

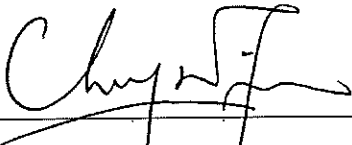
Zhen Hua Engineering Co., Ltd

Contract No. KL/2013/01

**Site Formation for Kai Tak Cruise Terminal
Development – Remaining Works**

Quarterly EM&A Report

**June to August 2015
(Version 1.0)**

Certified By	 Environmental Team Leader
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REMARKS:

The information supplied and contained within this report is, to the best of our knowledge, correct at the time of printing.

CINOTECH accepts no responsibility for changes made to this report by third parties

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TABLE OF CONTENTS

	Page
EXECUTIVE SUMMARY	1
Introduction	1
Environmental Monitoring and Audit Progress	1
Breaches of Action and Limit Levels	1
Future Key Issues	2
1 INTRODUCTION	3
Purpose of the report	3
Structure of the report.....	3
2 PROJECT INFORMATION.....	4
Background	4
Project Organisation	4
Construction Programme.....	5
Summary of Construction Works Undertaken During Reporting Period	5
Status of Environmental Licences, Notification and Permits.....	6
3 ENVIRONMENTAL MONITORING AND AUDIT REQUIREMENTS.....	6
Monitoring Parameters and Monitoring Locations	6
Noise Monitoring	6
Monitoring Methodology and Calibration Details	7
Environmental Quality Performance Limits (Action and Limit Levels)	7
Implementation Status of Environmental Mitigation Measures.....	7
Site Audit Summary	8
Status of Waste Management	8
4 ENVIRONMENTAL MONITORING RESULTS.....	9
Water Quality Monitoring Results	9
Water Quality Surveillance System	9
5 ENVIRONMENTAL NON-CONFORMANCE (EXCEEDANCES).....	10
Summary of Exceedances	10
Summary of Environmental Complaint	10
Summary of Notification of Summons and Successful Prosecution.....	10
6 CONCLUSIONS AND RECOMMENDATIONS	11
Conclusions	11
Recommendations	11

LIST OF TABLES

Table I	Summary Table for Monitoring Activities under Project in the Reporting Period
Table II	Summary Table for Events Recorded in the Reporting Period
Table 2.1	Key Contacts of the Project
Table 3.1	Summary of Impact EM&A Requirements
Table 3.2	Planned Noise Monitoring Stations during Construction Phase
Table 3.3	Action and Limit Levels for Water Quality Monitoring
Table 3.4	Summary of Marine Sediment in Reporting Period
Table 4.1	Monitoring Stations for Water Quality Surveillance System

LIST OF FIGURE

Figure 1	Site Layout Plan
Figure 2	Locations of Water Quality Monitoring Stations
Figure 3	Planned Noise Monitoring Stations during Construction Phase
Figure 4	Project Organisation for Environmental Works
Figure 5.1	Locations of Monitoring Stations for Water Quality Surveillance System (10 June 2015 - Typical arrangement)
Figure 5.2	Locations of Monitoring Stations for Water Quality Surveillance System (10 June 2015)
Figure 5.3	Locations of Monitoring Stations for Water Quality Surveillance System (22 June 2015 - Typical arrangement)
Figure 5.4	Locations of Monitoring Stations for Water Quality Surveillance System (22 June 2015)
Figure 5.5	Locations of Monitoring Stations for Water Quality Surveillance System (8 July 2015 - Typical arrangement)
Figure 5.6	Locations of Monitoring Stations for Water Quality Surveillance System (8 July 2015)
Figure 5.7	Locations of Monitoring Stations for Water Quality Surveillance System (24 July 2015 - Typical arrangement)
Figure 5.8	Locations of Monitoring Stations for Water Quality Surveillance System (24 July 2015)
Figure 5.9	Locations of Monitoring Stations for Water Quality Surveillance System (5 August 2015 - Typical arrangement)
Figure 5.10	Locations of Monitoring Stations for Water Quality Surveillance System (5 August 2015)
Figure 5.11	Locations of Monitoring Stations for Water Quality Surveillance System (28 August 2015 - Typical arrangement)
Figure 5.12	Locations of Monitoring Stations for Water Quality Surveillance System (28 August 2015)

LIST OF APPENDICES

Appendix A	Construction Programme
Appendix B	Graphical Presentation of Water Quality Monitoring Results
Appendix C	Water Quality Monitoring Results of Water Quality Surveillance System
Appendix D	Event Action Plans
Appendix E	Updated Environmental Mitigation Implementation Schedule
Appendix F	Site Audit Summary
Appendix G	Summary of Exceedance
Appendix H	Complaint Log

EXECUTIVE SUMMARY

Introduction

1. This is the 2nd Quarterly Environmental Monitoring and Audit (EM&A) Report prepared by Cinotech Consultants Limited for the project “Contract No. KL/2013/01 – Site Formation for Kai Tak Cruise Terminal Development – Remaining Works” (hereinafter called the “Project”). This report documents the findings of EM&A Works in the period between June 2015 and August 2015.

Environmental Monitoring and Audit Progress

2. A summary of the monitoring activities under the Project in this reporting period is listed in **Table I** below:

Table I Summary Table for Monitoring Activities under Project in the Reporting Period

Parameter(s)	Date(s)
Water Quality Monitoring	1 st , 3 rd , 5 th , 8 th , 10 th , 12 th , 15 th , 17 th , 19 th , 22 nd , 24 th , 26 th and 29 th June 2015
	2 nd , 4 th , 6 th , 8 th , 10 th , 13 th , 15 th , 17 th , 20 th , 22 nd , 24 th , 27 th , 29 th and 31 st July 2015
	3 rd , 5 th , 7 th , 10 th , 12 th , 14 th , 17 th , 19 th , 21 st , 24 th , 26 th , 28 th , and 31 st August 2015
Environmental Site Inspection	2 nd , 9 th , 18 th , 23 rd and 30 th June 2015
	7 th , 16 th , 21 st and 28 th July 2015
	4 th , 11 th , 20 th and 25 th August 2015

Breaches of Action and Limit Levels

3. Summary of the environmental exceedances of the reporting period is tabulated in **Table II**.

Table II Summary Table for Events Recorded in the Reporting Period

Environmental Monitoring	Parameter	No. of Exceedance		No. of Exceedance related to the Dredging Activities of this Project	
		Action Level	Limit Level	Action Level	Limit Level
	Turbidity	0	0	0	0
Suspended Solids (SS)	0	0	0	0	

Water Quality

4. All water quality monitoring was conducted as scheduled in the reporting period. No Action/Limit Level exceedance was recorded.

Noise Monitoring

5. Due to the non-existence of planned NSRs during the reporting period, no noise monitoring was required to be conducted at the planned noise monitoring locations NM1 and NM2.

Complaint Log

6. No environmental complaints were received in the reporting period.

Notification of Summons and Successful Prosecutions

7. No notification of summons and successful prosecution was received in the reporting period.

Reporting Changes

8. This report has been developed in compliance with the reporting requirements for the Quarterly EM&A Report as required by the EM&A Manual for Dredging Works for Proposed Cruise Terminal at Kai Tak (EM&A Manual).

Future Key Issues

9. Major site activities for the coming reporting month will include:
 - (a) Dredging works
 - (b) Sorting and breaking of C&D Materials for further disposal off site
 - (c) Off-site disposal of C&D Materials
 - (d) Refuse collection at Cha Kwo Ling WSD Flushing Water Intakes
 - (e) Maintenance of silt curtains & silt screen

1 INTRODUCTION

1.1 Cinotech Consultants Limited (Cinotech) was appointed by Zhen Hua Engineering Co., Ltd (hereinafter called “the Contractor”) as the Environmental Team (ET) to undertake the Environmental Monitoring and Audit (EM&A) programme during dredging works of the Contract No. KL/2013/01 – Site Formation for Kai Tak Cruise Terminal Development – Remaining Works (hereinafter called the “Project”) in accordance with EP Conditions 2.1.

1.2 The dredging works under the Project was commenced on 6th May 2015.

Purpose of the report

1.3 This is the 2nd Quarterly EM&A report which summarises the monitoring results and audit findings for the EM&A programme in the period between June and August 2015.

Structure of the report

1.4 The structure of the report is as follows:

Section 1: **Introduction** - purpose and structure of the report.

Section 2: **Project Information** - summarises background and scope of the Project, site description, project organization and contact details, the construction works undertaken and the status of Environmental Permits/Licenses during the reporting period.

Section 3: **Environmental Monitoring and Audit Requirements** - summarises the monitoring parameters, monitoring frequency, monitoring locations, Action and Limit Levels, Event / Action Plans, site audit summary and environmental mitigation measures.

Section 4: **Environmental Monitoring Results** - summarises the environmental monitoring results in terms of water quality.

Section 5: **Environmental Non-conformance** - summarises any monitoring exceedance, environmental complaints, environmental summons and successful prosecutions within the reporting period.

Section 6: **Conclusions and Recommendation**

2 PROJECT INFORMATION

Background

- 2.1 The former Kai Tak Airport located in the south-eastern part of Kowloon Peninsula was the international airport of Hong Kong. The Kai Tak Airport had come into operations since 1920s. The operation of the Kai Tak Airport was ceased and replaced by the new airport at Chek Lap Kok in July 1998. After closure, the disused airport site has been occupied by various temporary uses, including a golf driving range on the runway area.
- 2.2 In 2002, the Chief Executive in Council approved the Kai Tak Outline Zoning Plans (No. S/K19/3 and S/K21/3) to provide the statutory framework to proceed with the South East Kowloon Development at the former Kai Tak Airport. However, following the judgment of the Court of Final Appeal in January 2004 regarding the Harbour reclamation, the originally proposed development which involves reclamation has to be reviewed. The Kai Tak Planning Review (KTPR) has resulted with a Preliminary Outline Development Plan (PODP) for Kai Tak in October 2006. Subsequently, the Administration announced in October 2006 a plan to implement a cruise terminal at Kai Tak, as part of the development.
- 2.3 Development of the cruise terminal at Kai Tak would require dredging at the existing seawall at the southern tip of the former Kai Tak Airport runway for construction of a quay deck structure for two berths, and dredging the seabed fronting the new quay to provide necessary manoeuvring basin. The general layout of the proposed cruise terminal construction is shown in **Figure 1**.
- 2.4 The Site Formation for Kai Tak Cruise Terminal Development Project involves a dredging operation exceeding 500,000m³ for construction and operation of the proposed cruise terminal at Kai Tak and is therefore classified as a Designated Project under Item C.12, Part I, Schedule 2 of the Environmental Impact Assessment Ordinance (EIAO). An Environmental Impact Assessment (EIA) Study for the Project has been undertaken in accordance with the EIA Study Brief (No. ESB-159/2006) and the Technical Memorandum on Environmental Impact Assessment Process (EIAO-TM).
- 2.5 Stage 1 dredging and removal and reconstruction of existing seawall were completed. Part of Stage 2 dredging works were commenced on 20th April 2014 and also completed in August 2014. The Remaining Works for Stage 2 dredging works were commenced on 6th May 2015 and was in progress.

Project Organisation

- 2.6 Different parties with different levels of involvement in the Project organization include:
 - Project Proponent – Civil Engineering and Development Department (Kowloon Development Office) (CEDD)
 - Engineer's Representative (ER) – AECOM Consulting Services Limited
 - Contractor – Zhen Hua Engineering Co., Ltd (ZHEC)
 - Environmental Team (ET) – Cinotech Consultants Ltd. (Cinotech)
 - Independent Environmental Checker (IEC) – Fugro (HK) Limited (Furgo)
- 2.7 The proposed project organization and lines of communication with respect to the on-site environmental management structure are shown in **Figure 4**. The key personnel

contact names and numbers are summarized in **Table 2.1**.

Table 2.1 Key Contacts of the Project

Party	Role	Position	Name	Phone No.	Fax No.
CEDD	Project Proponent	Senior Engineer	Ms. Esther Yung	2301 1302	2301 1277
AECOM Consulting Services Limited	Engineer's Representative	Resident Engineer	Mr. Tsui Shiu Kai	2148 7638	2148 7277
ZHEC	Contractor	Project Manager	Mr. YF Cho	9493 9201	2379 5931
		Site Agent	Mr. Joe Cheung	9263 6339	
		Environmental Officer	Mr. CK Kwan	9506 3074	
Fugro	Independent Environmental Checker (IEC)	IEC	Mr. Joseph Poon	2450 8238	2450 6138
Cinotech	Environmental Team Leader (ETL)	ETL	Dr. Priscilla Choy	2151 2089	3107 1388

Construction Programme

2.8 A copy of Contractor's construction programme is provided in **Appendix A**.

Summary of Construction Works Undertaken During Reporting Period

2.9 The major site activities of the Project undertaken in the reporting period included:

June 2015:

- (a) Dredging works
- (b) Hoarding erection
- (c) Sorting and breaking of C&D Materials for further disposal off site
- (d) Refuse collection at Cha Kwo Ling WSD Flushing Water Intakes
- (e) Maintenance of silt curtains & silt screen

July 2015:

- (a) Dredging works
- (b) Fencing erection
- (c) Sorting and breaking of C&D Materials for further disposal off site
- (d) Refuse collection at Cha Kwo Ling WSD Flushing Water Intakes
- (e) Maintenance of silt curtains & silt screen

August 2015:

- (a) Dredging works
- (b) Hoarding erection
- (c) Refuse collection at Cha Kwo Ling WSD Flushing Water Intakes
- (d) Maintenance of silt curtains & silt screen

Status of Environmental Licences, Notification and Permits

2.10 The valid environmental licenses and permits were attached in the Monthly EM&A Reports.

3 ENVIRONMENTAL MONITORING AND AUDIT REQUIREMENTS**Monitoring Parameters and Monitoring Locations**

3.1 The EM&A Manual designates locations for the ET to monitor environmental impacts in terms of water quality and noise to the Project. The monitoring locations are depicted in **Figures 2 and 3**. The details of monitoring requirements are presented in **Table 3.1**.

Table 3.1 Summary of Impact EM&A Requirements

Type of Monitoring	Parameter	Location	Frequency	Depth
Water Quality	<ul style="list-style-type: none"> • Temperature(°C) • pH(pH unit) • turbidity (NTU) • water depth (m) • salinity (ppt) • dissolved oxygen (DO) (mg/L and % of saturation) • suspended solids (SS) (mg/L) 	WSD9 WSD10 WSD17	3 days per week, at mid-flood and mid-ebb tides during the course of dredging works	mid-depth

Noise Monitoring

3.2 In accordance with the EIA Report and the EM&A Manual, it is anticipated that construction activities, if unmitigated, would not cause any adverse noise impact to the nearest NSRs in the vicinity of the work site. The predicted noise levels at the NSRs would comply with construction noise criteria.

3.3 These nearest NSRs are designated for construction noise monitoring as listed in Table 3.2 and **Figure 3**.

Table 3.2 Planned Noise Monitoring Stations during Construction Phase

Monitoring Stations	Description
NM1	Planned Residential Development (R3 site)
NM2	Planned Residential Development (R3 site)

- 3.4 As per Section 3.1.1 of the EM&A Manual states that "Noise levels shall be monitored to evaluate the construction noise impact if there is any planned noise sensitive receivers (NSRs) occupied within 300m from the works area of this Project during the proposed dredging works". Therefore, the impact monitoring for construction noise shall only be carried out when the planned residential development at the two identified monitoring stations are occupied at a later stage.

Monitoring Methodology and Calibration Details

- 3.5 Monitoring works/equipments were conducted/calibrated regularly in accordance with the EM&A Manual. Copies of calibration certificates are attached in the appendices of the Monthly EM&A Reports.

Environmental Quality Performance Limits (Action and Limit Levels)

- 3.6 The environmental quality performance limits, i.e. Action and Limit Levels were derived from the baseline monitoring results (except the Action and Limit Levels for underwater noise monitoring). Should the measured environmental quality parameters exceed the Action/Limit Levels, the respective Action Plan provided in **Appendix D** would be implemented. The Action/Limit Levels for each environmental parameter are given in **Table 3.3**.

Table 3.3 Action and Limit Levels for Water Quality Monitoring

Station	Turbidity (NTU)				Suspended Solid (mg/L)			
	Action Level		Limit Level		Action Level		Limit Level	
	Dry Season	Wet Season	Dry Season	Wet Season	Dry Season	Wet Season	Dry Season	Wet Season
WSD9	5.6	7.0	10.6	13.4	10.2	12.8	10.8	13.5
WSD10	6.3	8.1	9.4	12.1	10.0	11.2	11.8	13.2
WSD17	10.0	12.9	15.3	19.7	13.2	14.7	15.3	17.0

Implementation Status of Environmental Mitigation Measures

- 3.7 According to the EIA Study Report, Environmental Permit and the EM&A Manual, the mitigation measures detailed in the documents are recommended to be implemented during the construction phase. An updated summary of the EMIS is provided in **Appendix E**.
- 3.8 Closed grab dredger was used for dredging works to minimize release of sediment and other contaminants during dredging.
- 3.9 No more than two dredgers were used at the same time during the dredging and the total maximum dredging rate was not exceed 4,000m³ per day and 334m³ per hour.
- 3.10 Silt curtain was installed around the dredgers during the dredging operation.
- 3.11 Silt screen was installed at the Water Supplies Department's flushing water intakes at Cha Kwo Ling, Quarry Bay and Tai Wan.
- 3.12 Regular maintenance of the silt screens and refuse collection was performed at the silt screens on daily basis.

Site Audit Summary

- 3.13 Site audits were carried out by ET on weekly basis to monitor the timely implementation of proper environmental management practices and mitigation measures in the Project site. The observations and recommendations made during the reporting period are summarized in **Appendix F**.

Status of Waste Management

- 3.14 According to the Contractor, marine sediment (Type 1 – Open Sea Disposal, and Type 1 Open Sea Disposal (Dedicated Site) and Type 2 – Confined Marine Disposal) were generated and disposed in the reporting period.
- 3.15 The amount of marine sediment under the Project during the reporting period is shown in **Table 3.4**.

Table 3.4 Summary of Marine Sediment in Reporting Period

Waste Type	Quantity in the Reporting Period, m ³ (Bulk Volume)	Cumulative-to-Date m ³ (Bulk Volume)	Disposal / Dumping Ground
Marine Sediment (Type1 – Open Sea Disposal)	168,500	175,000	East of Sha Chau
Marine Sediment (Type 1 Open Sea Disposal (Dedicated Site) and Type 2 – Confined Marine Disposal)	39,300	64,300	The South of Brothers

4 ENVIRONMENTAL MONITORING RESULTS

Water Quality Monitoring Results

4.1 The graphical presentation of water quality at the monitoring stations is shown in **Appendix B**.

4.2 No Action/Limit Level exceedance was recorded for water quality.

Water Quality Surveillance System

4.3 6 water quality surveillance monitoring events were conducted in the reporting period in accordance with Particular Specification, Section 25.38. Turbidity and SS monitoring were conducted at 12 locations which summarized in **Table 4.1** and shown in **Figure 5**.

Table 4.1 Monitoring Stations for Water Quality Surveillance System

Set	Monitoring Stations	Coordinates	
		Northing	Easting
A ⁽¹⁾	A1	818527.579	839733.348
	A2	818742.398	839386.623
	A3	818496.534	839524.739
	A4	818245.810	839713.112
	A5	817842.450	839754.669
	A6	817637.499	839540.500
	A7	817957.756	839515.877
B	B1	Position change with the location of dredger and the silt curtain at grab in 4 orthogonal directions from the silt curtain at grab as agreed with the Engineer	
	B2		
	B3		
	B4		
C	C1	Position change with the location of dredger and the silt curtain at grab in 4 orthogonal directions from the silt curtain at grab as agreed with the Engineer	
	C2		
	C3		
	C5		

Remarks: ⁽¹⁾ Set A sampling works were conducted at monitoring stations A1 to A4 for the monitoring works on June, July and 5 August 2015. Set A sampling works were conducted at monitoring stations A4 to A7 for the monitoring works on 28 August 2015.

4.4 The monitoring data and graphical presentations of the monitoring results of water quality surveillance system are shown in **Appendix C**.

5 ENVIRONMENTAL NON-CONFORMANCE (EXCEEDANCES)

Summary of Exceedances

- 5.1 Summary of exceedance is provided in **Appendix G**.
- 5.2 No Action/Limit Level exceedance was recorded for water quality.

Summary of Environmental Complaint

- 5.3 No environmental related complaint was received in the reporting period. The Complaint Log is attached in **Appendix H**.

Summary of Notification of Summons and Successful Prosecution

- 5.4 There was no prosecution or notification of summons received since the Project commencement.

6 CONCLUSIONS AND RECOMMENDATIONS

Conclusions

- 6.1 The Quarterly Environmental Monitoring and Audit (EM&A) Report presents the EM&A works undertaken in the period between June to August 2015 in accordance with EM&A Manual.
- 6.2 No Action/Limit Level exceedance was recorded for water quality.
- 6.3 Environmental site inspection was conducted on 2nd, 9th, 18th, 23rd and 30th June and 7th, 16th, 21st and 28th July 2015 and 4th, 11th, 20th and 25th August 2015 by ET of this Project in the reporting period. All deficiencies identified during the site inspection have already rectified / improved during the follow-up audit session.
- 6.4 There were no environmental complaint, no notification of summons and successful prosecution received.
- 6.5 The ET will keep track on the EM&A programme to ensure compliance of environmental requirements and the proper implementation of all necessary mitigation measures.

Recommendations

- 6.6 According to the environmental audit performed in the reporting period, the follow recommendations were made:

Water Quality

- To provide regularly check and maintenance for the silt curtain / screen throughout the dredging period.
- To clear the floating refuse at the silt screen at WSD flushing water intake regularly.
- Stagnant water in drip trays should be cleared regularly to avoid accumulation, especially during rainy season.

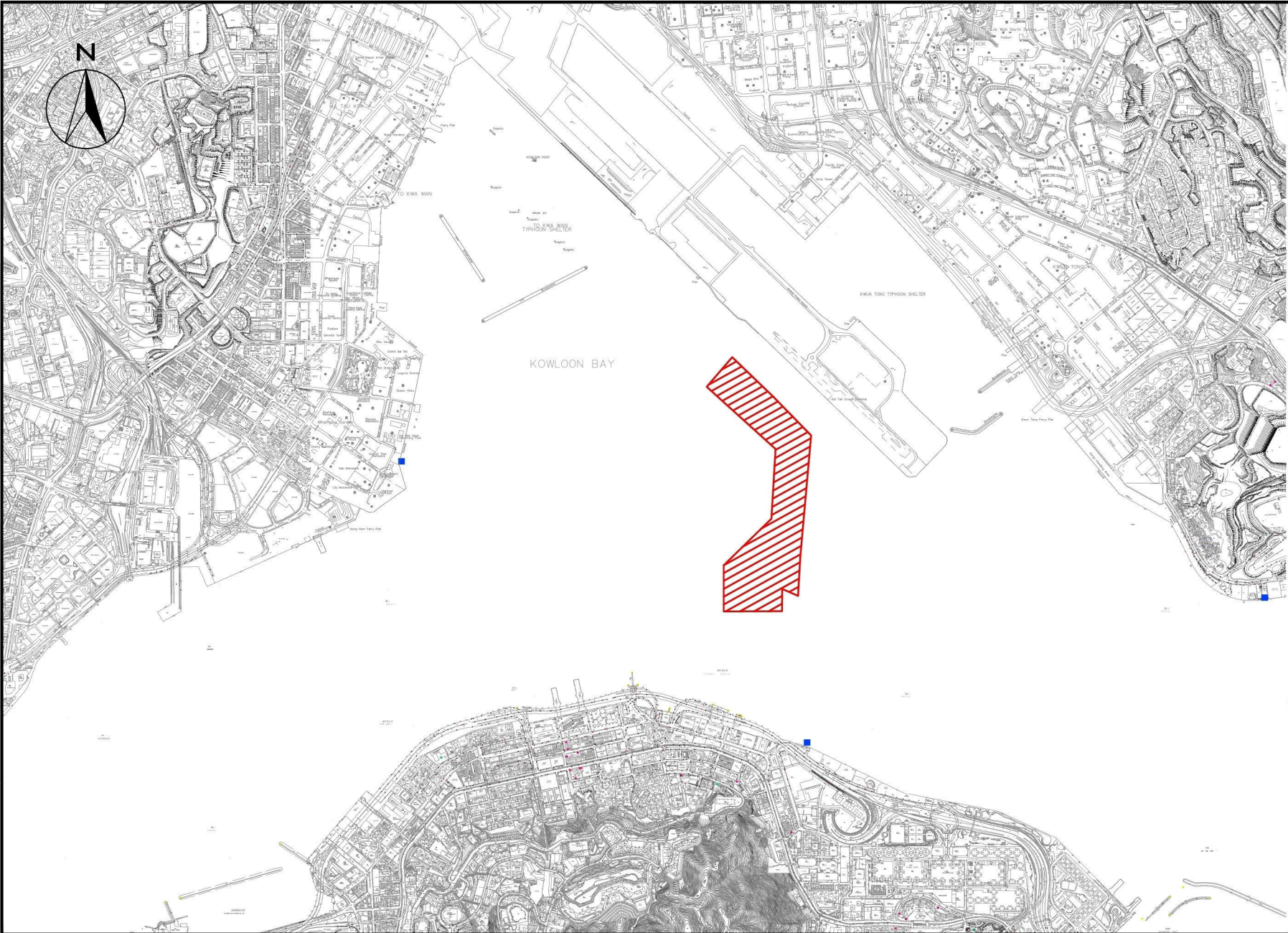
Air Quality

- Water spraying should be provided at the site areas and the area with dust generating activities to suppress dust generation.

Waste / Chemical Management

- Drip tray should be provided to chemical containers to prevent chemical spillage.
- Oil drums stored within the site area should be properly labelled.

FIGURE(S)



LEGEND



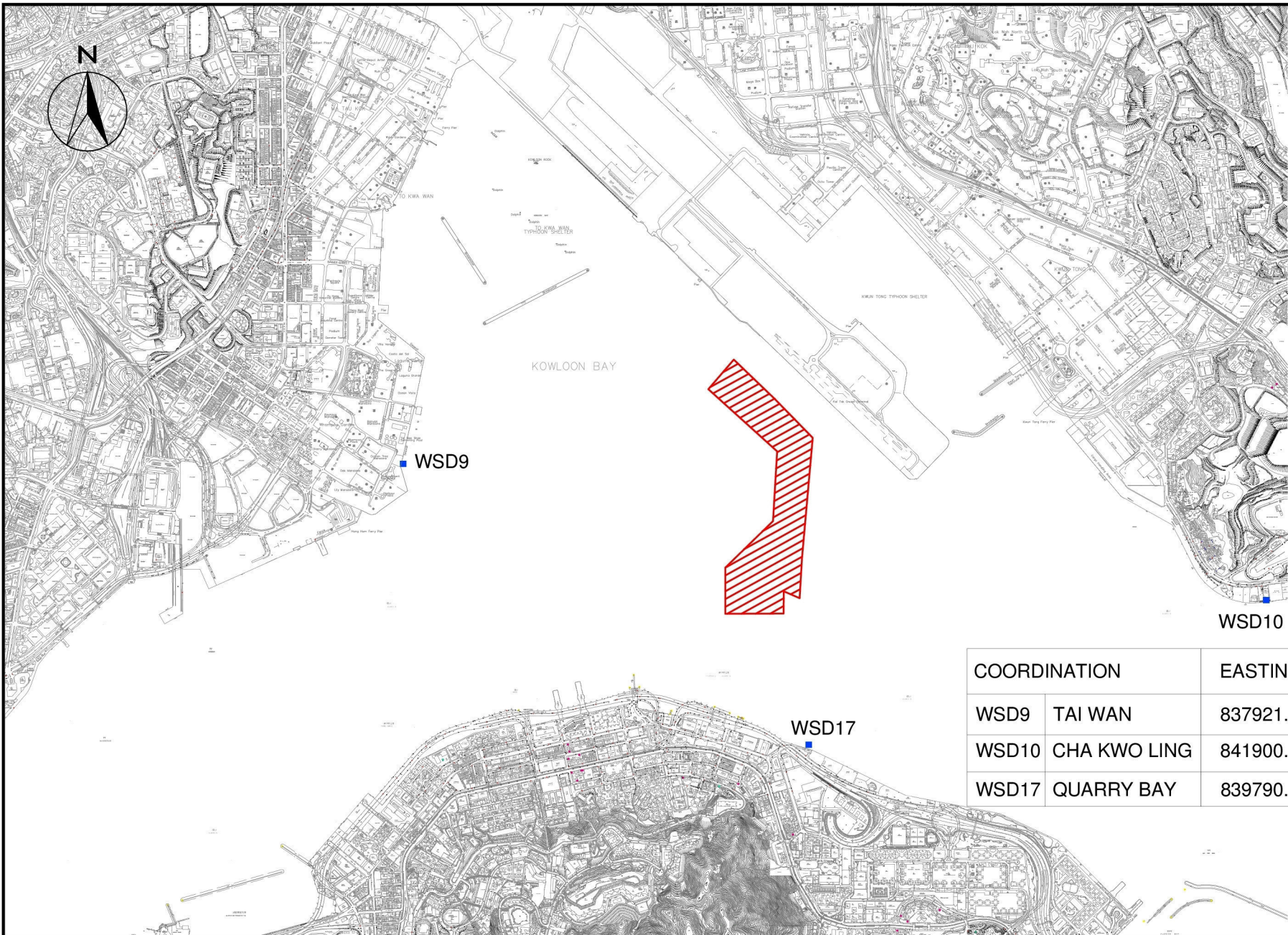
**DREDGING
AREA**

CONTRACT NO. KL/2013/01 - SITE FORMATION FOR KAI TAK CRUISE TERMINAL
DEVELOPMENT - REMAINING WORKS


SITE LAYOUT PLAN


CINOTECH
Cinotech Consultants Limited

SCALE	1:25000@A4	DATE	JUN 15
CHECK	IT	DRAWN	JW
JOB No.	MA15011	FIGURE NO.	1
		REV	-



LEGEND

 DREDGING AREA

 WATER QUALITY MONITORING STATION

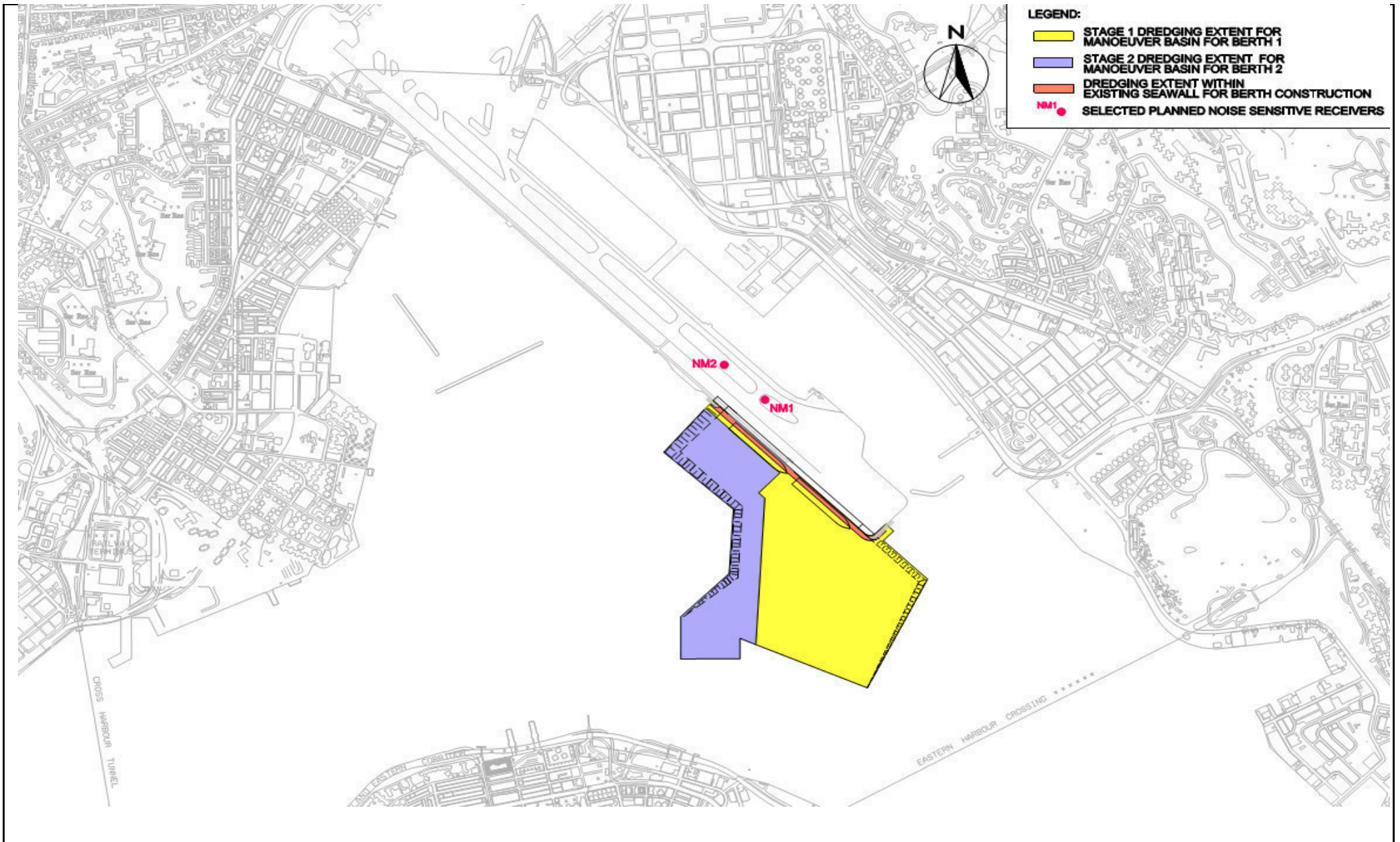
COORDINATION		EASTING (m)	NORTHING (m)
WSD9	TAI WAN	837921.0	818330.0
WSD10	CHA KWO LING	841900.9	817700.1
WSD17	QUARRY BAY	839790.3	817032.2



