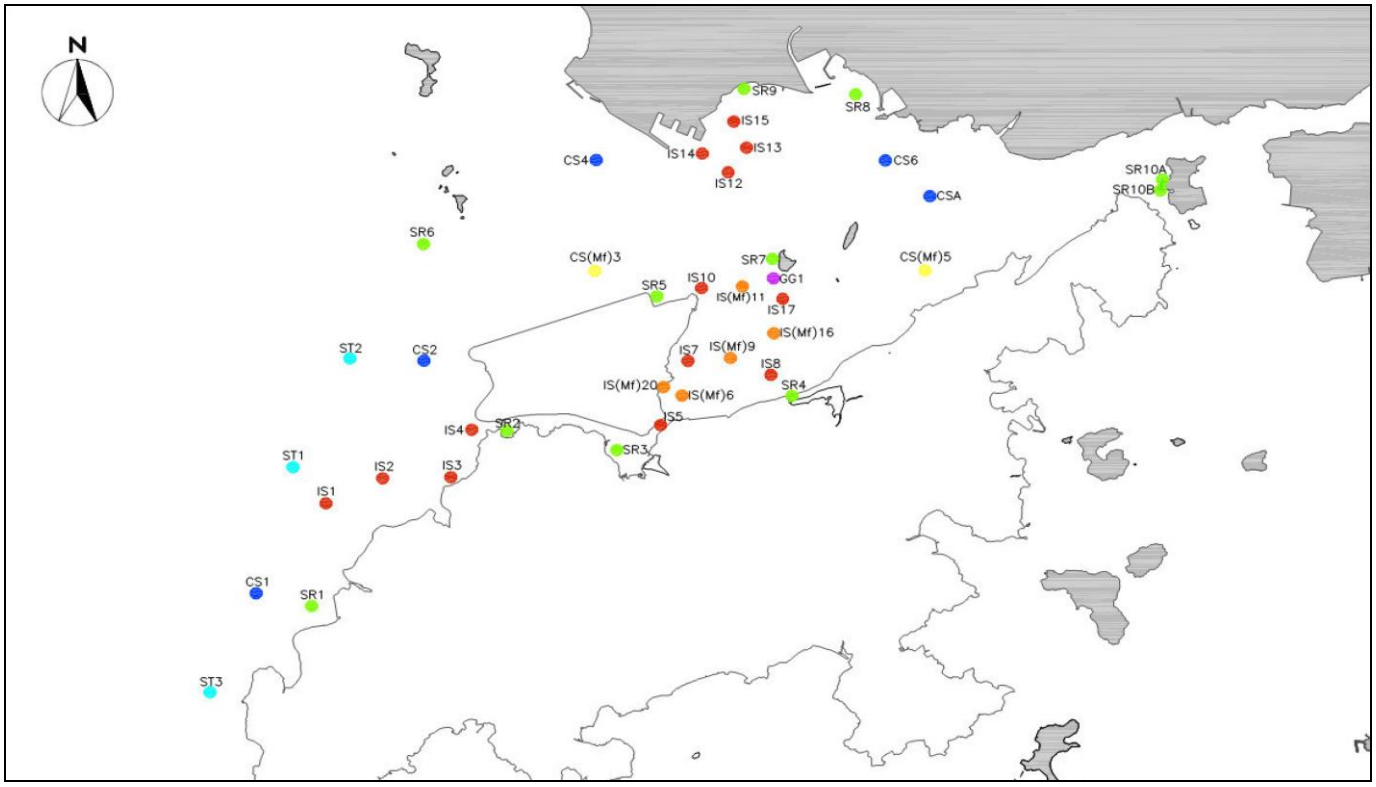
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

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 : 10 January 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.: 063

Date of Notification: 10 January 2013

Works Inspected: Data collected from water sampling works on 31 December 2012 and the test report was issued on 8 January 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: 25.00 x 120% =**30.0** mg/L for mid ebb) AND CS(Mf)5: 4.53 x 120% = **5.4** 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: 25.00 x 130% =**32.5** mg/L for mid ebb) AND CS(Mf)5: 4.53 x 130% = **5.9** mg/L for mid flood)	6.1	***7.4***
SS	IS(Mf)6	DA			9.4	***12.6***
SS	IS7	DA			11.0	***10.8***
SS	IS8	DA			9.3	***18.5***
SS	IS(Mf)9	DA			9.8	***16.6***
SS	IS10	DA			9.3	***13.8***
SS	SR3	DA			15.1	***8.2***
SS	SR4	DA			12.6	***15.3***
SS	SR5	DA			7.6	***20.6***
SS	SR10A	DA			5.6	***8.4***
SS	SR10B	DA			7.3	***11.1***

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 31 December 2012, exceedances of LL exceedance at station IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4, SR5, SR10A and SR10B 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 rock filling 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, IS(Mf)9, IS10, SR3, SR4, 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
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
SR10B	3.1	to	30.8	5.7	to	26.7

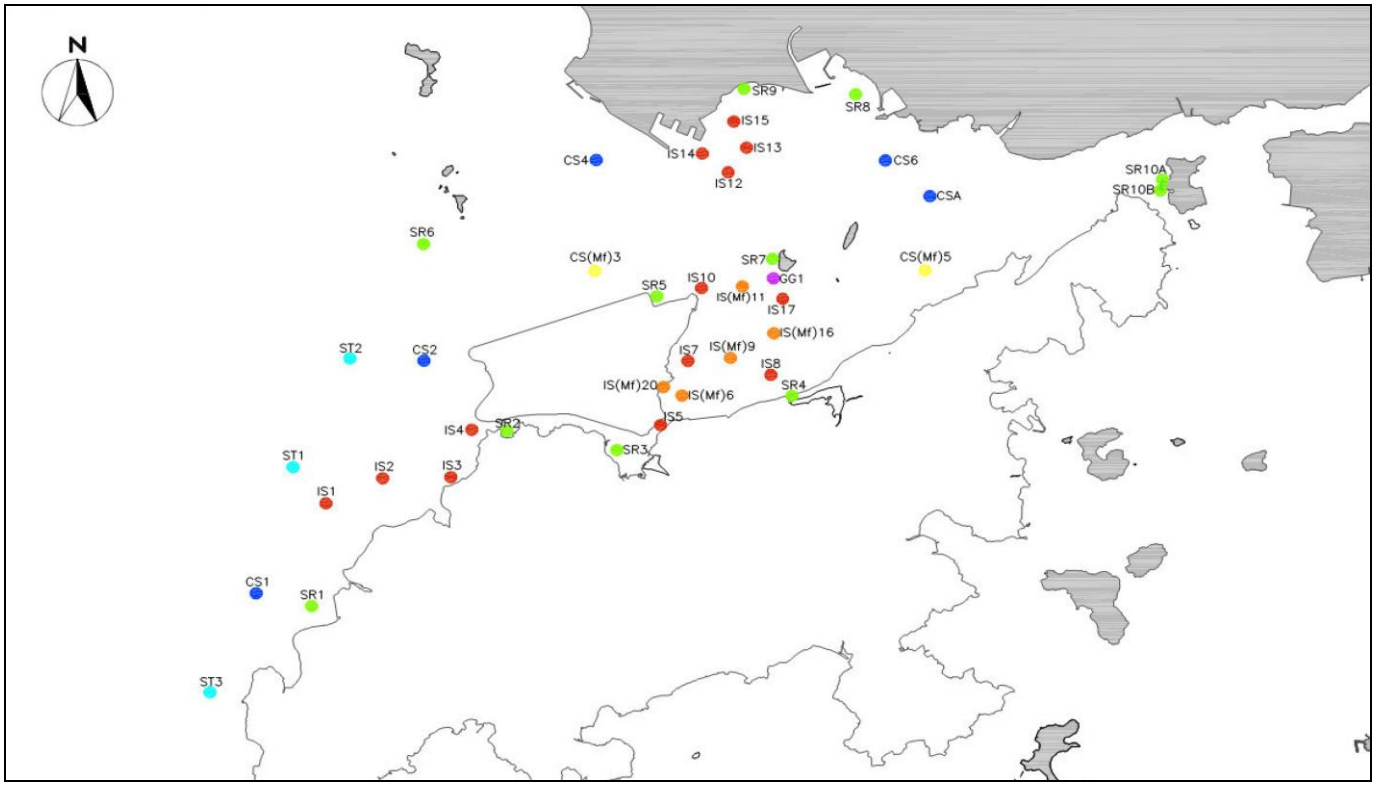
The measured values at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4, SR5, SR10A and SR10B were within the ranges of suspended solid during baseline monitoring for mid-flood tide.

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 : 10 January 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.: 064

Date of Notification: 15 January 2013

Works Inspected: Data collected from water sampling works on 2 January 2013 and the results were issued on 4 January 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	IS10	DA	**27.5** or 120% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 7.62 x 120% =**9.1** for mid ebb AND CS(Mf)5: 8.67 x 120% = **10.4** for mid flood)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 7.62 x 130% =**9.9** for mid ebb AND CS(Mf)5: 8.67 x 130% = **11.3** for mid flood)	2.3	***11.3***

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 2 January 2013, an exceedance of AL at station IS10 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 reason:

1. The rock filling activities were carried within silt curtain as recommended in the EIA Report.
2. The range of turbidity at stations IS10 during the baseline monitoring is shown as below:

Station	Range of Turbidity(NTU) Mid-Ebb Tide			Range of Turbidity(NTU) Mid-Flood Tide		
IS10	6.7	to	14.7	8.4	to	20.8

The measured value at station IS10 was within the range of turbidity for mid-flood tide during baseline monitoring.

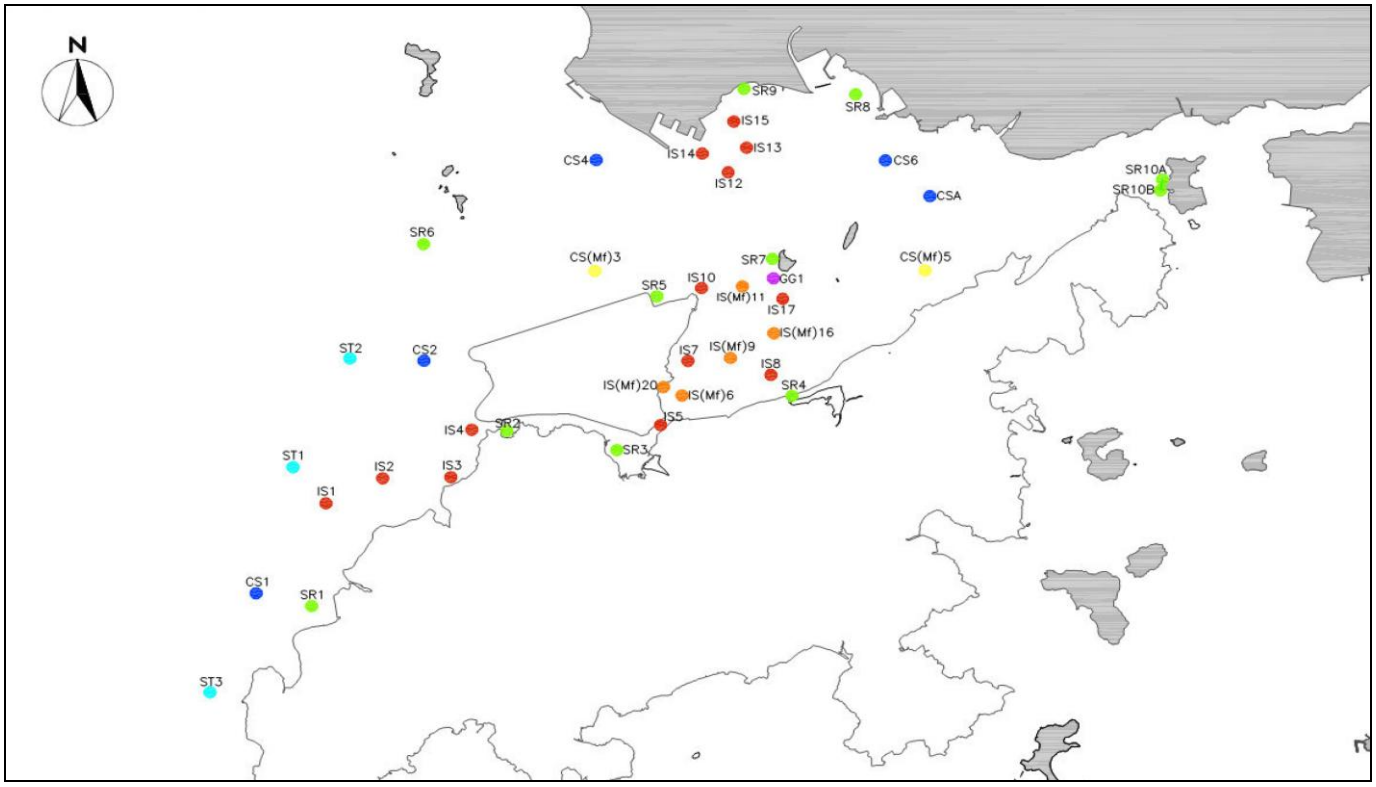
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

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

Actions taken/ to be taken:

As the 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 : 15 January 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.: 065

Date of Notification: 15 January 2013

Works Inspected: Data collected from water sampling works on 4 January 2013 and the results were issued on 7 January 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: 4.25 x 120% =**5.1** for mid ebb AND CS(Mf)5: 3.28 x 120% = **3.9** for mid flood)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 4.25 x 130% =**5.5** for mid ebb AND CS(Mf)5: 3.28 x 130% = **4.3** for mid flood)	***5.3***	***4.3***
TURB	IS(Mf)6	DA			***5.9***	***4.1***
TURB	IS7	DA			3.6	***6.6***
TURB	IS(Mf)9	DA			3.8	***4.8***
TURB	SR3	DA			5.0	***5.7***

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 4 January 2013, an exceedance of AL at station IS5 and an exceedance of LL at station IS(Mf)6 were recorded during mid-ebb tide. Exceedances of AL at station IS5 and IS(Mf)6 and exceedances of LL at stations IS7, IS(Mf)9 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. The rock filling activities were carried within silt curtain as recommended in the EIA Report.
2. The range of turbidity at stations IS5, IS(Mf)6, IS7, IS(Mf)9 and SR3 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
IS(Mf)9	2.7	to	17	3.4	to	22.6
SR3	4.6	to	65.7	7.7	to	19.7

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

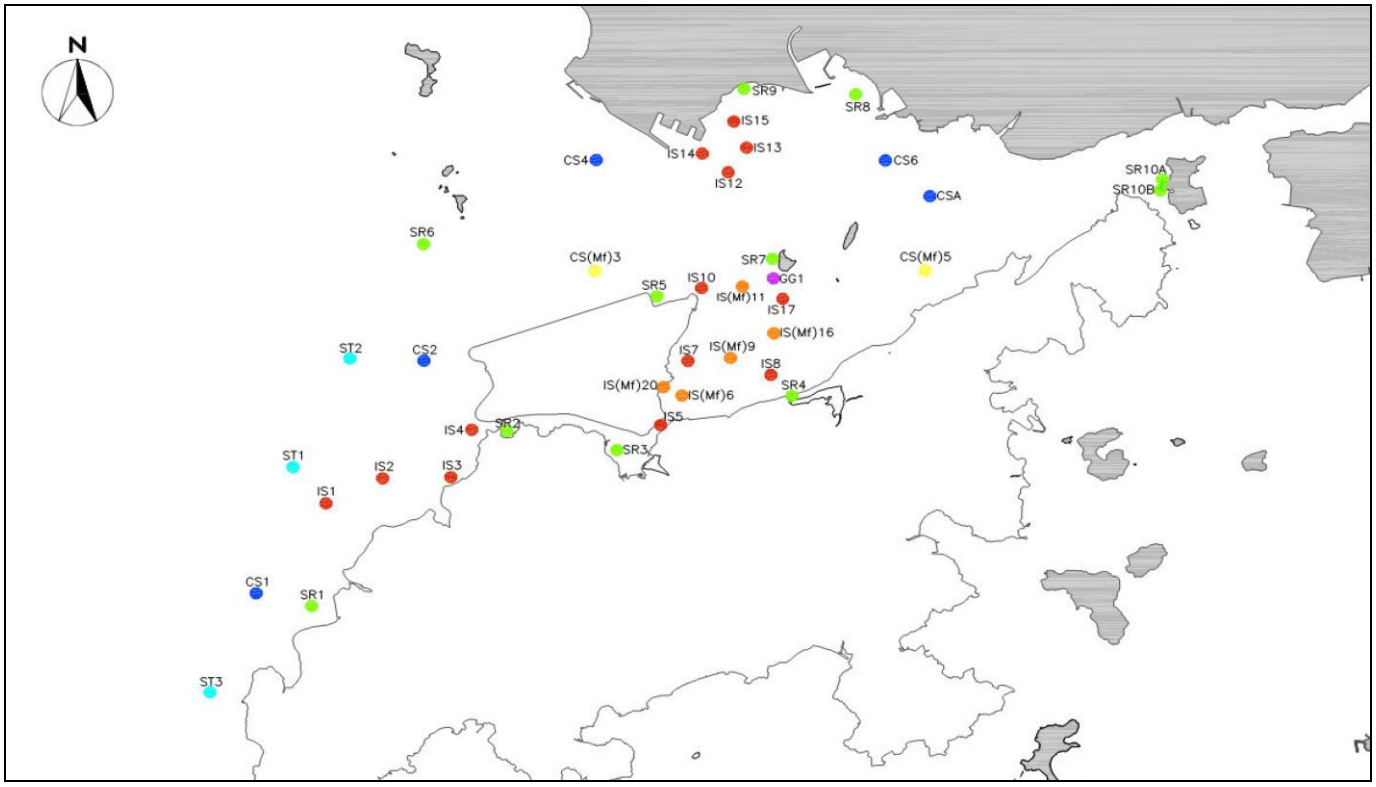
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

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 : 15 January 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.: 066

Date of Notification: 15 January 2013

Works Inspected: Data collected from water sampling works on 7 January 2013 and the results were issued on 9 January 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: 3.42 x 120% =**4.1** for mid ebb AND CS(Mf)5: 3.50 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: 3.42 x 130% =**4.4** for mid ebb AND CS(Mf)5: 3.50 x 130% = **4.6** for mid flood)	***4.7***	4.2
TURB	IS(Mf)6	DA			***4.5***	***7.9***
TURB	IS7	DA			***4.7***	***8.8***
TURB	IS(Mf)9	DA			***4.4***	3.6
TURB	SR3	DA			***4.5***	4.1

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 7 January 2013, an exceedance of AL at station IS(Mf)9 and exceedances of LL at station IS5, IS(Mf)6, IS7 and SR3 were recorded during mid-ebb tide. Exceedances of LL at stations IS(Mf)6 and IS7 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. The rock filling activities were carried within silt curtain as recommended in the EIA Report.
2. The range of turbidity at stations IS5, IS(Mf)6, IS7, IS(Mf)9 and SR3 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
IS(Mf)9	2.7	to	17	3.4	to	22.6
SR3	4.6	to	65.7	7.7	to	19.7

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

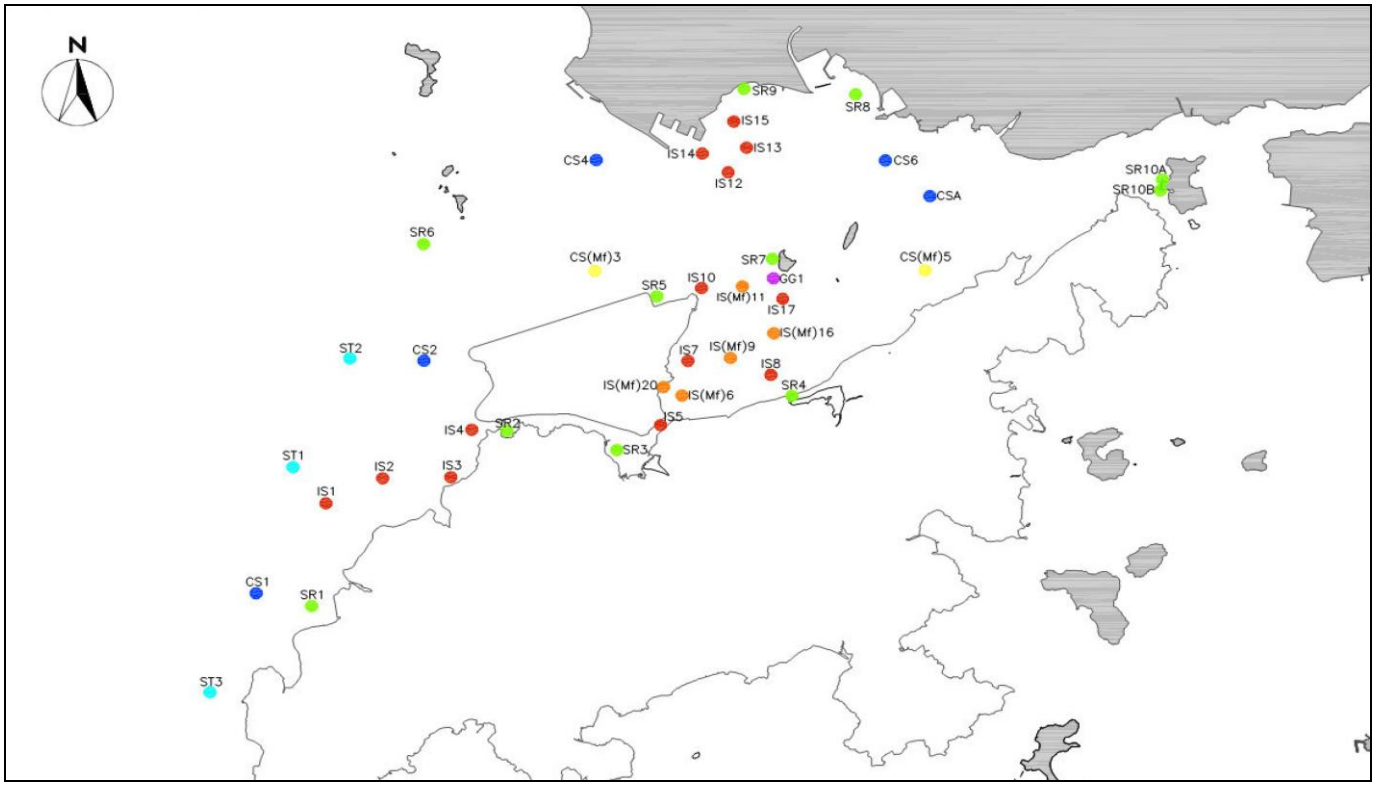
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

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 : 15 January 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.: 067

Date of Notification: 15 January 2013

Works Inspected: Data collected from water sampling works on 2 January 2013 and the test report was issued on 9 January 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: 16.73 x 120% =**20.1** mg/L for mid ebb) AND CS(Mf)5: 6.78 x 120% = **8.1** 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: 16.73 x 130% =**21.8** mg/L for mid ebb) AND CS(Mf)5: 6.78 x 130% = **8.8** mg/L for mid flood)	8.6	***9.4***
SS	IS7	DA			6.5	***8.5***
SS	IS10	DA			10.1	***24.9***
SS	SR5	DA			9.4	***10.5***
SS	SR10B	DA			5.7	***11.6***

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 2 January 2013, an exceedances of AL at station IS7 and exceedances of LL at stations IS5, IS10, SR5 and SR10B 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 rock filling activities were carried within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at stations IS5, IS7, IS10, 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
IS7	6.1	to	21	7.8	to	34
IS10	6.1	to	20.2	7.2	to	16
SR5	6.7	to	16.5	6.5	to	31.2
SR10B	3.1	to	30.8	5.7	to	26.7

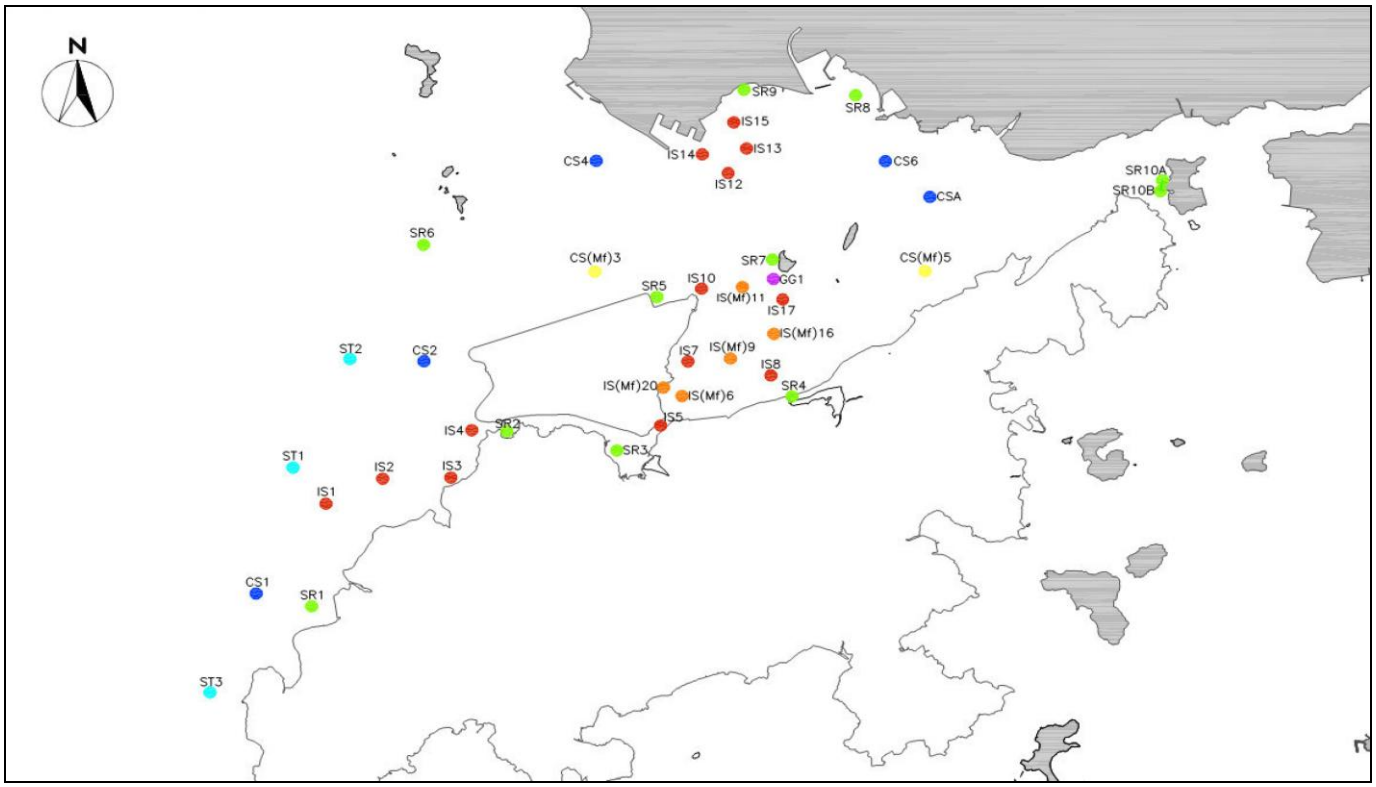
The measured values at stations IS5, IS7, SR5 and SR10B were within the ranges of suspended solid during baseline monitoring for mid-flood tide. The monitoring station IS10 is far away of the contact marine works (about 1km).

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 January 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.: 068

Date of Notification: 15 January 2013

Works Inspected: Data collected from water sampling works on 4 January 2013 and the test report was issued on 11 January 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: 10.67 x 120% =**12.8** 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: 10.67 x 130% =**13.9** mg/L for mid ebb) AND CS(Mf)5: 3.65 x 130% = **4.7** mg/L for mid flood)	11.9	***8.5***
SS	IS(Mf)6	DA			11.8	***7.9***
SS	IS7	DA			7.1	***7.1***
SS	IS8	DA			4.7	***8.8***
SS	IS(Mf)9	DA			6.5	***8.5***
SS	IS10	DA			11.2	***4.8***
SS	SR3	DA			7.8	***7.8***
SS	SR4	DA			6.1	***4.8***
SS	SR10A	DA			6.9	***4.6***
SS	SR10B	DA			6.6	***5.1***

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 4 January 2013, an exceedance of AL at station SR10A and exceedances at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4 and SR10B 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 rock filling 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, IS(Mf)9, IS10, SR3, SR4, 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
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
SR10A	3.6	to	17	4.8	to	19.2
SR10B	3.1	to	30.8	5.7	to	26.7

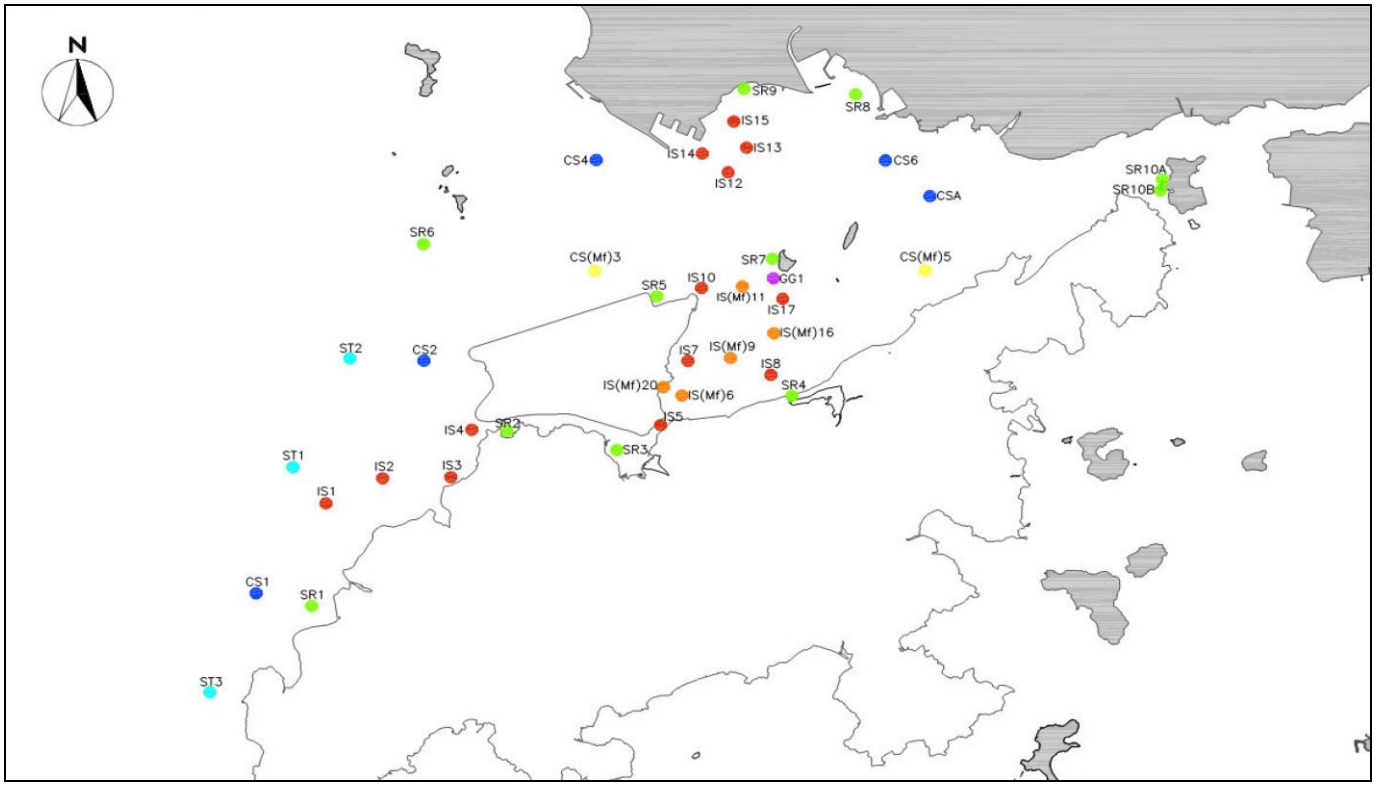
The measured values at stations IS5, IS(Mf)6, IS7, IS8, (Mf)9, IS10, SR3, SR4, SR10A and SR10B were within the ranges of suspended solid during baseline monitoring for mid-flood tide.

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 January 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.: 069

Date of Notification: 15 January 2013

Works Inspected: Data collected from water sampling works on 9 January 2013 and the results were issued on 11 January 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: 3.78 x 120% =**4.5** for mid ebb AND CS(Mf)5: 2.92 x 120% = **3.5** for mid flood)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 3.78 x 130% =**4.9** for mid ebb AND CS(Mf)5: 2.92 x 130% = **3.8** for mid flood)	3.7	***3.9***
TURB	IS(Mf)6	DA			***4.6***	***11.4***
TURB	IS7	DA			***5.8***	***5.5***
TURB	IS8	DA			3.4	***4.1***
TURB	SR3	DA			3.5	***3.6***
TURB	SR5	DA			2.5	***5.9***

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 9 January 2013, an exceedance of AL at station IS(Mf)6 and an exceedance of LL at station IS7 were recorded during mid-ebb tide. An exceedance of AL at station SR3 and exceedances of LL at stations IS5, IS(Mf)6, IS7, IS8 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. The rock filling activities were carried within silt curtain as recommended in the EIA Report.
2. The range of turbidity at stations IS5, IS(Mf)6, IS7, IS8, 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)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
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)6, IS7, IS8, SR3 and SR5 were within the range of turbidity for mid-ebb and mid-flood tide during baseline monitoring.

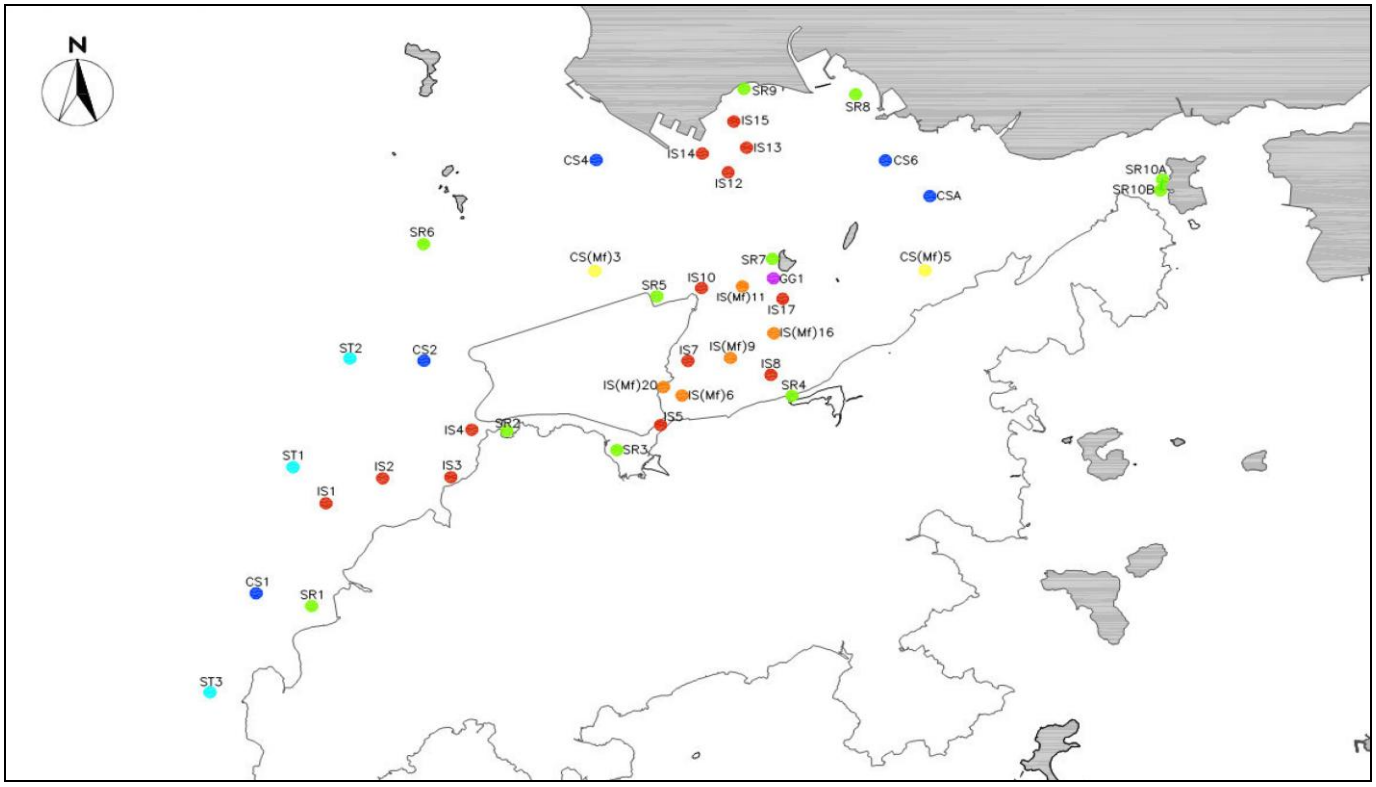
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

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 : 15 January 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.: 070

Date of Notification: 14 January 2013

Works Inspected: Data collected from water sampling works on 11 January 2013 and the results were issued on 14 January 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: 3.47 x 120% =**4.2** for mid ebb AND CS(Mf)5: 3.28 x 120% = **3.9** for mid flood)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 3.47 x 130% =**4.5** for mid ebb AND CS(Mf)5: 3.28 x 130% = **4.3** for mid flood)	***5.7***	***6.3***
TURB	IS(Mf)6	DA			***5.1***	***6.9***
TURB	IS7	DA			4.2	***5.6***
TURB	IS8	DA			***4.5***	***4.8***
TURB	IS(Mf)9	DA			***4.3***	***6.7***
TURB	SR3	DA			***4.5***	***5.0***
TURB	SR5	DA			3.0	***10.3***
TURB	SR10A	DA			2.7	***4.5***
TURB	SR10B	DA			2.7	***4.4***

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 11 January 2013, an exceedances of AL at station IS8, IS(Mf)9 and SR3 and exceedances of LL at stations IS5 and IS(Mf)6 were recorded during mid-ebb tide. An exceedances of LL at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, SR3, SR5, SR10A and SR10B 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. The rock filling activities 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, SR3, SR5, SR10A and SR10B 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
SR10A	2.6	to	11.4	1.9	to	13
SR10B	1.7	to	13.6	1.7	to	13.2

The measured value at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, SR3, SR5, SR10A and SR10B were within the range of turbidity for mid-ebb and mid-flood tide during baseline monitoring.

