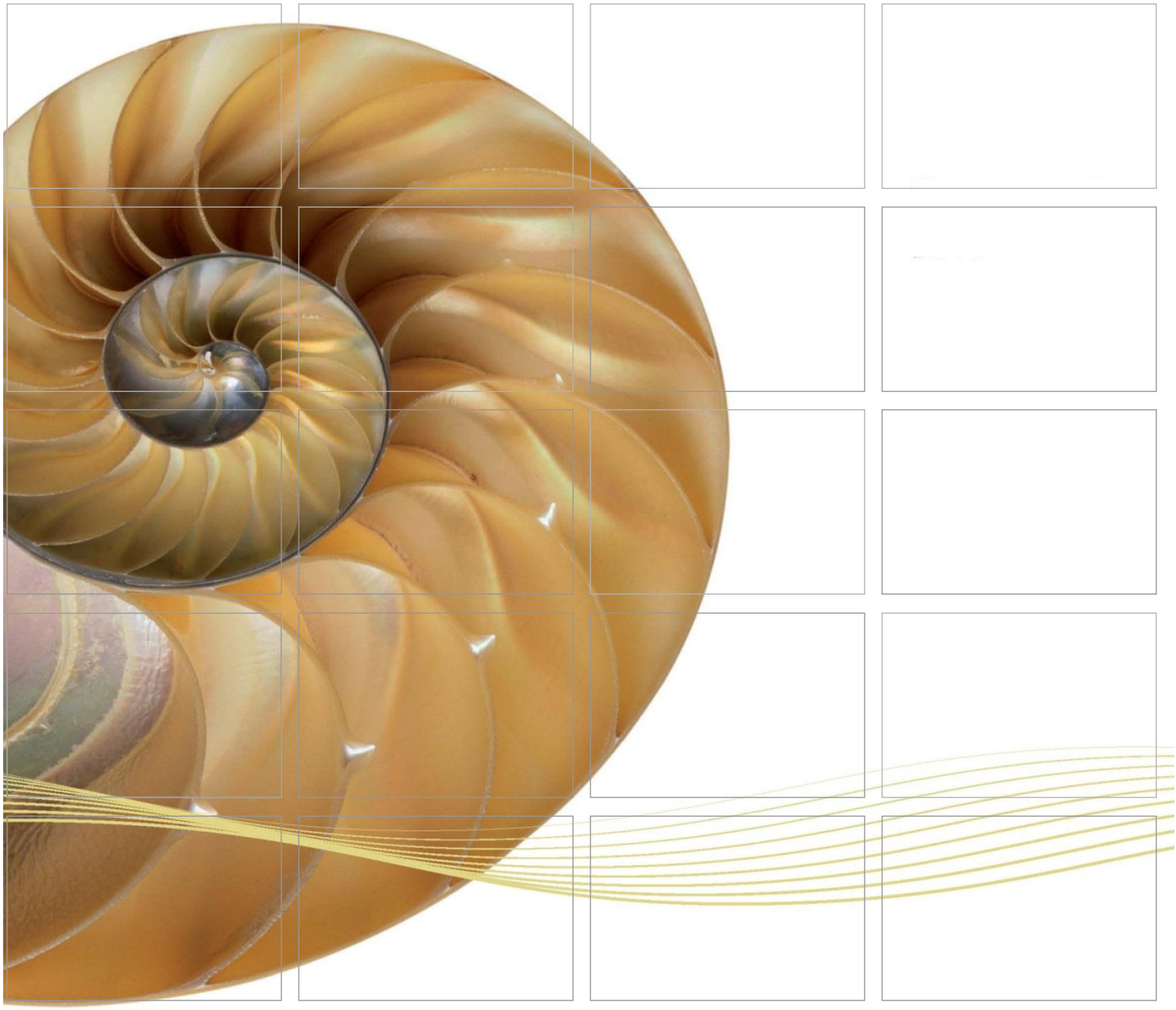
REPORT



Contract No. HY/2012/07
Tuen Mun – Chek Lap Kok Link – Southern Connection Viaduct Section

Twenty-first Monthly EM&A Report

12 August 2015

Environmental Resources Management
16/F, Berkshire House
25 Westlands Road
Quarry Bay, Hong Kong
Telephone 2271 3000
Facsimile 2723 5660

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The world's leading sustainability consultancy

Contract No. HY/2012/07
Tuen Mun – Chek Lap Kok Link – Southern Connection Viaduct Section

Twenty-first Monthly EM&A Report

Environmental Resources Management

16/F, Berkshire House
25 Westlands Road
Quarry Bay, Hong Kong
Telephone: (852) 2271 3000
Facsimile: (852) 2723 5660
E-mail: post.hk@erm.com
http://www.erm.com