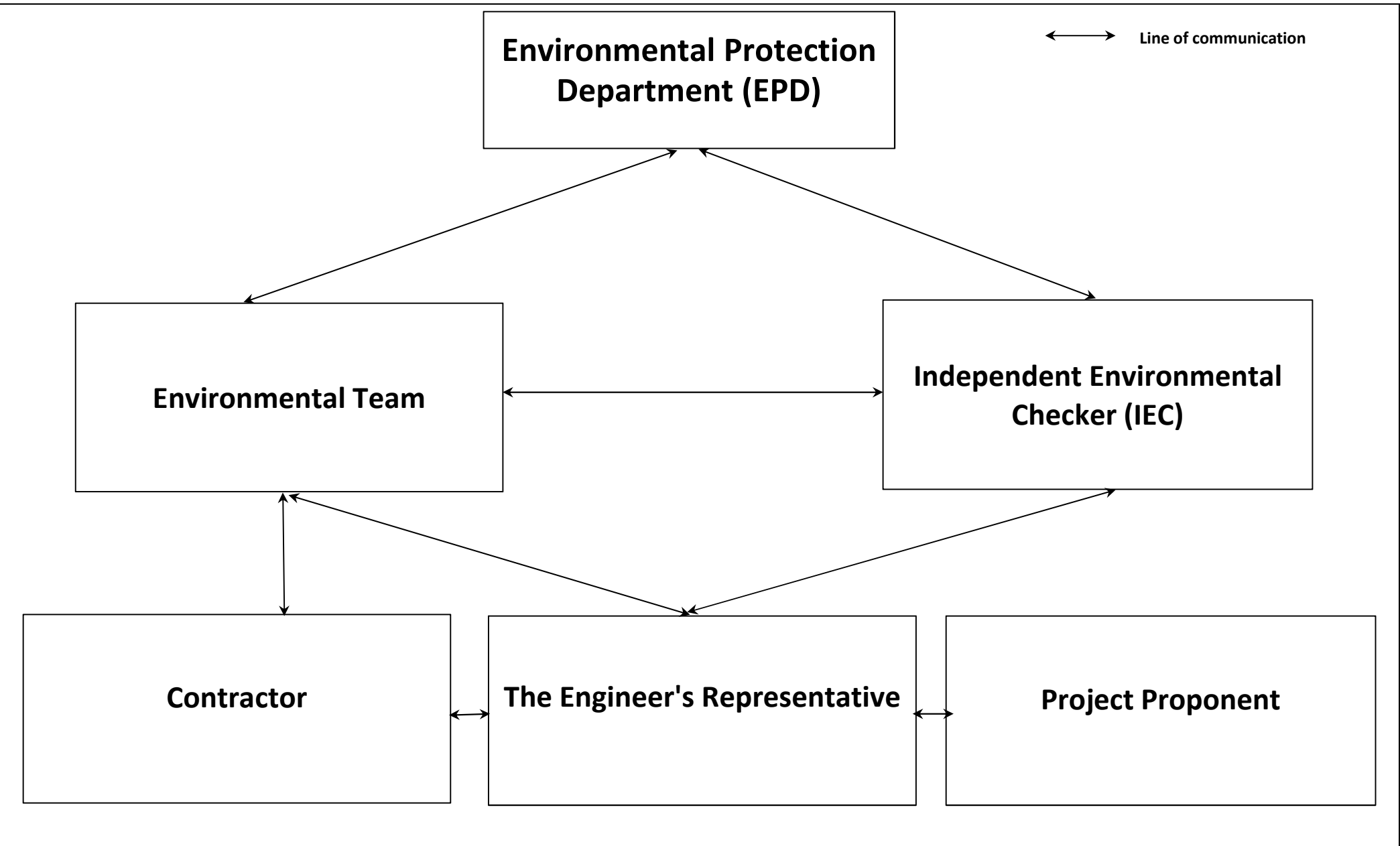
CONTRACT NO. KL/2013/01 - SITE FORMATION FOR KAI TAK CRUISE TERMINAL DEVELOPMENT - REMAINING WORKS

LOCATION OF WATER QUALITY MONITORING STATIONS

SCALE	1:25000@A4	DATE	JUN 15	
CHECK	IT	DRAWN	JW	
JOB No.	MA15011	FIGURE NO.	2	REV -



Title	Contract No. KL/2013/01 Site Formation for Kai Tak Cruise Terminal Development - Remaining Works Planned Noise Monitoring Stations during Construction Phase	Scale	N.T.S	Propose	No. MA15011	CINOTECH
		Date	Apr-15	Figure		



↔ Line of communication

Title	Contract No. KL/2013/01	Scale	N.T.S	Propose	MA15011	CINOTECH
	Site Formation for Kai Tak Cruise Terminal Development - Remaining Works	Date	Apr-15	Figure	4	
Project Organisation for Environmental Works						



A2

A3

A1

A4

DZC(2)

DZC(3)

Kai Tak Cruise Terminal

5.0 +

5.9

LEGEND

- SILT CURTAIN(S) AT GRAB
- HOPPER BARGE
- DREDGER
- SILT CURTAIN (SURROUNDING THE DREDGER)

SET	COORDINATE	EASTING (m)	NORTHING (m)
A	A1	839733.348	818527.579
	A2	839386.623	818742.398
	A3	839524.739	818496.534
	A4	839713.112	818245.810
B	B1	POSITIONS CHANGE WITH THE LOCATION OF DREDGER AND THE SILT CURTAIN AT GRAB AND IN 4 ORTHOGONAL DIRECTIONS FROM THE SILT CURTAIN AS AGREED WITH THE ENGINEER	
	B2		
	B3		
	B4		
C	C1	POSITIONS CHANGE WITH THE LOCATION OF DREDGER AND THE SILT CURTAIN AT GRAB AND IN 4 ORTHOGONAL DIRECTIONS FROM THE SILT CURTAIN AS AGREED WITH THE ENGINEER	
	C2		
	C3		
	C5		



CONTRACT NO. KL/2013/01 - SITE FORMATION FOR KAI TAK CRUISE TERMINAL DEVELOPMENT - REMAINING WORKS

WATER QUALITY SURVEILLANCE SYSTEM - TYPICAL ARRANGEMENT
10 June 2015

SCALE	N.T.S.		JUN 15
CHECK	IT	DRAWN	KC
JOB No.	MA15011	FIGURE	REV
		5.1	-



B2

B3

C2

C3





C5

C1

B1

B4

LEGEND

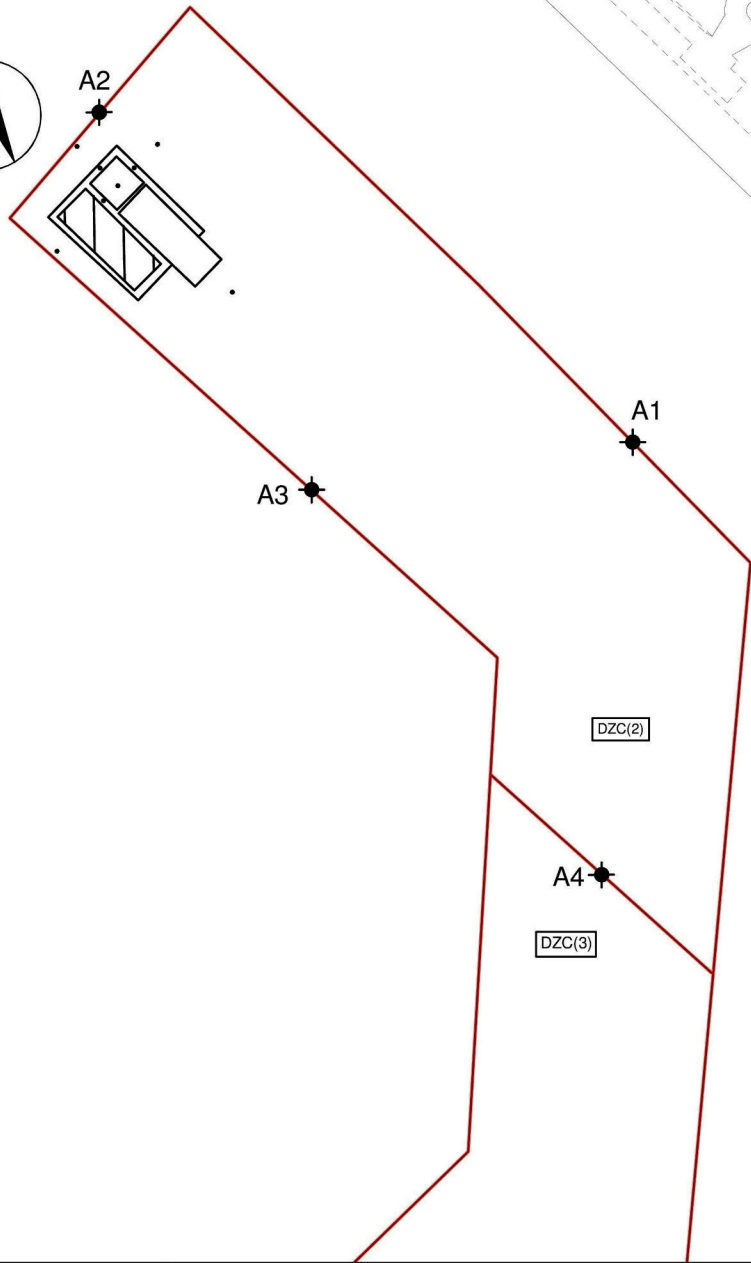
-  SILT CURTAIN(S) AT GRAB
-  HOPPER BARGE
-  DREDGER
-  SILT CURTAIN (SURROUNDING THE DREDGER)



CONTRACT NO. KL/2013/01 - SITE FORMATION FOR KAI TAK CRUISE TERMINAL DEVELOPMENT - REMAINING WORKS

LOCATION OF WATER QUALITY MONITORING STATION FOR WATER QUALITY SURVEILLANCE SYSTEM - 10 JUNE 2015

	N.T.S.		JUN 15
CHECK	IT	DRAWN	KC
JOB No.	MA15011	FIGURE	5.2
		REV	-

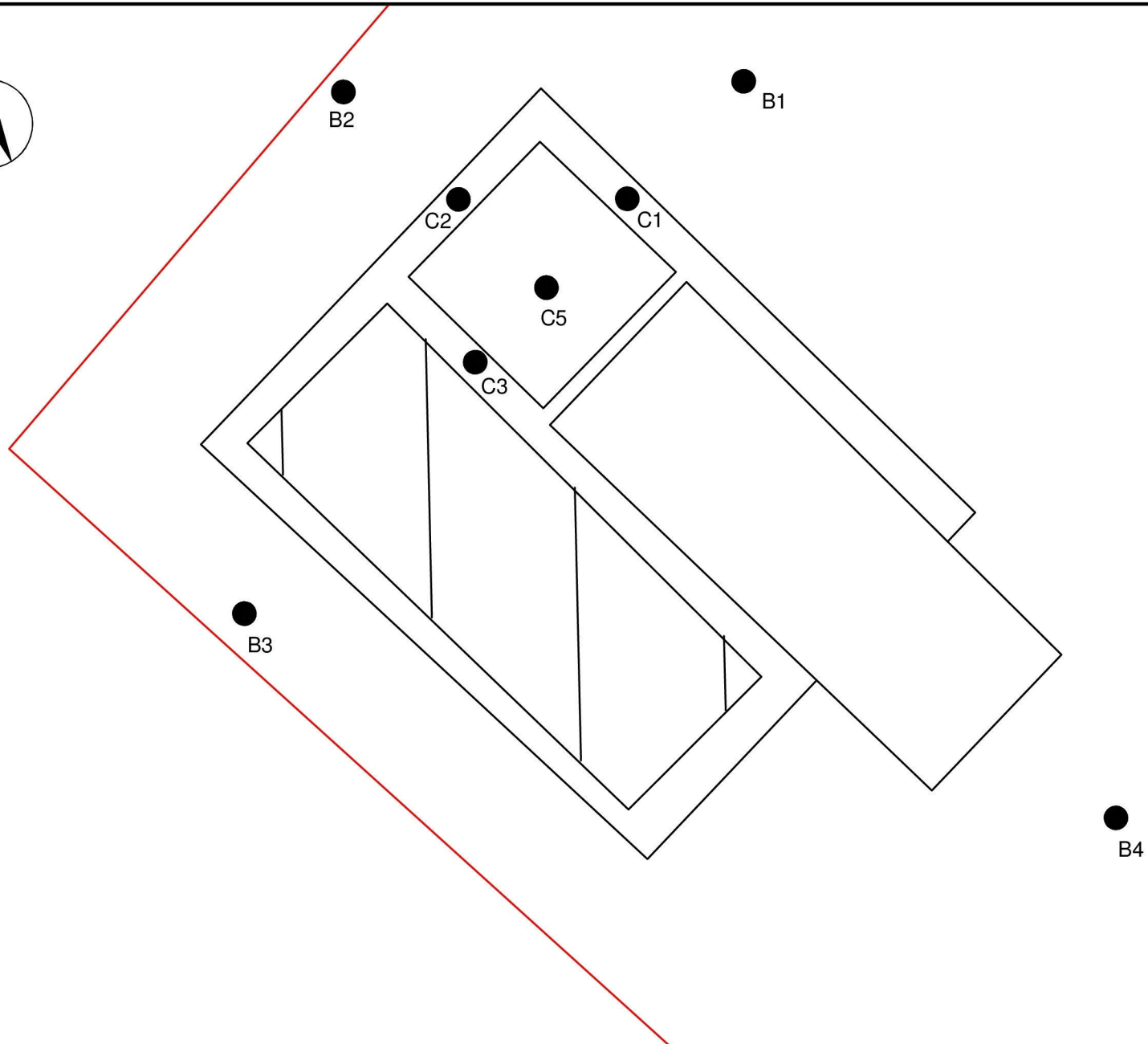






Kai Tak Cruise Terminal

LEGEND

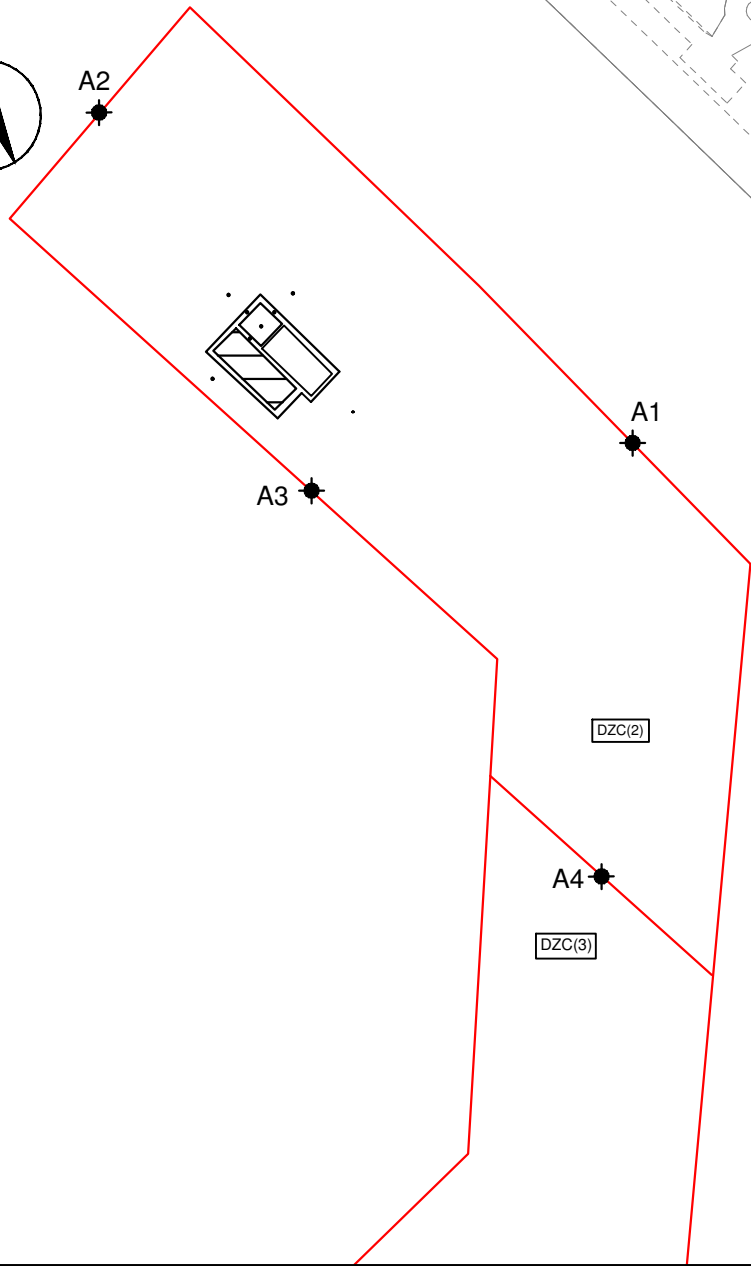
- SILT CURTAIN(S) AT GRAB
- HOPPER BARGE
- DREDGER
- SILT CURTAIN (SURROUNDING THE DREDGER)

SET	COORDINATE	EASTING (m)	NORTHING (m)
A	A1	839733.348	818527.579
	A2	839386.623	818742.398
	A3	839524.739	818496.534
	A4	839713.112	818245.810
B	B1	POSITIONS CHANGE WITH THE LOCATION OF DREDGER AND THE SILT CURTAIN AT GRAB AND IN 4 ORTHOGONAL DIRECTIONS FROM THE SILT CURTAIN AS AGREED WITH THE ENGINEER	
	B2		
	B3		
	B4		
C	C1	POSITIONS CHANGE WITH THE LOCATION OF DREDGER AND THE SILT CURTAIN AT GRAB AND IN 4 ORTHOGONAL DIRECTIONS FROM THE SILT CURTAIN AS AGREED WITH THE ENGINEER	
	C2		
	C3		
	C5		



- LEGEND**
-  SILT CURTAIN(S) AT GRAB
 -  HOPPER BARGE
 -  DREDGER
 -  SILT CURTAIN (SURROUNDING THE DREDGER)

	N.T.S.		JUN 15
CHECK	IT	DRAWN	KC
JOB No.	MA15011	FIGURE	5.4
		REV	-

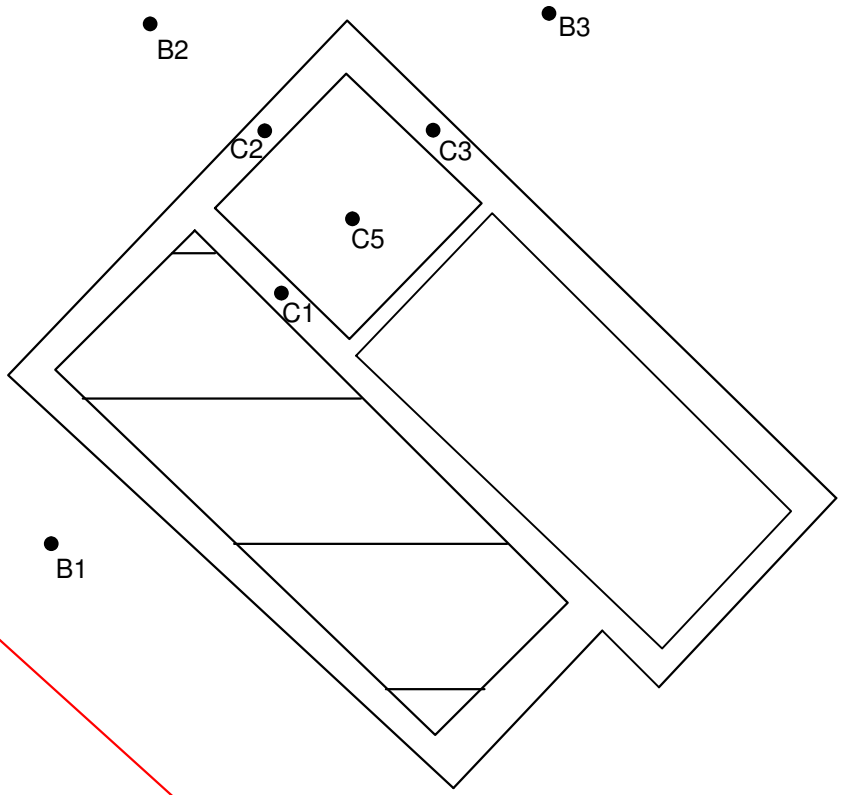
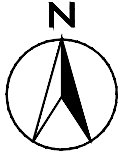


Kai Tak Cruise Terminal

LEGEND

- SILT CURTAIN(S) AT GRAB
- HOPPER BARGE
- DREDGER
- SILT CURTAIN (SURROUNDING THE DREDGER)

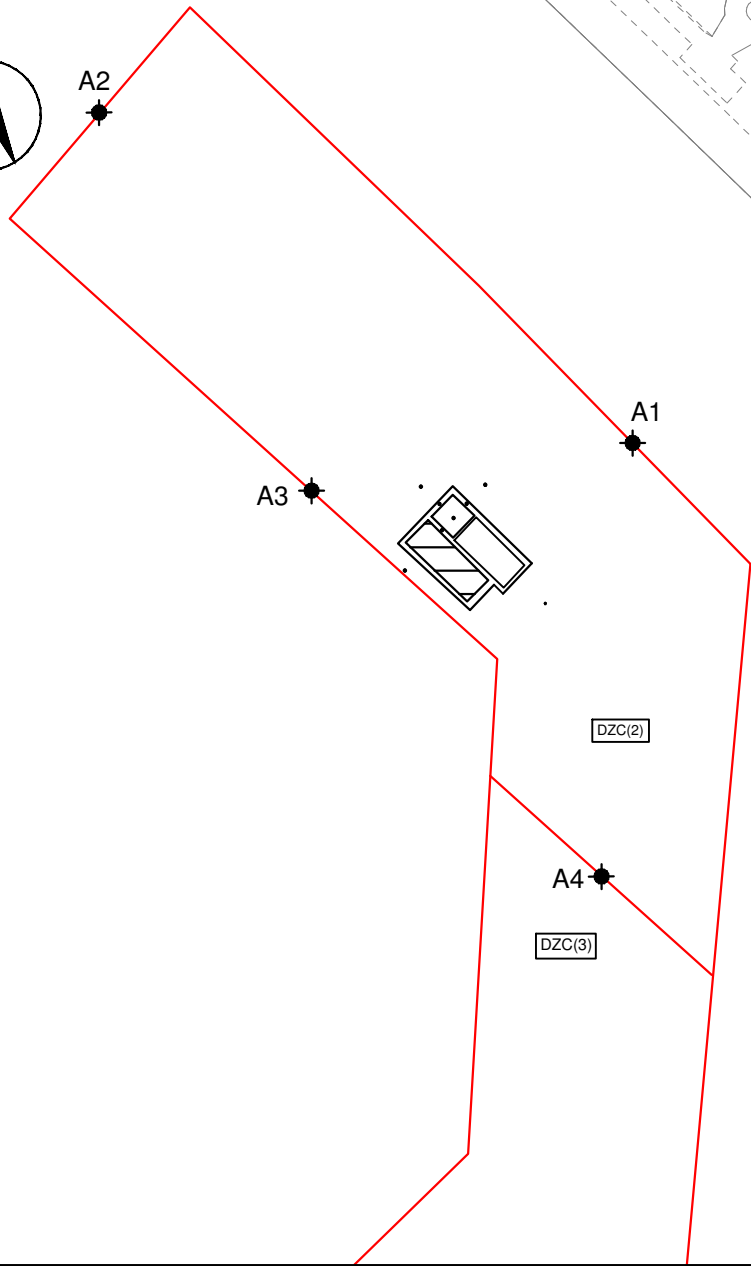
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	A2	839386.623	818742.398
	A3	839524.739	818496.534
	A4	839713.112	818245.810
B	B1	POSITIONS CHANGE WITH THE LOCATION OF DREDGER AND THE SILT CURTAIN AT GRAB AND IN 4 ORTHOGONAL DIRECTIONS FROM THE SILT CURTAIN AS AGREED WITH THE ENGINEER	
	B2		
	B3		
	B4		
C	C1	POSITIONS CHANGE WITH THE LOCATION OF DREDGER AND THE SILT CURTAIN AT GRAB AND IN 4 ORTHOGONAL DIRECTIONS FROM THE SILT CURTAIN AS AGREED WITH THE ENGINEER	
	C2		
	C3		
	C5		



LEGEND

- SILT CURTAIN(S) AT GRAB
- HOPPER BARGE
- DREDGER
- SILT CURTAIN (SURROUNDING THE DREDGER)

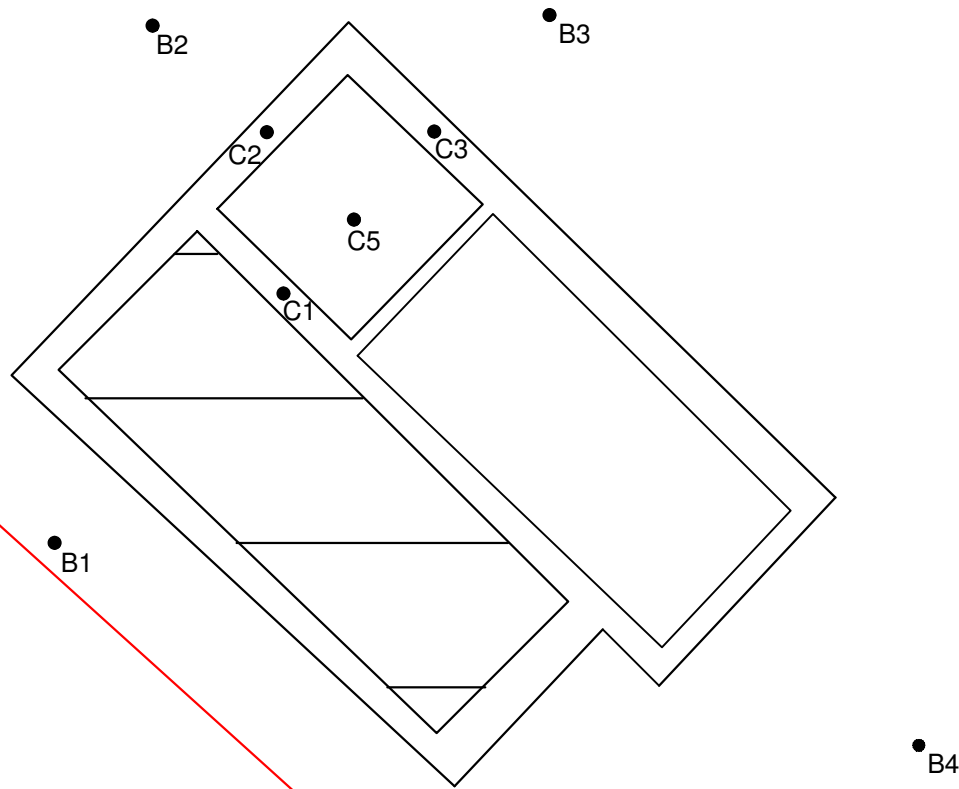
	N.T.S.		JUL 15
CHECK	IT	DRAWN	KC
JOB No.	MA15011	FIGURE	5.6
		REV	-



LEGEND

- SILT CURTAIN(S) AT GRAB
- HOPPER BARGE
- DREDGER
- SILT CURTAIN (SURROUNDING THE DREDGER)