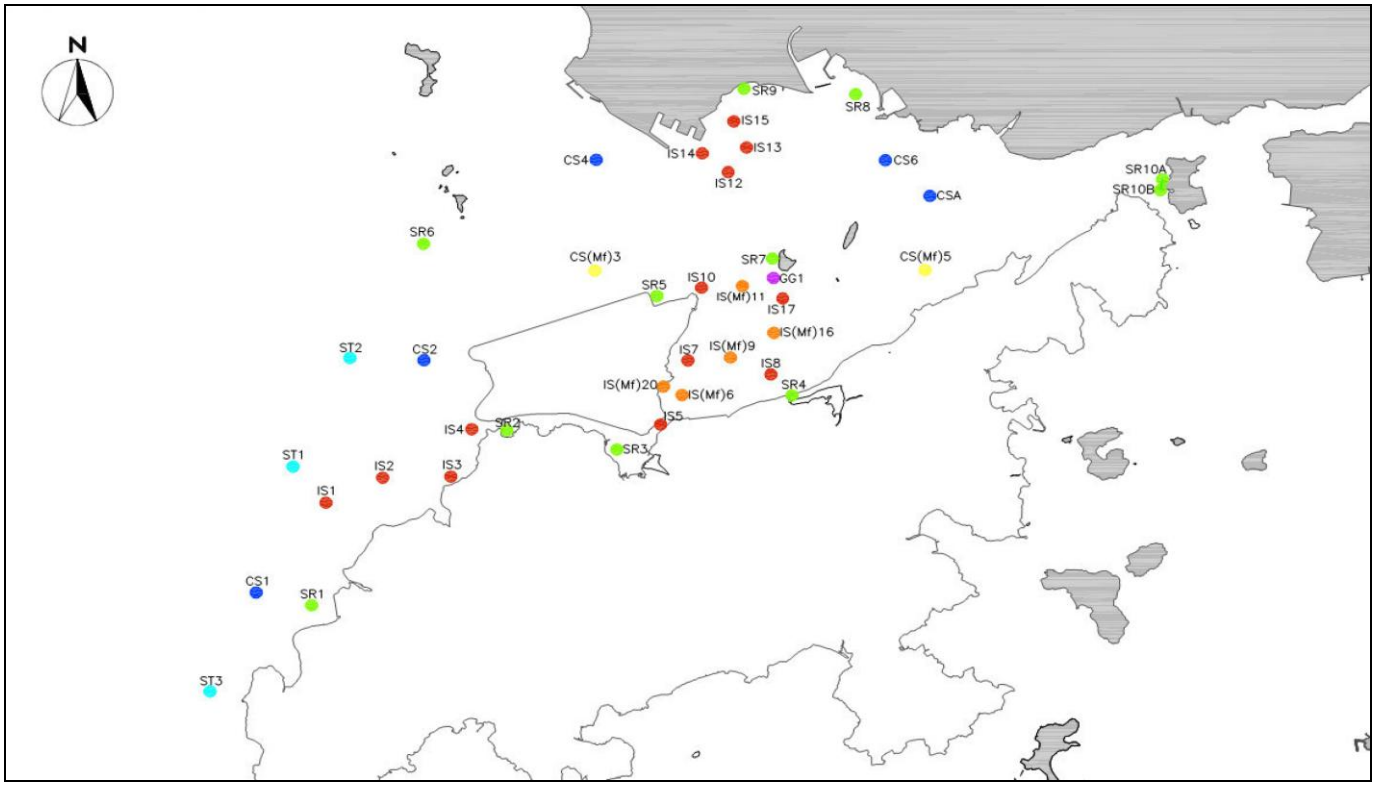
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

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 : 14 January 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.: 071

Date of Notification: 21 January 2013

Works Inspected: Data collected from water sampling works on 7 January 2013 and the test report was issued on 15 January 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: 5.73 x 120% =**6.9** mg/L for mid ebb) AND CS(Mf)5: 2.90 x 120% = **3.5**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: 5.73 x 130% =**7.5** mg/L for mid ebb) AND CS(Mf)5: 2.90 x 130% = **3.8** mg/L for mid flood)	5.0	***7.3***
SS	IS(Mf)6	DA			4.5	***9.1***
SS	IS7	DA			5.2	***7.5***
SS	IS8	DA			5.1	***4.8***
SS	IS(Mf)9	DA			6.8	***5.1***
SS	IS10	DA			4.7	***5.7***
SS	SR3	DA			5.1	***4.2***

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

Possible reason for Action or Limit Level Non-compliance:

On 7 January 2013, an exceedances of LL at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10 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 reasons:

1. The rock filling 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, IS(Mf)9, IS10 and SR3 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

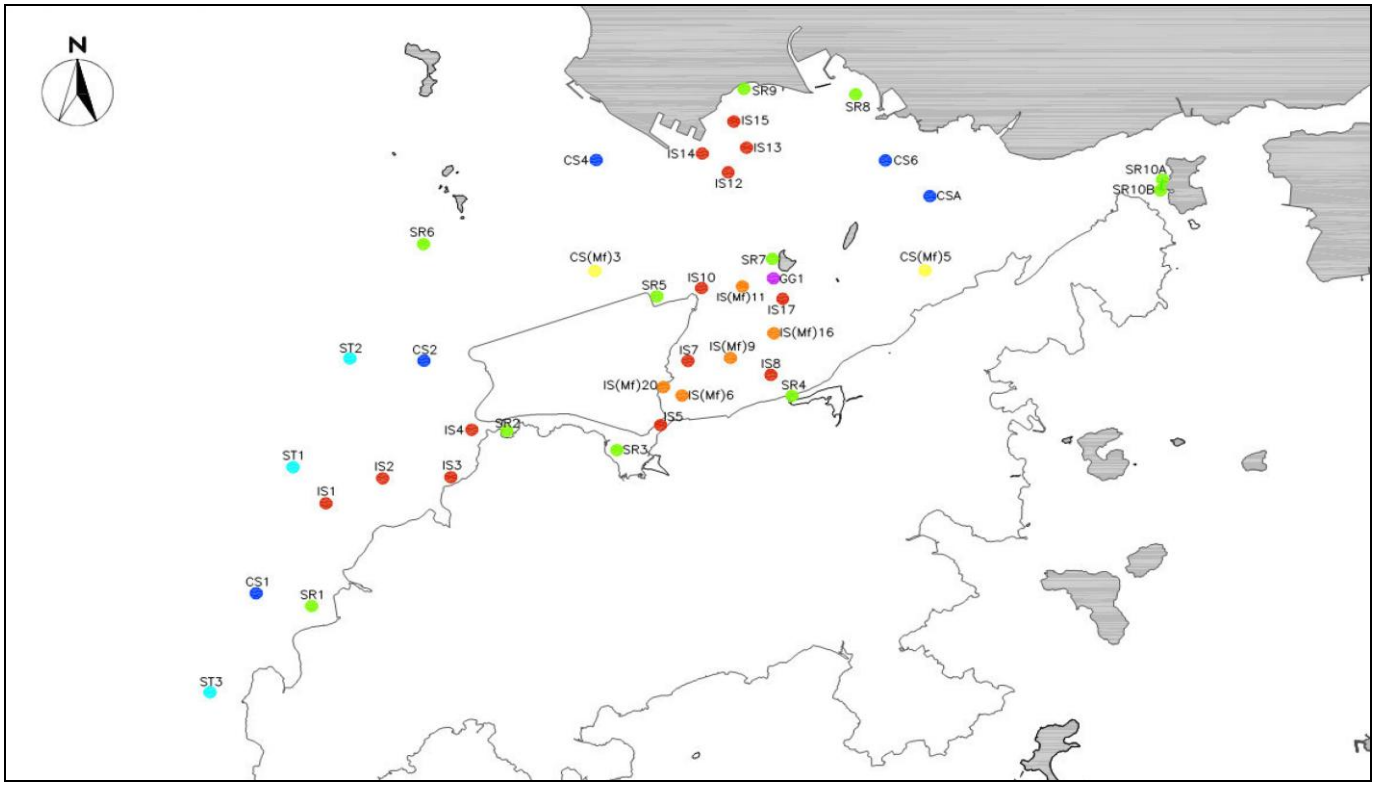
The measured values at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10 and SR3 were within the ranges of suspended solid during baseline monitoring for mid-flood tide.

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 : 21 January 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.: 072

Date of Notification: 21 January 2013

Works Inspected: Data collected from water sampling works on 9 January 2013 and the test report was issued on 16 January 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: 8.72 x 120% =**10.5** mg/L for mid ebb) AND CS(Mf)5: 6.23 x 120% = **7.5**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: 8.72 x 130% =**11.3** mg/L for mid ebb) AND CS(Mf)5: 6.23 x 130% = **8.1** mg/L for mid flood)	6.3	***15.0***
SS	IS7	DA			9.7	***8.4***
SS	IS8	DA			5.7	***9.9***
SS	SR3	DA			7.0	***9.0***
SS	SR5	DA			5.6	***12.0***
SS	SR10A	DA			5.4	***8.6***
SS	SR10B	DA			4.4	***9.5***

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 9 January 2013, an exceedances of LL at stations IS(Mf)6, IS7, IS8, SR3, SR5, SR10A and SR10B 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 rock filling activities were carried within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at stations IS(Mf)6, IS7, IS8, 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		
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
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

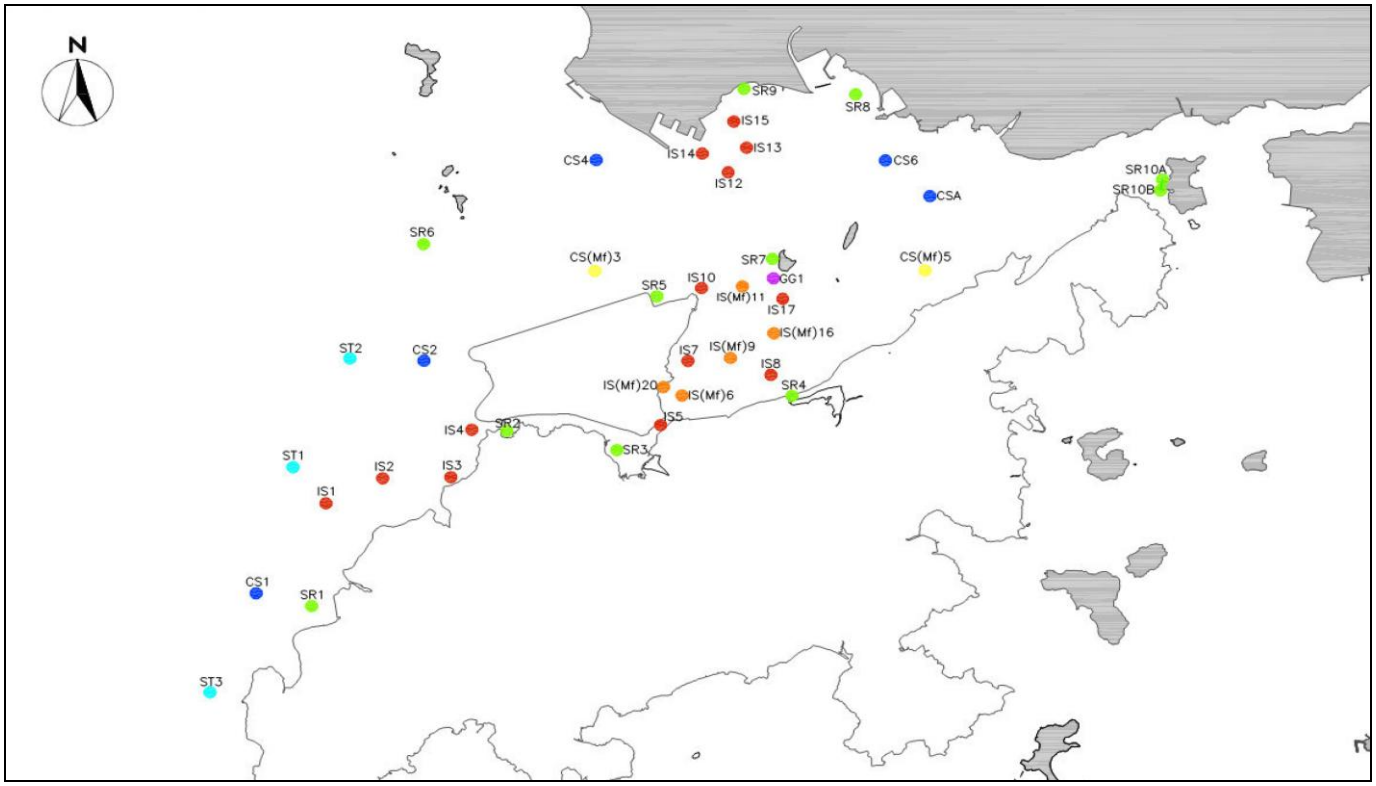
The measured values at stations IS(Mf)6, IS7, IS8, SR3, SR5, SR10A and SR10B were within the ranges of suspended solid during baseline monitoring for mid-flood tide.

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 : 21 January 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.: 073

Date of Notification: 21 January 2013

Works Inspected: Data collected from water sampling works on11 January 2013 and the test report was issued on 18 January 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: 11.38 x 120% =**13.7** mg/L for mid ebb) AND CS(Mf)5: 6.48 x 120% = **7.8**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: 11.38 x 130% =**14.8** mg/L for mid ebb) AND CS(Mf)5: 6.48 x 130% = **8.4** mg/L for mid flood)	7.8	***10.1***
SS	IS7	DA			7.4	***9.1***
SS	IS8	DA			7.9	***7.9***
SS	IS(Mf)9	DA			5.9	***9.2***
SS	SR5	DA			13.4	***27.2***
SS	SR10B	DA			6.8	***8.2***

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 January 2013, an exceedances of AL at stations IS8 and SR10b and exceedances of LL at stations IS(Mf)6, IS7, IS(Mf)9 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 rock filling activities 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, 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		
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
SR5	6.7	to	16.5	6.5	to	31.2
SR10B	3.1	to	30.8	5.7	to	26.7

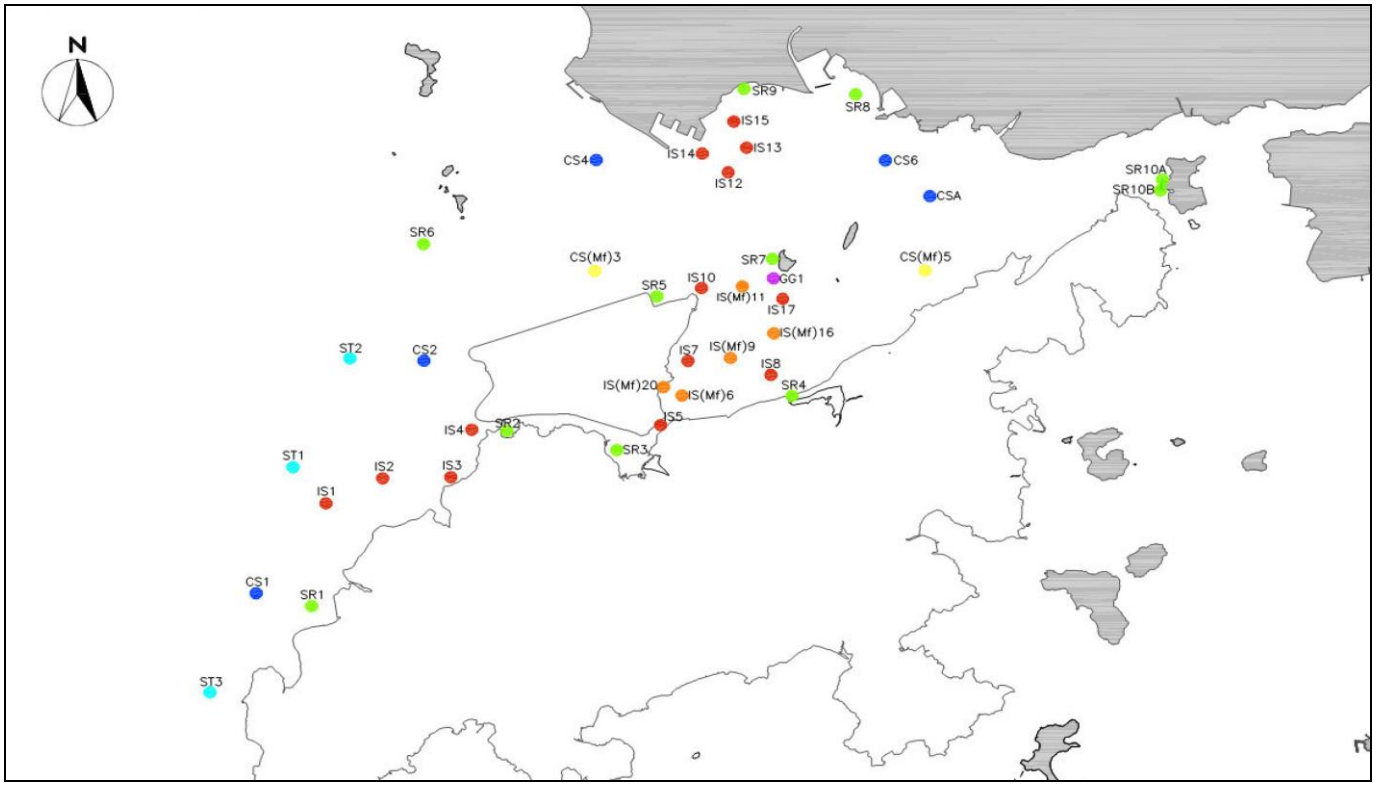
The measured values at stations IS(Mf)6, IS7, IS8, IS(Mf)9, SR5 and SR10B were within the ranges of suspended solid during baseline monitoring for mid-flood tide.

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 : 21 January 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.: 074

Date of Notification: 21 January 2013

Works Inspected: Data collected from water sampling works on 14 January 2013 and the results were issued on 16 January 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: 6.30 x 120% =**7.6** for mid ebb AND CS(Mf)5: 8.83 x 120% = **10.6** for mid flood)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 6.30 x 130% =**8.2** for mid ebb AND CS(Mf)5: 8.83 x 130% = **11.5** for mid flood)	***14.9***	***12.6***
TURB	IS7	DA			***15.3***	5.0

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 14 January 2013, an exceedances of LL at stations IS(Mf)6 and IS7 were recorded during mid-ebb tide. An exceedance of LL at stations IS(Mf)6 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 reason:

1. The geotextile installation work and rock filling activities were carried within silt curtain as recommended in the EIA Report.
2. The range of turbidity at stations IS(Mf)6 and IS7 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

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

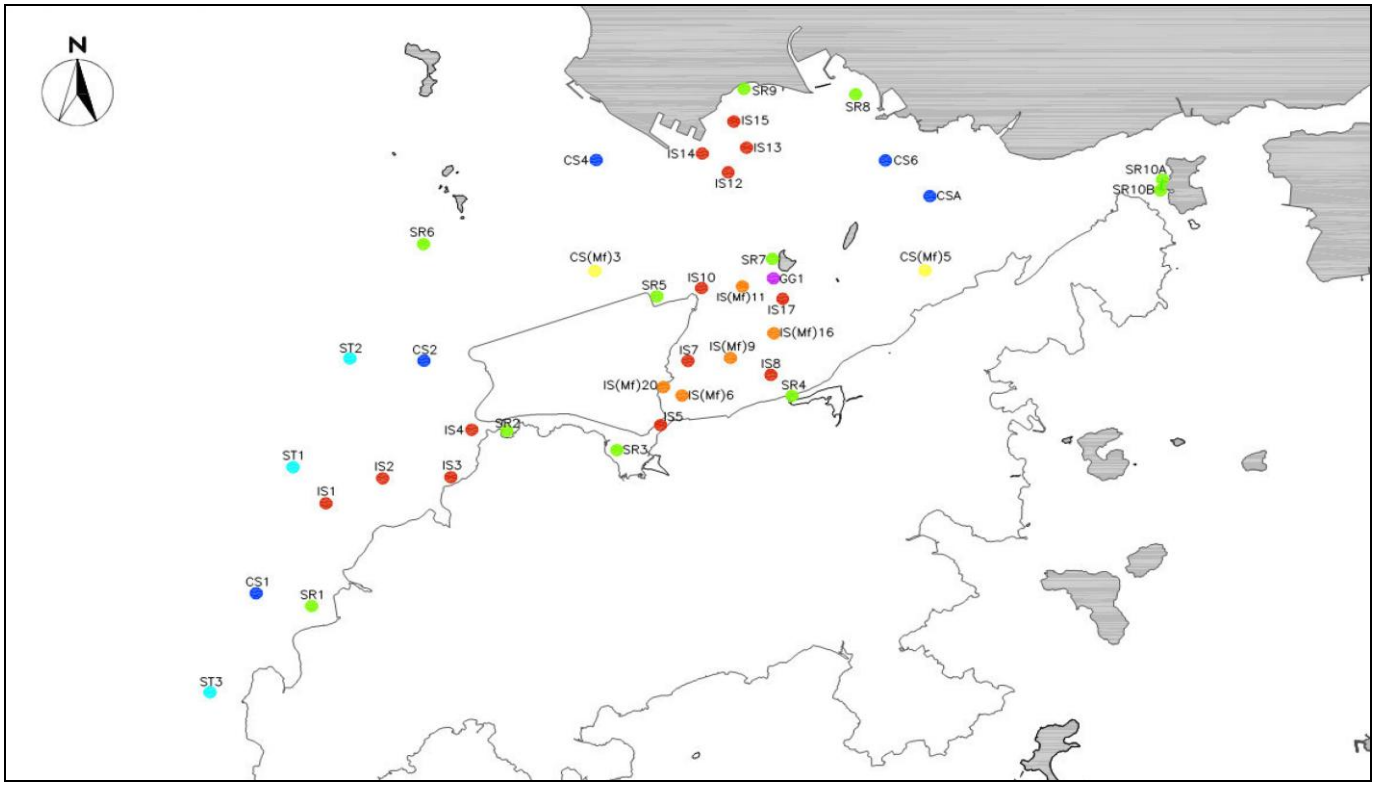
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

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 : 21 January 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.: 075

Date of Notification: 21 January 2013

Works Inspected: Data collected from water sampling works on14 January 2013 and the test report was issued on 21 January 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** or 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 13.85 x 120% =**16.6** mg/L for mid ebb) AND CS(Mf)5: 7.88 x 120% = **9.5**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: 13.85 x 130% =**18.0** mg/L for mid ebb) AND CS(Mf)5: 7.88 x 130% = **10.2** mg/L for mid flood)	8.1	***12.0***
SS	SR5	DA			8.6	***16.0***
SS	SR10A	DA			4.7	***10.8***
SS	SR10B	DA			6.4	***12.1***

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 14 January 2013, an exceedances of LL at stations IS10, SR5, SR10A and SR10B 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 geotextile installation work and rock filling activities were carried within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at stations IS10, 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		
IS10	6.1	to	20.2	7.2	to	16
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

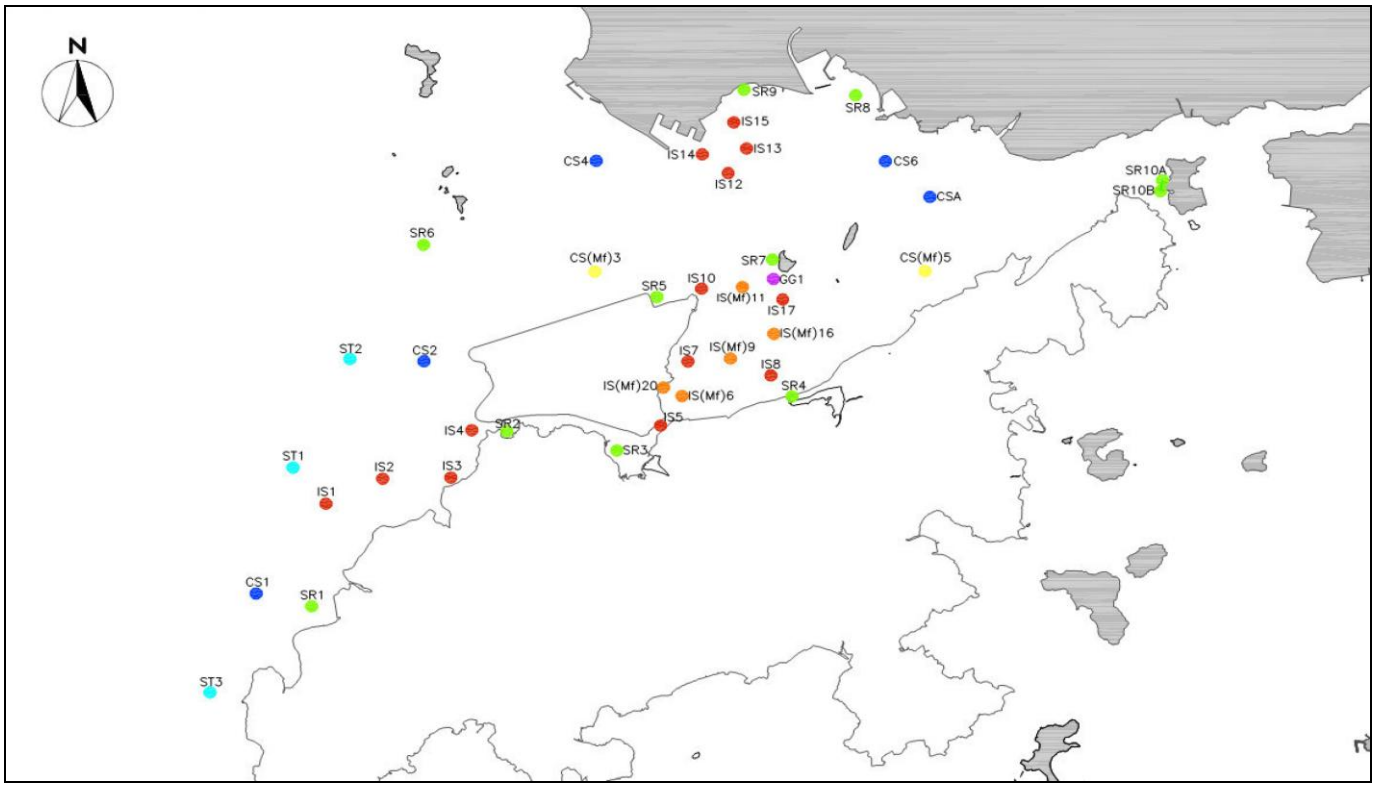
The measured values at stations IS10, SR5, SR10A and SR10B were within the ranges of suspended solid during baseline monitoring for mid-flood tide.

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 : 21 January 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.: 076

Date of Notification: 28 January 2013

Works Inspected: Data collected from water sampling works on 16 January 2013 and the results were issued on 17 January 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: 3.43 x 120% =**4.1** for mid ebb AND CS(Mf)5: 7.88 x 120% = **9.5** for mid flood)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 3.43 x 130% =**4.5** for mid ebb AND CS(Mf)5: 7.88 x 130% = **10.2** for mid flood)	***5.4***	5.2
TURB	IS(Mf)6	DA			***6.3***	8.1
TURB	IS7	DA			***5.8***	4.0
TURB	IS8	DA			***6.1***	6.0
TURB	IS(Mf)9	DA			***4.9***	5.3
TURB	SR3	DA			***5.1***	7.3
TURB	SR10A	DA			***4.3***	7.5
TURB	SR10B	DA			***4.2***	7.5

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 16 January 2013, exceedances of AL at stations SR10A and SR10B and exceedances of LL at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9 and SR3 were recorded during mid-ebb tide. The exceedances have been investigated and are considered unlikely to be related to contract works due to the following reason:

1. The sand filling activities 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, SR3, SR10A and SR10B 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
SR3	4.6	to	65.7	7.7	to	19.7
SR10A	2.6	to	11.4	1.9	to	13
SR10B	1.7	to	13.6	1.7	to	13.2

The measured value at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, SR3, SR10A and SR10B were within the range of turbidity for mid-ebb and mid-flood tide during baseline monitoring.

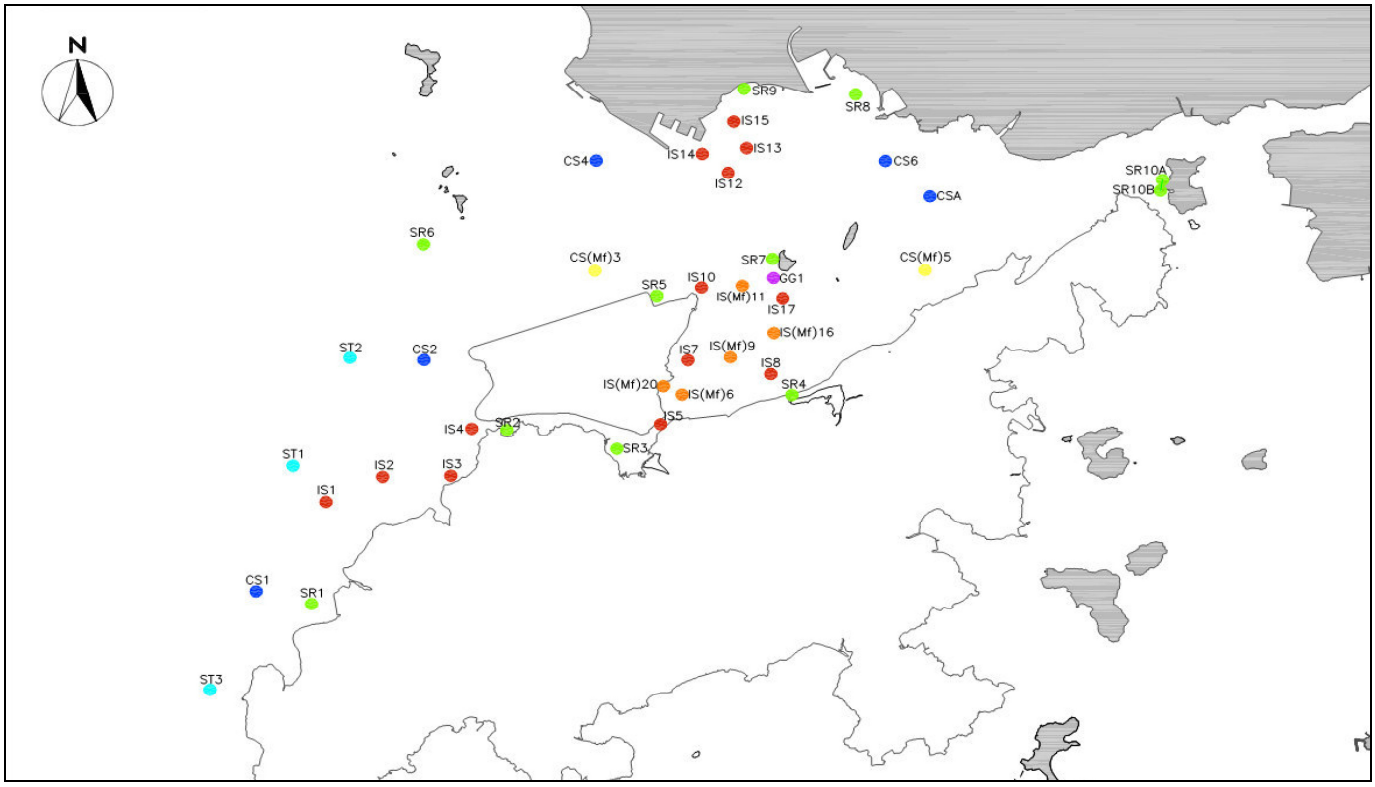
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

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 : 28 January 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.: 077

Date of Notification: 28 January 2013

Works Inspected: Data collected from water sampling works on 18 January 2013 and the results were issued on 21 January 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: 3.25 x 120% =**3.9** for mid ebb AND CS(Mf)5: 2.95 x 120% = **3.5** for mid flood)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 3.25 x 130% =**4.2** for mid ebb AND CS(Mf)5: 2.95 x 130% = **3.8** for mid flood)	***7.0***	***6.6***
TURB	IS(Mf)6	DA			***10.6***	***6.2***
TURB	IS(Mf)9	DA			3.1	***4.1***
TURB	SR3	DA			***5.2***	***6.1***
TURB	SR5	DA			3.0	***3.9***

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 18 January 2013, exceedances of LL at stations IS5, IS(Mf)6 and SR3 were recorded during mid-ebb tide. Execeedances of LL at stations IS5, IS(Mf)6, IS(Mf)9, 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. The rock filling activities were carried within silt curtain as recommended in the EIA Report.
2. The range of turbidity at stations IS5, IS(Mf)6, 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)6	3.3	to	21.7	5.3	to	20.9
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 value at stations IS5, IS(Mf)6, IS(Mf)9, SR3 and SR5 were within the range of turbidity for mid-ebb and mid-flood tide during baseline monitoring.