Document Code: 0215660_21st Monthly EM&A 20150812.doc

Client:	Project No:
Gammon	0215660
Summary:	Date: 12 August 2015
This document presents the Twenty-first Monthly EM&A Report for Tuen Mun – Chek Lap Kok Link – Southern Connection Viaduct Section.	Approved by: *Mr Craig Reid* *Partner*
	Certified by: *Mr Jovy Tam* *ET Leader*

Revision	Description	By	Checked	Approved	Date
	Twenty-first Monthly EM&A Report	VAR	JT	CAR	12/08/15

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RAMBOLL ENVIRON

Ref.: HYDHZMBEEM00_0_3270L.15

13 August 2015

AECOM
Supervising Officer's Representative's Office
780 Cheung Tung Road, Lantau, N.T.

By Fax (3691 2899) and By Post

Attention: Mr. Daniel Ip

Dear Mr. Ip,

Re: Agreement No. CE 48/2011 (EP)
Environmental Project Office for the
HZMB Hong Kong Link Road, HZMB Hong Kong Boundary Crossing Facilities, and Tuen Mun-Chek Lap Kok Link – Investigation

Contract No. HY/2012/07 TM-CLKL Southern Connection Viaduct Section
Monthly EM&A Report for July 2015 (EP-354/2009/D)

Reference is made to the Monthly Environmental Monitoring and Audit (EM&A) Report (July 2015) certified by the ET Leader (ET's ref.: "0215660_21st Monthly EM&A 20150812.doc" dated 12 August 2015) and provided to us via e-mail on 12 August 2015.

We have no adverse comments on the captioned monthly EM&A report. We write to verify the captioned submission in accordance with Condition 4.4 of EP-354/2009/D.

Thank you for your kind attention. Please do not hesitate to contact the undersigned or the ENPO Leader Mr. Y. H. Hui should you have any queries.

Yours sincerely,

F. C. Tsang
Independent Environmental Checker
Tuen Mun – Chek Lap Kok Link

c.c. HyD – Mr. Stephen Chan (By Fax: 3188 6614)
HyD – Mr. Matthew Fung (By Fax: 3188 6614)
AECOM – Mr. Conrad Ng (By Fax: 3922 9797)
ERM – Mr. Jovy Tam (By Fax: 2723 5660)
Gammon – Mr. Roy Leung (By Fax: 3520 0486)

Internal: DY, YH, LP, CL, ENPO Site

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Ramboll Environ Hong Kong Limited 英環香港有限公司
Room 2403, 24/F., Jubilee Centre, 18 Fenwick Street, Wanchai, Hong Kong Tel: 852.3465 2888 Fax: 852.3465 2899
www.Ramboll-Environ.com

TABLE OF CONTENTS

List of Appendices

Under *Contract No. HY/2012/07*, Gammon Construction Limited (GCL) is commissioned by the Highways Department (HyD) to undertake the design and construction of the Southern Connection Viaduct Section of the Tuen Mun – Chek Lap Kok Link Project (TM-CLK Link Project) while AECOM Asia Company Limited was appointed by HyD as the Supervising Officer. For implementation of the environmental monitoring and audit (EM&A) programme under the Contract, ERM-Hong Kong, Limited (ERM) has been appointed as the Environmental Team (ET). Ramboll Environ Hong Kong Ltd. was employed by the HyD as the Independent Environmental Checker (IEC) and Environmental Project Office (ENPO) in accordance with *Environmental Permit No. EP-354/2009/A*. Further applications for variation of environmental permit (VEP), *EP-354/2009/B*, *EP-354/2009/C* and *EP-354/2009/D*, were granted on 28 January 2014, 10 December 2014 and 13 March 2015, respectively.

The construction phase of the Contract commenced on 31 October 2013 and will tentatively be completed by 2018. The impact monitoring of the EM&A programme, including air quality, noise, water quality and marine ecological monitoring as well as environmental site inspections, commenced on 31 October 2013.

This is the Twenty-first Monthly EM&A report presenting the EM&A works carried out during the period from 1 to 31 July 2015 for the Southern Connection Viaduct Section in accordance with the Updated EM&A Manual of the TM-CLK Link Project. As informed by the Contractor, major activities in the reporting period included:

Marine Works

- Construction and installation of pile caps;
- Uninstallation of marine piling platform;
- Pile cap installation;
- Pier construction;
- Launching gantry assembly;
- Marine piling; and,
- Installation of pier head segment.