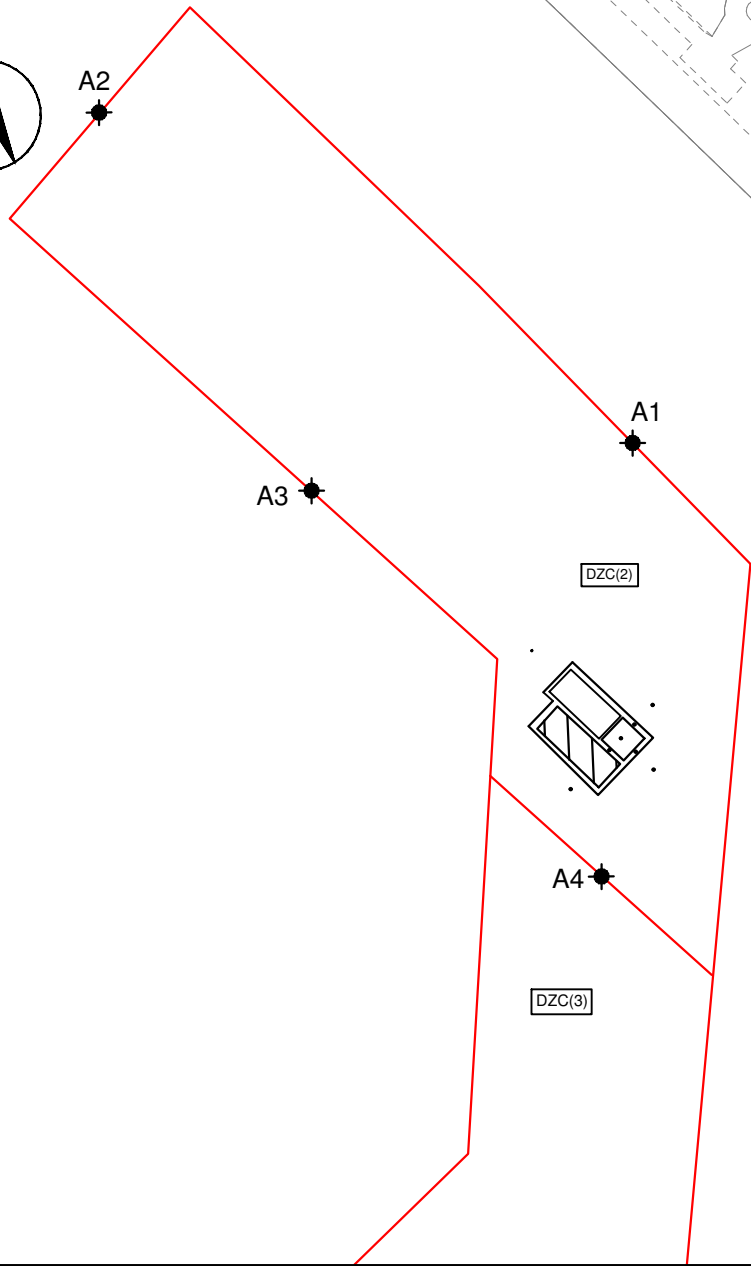
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	A2	839386.623	818742.398
	A3	839524.739	818496.534
	A4	839713.112	818245.810
B	B1	POSITIONS CHANGE WITH THE LOCATION OF DREDGER AND THE SILT CURTAIN AT GRAB AND IN 4	
	B2	ORTHOGONAL DIRECTIONS FROM THE SILT CURTAIN AS AGREED WITH THE ENGINEER	
	B3		
	B4		
C	C1	POSITIONS CHANGE WITH THE LOCATION OF DREDGER AND THE SILT CURTAIN AT GRAB AND IN 4	
	C2	ORTHOGONAL DIRECTIONS FROM THE SILT CURTAIN AS AGREED WITH THE ENGINEER	
	C3		
	C5		



LEGEND

- SILT CURTAIN(S) AT GRAB
- HOPPER BARGE
- DREDGER
- SILT CURTAIN (SURROUNDING THE DREDGER)

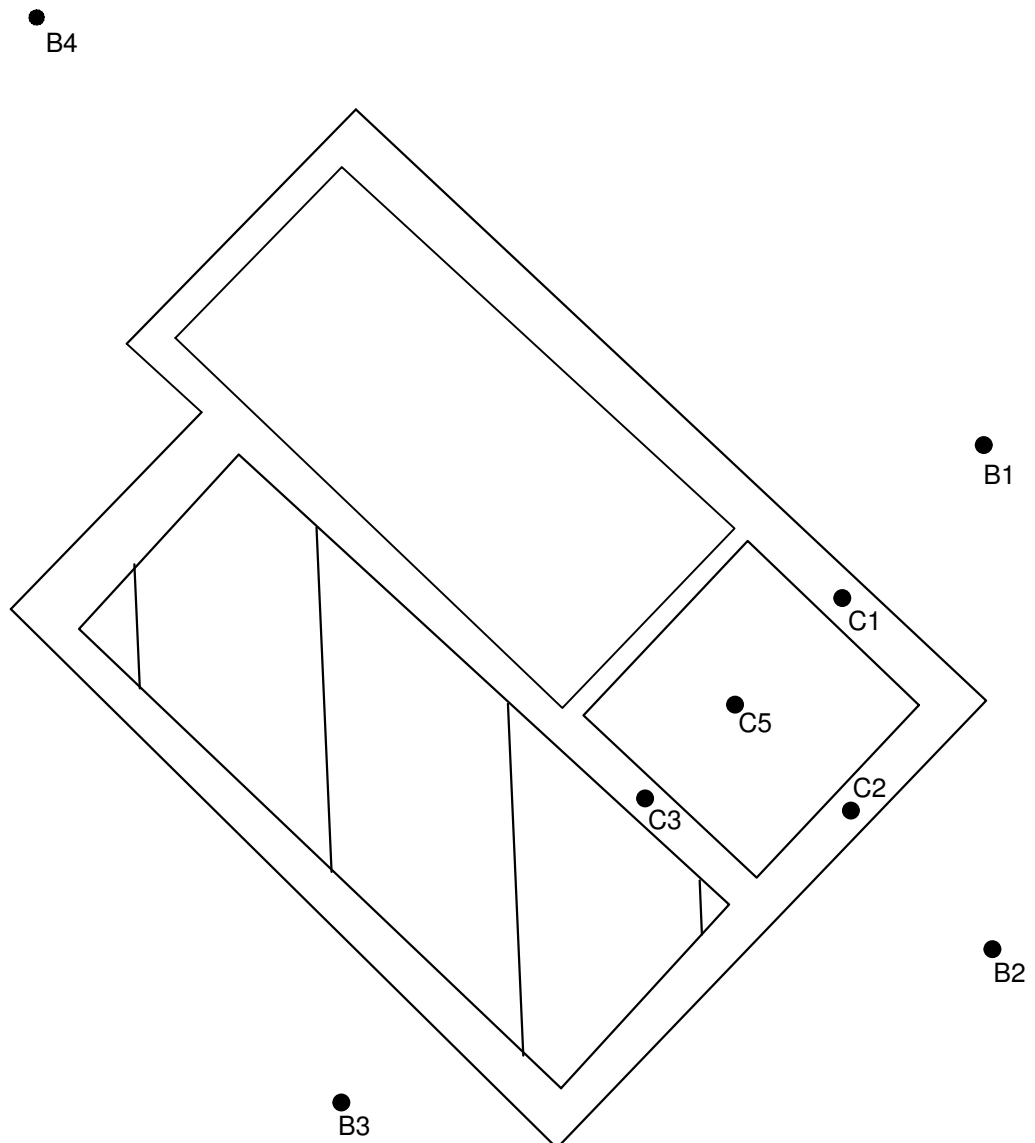
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CHECK	IT	DRAWN	KC
JOB No.	MA15011	FIGURE	5.8
		REV	-







LEGEND

- SILT CURTAIN(S) AT GRAB
- HOPPER BARGE
- DREDGER
- SILT CURTAIN (SURROUNDING THE DREDGER)

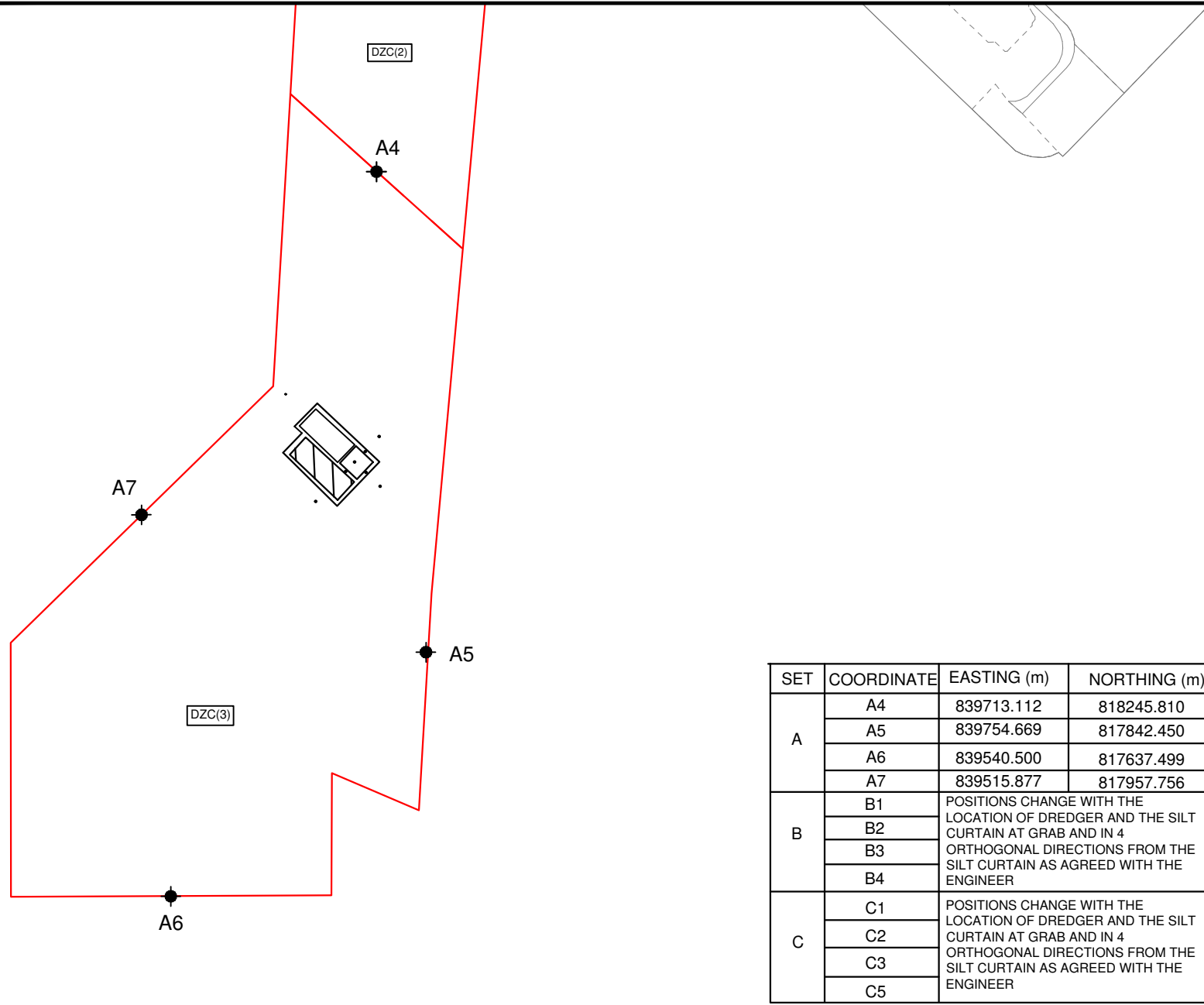
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	A2	839386.623	818742.398
	A3	839524.739	818496.534
	A4	839713.112	818245.810
B	B1	POSITIONS CHANGE WITH THE LOCATION OF DREDGER AND THE SILT CURTAIN AT GRAB AND IN 4	
	B2	ORTHOGONAL DIRECTIONS FROM THE SILT CURTAIN AS AGREED WITH THE ENGINEER	
	B3		
	B4		
C	C1	POSITIONS CHANGE WITH THE LOCATION OF DREDGER AND THE SILT CURTAIN AT GRAB AND IN 4	
	C2	ORTHOGONAL DIRECTIONS FROM THE SILT CURTAIN AS AGREED WITH THE ENGINEER	
	C3		
	C5		



LEGEND

-  SILT CURTAIN(S) AT GRAB
-  HOPPER BARGE
-  DREDGER
-  SILT CURTAIN (SURROUNDING THE DREDGER)

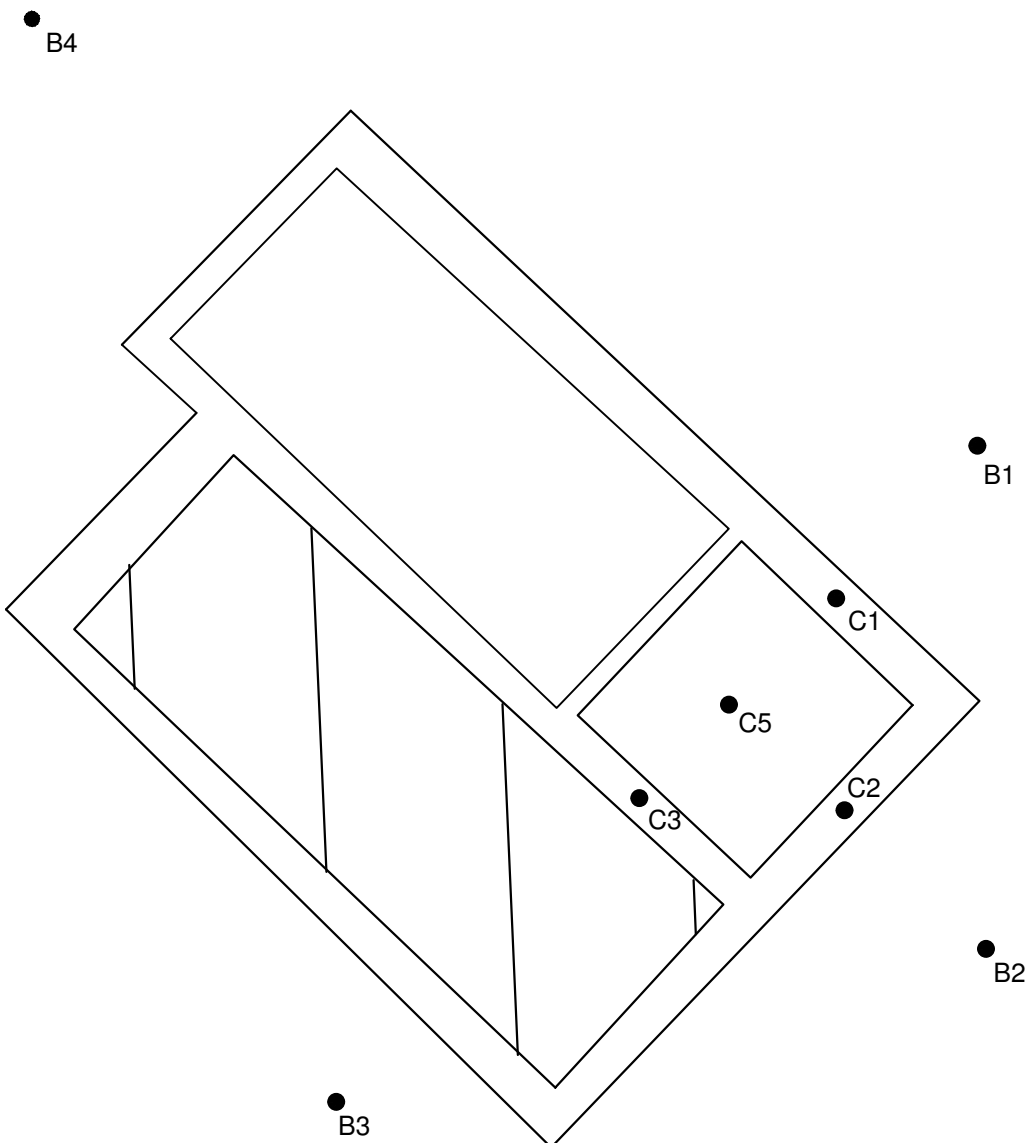
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CHECK	IT	DRAWN	KC
JOB No.	MA15011	FIGURE	5.10
		REV	-







LEGEND

- SILT CURTAIN(S) AT GRAB
- HOPPER BARGE
- DREDGER
- SILT CURTAIN (SURROUNDING THE DREDGER)

SET	COORDINATE	EASTING (m)	NORTHING (m)
A	A4	839713.112	818245.810
	A5	839754.669	817842.450
	A6	839540.500	817637.499
	A7	839515.877	817957.756
B	B1	POSITIONS CHANGE WITH THE LOCATION OF DREDGER AND THE SILT CURTAIN AT GRAB AND IN 4	
	B2	ORTHOGONAL DIRECTIONS FROM THE SILT CURTAIN AS AGREED WITH THE ENGINEER	
	B3		
	B4		
C	C1	POSITIONS CHANGE WITH THE LOCATION OF DREDGER AND THE SILT CURTAIN AT GRAB AND IN 4	
	C2	ORTHOGONAL DIRECTIONS FROM THE SILT CURTAIN AS AGREED WITH THE ENGINEER	
	C3		
	C5		



LEGEND

-  SILT CURTAIN(S) AT GRAB
-  HOPPER BARGE
-  DREDGER
-  SILT CURTAIN (SURROUNDING THE DREDGER)



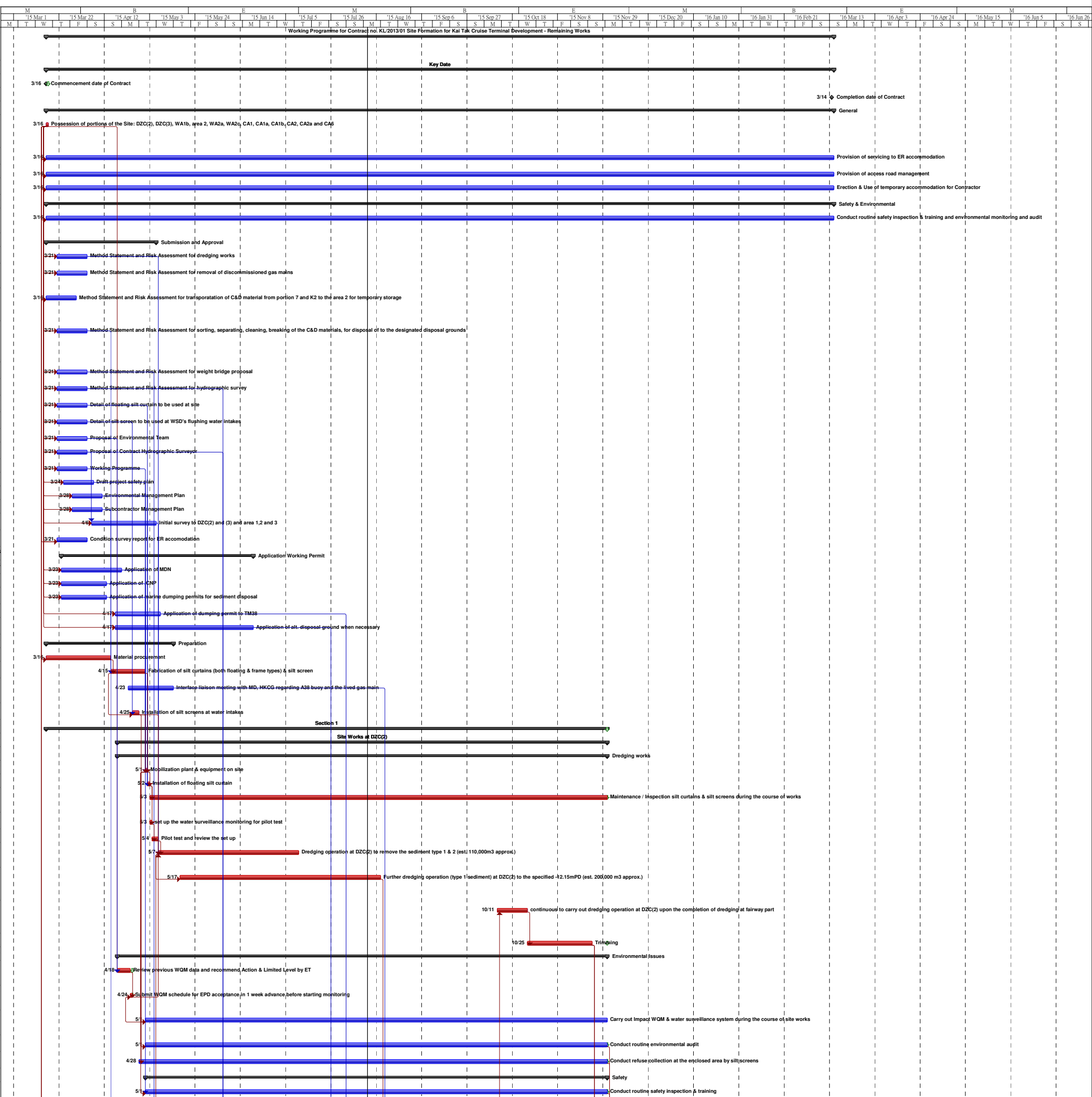
CONTRACT NO. KL/2013/01 - SITE FORMATION FOR KAI TAK CRUISE TERMINAL
DEVELOPMENT - REMAINING WORKS

LOCATION OF WATER QUALITY MONITORING STATION FOR WATER QUALITY
SURVEILLANCE SYSTEM - 28 August 2015

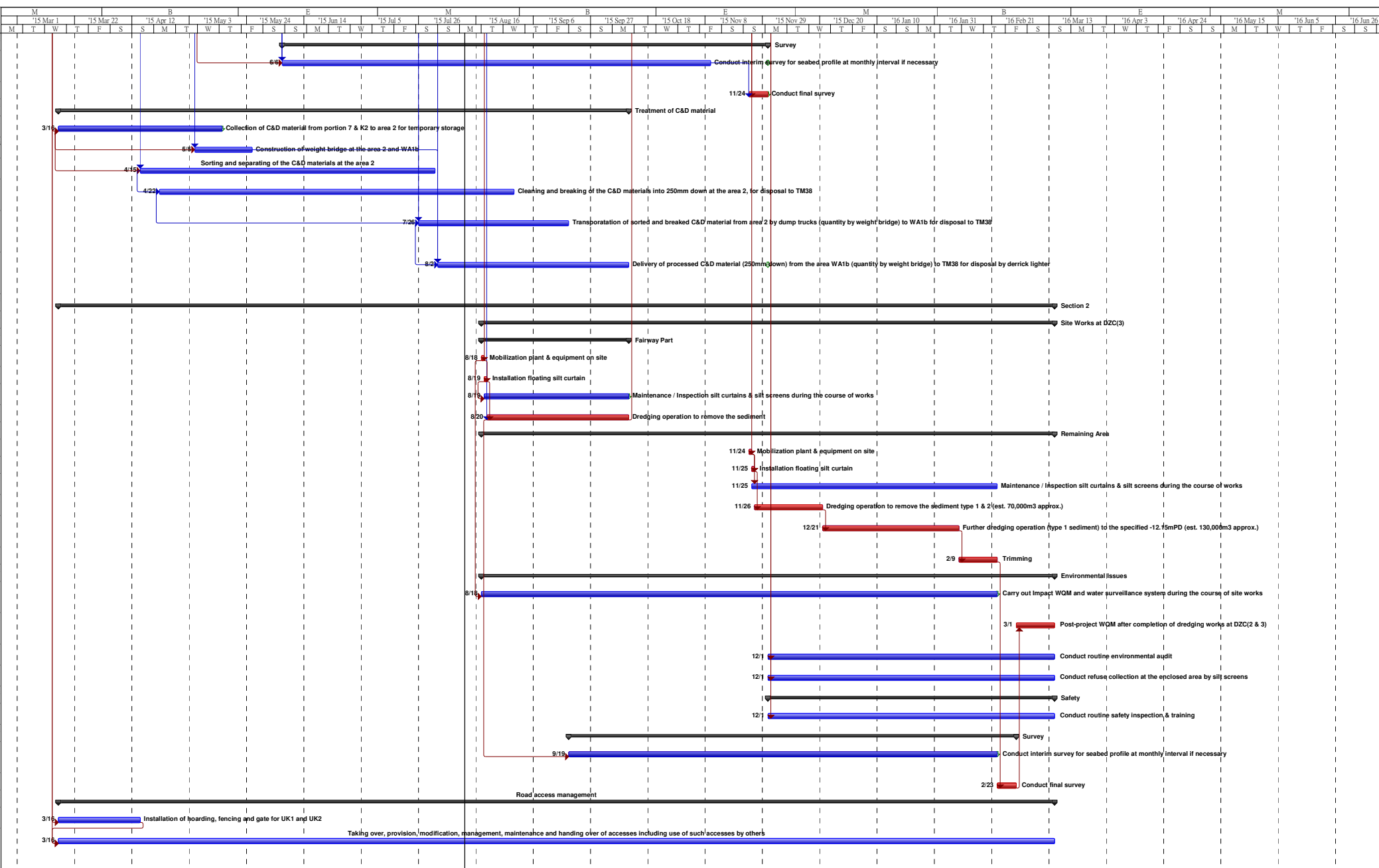
	N.T.S.		SEP 15
CHECK	IT	DRAWN	KC
JOB No.	MA15011	FIGURE	5.12
		REV	-

**APPENDIX A
CONSTRUCTION PROGRAMME**

New ID	Task Name	Duration	Early Start	Early Finish	Late Start	Late Finish	Free Slack	Total Slack
1	Working Programme for Contract no. KL/2013/01 Site Formation for Kai Tak Cruise Terminal Development - Remaining Works	365 days	2015 March 16	2016 March 14	2015 March 16	2016 March 14	0 days	0 days
2	Key Date	365 days	2015 March 16	2016 March 14	2015 March 16	2016 March 14	0 days	0 days
3	Commencement date of Contract	0 days	2015 March 16	2015 March 16	2015 March 16	2015 March 16	1 day	1 day
4	Completion date of Contract	0 days	2016 March 14	2016 March 14	2016 March 14	2016 March 14	1 day	1 day
5	General	365 days	2015 March 16	2016 March 14	2015 March 16	2016 March 14	0 days	0 days
6	Possession of portions of the Site: DZC(2), DZC(3), WA1b, area 2, WA2a, WA2c, CA1, CA1a, CA1b, CA2, CA2a and CA6	1 day	2015 March 16	2015 March 16	2015 March 16	2015 March 16	0 days	0 days
7	Provision of servicing to ER accommodation	365 days	2015 March 16	2016 March 14	2015 March 16	2016 March 14	0 days	0 days
8	Provision of access road management	365 days	2015 March 16	2016 March 14	2015 March 16	2016 March 14	0 days	0 days
9	Erection & Use of temporary accommodation for Contractor	365 days	2015 March 16	2016 March 14	2015 March 16	2016 March 14	0 days	0 days
10	Safety & Environmental	365 days	2015 March 16	2016 March 14	2015 March 16	2016 March 14	0 days	0 days
11	Conduct routine safety inspection & training and environmental monitoring and audit	365 days	2015 March 16	2016 March 14	2015 March 16	2016 March 14	0 days	0 days
12	Submission and Approval	51 days	2015 March 16	2015 May 5	2015 March 16	2016 March 14	0 days	0 days
13	Method Statement and Risk Assessment for dredging works	14 days	2015 March 21	2015 April 3	2015 April 23	2015 May 6	33 days	33 days
14	Method Statement and Risk Assessment for removal of discomissioned gas mains	14 days	2015 March 21	2015 April 3	2016 March 1	2016 March 14	346 days	346 days
15	Method Statement and Risk Assessment for transportation of C&D material from portion 7 and K2 to the area 2 for temporary storage	14 days	2015 March 16	2015 March 29	2015 March 16	2015 March 29	0 days	0 days
16	Method Statement and Risk Assessment for sorting, separating, cleaning, breaking of the C&D materials, for disposal of to the designated disposal grounds	14 days	2015 March 21	2015 April 3	2015 May 22	2015 June 4	11 days	62 days
17	Method Statement and Risk Assessment for weight bridge proposal	14 days	2015 March 21	2015 April 3	2015 August 18	2015 August 31	31 days	150 days
18	Method Statement and Risk Assessment for hydrographic survey	14 days	2015 March 21	2015 April 3	2015 June 6	2015 June 19	63 days	77 days
19	Detail of floating silt curtain to be used at site	14 days	2015 March 21	2015 April 3	2015 April 18	2015 May 1	28 days	28 days
20	Detail of silt screen to be used at WSD's flushing water intakes	14 days	2015 March 21	2015 April 3	2015 April 11	2015 April 24	21 days	21 days
21	Proposal of Environmental Team	14 days	2015 March 21	2015 April 3	2015 March 28	2015 April 10	7 days	7 days
22	Proposal of Contract Hydrographic Survey	14 days	2015 March 21	2015 April 3	2015 March 24	2015 April 6	2 days	3 days
23	Working Programme	14 days	2015 March 21	2015 April 3	2015 April 17	2015 April 30	27 days	27 days
24	Draft project safety plan	14 days	2015 March 24	2015 April 6	2015 April 17	2015 April 30	24 days	24 days
25	Environmental Management Plan	14 days	2015 March 28	2015 April 10	2015 April 18	2015 May 1	21 days	21 days
26	Subcontractor Management Plan	14 days	2015 March 28	2015 April 10	2015 April 14	2015 April 14	4 days	4 days
27	Initial survey to DZC(2) and (3) and area 1,2 and 3	30 days	2015 April 6	2015 May 5	2015 April 7	2015 May 6	1 day	1 day
28	Condition survey report for ER accommodation	14 days	2015 March 21	2015 April 3	2015 March 21	2015 April 3	0 days	0 days
29	Application Working Permit	89 days	2015 March 23	2015 June 19	2015 April 3	2015 September 21	11 days	11 days
30	Application of MDN	28 days	2015 March 23	2015 April 19	2015 April 3	2015 April 30	11 days	11 days
31	Application of CNP	21 days	2015 March 23	2015 April 12	2015 April 10	2015 April 30	18 days	18 days
32	Application of marine dumping permits for sediment disposal	21 days	2015 March 23	2015 April 12	2015 April 10	2015 April 30	18 days	18 days
33	Application of dumping permit to TM38	21 days	2015 April 17	2015 May 7	2015 September 1	2015 September 21	86 days	137 days
34	Application of alt. disposal ground when necessary	64 days	2015 April 17	2015 June 19	2015 July 13	2015 September 14	36 days	87 days
35	Preparation	59 days	2015 March 16	2015 May 13	2015 March 16	2015 August 19	0 days	0 days
36	Material procurement	30 days	2015 March 16	2015 April 14	2015 March 16	2015 April 14	0 days	0 days
37	Fabrication of silt curtains (both floating & frame types) & silt screen	16 days	2015 April 15	2015 April 30	2015 April 15	2015 April 30	0 days	0 days
38	Interface liaison meeting with MD, HKCG regarding A38 buoy and the lived gas main	21 days	2015 April 23	2015 May 13	2015 July 30	2015 August 19	98 days	98 days
39	Installation of silt screens at water intakes	3 days	2015 April 25	2015 April 27	2015 April 25	2015 April 27	0 days	0 days
40	Section 1	260 days	2015 March 16	2015 November 30	2015 March 16	2015 November 30	0 days	0 days
41	Site Works at DZC(2)	227 days	2015 April 18	2015 November 30	2015 April 18	2015 November 30	0 days	0 days
42	Dredging works	227 days	2015 April 18	2015 November 30	2015 April 18	2015 November 30	0 days	0 days
43	Mobilization plant & equipment on site	1 day	2015 May 1	2015 May 1	2015 May 1	2015 May 1	0 days	0 days
44	Installation of floating silt curtain	1 day	2015 May 2	2015 May 2	2015 May 2	2015 May 2	0 days	0 days
45	Maintenance / Inspection silt curtains & silt screens during the course of works	212 days	2015 May 3	2015 November 30	2015 May 3	2015 November 30	0 days	0 days
46	set up the water surveillance monitoring for pilot test	1 day	2015 May 3	2015 May 3	2015 May 3	2015 May 3	0 days	0 days
47	Pilot test and review the set up	3 days	2015 May 4	2015 May 6	2015 May 4	2015 May 6	0 days	0 days
48	Dredging operation at DZC(2) to remove the sediment type 1 & 2 (est. 110,000m3 approx.)	65 days	2015 May 7	2015 July 10	2015 May 7	2015 July 10	0 days	0 days
49	Further dredging operation (type 1 sediment) at DZC(2) to the specified -12.15mPD (est. 200,000 m3 approx.)	93 days	2015 May 17	2015 August 17	2015 May 17	2015 August 17	0 days	0 days
50	continuous to carry out dredging operation at DZC(2) upon the completion of dredging at fairway part	14 days	2015 October 11	2015 October 24	2015 October 11	2015 October 24	0 days	0 days
51	Trimming	30 days	2015 October 25	2015 November 23	2015 October 25	2015 November 23	0 days	0 days
52	Environmental Issues	227 days	2015 April 18	2015 November 30	2015 April 18	2015 November 30	0 days	0 days
53	Review previous WQM data and recommend Action & Limited Level by ET	6 days	2015 April 18	2015 April 23	2015 April 18	2015 April 23	0 days	0 days
54	Submit WQM schedule for EPD acceptance in 1 week advance before starting monitoring	1 day	2015 April 24	2015 April 24	2015 April 24	2015 April 24	0 days	0 days
55	Carry out Impact WQM & water surveillance system during the course of site works	214 days	2015 May 1	2015 November 30	2015 May 1	2015 November 30	0 days	0 days
56	Conduct routine environmental audit	214 days	2015 May 1	2015 November 30	2015 May 1	2015 November 30	0 days	0 days
57	Conduct refuse collection at the enclosed area by silt screens	217 days	2015 April 28	2015 November 30	2015 April 28	2015 November 30	0 days	0 days
58	Safety	214 days	2015 May 1	2015 November 30	2015 May 1	2015 November 30	0 days	0 days
59	Conduct routine safety inspection & training	214 days	2015 May 1	2015 November 30	2015 May 1	2015 November 30	0 days	0 days