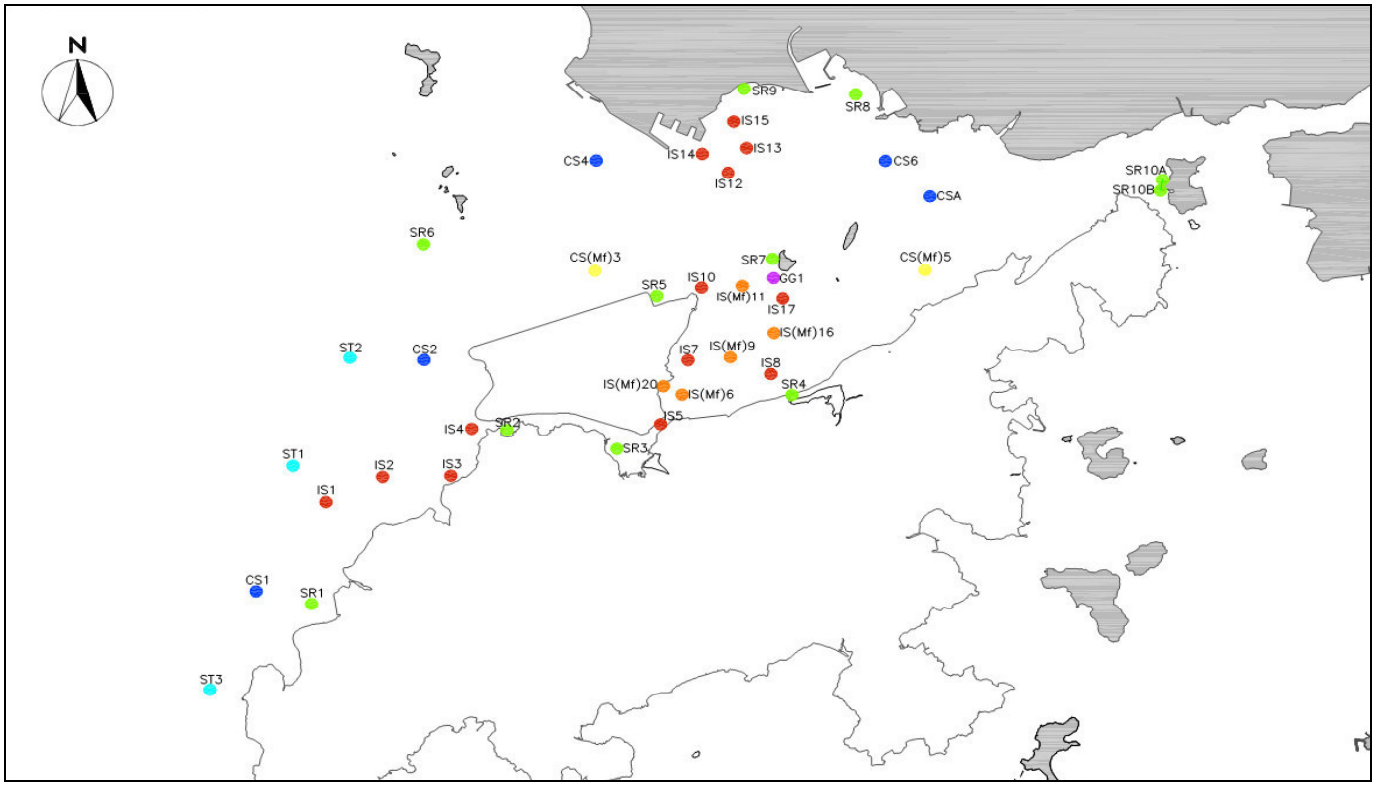
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

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 : 28 January 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.: 078

Date of Notification: 28 January 2013

Works Inspected: Data collected from water sampling works on 16 January 2013 and the test report was issued on 23 January 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	SR5	DA	**23.5** or 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 6.70 x 120% = **8.0** mg/L for mid ebb) AND CS(Mf)5: 9.47 x 120% = **11.4** 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: 6.70 x 130% = **8.7** mg/L for mid ebb) AND CS(Mf)5: 9.47 x 130% = **12.3** mg/L for mid flood)	6.0	***16.9***
SS	SR10A	DA			4.6	***15.8***

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 16 January 2013, exceedances of LL at stations SR5 and SR10A 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 sand filling activities were carried within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at stations 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		
SR5	6.7	to	16.5	6.5	to	31.2
SR10A	3.6	to	17	4.8	to	19.2

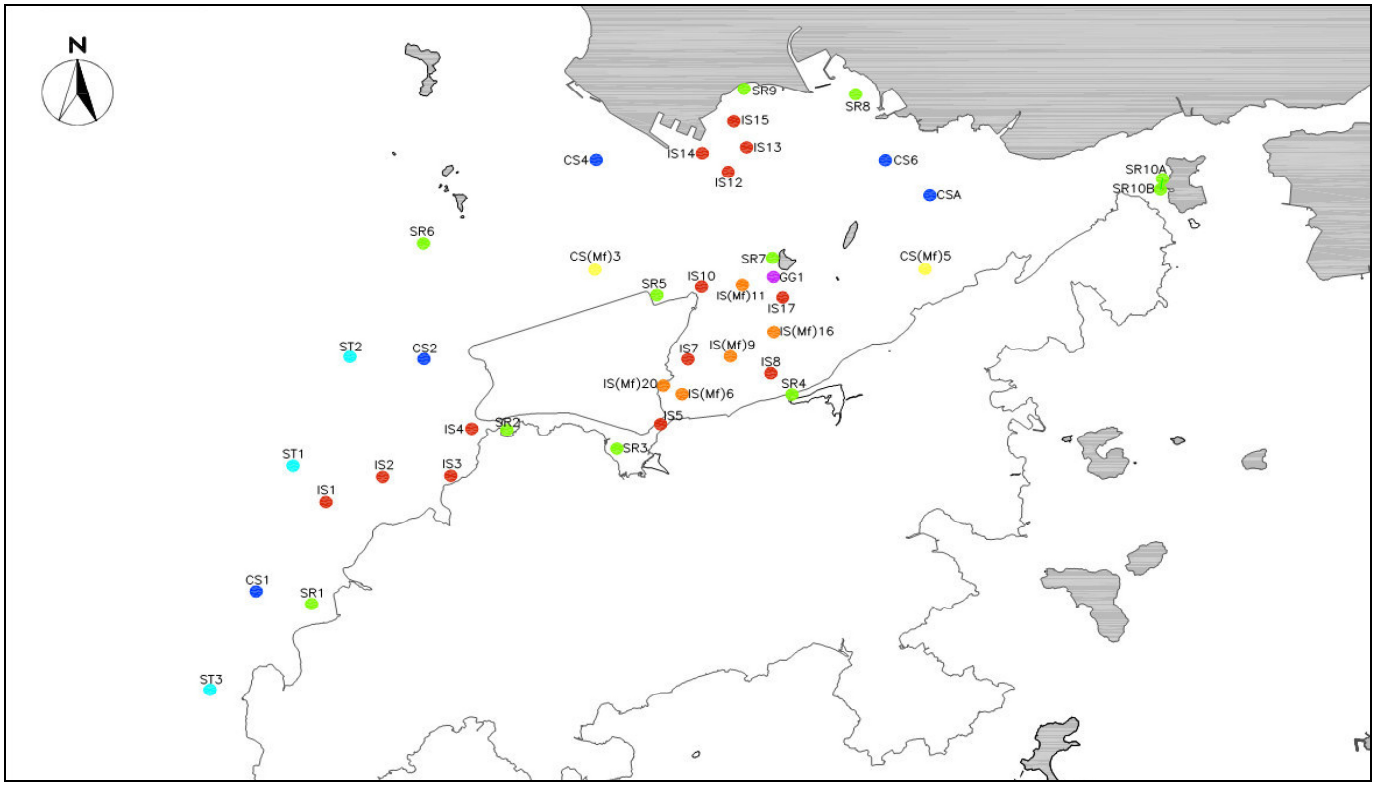
The measured values at stations SR5 and SR10A were within the ranges of suspended solid during baseline monitoring for mid-flood tide.

3. 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 : 28 January 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.: 079

Date of Notification: 24 January 2013

Works Inspected: Data collected from water sampling works on 21 January 2013 and the results were issued on 22 January 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: 2.98 x 120% = **3.6** for mid ebb AND CS(Mf)5: 2.18 x 120% = **2.6** for mid flood)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 2.98 x 130% =**3.9** for mid ebb AND CS(Mf)5: 2.18 x 130% = **2.8** for mid flood)	***5.0***	***7.0***
TURB	IS(Mf)6	DA			***14.8***	***5.4***
TURB	IS7	DA			***6.2***	***4.9***
TURB	IS8	DA			***3.8***	***3.4***
TURB	IS10	DA			1.8	***3.1***
TURB	SR3	DA			***5.6***	***7.4***
TURB	SR4	DA			3.1	***2.7***

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 21 January 2013, an exceedance of AL at station IS8 and exceedances of LL at stations IS5, IS(MF)6, IS7 and SR3 were recorded during mid-ebb tide. An exceedance of AL at station SR4 and exceedances of LL at stations IS5, IS(Mf)6, IS7, IS8, IS10 and SR3 were recorded.

1. The rock filling activities were carried within silt curtain as recommended in the EIA Report.
2. The range of turbidity at stations IS5, IS(Mf)6, IS7, IS8, 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
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

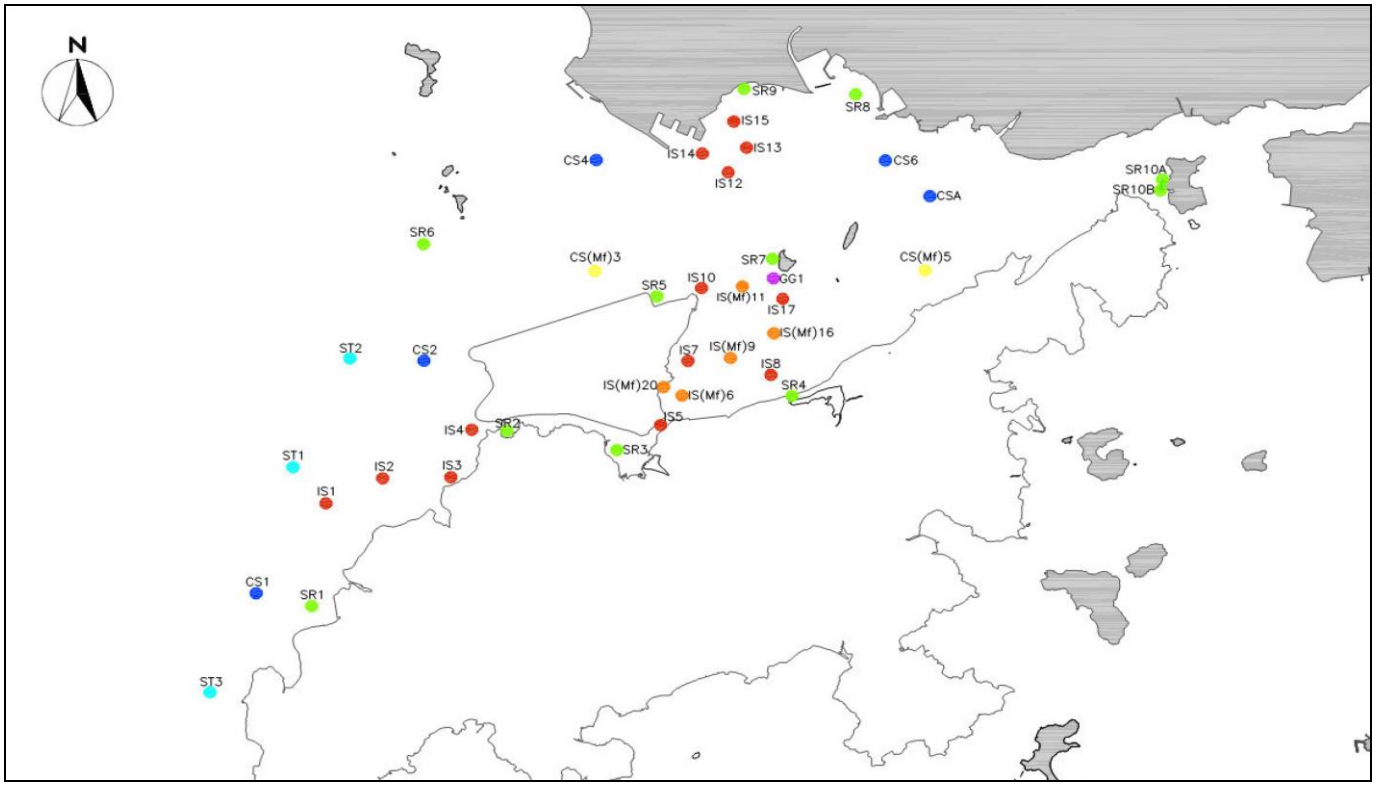
3. The measured value at stations IS5, IS(Mf)6, IS7, IS8, IS10,SR3 and SR4were within the range of turbidity for mid-ebb and mid-flood tide during baseline monitoring
4. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

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 : 07 February 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.: 080

Date of Notification: 01 February 2013

Works Inspected: Data collected from water sampling works on 18 January 2013 and the test report was issued on 01 February 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: 7.35 x 120% = **8.8** mg/L for mid ebb) AND CS(Mf)5: 1.98 x 120% = **2.4** 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: 7.35 x 130% = **9.6** mg/L for mid ebb) AND CS(Mf)5: 1.98 x 130% = **2.5** mg/L for mid flood)	6.6	***7.1***
SS	IS(Mf)6	DA			7.9	***5.9***
SS	IS7	DA			3.8	***4.3***
SS	IS8	DA			3.5	***3.3***
SS	IS(Mf)9	DA			4.6	***5.7***
SS	IS10	DA			6.0	***5.4***
SS	SR3	DA			4.7	***6.2***
SS	SR4	DA			2.7	***2.8***
SS	SR5	DA			5.8	***8.1***
SS	SR10A	DA			2.6	***2.8***
SS	SR10B	DA			3.3	***3.1***

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 18 January 2013, exceedances of LL at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4, SR5, SR10A and SR10B 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 sand filling activities 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, SR4, SR5, SR10A and SR10B during the baseline monitoring are shown as below.

Station	Range of Suspended Solid (mg/L) Mid- Flood Tide		
IS5	7	to	23.7
IS(Mf)6	8.5	to	35
IS7	7.8	to	34
IS8	5.8	to	31.3
IS(Mf)9	7.3	to	26
IS10	7.2	to	16
SR3	7.6	to	28
SR4	5.6	to	24.5
SR5	6.5	to	31.2
SR10A	4.8	to	19.2
SR10B	5.7	to	26.7

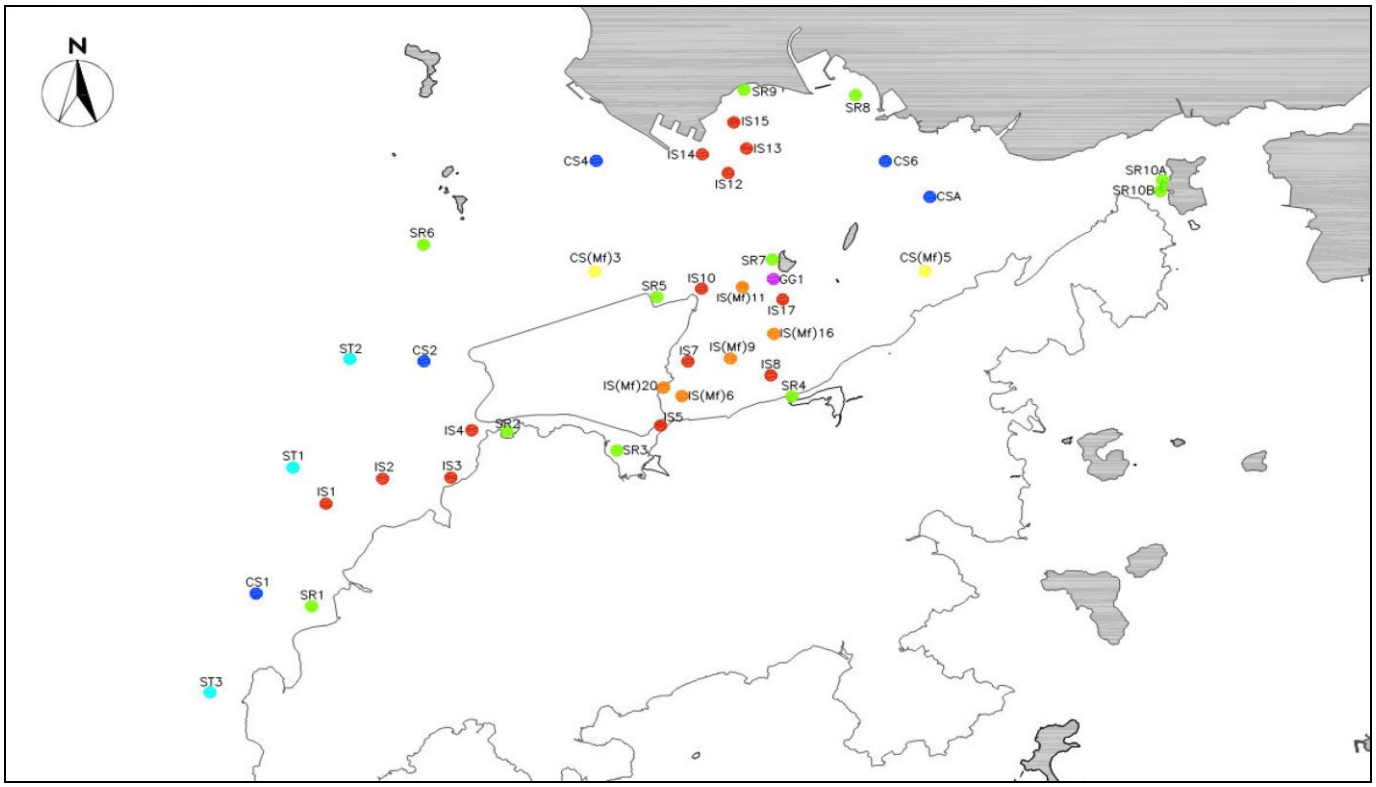
The measured values at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4, SR5, SR10A and SR10B were within the ranges of suspended solid during baseline monitoring for mid-flood tide.

3. 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 : 07 February 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.: 081

Date of Notification: 01 February 2013

Works Inspected: Data collected from water sampling works on 21 January 2013 and the test report was issued on 01 February 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: 2.42 x 120% = **2.9** mg/L for mid ebb) AND CS(Mf)5: 2.78 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: 2.42 x 130% = **3.1** mg/L for mid ebb) AND CS(Mf)5: 2.78 x 130% = **3.6** mg/L for mid flood)	***5.9***	***9.4***
SS	IS(Mf)6	DA			***18.2***	***8.0***
SS	IS7	DA			***5.9***	***5.6***
SS	IS8	DA			***4.9***	2.9
SS	IS(Mf)9	DA			***4.2***	***4.0***
SS	IS10	DA			***3.0***	***4.0***
SS	SR3	DA			***6.3***	***8.9***
SS	SR4	DA			***5.6***	***3.7***
SS	SR5	DA			***3.4***	***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 21 January 2013, an exceedance of AL at station IS10 and exceedances of LL at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, SR3, SR4 and SR5 were recorded during mid-ebb tide. Exceedance of AL at station SR5 and exceedances of LL at IS5, IS(Mf)6, IS7, IS(Mf)9, IS10, SR3 and SR4 were recorded.

and mid-floor tide. The exceedances have been investigated and are considered unlikely to be related to contract works due to the following reasons:

1. The sand filling 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, 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

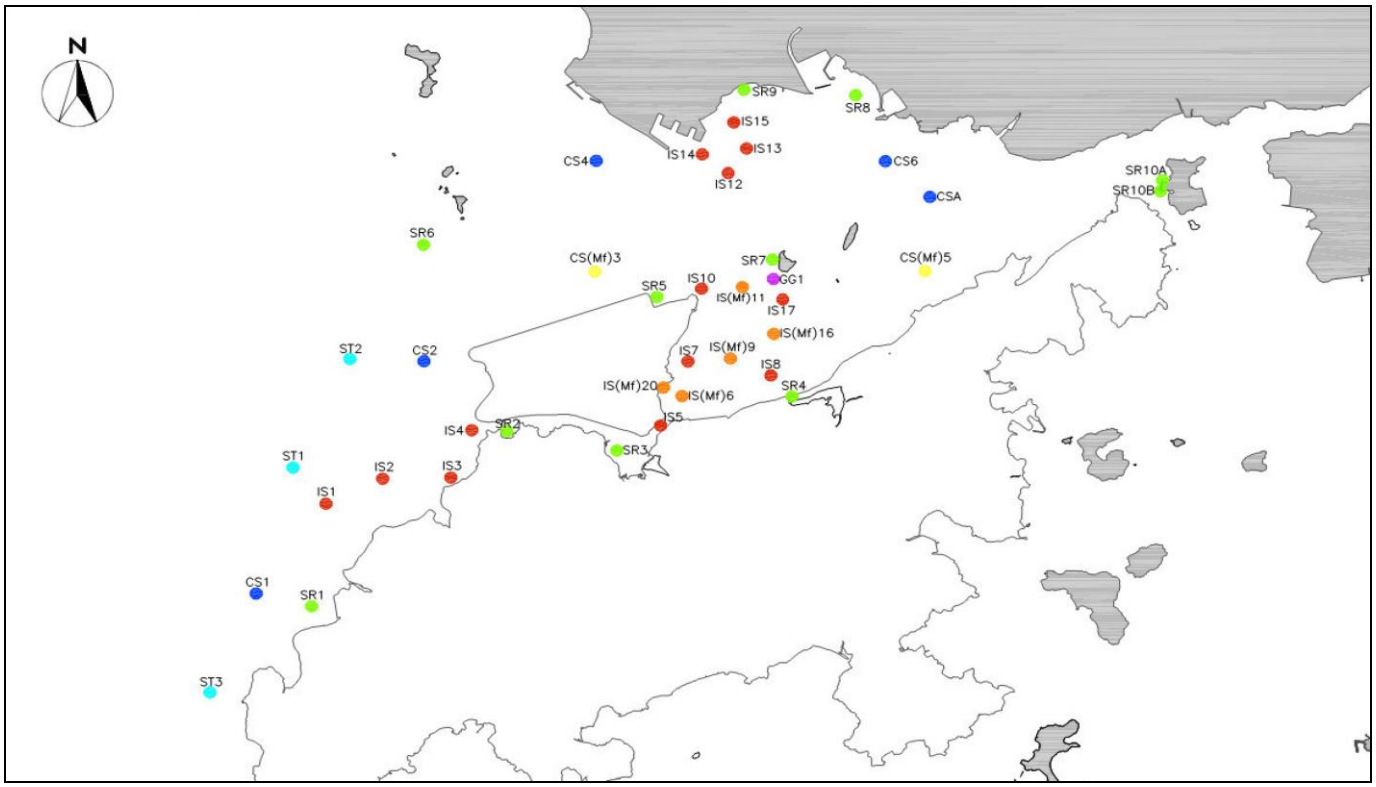
The measured values at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4, and SR5 were within the ranges of suspended solid during baseline monitoring for mid-ebb and mid-flood tide.

3. 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 : 07 February 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.: 082

Date of Notification: 02 February 2013

Works Inspected: Data collected from water sampling works on 23 January 2013 and the results were issued on 01 February 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: 1.85 x 120% =**2.2** for mid ebb AND CS(Mf)5: 1.42 x 120% = **1.7** for mid flood)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 1.85 x 130% =**2.4** for mid ebb AND CS(Mf)5: 1.42 x 130% = **1.8** for mid flood)	***5.8***	***4.5***
TURB	IS(Mf)6	DA			***6.5***	***5.6***
TURB	IS7	DA			***6.4***	***3.6***
TURB	IS8	DA			***3.0***	***5.2***
TURB	IS(Mf)9	DA			***3.5***	***5.4***
TURB	IS10	DA			***2.3***	***5.0***
TURB	SR3	DA			***3.1***	***5.0***
TURB	SR4	DA			***2.9***	***3.6***
TURB	SR5	DA			***2.4***	***3.2***

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 23 January 2013, exceedances of AL at stations IS10 and SR5 and exceedances of LL at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, SR3 and SR4 were recorded during mid-ebb tide.

Execeedances of LL 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. The rock filling activities 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
IF(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 value at stations stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4 and SR5 were within the range of turbidity for mid-ebb and mid-flood tide during baseline monitoring.

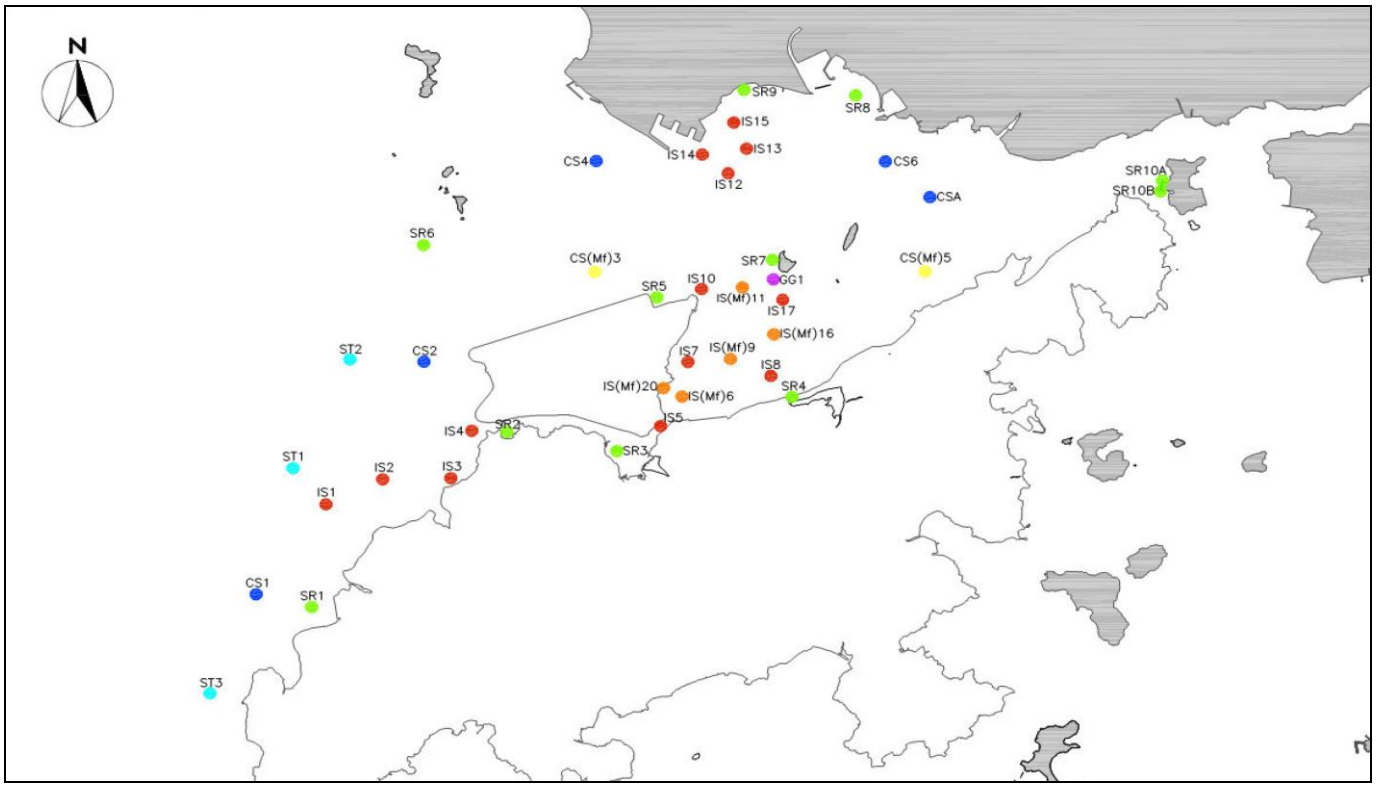
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

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 : 07 February 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.: 083

Date of Notification: 07 February 2013

Works Inspected: Data collected from water sampling works on 23 January 2013 and the test report was issued on 01 February 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: 4.53 x 120% = **5.4** mg/L for mid ebb) AND CS(Mf)5: 5.48 x 120% = **6.6** 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: 4.53 x 130% = **5.9** mg/L for mid ebb) AND CS(Mf)5: 5.48 x 130% = **7.1** mg/L for mid flood)	***8.0***	***7.7***
SS	IS(Mf)6	DA			***7.0***	***7.4***
SS	IS7	DA			***7.9***	***8.3***
SS	IS8	DA			***7.1***	***8.2***
SS	IS(Mf)9	DA			***6.3***	***9.8***
SS	IS10	DA			***10.2***	***11.3***
SS	SR3	DA			***5.6***	***6.8***
SS	SR4	DA			***6.8***	***6.8***
SS	SR10A	DA			***5.8***	5.2
SS	SR10B	DA			***5.8***	5.0

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 23 January 2013, exceedances of AL at stations SR3, SR10A and SR10B and LL exceedances at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10 and SR4 were recorded during mid-ebb tide. Exceedances of AL at stations SR3 and SR4 and LL at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9 and IS10 were recorded for the 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 sand filling activities were carried within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4, 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
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
SR10A	3.6	to	17	4.8	to	19.2
SR10B	3.1	to	30.8	5.7	to	26.7

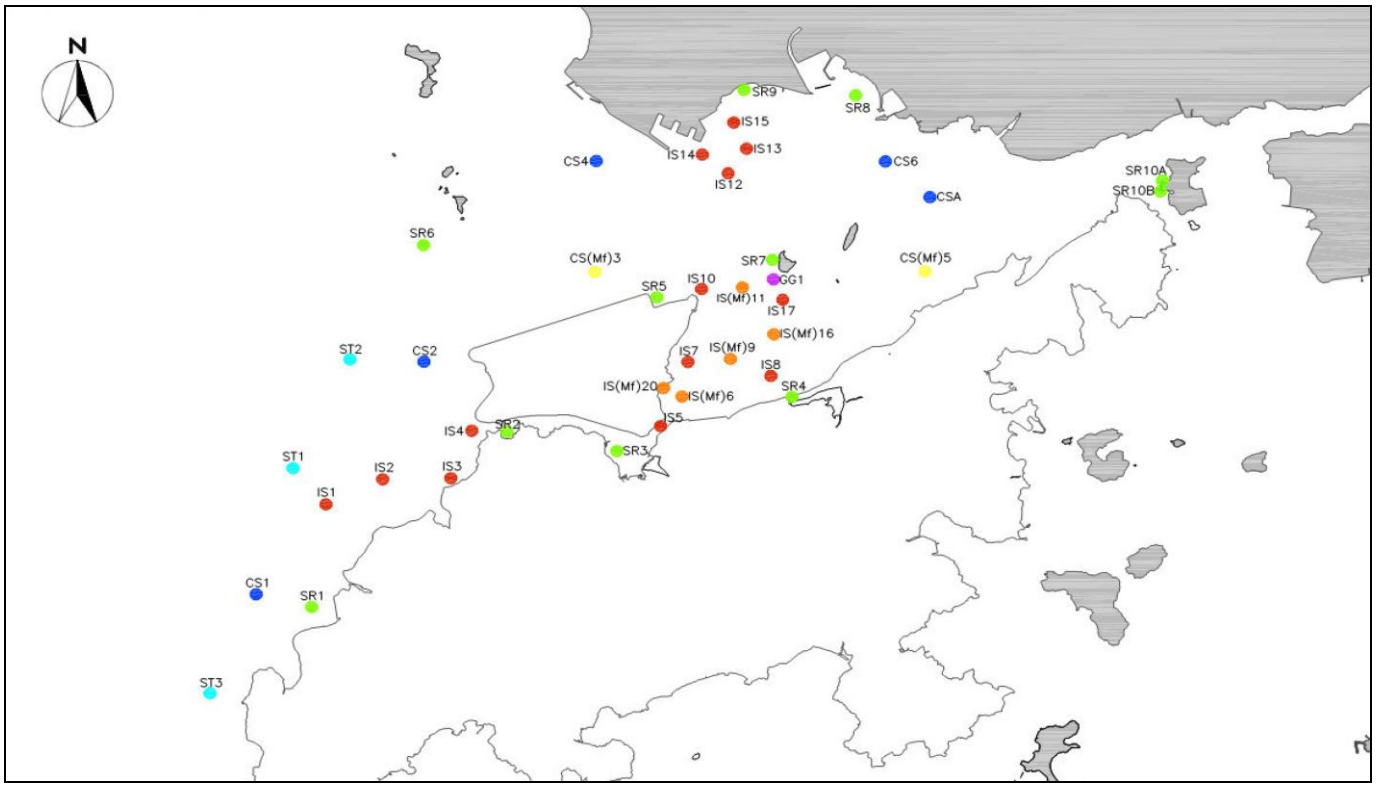
The measured values at IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4, SR10A and SR10B were within the ranges of suspended solid during baseline monitoring for mid-ebb tide and mid-flood tide.

3. 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 : 07 February 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.: 084

Date of Notification: 07 February 2013

Works Inspected: Data collected from water sampling works on 25 January 2013 and the results were issued on 01 February 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: 2.62 x 120% =**3.1** for mid ebb AND CS(Mf)5: 2.70 x 120% = **3.2** for mid flood)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 2.62 x 130% =**3.4** for mid ebb AND CS(Mf)5: 2.70 x 130% = **3.5** for mid flood)	***4.9***	***4.6***
TURB	IS(Mf)6	DA			***14.0***	***8.2***
TURB	IS7	DA			***4.0***	***6.4***
TURB	IS8	DA			***4.1***	***3.9***
TURB	IS(Mf)9	DA			***5.2***	***4.6***
TURB	SR3	DA			***5.0***	***4.7***
TURB	SR4	DA			***5.0***	***5.7***

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 25 January 2013, exceedances of LL at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, SR3 and SR4 were recorded during mid-ebb tide. Execeedances of LL at 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 reason:

1. The rock filling activities 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, 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
IF(Mf)9	2.7	to	17	3.4	to	22.6
SR3	4.6	to	65.7	7.7	to	19.7
SR4	5.2	to	18.9	5	to	20.6

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

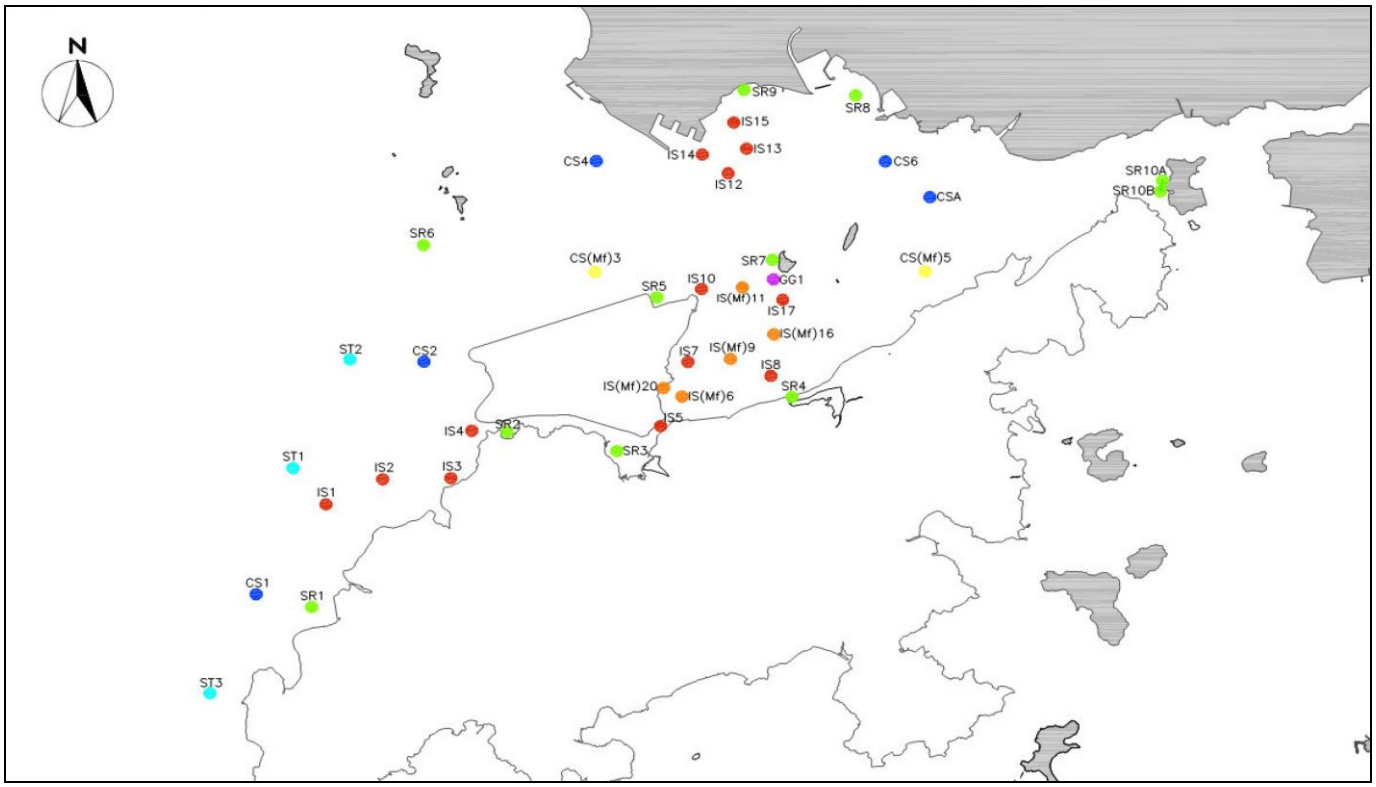
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

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 : 07 February 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.: 085

Date of Notification: 07 February 2013

Works Inspected: Data collected from water sampling works on 25 January 2013 and the test report was issued on 01 February 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: 5.60 x 120% = **6.7** mg/L for mid ebb) AND CS(Mf)5: 4.95 x 120% = **5.9** 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: 5.60 x 130% = **7.3** mg/L for mid ebb) AND CS(Mf)5: 4.95 x 130% = **6.4** mg/L for mid flood)	***10.3***	***6.4***
SS	IS7	DA			6.0	***7.2***
SS	SR4	DA			***8.5***	4.7
SS	SR5	DA			***11.0***	4.6

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 25 January 2013, exceedances of LL at stations IS(Mf)6, SR4 and SR5 were recorded during mid-ebb tide. Exceedances of AL at station IS(Mf)6 and LL at station IS7 were recorded for the 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 sand filling activities were carried within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at IS(Mf)6, IS7, SR3 and SR4 during the baseline monitoring are shown as below.