Land-based Works

- Predrilling at Viaduct F;
- Construction and installation of pile caps;
- Pier construction;
- Pile cap installation;
- Re-alignment of Cheung Tung Road;
- Land piling;
- Pre-drilling works;
- Installation of pier head segment;

- Additional land GI, trial pits & lab testing;
- Relocation of MTRC fence; and,
- Slope work of Viaducts A & B.

A summary of monitoring and audit activities conducted in the reporting period is listed below:

24-hour TSP monitoring	6 sessions
1-hour TSP monitoring	6 sessions
Noise monitoring	6 sessions
Impact Water Quality Monitoring	12 sessions
Impact Dolphin Monitoring	2 sessions
Joint Environmental site inspection	5 sessions

Breaches of Action and Limit Levels for Air Quality

No exceedance of Action and Limit Levels was recorded for construction air monitoring in the reporting month.

Breaches of Action and Limit Levels for Noise

No exceedance of Action and Limit Levels was recorded for construction noise monitoring in the reporting month.

Breaches of Action and Limit Levels for Water Quality

No exceedance of Action and Limit Levels was recorded for water quality impact monitoring in the reporting period.

Impact Dolphin Monitoring

During this month of dolphin monitoring, no unacceptable impact from the construction activities of the TM-CLKL Southern Connection Viaduct Section on Chinese White Dolphins was noticeable from general observations. Due to monthly variation in dolphin occurrence within the study area, it would be more appropriate to draw conclusion on whether any impacts on dolphins have been detected related to the construction activities of the TM-CLKL Southern Connection Viaduct Section in the quarterly EM&A reports, where comparison on distribution, group size and encounter rates of dolphins between the quarterly impact monitoring period and baseline monitoring period will be made.

Daily marine mammal exclusion zone monitoring was undertaken during the period of marine works under this Contract. No Passive Acoustic Monitoring (PAM) was implemented as the marine works were not carried out outside the daylight hours in this reporting month. No sighting of the

Indo-Pacific humpback dolphin *Sousa chinensis* (i.e. Chinese White Dolphin) was recorded in July 2015 during the exclusion zone monitoring.

Environmental Complaints, Non-compliance & Summons

There was no environmental complaint, notification of summons or successful prosecution recorded in the reporting period.

Reporting Change

There was no reporting change in the reporting period.

Upcoming Works for the Next Reporting Period

Works to be undertaken in the next monitoring period of August 2015 include the following:

Marine Works

- Construction and installation of pile caps;
- Uninstallation of marine piling platform;
- Pile cap installation;
- Pier construction;
- Launching gantry assembly;
- Marine piling and
- Installation of pier head segment

Land-based Works

- Predrilling at Viaduct F;
- Construction and installation of pile caps;
- Pier construction;
- Pile cap installation;
- Re-alignment of Cheung Tung Road;
- Land piling;
- Pre-drilling works;
- Installation of pier head segment;
- Additional land GI, trial pits & lab testing;
- Relocation of MTRC fence; and
- Slope work of Viaducts A & B.

F**uture Key Issues**

Potential environmental impacts arising from the above upcoming construction activities in the next reporting month of August 2015 are mainly associated with dust, noise, marine water quality, marine ecology and waste management issues.

1 INTRODUCTION

1.1 BACKGROUND

According to the findings of the Northwest New Territories (NWNT) Traffic and Infrastructure Review conducted by the Transport Department, Tuen Mun Road, Ting Kau Bridge, Lantau Link and North Lantau Highway would be operating beyond capacity after 2016. This forecast has been based on the estimated increase in cross boundary traffic, developments in the Northwest New Territories (NWNT), and possible developments in North Lantau, including the Airport developments, the Lantau Logistics Park (LLP) and the Hong Kong – Zhuhai – Macao Bridge (HZMB). In order to cope with the anticipated traffic demand, two new road sections between NWNT and North Lantau – Tuen Mun – Chek Lap Kok Link (TM-CLKL) and Tuen Mun Western Bypass (TMWB) are proposed.

An Environmental Impact Assessment (EIA) of TM-CLKL (the Project) was prepared in accordance with the EIA Study Brief (No. ESB-175/2007) and the *Technical Memorandum of the Environmental Impact Assessment Process* (*EIAO-TM*). The EIA Report was submitted under the Environmental Impact Assessment Ordinance (EIAO) in August 2009. Subsequent to the approval of the EIA Report (EIAO Register Number AEIAR-146/2009), an Environmental Permit (*EP-354/2009*) for TM-CLKL was granted by the Director of Environmental Protection (DEP) on 4 November 2009, and EP variation (*EP-354/2009/A*) was issued on 8 December 2010.