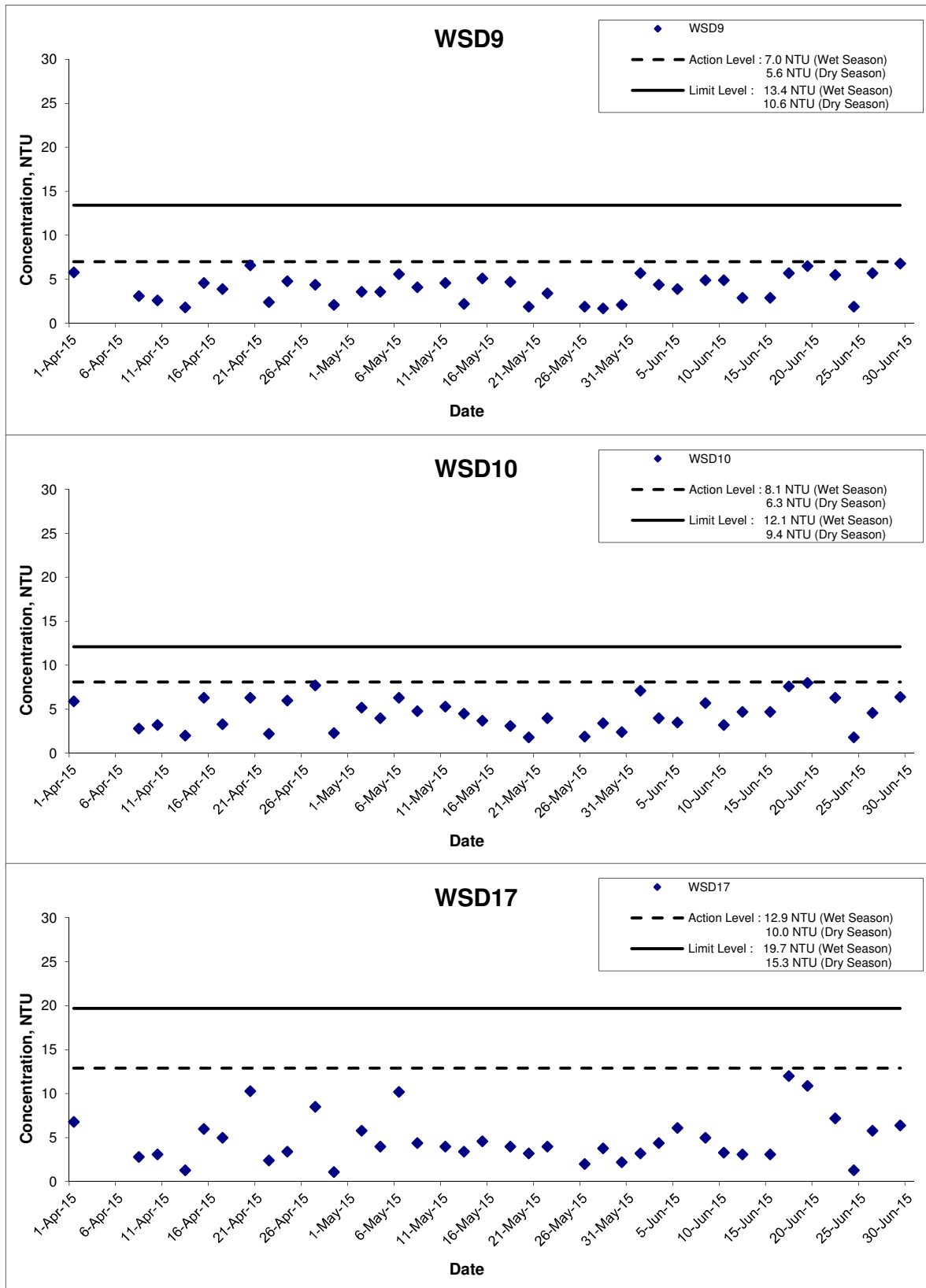


New ID	Task Name	Duration	Early Start	Early Finish	Late Start	Late Finish	Free Slack	Total Slack
60	Survey	178 days	2015 June 6	2015 November 30	2015 June 20	2015 November 30	0 days	0 days
61	Conduct interim survey for seabed profile at monthly interval if necessary	157 days	2015 June 6	2015 November 9	2015 June 20	2015 November 23	14 days	14 days
62	Conduct final survey	7 days	2015 November 24	2015 November 30	2015 November 24	2015 November 30	0 days	0 days
63	Treatment of C&D material	209 days	2015 March 16	2015 October 10	2015 March 16	2015 November 30	0 days	0 days
64	Collection of C&D material from portion 7 & K2 to area 2 for temporary storage	60 days	2015 March 16	2015 May 14	2015 March 16	2015 May 14	0 days	0 days
65	Construction of weight bridge at the area 2 and WA1b	21 days	2015 May 5	2015 May 25	2015 September 1	2015 September 21	68 days	119 days
66	Sorting and separating of the C&D materials at the area 2	108 days	2015 April 15	2015 July 31	2015 June 5	2015 September 20	0 days	51 days
67	Cleaning and breaking of the C&D materials into 250mm down at the area 2, for disposal to TM38	130 days	2015 April 22	2015 August 29	2015 June 12	2015 October 19	0 days	51 days
68	Transportation of sorted and broken C&D material from area 2 by dump trucks (quantity by weight bridge) to WA1b for disposal to TM38	55 days	2015 July 26	2015 September 18	2015 September 15	2015 November 8	0 days	51 days
69	Delivery of processed C&D material (250mm down) from the area WA1b (quantity by weight bridge) to TM38 for disposal by derrick lighter	70 days	2015 August 2	2015 October 10	2015 September 22	2015 November 30	51 days	51 days
70	Section 2	365 days	2015 March 16	2016 March 14	2015 March 16	2016 March 14	0 days	0 days
71	Site Works at DZC(3)	210 days	2015 August 18	2016 March 14	2015 August 18	2016 March 14	0 days	0 days
72	Fairway Part	54 days	2015 August 18	2015 October 10	2015 August 18	2015 October 10	0 days	0 days
73	Mobilization plant & equipment on site	1 day	2015 August 18	2015 August 18	2015 August 18	2015 August 18	0 days	0 days
74	Installation floating silt curtain	1 day	2015 August 19	2015 August 19	2015 August 19	2015 August 19	0 days	0 days
75	Maintenance / Inspection silt curtains & silt screens during the course of works	53 days	2015 August 19	2015 October 10	2015 August 19	2015 October 10	0 days	0 days
76	Dredging operation to remove the sediment	52 days	2015 August 20	2015 October 10	2015 August 20	2015 October 10	0 days	0 days
77	Remaining Area	210 days	2015 August 18	2016 March 14	2015 August 18	2016 March 14	0 days	0 days
78	Mobilization plant & equipment on site	1 day	2015 November 24	2015 November 24	2015 November 24	2015 November 24	0 days	0 days
79	Installation floating silt curtain	1 day	2015 November 25	2015 November 25	2015 November 25	2015 November 25	0 days	0 days
80	Maintenance / Inspection silt curtains & silt screens during the course of works	90 days	2015 November 25	2016 February 22	2015 December 16	2016 March 14	21 days	21 days
81	Dredging operation to remove the sediment type 1 & 2 (est. 70,000m3)	25 days	2015 November 26	2015 December 20	2015 November 26	2015 December 20	0 days	0 days
82	Further dredging operation (type 1 sediment) to the specified -12.15mPD (est. 130,000m3 approx.)	50 days	2015 December 21	2016 February 8	2015 December 21	2016 February 8	0 days	0 days
83	Trimming	14 days	2016 February 9	2016 February 22	2016 February 9	2016 February 22	0 days	0 days
84	Environmental Issues	210 days	2015 August 18	2016 March 14	2015 August 18	2016 March 14	0 days	0 days
85	Carry out Impact WQM and water surveillance system during the course of site works	189 days	2015 August 18	2016 February 22	2015 August 18	2016 February 22	0 days	0 days
86	Post-project WQM after completion of dredging works at DZC(2 & 3)	14 days	2016 March 1	2016 March 14	2016 March 1	2016 March 14	0 days	0 days
87	Conduct routine environmental audit	105 days	2015 December 1	2016 March 14	2015 December 1	2016 March 14	0 days	0 days
88	Conduct refuse collection at the enclosed area by silt screens	105 days	2015 December 1	2016 March 14	2015 December 1	2016 March 14	0 days	0 days
89	Safety	105 days	2015 December 1	2016 March 14	2015 December 1	2016 March 14	0 days	0 days
90	Conduct routine safety inspection & training	105 days	2015 December 1	2016 March 14	2015 December 1	2016 March 14	0 days	0 days
91	Survey	164 days	2015 September 19	2016 February 29	2015 September 19	2016 February 29	0 days	0 days
92	Conduct interim survey for seabed profile at monthly interval if necessary	157 days	2015 September 19	2016 February 22	2015 September 19	2016 February 22	0 days	0 days
93	Conduct final survey	7 days	2016 February 23	2016 February 29	2016 February 23	2016 February 29	0 days	0 days
94	Road access management	365 days	2015 March 16	2016 March 14	2015 March 16	2016 March 14	0 days	0 days
95	Installation of hoarding, fencing and gate for UK1 and UK2	30 days	2015 March 16	2015 April 14	2015 March 16	2015 April 14	0 days	0 days
96	Taking over, provision, modification, management, maintenance and handing over of accesses including use of such accesses by others	365 days	2015 March 16	2016 March 14	2015 March 16	2016 March 14	0 days	0 days



**APPENDIX B
GRAPHICAL PRESENTATION OF
WATER QUALITY MONITORING
RESULTS**

Turbidity at Mid-Ebb Tide



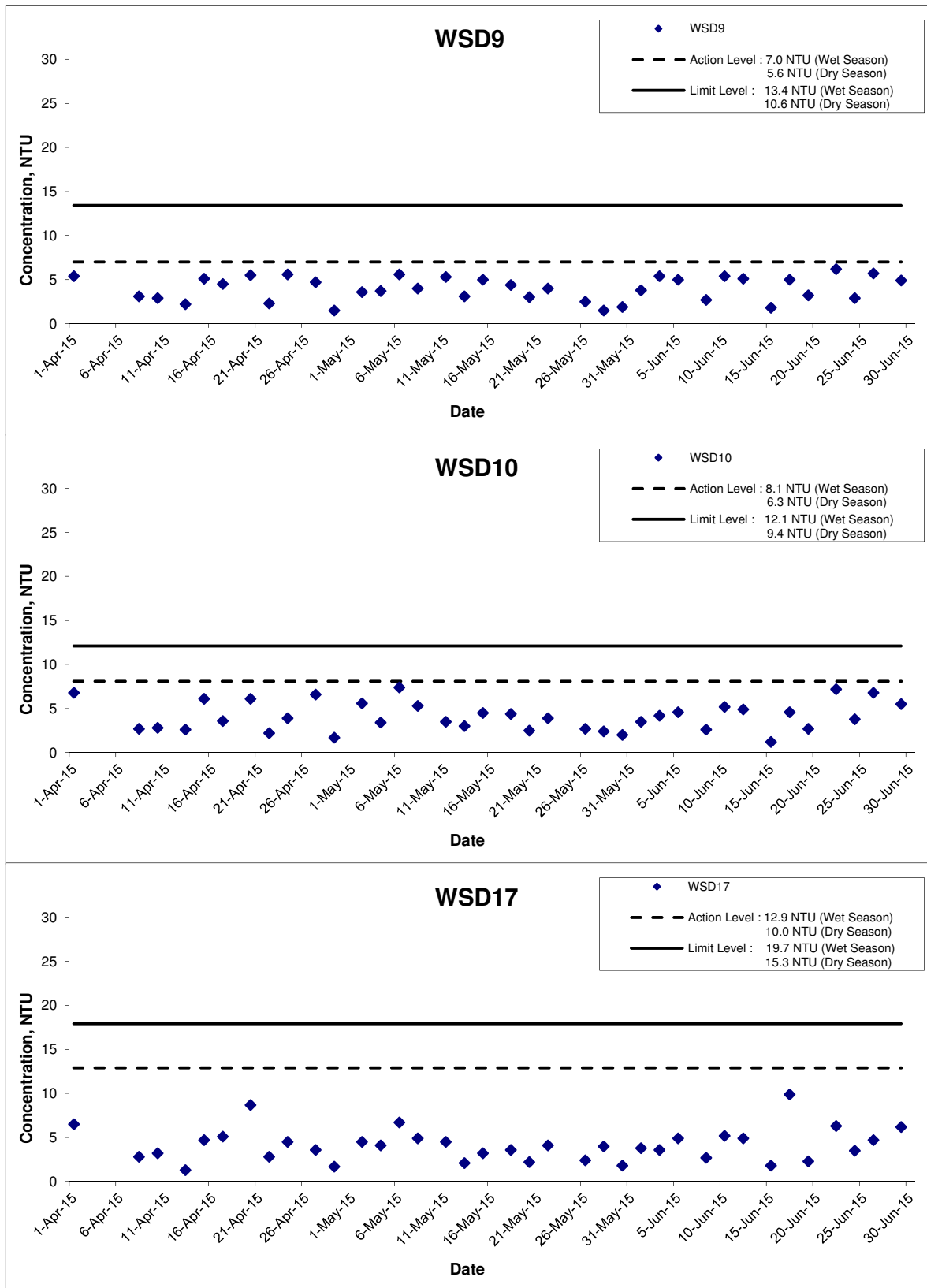
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 Site Formation For Kai Tak Cruise Terminal Development -
 Remaining Works
 Graphical Presentation of Water Quality Monitoring
 Results

Scale N.T.S
 Date Jun 15

Project No. MA15011
 Appendix B



Turbidity at Mid-Flood Tide



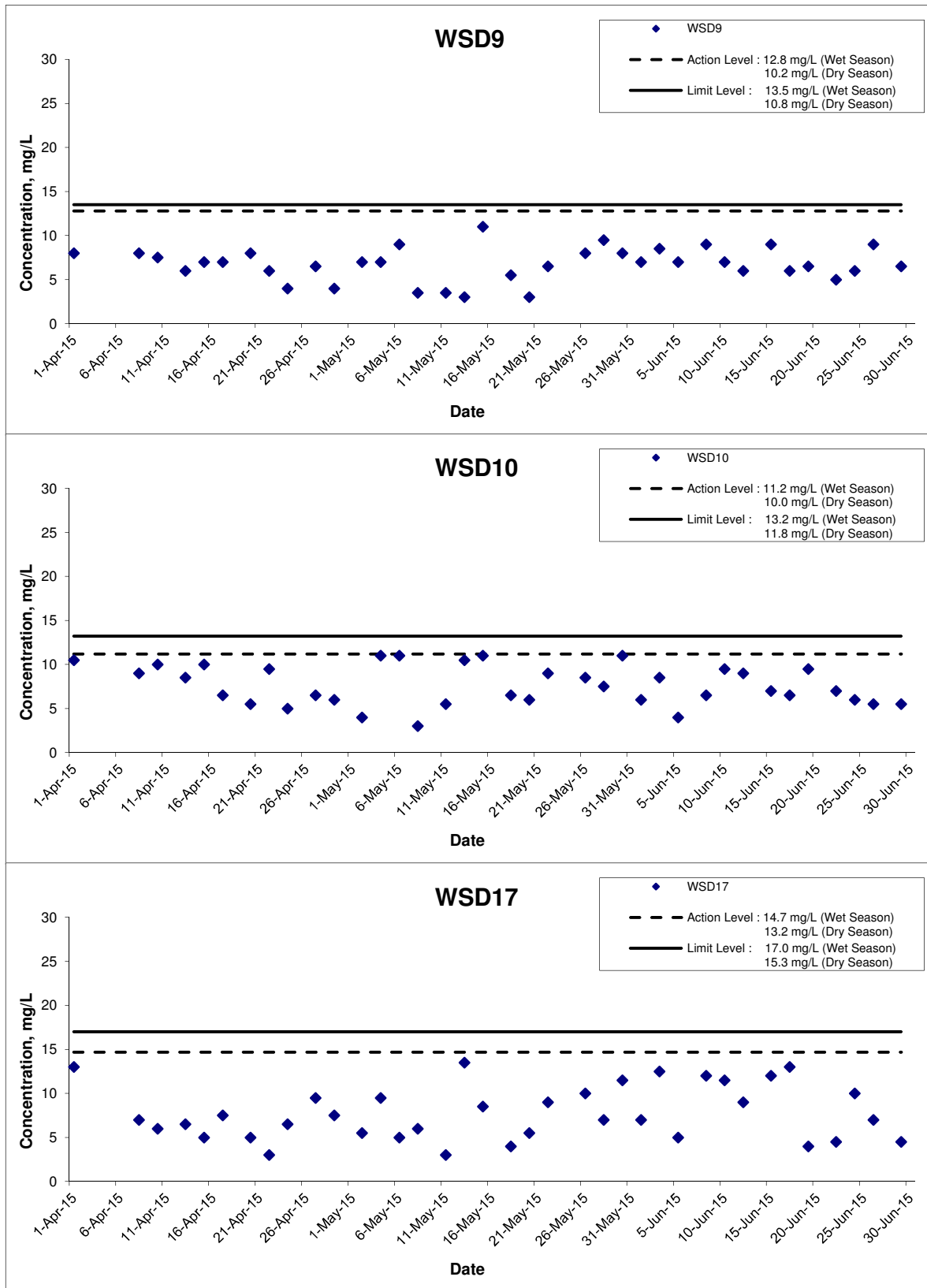
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 Site Formation For Kai Tak Cruise Terminal Development -
 Remaining Works
 Graphical Presentation of Water Quality Monitoring
 Results

Scale N.T.S
 Date Jun 15

Project No. MA15011
 Appendix B



Suspended Solids at Mid-Ebb Tide



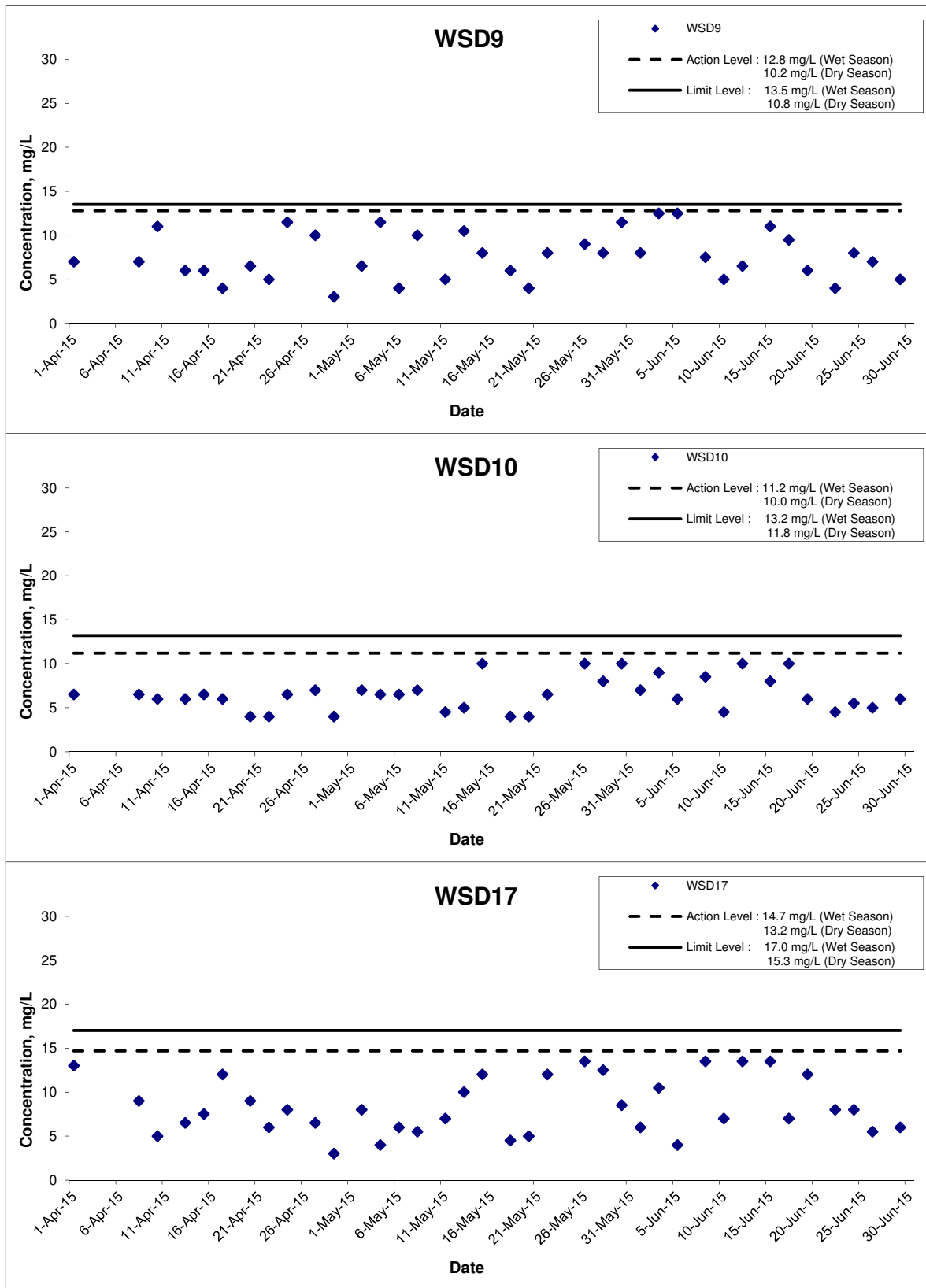
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 Site Formation For Kai Tak Cruise Terminal Development -
 Remaining Works
 Graphical Presentation of Water Quality Monitoring
 Results

Scale N.T.S
 Date Jun 15

Project No. MA15011
 Appendix B



Suspended Solids at Mid-Flood Tide



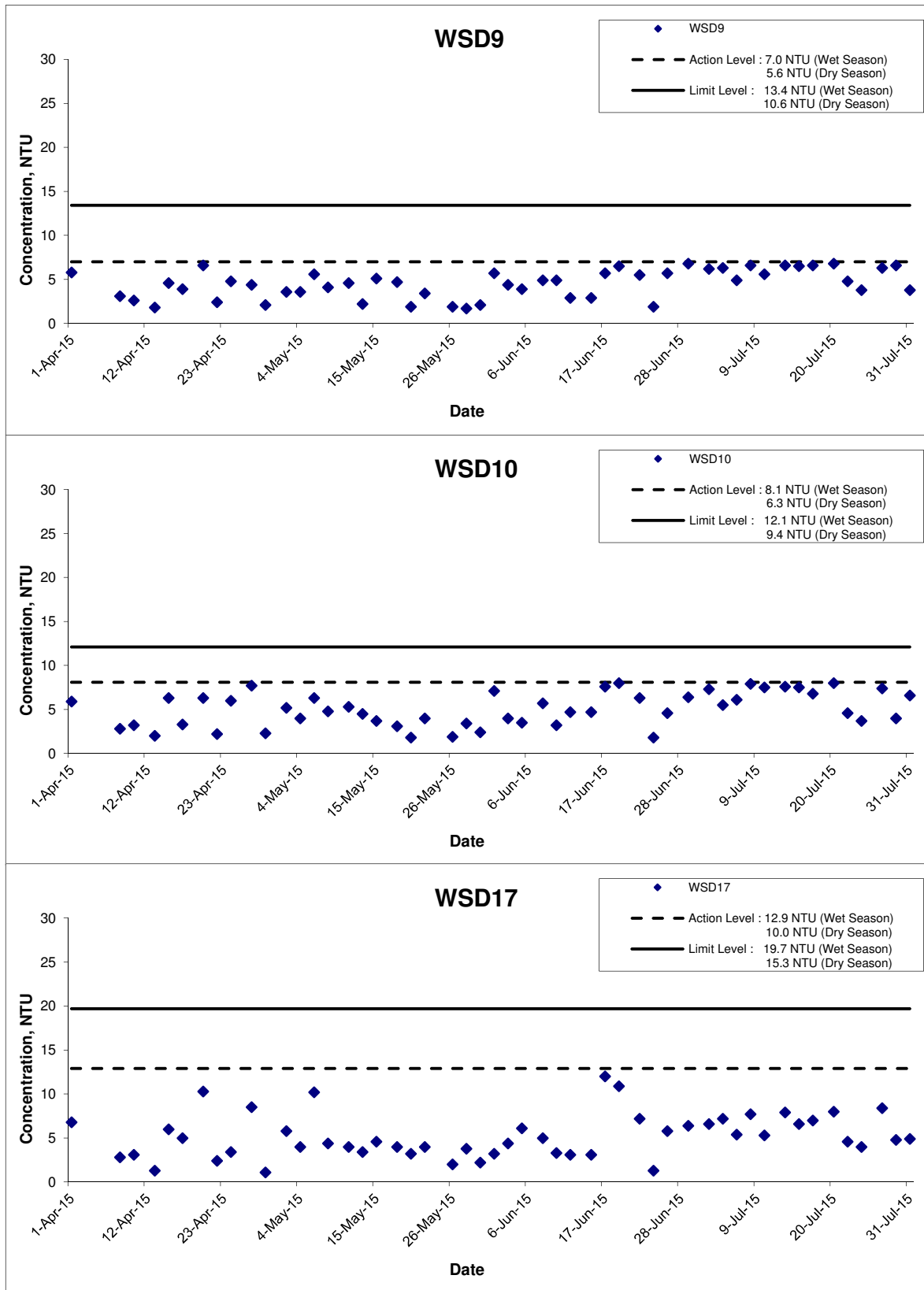
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 Site Formation For Kai Tak Cruise Terminal Development -
 Remaining Works
 Graphical Presentation of Water Quality Monitoring
 Results

Scale N.T.S
 Date Jun 15

Project No. MA15011
 Appendix B



Turbidity at Mid-Ebb Tide



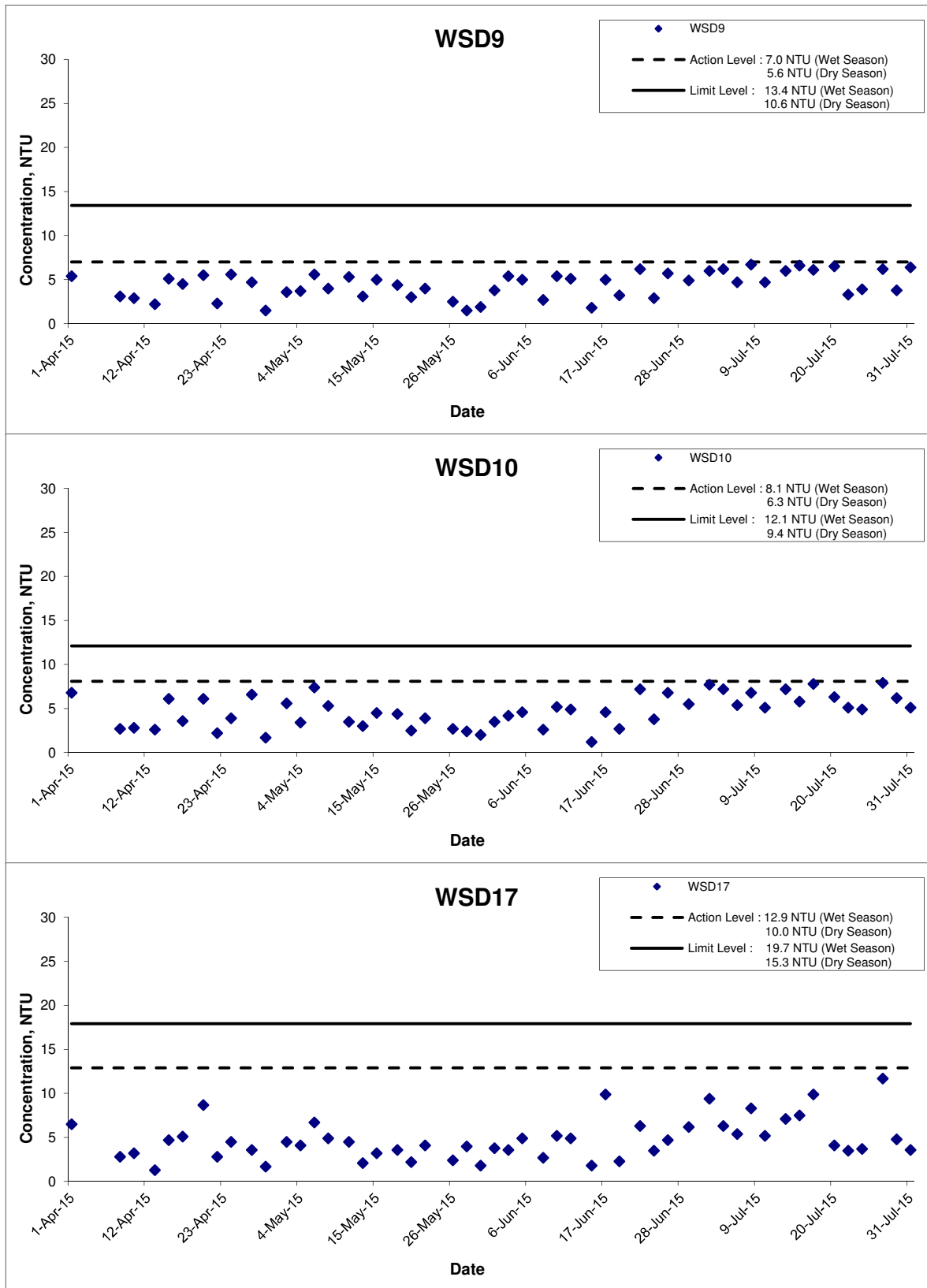
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 Site Formation For Kai Tak Cruise Terminal Development -
 Remaining Works
 Graphical Presentation of Water Quality Monitoring
 Results