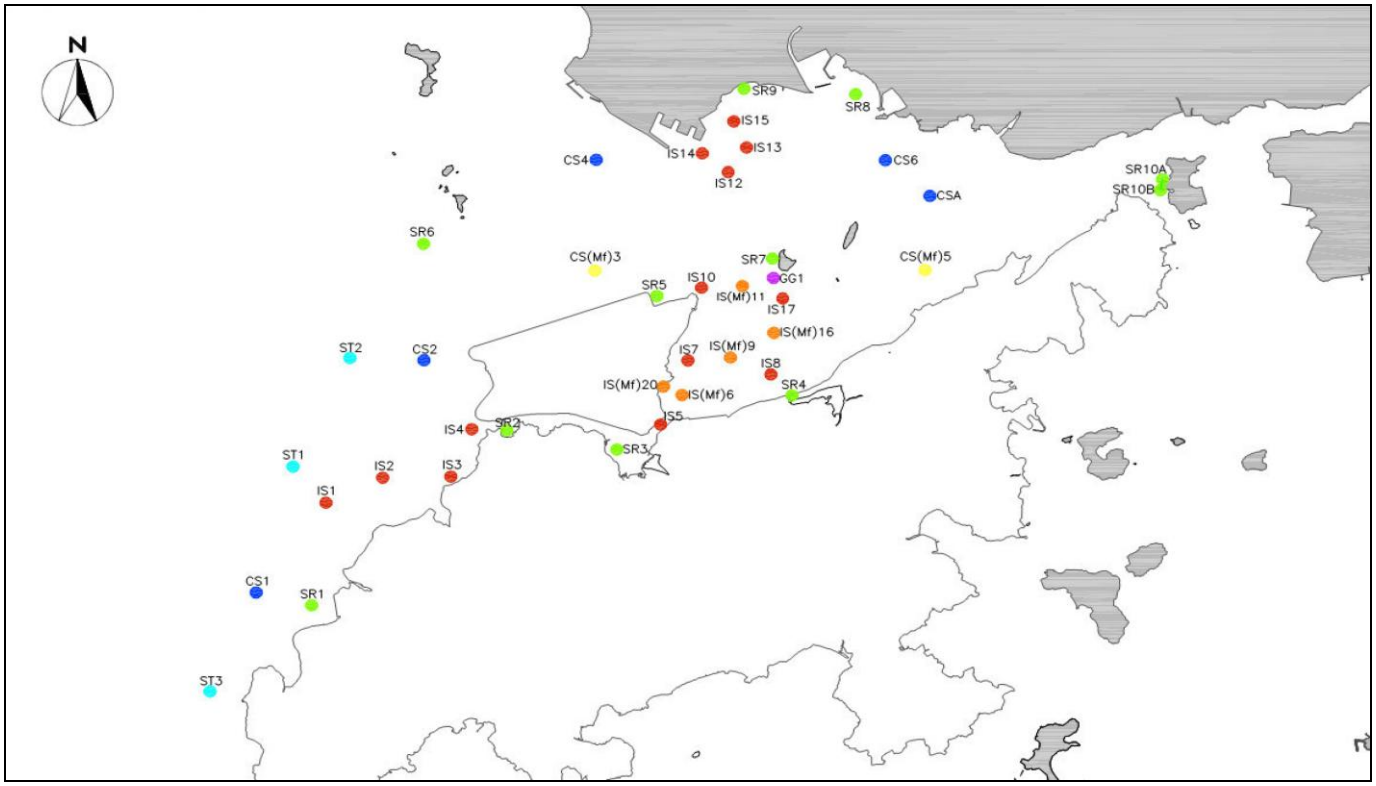
Station	Range of Suspended Solid (mg/L) Mid- Ebb Tide			Range of Suspended Solid (mg/L) Mid- Flood Tide		
IS(Mf)6	7.1	to	19	8.5	to	35
IS7	6.1	to	21	7.8	to	34
SR3	6.7	to	31	7.6	to	28
SR4	5.3	to	20	5.6	to	24.5

   The measured values at IS(Mf)6, IS7, SR3 and SR4 were within the ranges of suspended solid during baseline monitoring for mid-ebb tide and mid-flood tide.
3. 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 : 07 February 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.: 086

Date of Notification: 07 February 2013

Works Inspected: Data collected from water sampling works on 28 January 2013 and the results were issued on 02 February 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: 3.20 x 120% =**3.8** for mid ebb AND CS(Mf)5: 7.35 x 120% = **8.8** for mid flood)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 3.20 x 130% =**4.2** for mid ebb AND CS(Mf)5: 7.35 x 130% = **9.6** for mid flood)	***6.2***	4.5
TURB	IS(Mf)6	DA			***5.0***	5.8
TURB	IS7	DA			***5.6***	6.5
TURB	SR3	DA			***5.4***	4.6

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 28 January 2013, exceedances of LL at stations IS5, IS(Mf)6, IS7 and SR3 were recorded during mid-ebb tide. The exceedances have been investigated and are considered unlikely to be related to contract works due to the following reason:

1. The range of turbidity at stations IS5, IS(Mf)6, IS7 and SR3 during the baseline monitoring is shown as below:
2.

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
SR3	4.6	to	65.7	7.7	to	19.7

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

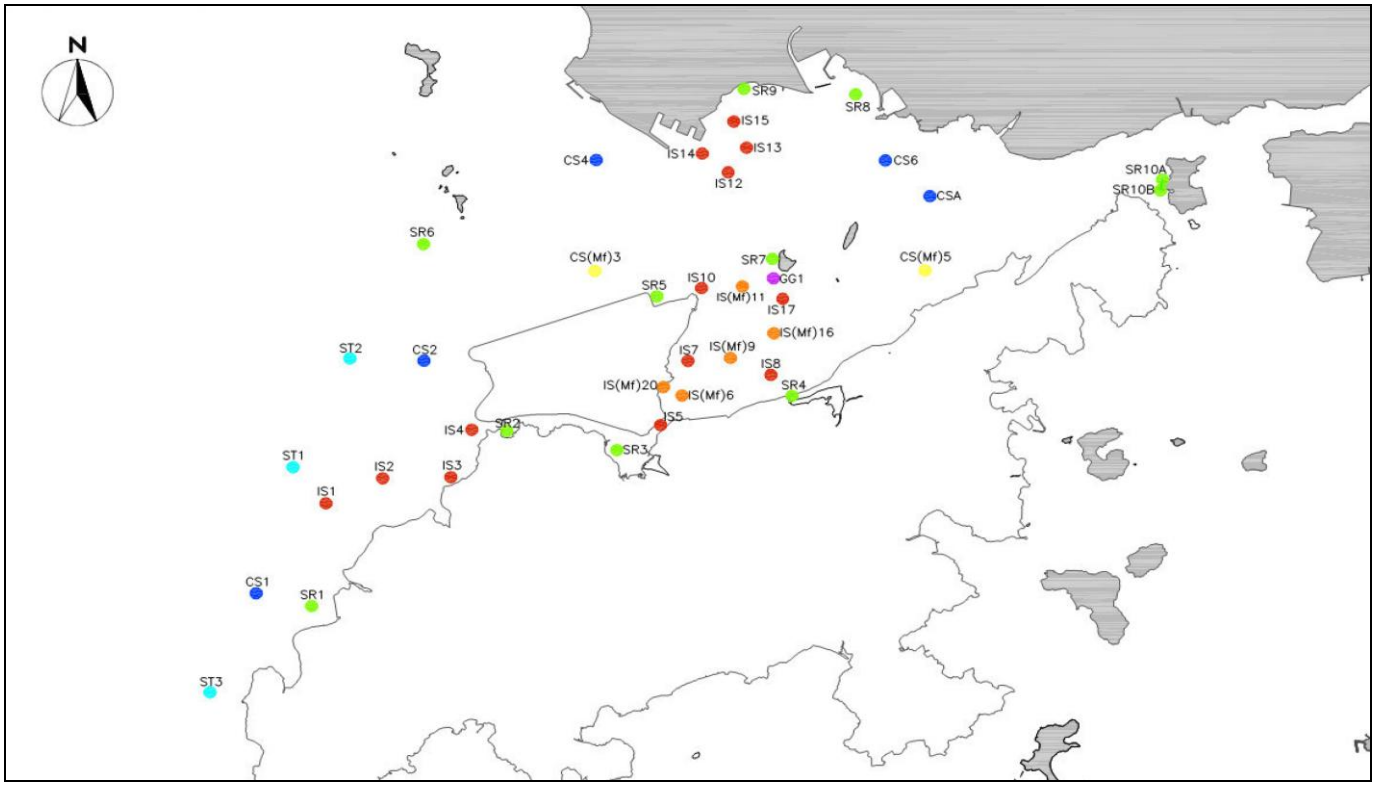
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

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 : 07 February 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.: 087A

Date of Notification: 07 February 2013

Works Inspected: Data collected from water sampling works on 30 January 2013 and the test report were issued on 02 February 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)
SS	IS5	DA	**27.5** or 120% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 2.88 x 120% =**3.5** for mid ebb AND CS(Mf)5: 6.13 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: 2.88 x 130% =**3.7** for mid ebb AND CS(Mf)5: 6.13 x 130% = **8.0** for mid flood)	***6.1***	5.7
SS	IS(Mf)6	DA			***6.3***	***8.2***
SS	IS7	DA			***7.5***	5.6
SS	IS8	DA			***4.6***	6.1
SS	IS(Mf)9	DA			***4.2***	5.8
SS	SR3	DA			***5.5***	5.7
SS	SR4	DA			***6.0***	6.0
SS	SR5	DA			***5.0***	***10.3***

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 30 January 2013, exceedances of LL at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, SR3, SR4 and SR5 were recorded during mid-ebb tide. Exceedances of LL at stations IS(Mf)6 and SR5 were recorded during mid-flood tide. The exceedances have been investigated and are considered unlikely to be related to contract works.

1. The range of turbidity at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, SR3, SR4 and SR5 during the baseline monitoring is shown as below:

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

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

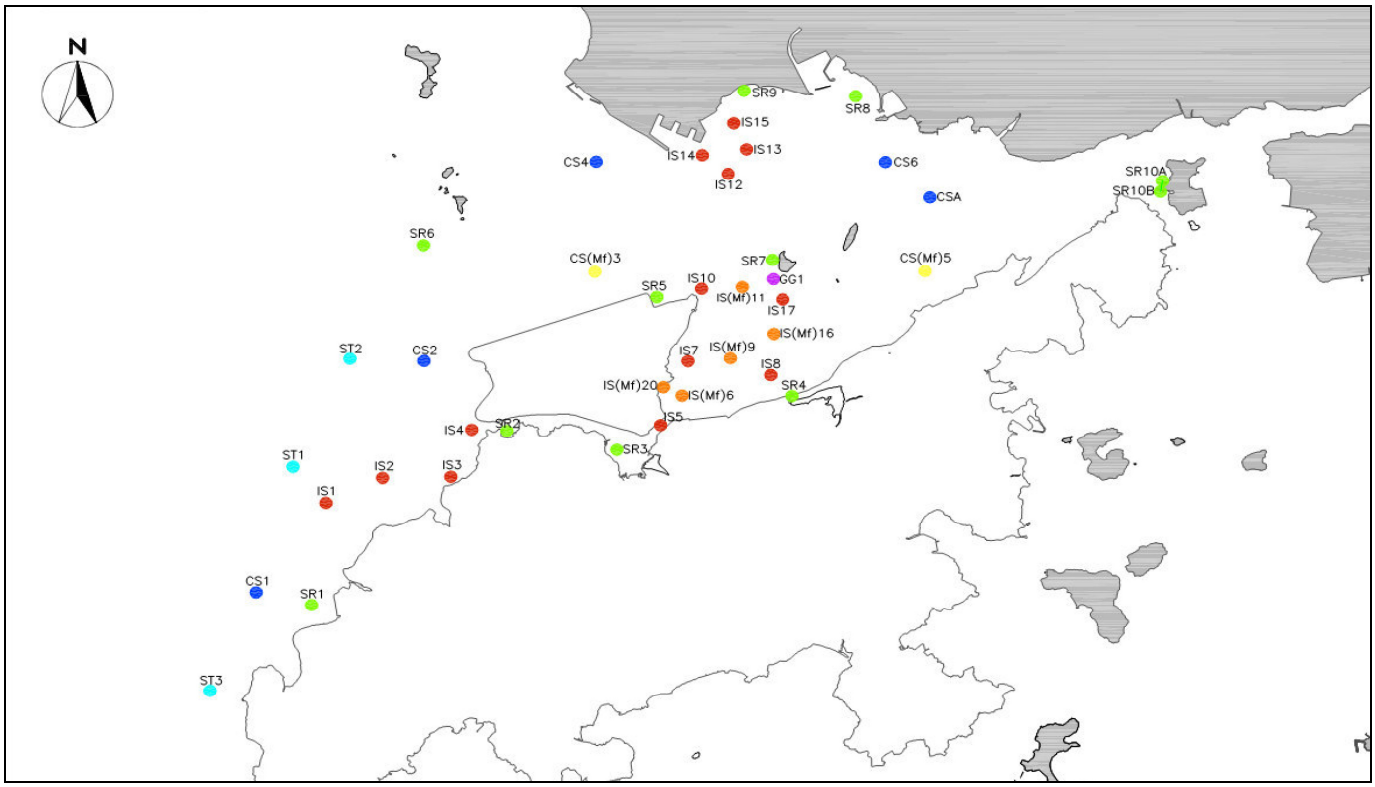
2. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

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

Actions taken/ to be taken:

As the suspended solid 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 : 07 February 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.: 090

Date of Notification: 14 Feb 2013

Works Inspected: Data collected from water sampling works on 30 January 2013 and the test report was issued on 06 February 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: 6.52 x 120% = **7.8** mg/L for mid ebb) AND CS(Mf)5: 3.85 x 120% = **4.6** 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: 6.52 x 130% = **8.5** mg/L for mid ebb) AND CS(Mf)5: 3.85 x 130% = **5.0** mg/L for mid flood)	6.3	***5.8***
SS	IS(Mf)6	DA			3.4	***7.2***
SS	IS7	DA			***7.9***	***5.6***
SS	IS8	DA			4.1	***5.2***
SS	IS(Mf)9	DA			5.5	***5.8***
SS	IS10	DA			6.5	***14.3***
SS	SR3	DA			6.0	***5.7***
SS	SR4	DA			4.5	***6.1***
SS	SR5	DA			***8.9***	***25.1***
SS	SR10B	DA			5.9	***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 31 January 2013, an exceedance of AL at station at IS7 and a LL exceedance at station SR5 were recorded during mid-ebb tide. Exceedances of LL at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4, SR5 and SR10B were recorded for the 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 ranges of suspended solid at IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4, SR5 and SR10B and 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
SR10B	3.1	to	30.8	5.7	to	26.7

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

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

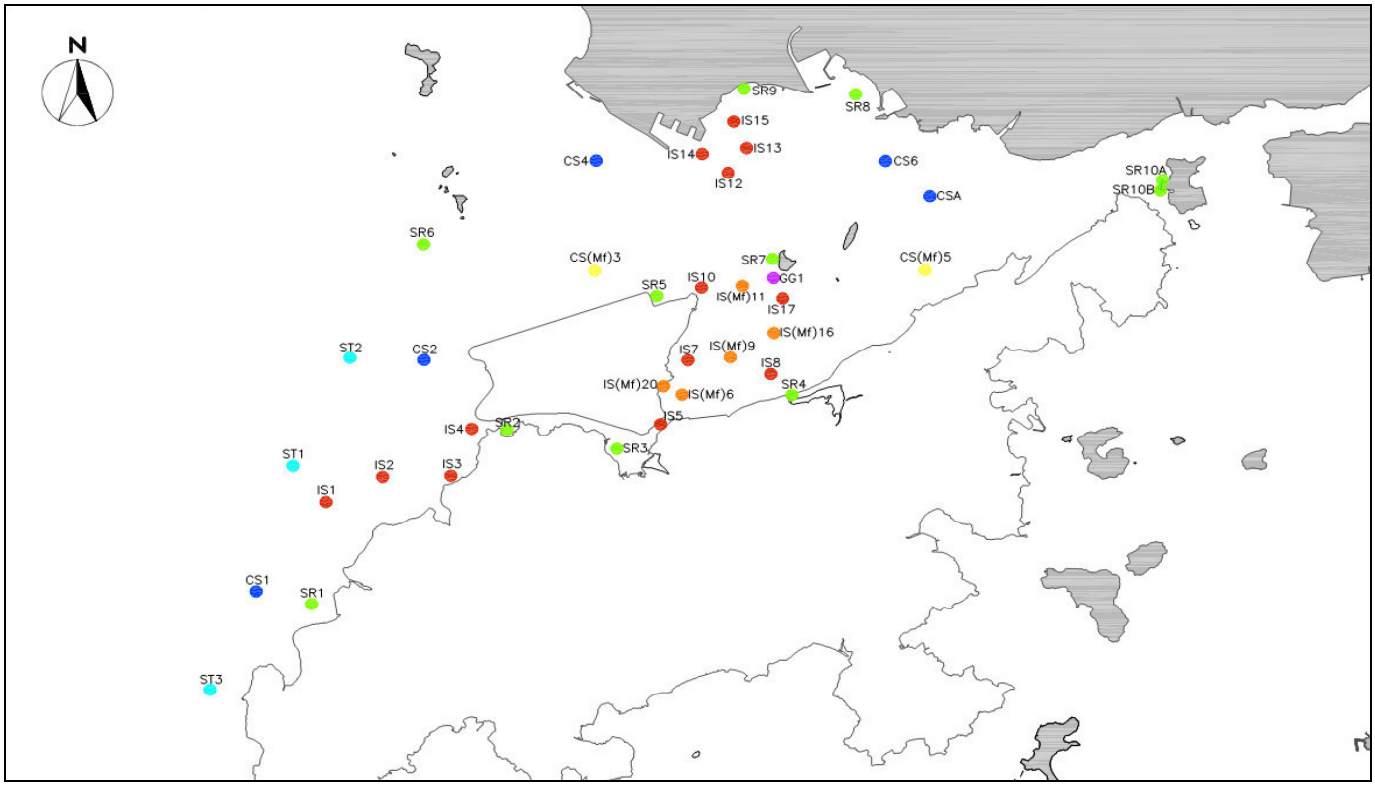
3. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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 : 14 February 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.: 098A

Date of Notification: 18 Feb 2013

Works Inspected: Data collected from water sampling works on 28 January 2013 and the test report was issued on 04 February 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: 3.20 x 120% = **3.8** mg/L for mid ebb) AND CS(Mf)5: 7.35 x 120% = **8.8** 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: 3.20x 130% = **4.2** mg/L for mid ebb) AND CS(Mf)5: 7.35 x 130% = **9.6** mg/L for mid flood)	7.4	***10.5***
SS	IS7	DA			8.1	***9.1***
SS	IS8	DA			6.6	***9.9***
SS	IS(Mf)9	DA			5.4	***9.7***
SS	IS10	DA			9.1	***14.7***
SS	SR3	DA			5.9	***6.5***
SS	SR4	DA			6.3	***6.3***
SS	SR5	DA			6.1	***11.7***
SS	SR10B	DA			5.3	***6.9***

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 28 January 2013, exceedances of LL at stations are IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR5 and SR10B were recorded for the mid-flood tide. As well as, an exceedance of AL at station SR4 was recorded for the 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 ranges of suspended solid IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4, SR5 and SR10B and 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
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 IS(Mf)6, IS7, 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.

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

monitoring results.

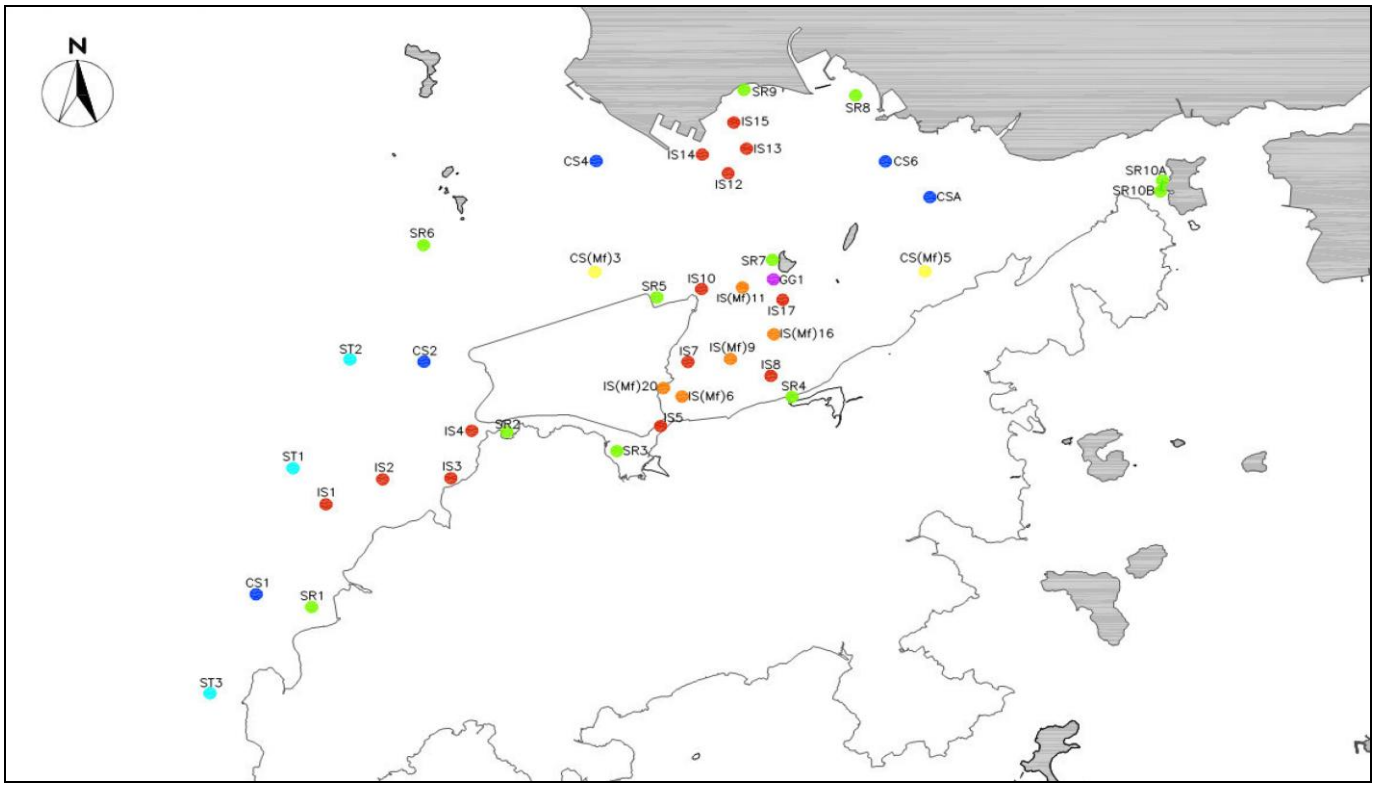
3. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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 February 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.: 088

Date of Notification: 14 February 2013

Works Inspected: Data collected from water sampling works on 1 February 2013 and the results were issued on 4 February 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: 3.68 x 120% =**4.4** for mid ebb AND CS(Mf)5: 4.60 x 120% = **5.5** for mid flood)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 3.68 x 130% =**4.8** for mid ebb AND CS(Mf)5: 4.60 x 130% = **6.0** for mid flood)	***6.2***	***8.4***
TURB	IS(Mf)6	DA			***8.3***	***6.4***
TURB	IS7	DA			4.4	***7.2***
TURB	IS8	DA			***6.8***	4.3
TURB	IS(Mf)9	DA			***5.7***	5.2
TURB	IS10	DA			2.7	***5.9***
TURB	SR3	DA			***5.5***	***11.2***

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 February 2013, exceedances of LL at stations IS5, IS(Mf)6, IS8, IS(Mf)9 and SR3 were recorded during mid-ebb tide. An exceedance of AL at station IS10 and LL exeedances at stations IS5, IS(Mf)6, IS7 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. The range of turbidity at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10 and SR3 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
SR10	2.6	to	11.4	1.9	to	13
SR3	4.6	to	65.7	7.7	to	19.7

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

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

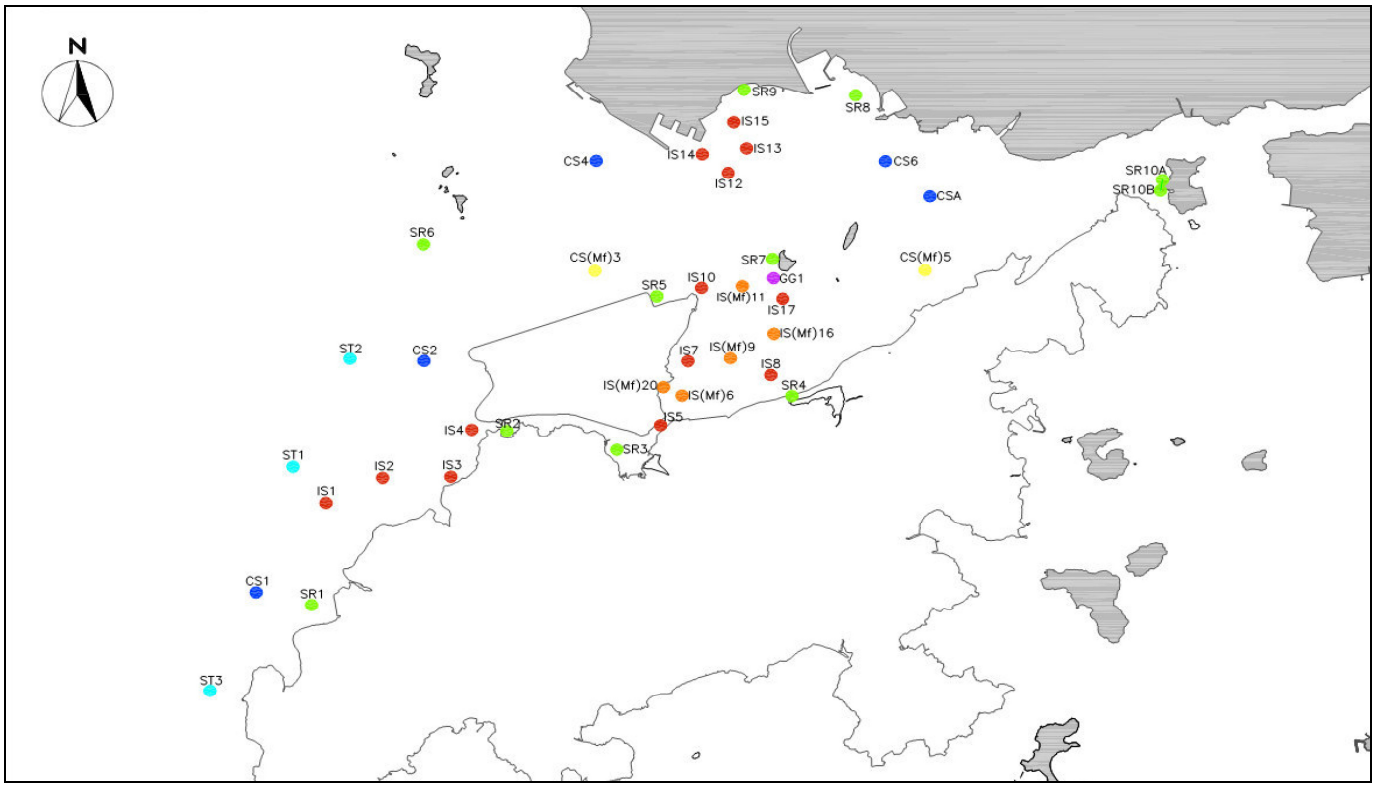
3. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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 : 14 February 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.: 089

Date of Notification: 14 February 2013

Works Inspected: Data collected from water sampling works on 4 February 2013 and the results were issued on 5 February 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: 2.72 x 120% =**3.3** for mid ebb AND CS(Mf)5: 2.00 x 120% = **2.4** for mid flood)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 2.72 x 130% =**3.5** for mid ebb AND CS(Mf)5: 2.00 x 130% = **2.6** for mid flood)	***5.4***	***5.8***
TURB	IS(Mf)6	DA			***9.8***	***7.1***
TURB	IS7	DA			***4.1***	***8.9***
TURB	IS8	DA			***3.4***	***4.6***
TURB	IS(Mf)9	DA			2.9	***4.5***
TURB	IS10	DA			3.0	***6.9***
TURB	SR3	DA			***6.9***	***6.9***
TURB	SR4	DA			***4.3***	***3.3***
TURB	SR5	DA			3.3	***5.4***

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 February 2013, an exceedance of AL at station IS8 and LL exceedances at stations IS5, IS(Mf)6, IS7, SR3 and SR4 were recorded during mid-ebb tide. Exceedances of LL 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. 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
SR10	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 value 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.

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

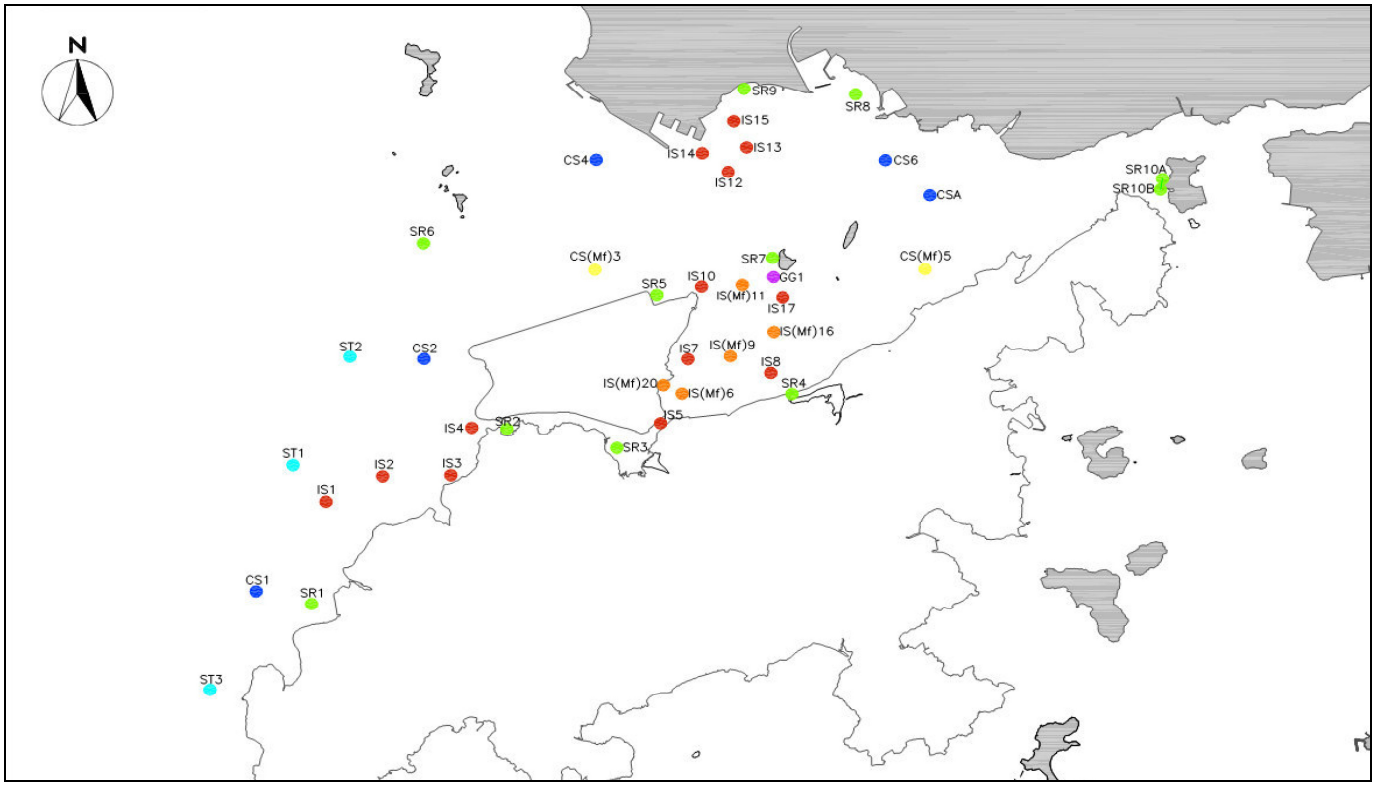
3. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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 : 14 February 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.: 091

Date of Notification: 14 February 2013

Works Inspected: Data collected from water sampling works on 6 February 2013 and the results were issued on 6 February 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: 2.23 x 120% =**2.7** for mid ebb AND CS(Mf)5: 1.40 x 120% = **1.7** for mid flood)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 2.23 x 130% =**2.9** for mid ebb AND CS(Mf)5: 1.40 x 130% = **1.8** for mid flood)	***3.8***	***3.5***
TURB	IS(Mf)6	DA			***6.9***	***8.8***
TURB	IS7	DA			***3.4***	***3.2***
TURB	IS8	DA			***3.3***	***3.8***
TURB	IS(Mf)9	DA			***3.9***	***5.3***
TURB	IS10	DA			2.1	***2.9***
TURB	SR3	DA			***3.2***	***2.7***
TURB	SR4	DA			***3.0***	***4.6***
TURB	SR5	DA			***3.2***	1.7
TURB	SR10A	DA			1.6	***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 6 February 2013, LL exceedances at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, SR3, SR4 and SR5 were recorded during mid-ebb tide. Exceedances of LL at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4 and SR10A 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. The range of turbidity at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4, SR5 and SR10A 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
SR10	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

Station	Range of Turbidity(NTU) Mid-Ebb Tide			Range of Turbidity(NTU) Mid-Flood Tide		
SR5	5.2	to	12.4	7.1	to	30.9
SR10A	2.6	to	11.4	1.9	to	13

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

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

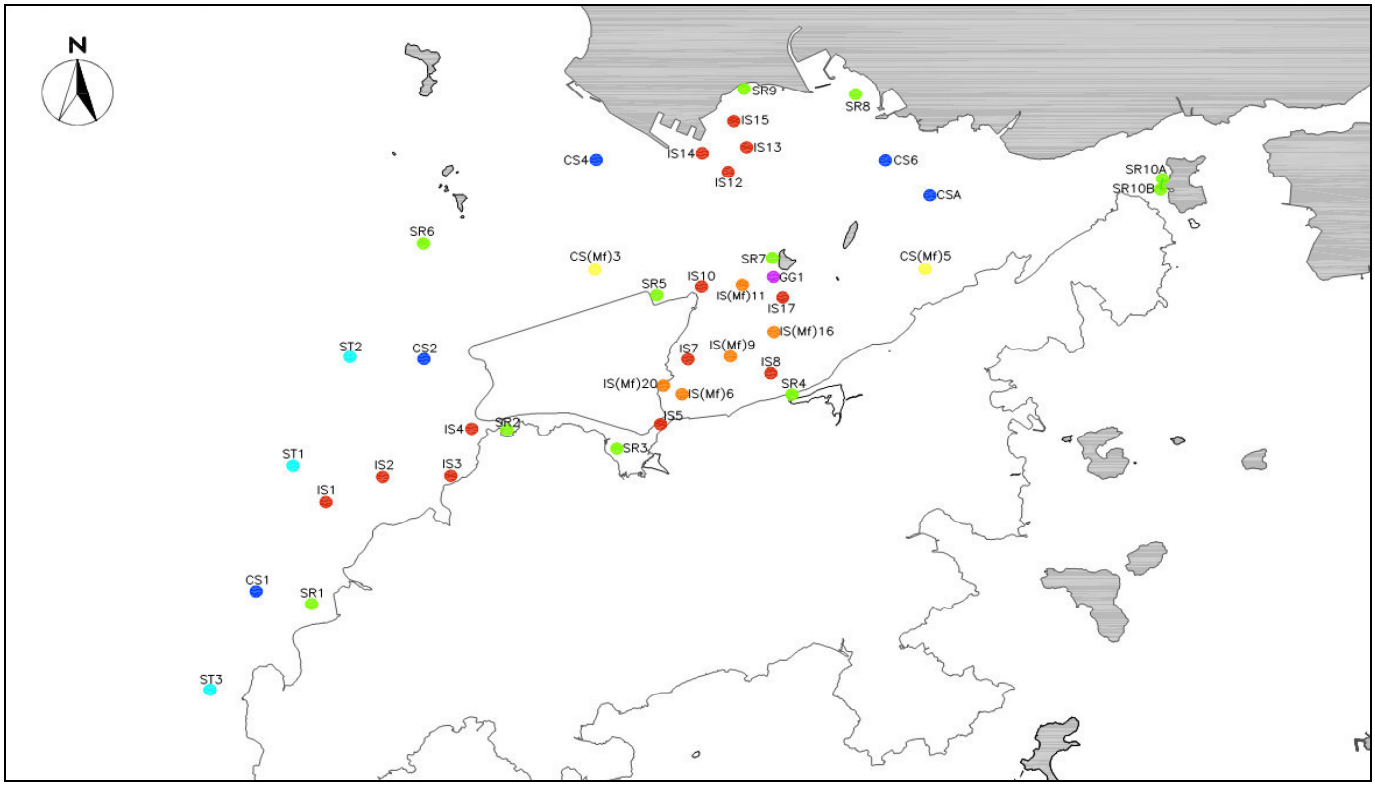
3. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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 : 14 February 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.: 092

Date of Notification: 20 Feb 2013

Works Inspected: Data collected from water sampling works on 01 February 2013 and the test report was issued on 08 February 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: 7.42 x 120% = **8.9** mg/L for mid ebb) AND CS(Mf)5: 3.97 x 120% = **4.8** 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: 7.42 x 130% = **9.6** mg/L for mid ebb) AND CS(Mf)5: 3.97 x 130% = **5.2** mg/L for mid flood)	6.7	***12.5***
SS	IS(Mf)6	DA			3.9	***5.3***
SS	IS7	DA			4.4	***8.7***
SS	IS8	DA			6.7	***5.7***
SS	IS(Mf)9	DA			4.9	***6.3***
SS	IS10	DA			2.8	***5.1***
SS	SR3	DA			7.1	***16.1***
SS	SR5	DA			7.5	***6.0***
SS	SR10B	DA			3.3	***5.9***

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 1 February 2013, an exceedance of AL at station at IS10 and LL exceedances at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3 SR5 and SR10B were recorded for the 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 sand filling activities were carried within silt curtain as recommended in the EIA report.
2. The ranges of suspended solid at IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3,SR5 and SR10B and 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
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 IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR5 and SR10B were within the ranges of

suspended solid during baseline monitoring for mid-ebb tide and mid-flood tide.