Under *Contract No. HY/2012/07*, Gammon Construction Limited (GCL) is commissioned by the Highways Department (HyD) to undertake the design and construction of the Southern Connection Viaduct Section of TM-CLKL ("the Contract") while AECOM Asia Company Limited was appointed by HyD as the Supervising Officer. For implementation of the environmental monitoring and audit (EM&A) programme under the Contract, ERM-Hong Kong, Limited (ERM) has been appointed as the Environmental Team (ET). Ramboll Environ Hong Kong Ltd. was employed by HyD as the Independent Environmental Checker (IEC) and Environmental Project Office (ENPO) in accordance with *Environmental Permit No. EP-354/2009/A*. Further applications for variation of environmental permit (VEP), *EP-354/2009/B*, *EP-354/2009/C* and *EP-354/2009/D*, were granted on 28 January 2014, 10 December 2014 and 13 March 2015, respectively.

The construction phase of the Contract commenced on 31 October 2013 and will be tentatively completed by 2018. The impact monitoring phase of the EM&A programme, including air quality, noise, water quality and marine ecological monitoring as well environmental site inspections, commenced on 31 October 2013.

The general layout plan of the Contract components is presented in *Figures 1.1 & 1.2a to l.*

大小磨刀
THE BROTHERS

鹿頸灣
LUK KENG BAY

鹿頸村
Luk Keng Tsuen

陰仔灣
YAM TSAI WAN

欣澳灣
YAN O WAN

陰仔
Yam Tsai

打棚埔
Ta Pang Po

欣澳篤
YAN O TUK

Site Office WA5

匙羹洲
TSZ KAN CHAU

東葉坑
Tung Yip Hang

深水角
Sham Shui Kok

四白坳
SZE PAK AU

犁壁山
LAI PIK SHAN

三白坳
SAM PAK AU

大輋峒
TAI CHE TUNG

濾水廠
Water Treatment Works

污水處理廠
Sewage Treatment Works

小蠔灣
SIU HO WAN

三白
Sam Pak

三白灣
SAM PAK WAN

牛頭灣
NGAU TAU WAN

鐵路車廠
Railway Depot

二白坳
YI PAK AU

時峰
Neo Horizon

尚堤
Chianti

津堤
Amalfi

海澄湖畔
Siena

頤峰

大白灣
DISCOVERY BAY
(TAI PAK WAN)