Scale
 N.T.S
 Date
 Jul 15

Project
 No. MA15011
 Appendix
 B



Turbidity at Mid-Flood Tide



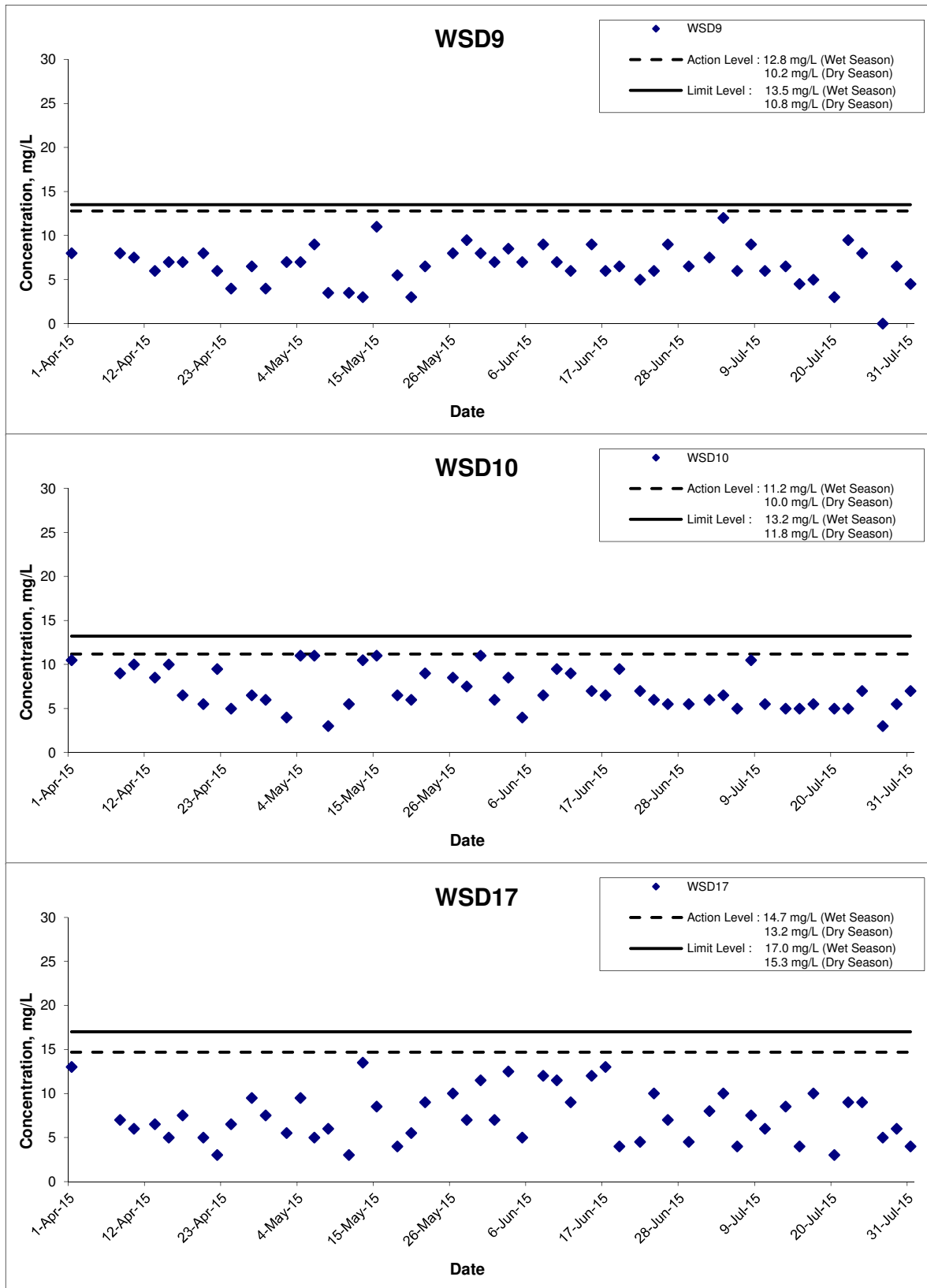
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 Site Formation For Kai Tak Cruise Terminal Development -
 Remaining Works
 Graphical Presentation of Water Quality Monitoring
 Results

Scale
 N.T.S
 Date
 Jul 15

Project
 No. MA15011
 Appendix
 B



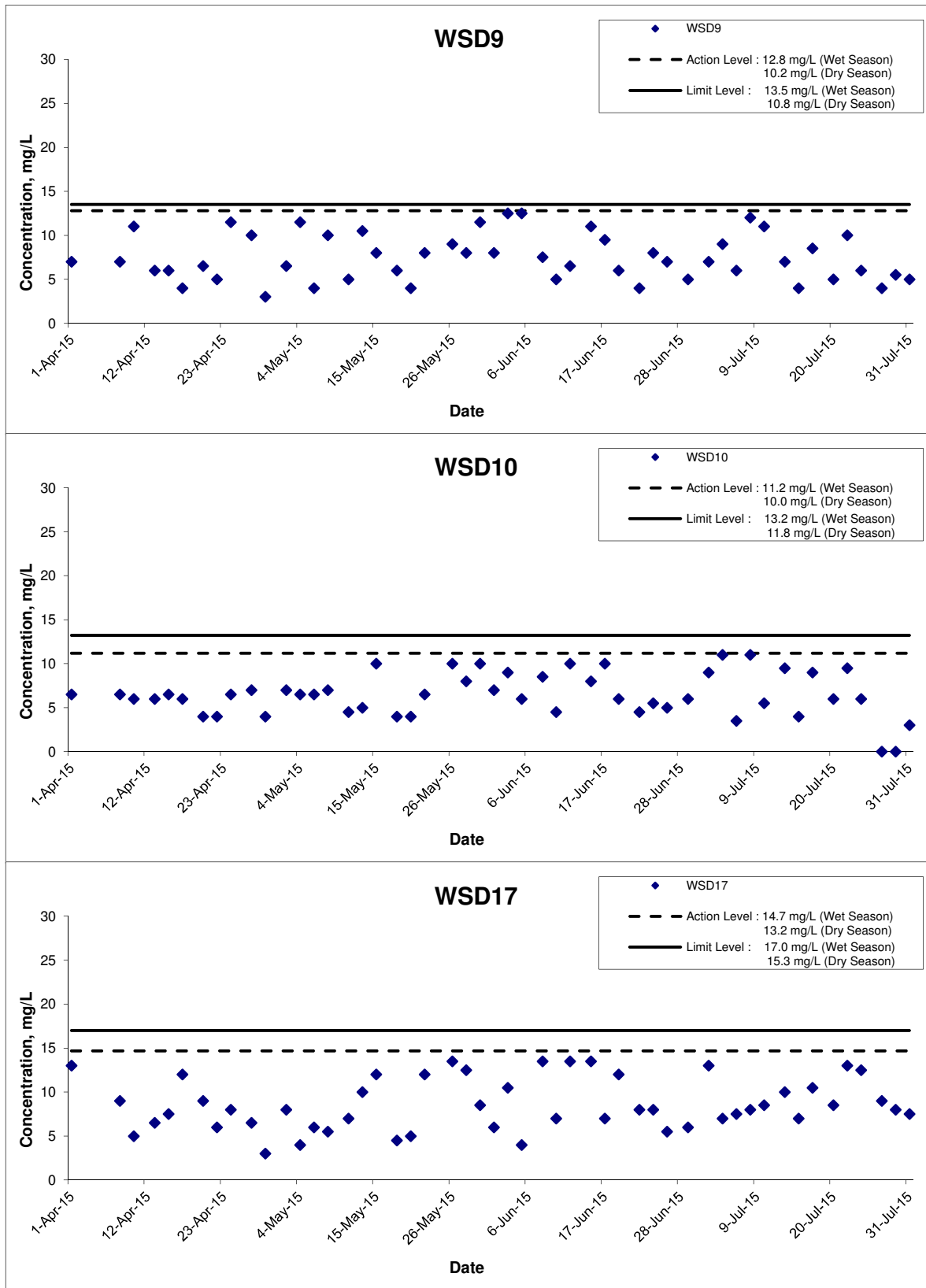
Suspended Solids at Mid-Ebb Tide



The graphical point at zero concentration is presented as <2.5 mg/L

Title Contract No. KL/2013/01 - Site Formation For Kai Tak Cruise Terminal Development - Remaining Works Graphical Presentation of Water Quality Monitoring Results	Scale	N.T.S	Project No. MA15011	
	Date	Jul 15	Appendix B	

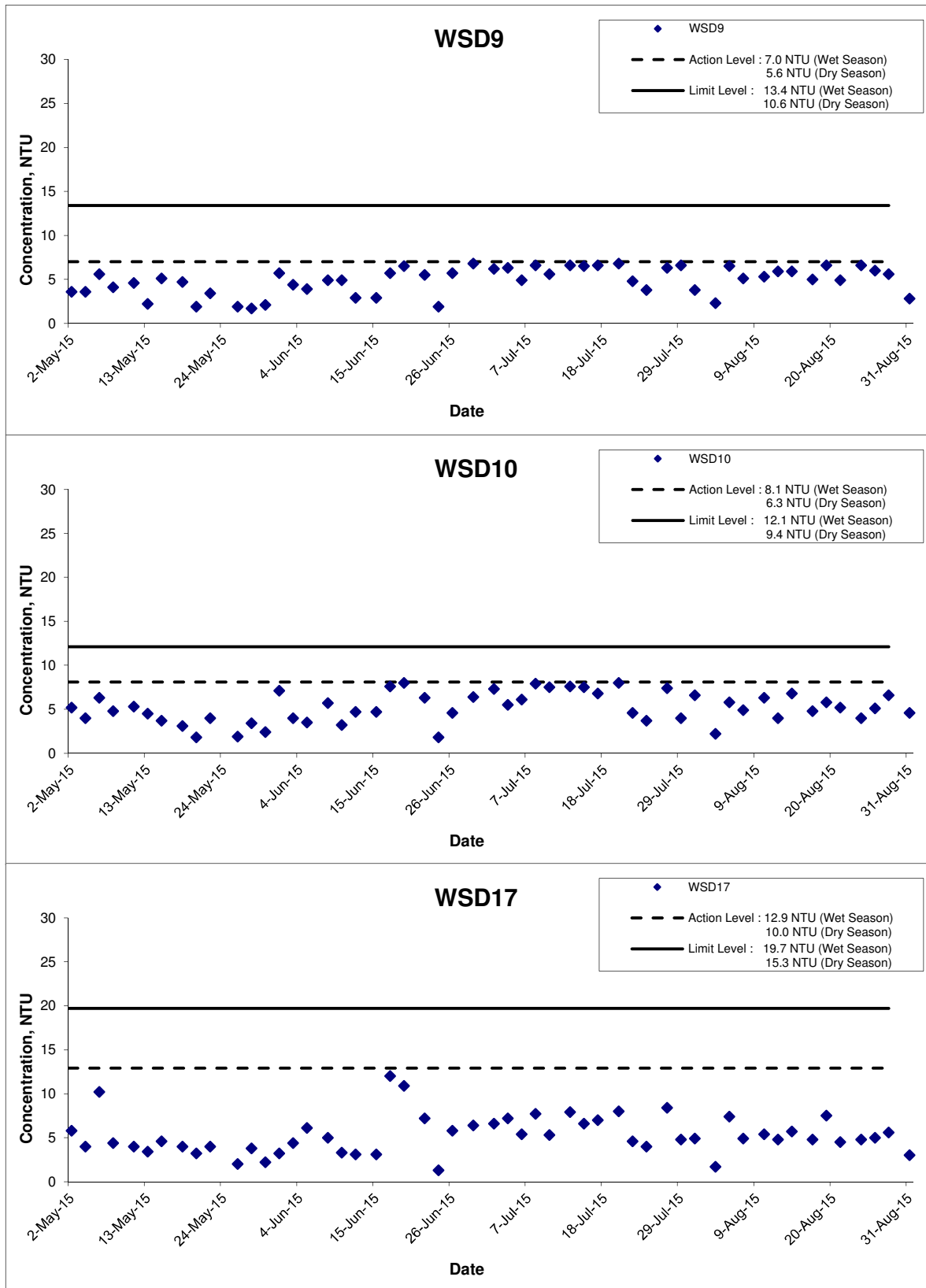
Suspended Solids at Mid-Flood Tide



The graphical point at zero concentration is presented as <2.5 mg/L

Title Contract No. KL/2013/01 - Site Formation For Kai Tak Cruise Terminal Development - Remaining Works Graphical Presentation of Water Quality Monitoring Results	Scale	N.T.S	Project No. MA15011	
	Date	Jul 15	Appendix B	

Turbidity at Mid-Ebb Tide



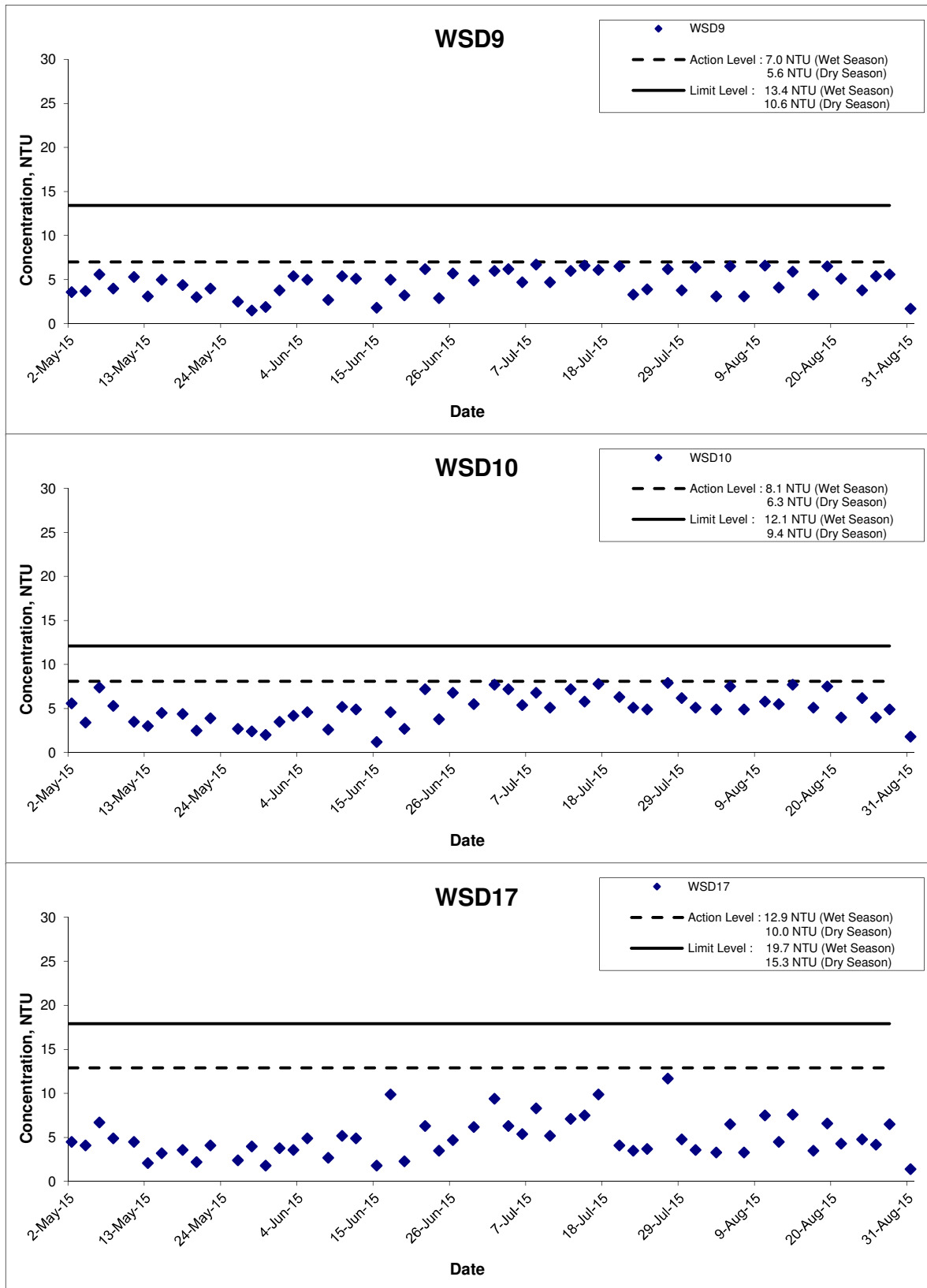
Title
 Contract No. KL/2013/01 -
 Site Formation For Kai Tak Cruise Terminal Development -
 Remaining Works
 Graphical Presentation of Water Quality Monitoring
 Results

Scale
 N.T.S
 Date
 Aug 15

Project
 No. MA15011
 Appendix
 B



Turbidity at Mid-Flood Tide



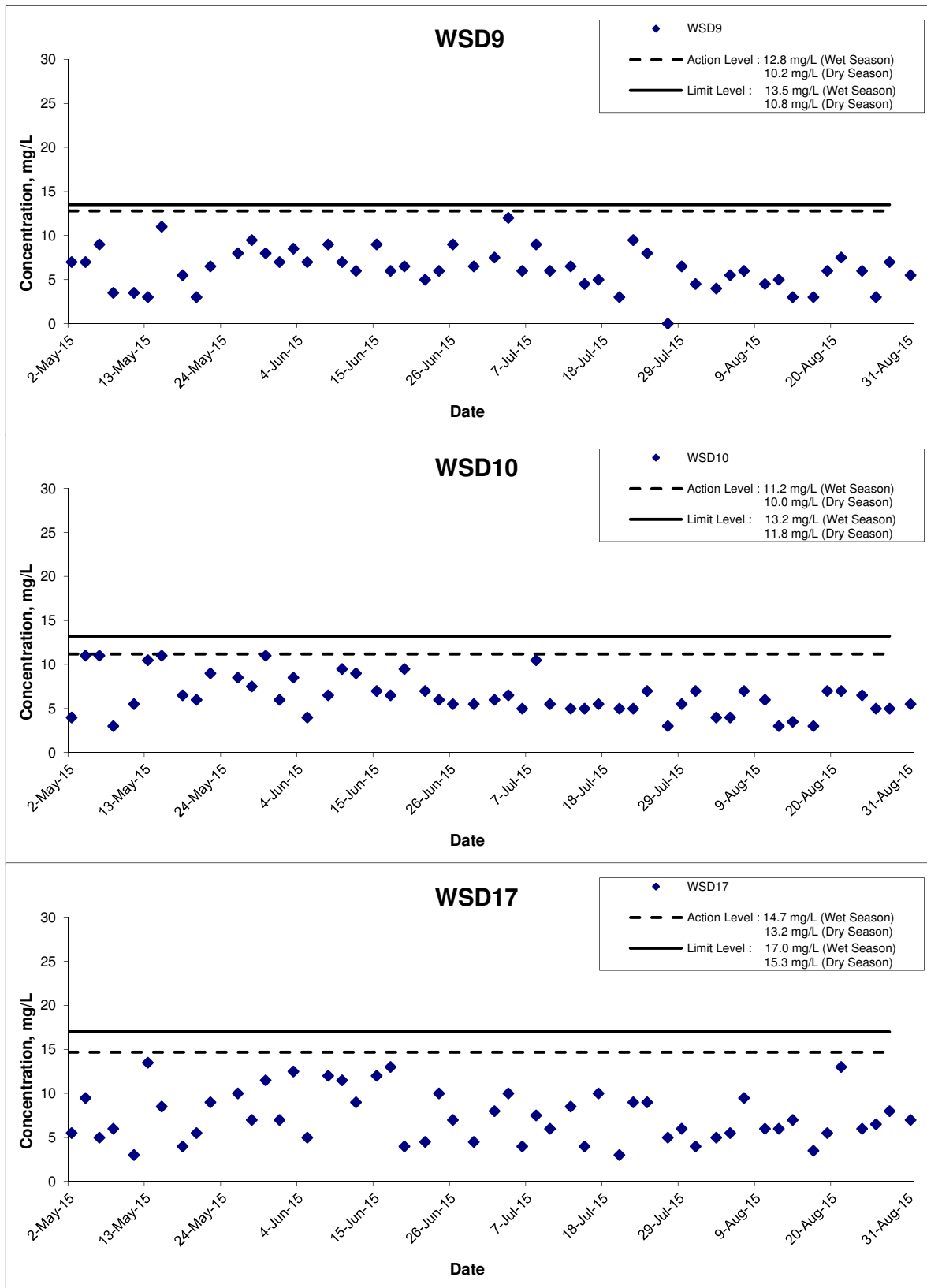
Title Contract No. KL/2013/01 -
 Site Formation For Kai Tak Cruise Terminal Development -
 Remaining Works
 Graphical Presentation of Water Quality Monitoring
 Results

Scale N.T.S
 Date Aug 15

Project No. MA15011
 Appendix B



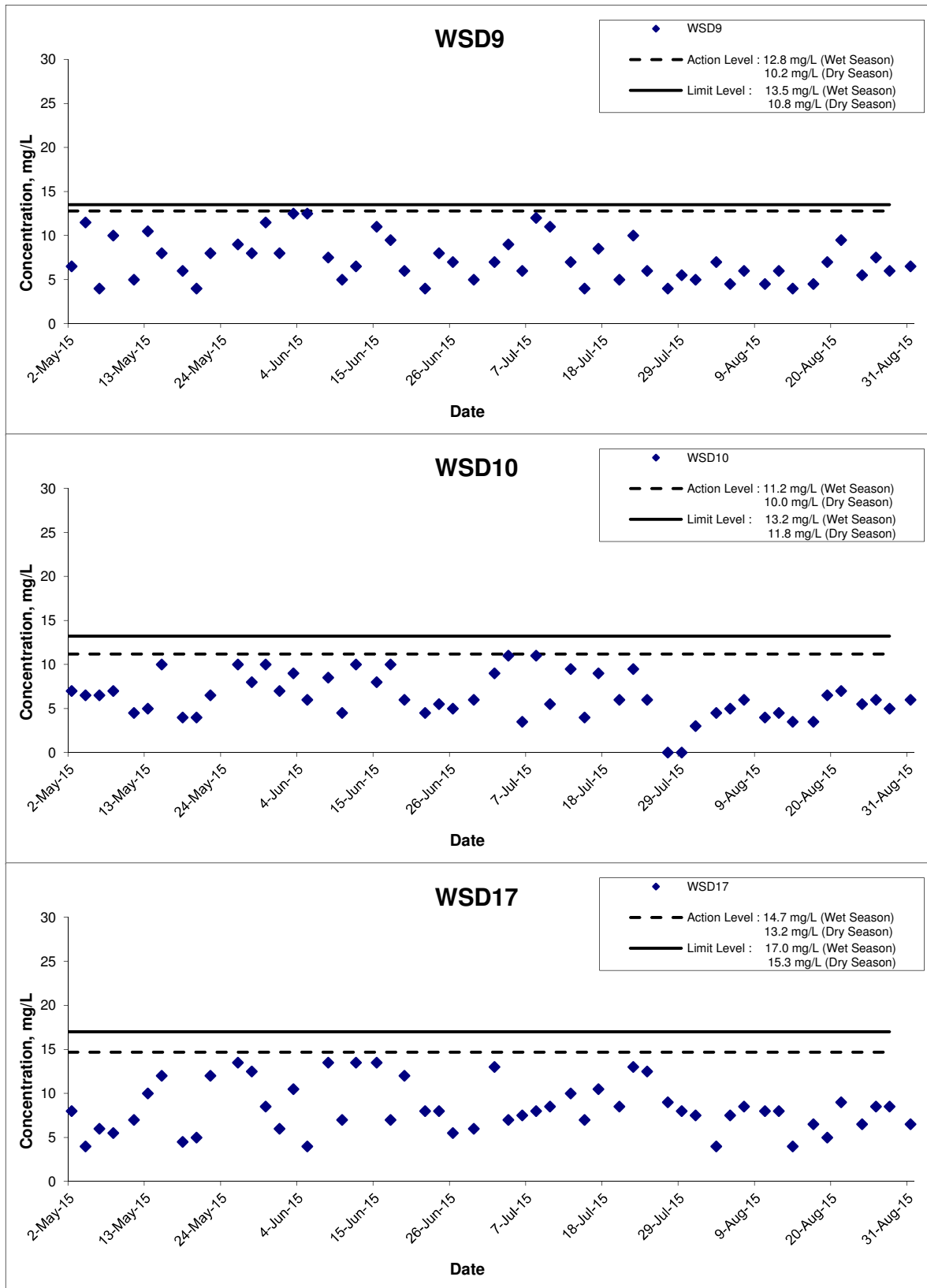
Suspended Solids at Mid-Ebb Tide



The graphical point at zero concentration is presented as <math><2.5\text{ mg/L}</math>

Title Contract No. KL/2013/01 - Site Formation For Kai Tak Cruise Terminal Development - Remaining Works Graphical Presentation of Water Quality Monitoring Results	Scale	N.T.S	Project No. MA15011	
	Date	Aug 15	Appendix B	

Suspended Solids at Mid-Flood Tide



The graphical point at zero concentration is presented as <2.5 mg/L

Title Contract No. KL/2013/01 - Site Formation For Kai Tak Cruise Terminal Development - Remaining Works Graphical Presentation of Water Quality Monitoring Results	Scale	N.T.S	Project No. MA15011	
	Date	Aug 15	Appendix B	

**APPENDIX C
WATER QUALITY MONITORING
RESULTS OF WATER QUALITY
SURVEILLANCE SYSTEM**

Contract No. KL/2013/01

**Site Formation For Kai Tak Cruise Terminal Development - Remaining Works
(Water Quality Surveillance System)**

Water Quality Monitoring Results on 10 June, 2015 (Flood Tide)

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Turbidity(NTU)			Suspended Solids (mg/L)		
						Value	Average	DA*	Value	Average	DA*
A1	Sunny	Moderate	14:57	Surface	1	9.7 10.0	9.9	19.4	6 6	6.0	6.5
				Middle	7	22.8 22.9	22.9		8 9	8.5	
				Bottom	13	24.9 25.6	25.3		5 5	5.0	
A2	Sunny	Moderate	15:08	Surface	1	7.9 7.8	7.9	14.3	6 5	5.5	6.7
				Middle	5.5	13.9 13.4	13.7		8 8	8.0	
				Bottom	10	21.3 21.4	21.4		7 6	6.5	
A3	Sunny	Moderate	15:15	Surface	1	9.8 9.7	9.8	14.9	6 7	6.5	6.0
				Middle	6.5	10.7 10.0	10.4		7 6	6.5	
				Bottom	12	24.3 24.9	24.6		5 5	5.0	
A4	Sunny	Moderate	15:23	Surface	1	8.9 9.7	9.3	13.8	6 7	6.5	8.3
				Middle	6.5	13.0 13.4	13.2		9 10	9.5	
				Bottom	12	19.0 18.6	18.8		9 9	9.0	
B1	Sunny	Moderate	14:27	Surface	1	20.9 20.1	20.5	29.3	9 10	9.5	8.7
				Middle	6	25.6 25.5	25.6		8 8	8.0	
				Bottom	11	41.2 42.3	41.8		8 9	8.5	
B2	Sunny	Moderate	14:34	Surface	1	11.1 11.6	11.4	19.5	5 5	5.0	5.8
				Middle	6	16.0 15.6	15.8		4 5	4.5	
				Bottom	11	31.1 31.4	31.3		8 8	8.0	
B3	Sunny	Moderate	14:42	Surface	1	9.4 9.7	9.6	20.9	6 6	6.0	8.2
				Middle	6.5	25.4 25.1	25.3		7 6	6.5	
				Bottom	12	27.6 28.1	27.9		12 12	12.0	
B4	Sunny	Moderate	14:50	Surface	1	10.9 10.7	10.8	20.8	8 8	8.0	6.2
				Middle	7	24.5 24.1	24.3		6 5	5.5	
				Bottom	13	27.0 27.4	27.2		5 5	5.0	
C1	Sunny	Moderate	13:50	Surface	1	20.9 20.8	20.9	35.0	8 8	8.0	7.8
				Middle	6.5	40.0 39.8	39.9		8 8	8.0	
				Bottom	12	44.2 44.0	44.1		8 7	7.5	
C2	Sunny	Moderate	13:59	Surface	1	21.0 20.4	20.7	35.1	7 8	7.5	8.2
				Middle	6	33.3 33.2	33.3		6 7	6.5	
				Bottom	11	51.5 50.8	51.2		11 10	10.5	
C3	Sunny	Moderate	14:15	Surface	1	17.6 17.6	17.6	24.4	7 7	7.0	9.3
				Middle	6.5	26.9 26.8	26.9		10 10	10.0	
				Bottom	12	28.5 29.1	28.8		11 11	11.0	
C5	Sunny	Moderate	13:38	Surface	1	31.2 31.3	31.3	37.3	24 24	24.0	20.3
				Middle	5.5	39.2 39.3	39.3		9 9	9.0	
				Bottom	10	41.0 41.3	41.2		28 28	28.0	

Remarks: *DA: Depth-Averaged

**Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Contract No. KL/2013/01

**Site Formation For Kai Tak Cruise Terminal Development - Remaining Works
(Water Quality Surveillance System)**

Water Quality Monitoring Results on 22 June, 2015 (Ebb Tide)

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Turbidity(NTU)			Suspended Solids (mg/L)		
						Value	Average	DA*	Value	Average	DA*
A1	Cloudy	Moderate	13:48	Surface	1	2.1 2.1	2.1	2.2	4 4	4.0	4.0
				Middle	4	2.1 2.2	2.2		4 4	4.0	
				Bottom	7	2.2 2.2	2.2		4 4	4.0	
A2	Cloudy	Moderate	13:56	Surface	1	2.2 2.1	2.2	2.2	8 7	7.5	7.3
				Middle	4	2.2 2.1	2.2		6 6	6.0	
				Bottom	7	2.2 2.1	2.2		8 9	8.5	
A3	Cloudy	Moderate	14:05	Surface	1	2.2 2.1	2.2	2.2	5 5	5.0	6.8
				Middle	3.5	2.1 2.1	2.1		8 7	7.5	
				Bottom	6	2.3 2.3	2.3		8 8	8.0	
A4	Cloudy	Moderate	14:13	Surface	1	2.1 2.1	2.1	2.1	9 9	9.0	7.2
				Middle	4	2.1 2.1	2.1		5 5	5.0	
				Bottom	7	2.1 2.3	2.2		7 8	7.5	
B1	Cloudy	Moderate	13:21	Surface	1	2.1 2.1	2.1	2.6	4 5	4.5	8.5
				Middle	4.5	2.1 2.0	2.1		4 4	4.0	
				Bottom	8	3.6 3.7	3.7		17 17	17.0	
B2	Cloudy	Moderate	13:30	Surface	1	2.0 2.0	2.0	2.7	9 9	9.0	6.7
				Middle	4.5	2.0 2.0	2.0		5 5	5.0	
				Bottom	8	4.1 3.9	4.0		6 6	6.0	
B3	Cloudy	Moderate	13:36	Surface	1	3.8 3.7	3.8	3.8	5 5	5.0	9.3
				Middle	4.5	4.0 3.8	3.9		19 19	19.0	
				Bottom	8	3.6 3.7	3.7		4 4	4.0	
B4	Cloudy	Moderate	13:42	Surface	1	2.3 2.3	2.3	2.4	9 10	9.5	6.8
				Middle	4	2.4 2.4	2.4		5 5	5.0	
				Bottom	7	2.4 2.4	2.4		6 6	6.0	
C1	Cloudy	Moderate	12:55	Surface	1	2.1 2.1	2.1	3.4	6 6	6.0	5.3
				Middle	4.5	2.3 2.2	2.3		6 6	6.0	
				Bottom	8	5.6 5.9	5.8		4 4	4.0	
C2	Cloudy	Moderate	13:04	Surface	1	2.0 2.0	2.0	3.6	5 6	5.5	5.8
				Middle	4.5	2.1 2.1	2.1		8 8	8.0	
				Bottom	8	6.7 6.5	6.6		4 4	4.0	
C3	Cloudy	Moderate	13:12	Surface	1	3.5 3.4	3.5	3.1	3 3	3.0	6.8
				Middle	3.5	2.4 2.3	2.4		8 9	8.5	
				Bottom	6	3.6 3.4	3.5		9 9	9.0	
C5	Cloudy	Moderate	12:47	Surface	1	3.1 3.2	3.2	3.6	5 5	5.0	10.8
				Middle	4.5	2.3 2.3	2.3		6 7	6.5	
				Bottom	8	5.1 5.2	5.2		21 21	21.0	