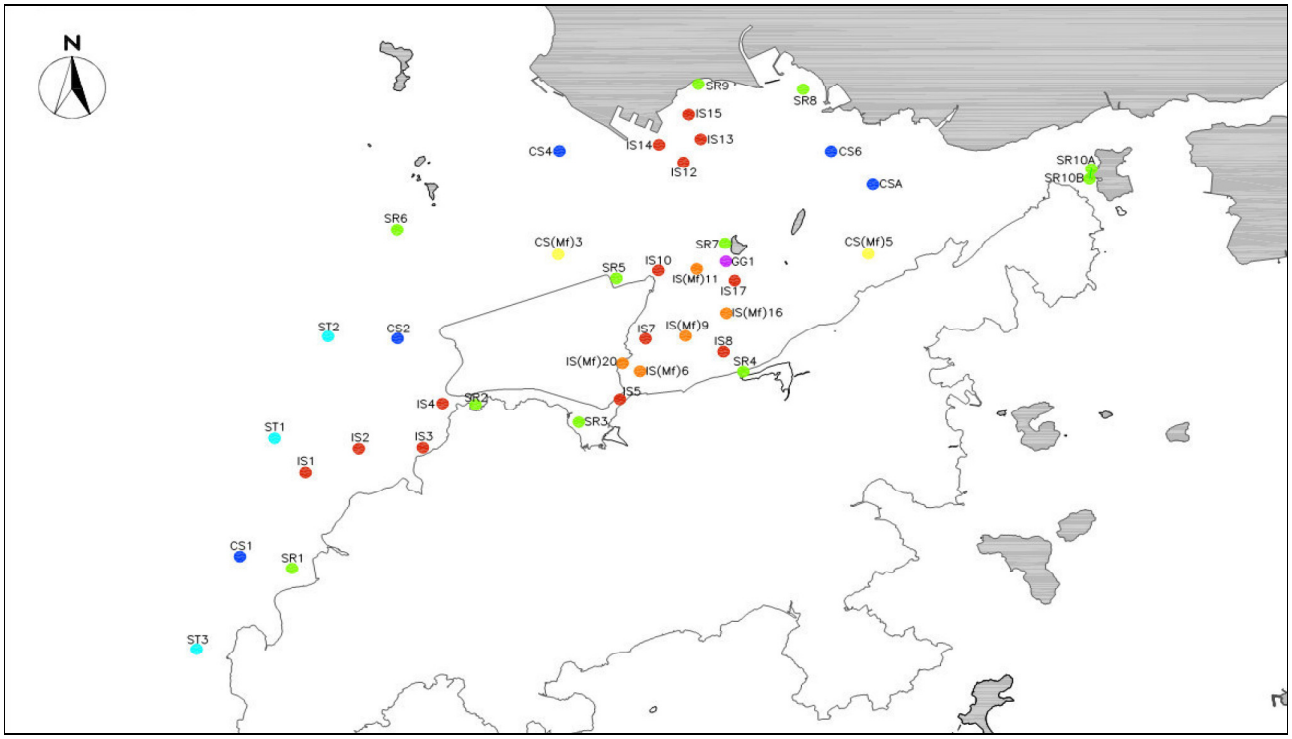
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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 : 20 February 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.: 093

Date of Notification: 20 Feb 2013

Works Inspected: Data collected from water sampling works on 04 February 2013 and the test report was issued on 14 February 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: 4.13 x 120% = **5.0** mg/L for mid ebb) AND CS(Mf)5: 2.58 x 120% = **3.1** 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: 4.13 x 130% = **5.4** mg/L for mid ebb) AND CS(Mf)5: 2.58 x 130% = **3.4** mg/L for mid flood)	4.7	***6.4***
SS	IS(Mf)6	DA			***6.5***	***5.9***
SS	IS7	DA			3.7	***4.7***
SS	IS8	DA			2.9	***3.7***
SS	IS(Mf)9	DA			2.9	***5.2***
SS	IS10	DA			2.9	***5.2***
SS	SR3	DA			***6.4***	***7.2***
SS	SR5	DA			***6.2***	***3.9***

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 4 February 2013, exceedances of LL at stations IS(Mf)6, SR3 and SR5 were recorded for the mid-ebb tide. Exeedances for LL at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3 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. The rock and sand filling activities were carried within silt curtain as recommended in the EIA report.
2. The ranges of suspended solid at IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3 and SR5 and 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
SR5	6.7	to	16.5	6.5	to	31.2

The measured values at IS5, 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.

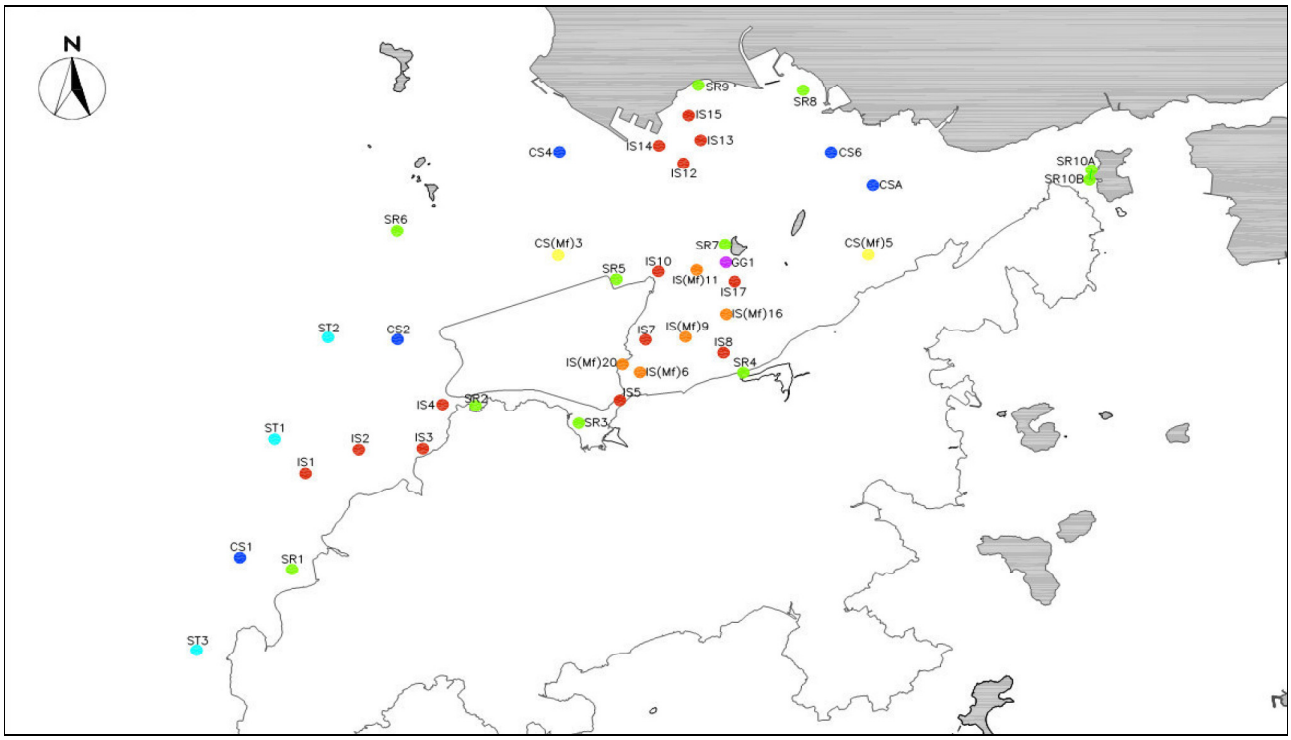
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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 : 20 February 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.: 094

Date of Notification: 20 February 2013

Works Inspected: Data collected from water sampling works on 8 February 2013 and the results were issued on 14 February 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: 2.55 x 120% =**3.1** for mid ebb AND CS(Mf)5: 2.00 x 120% = **2.4** for mid flood)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2: 2.55 x 130% =**3.3** for mid ebb AND CS(Mf)5: 2.00 x 130% = **2.6** for mid flood)	***5.3***	***5.9***
TURB	IS(Mf)6	DA			***13.6***	***7.2***
TURB	IS7	DA			***5.6***	***6.6***
TURB	IS8	DA			***3.8***	***4.7***
TURB	IS(Mf)9	DA			***4.8***	***5.8***
TURB	IS10	DA			2.8	***2.6***
TURB	SR3	DA			***3.9***	***4.1***
TURB	SR4	DA			***5.0***	***4.5***
TURB	SR5	DA			***4.0***	***5.8***
TURB	SR10A	DA			2.3	***2.5***
TURB	SR10B	DA			3.1	***2.5***

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 8 February 2013, LL exceedances at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, SR3, SR4 and SR5 were recorded during mid-ebb tide. AL exceedances at stations IS10, SR10A and SR10B and exceedances of LL at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, 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. Cleaning of stone platform 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, SR5, SR10A and SR10B 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
SR10	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
SR10A	2.6	to	11.4	1.9	to	13
SR10B	1.7	to	13.6	1.7	to	13.2

The measured value at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4, SR5, SR10A and SR10B 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.

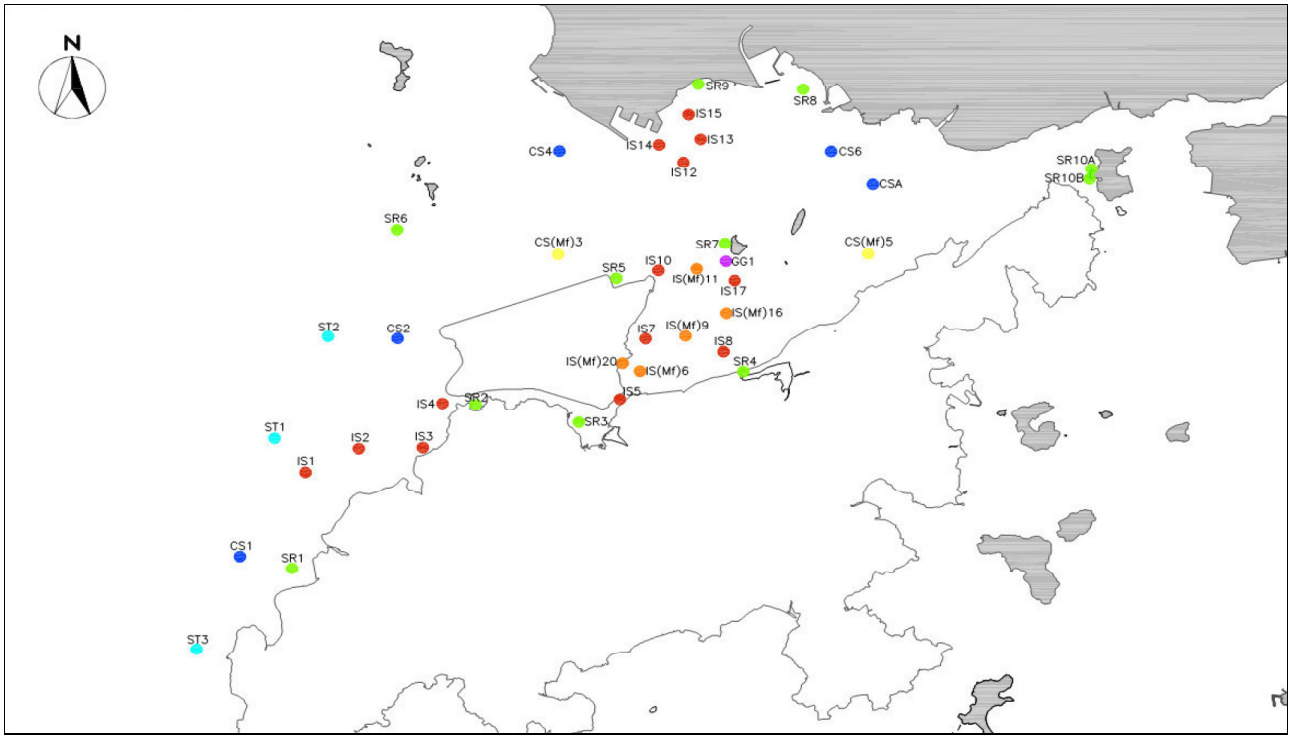
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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 : 20 February 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.: 095

Date of Notification: 20 February 2013

Works Inspected: Data collected from water sampling works on 11 February 2013 and the results were issued on 14 February 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: 2.10 x 120% =**2.5** for mid ebb AND CS(Mf)5: 2.05 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: 2.10 x 130% =**2.7** for mid ebb AND CS(Mf)5: 2.05 x 130% = **2.7** for mid flood)	***3.9***	***3.2***
TURB	IS(Mf)6	DA			***9.2***	***4.2***
TURB	IS7	DA			***4.4***	***4.4***
TURB	IS8	DA			***3.4***	***3.3***
TURB	IS(Mf)9	DA			***5.5***	***2.6***
TURB	SR3	DA			***3.3***	***3.6***
TURB	SR4	DA			***3.7***	***3.2***
TURB	SR10A	DA			2.2	***3.0***
TURB	SR10B	DA			2.2	***3.0***

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 11 February 2013, LL exceedances at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, SR3, and SR4 were recorded during mid-ebb tide. An AL exceedance at station IS(Mf)9 and exceedances of LL at stations IS5, IS(Mf)6, IS7, IS8, SR3, SR4, SR10A and SR10B 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. No marine activities were in operation during the sampling date (Chinese New Year).
2. The range of turbidity at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, SR3, SR4, SR10A and SR10B 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
SR3	4.6	to	65.7	7.7	to	19.7
SR4	5.2	to	18.9	5	to	20.6
SR10A	2.6	to	11.4	1.9	to	13
SR10B	1.7	to	13.6	1.7	to	13.2

   The measured value at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, SR3, SR4, SR10A and SR10B 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.

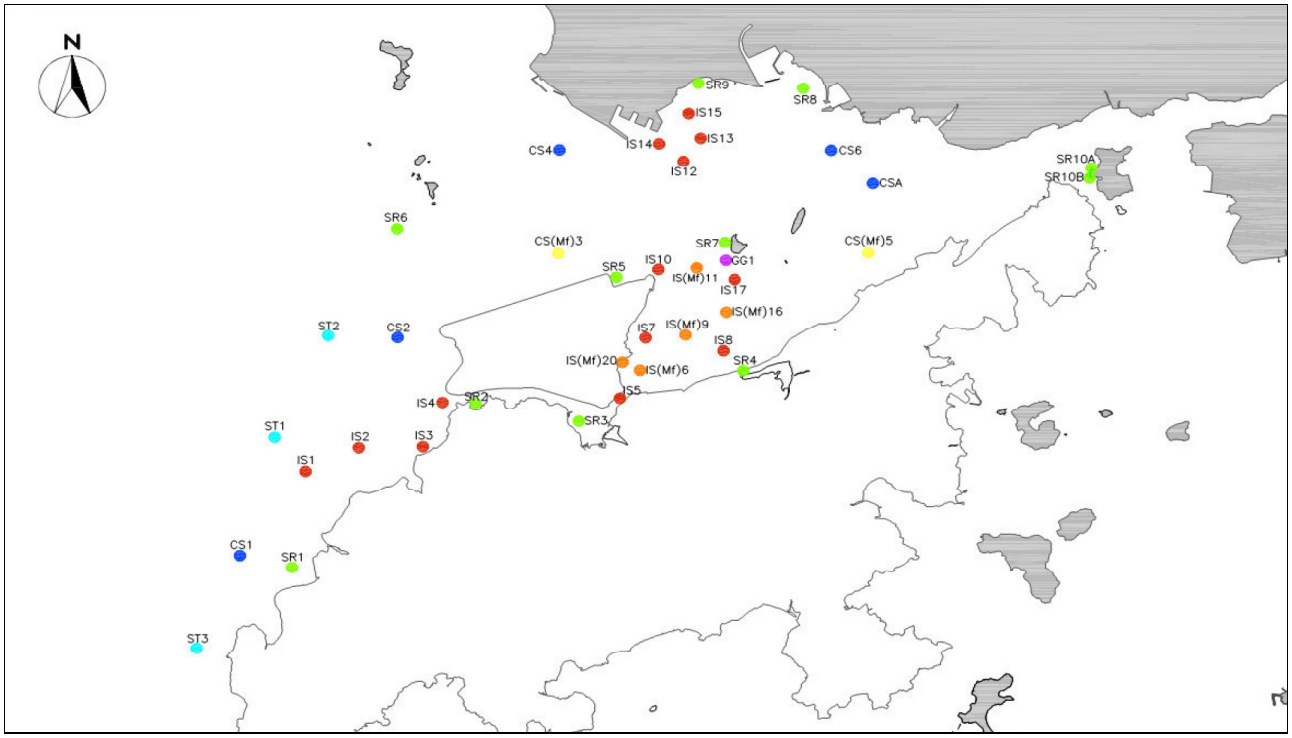
As such, the turbidity levels are considered to be attributed to other external factors such as sea condition, rather than the

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 : 20 February 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.: 096

Date of Notification: 20 February 2013

Works Inspected: Data collected from water sampling works on 13 February 2013 and the results were issued on 14 February 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: 2.60 x 120% =**3.1** for mid ebb AND CS(Mf)5: 2.73 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: 2.60 x 130% =**3.4** for mid ebb AND CS(Mf)5: 2.73 x 130% = **3.6** for mid flood)	***3.5***	***4.6***
TURB	IS(Mf)6	DA			***3.4***	***3.6***
TURB	IS7	DA			***3.5***	3.1
TURB	IS8	DA			***3.5***	***3.9***
TURB	IS(Mf)9	DA			***3.6***	***3.8***
TURB	SR3	DA			***3.5***	***4.4***
TURB	SR4	DA			***3.4***	***3.4***
TURB	SR10A	DA			2.5	***4.6***

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 13 February 2013, AL exceedances at stations IS(Mf)6 and SR4 and LL exceedances at stations IS5, IS7, IS8, IS(Mf)9 and SR3 were recorded during mid-ebb tide. AL exceedances at station IS(Mf)6 and SR4 and exceedances of LL at stations IS5, IS8, IS(Mf)9, SR3 and SR10A 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. No marine activities were in operation during the sampling date (Chinese New Year).
2. The range of turbidity at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, SR3, SR4 and SR10A 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
SR3	4.6	to	65.7	7.7	to	19.7
SR4	5.2	to	18.9	5	to	20.6
SR10A	2.6	to	11.4	1.9	to	13

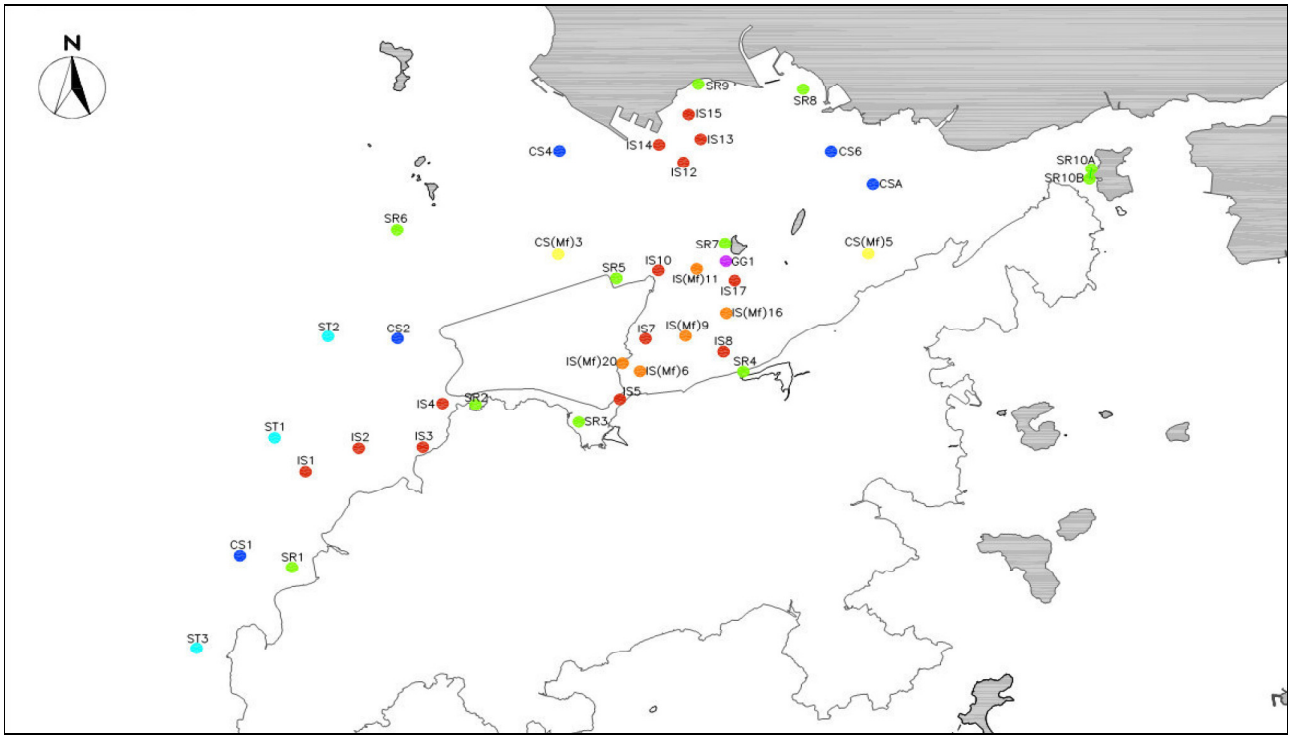
   The measured value at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, SR3, SR4 and SR10A were within the range of turbidity for mid-ebb tide and mid-flood tide during baseline monitoring.
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on 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 : 20 February 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.: 099

Date of Notification: 20 February 2013

Works Inspected: Data collected from water sampling works on 15 February 2013 and the results were issued on 18 February 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. CS2:2.15 x 120% = **2.6** for mid ebb AND CS(Mf)5: 5.78 x 120% = **6.9** for mid flood)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2:2.15 x 130% = **2.8** for mid ebb AND CS(Mf)5: 5.78 x 130% = **7.5** for mid flood)	***2.8***	3.0
TURB	IS(Mf)6	DA			***4.0***	3.0
TURB	IS7	DA			***3.4***	3.4
TURB	IS8	DA			***3.0***	3.8
TURB	IS(Mf)9	DA			***2.9***	4.6
TURB	SR3	DA			***3.7***	3.7
TURB	SR4	DA			***2.8***	3.7
TURB	SR5	DA			2.0	***8.0***

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 February 2013, AL exceedances at stations IS5 and SR4 and LL exceedances at IS(Mf)6, IS7, IS8, IS(Mf)9 and SR3 were recorded during mid-ebb tide. An exceedance of LL at 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 reason:

1. The cleaning of stone platform activities 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, 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
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 value at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, SR3, SR4 and SR5 were within the range of turbidity for mid-ebb tide and mid-flood tide during baseline monitoring.

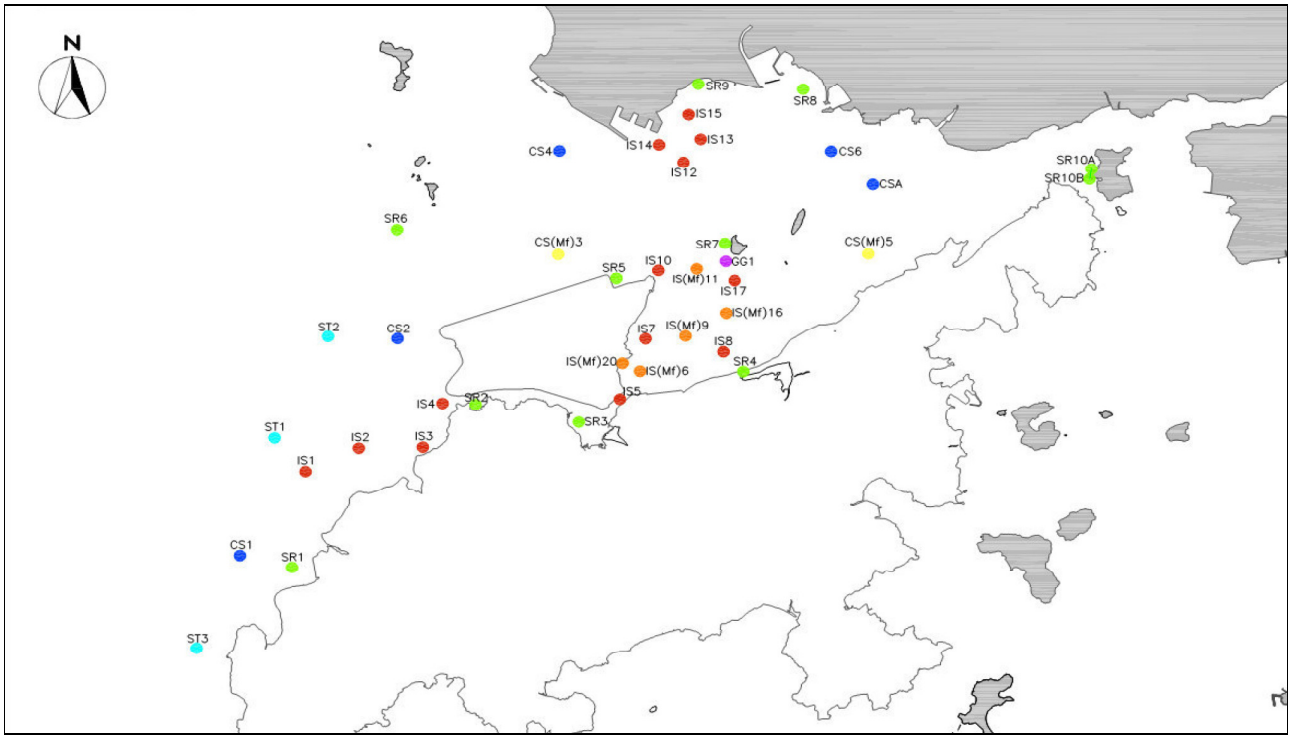
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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 : 20 February 2013

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

ndContract 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.: 100

Date of Notification: 20 Feb 2013

Works Inspected: Data collected from water sampling works on 06 February 2013 and the test report was issued on 18 February 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: 3.50 x 120% = **4.2** mg/L for mid ebb) AND CS(Mf)5: 3.88 x 120% = **4.7** 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: 3.50 x 130% = **4.6** mg/L for mid ebb) AND CS(Mf)5: 3.88 x 130% = **5.0** mg/L for mid flood)	***6.3***	***4.8***
SS	IS(Mf)9	DA			3.5	***5.3***
SS	SR5	DA			***4.3***	2.9

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 6 February 2013, an exceedance of AL at station SR5 and a LL exceedance at station IS(Mf)6 were recorded for the mid-ebb tide. An AL exceedance for station IS(Mf)6 and an exeedance for LL at stations IS(Mf)9 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. The sand filling and cleaning of stone platform activities were carried within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at IS(Mf)6, IS(Mf)9 and SR5 and 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
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 values at IS(Mf)6, IS(Mf)9 and SR5 were within the ranges of suspended solid during baseline monitoring for mid-ebb tide and mid-flood tide.

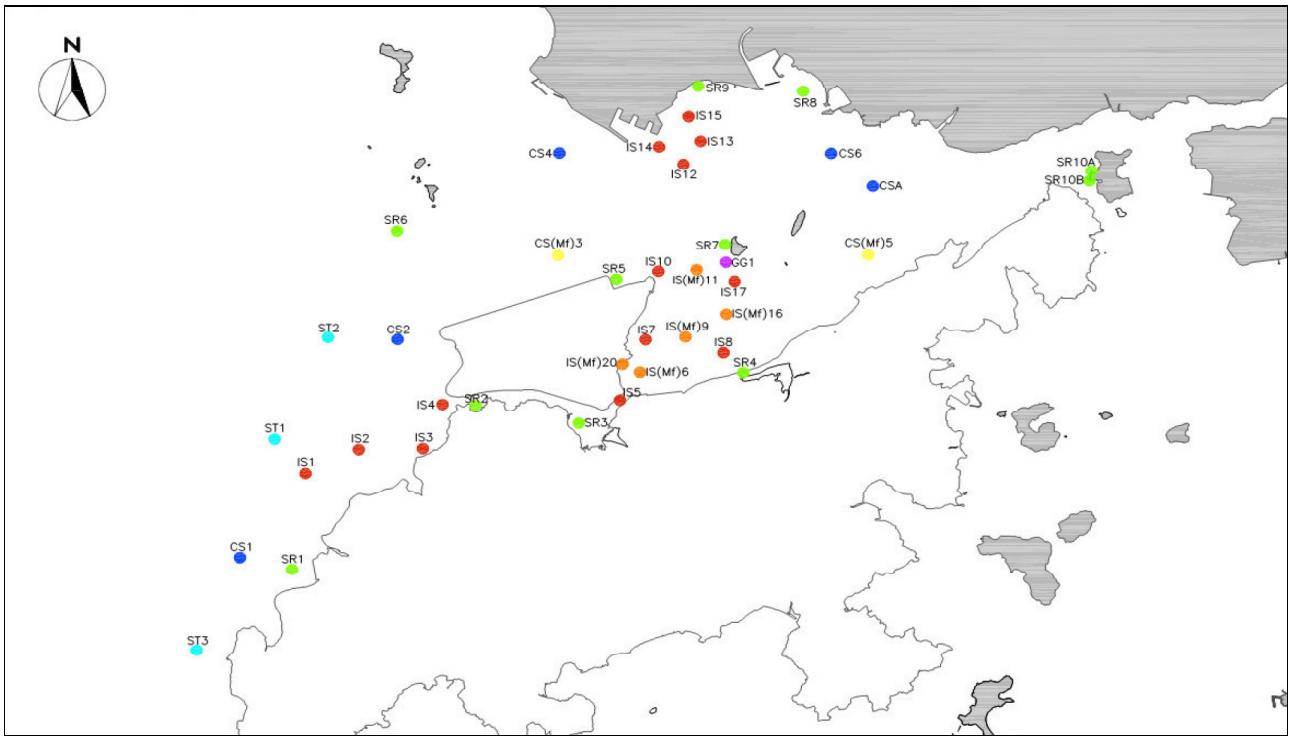
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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 : 20 February 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.: 101

Date of Notification: 1 March 2013

Works Inspected: Data collected from water sampling works on 18 February 2013 and the results were issued on 19 February 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. CS2:2.20 x 120% = **2.6** for mid ebb AND CS(Mf)5: 1.43 x 120% = **1.7** for mid flood)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2:2.20 x 130% = **2.9** for mid ebb AND CS(Mf)5: 1.43 x 130% = **1.9** for mid flood)	2.4	***2.7***
TURB	IS(Mf)6	DA			***3.4***	***2.7***
TURB	IS7	DA			***4.4***	***3.1***
TURB	IS8	DA			***4.0***	***2.7***
TURB	IS(Mf)9	DA			***4.0***	***2.1***
TURB	IS10	DA			2.2	***4.7***
TURB	SR3	DA			***3.6***	***2.3***
TURB	SR4	DA			***4.5***	***2.3***
TURB	SR5	DA			1.8	***3.5***
TURB	SR10B	DA			1.9	***1.8***

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 18 February 2013, LL exceedances at stations IS(Mf)6, IS7, IS8, IS(Mf)9, SR3 and SR4 were recorded during mid-ebb tide. An exceedance of AL at station SR10B and 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. The sand filling works were carried out at stone platform.
2. The range of turbidity at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4, SR5 and SR10B 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
SR10B	1.7	to	13.6	1.7	to	13.2

The measured value at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4, SR5 and SR10B were within the range of turbidity for mid-ebb tide and mid-flood tide during baseline monitoring.