Remarks: *DA: Depth-Averaged

**Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Contract No. KL/2013/01

**Site Formation For Kai Tak Cruise Terminal Development - Remaining Works
(Water Quality Surveillance System)**

Water Quality Monitoring Results on 8 July, 2015 (Ebb Tide)

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Turbidity(NTU)			Suspended Solids (mg/L)		
						Value	Average	DA*	Value	Average	DA*
A1	Sunny	Moderate	15:07	Surface	1	6.3 6.2	6.3	10.0	9 9	9.0	11.7
				Middle	7	10.6 10.6	10.6		10 10	10.0	
				Bottom	13	13.2 12.7	13.0		16 16	16.0	
A2	Sunny	Moderate	15:15	Surface	1	13.2 13.6	13.4	17.8	11 11	11.0	10.2
				Middle	6.5	16.0 15.8	15.9		10 9	9.5	
				Bottom	12	24.1 23.8	24.0		10 10	10.0	
A3	Sunny	Moderate	15:21	Surface	1	13.5 13.7	13.6	15.9	14 14	14.0	8.8
				Middle	5.5	18.4 18.8	18.6		6 5	5.5	
				Bottom	10	15.1 15.7	15.4		7 7	7.0	
A4	Sunny	Moderate	15:27	Surface	1	7.3 7.3	7.3	7.4	13 13	13.0	11.3
				Middle	4.5	7.3 7.4	7.4		10 10	10.0	
				Bottom	8	7.5 7.7	7.6		11 11	11.0	
B1	Sunny	Moderate	14:44	Surface	1	7.4 7.5	7.5	12.5	6 6	6.0	8.0
				Middle	5	15.6 15.7	15.7		8 8	8.0	
				Bottom	9	14.2 14.1	14.2		10 10	10.0	
B2	Sunny	Moderate	14:50	Surface	1	3.8 4.2	4.0	9.0	6 6	6.0	6.7
				Middle	6.5	12.3 12.5	12.4		6 6	6.0	
				Bottom	12	9.5 11.8	10.7		8 8	8.0	
B3	Sunny	Moderate	14:56	Surface	1	6.6 6.6	6.6	11.0	7 7	7.0	5.7
				Middle	6.5	12.7 12.4	12.6		5 5	5.0	
				Bottom	12	13.5 13.8	13.7		5 5	5.0	
B4	Sunny	Moderate	15:02	Surface	1	8.9 8.8	8.9	11.0	10 10	10.0	10.2
				Middle	7	12.6 12.9	12.8		10 11	10.5	
				Bottom	13	11.1 11.5	11.3		10 10	10.0	
C1	Sunny	Moderate	14:24	Surface	1	10.5 10.6	10.6	13.7	5 5	5.0	6.3
				Middle	5	14.8 12.7	13.8		7 7	7.0	
				Bottom	9	16.0 17.2	16.6		7 7	7.0	
C2	Sunny	Moderate	14:31	Surface	1	11.9 11.9	11.9	13.5	6 6	6.0	6.7
				Middle	5	13.4 13.9	13.7		4 4	4.0	
				Bottom	9	14.8 15.1	15.0		10 10	10.0	
C3	Sunny	Moderate	14:38	Surface	1	11.1 11.2	11.2	11.8	5 5	5.0	7.7
				Middle	5.5	12.5 12.9	12.7		12 12	12.0	
				Bottom	10	11.0 11.8	11.4		6 6	6.0	
C5	Sunny	Moderate	14:16	Surface	1	22.1 21.6	21.9	30.0	34 36	35.0	32.7
				Middle	6	30.7 31.6	31.2		33 33	33.0	
				Bottom	11	36.7 36.8	36.8		30 30	30.0	

Remarks: *DA: Depth-Averaged

**Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Contract No. KL/2013/01

**Site Formation For Kai Tak Cruise Terminal Development - Remaining Works
(Water Quality Surveillance System)**

Water Quality Monitoring Results on 24 July, 2015 (Flood Tide)

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Turbidity(NTU)			Suspended Solids (mg/L)		
						Value	Average	DA*	Value	Average	DA*
A1	Cloudy	Moderate	13:20	Surface	1	3.8 4.2	4.0	3.9	11 12	11.5	7.8
				Middle	7	3.6 4.0	3.8		8 8	8.0	
				Bottom	13	3.8 4.1	4.0		4 4	4.0	
A2	Cloudy	Moderate	13:53	Surface	1	4.5 4.2	4.4	3.6	5 5	5.0	6.3
				Middle	5	2.2 2.6	2.4		6 6	6.0	
				Bottom	9	3.9 4.1	4.0		8 8	8.0	
A3	Cloudy	Moderate	13:28	Surface	1	4.2 4.1	4.2	4.1	7 8	7.5	8.0
				Middle	6	3.9 3.5	3.7		7 8	7.5	
				Bottom	11	4.2 4.7	4.5		9 9	9.0	
A4	Cloudy	Moderate	13:36	Surface	1	4.3 5.0	4.7	4.8	14 14	14.0	7.7
				Middle	5.5	5.1 5.3	5.2		4 4	4.0	
				Bottom	10	4.5 4.3	4.4		5 5	5.0	
B1	Cloudy	Moderate	12:50	Surface	1	3.8 3.7	3.8	4.4	7 7	7.0	9.8
				Middle	6.5	4.0 4.5	4.3		9 8	8.5	
				Bottom	12	5.3 5.0	5.2		14 14	14.0	
B2	Cloudy	Moderate	12:27	Surface	1	4.1 4.1	4.1	4.9	7 7	7.0	7.3
				Middle	7	4.2 3.8	4.0		8 8	8.0	
				Bottom	13	6.8 6.4	6.6		7 7	7.0	
B3	Cloudy	Moderate	12:13	Surface	1	3.4 3.6	3.5	4.9	5 5	5.0	7.5
				Middle	6.5	4.9 4.4	4.7		8 9	8.5	
				Bottom	12	6.2 6.5	6.4		9 9	9.0	
B4	Cloudy	Moderate	12:55	Surface	1	3.1 3.2	3.2	4.3	5 4	4.5	5.0
				Middle	6.5	5.1 5.6	5.4		5 5	5.0	
				Bottom	12	4.4 4.1	4.3		6 5	5.5	
C1	Cloudy	Moderate	12:38	Surface	1	4.0 3.8	3.9	4.0	4 4	4.0	4.8
				Middle	6.5	4.1 4.0	4.1		3 4	3.5	
				Bottom	12	4.2 3.8	4.0		7 7	7.0	
C2	Cloudy	Moderate	12:43	Surface	1	4.5 4.8	4.7	4.5	5 4	4.5	6.7
				Middle	7	3.7 4.1	3.9		6 6	6.0	
				Bottom	13	5.1 4.5	4.8		10 9	9.5	
C3	Cloudy	Moderate	12:19	Surface	1	5.5 5.4	5.5	4.9	6 5	5.5	4.2
				Middle	6.5	4.6 4.2	4.4		3 3	3.0	
				Bottom	12	5.0 4.6	4.8		4 4	4.0	
C5	Cloudy	Moderate	12:05	Surface	1	10.2 10.7	10.5	9.0	10 10	10.0	8.7
				Middle	6	8.7 8.3	8.5		7 6	6.5	
				Bottom	11	8.0 7.9	8.0		10 9	9.5	

Remarks: *DA: Depth-Averaged

**Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Contract No. KL/2013/01

**Site Formation For Kai Tak Cruise Terminal Development - Remaining Works
(Water Quality Surveillance System)**

Water Quality Monitoring Results on 5 August, 2015 (Ebb Tide)

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Turbidity(NTU)			Suspended Solids (mg/L)		
						Value	Average	DA*	Value	Average	DA*
A1	Sunny	Moderate	16:02	Surface	1	2.7 2.7	2.7	2.4	5 5	5.0	4.8
				Middle	7	2.3 2.4	2.4		5 5	5.0	
				Bottom	13	2.1 2.1	2.1		4 5	4.5	
A2	Sunny	Moderate	15:51	Surface	1	1.7 1.8	1.8	2.0	5 5	5.0	4.5
				Middle	6.5	1.9 2.0	2.0		4 4	4.0	
				Bottom	12	2.2 2.1	2.2		4 5	4.5	
A3	Sunny	Moderate	15:40	Surface	1	2.3 2.1	2.2	2.1	5 5	5.0	5.0
				Middle	6.5	2.0 2.0	2.0		5 5	5.0	
				Bottom	12	2.2 2.1	2.2		5 5	5.0	
A4	Sunny	Moderate	15:27	Surface	1	2.2 2.1	2.2	2.0	6 6	6.0	5.3
				Middle	6	1.8 1.8	1.8		5 5	5.0	
				Bottom	11	1.9 2.0	2.0		5 5	5.0	
B1	Sunny	Moderate	15:07	Surface	1	1.6 1.8	1.7	1.8	4 5	4.5	4.5
				Middle	7.5	1.8 2.2	2.0		5 5	5.0	
				Bottom	14	1.8 1.8	1.8		4 4	4.0	
B2	Sunny	Moderate	15:15	Surface	1	1.5 1.7	1.6	1.7	4 4	4.0	4.8
				Middle	7	1.7 1.7	1.7		6 5	5.5	
				Bottom	13	1.8 1.8	1.8		5 5	5.0	
B3	Sunny	Moderate	14:38	Surface	1	1.6 1.6	1.6	1.8	5 5	5.0	5.8
				Middle	7.5	1.7 1.7	1.7		7 8	7.5	
				Bottom	14	1.9 2.0	2.0		5 5	5.0	
B4	Sunny	Moderate	14:57	Surface	1	1.7 1.8	1.8	1.9	5 5	5.0	5.0
				Middle	5.5	1.7 1.8	1.8		5 4	4.5	
				Bottom	10	2.0 2.0	2.0		5 6	5.5	
C1	Sunny	Moderate	13:47	Surface	1	1.8 1.7	1.8	1.9	6 6	6.0	4.7
				Middle	7	1.7 1.8	1.8		4 4	4.0	
				Bottom	13	2.1 2.1	2.1		4 4	4.0	
C2	Sunny	Moderate	14:16	Surface	1	1.7 1.6	1.7	2.6	4 4	4.0	5.0
				Middle	7	1.6 1.7	1.7		5 5	5.0	
				Bottom	13	4.2 4.3	4.3		6 6	6.0	
C3	Sunny	Moderate	14:25	Surface	1	1.5 1.4	1.5	1.8	4 5	4.5	4.5
				Middle	6	1.8 1.7	1.8		4 4	4.0	
				Bottom	11	2.2 2.2	2.2		5 5	5.0	
C5	Sunny	Moderate	13:25	Surface	1	30.0 28.1	29.1	22.2	5 5	5.0	6.2
				Middle	7	24.1 23.4	23.8		5 5	5.0	
				Bottom	13	14.3 13.2	13.8		8 9	8.5	

Remarks: *DA: Depth-Averaged

**Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Contract No. KL/2013/01

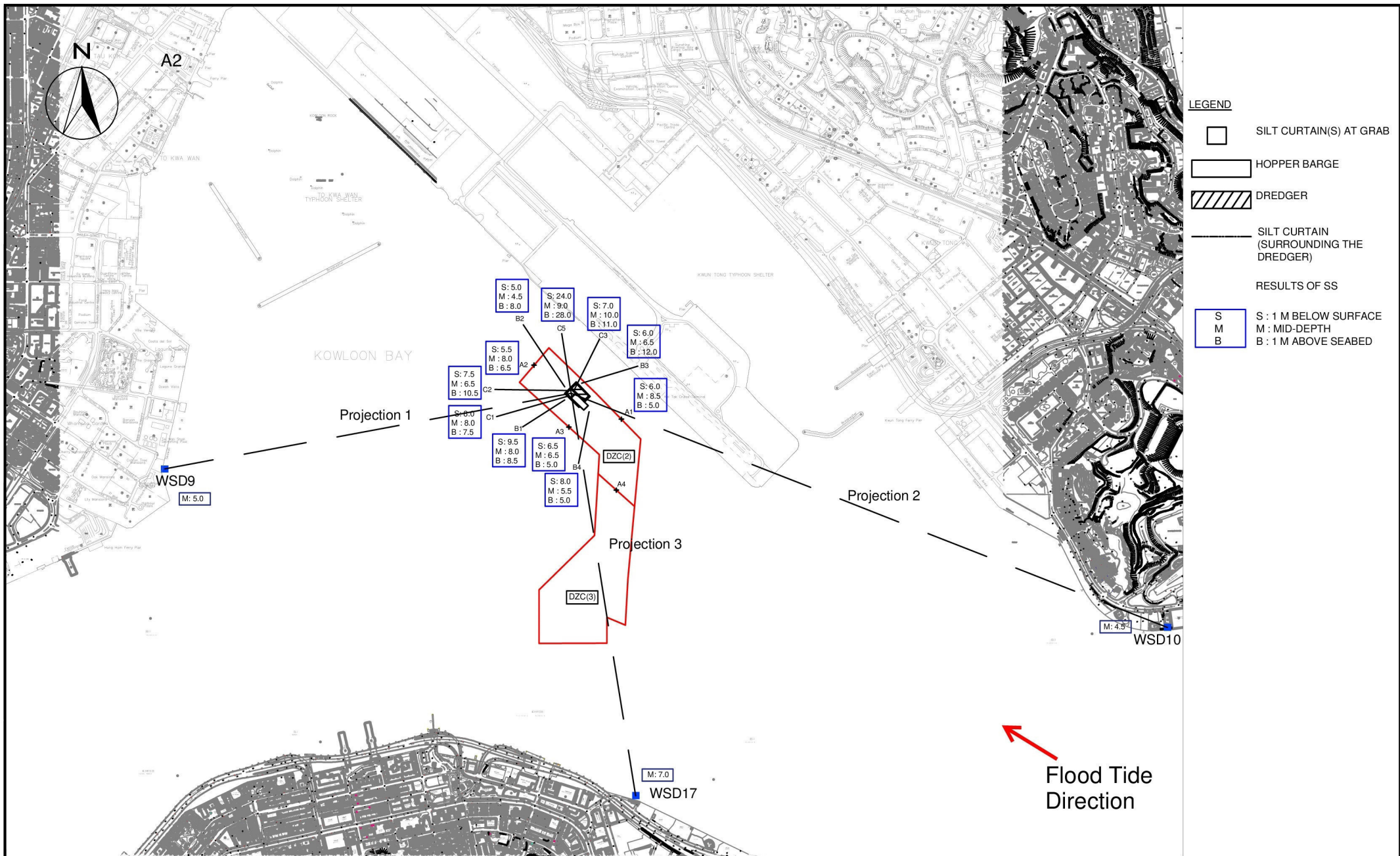
**Site Formation For Kai Tak Cruise Terminal Development - Remaining Works
(Water Quality Surveillance System)**

Water Quality Monitoring Results on 28 August, 2015 (Floode Tide)

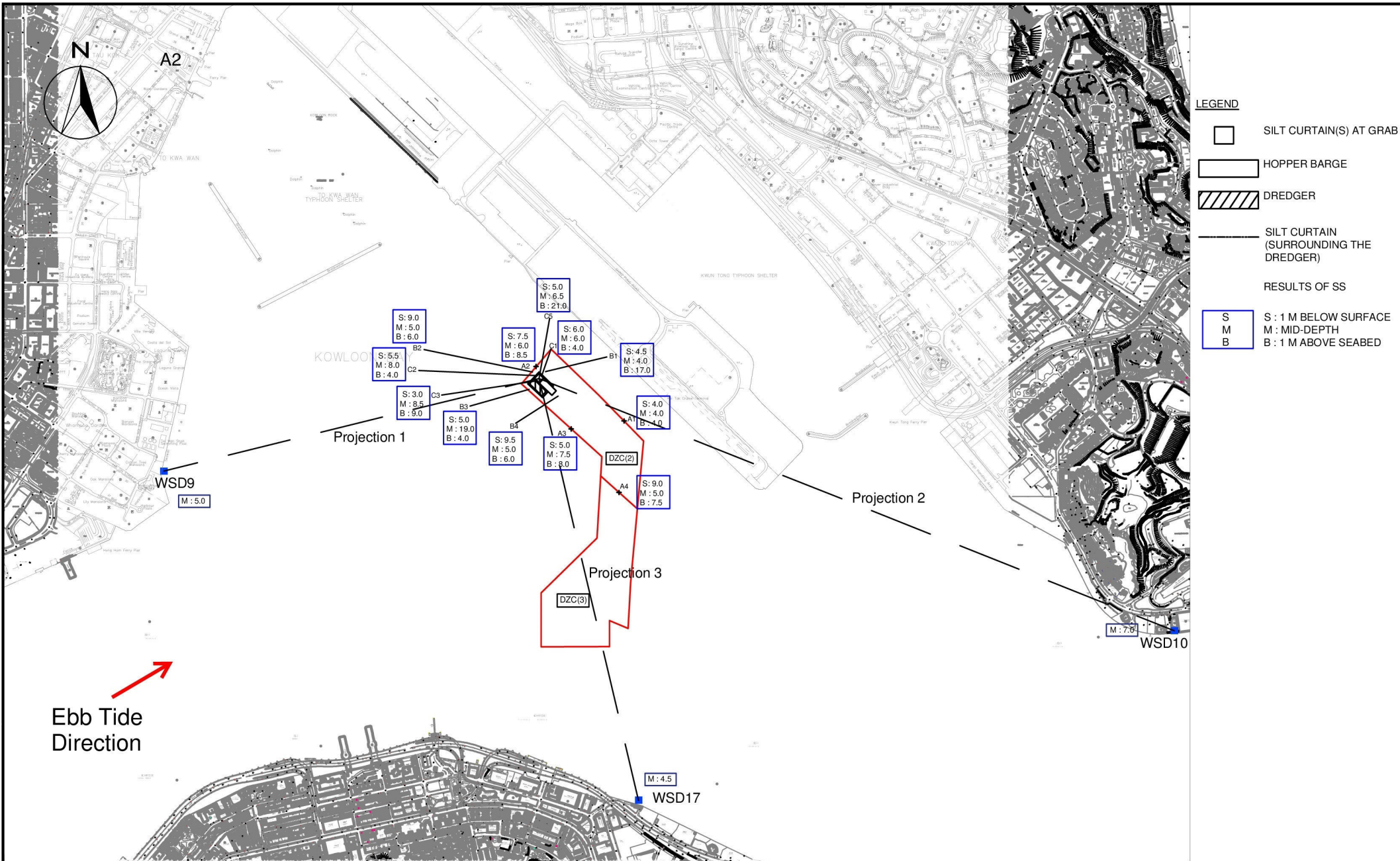
Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Turbidity(NTU)			Suspended Solids (mg/L)		
						Value	Average	DA*	Value	Average	DA*
A4	Sunny	Moderate	16:42	Surface	1	2.7 2.7	2.7	2.6	5 5	5.0	5.0
				Middle	4.5	2.3 2.4	2.4		4 5	4.5	
				Bottom	8	2.5 2.8	2.7		6 5	5.5	
A5	Sunny	Moderate	16:31	Surface	1	2.7 2.8	2.8	2.5	5 6	5.5	6.0
				Middle	4.5	2.4 2.3	2.4		8 8	8.0	
				Bottom	8	2.3 2.4	2.4		4 5	4.5	
A6	Sunny	Moderate	16:20	Surface	1	2.8 2.7	2.8	2.6	10 10	10.0	7.8
				Middle	4.5	2.4 2.3	2.4		5 5	5.0	
				Bottom	8	2.4 2.5	2.5		8 9	8.5	
A7	Sunny	Moderate	16:10	Surface	1	2.7 2.8	2.8	2.7	9 9	9.0	6.5
				Middle	4.5	2.5 2.6	2.6		6 6	6.0	
				Bottom	8	2.6 2.5	2.6		5 4	4.5	
B1	Sunny	Moderate	16:03	Surface	1	3.6 3.5	3.6	3.2	7 8	7.5	7.5
				Middle	5	3.0 3.0	3.0		6 6	6.0	
				Bottom	9	3.1 3.0	3.1		9 9	9.0	
B2	Sunny	Moderate	15:39	Surface	1	2.8 2.6	2.7	2.8	6 5	5.5	8.3
				Middle	5	2.9 2.9	2.9		10 9	9.5	
				Bottom	9	2.8 2.8	2.8		10 10	10.0	
B3	Sunny	Moderate	15:49	Surface	1	2.6 2.7	2.7	3.2	6 6	6.0	7.2
				Middle	5	2.9 2.9	2.9		8 7	7.5	
				Bottom	9	3.9 4.0	4.0		8 8	8.0	
B4	Sunny	Moderate	15:56	Surface	1	2.5 2.7	2.6	2.8	9 10	9.5	9.5
				Middle	5	2.9 2.9	2.9		9 9	9.0	
				Bottom	9	2.8 2.8	2.8		10 10	10.0	
C1	Sunny	Moderate	15:13	Surface	1	2.7 2.8	2.8	3.1	7 7	7.0	6.8
				Middle	5	3.2 3.2	3.2		5 6	5.5	
				Bottom	9	3.2 3.1	3.2		8 8	8.0	
C2	Sunny	Moderate	15:00	Surface	1	2.8 2.8	2.8	3.2	8 8	8.0	7.0
				Middle	5	2.7 2.8	2.8		6 6	6.0	
				Bottom	9	3.9 3.9	3.9		7 7	7.0	
C3	Sunny	Moderate	15:29	Surface	1	2.6 2.8	2.7	2.8	6 6	6.0	7.7
				Middle	5	2.7 2.7	2.7		9 9	9.0	
				Bottom	9	3.0 2.9	3.0		8 8	8.0	
C5	Sunny	Moderate	14:42	Surface	1	4.3 4.7	4.5	5.6	9 9	9.0	12.2
				Middle	5	4.8 4.3	4.6		9 9	9.0	
				Bottom	9	7.5 7.7	7.6		18 19	18.5	

Remarks: *DA: Depth-Averaged

**Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.



SCALE	N.T.S.		JUN 15
CHECK	IT	DRAWN	KC
JOB No.	MA15011	APPENDIX	REV
		C	-



LEGEND

- SILT CURTAIN(S) AT GRAB
- HOPPER BARGE
- DREDGER
- SILT CURTAIN (SURROUNDING THE DREDGER)

RESULTS OF SS

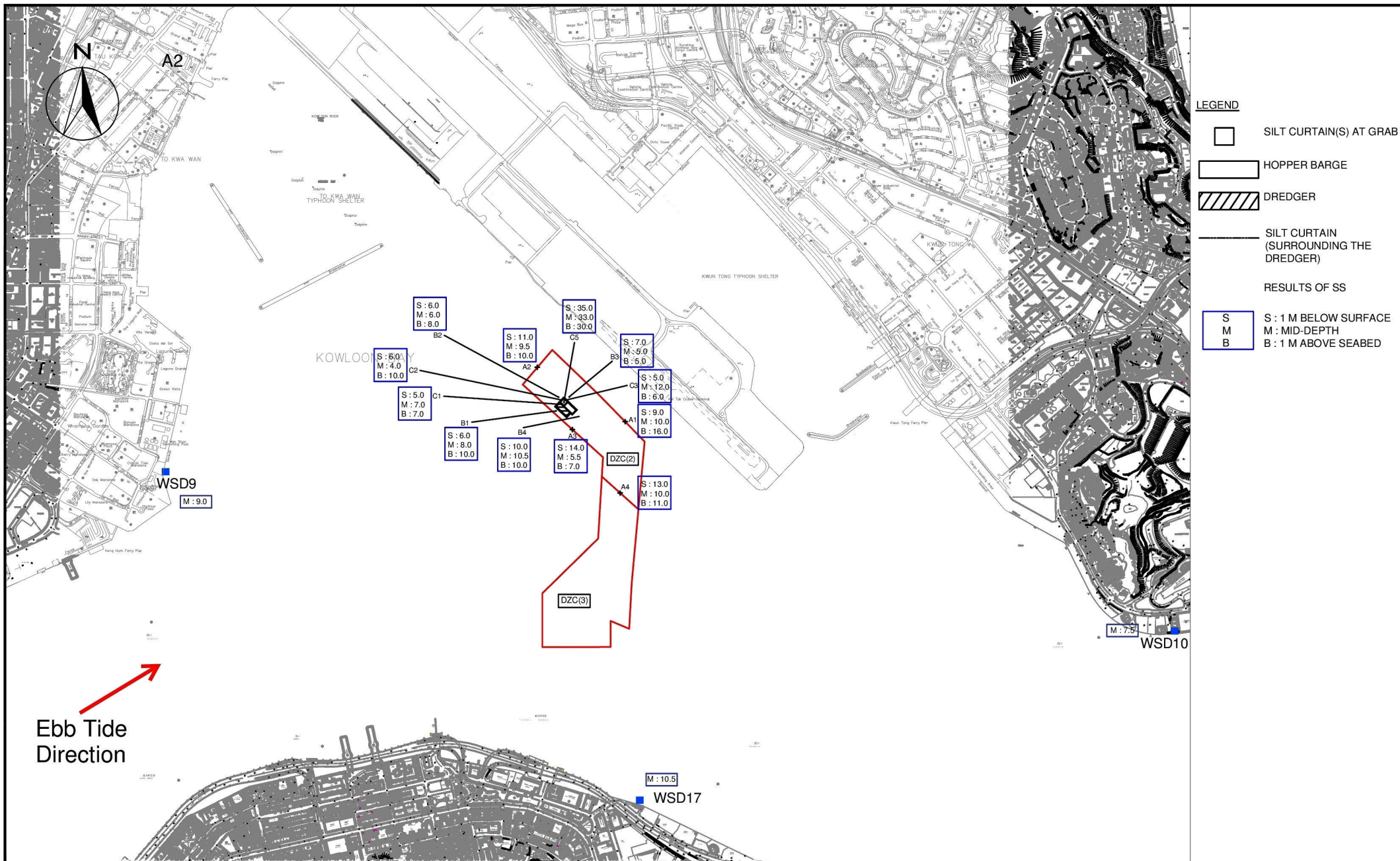
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M	M : MID-DEPTH
B	B : 1 M ABOVE SEABED



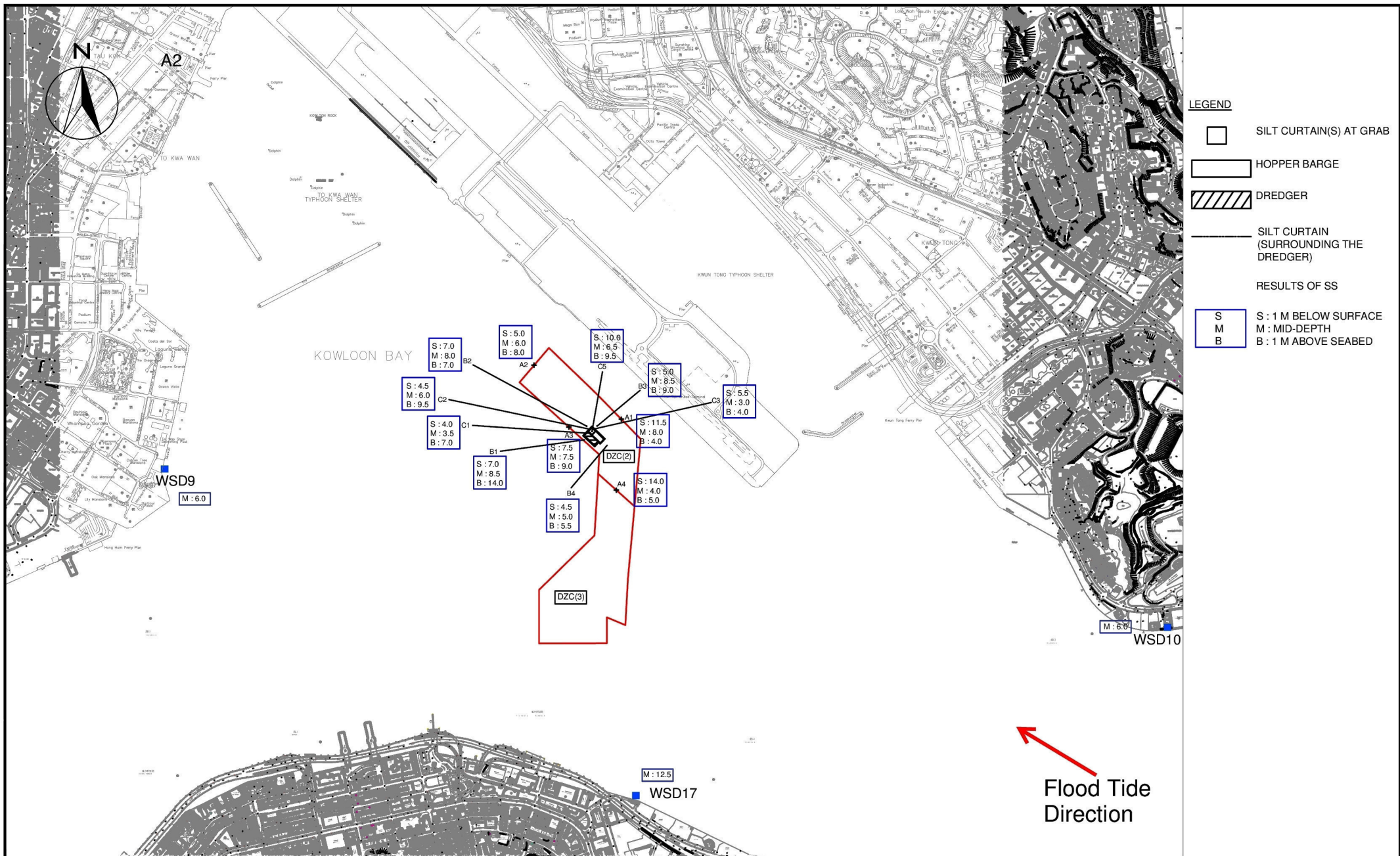
CONTRACT NO. KL/2013/01 - SITE FORMATION FOR KAI TAK CRUISE TERMINAL DEVELOPMENT - REMAINING WORKS

WATER QUALITY SURVEILLANCE SYSTEM - 22 June 2015 (Ebb Tide)

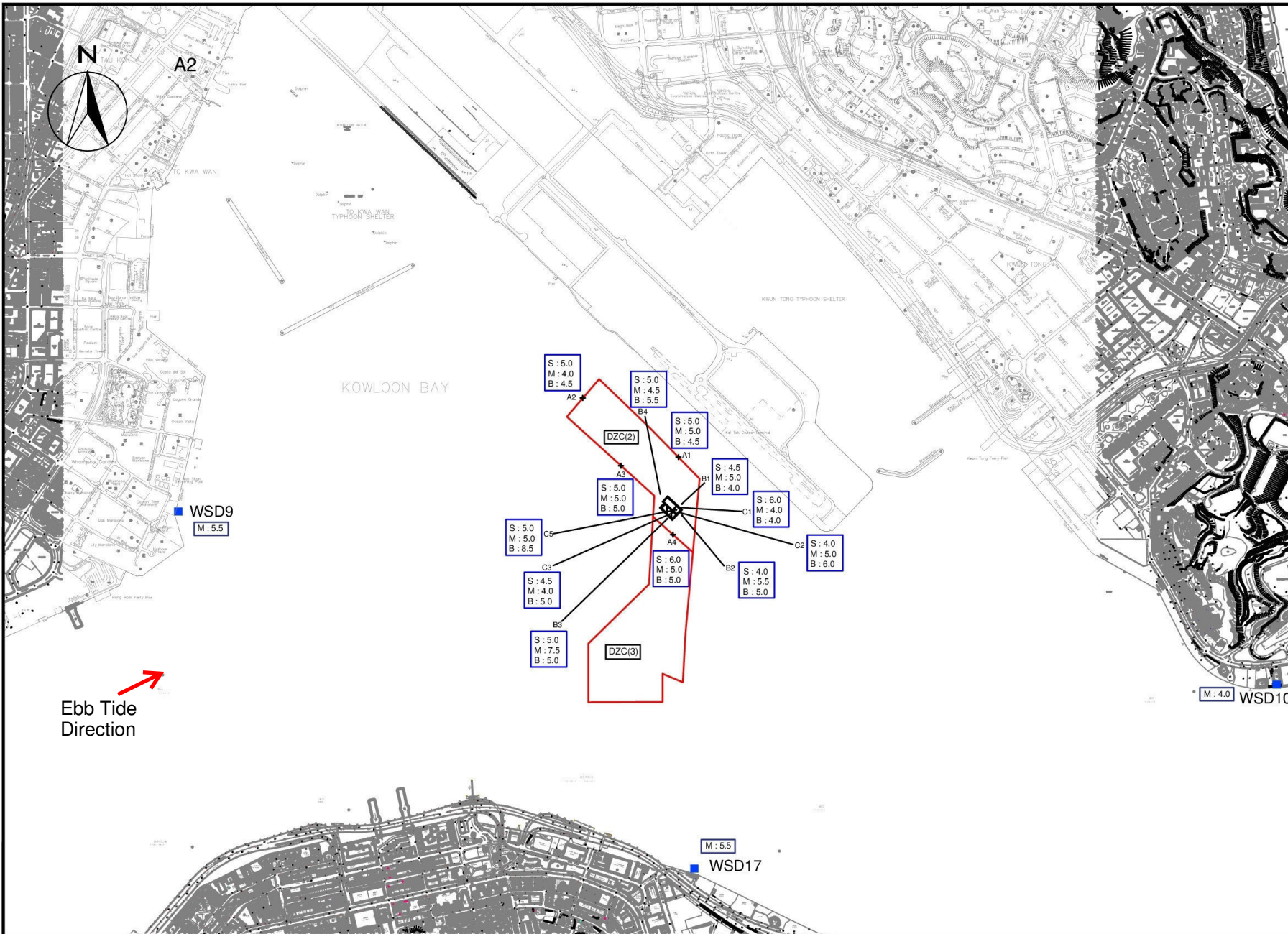
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JOB No.	MA15011	APPENDIX	REV
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SCALE	N.T.S.		JUL 15
CHECK	IT	DRAWN	KC
JOB No.	MA15011	APPENDIX	REV
		C	-



SCALE	N.T.S.	JUL 15	
CHECK	IT	DRAWN	KC
JOB No.	MA15011	APPENDIX C	REV -



LEGEND

-  SILT CURTAIN(S) AT GRAB
-  HOPPER BARGE
-  DREDGER
-  SILT CURTAIN (SURROUNDING THE DREDGER)

RESULTS OF SS

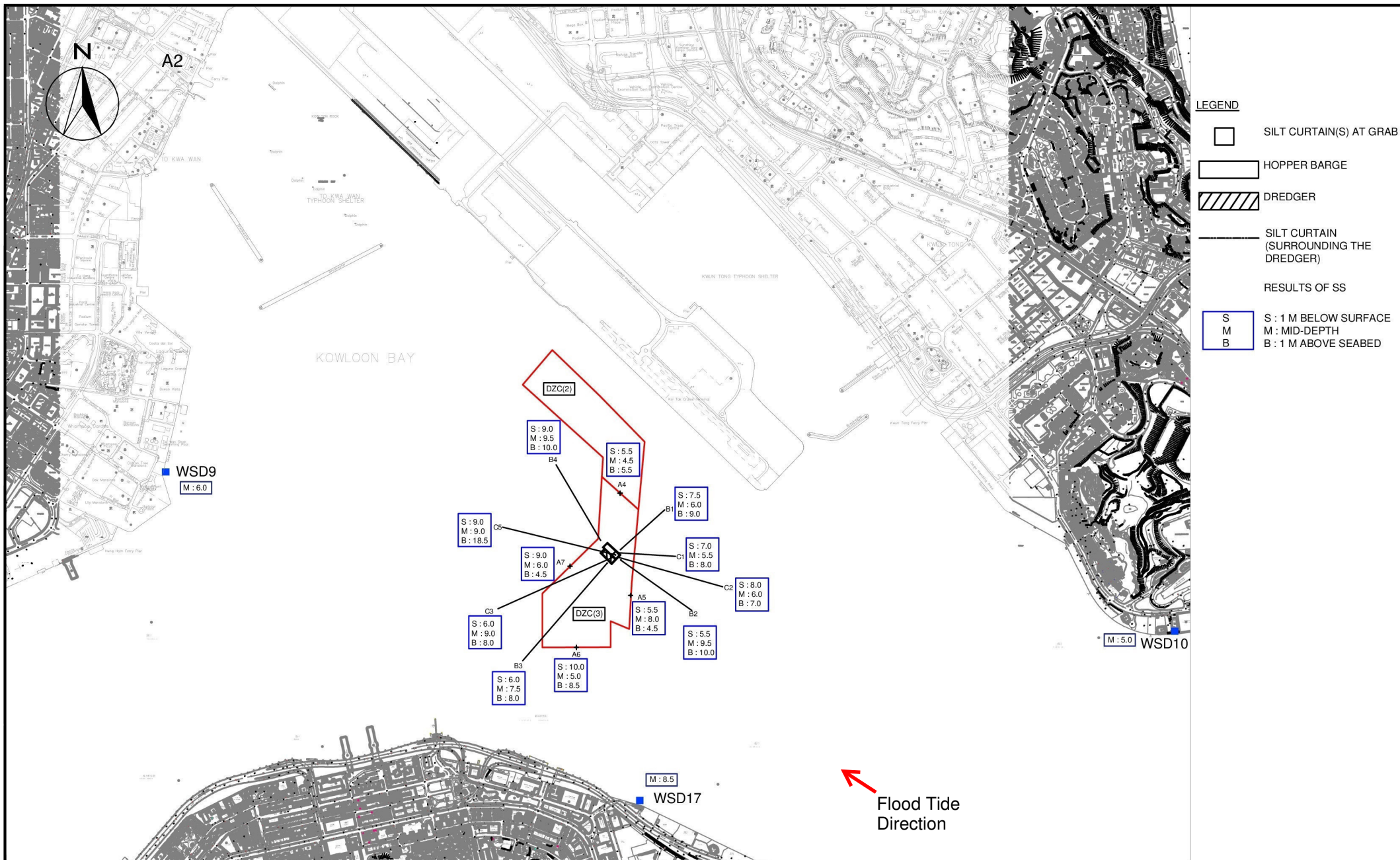
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-  M : MID-DEPTH
-  B : 1 M ABOVE SEABED

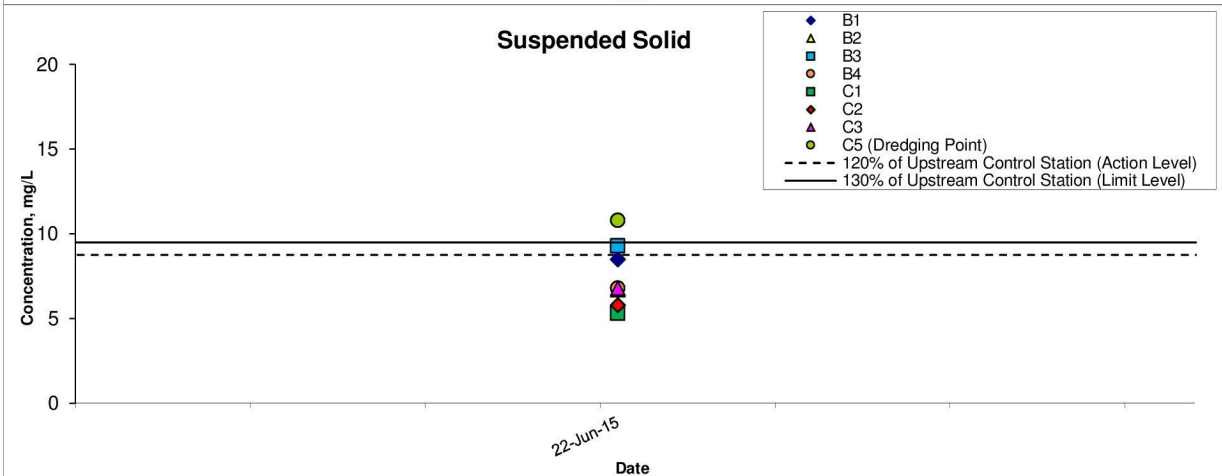
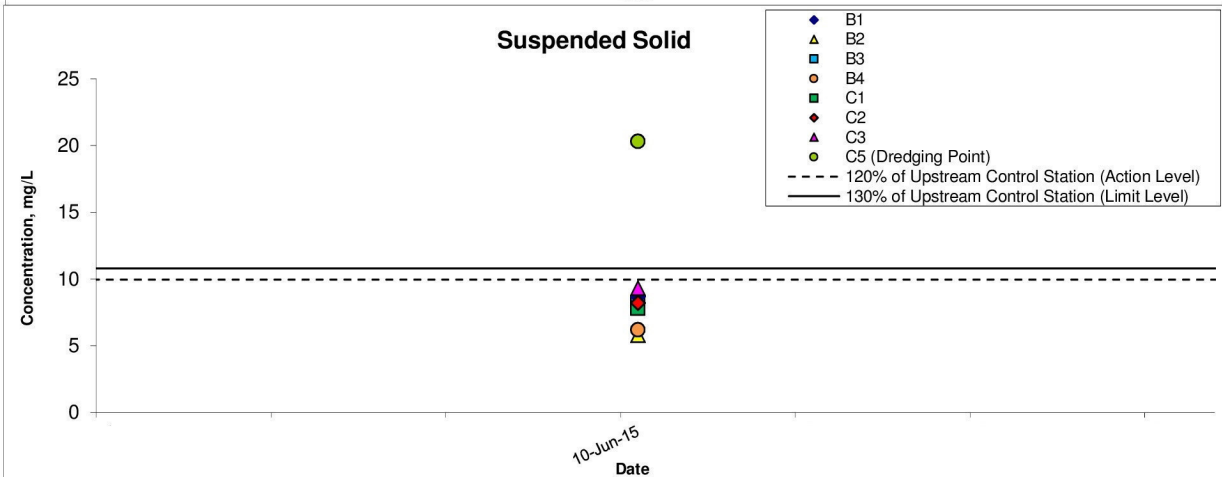
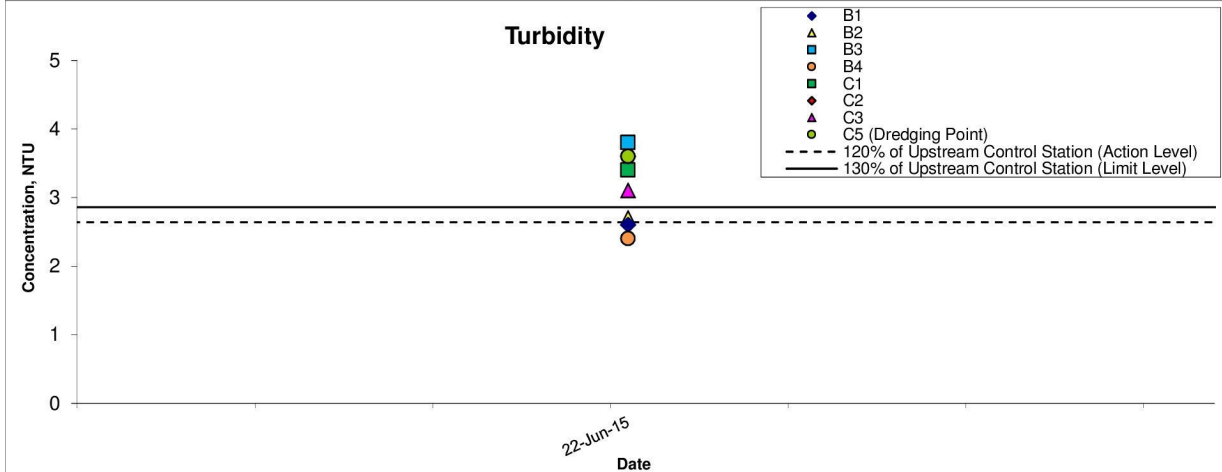
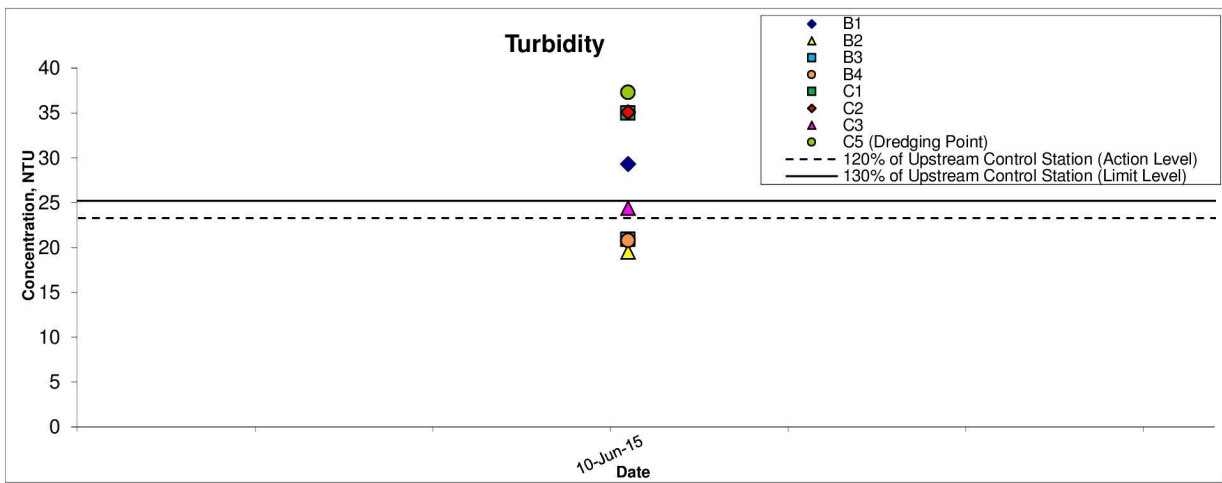


CONTRACT NO. KL/2013/01 - SITE FORMATION FOR KAI TAK CRUISE TERMINAL DEVELOPMENT - REMAINING WORKS

WATER QUALITY SURVEILLANCE SYSTEM - 5 August 2015 (Ebb Tide)

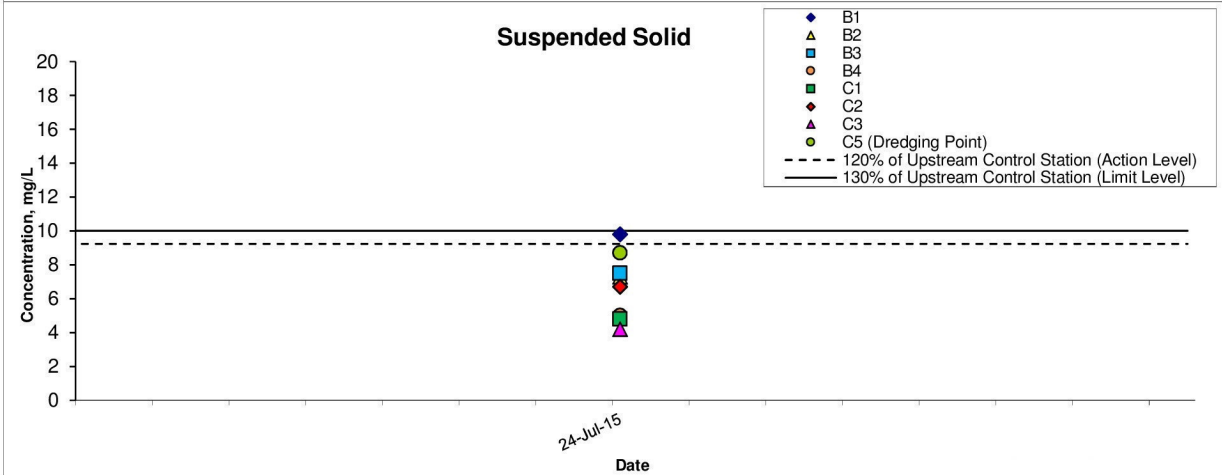
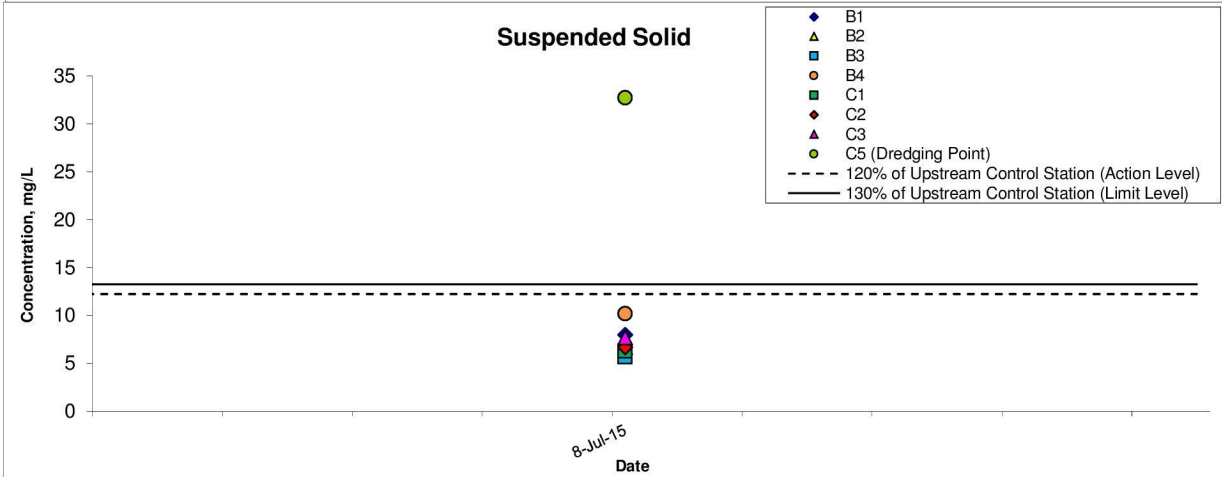
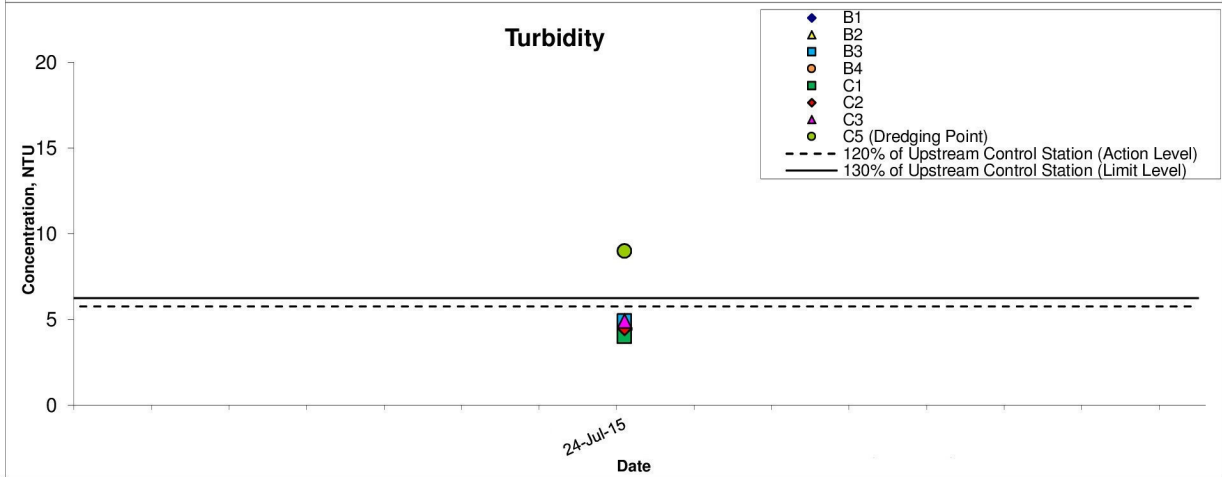
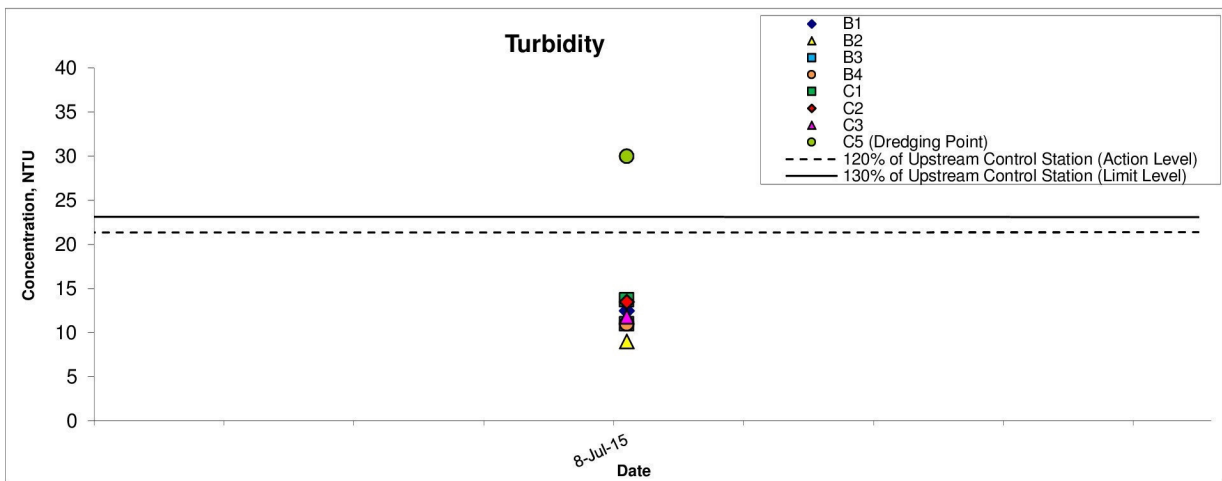
SCALE	N.T.S.		AUG 15
CHECK	IT	DRAWN	KC
JOB No.	MA15011	APPENDIX	REV
		C	-





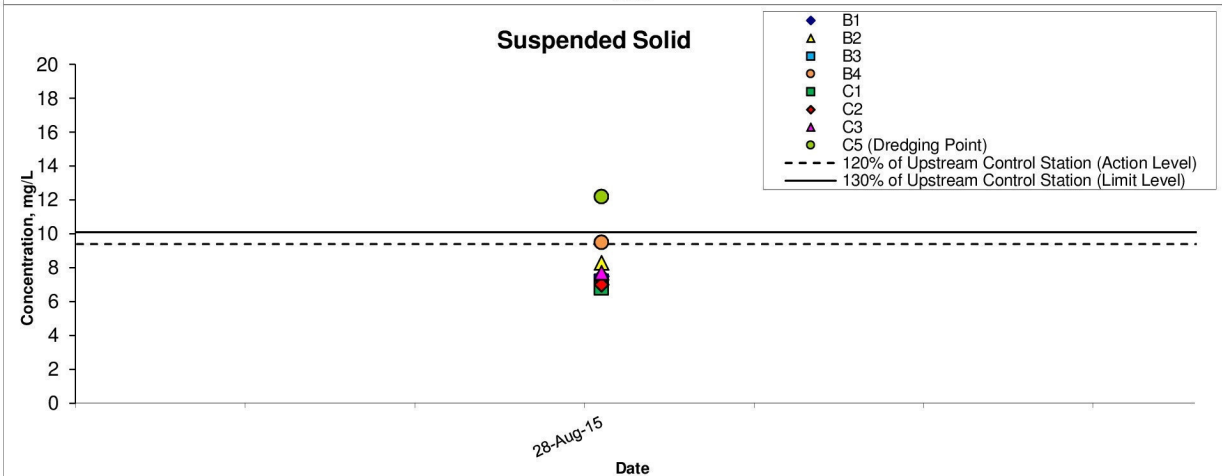
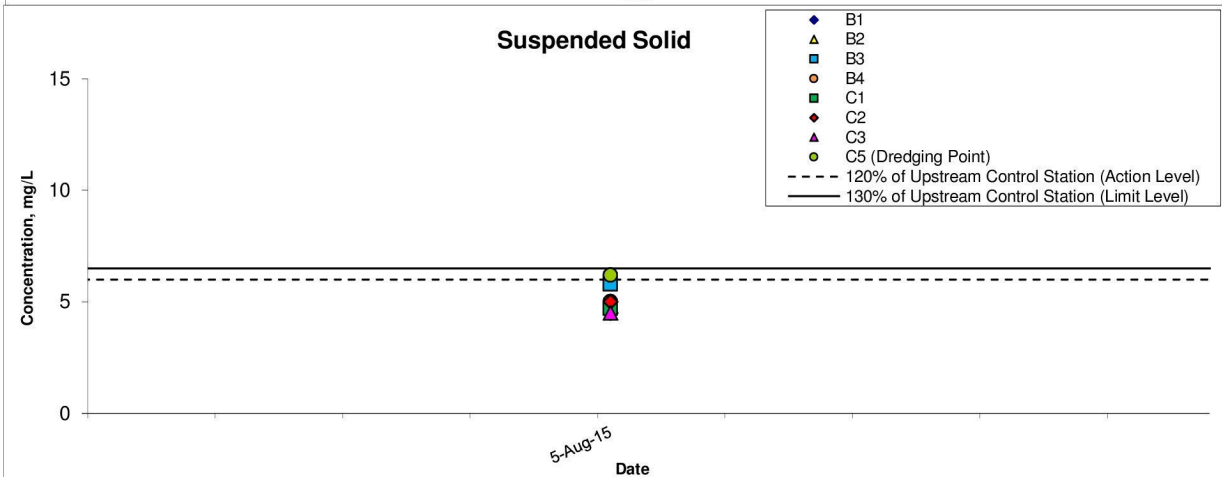
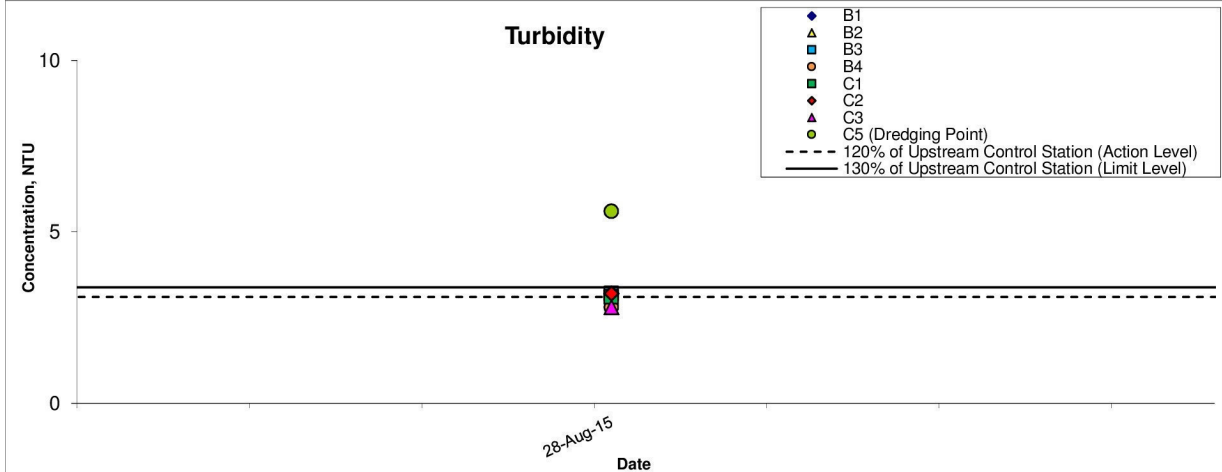
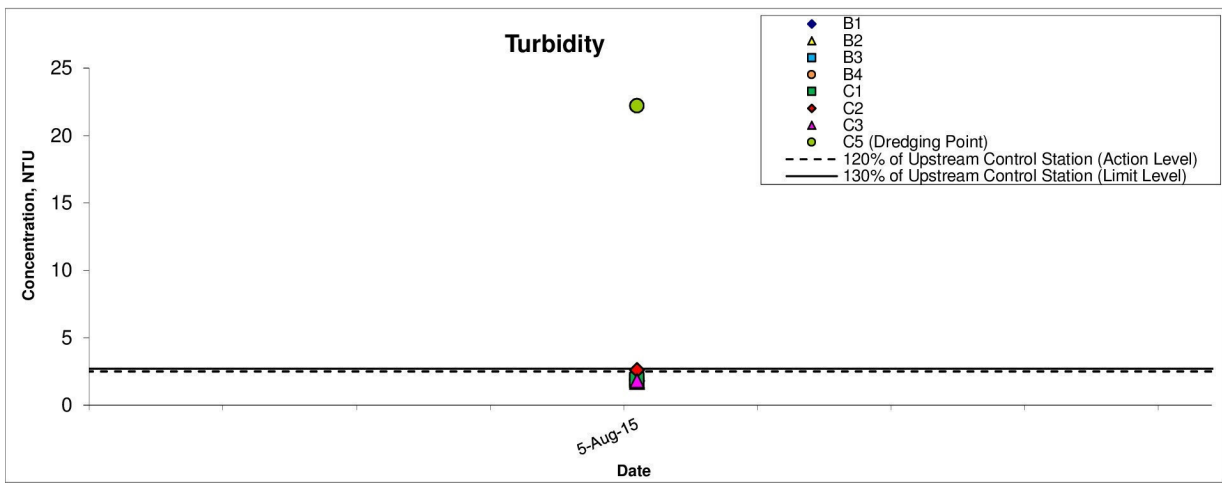
Remarks: A1 and A4 were taken as upstream control station on 10 June 2015 and A2 was taken as upstream control station on 22 June 2015 respectively. The Action and Limit Levels for water quality surveillance system were derived from 120% of 130% of upstream control stations's SS/turbidity in depth average at the same tide of the same day.

Title Contract No. KL/2013/01 - Site Formation For Kai Tak Cruise Terminal Development - Remaining Works Graphical Presentation of Water Quality Surveillance System Results	Scale	N.T.S	Project No.	MA15011	CINOTECH
	Date	Jun 15	Appendix	C	



Remarks: Upstream Control station on 8 July 2015 and 24 July 2015 were A2 and A4 respectively.
 The Action and Limit Levels for water quality surveillance system were derived from 120% of 130% of upstream control stations's SS/turbidity in depth average at the same tide of the same day.

Title Contract No. KL/2013/01 - Site Formation For Kai Tak Cruise Terminal Development -Remaining Works Graphical Presentation of Water Quality Surveillance System Results	Scale	N.T.S	Project No.	MA15011	CINOTECH
	Date	Jul 15	Appendix	C	



Remarks: A3 and A6 were taken as upstream control station on 5 August 2015 and 28 August 2015 respectively. The Action and Limit Levels for water quality surveillance system were derived from 120% of 130% of upstream control stations's SS/turbidity in depth average at the same tide of the same day.