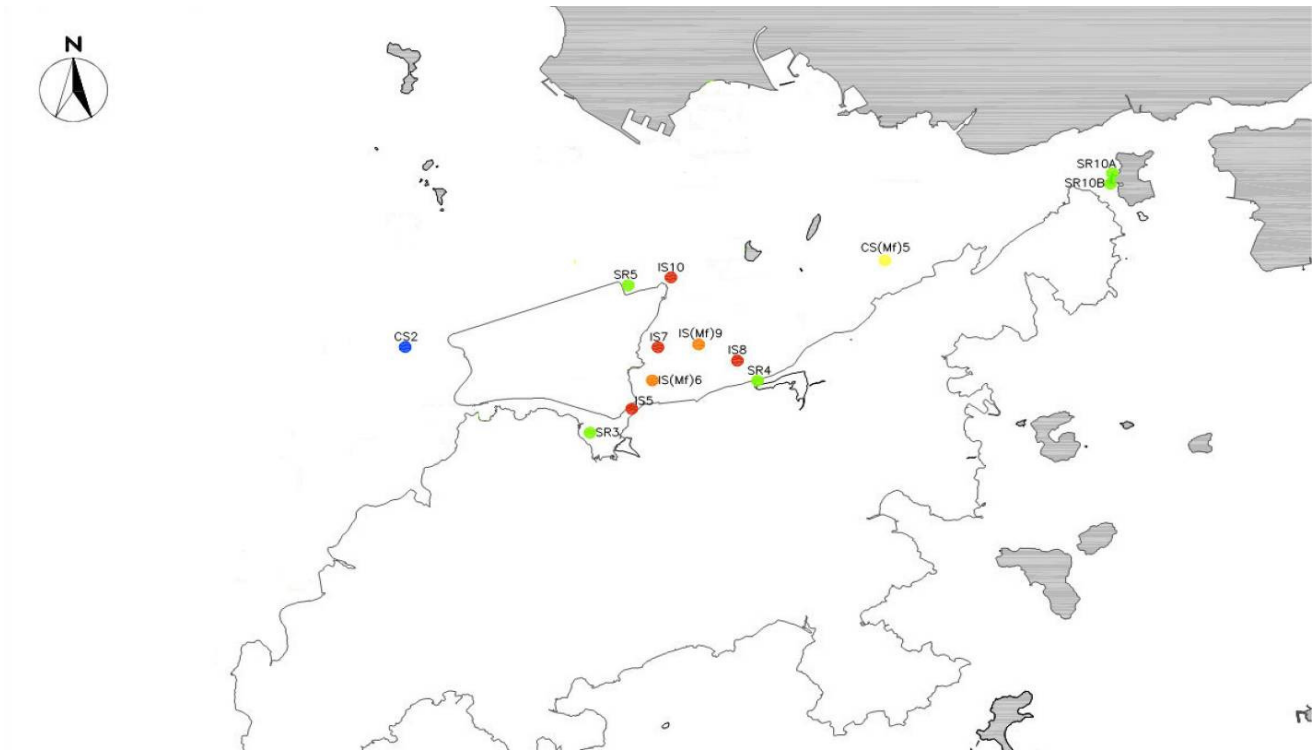
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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 : 1 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.: 102

Date of Notification: 1 March 2013

Works Inspected: Data collected from water sampling works on 08 February 2013 and the test report was issued on 20 February 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: 7.15 x 120% = **8.6** mg/L for mid ebb) AND CS(Mf)5: 4.75 x 120% = **5.7** 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: 7.15 x 130% = **9.3** mg/L for mid ebb) AND CS(Mf)5: 4.75 x 130% = **6.2** mg/L for mid flood)	7.4	***7.9***
SS	IS(Mf)6	DA			***15.5***	***9.5***
SS	IS7	DA			***10.8***	***10.2***
SS	IS8	DA			5.9	***7.2***
SS	IS(Mf)9	DA			6.6	***6.0***
SS	IS10	DA			6.9	***8.1***
SS	SR3	DA			6.7	***7.3***
SS	SR5	DA			***10.0***	***14.6***

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 8 February 2013, LL exceedances at station IS(Mf)6, IS7 and SR5 were recorded for the mid-ebb tide. An AL exceedance for station IS(Mf)9 and exeedances for LL at stations IS5, IS(Mf)6, IS7, IS8, IS10, SR3 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. The cleaning of stone platform activities were carried within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at IS5, 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		
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
SR5	6.7	to	16.5	6.5	to	31.2

The measured values at IS5, 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.

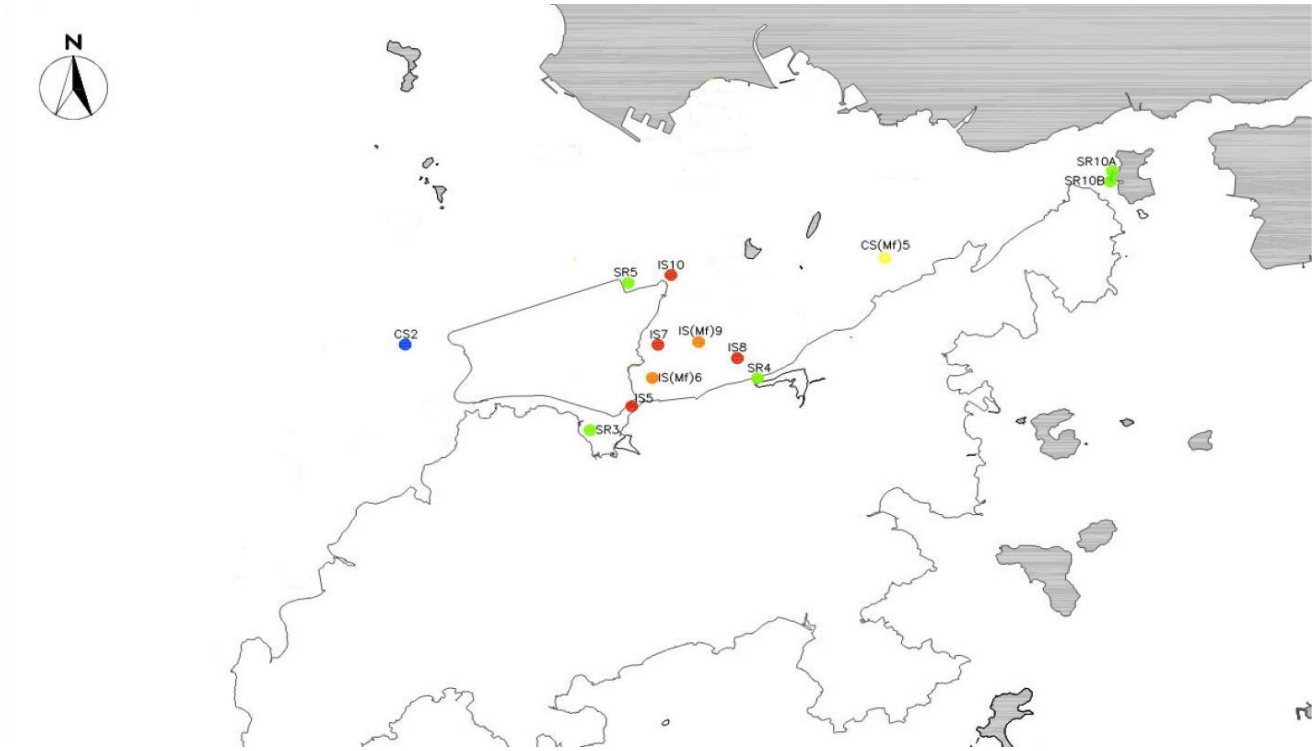
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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 : 1 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.: 103

Date of Notification: 1 March 2013

Works Inspected: Data collected from water sampling works on 11 February 2013 and the test report was issued on 20 February 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** or 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 5.98 x 120% = **7.2** mg/L for mid ebb) AND CS(Mf)5: 5.48 x 120% = **6.6** 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: 5.98 x 130% = **7.8** mg/L for mid ebb) AND CS(Mf)5: 5.48 x 130% = **7.1** mg/L for mid flood)	6.7	***6.8***
SS	SR5	DA			***8.0***	6.2
SS	SR10B	DA			4.8	***7.1***

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 11 February 2013, a LL exceedance at station SR5 was recorded for the mid-ebb tide. AL exceedances for stations IS7 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. No marine activities were in operation during the sampling date.
2. The ranges of suspended solid at IS7, 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		
IS7	6.1	to	21	7.8	to	34
SR5	6.7	to	16.5	6.5	to	31.2
SR10B	3.1	to	30.8	5.7	to	26.7

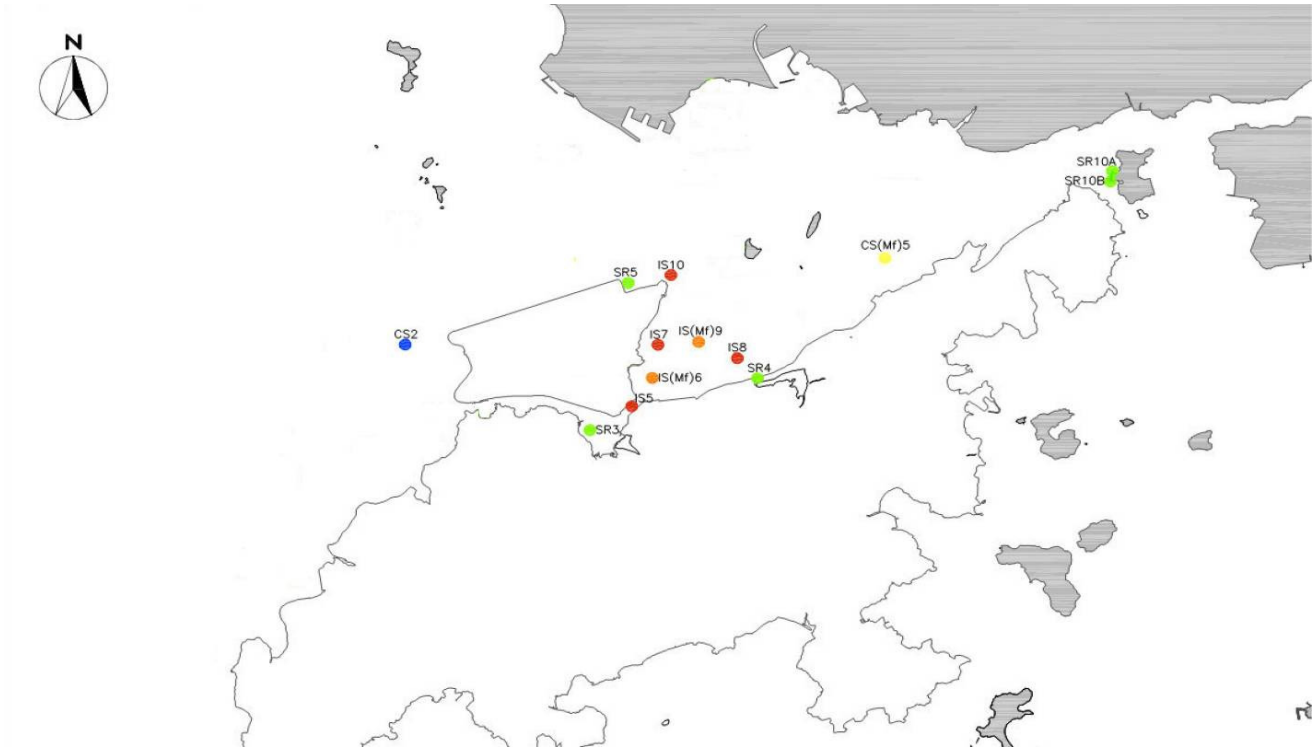
   The measured values at IS7, SR5 and SR10B were within the ranges of suspended solid during baseline monitoring for mid-ebb tide and mid-flood tide.
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage 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 : 1 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.: 104

Date of Notification: 1 March 2013

Works Inspected: Data collected from water sampling works on 20 February 2013 and the results were issued on 21 February 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. CS2:3.03 x 120% = **3.6** for mid ebb AND CS(Mf)5: 2.13 x 120% = **2.6** for mid flood)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2:3.03 x 130% = **3.9** for mid ebb AND CS(Mf)5: 2.13 x 130% = **2.8** for mid flood)	2.2	***2.8***
TURB	IS7	DA			***5.2***	***3.3***
TURB	IS8	DA			2.7	***4.1***
TURB	IS(Mf)9	DA			2.6	***3.5***
TURB	IS10	DA			2.2	***2.8***
TURB	SR4	DA			3.6	***3.2***
TURB	SR5	DA			2.2	***3.4***

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 20 February 2013, a LL exceedance at station IS7 was recorded during mid-ebb tide. Exceedances of AL at stations IS(Mf)6 and IS10 and LL exceedances at stations IS7, IS8, IS(Mf)9, 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. The sand filling works were carried out at stone platform
2. The range of turbidity at stations IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, 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
SR4	5.2	to	18.9	5	to	20.6
SR5	5.2	to	12.4	7.1	to	30.9

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

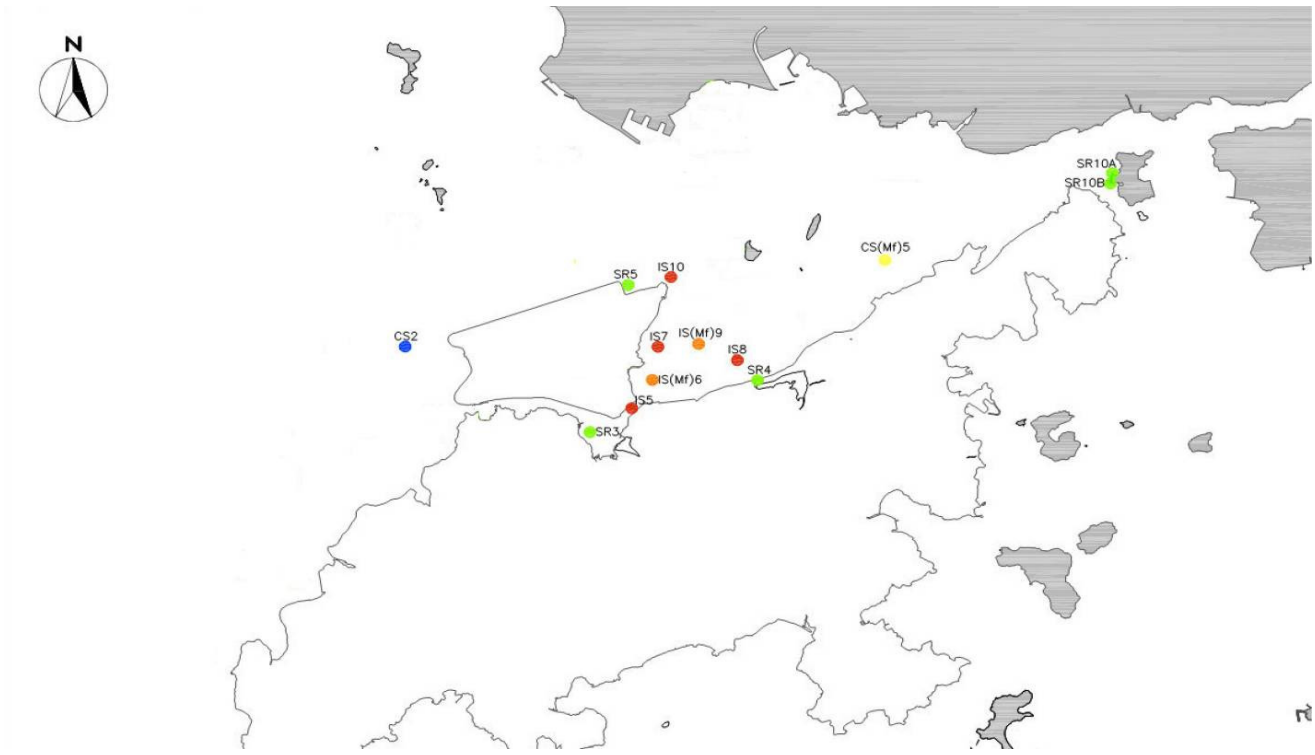
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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 : 1 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.: 105

Date of Notification: 1 March 2013

Works Inspected: Data collected from water sampling works on 13 February 2013 and the test report was issued on 21 February 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: 5.12 x 120% = **6.1** mg/L for mid ebb) AND CS(Mf)5: 2.62 x 120% = **3.1** 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: 5.12 x 130% = **6.7** mg/L for mid ebb) AND CS(Mf)5: 2.62 x 130% = **3.4** mg/L for mid flood)	3.4	***3.4***
SS	IS7	DA			3.5	***3.6***
SS	IS8	DA			2.3	***3.8***
SS	IS(Mf)9	DA			3.5	***3.4***
SS	IS10	DA			4.4	***6.4***
SS	SR3	DA			3.4	***5.4***
SS	SR4	DA			3.4	***4.3***
SS	SR5	DA			4.0	***4.3***
SS	SR10A	DA			2.4	***3.5***
SS	SR10B	DA			2.7	***3.5***

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 13 February 2013, AL exceedances for stations IS5 and IS(Mf)9 and LL exceedances at stations IS7, IS8, IS10, SR3, SR4, 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. No marine activities were in operation during the sampling date.
2. The ranges of suspended solid at IS5, IS7, IS8, IS(Mf)9, IS10, SR3, SR4, 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
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
SR10B	3.1	to	30.8	5.7	to	26.7

The measured values at IS5, IS7, IS8, IS(Mf)9, IS10, SR3, SR4, 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.

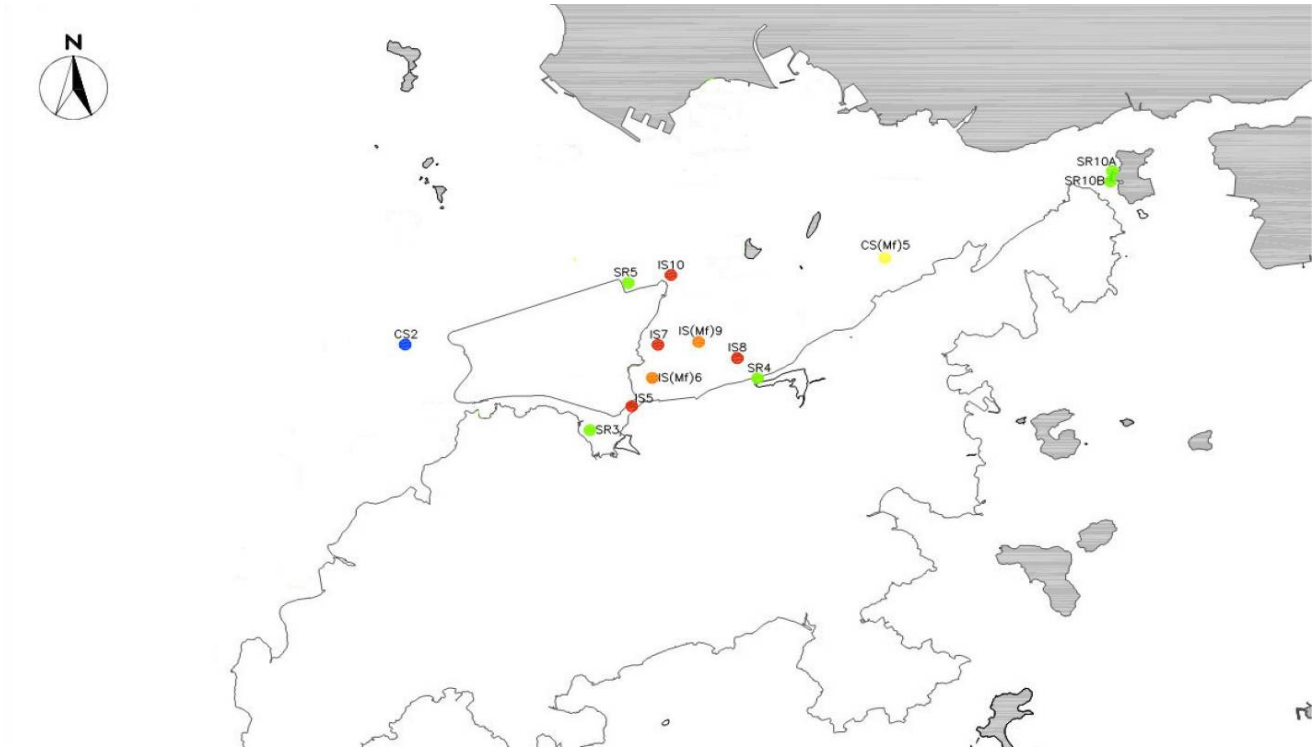
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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 : 1 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.: 106

Date of Notification: 1 March 2013

Works Inspected: Data collected from water sampling works on 15 February 2013 and the test report was issued on 22 February 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** or 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 5.72 x 120% = **6.9** mg/L for mid ebb) AND CS(Mf)5: 3.95 x 120% = **4.7** 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: 5.72 x 130% = **7.4** mg/L for mid ebb) AND CS(Mf)5: 3.95 x 130% = **5.1** mg/L for mid flood)	4.0	***6.6***
SS	IS8	DA			6.0	***5.4***
SS	IS(Mf)9	DA			5.7	***6.8***
SS	IS10	DA			5.3	***5.1***
SS	SR3	DA			5.3	***5.4***
SS	SR4	DA			***7.6***	***6.4***
SS	SR5	DA			***7.0***	***23.6***

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 February 2013, an AL exceedance for station SR5 and a LL exceedance at station, SR4 was recorded for mid-ebb tide. An AL exceedance for station IS10 and LL exceedances for stations IS7, IS8, IS(Mf)9, 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. The cleaning of stone platform activities were carried within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at 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		
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 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.

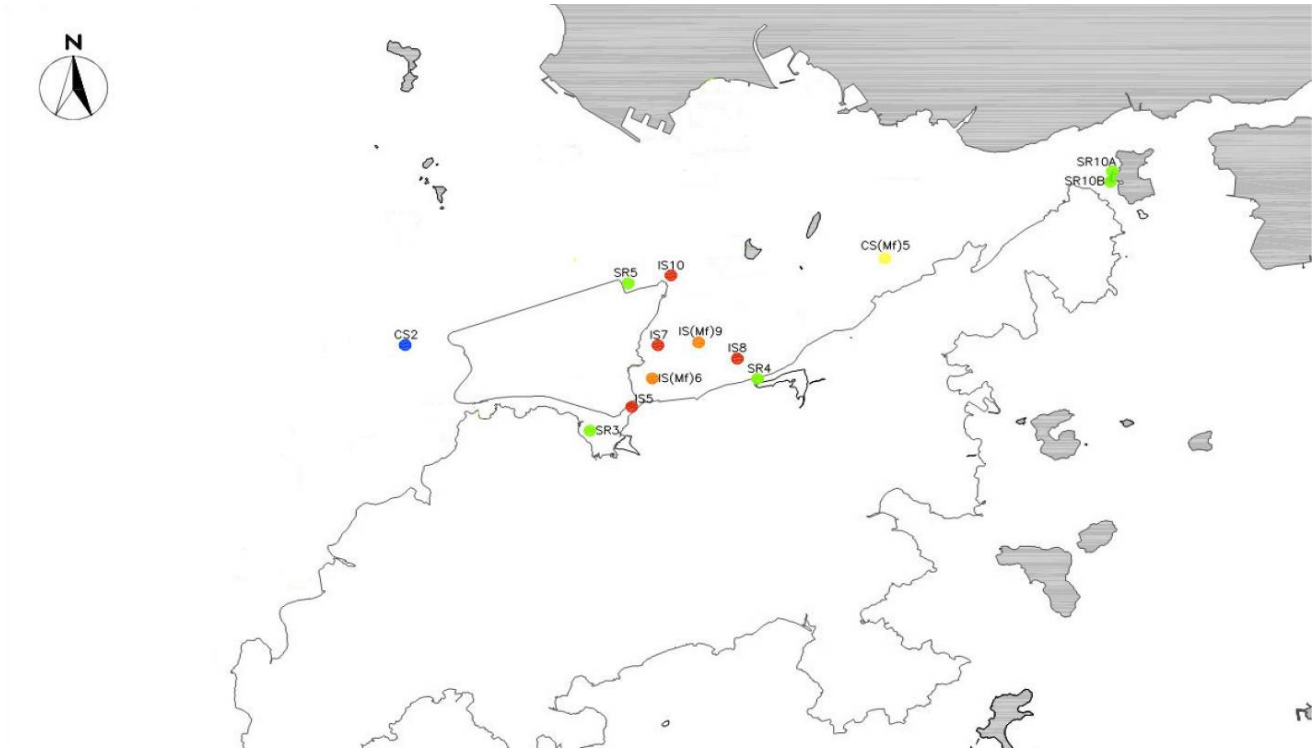
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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 : 1 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.: 107

Date of Notification: 1 March 2013

Works Inspected: Data collected from water sampling works on 18 February 2013 and the test report was issued on 25 February 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: 2.35 x 120% = **2.8** mg/L for mid ebb) AND CS(Mf)5: 2.53 x 120% = **3.0** 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: 2.35 x 130% = **3.1** mg/L for mid ebb) AND CS(Mf)5: 2.53 x 130% = **3.3** mg/L for mid flood)	2.8	***4.3***
SS	IS(Mf)6	DA			***3.5***	***3.1***
SS	IS7	DA			***3.5***	2.5
SS	IS8	DA			***3.4***	***3.2***
SS	IS(Mf)9	DA			***3.9***	***3.1***
SS	IS10	DA			2.2	***4.3***
SS	SR3	DA			***3.5***	2.4

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 18 February 2013, LL exceedances at stations IS(Mf)6, IS7, IS8, IS(Mf)9 and SR3 were recorded for mid-ebb tide. AL exceedances for stations IS(Mf)6, IS8, IS(Mf)9 and LL exceedances for stations IS5 and IS10 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. The sand filling works were carried out at stone platform.
2. The ranges of suspended solid at IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10 and SR3 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

   The measured values at IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10 and SR3 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.

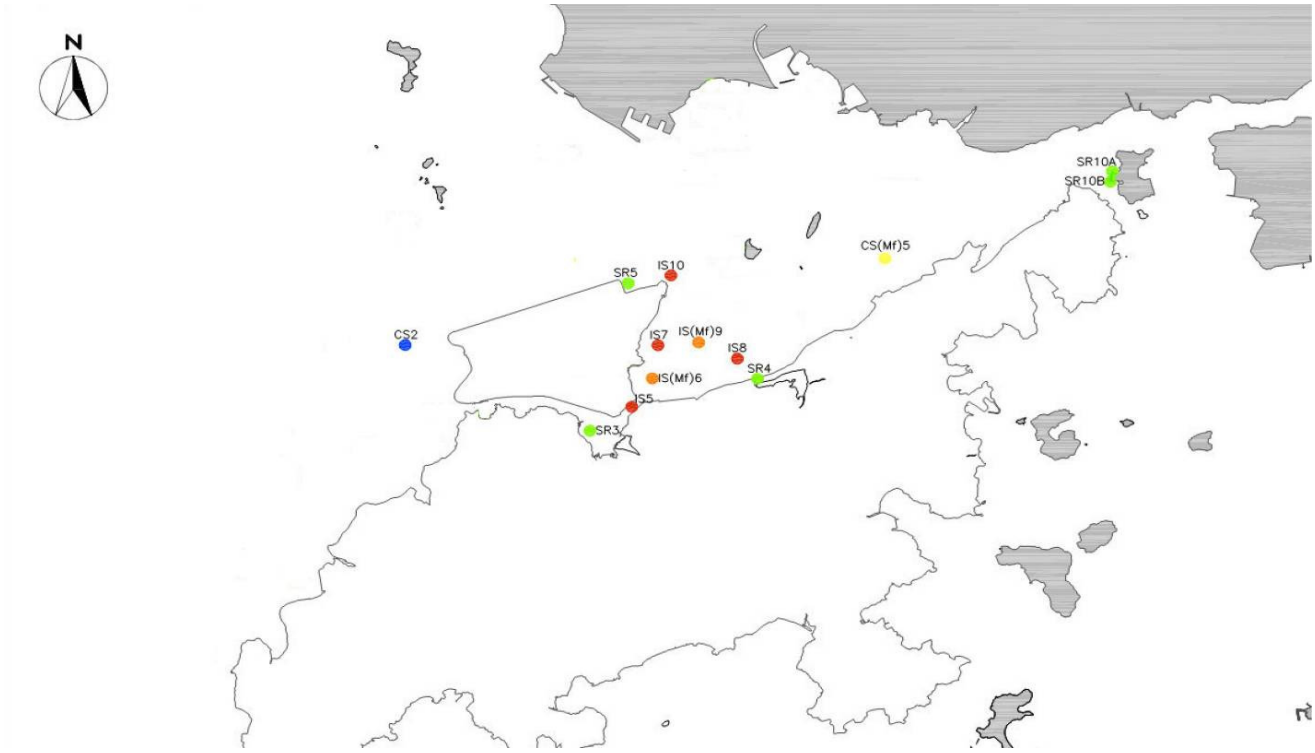
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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 : 1 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.: 108

Date of Notification: 1 March 2013

Works Inspected: Data collected from water sampling works on 20 February 2013 and the test report was issued on 27 February 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: 2.5 x 120% = **3.0** mg/L for mid ebb) AND CS(Mf)5: 1.43 x 120% = **1.7** 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: 2.5 x 130% = **3.3** mg/L for mid ebb) AND CS(Mf)5: 1.43 x 130% = **1.9** mg/L for mid flood)	2.9	***2.9***
SS	IS(Mf)6	DA			***3.8***	***3.5***
SS	IS7	DA			***3.8***	***4.7***
SS	IS8	DA			***5.1***	***3.5***
SS	IS(Mf)9	DA			***3.9***	***5.1***
SS	IS10	DA			3.0	***2.9***
SS	SR3	DA			***3.3***	***2.6***
SS	SR4	DA			***3.2***	***3.3***
SS	SR5	DA			2.4	***3.1***

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 20 February 2013, AL exceedances at stations SR3, SR4 and LL exceedances at stations, IS(Mf)6, IS7, IS8, IS(Mf)9 were recorded for mid-ebb tide. LL exceedances for stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, 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. The sand filling works were carried out at stone platform
2. The ranges of suspended solid at IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4, 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 IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4, 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.

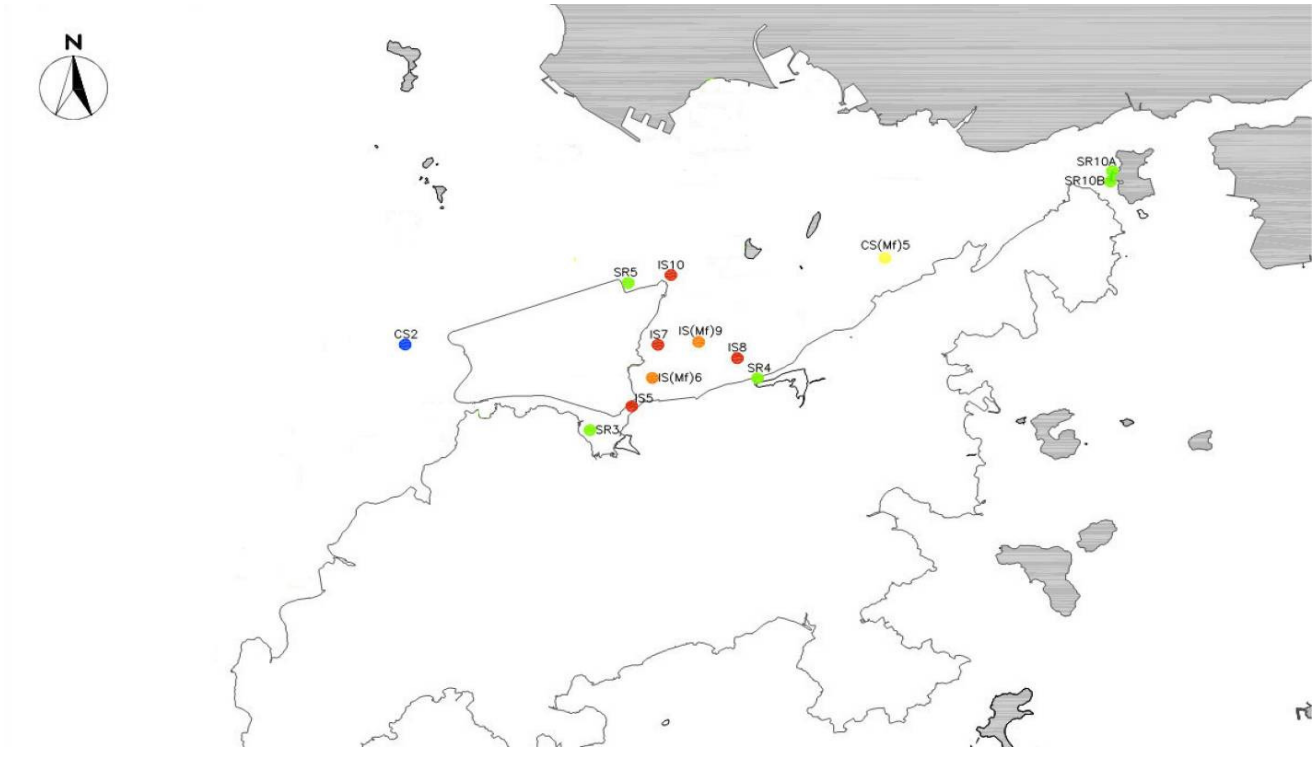
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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 : 1 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.: 109

Date of Notification: 1 March 2013

Works Inspected: Data collected from water sampling works on 22 February 2013 and the results were issued on 25 February 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. CS2:2.60 x 120% = **3.1** for mid ebb AND CS(Mf)5: 1.85x 120% = **2.2** for mid flood)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2:2.60 x 130% = **3.4** for mid ebb AND CS(Mf)5: 1.85 x 130% = **2.4** for mid flood)	***5.4***	***3.3***
TURB	IS7	DA			3.0	***3.3***
TURB	IS(Mf)9	DA			2.5	***4.7***
TURB	IS10	DA			***3.3***	1.6
TURB	SR3	DA			1.9	***2.3***
TURB	SR4	DA			2.0	***2.5***
TURB	SR5	DA			***3.9***	1.8

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 22 February 2013, an AL exceedance at station IS10 and LL exceedances at stations IS(Mf)6 and SR5 were recorded during mid-ebb tide. An AL exceedance at station SR3 and LL exceedances at stations IS(Mf)6, IS7, IS(Mf)9 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. The sand filling works were carried out at stone platform
2. The range of turbidity at stations IS(Mf)6, IS7, 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
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 value at stations IS(Mf)6, IS7, 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.