Title Contract No. KL/2013/01 - Site Formation For Kai Tak Cruise Terminal Development - Remaining Works Graphical Presentation of Water Quality Surveillance System Results	Scale	N.T.S	Project No.	MA15011	CINOTECH
	Date	Aug 15	Appendix	C	

APPENDIX D
EVENT ACTION PLANS

Appendix D - Event and Action Plan for Water Quality

Event	ET	IEC	ER	Contractor
Action level being exceeded by one sampling day	<ol style="list-style-type: none"> 1. Repeat <i>in situ</i> measurement to confirm findings; 2. Identify source(s) of impact; 3. Inform IEC and Contractor; 4. Check monitoring data, all plant, equipment and Contractor's working methods. 5. Discuss mitigation measures with IEC and Contractor; 6. (The above actions should be taken within 1 working day after the exceedance is identified) 7. Repeat measurement on next day of exceedance. 	<ol style="list-style-type: none"> 1. Discuss with ET and Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; 3. Assess the effectiveness of the implemented mitigation measures. 4. (The above actions should be taken within 1 working day after the exceedance is identified) 	<ol style="list-style-type: none"> 1. Discuss with IEC on the proposed mitigation measures; 2. Make agreement on the mitigation measures to be implemented. 3. (The above actions should be taken within 1 working day after the exceedance is identified) 	<ol style="list-style-type: none"> 1. Inform ER and confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Review the working methods and consider additional measures such as use of frame-type silt curtain, deployment of double silt curtains, slowing down, or rescheduling of works; 5. Discuss with ET and IEC and proposed mitigation measures to IEC and ER; 6. Implement the agreed mitigation measures. 7. (The above actions should be taken within 1 working day after the exceedance is identified)
Action level being exceeded by more than one	<ol style="list-style-type: none"> 1. Identify source(s) of impact; 2. Inform IEC and Contractor; 	<ol style="list-style-type: none"> 1. Discuss with ET and Contractor on the mitigation measures; 	<ol style="list-style-type: none"> 1. Discuss with IEC on the proposed mitigation measures; 	<ol style="list-style-type: none"> 1. Inform ER and confirm notification of the non-compliance in writing;

Appendix D - Event and Action Plan for Water Quality

Event	ET	IEC	ER	Contractor
consecutive sampling days	<ol style="list-style-type: none"> 3. Check monitoring data, all plant, equipment and Contractor's working methods. 4. Discuss mitigation measures with IEC and Contractor; 5. Ensure mitigation measures are implemented; 6. Prepare to increase the monitoring frequency to daily; 7. (The above actions should be taken within 1 working day after the exceedance is identified) 8. Repeat measurement on next day of exceedance. 	<ol style="list-style-type: none"> 2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; 3. Assess the effectiveness of the implemented mitigation measures. 4. (The above actions should be taken within 1 working day after the exceedance is identified) 	<ol style="list-style-type: none"> 2. Make agreement on the mitigation measures to be implemented. 3. Assess the effectiveness of the implemented mitigation measures. 4. (The above actions should be taken within 1 working day after the exceedance is identified) 	<ol style="list-style-type: none"> 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Review the working methods and consider additional measures such as use of frame-type silt curtain, deployment of double silt curtains, slowing down, or rescheduling of works; 5. Discuss with ET and IEC and proposed mitigation measures to IEC and ER within 3 working days; 6. Implement the agreed mitigation measures. 7. (The above actions should be taken within 1 working day after the exceedance is identified)
Limit level being exceeded by one sampling day	<ol style="list-style-type: none"> 1. Repeat <i>in situ</i> measurement to confirm findings; 2. Identify source(s) of impact; 3. Inform IEC, Contractor and EPD; 4. Check monitoring data, all plant, 	<ol style="list-style-type: none"> 1. Discuss with ET and Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by Contractor and 	<ol style="list-style-type: none"> 1. Discuss with IEC, ET and Contractor on the proposed mitigation measures; 2. Request Contractor to critically review the 	<ol style="list-style-type: none"> 1. Inform ER and confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment;

Appendix D - Event and Action Plan for Water Quality

Event	ET	IEC	ER	Contractor
	<p>equipment and Contractor's working methods.</p> <p>5. Discuss mitigation measures with IEC, ER and Contractor;</p> <p>6. Ensure mitigation measures are implemented;</p> <p>7. Increase the monitoring frequency to daily until no exceedance of Limit Level.</p> <p>8. (The above actions should be taken within 1 working day after the exceedance is identified)</p>	<p>advise the ER accordingly;</p> <p>3. Assess the effectiveness of the implemented mitigation measures.</p> <p>4. (The above actions should be taken within 1 working day after the exceedance is identified)</p>	<p>working methods;</p> <p>3. Make agreement on the mitigation measures to be implemented.</p> <p>4. Assess the effectiveness of the implemented mitigation measures.</p> <p>5. (The above actions should be taken within 1 working day after the exceedance is identified)</p>	<p>4. Review the working methods and consider additional measures such as use of frame-type silt curtain, deployment of double silt curtains, slowing down, or rescheduling of works;</p> <p>5. Discuss with ET and IEC and ER and proposed mitigation measures to IEC and ER within 3 working days;</p> <p>6. Implement the agreed mitigation measures.</p> <p>7. (The above actions should be taken within 1 working day after the exceedance is identified)</p>
<p>Limit level being exceeded by more than one consecutive sampling days</p>	<p>1. Identify source(s) of impact;</p> <p>2. Inform IEC, Contractor and EPD;</p> <p>3. Check monitoring data, all plant, equipment and Contractor's working methods.</p> <p>4. Discuss mitigation measures with IEC, ER and Contractor;</p>	<p>1. Discuss with ET and Contractor on the mitigation measures;</p> <p>2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly;</p> <p>3. Assess the effectiveness of</p>	<p>1. Discuss with IEC, ET and Contractor on the proposed mitigation measures;</p> <p>2. Request Contractor to critically review the working methods;</p> <p>3. Make agreement on the mitigation measures to be</p>	<p>1. Inform ER and confirm notification of the non-compliance in writing;</p> <p>2. Rectify unacceptable practice;</p> <p>3. Check all plant and equipment;</p> <p>4. Review the working methods and consider additional measures such as use of</p>

Appendix D - Event and Action Plan for Water Quality

Event	ET	IEC	ER	Contractor
	<p>5. Ensure mitigation measures are implemented;</p> <p>6. Increase the monitoring frequency to daily until no exceedance of Limit Level for two consecutive days.</p> <p>7. (The above actions should be taken within 1 working day after the exceedance is identified)</p>	<p>the implemented mitigation measures.</p> <p>4. (The above actions should be taken within 1 working day after the exceedance is identified)</p>	<p>implemented.</p> <p>4. Assess the effectiveness of the implemented mitigation measures.</p> <p>5. Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the marine work until no exceedance of Limit level.</p> <p>6. (The above actions should be taken within 1 working day after the exceedance is identified)</p>	<p>frame-type silt curtain, deployment of double silt curtains, slowing down, or rescheduling of works;</p> <p>5. Discuss with ET and IEC and ER and proposed mitigation measures to IEC and ER within 3 working days;</p> <p>6. Implement the agreed mitigation measures.</p> <p>7. As directed by the Engineer, to slow down or to stop all or part of construction activities.</p> <p>8. (The above actions should be taken within 1 working day after the exceedance is identified)</p>

**APPENDIX E
UPDATED ENVIRONMENTAL
MITIGATION IMPLEMENTATION
SCHEDULE (EMIS)**

Appendix E –Updated Environmental Mitigation Implementation Schedule

EIA Ref.	Recommended Mitigation Measures	Implementation Agent	Location/ Timing of the measures	Implementation Stage	Implementation Status
<i>Air Quality</i>					
S3.6	Requirements of the Air Pollution Control (Construction Dust) Regulation shall be adhered to during the construction period.	Contractor for capital dredging	Work site/ during dredging in the construction stage and maintenance dredging during operation stage	Construction stage	*
S3.6	In order to minimize the potential odour emissions, if any, the dredged sediment placed on barge should be properly covered as far as practicable to minimize the exposed area and hence the potential odour emissions during the transportation of the dredged sediment.	Contractor for capital and maintenance dredging	Work site/ during dredging in the construction stage and maintenance dredging during operation stage	Construction stage and Operation stage	^
<i>Construction Noise (Air borne)</i>					
S4.8	<p>Good Site Practices:</p> <ul style="list-style-type: none"> • Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction program. • Mobile plant, if any, should be sited as far away from NSRs as possible. • Machines and plant (such as trucks) that may be in intermittent use should be shut down between works periods or should be throttled down to a minimum. • Plant known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby NSRs. • Material stockpiles and other structures should effectively utilized, wherever practicable, in screening noise from on-site construction activities. 	Contractor for capital and maintenance dredging	Work site/ during dredging in the construction stage and maintenance dredging during operation stage	Construction stage and Operation stage	^ ^ ^ ^ ^
S4.9	If there is any planned NSRs within 300 m from the work area occupied during the dredging period, an EM&A programme is recommended to be	Developer of cruise terminal	Representative NSRs at the former Kai Tak Airport runway/ Prior and	Construction Stage and Operation stage	N/A

Appendix E –Updated Environmental Mitigation Implementation Schedule

EIA Ref.	Recommended Mitigation Measures	Implementation Agent	Location/ Timing of the measures	Implementation Stage	Implementation Status
	dredging				
S5.9	Silt screens should be installed at the WSD flushing water intakes at Cha Kwo Ling, Quarry Bay, and Tai Wan for dredging in the manoeuvring basin of the second berth during the capital dredging.	Contractor for capital dredging	Seawater intakes in Victoria Harbour/ During the construction of cruise terminal	Construction stage	^
S5.9	If the opening has been introduced at the northern runway, silt screen should also be installed at the WSD flushing water intake at Sai Wan Ho, Sheung Wan and Wan Chai for dredging in the manoeuvring basin of the second berth during the capital dredging.	CEDD	Seawater intake at Sai Wan Ho, Sheung Wan and Wan Chai/ During the construction of cruise terminal	Construction stage	^
S5.9	Other good site practices that should undertaken during dredging include: <ul style="list-style-type: none"> • All vessels should be sized so that adequate clearance is maintained between vessels and the seabed in all tide conditions, to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash; • All barges / dredgers should be fitted with tight fitting seals to their bottom openings to prevent leakage of material; • Construction activities should not cause foam, oil, grease, scum, litter or other objectionable matter to be present on the water within the site or dumping grounds; • Barges or hoppers should not be filled to a level that will cause the overflow of materials or polluted water during loading or transportation. 	Contractor for capital and maintenance dredging	Work site and adjacent waters/ during dredging in the construction stage and maintenance dredging during operation stage	Construction stage and Operation stage	^ ^ ^ ^
S5.9	Appropriate numbers of portable chemical toilets shall be provided by a licensed contractor to serve the construction workers over the construction site. The Contractor shall also be responsible for waste disposal and maintenance practices	Contractor for capital and maintenance dredging	Work site and adjacent waters/ during dredging in the construction stage and maintenance dredging during operation stage	Construction stage and Operation stage	^

Appendix E –Updated Environmental Mitigation Implementation Schedule

EIA Ref.	Recommended Mitigation Measures	Implementation Agent	Location/ Timing of the measures	Implementation Stage	Implementation Status
S5.9	Collection and removal of floating refuse should be performed at regular intervals on a daily basis. The Contractor should be responsible for keeping the water within the site boundary and the neighbouring water free from rubbish during the dredging works.	Contractor for capital and maintenance dredging	Work site and adjacent waters/ during dredging in the construction stage and maintenance dredging during operation stage	Construction stage and Operation stage	^
S5.9	An environmental monitoring and audit programme should be implemented to verify whether or not impact predictions are representative, and to ensure that all the recommended mitigation measures are implemented properly. If the water quality monitoring data indicate that the proposed dredging works result in unacceptable water quality impacts in the receiving water, appropriate actions should be taken to review the dredging operation and additional measures such as use of frame-type silt curtain, deployment of double silt curtains, slowing down, or rescheduling or works should be implemented as necessary.	Developer of cruise terminal	Selected water receiver points in Victoria Harbour/ Prior and during the construction of cruise terminal and maintenance dredging	Construction stage and Operation stage	^
S5.9	Silt screens are recommended to be deployed at six selected WSD flushing water intakes during the capital dredging. The Contractor for capital dredging shall demonstrate and ensure that the design of the silt screen will not affect the normal operation of flushing water intake. The Contractor shall obtain consensus from all relevant parties, including WSD and Marine Department on the design of the silt screen at each of the six selected flushing water intake points before installation of the silt screen and commencement of the proposed dredging works. As a mitigation measure to avoid the pollutant and refuse entrapment problems and to ensure that the impact monitoring results are representative, regular maintenance of the silt screens and refuse collection should be performed at the monitoring stations at regular	Contractor for capital dredging	Selected water receiver points in Victoria Harbour/ during dredging in the construction stage	Construction stage	*

Appendix E –Updated Environmental Mitigation Implementation Schedule

EIA Ref.	Recommended Mitigation Measures	Implementation Agent	Location/ Timing of the measures	Implementation Stage	Implementation Status
	intervals on a daily basis. The Contractor should be responsible for keeping the water behind the silt screen free from floating rubbish and debris during the impact monitoring period.				
Waste Management					
S6.7	<p><i>Good Site Practices</i> It is not anticipated that adverse waste management related impacts would arise, provided that good site practices are adhered to. Recommendations for good site practices during the dredging activities include:</p> <ul style="list-style-type: none"> • Nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site. • Training of site personnel in proper waste management and chemical waste handling procedures. • Provision of sufficient waste disposal points and regular collection for disposal. • Appropriate measure to minimize windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers. • A recording system for the amount of wastes generated, recycled and disposed of (including the disposal sites). • Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal. • Encourage collection of aluminium cans, PET bottles and paper by 	Contractor for capital and maintenance dredging	Work site/ during dredging in the construction stage and maintenance dredging during operation stage	Construction stage and Operation stage	<p>^</p> <p>^</p> <p>^</p> <p>^</p> <p>^</p> <p>^</p> <p>^</p>

Appendix E –Updated Environmental Mitigation Implementation Schedule

EIA Ref.	Recommended Mitigation Measures	Implementation Agent	Location/ Timing of the measures	Implementation Stage	Implementation Status
	<p>providing separate labeled bins to enable these wastes to be segregated from other general refuse generated by the work force.</p> <ul style="list-style-type: none"> • Any unused chemicals or those with remaining functional capacity shall be recycled. 				^
S6.7	<p><i>Marine Sediments</i> The dredged marine sediments would be loaded onto barges and transported to the designated disposal sites allocated by the MFC depending on their level of contamination. Sediment classified as Category L would be suitable for Type 1 –Open Sea Disposal (Dedicated Sites) or Type 2 –Confined Marine Disposal and must be dredged and transported with great care in accordance with ETWB TCW No. 34/2002. Subject to the final allocation of the disposal sites by MFC, the dredged contaminated sediment must be effectively isolated from the environment upon final disposal and shall be disposed of at the East Sha Chau Contaminated Mud Pits that are designated for the disposal of contaminated mud in Hong Kong.</p>	Contractor for capital and maintenance dredging	Work site/ during dredging in construction stage and maintenance dredging during operation stage	Construction stage and Operation stage	^
S6.7	<p>It will be the responsibility of the Contractor to satisfy the appropriate authorities that the contamination levels of the marine sediment to be dredged have been analysed and recorded. According to the ETWB TCW No. 34/2002, this will involve the submission of a formal Sediment Quality Report to the DEP, prior to the dredging contract being tendered. The Contractor for the dredging works shall apply for the allocation of marine sediment disposal sites from all relevant authorities.</p>	Contractor for capital and maintenance dredging	Work site/ during dredging in the construction stage and maintenance dredging during operation stage	Construction stage and Operation stage	^
S6.7	<p>During transportation and disposal of the dredged marine sediments requiring Type 1 and Type 2 disposal, the following measures shall be taken to minimize potential impacts on water quality:</p>	Contractor for capital and maintenance dredging	Work site/ during dredging in the construction stage and maintenance dredging during operation stage	Construction stage and Operation stage	

Appendix E –Updated Environmental Mitigation Implementation Schedule

EIA Ref.	Recommended Mitigation Measures	Implementation Agent	Location/ Timing of the measures	Implementation Stage	Implementation Status
	<p>material. Mitigation measures and good site practices should be incorporated in the contract document to control potential environmental impact from handling and transportation of C&D material. The mitigation measures include:</p> <ul style="list-style-type: none"> • Where it is unavoidable to have transient stockpiles of C&D material with the Project work site pending collection for disposal, the transient stockpiles shall be located away from waterfront or storm drains as far as possible. • Open stockpiles of construction materials or construction wastes on-site should be covered with tarpaulin or similar fabric. • Skip hoist for material transport should be totally enclosed by impervious sheeting. • Every vehicle should be washed to remove any dusty materials from its body and wheels before leaving a construction site. • The area where vehicle washing takes place and the section of the road between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores. • The load of dusty materials carried by vehicle leaving a construction site should be covered entirely by clean impervious sheeting to ensure dust materials do not leak from the vehicle. • All dusty materials should be sprayed with water prior to any loading, unloading or transfer operation so as to maintain the dusty materials wet. • The height from which excavated materials are dropped should be controlled to a minimum practical height to limit fugitive dust 				<p>^</p> <p>*</p> <p>^</p> <p>^</p> <p>^</p> <p>^</p> <p>*</p> <p>^</p>

Appendix E –Updated Environmental Mitigation Implementation Schedule

EIA Ref.	Recommended Mitigation Measures	Implementation Agent	Location/ Timing of the measures	Implementation Stage	Implementation Status
	generation from unloading.				
S6.7	When delivering inert C&D material to public fill reception facilities, the material shall consist entirely of inert construction waste and of size less than 250mm or other sizes as agreed with the Secretary of the Public Fill Committee. In order to monitor the disposal of the surplus C&D material at the designed public fill reception facility and to control fly tipping, a trip-ticket system should be included as one of the contractual requirements and implemented by an Environmental Team undertaking the Environmental Monitoring and Audit work. An Independent Environmental Checker should be responsible for auditing the results of the system.	Contractor and Independent Environmental Checker	Work site/ During the construction period	Construction stage	^
Cultural Heritage					
S7.8	The dredging activities of the proposed cruise terminal should ensure that disturbance to the existing seawall masonry outside the Project boundary should be avoided as far as practicable.	Developer of cruise terminal	Work site/ During the design and construction of cruise terminal	Design stage and Construction stage	^
7.10, Appendix 7.1	It is recommended that the dredged spoil should be monitored for the presence of archaeological material. Guidelines for the monitoring brief have been prepared in consultation with the AMO. A qualified marine archaeologist needs to be on standby to provide specialist advice, if required, but the monitoring can be carried out by a member of staff of dredging barge.	Developer of cruise terminal/ Contractor for capital dredging	Work site/ during dredging in the construction stage	During construction	^

Remarks: ^ Compliance of mitigation measure
 * Recommendation was made during site audit but improved/rectified by the contractor
 N/A Not Applicable at this stage as no such site activities were conducted in the reporting period

APPENDIX F
SITE AUDIT SUMMARY

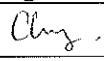

Record Summary of Environmental Site Inspection

Inspection Information

Checklist Reference Number	150602
Date	2 June 2015 (Tuesday)
Time	10:00 - 11:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
150602-R02	<p>A. Water Quality</p> <ul style="list-style-type: none"> • Clear the floating refuse within the silt screen of Cha Kwo Ling water intake regularly. 	B 25
150602-R01	<p>B. Air Quality</p> <ul style="list-style-type: none"> • No environmental deficiency was identified during the site inspection. <p>C. Noise</p> <ul style="list-style-type: none"> • No environmental deficiency was identified during the site inspection. <p>D. Waste/Chemical Management</p> <ul style="list-style-type: none"> • Drip tray and chemical label should be provided to oil drum. (Area 2) <p>E. Cultural Heritage Measures</p> <ul style="list-style-type: none"> • No environmental deficiency was identified during the site inspection. <p>F. Permits/Licences</p> <p>No environmental deficiency was identified during site inspection.</p> <p>G. Others</p> <ul style="list-style-type: none"> • Follow-up on the previous audit session (Ref. No. 150526), all environmental deficiencies were improved/rectified by the Contractor. 	E 3 i

	Name	Signature	Date
Recorded by	KC Chung		2 June 2015
Checked by	Dr. Priscilla Choy		2 June 2015



Record Summary of Environmental Site Inspection

Inspection Information

Checklist Reference Number	150609
Date	9 June 2015 (Tuesday)
Time	10:00 - 12:00

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
150609-001	<p>A. Water Quality</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>B. Air Quality</p> <ul style="list-style-type: none"> Water spraying should be provided for breaking works to suppress dust generation. (Area 2) <p>C. Noise</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>D. Waste/Chemical Management</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>E. Cultural Heritage Measures</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>F. Permits/Licences</p> <p>No environmental deficiency was identified during site inspection.</p> <p>G. Others</p> <ul style="list-style-type: none"> Follow-up on the previous audit session (Ref. No. 150602), all environmental deficiencies were improved/rectified by the Contractor. 	C 11

	Name	Signature	Date
Recorded by	KC Chung		9 June 2015
Checked by	Dr. Priscilla Choy		9 June 2015


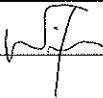
Record Summary of Environmental Site Inspection

Inspection Information

Checklist Reference Number	150618
Date	18 June 2015 (Thursday)
Time	14:00 - 15:00

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
	<p>A. Water Quality</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>B. Air Quality</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>C. Noise</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>D. Waste/Chemical Management</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>E. Cultural Heritage Measures</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>F. Permits/Licences</p> <p>No environmental deficiency was identified during site inspection.</p> <p>G. Others</p> <ul style="list-style-type: none"> Follow-up on the previous audit session (Ref. No. 150609), all environmental deficiencies were improved/rectified by the Contractor. 	

	Name	Signature	Date
Recorded by	Harris Wong		18 June 2015
Checked by	Dr. Priscilla Choy		18 June 2015



Record Summary of Environmental Site Inspection

Inspection Information

Checklist Reference Number	150623
Date	23 June 2015 (Tuesday)
Time	10:00 - 11:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
150623-001	<p>A. Water Quality</p> <ul style="list-style-type: none"> Floating silt curtain should be deployed to enclose the gap between the hopper barge and dredger. <p>B. Air Quality</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>C. Noise</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>D. Waste / Chemical Management</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>E. Cultural Heritage Measures</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>F. Permits / Licences</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>G. Others</p> <ul style="list-style-type: none"> Follow-up on the previous audit session (Ref. No. 150618), no major environmental deficiencies were identified. 	B 27

	Name	Signature	Date
Recorded by	KC Chung		23 June 2015
Checked by	Dr. Priscilla Choy		23 June 2015



Record Summary of Environmental Site Inspection

Inspection Information

Checklist Reference Number	150630
Date	30 June 2015 (Tuesday)
Time	10:00 - 11:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
150630-R01	<p>A. Water Quality</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>B. Air Quality</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>C. Noise</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>D. Waste / Chemical Management</p> <ul style="list-style-type: none"> Drip tray should be provided to chemical containers to prevent chemical spillage. (Area 2) <p>E. Cultural Heritage Measures</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>F. Permits / Licences</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>G. Others</p> <ul style="list-style-type: none"> Follow-up on the previous audit session (Ref. No. 150623), no major environmental deficiencies were identified. 	E 3i

	Name	Signature	Date
Recorded by	KC Chung		30 June 2015
Checked by	Dr. Priscilla Choy		30 June 2015



Record Summary of Environmental Site Inspection

Inspection Information

Checklist Reference Number	150707
Date	7 July 2015 (Tuesday)
Time	10:00 - 11:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
150707-R01	<p>A. Water Quality</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>B. Air Quality</p> <ul style="list-style-type: none"> Water spray should be provided for the stockpile area. (Area 2) <p>C. Noise</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>D. Waste / Chemical Management</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>E. Cultural Heritage Measures</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>F. Permits / Licences</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>G. Others</p> <ul style="list-style-type: none"> Follow-up on the previous audit session (Ref. No. 150630), no major environmental deficiencies were identified. 	C 6

	Name	Signature	Date
Recorded by	KC Chung		7 July 2015
Checked by	Dr. Priscilla Choy		7 July 2015



Record Summary of Environmental Site Inspection

Inspection Information

Checklist Reference Number	150716
Date	16 July 2015 (Thursday)
Time	14:00 - 15:15

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
	<p>A. Water Quality</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>B. Air Quality</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>C. Noise</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>D. Waste / Chemical Management</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>E. Cultural Heritage Measures</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>F. Permits / Licences</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>G. Others</p> <ul style="list-style-type: none"> Follow-up on the previous audit session (Ref. No. 150707), follow-up action is required for item 150707-R01. 	

	Name	Signature	Date
Recorded by	KC Chung		16 July 2015
Checked by	Dr. Priscilla Choy		16 July 2015



Record Summary of Environmental Site Inspection

Inspection Information

Checklist Reference Number	150721
Date	21 July 2015 (Tuesday)
Time	10:00 - 11:45

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
150721-R01	<p>A. Water Quality</p> <ul style="list-style-type: none"> • Clear the stagnant water in drip tray after rain to prevent chemical spillage. <p>B. Air Quality</p> <ul style="list-style-type: none"> • No environmental deficiency was identified during the site inspection. <p>C. Noise</p> <ul style="list-style-type: none"> • No environmental deficiency was identified during the site inspection. <p>D. Waste / Chemical Management</p> <ul style="list-style-type: none"> • No environmental deficiency was identified during the site inspection. <p>E. Cultural Heritage Measures</p> <ul style="list-style-type: none"> • No environmental deficiency was identified during the site inspection. <p>F. Permits / Licences</p> <ul style="list-style-type: none"> • No environmental deficiency was identified during the site inspection. <p>G. Others</p> <ul style="list-style-type: none"> • Follow-up on the previous audit session (Ref. No. 150716), all environmental deficiencies was improved/rectified. 	B 14

	Name	Signature	Date
Recorded by	KC Chung		21 July 2015
Checked by	Dr. Priscilla Choy		21 July 2015



Record Summary of Environmental Site Inspection

Inspection Information

Checklist Reference Number	150728
Date	28 July 2015 (Tuesday)
Time	10:00 - 12:00

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
150728-R01	<p>A. Water Quality</p> <ul style="list-style-type: none"> • Clear the stagnant water in drip tray regularly to prevent accumulation. <p>B. Air Quality</p> <ul style="list-style-type: none"> • No environmental deficiency was identified during the site inspection. <p>C. Noise</p> <ul style="list-style-type: none"> • No environmental deficiency was identified during the site inspection. <p>D. Waste / Chemical Management</p> <ul style="list-style-type: none"> • No environmental deficiency was identified during the site inspection. <p>E. Cultural Heritage Measures</p> <ul style="list-style-type: none"> • No environmental deficiency was identified during the site inspection. <p>F. Permits / Licences</p> <ul style="list-style-type: none"> • No environmental deficiency was identified during the site inspection. <p>G. Others</p> <ul style="list-style-type: none"> • Follow-up on the previous audit session (Ref. No. 150721), follow up action is required for item 150721-R01 which was remarked as 150728-R01. 	B 9

	Name	Signature	Date
Recorded by	KC Chung		28 July 2015
Checked by	Dr. Priscilla Choy		28 July 2015


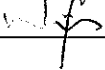
Record Summary of Environmental Site Inspection

Inspection Information

Checklist Reference Number	150804
Date	4 August 2015 (Tuesday)
Time	10:00 - 11:45

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
150804-001	<p>A. Water Quality</p> <ul style="list-style-type: none"> Silt curtain should be properly deployed to enclose the dredger during operation. <p>B. Air Quality</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>C. Noise</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>D. Waste / Chemical Management</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>E. Cultural Heritage Measures</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>F. Permits / Licences</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>G. Others</p> <ul style="list-style-type: none"> Follow-up on the previous audit session (Ref. No. 150728), all environmental deficiencies were improved/rectified by the Contractor. 	B 29

	Name	Signature	Date
Recorded by	KC Chung		4 August 2015
Checked by	Dr. Priscilla Choy		4 August 2015



Record Summary of Environmental Site Inspection

Inspection Information

Checklist Reference Number	150811
Date	11 August 2015 (Tuesday)
Time	10:00 - 11:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
	<p>A. Water Quality</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>B. Air Quality</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>C. Noise</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>D. Waste / Chemical Management</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>E. Cultural Heritage Measures</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>F. Permits / Licences</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>G. Others</p> <ul style="list-style-type: none"> Follow-up on the previous audit session (Ref. No. 150804), all environmental deficiencies were improved/rectified by the Contractor. 	

	Name	Signature	Date
Recorded by	KC Chung		11 August 2015
Checked by	Dr. Priscilla Choy		11 August 2015



Record Summary of Environmental Site Inspection

Inspection Information

Checklist Reference Number	150820
Date	20 August 2015 (Thursday)
Time	14:00 - 14:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
150820-R01	<p>A. Water Quality</p> <ul style="list-style-type: none"> • Clear the stagnant water accumulated on the drip tray for generator after rain. (Area 2) <p>B. Air Quality</p> <ul style="list-style-type: none"> • No environmental deficiency was identified during the site inspection. <p>C. Noise</p> <ul style="list-style-type: none"> • No environmental deficiency was identified during the site inspection. <p>D. Waste / Chemical Management</p> <ul style="list-style-type: none"> • No environmental deficiency was identified during the site inspection. <p>E. Cultural Heritage Measures</p> <ul style="list-style-type: none"> • No environmental deficiency was identified during the site inspection. <p>F. Permits / Licences</p> <ul style="list-style-type: none"> • No environmental deficiency was identified during the site inspection. <p>G. Others</p> <ul style="list-style-type: none"> • Follow-up on the previous audit session (Ref. No. 150811), no major environmental deficiency was identified. 	B 14

	Name	Signature	Date
Recorded by	KC Chung		20 August 2015
Checked by	Dr. Priscilla Choy		20 August 2015



Record Summary of Environmental Site Inspection

Inspection Information

Checklist Reference Number	150825
Date	25 August 2015 (Tuesday)
Time	10:00 - 11:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
	<p>A. Water Quality</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>B. Air Quality</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>C. Noise</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>D. Waste / Chemical Management</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>E. Cultural Heritage Measures</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>F. Permits / Licences</p> <ul style="list-style-type: none"> No environmental deficiency was identified during the site inspection. <p>G. Others</p> <ul style="list-style-type: none"> Follow-up on the previous audit session (Ref. No. 150820), all environmental deficiency was rectified/improved by the Contractor. 	

	Name	Signature	Date
Recorded by	KC Chung		25 August 2015
Checked by	Dr. Priscilla Choy		25 August 2015

APPENDIX G
SUMMARY OF EXCEEDANCE

Appendix G - Exceedance Report

Exceedance Report for Water Quality

Environmental Monitoring	Parameter	No. of Exceedance		No. of Exceedance related to the Dredging Activities of this Project	
		Action Level	Limit Level	Action Level	Limit Level
Water Quality	Turbidity	0	0	0	0
	Suspended Solids (SS)	0	0	0	0

**APPENDIX H
COMPLAINT LOG**

Appendix H - Complaint Log

Log Ref.	Location	Received Date	Details of Complaint	Investigation/ Mitigation Action	Status
--	--	--	--	--	--