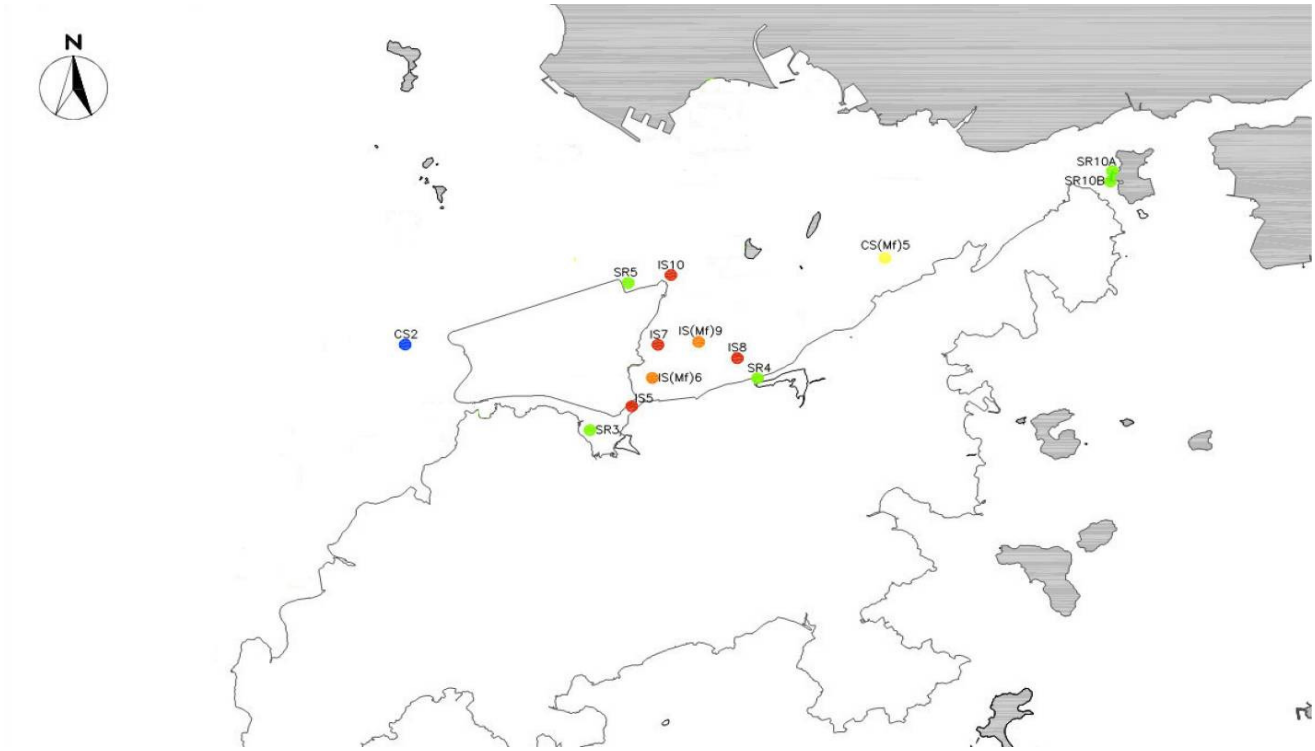
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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 : 1 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.: 110

Date of Notification: 5 March 2013

Works Inspected: Data collected from water sampling works on 25 February 2013 and the results were issued on 28 February 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. CS2:1.98 x 120% = **2.4** for mid ebb AND CS(Mf)5: 2.40 x 120% = **2.9** for mid flood)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2:1.98 x 130% = **2.6** for mid ebb AND CS(Mf)5: 2.40 x 130% = **3.1** for mid flood)	***5.3***	***3.8***
TURB	IS7	DA			***5.2***	***3.8***
TURB	IS(Mf)9	DA			1.6	***3.1***
TURB	IS10	DA			***3.1***	2.6
TURB	SR4	DA			1.9	***4.2***
TURB	SR5	DA			***3.7***	1.7

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 25 February 2013, LL exceedances at stations IS(Mf)6, IS7, IS10 and SR5 were recorded during mid-ebb tide. An AL exceedance at station IS(Mf)9 and LL exceedances at stations IS(Mf)6, IS7 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. The sand filling works were carried out within silt curtain as recommended in the EIA Report.
2. The range of turbidity at stations IS(Mf)6, IS7, IS(Mf)9, IS10, 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
IS(Mf)9	2.7	to	17	3.4	to	22.6
IS10	6.7	to	14.7	8.4	to	20.8
SR4	5.2	to	18.9	5	to	20.6
SR5	5.2	to	12.4	7.1	to	30.9

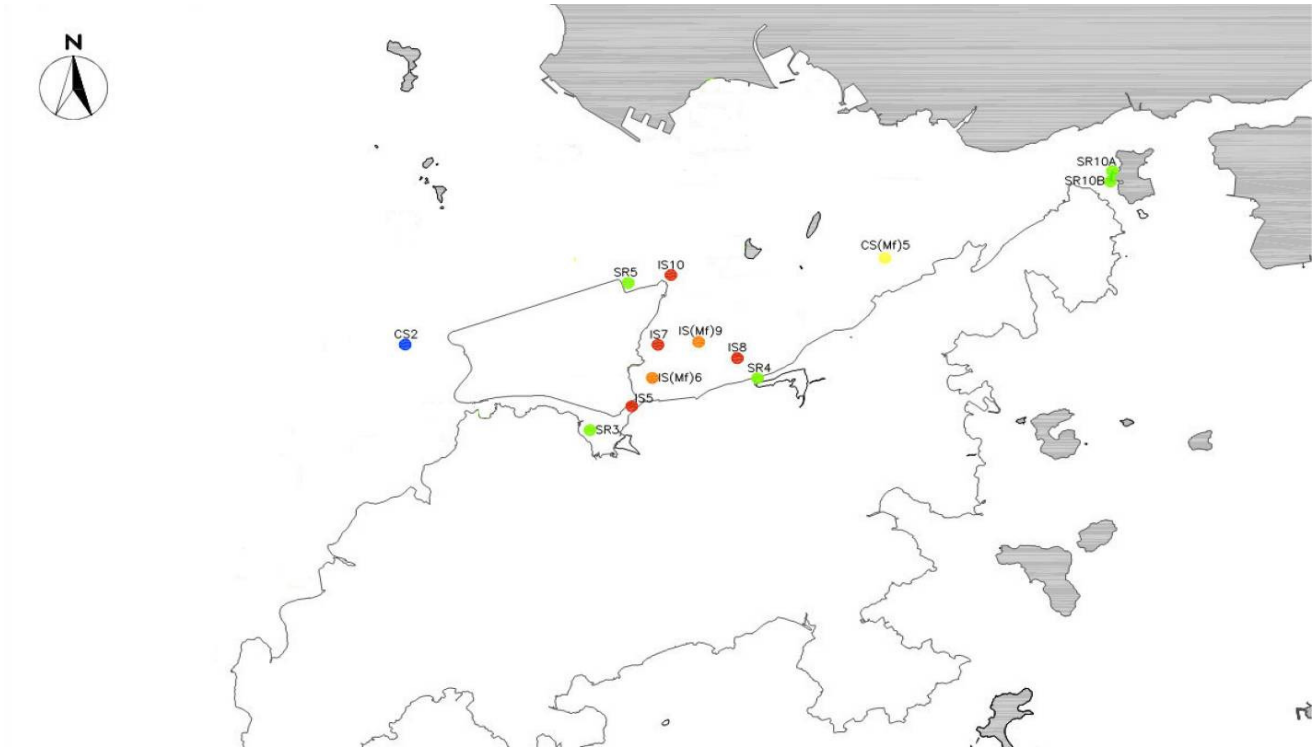
   The measured value at stations IS(Mf)6, IS7, IS(Mf)9, IS10, SR4 and SR5 were within the range of turbidity for mid-ebb tide and mid-flood tide during baseline monitoring.
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring 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 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.: 111

Date of Notification: 5 March 2013

Works Inspected: Data collected from water sampling works on 27 February 2013 and the results were issued on 28 February 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. CS2:4.67 x 120% = **5.6** for mid ebb AND CS(Mf)5: 7.25 x 120% = **8.7** for mid flood)	**47.0** or 130% of upstream control station's turbidity at the same tide of the same day (i.e. CS2:4.67 x 130% = **6.1** for mid ebb AND CS(Mf)5: 7.25 x 130% = **9.4** for mid flood)	***6.4***	7.2

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 27 February 2013, a LL exceedance at station IS(Mf)6 was recorded during mid-ebb 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 station IS(Mf)6 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

The measured value at station IS(Mf)6 was within the range of turbidity for mid-ebb tide and mid-flood tide during baseline monitoring.

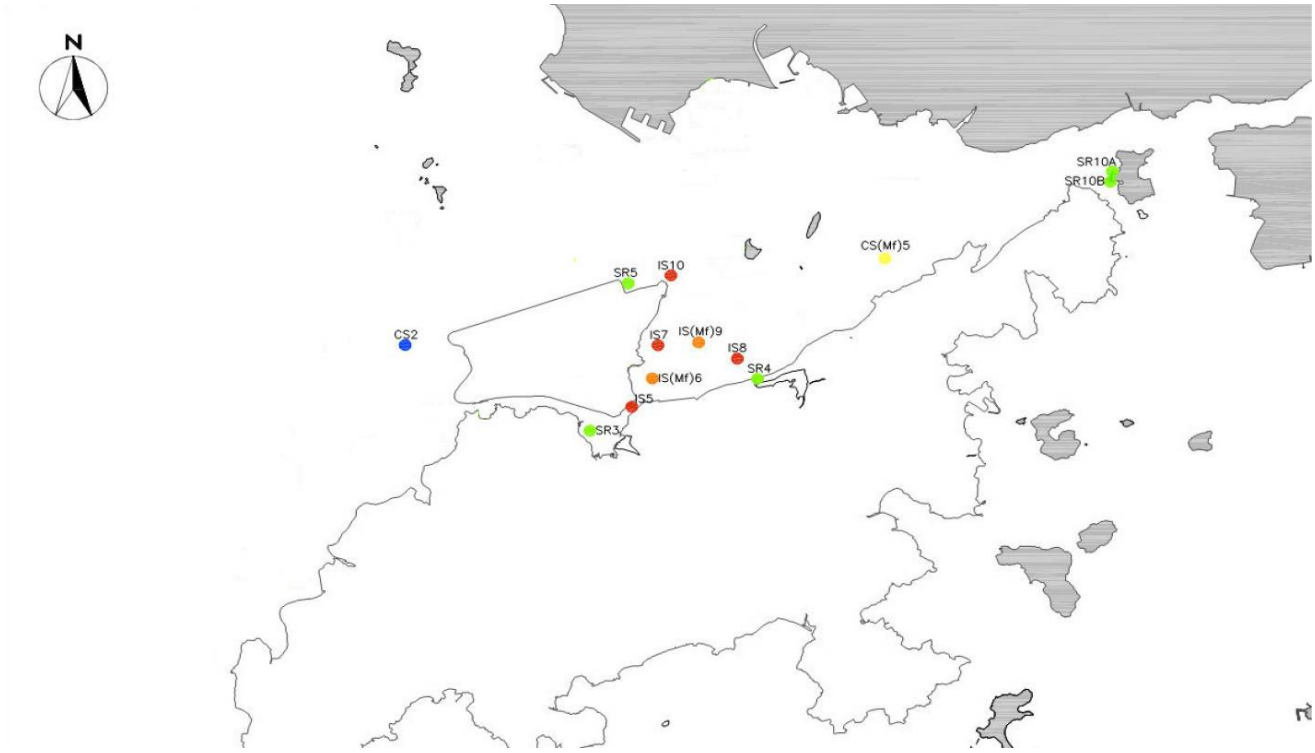
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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 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.: 112

Date of Notification: 5 March 2013

Works Inspected: Data collected from water sampling works on 22 February 2013 and the test report was issued on 2 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: 4.23x 120% = **5.1** mg/L for mid ebb) AND CS(Mf)5: 1.5 x 120% = **1.8** 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: 4.23 x 130% = **5.5** mg/L for mid ebb) AND CS(Mf)5: 1.5 x 130% = **2.0** mg/L for mid flood)	***5.5***	***3.2***
SS	IS(Mf)6	DA			***6.8***	***3.7***
SS	IS7	DA			***5.3***	***4.2***
SS	IS8	DA			3.4	***3.6***
SS	IS(Mf)9	DA			2.3	***5.1***
SS	IS10	DA			4.4	***2.7***
SS	SR3	DA			3.2	***3.4***
SS	SR4	DA			2.3	***3.6***
SS	SR5	DA			4.4	***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 February 2013, AL exceedances at stations IS5 and IS7 and an LL exceedance at station IS(Mf)6 were recorded for mid-ebb tide. LL exceedances at stations IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, 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. The sand filling works were carried out at stone platform.
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.

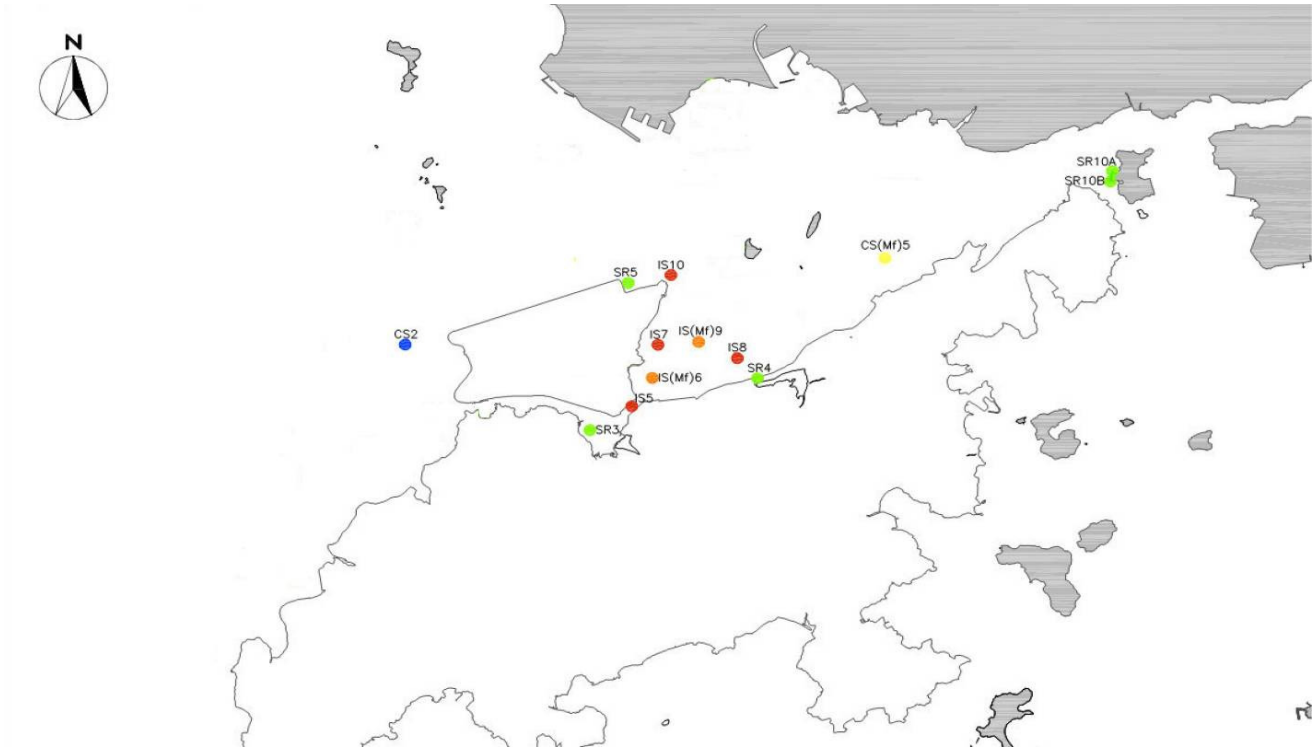
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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 : 5 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.: 113

Date of Notification: 5 March 2013

Works Inspected: Data collected from water sampling works on 25 February 2013 and the test report was issued on 5 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: 2.87 x 120% = **3.4** 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: 2.87 x 130% = **3.7** mg/L for mid ebb) AND CS(Mf)5: 2.72 x 130% = **3.5** mg/L for mid flood)	3.4	***4.6***
SS	IS(Mf)6	DA			***7.7***	***5.1***
SS	IS7	DA			***7.4***	***6.0***
SS	IS8	DA			***3.9***	3.1
SS	IS(Mf)9	DA			3.2	***5.1***
SS	IS10	DA			***3.8***	2.5
SS	SR3	DA			***4.4***	***5.4***
SS	SR4	DA			***4.0***	***3.6***
SS	SR5	DA			***4.2***	***3.5***
SS	SR10B	DA			***3.5***	3.1

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 25 February 2013, an AL exceedance at station SR10B and LL exceedances at stations IS(Mf)6, IS7, IS8, IS10, SR3, SR4 and SR5 were recorded for mid-ebb tide. An AL exceedance at station SR5 and LL exceedances at stations IS5, IS(Mf)6, IS7, IS(Mf)9, SR3 and SR4 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. The sand filling works were carried out 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 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
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, IS(Mf)6, IS7, 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.

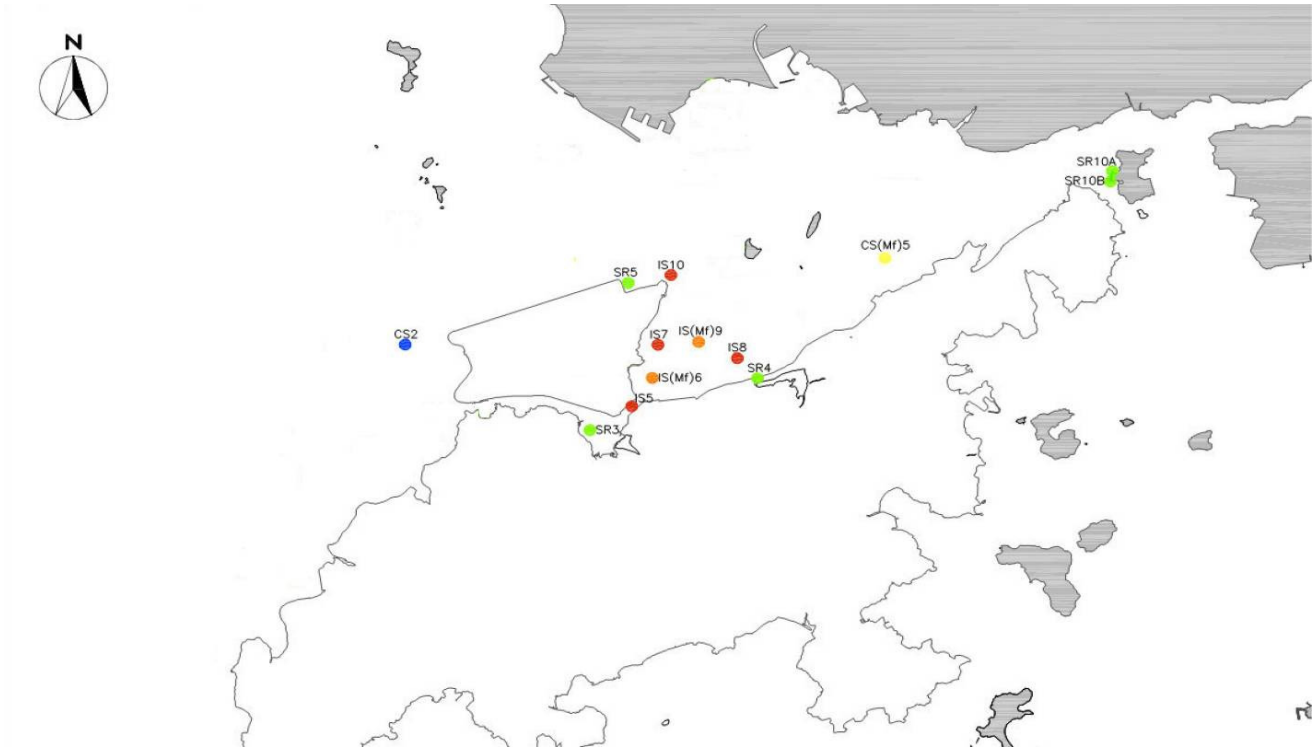
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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 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.: 114

Date of Notification: 7 March 2013

Works Inspected: Data collected from water sampling works on 27 February 2013 and the test report was issued on 6 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: 4.95 x 120% = **5.9** mg/L for mid ebb) AND CS(Mf)5: 2.90 x 120% = **3.5** 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: 2.90 x 130% = **3.8** mg/L for mid flood)	***9.0***	***5.7***
SS	IS7	DA			5.3	***5.6***
SS	IS8	DA			2.8	***5.1***
SS	IS(Mf)9	DA			3.9	***6.1***
SS	IS10	DA			4.2	***6.9***
SS	SR3	DA			3.9	***3.8***
SS	SR4	DA			2.5	***4.5***
SS	SR5	DA			3.1	***7.2***
SS	SR10A	DA			3.1	***5.4***
SS	SR10B	DA			2.9	***5.4***

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 27 February 2013, a LL exceedance at station IS(Mf)6 was recorded for mid-ebb tide. An AL exceedance at station SR3 and LL exceedances at stations IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR4, 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 was 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, SR4, 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		
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
SR10B	3.1	to	30.8	5.7	to	26.7

The measured values at stations IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, SR3, SR4 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.

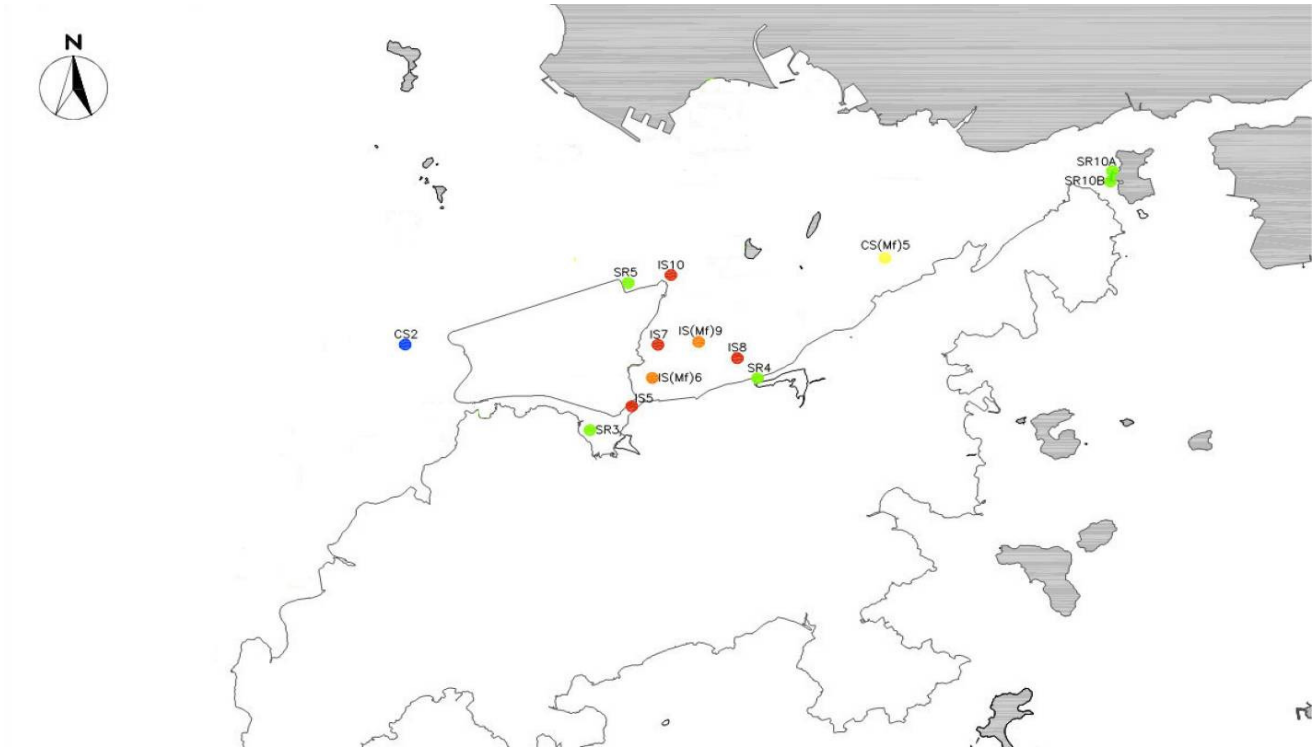
4. No leakage of turbid water or any abnormity or malpractice was observed during the sampling exercise.

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 March 2013

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

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

Date : As of 28 Feb 2013

Complaint No.	Rec'd 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. 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: (a) Mitigation Measures for Noise Nuisance: • Improvement of noise covers onto the generators / motors on barges; and • Increase frequency of applying lubricant to all moving parts and gear wheels of the working barges. (b) Mitigation Measures for Smoke Emission: • Increase frequency of maintenance and checking of engines on barges that may emit smoke; and • Installation/ replacement of smoke suppression device such as air filter, at engines where necessary.	Closed	-
COM-2012-010(1)	06-Nov-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. 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	-

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

Date : As of 28 Feb 2013

Complaint No.	Rec'd Date	Time	Source	Category	Complaint Details	Location	Improvement Measures Taken	Status	Remarks
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	-
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: • Noise nuisance generated by diesel engine; • Smell of exhaust pipe gas in his residence; and • Suspected marine water pollution (see enclosed photo). The complainant also requested EPD to install noise and air quality monitoring at Le Bleu Deux estate.	WA6 Portion X	**Noise from blowing horn from vessels and barges and Metallic Parts thrown on Ground** • Reminded the Contractor to request the captains of the vessels and barges not blowing the horn except in case of emergency or prevention of ship collisions/serious safety matters; • The supervision teams would enhance their tight control on the vessels and barges working at that location, and monitor the situation and take corresponding actions; and • To enhance the work force of RSS to supervise each step of construction activities and the use of hand tools until the completion of the site office erection. **Noise from Engines and Cranes of the Barges during Marine Operation** • Installation of noise covers onto the generators / motors on all working barges; • Increase frequency of applying lubricant to all moving parts and gear wheels of the working barges to avoid generation of abnormal sound; and • Review of working hours for the reclamation works and switching off all unnecessary machinery and plants at night time and Sundays. **Noise from power generators** • All generators shall be either screened or covered by adequate sound reducing materials; • All generators situated in front of Le Bleu Deux estate will be switched off at 19:00 hrs, except two generators will be kept running up to 22:00hrs and one generator will be kept running overnight for maintaining minimum power requirement; and • Arrangement with CLP Power HK Ltd (CLP) for the permanent power supply to the site offices has been chased in a matter of urgency. The use of power generators will be terminated in phase starting from 6 December 2012. **Exhaust Fume Emission** • Tight control on using the machine and generators in the vicinity of Le Bleu Deux estate; and • Closely monitor the frequency on engine cleansing and replacement of dust filter. **Change of Sea Water in Yellow** • The Contractor was reminded to move their vessels and barges at areas with adequate water depth as practically as possible.	Closed	
COM-2012-010(4)	19-Nov-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			-

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

Date : As of 28 Feb 2013

Complaint No.	Rec'd Date	Time	Source	Category	Complaint Details	Location	Improvement Measures Taken	Status	Remarks
COM-2012-010(5)	24-Nov-12 25-Nov-12	13:42 hrs. 13:49 hrs 22:02 hrs. 22:08 hrs.	EPD (cc to HyD) EPD (cc to HyD)	Environmental (Air quality and Noise)	The noise is coming for the following sources: o . power generator o . engines from the barges used for marine operation o . noise from the cranes use of the construction barges. o . engine from the boat used to transport staff in and out o . boats blowing their horn late in the evening and at night Gas emissions: o . power generators o . marine operation The complainant file again a complaint against the strong exhaust pipe emission flowing towards le Bleu Deux estate this afternoon 24/11/10 at 13:47. I can assure you that is it not "not that bad" whatever that means for you. And again strong noise of metallic parts being thrown on the ground. *I thought you have already sorted out that problem according to your multiple replies to my complaints since July???"* A pictures taken this morning (25/11/12) around 9:30am-10am showing the water pollution in different area outside the floating barriers. At 21:56 hrs., boat used by the Highway Department against blew their horn repetitively at close proximity from the residential estate.	WA6 Portion X			
COM-2012-012(1)	13-Nov-12	22:27 hrs.	HyD	Environmental (Noise)	Once again your site continues to work late. The attached photo was taken at 10.15pm on Tuesday 13 Nov. The machinery used on the barges is very noisy. Why do you continue to work till 10pm and why do you work on a Sunday. Surely this is classified as a construction site for which you are in breach of various ordinances. An early reply is appreciated.	Portion X	The following further mitigation measures during the course of the reclamation works will be taken: • Installation of noise covers onto the generators / motors on all working barges; • Increase frequency of applying lubricant to all moving parts and gear wheels of the working barges to avoid generation of abnormal sound; and • Review of working hours for the reclamation works and switching off all unnecessary machinery and plants at nighttime and Sundays.	Closed	-
COM-2013-015	17-Jan-13		EPD	Environmental (Air)	The complainant raised that construction dust was arising from construction site of China State Contruction Engineering (Hong Kong) Ltd near Siu Ho Wan Sewage Treatment Works due to insufficient dust suppression and inadequate wheel washing.	WA3	The Contractor of HY/2011/03 would take the following actions with immediate effect • To ensure no loosed earth material exposed at the edges of eth stockpiled earth materials i.e. to prevent erosion by wind and water ; • To cover the stockpiled earth material by adequate tarpaulin; • To enhance the frequency of watering (3 times per day) onto existing haul road and other area as appropriate; and • To install a water sprinkler system to enhance the existing dust suppression measures once the water point is ready for water supply by WSD.	Closed	
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	-

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
TC1 (search hour = 2 hr)					
No record					
TC2 (search hour = 2 hr)					
No record					
TC3 (search hour = 2 hr)					
No record					
ST (search hour = 2.5 hr)					
Tachypleus tridentatus	12.66	M	22º 17.162' N	113º 55.496' E	
T. tridentatus	12.2	M	22º 17.146' N	113º 55.494' E	1
T. tridentatus	15.49	M	22º 17.146' N	113º 55.494' E	1
T. tridentatus	22.19	M	22º 17.159' N	113º 55.507' E	
T. tridentatus	16.93	M	22º 17.160' N	113º 55.509' E	2
T. tridentatus	22.69	M	22º 17.160' N	113º 55.509' E	2
T. tridentatus	17.52	M	22º 17.159' N	113º 55.508' E	
T. tridentatus	17.99	M	22º 17.159' N	113º 55.509' E	
T. tridentatus	16.43	M	22º 17.148' N	113º 55.512' E	
T. tridentatus	16.58	M	22º 17.148' N	113º 55.519' E	
T. tridentatus	20.33	M	22º 17.140' N	113º 55.512' E	
T. tridentatus	16.71	M	22º 17.133' N	113º 55.510' E	
Carcinoscorpius rotundicauda	26.79	M	22º 17.148' N	113º 55.497' E	
C. rotundicauda	11.42	M	22º 17.131' N	113º 55.512' E	3
C. rotundicauda	19.25	M	22º 17.131' N	113º 55.512' E	3
C. rotundicauda	17.68	M	22º 17.131' N	113º 55.512' E	3

M = Soft mud

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)				2.5
Tachypleus tridentatus				
no. of individuals				12
mean prosomal width (mm)				17.31
range of prosomal width (mm)				12.20 - 22.69
Search record (ind. hr^{-1} $person^{-1}$)				2.40
	N.A.	N.A.	N.A.	
Carcinoscorpius rotundicauda				
no. of individuals				4
mean prosomal width (mm)				18.79
range of prosomal width (mm)				11.42 - 26.79
Search record (ind. hr^{-1} $person^{-1}$)				0.80

ST (3 December 2012)

Tachypleus tridentatus

Carcinoscorpius rotundicauda

Figure 3.1. *Examples of photographic records of horseshoe crab in the present survey*

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 each zone)				
No record				
ST (search hour = 2.5 hr)				
Halophila ovalis	169.0	22º 17.209' N 113º 55.478' E -- 22º 17.218' N 113º 55.472' E	50-80	
H. ovalis	312.0	22º 17.208' N 113º 55.473' E -- 22º 17.191' N 113º 55.475' E	70-85	A long strand of seagrass bed nearby the seaward side of mangrove area at 2.0m above C.D.
no. of patches	2			
Total area (m^2)	481.0			
Average area (m^2)	240.5			

Figure 3.2. *Examples of photographic records of seagrass beds (Halophila ovalis) survey at ST* (3 December 2012)

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	80		20
	M	90		10
	L	40	10	50
TC2	H		30	70
	M		20	80
	L		40	60
TC3	H		70	30
	M		60	40
	L	70	30	
ST	H	60	40	
	M	50	50	
	L		50	50

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

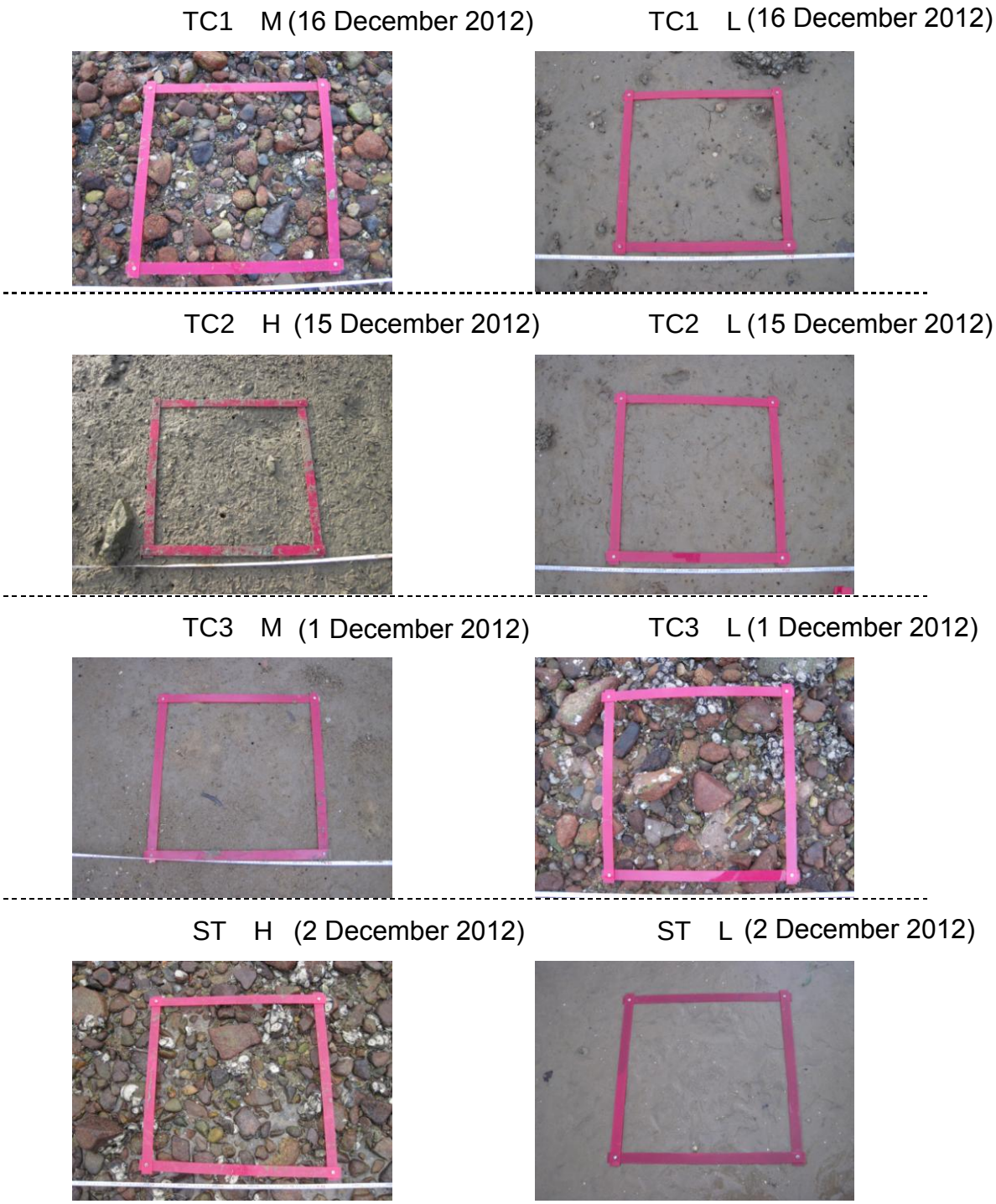


Figure 3.3. *Examples of photographic records of quadrat for intertidal soft shore community survey (H: 2.0 m above C.D.; M: 1.5 m above C.D.; L: 1.0 m above C.D.)*

Table 3.5. *Total abundance, density and total biomass of every phylum*

Phylum	Total Abundance	%	Density (ind. m^{-2})	Number of taxon
Dec 2012				
Mollusca	11277	95.4	376	39
Arthropoda	447	3.8	15	14
Annelida	53	0.4	2	11
Sipuncula	39	0.3	1	1
Nemertea	4	0.0	0	1
Chordata	2	0.0	0	2
Echiura	1	0.0	0	1
Total	11823			

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	3835	94.7	511	1292	91.3	172	3072	96.1	410	3078	97.4	410
Arthropoda	177	4.4	24	96	6.8	13	105	3.3	14	69	2.2	9
Sipuncula	27	0.7	4	2	0.1	0	6	0.2	1	4	0.1	1
Annelida	8	0.2	1	24	1.7	3	11	0.3	1	10	0.3	1
Nemertea	2	0.0	0	1	0.1	0	1	0.0	0			
Chordata	1	0.0	0				1	0.0	0			
Echiura	1	0.0	0									
Sub-total	4051			1415			3196			3161		

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*	386	64	61
	G	*Monodonta labio*	76	13	74
Mid	G	*Batillaria multiformis*	350	52	52
	G	*Monodonta labio*	140	21	72
	Bi	*Saccostrea cucullata*	114	17	89
Low	Bi	*Saccostrea cucullata*	119	35	35
	G	*Lunella coronata*	42	12	47
	Ba	*Balanus amphitrite*	40	12	59

Ba = Barnacle, 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	*Cerithidea djadjariensis*	272	79	79
Mid	G	*Cerithidea djadjariensis*	89	58	58
	Ba	*Balanus amphitrite*	23	15	72
	G	*Batillaria zonalis*	19	12	84
Low	G	*Cerithidea djadjariensis*	22	34	34
	G	*Cerithidea cingulata*	16	25	59
	Ba	*Balanus amphitrite*	8	12	71
	G	*Batillaria zonalis*	8	12	83

Ba = Barnacle, 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*	102	35	35
	G	*Cerithidea djadjariensis*	59	20	56
	G	*Cerithidea cingulata*	52	18	73
	Bi	*Saccostrea cucullata*	33	11	85
Mid	G	*Batillaria multiformis*	80	34	34
	G	*Cerithidea djadjariensis*	37	16	49
	G	*Cerithidea cingulata*	34	14	64
Low	Bi	*Saccostrea cucullata*	294	39	39
	G	*Batillaria multiformis*	194	26	65
	G	*Monodonta labio*	117	16	81

Bi = Bivalve, G = Gastropod

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

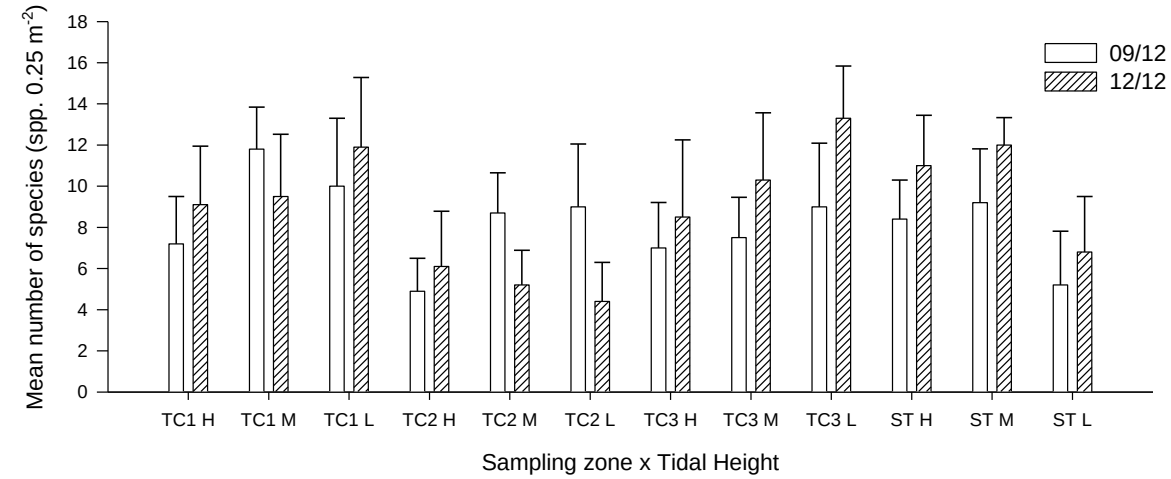
Sampling zone ST	Group	Species	mean density (ind. m^{-2})	relative abundance (%)	cumulative relative abundance (%)
High	G	*Batillaria multiformis*	474	63	63
	G	*Monodonta labio*	137	18	81
Mid	Bi	*Saccostrea cucullata*	154	40	40
	G	*Monodonta labio*	75	19	60
Low	Bi	*Saccostrea cucullata*	54	42	42
	Ba	*Balanus amphitrite*	17	13	55

Ba = Barnacle, 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	9	600	1.12		0.52	
	M	10	679	1.32	1.45	0.62	0.64
	L	12	342	1.91		0.79	
TC2	H	6	346	0.76		0.44	
	M	5	155	1.04	0.97	0.67	0.65
	L	4	65	1.13		0.83	
TC3	H	9	291	1.40		0.70	
	M	10	237	1.79	1.61	0.78	0.71
	L	13	750	1.63		0.63	
ST	H	11	751	1.29		0.53	
	M	12	384	1.73	1.49	0.70	0.67
	L	7	130	1.45		0.78	

Figure 3.4. *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*



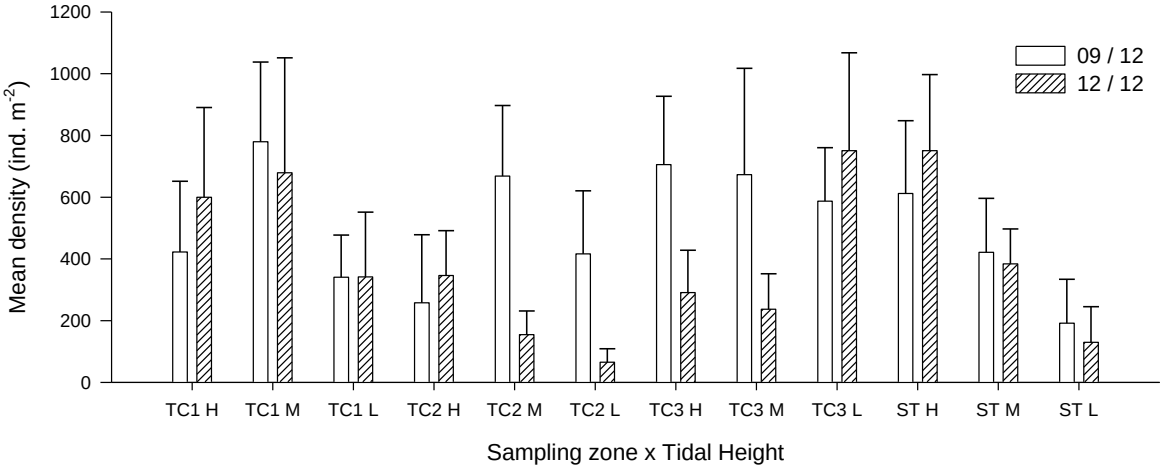
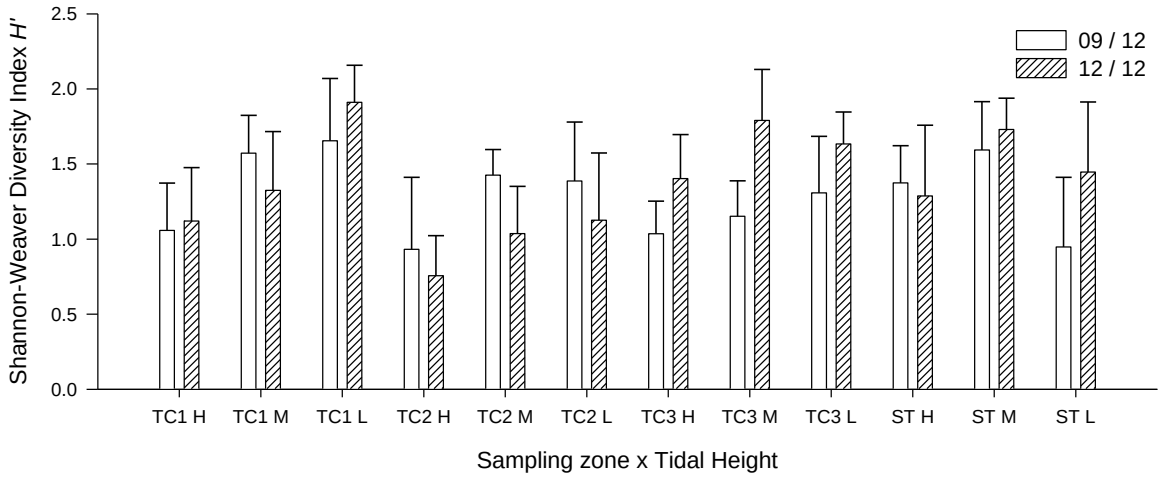
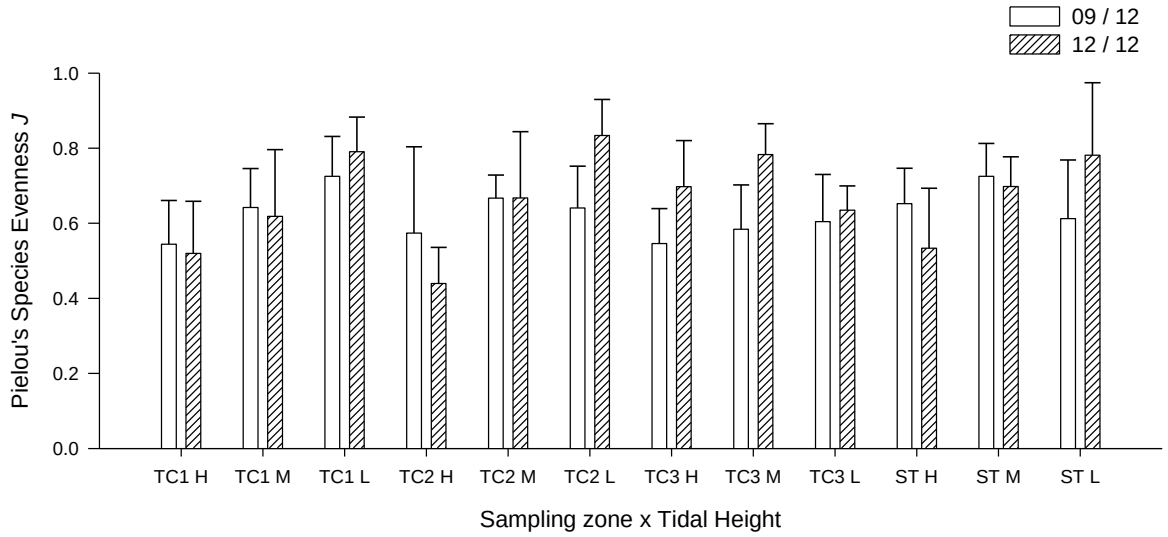
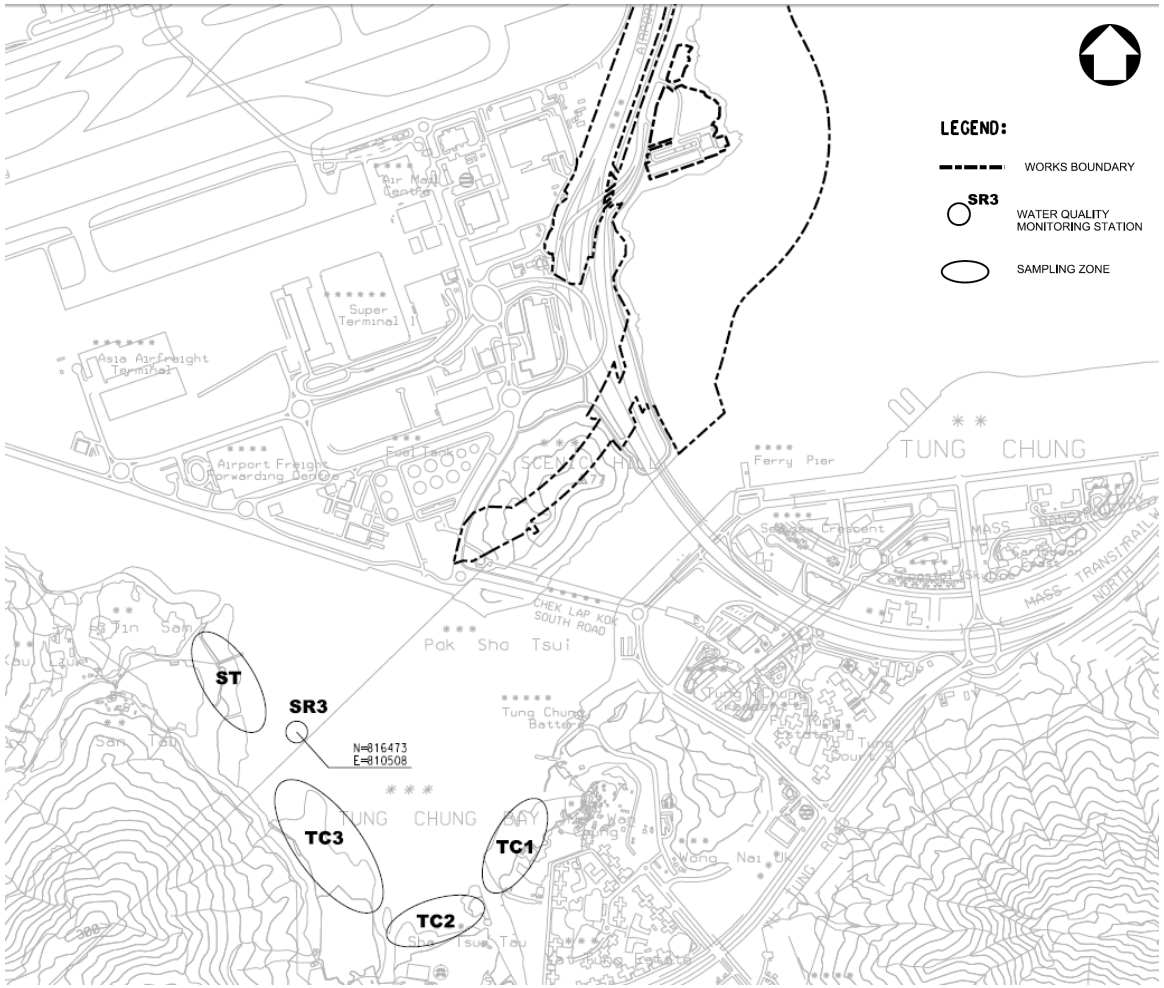


Figure 3.4 (Cont'd). *Temporal changes of number of species, density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean ± SD) at every tidal level and sampling zone*





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



Annex II *Taxonomic resolution of every recorded species*

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	Terebellida	Cirratulidae	Cirratulidae spp.
Animalia	Annelida	Polychaeta		Maldanidae	Maldanidae spp.
Animalia	Annelida	Polychaeta		Opheliidae	*Ophelina acuminata*
Animalia	Arthropoda	Malacostraca	Decapoda	Alpheidae	*Alpheus distinguendus*
Animalia	Arthropoda	Malacostraca	Decapoda	Diogenidae	*Diogenes* sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Grapsidae	*Metopograpsus latifrons*
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	*Macrophthalmus erato*
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	*Macrophthalmus* sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	*Uca lactea*
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	Penaeidae	*Penaeus* sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Sesarmidae	*Nanosesarma minutum*
Animalia	Arthropoda	Malacostraca	Decapoda	Varunidae	*Gaetice depressus*
Animalia	Arthropoda	Malacostraca	Decapoda	Varunidae	*Hemigrapsus penicillatus*
Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	*Balanus amphitrite*
Animalia	Chordata	Actinopterygii	Perciformes	Blenniidae	*Omobranchus fasciolatoceps*
Animalia	Chordata	Ascidiacea			Ascidiacea spp.
Animalia	Echiura				Echiura spp.
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*
Animalia	Mollusca	Bivalvia	Veneroida	Corbiculidae	*Geloina erosa*

Annex II (Cont') *Taxonomic resolution of every recorded species*

Kingdom	Phylum	Class	Order	Family	Species
Animalia	Mollusca	Bivalvia	Veneroida	Mesodesmatidae	*Caecella chinensis*
Animalia	Mollusca	Bivalvia	Veneroida	Solenidae	*Solen canaliculatus*
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	*Marcia japonica*
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	Planaxidae	*Planaxis sulcatus*
Animalia	Mollusca	Gastropoda	Caenogastropoda	Potamididae	*Cerithidea cingulata*
Animalia	Mollusca	Gastropoda	Caenogastropoda	Potamididae	*Cerithidea djadjariensis*
Animalia	Mollusca	Gastropoda	Caenogastropoda	Potamididae	*Cerithidea rhizophorarum*
Animalia	Mollusca	Gastropoda	Cycloneritimorpha	Neritidae	*Clithon oualaniensis*
Animalia	Mollusca	Gastropoda	Cycloneritimorpha	Neritidae	*Nerita albicilla*
Animalia	Mollusca	Gastropoda	Littorinimorpha	Littorinidae	*Echinolittorina radiata*
Animalia	Mollusca	Gastropoda	Littorinimorpha	Littorinidae	*Littoraria articulata*
Animalia	Mollusca	Gastropoda	Littorinimorpha	Littorinidae	Peasiella spp.
Animalia	Mollusca	Gastropoda	Neogastropoda	Muricidae	*Thais luteostoma*
Animalia	Mollusca	Gastropoda	Neogastropoda	Nassariidae	*Nassarius festivus*
Animalia	Mollusca	Gastropoda	Neogastropoda	Nassariidae	*Nassarius semiplicatus*
Animalia	Mollusca	Gastropoda	Neogastropoda	Nassariidae	*Nassarius* sp.
Animalia	Mollusca	Gastropoda		Lottiidae	*Nipponacmea concinna*
Animalia	Mollusca	Gastropoda		Lottiidae	*Patelloida pygmaea*
Animalia	Mollusca	Gastropoda		Lottiidae	*Patelloida saccharina*
Animalia	Mollusca	Gastropoda		Nacellidae	*Cellana toreuma*
Animalia	Mollusca	Gastropoda		Siphonariidae	*Siphonaria japonica*
Animalia	Mollusca	Gastropoda		Siphonariidae	*Siphonaria laciniosa*
Animalia	Mollusca	Gastropoda		Trochidae	*Gibbula affinis*
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') *Taxonomic resolution of every recorded species*

Kingdom	Phylum	Class	Order	Family	Species
Animalia	Nemertea				Nemertea spp.
Animalia	Sipuncula	Sipunculidea	Golfingiida	Sipunculidae	*Sipunculus nudus*

Annex III *List of recorded fauna at every sampling zone*

Dec 2012 Sampling zone TC 1 High tidal level (2.0 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
Ba	*Balanus amphitrite*							1		2										1		4
Bi	*Barbatia signata*																			1		1
Bi	*Dosinia japonica*																		1			1
Bi	*Geloina erosa*							1								2						3
Bi	*Ruditapes philippinarum*																			1		1
Bi	*Saccostrea cucullata*			16		7		3		37		15		15				4		16		113
Bi	*Xenostrobus atrata*							1		8				1						2		12
C	*Hemigrapsus penicillatus*			3		1				4		1		2						2		13
C	*Nanosesarma minutum*																			2		2
Eh	Echiura spp.	1																				1
G	*Batillaria multiformis*	111		104		43		187		148		150		129				25	11	58		966
G	*Batillaria zonalis*									1												1
G	*Cellana toreuma*			1																2		3
G	*Cerithidea cingulata*					3				1		12		1			1	9	11	3		41
G	*Cerithidea djadjariensis*	1		5		7				4		3		5		5	11	21	14	2		78
G	*Cerithidea rhizophorarum*													1								1
G	*Clithon oualaniensis*											2										2
G	*Littoraria articulata*	11						1		13				6								31

Annex III (Cont'd) *List of recorded fauna at every sampling zone*

Dec 2012 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
G	*Lunella coronata*	1		2		2		2		1		2								2		12
G	*Monodonta labio*	27		49		11		15		31		4		40						14		191
G	*Nassarius festivus*															1		2				3
G	*Nerita albicilla*			2		2				6		1								2		13
G	*Nipponacmea concinna*							1						1								2
G	*Patelloida pygmaea*													1								1
Hc	*Pagurus dubius*			1																		1
Ol	Marine oligochaete spp.	1						1														2
Sp	*Sipunculus nudus*																	1				1
																					Total	1500

Annex III (Cont'd) *List of recorded fauna at every sampling zone*

Dec 2012 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*	3												1								4
Bi	*Barbatia signata*	1				1																2
Bi	*Barbatia virescens*					1		2		3												6
Bi	*Ruditapes philippinarum*											1										1
Bi	*Saccostrea cucullata*	102		50		35		7		23		1		9		28		29				284
Bi	*Xenostrobus atrata*	5								4		2		2		12						25
C	*Hemigrapsus penicillatus*	3		1		2		7		1		1		2		4		4				25
C	*Metopograpsus latifrons*					1																1
C	*Nanosesarma minutum*					1		1										1				3
F	*Omobranchus fasciolatoceps*					1																1
G	*Batillaria multiformis*	9		89		59		35		25		283		133		153		89				875
G	*Cellana toreuma*			3				4		1												8
G	*Cerithidea cingulata*			1																		1
G	*Cerithidea djadjariensis*	1		6				4		1										1	1	14
G	*Cerithidea rhizophorarum*			3																		3
G	*Echinolittorina radiata*	1																				1
G	*Littoraria articulata*	1										9		10		2		3				25
G	*Lunella coronata*	5		5		4		9		5		2		2				3				35

Annex III (Cont'd) *List of recorded fauna at every sampling zone*

Dec 2012 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	*Monodonta labio*	37		32		27		29		18		41		34		57		74					349
G	*Nassarius festivus*			1						1													2
G	*Nerita albicilla*	2				1		5		9				1		2				1			21
G	*Nipponacmea concinna*					3		1										1					5
G	*Patelloida saccharina*									1						1							2
Hc	*Pagurus dubius*									1													1
P	Maldanidae spp.																					1	1
Sp	*Sipunculus nudus*	2																					2
																						Total	1697

Annex III (Cont'd) *List of recorded fauna at every sampling zone*

Dec 2012 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*	3		1				14		5		10		34		11		15		6		99
Bi	*Barbatia signata*											1		2				4		5		12
Bi	*Barbatia virescens*			2								1						3		4		10
Bi	*Caecella chinensis*						2															2
Bi	*Dosinia japonica*										1											1
Bi	*Ruditapes philippinarum*			9	4	1		10	2	1	1			1		1				3		33
Bi	*Saccostrea cucullata*	2		14				18		2		56		73		29		59		44		297
Bi	*Xenostrobus atrata*							6				11		17		9		10		4		57
C	*Hemigrapsus penicillatus*			1								1		7				1		4		14
C	*Nanosesarma minutum*													2		1		1		2		6
G	*Batillaria bornii*			2	1					1		2										6
G	*Batillaria multiformis*		3	32	3			1		7		7										53
G	*Batillaria zonalis*	1				4	1	1			2											9
G	*Cellana toreuma*											1										1
G	*Cerithidea cingulata*	2		1																		3
G	*Cerithidea djadjariensis*	2	3	1																		6
G	*Cerithidea rhizophorarum*			1																		1
G	*Chlorostoma argyrostoma*							2		1		3		3		1	1	10		8		29

Annex III (Cont'd) *List of recorded fauna at every sampling zone*

Dec 2012 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	*Lepidozona* sp.										1											1
G	*Littoraria articulata*									2	1	2		3				2		1		11
G	*Lunella coronata*	4		14				10		5		23		19		9		6		15		105
G	*Monodonta labio*			2		1		2				17								1		23
G	*Nassarius festivus*			5				11	1	3		4		1		1						26
G	*Nerita albicilla*											4		1				1		7		13
G	*Nipponacmea concinna*																			1		1
Hc	*Diogenes* sp.			1				1		1												3
Ne	Nemertea spp.											2										2
P	Cirratulidae spp.				1																	1
P	Nereididae spp.				1		1															2
P	Onuphidae spp.						1				1											2
S	*Penaeus* sp.	1																				1
Sp	*Sipunculus nudus*													1		3	2	18				24
																					Total	854

Annex III (Cont'd) *List of recorded fauna at every sampling zone*

Dec 2012 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*									5								5				10
Bi	*Anomalocardia squamosa*																		1			1
Bi	*Cyclina sinesis*	1						1														2
Bi	*Geloina erosa*			1																		1
Bi	*Ruditapes philippinarum*															1						1
Bi	*Saccostrea cucullata*	2				1				8		5				4		28				48
C	*Hemigrapsus penicillatus*			1										1				1				3
C	*Macrophthalmus erato*	1																				1
C	*Nanosesarma minutum*																	1				1
G	*Batillaria bornii*															1						1
G	*Batillaria multiformis*													1								1
G	*Batillaria zonalis*										1				1	1	2	3	3			11
G	*Cerithidea cingulata*			11		16	2	11		4		3		5		2		9		4		67
G	*Cerithidea djadjariensis*	14	1	66	1	79	2	63	3	112	8	85	3	76	4	71	6	58	3	23	3	681
G	*Cerithidea rhizophorarum*					1		4		1	1	4		3	1	2		1		2		20
G	*Lunella coronata*													1		1		2				4
G	*Monodonta labio*	1																				1
G	*Nassarius festivus*							1		2				2								5
P	Maldanidae spp.														2		2					4

Annex III (Cont'd) *List of recorded fauna at every sampling zone*

Dec 2012 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
Sp	*Sipunculus nudus*													2									2
																						Total	865

Annex III (Cont'd) *List of recorded fauna at every sampling zone*

Dec 2012 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*	13								23				2		9		6		4		57
Bi	*Ruditapes philippinarum*			1				1														2
Bi	*Saccostrea cucullata*	13																		1		14
Bi	*Xenostrobus atrata*									1												1
C	*Macrophthalmus erato*	3																				3
G	*Batillaria multiformis*	1	7								1			1								10
G	*Batillaria zonalis*			2			3				2	4		12	3	9		1		9	2	47
G	*Cerithidea cingulata*	3		3		2				3						4		1				16
G	*Cerithidea djadjariensis*	16	14	18	7	46	2	7	1	19	4	4	4	8	6	15	3	17	1	27	4	223
G	*Cerithidea rhizophorarum*																	1		2		3
G	*Lunella coronata*	1																				1
G	*Nassarius festivus*				1	1					1											3
G	*Nassarius* sp.													1								1
Ne	Nemertea spp.				1																	1
P	Maldanidae spp.								1													1
P	Nereididae spp.								1													1
P	Onuphidae spp.				1														1		1	3
																					Total	387

Annex III (Cont'd) *List of recorded fauna at every sampling zone*

Dec 2012 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*																	13		7		20
Bi	*Dosinia japonica*										2		2				3		1		1	9
G	*Batillaria zonalis*		1	4		6	4	1				1	1					1				19
G	*Cerithidea cingulata*	10	1	3	2	5	9	2	1	1									3	1	3	41
G	*Cerithidea djadjariensis*	3	1	4	2	7		9		3	1	3	1					10	2	3	6	55
G	*Cerithidea rhizophorarum*	1																				1
G	*Monodonta labio*													1								1
G	*Nassarius festivus*				1																	1
Ol	Marine oligochaete spp.				1																	1
P	Eunicidae spp.																		1			1
P	Glyceridae spp.																		1			1
P	Goniadidae spp.																1					1
P	Maldanidae spp.		1						1		1											3
P	Onuphidae spp.						3		1		2											6
P	*Ophelina acuminata*																1					1
P	Oweniidae spp.										1											1
S	*Alpheus distinguendus*																		1			1
																					Total	163

Annex III (Cont'd) *List of recorded fauna at every sampling zone*

Dec 2012 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
As	Ascidiacea spp.																			1		1
Ba	*Balanus amphitrite*			1										1		3		1		1		7
Bi	*Barbatia signata*	4																				4
Bi	*Barbatia virescens*	2					1															3
Bi	*Cyclina sinesis*									1							1			1		3
Bi	*Saccostrea cucullata*	67		2												7		3		3		82
Bi	*Xenostrobus atrata*	1														6		1				8
C	*Gaetice depressus*															1						1
C	*Uca lactea*			1																		1
C	*Uca vocans*													1				2	1			4
G	*Batillaria multiformis*	1		3	5	8	11		2	3	65	10	1	3	13	36	42	15	11	22	5	256
G	*Batillaria zonalis*						15	2		1	1	2					4				8	33
G	*Cerithidea cingulata*	6		6	11	1	11			1	9	21	7	10	10	3	13	1	9	2	8	129
G	*Cerithidea djadjariensis*	14			15	4	18		6	1	6	27	8	5	8	1	7	9	7	2	10	148
G	*Clithon oualaniensis*					1										1						2
G	*Lunella coronata*															1		1				2
G	*Monodonta labio*	3														3		5				11
G	*Nassarius festivus*			1								4	1				1					7

Annex III (Cont'd) *List of recorded fauna at every sampling zone*

Dec 2012 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
G	*Nassarius semiplicatus*											2										1	3
G	*Nerita albicilla*	2								1				2		4				2			11
G	*Nipponacmea concinna*	2																					2
G	*Patelloida pygmaea*															1							1
G	*Planaxis sulcatus*															1							1
G	*Siphonaria japonica*	1																					1
Hc	*Pagurus dubius*	2																					2
Ne	Nemertea spp.														1								1
P	Maldanidae spp.												1										1
P	Onuphidae spp.			1																			1
Sp	*Sipunculus nudus*	1																					1
																						Total	727

Annex III (Cont'd) *List of recorded fauna at every sampling zone*

Dec 2012 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*	5		3		5		3				5										21
Bi	*Anomalocardia squamosa*									2												2
Bi	*Barbatia signata*	1				2																3
Bi	*Barbatia virescens*					2						2										4
Bi	*Cyclina sinesis*																	1				1
Bi	*Dosinia japonica*														1	1						2
Bi	*Geloina erosa*			1																		1
Bi	*Marcia japonica*			1			1															2
Bi	*Ruditapes philippinarum*			1	4	2																7
Bi	*Saccostrea cucullata*			1		24		3		1		9		3				1				42
Bi	*Xenostrobus atrata*					4						3										7
C	*Hemigrapsus penicillatus*					3						1										4
C	*Uca vocans*								1					1				1				3
G	*Batillaria bornii*					1																1
G	*Batillaria multiformis*		2		11	22	18	2	15	4	3	8		11	11	1	22	16	39	2	13	200
G	*Batillaria zonalis*	4	3	1		1	1	6		3	7			3	8		4	3	1	4	3	52
G	*Cerithidea cingulata*	1	6	2	5	3	4		9		7	2		1	6		18	1	17		3	85
G	*Cerithidea djadjariensis*	1	12	2	4	2	6	2	18	1	10			1	1		13	1	4	4	10	92

Annex III (Cont'd) *List of recorded fauna at every sampling zone*

Dec 2012 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	*Cerithidea rhizophorarum*													3		1						4
G	*Clithon oualaniensis*							1			1			2				4				8
G	*Lunella coronata*	1				3		1		1		3										9
G	*Monodonta labio*					11					1	1										13
G	*Nassarius festivus*	1		1								1						1	1			5
G	*Nassarius semiplicatus*									1		2										3
G	*Nerita albicilla*	1				9		2		1		2						1				16
G	*Patelloida pygmaea*											1										1
P	Maldanidae spp.										1			1			1					3
P	Polynoidae spp.						1															1
S	*Penaeus* sp.																			1		1
																					Total	593

Annex III (Cont'd) *List of recorded fauna at every sampling zone*

Dec 2012 Sampling zone TC 3 Low tidal level (1.0 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
Ba	*Balanus amphitrite*	1		5		4		7		1								3		3		24
Bi	*Barbatia signata*					2		6		4		10		1				1				24
Bi	*Barbatia virescens*							2		3				2				2				9
Bi	*Cyclina sinesis*												1									1
Bi	*Ruditapes philippinarum*		2	5			4	1														12
Bi	*Saccostrea cucullata*	25		34		38		90		63		112		119		123		113		17		734
Bi	*Xenostrobus atrata*	1		1				11		4				7		3		18		1		46
C	*Hemigrapsus penicillatus*	2		4		1		6		7		4				3		2				29
C	*Macrophthalmus* sp.							1														1
C	*Metopograpsus latifrons*											1										1
C	*Nanosesarma minutum*					1				1		1		1				1				5
G	*Batillaria bornii*									2												2
G	*Batillaria multiformis*	37	7	49		19	1	25		8		28	2	43		141		78		48		486
G	*Batillaria zonalis*	3						4		1		1	4					1				14
G	*Cerithidea cingulata*		8		4		1	3	1				4									21
G	*Cerithidea djadjariensis*		17	1	14		2	4	1	3			7			1		1				51
G	*Clithon oualaniensis*							1														1
G	*Lepidozona* sp.									2				1				2		1		6

Annex III (Cont'd) *List of recorded fauna at every sampling zone*

Dec 2012 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	*Littoraria articulata*													1		2		2		2		7
G	*Lunella coronata*	1		2		5		14		17		5		4		5		4		7		64
G	*Monodonta labio*			1		3		7		32		66		52		39		33		59		292
G	*Nassarius festivus*															1						1
G	*Nassarius semiplicatus*				1			2	1													4
G	*Nerita albicilla*							2		5		5		2		2		4		1		21
G	*Nipponacmea concinna*											3								1		4
G	*Patelloida pygmaea*															3						3
G	*Planaxis sulcatus*											1								1		2
Hc	*Pagurus dubius*							1														1
P	Maldanidae spp.		3										1	1								5
Sp	*Sipunculus nudus*					2								3								5
																					Total	1876

Annex III (Cont'd) *List of recorded fauna at every sampling zone*

Dec 2012 Sampling zone ST High tidal level (2.0 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
Ba	*Balanus amphitrite*					1								1								2
Bi	*Barbatia signata*									1												1
Bi	*Barbatia virescens*															1				1		2
Bi	*Saccostrea cucullata*	6		11		10		20		24		7		6		22		18		7		131
Bi	*Xenostrobus atrata*					2		1		1				1		1		2				8
C	*Hemigrapsus penicillatus*					2				1		1		1								5
C	*Metopograpsus latifrons*											1										1
G	*Batillaria bornii*			4		4		3						8		2		1				22
G	*Batillaria multiformis*	165		146		163		226		145		80		19		55		61		124		1184
G	*Cellana toreuma*													3		11		7		2		23
G	*Cerithidea cingulata*	1		3		2		1		1				3		2		3		2		18
G	*Cerithidea djadjariensis*	1		1		1								2		3		1		4		13
G	*Cerithidea rhizophorarum*													2		2						4
G	*Clithon oualaniensis*			1												2		5				8
G	*Echinolittorina radiata*					1						1										2
G	*Lepidozona* sp.															3						3
G	*Lunella coronata*	1		5		2		4		5		4		7		11		9		10		58
G	*Monodonta labio*	22		19		46		39		38		51		19		28		39		42		343

Annex III (Cont'd) *List of recorded fauna at every sampling zone*

Dec 2012 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	*Nassarius festivus*	2		1				3		1													7
G	*Nerita albicilla*	2				1		3		12		3				1		2					24
G	*Nipponacmea concinna*			1								2				6		3					12
G	*Patelloida pygmaea*															2		1					3
G	*Siphonaria laciniosa*	1																					1
Hc	*Pagurus dubius*					1																	1
P	Polynoidae spp.											1											1
																						Total	1877

Annex III (Cont'd) *List of recorded fauna at every sampling zone*

Dec 2012 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								1
Bi	*Barbatia signata*					2		1						2		1		1		4		11
Bi	*Barbatia virescens*			2				2		1		2						1		2		10
Bi	*Ruditapes philippinarum*			1								1										2
Bi	*Saccostrea cucullata*	41		38		53		59		45		5		15		32		54		43		385
Bi	*Xenostrobus atrata*			2				1		10		1				1		7		12		34
C	*Hemigrapsus penicillatus*			8		1		1				1				1		1				13
G	*Batillaria bornii*	6		4		3		4		2		1	3	9	2	2		5		6		47
G	*Batillaria multiformis*			4				2		13	1		1	2	1	7		1		7		39
G	*Cellana toreuma*	5		1		6				3				3								18
G	*Cerithidea cingulata*	3						2					1		11							17
G	*Cerithidea djadjariensis*			1						1	1	1	22	4	13	1		5		1		50
G	*Clithon oualaniensis*							1														1
G	*Lepidozona* sp.																			1		1
G	*Lunella coronata*	6		16		11		15		5		1		8		9		16		6		93
G	*Monodonta labio*	28		34		35		11		19				8		8		34		10		187
G	*Nassarius festivus*															1						1
G	*Nassarius semiplicatus*	1				1				1		1						6				10

Annex III (Cont'd) *List of recorded fauna at every sampling zone*

Dec 2012 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	*Nerita albicilla*	3		10		1		2						1		1		1				19
G	*Nipponacmea concinna*	1																2				3
G	*Patelloida pygmaea*	1		5		1				2								2		1		12
G	Peasiella spp.															1				1		2
G	*Thais luteostoma*															1						1
P	Nereididae spp.										1											1
Sp	*Sipunculus nudus*			1		1																2
																					Total	960

Annex III (Cont'd) *List of recorded fauna at every sampling zone*

Dec 2012 Sampling zone ST Low tidal level (1.0 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
Ba	*Balanus amphitrite*	1				5								3		13		6		14		42
Bi	*Barbatia signata*																			6		6
Bi	*Barbatia virescens*																			1		1
Bi	*Caecella chinensis*										1											1
Bi	*Dosinia japonica*				1				1		2				1				2			7
Bi	*Saccostrea cucullata*	12				42								4		18		13		46		135
Bi	*Solen canaliculatus*								1				1									2
Bi	*Xenostrobus atrata*	4														3				3		10
C	*Nanosesarma minutum*					1										1	1					3
C	*Uca* sp.							1														1
G	*Batillaria bornii*	1													1	1		2	1		3	9
G	*Batillaria multiformis*																		1		3	4
G	*Batillaria zonalis*		1	11	1				1		3	1						1	2			21
G	*Cerithidea cingulata*		1								1				5				2			9
G	*Cerithidea djadjariensis*													1	3			3	8		5	20
G	*Gibbula affinis*					3										1						4
G	*Lepidozona* sp.															3						3
G	*Lunella coronata*	2				1								1		6		8		9		27

Annex III (Cont'd) *List of recorded fauna at every sampling zone*

Dec 2012 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*										2											2
G	*Nassarius semiplicatus*		1																1	3	1	6
G	*Thais luteostoma*					1																1
P	Maldanidae spp.				1								3									4
P	Onuphidae spp.		1								1		2									4
Sp	*Sipunculus nudus*																			1	1	2
																					Total	324