榴花峒
LAU FA TUNG

二白灣
YI PAK WAN

Greenvale Village

明翠台
Parkridge Village

蟹鉗咀
Hai Kam Tsui

蔚陽
Headland Village

愉景灣
Discovery Bay

老虎頭
LO FU TAU

碧濤

畔峰
Midvale Village

Beach Village

大白咀
Tai Pak Tsui

菜園灣
TSOI YUEN WAN

海堤居
La Costa

寶峰
Parkvale Village

大蠔灣
TAI HO WAN

白芒
Pak Mong

大蠔

海蝶居
La Vista

Hillgrove Village

海鄰居
La Serene

N

Kilometers
0 0.5 1

Key
Site Boundary

Figure 1.1

General Layout Plan of the Project

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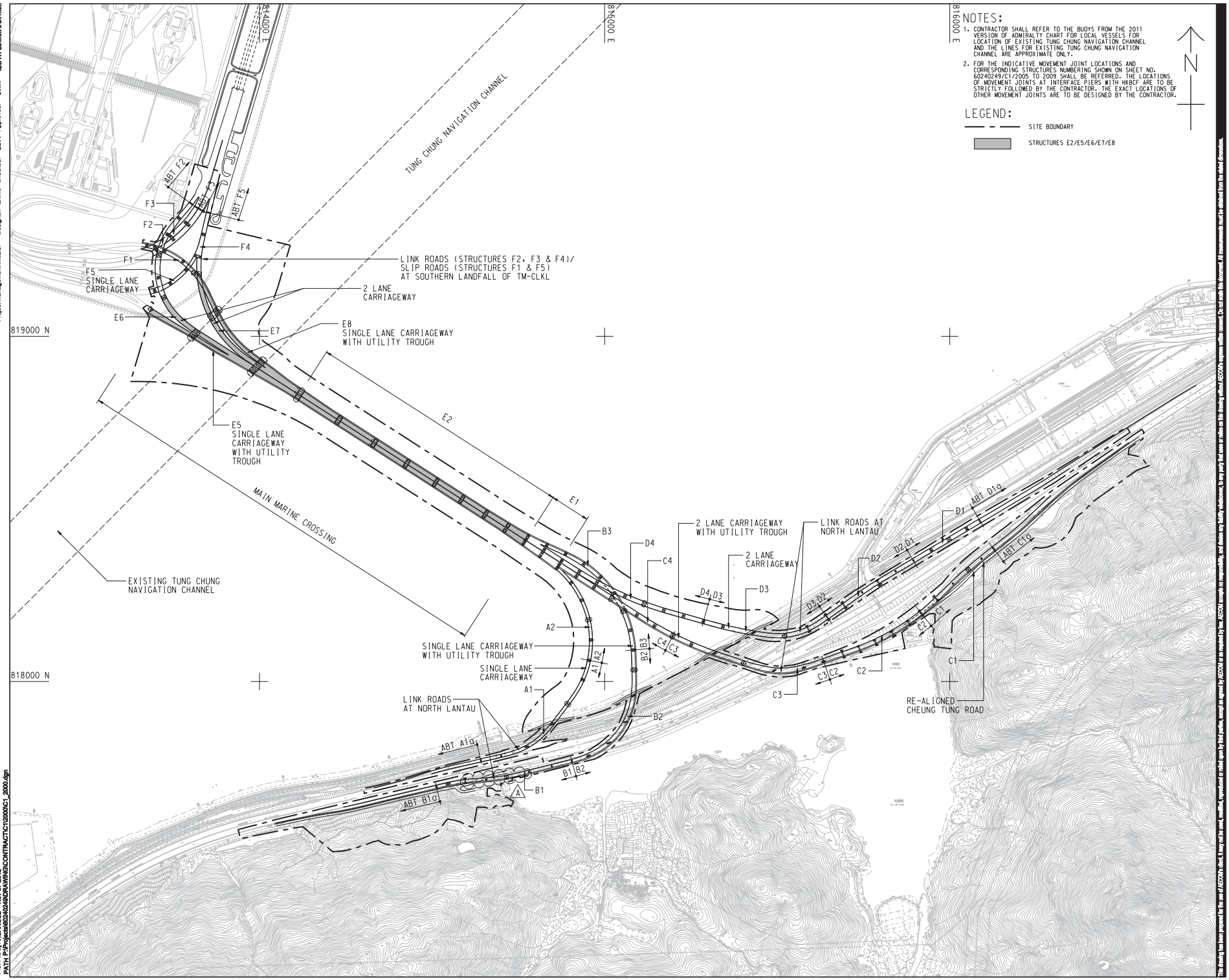
Environmental Resources Management

ERM



AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT TITLE
TUEN MUN - CHEK LAP KOK LINK - SOUTHERN CONNECTION VIADUCT SECTION

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

CONSULTANT
AECOM Asia Company Ltd.
www.aecom.com

SUB-CONSULTANTS

Figure 1.2a

ISSUE/REVISION

IR	DATE	DESCRIPTION	CHK.
A	NOV. 12	TENDER ADDENDUM NO. 1	CWN
-	OCT. 12	TENDER DRAWING	CWN

STATUS

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DIMENSION UNIT: METRES

KEY PLAN

PROJECT NO.: 60240249
CONTRACT NO.: HY/2012/07

SHEET TITLE
SOUTHERN CONNECTION GENERAL LAYOUT PLAN

SHEET NUMBER
60240249/C1/2000A

Project Management Initials: Designer: LKWB Checked: SLYY Approved: CWN ISO A1 594mm x 841mm CWN

Plot File by: HUANGC2 Nov-07-2012
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KEY PLAN

NOTES

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LEGEND

- SITE BOUNDARY
- GF1 FAULT

EXISTING G.I.STATIONS :

- BOREHOLE BY GIU DATA EXCLUDING VC
- BOREHOLE BY GCL CONTRACT HY/2012/04
- BOREHOLE BY GCL CONTRACT NL8/97
- BOREHOLE BY GCL CONTRACT HY/2009/23
- TRIAL PIT BY GCL CONTRACT HY/2012/04
- SLOPE STRIPPING BY GCL CONTRACT HY/2012/04

PROPOSED G.I.STATIONS :

- PBH01 PROPOSED BOREHOLE
- TP01 PROPOSED TRIAL PIT
- CH01 PROPOSED COREHOLE
- SS01 SS02 PROPOSED SLOPE STRIPPING

MATCH LINE
FOR CONTINUATION
SEE DRG J3518/P/OAP/04/01101

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1 : 1000

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B	SUBMISSION	RC	07/13				
C	SUBMISSION	RC	09/13				

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Checked: DS — Approved: DOP
Scale: 1:1000 @ A1 / 1:2000 @ A3

Client: 路政署 HIGHWAYS DEPARTMENT, Hong Kong - Zhuhai - Macao Bridge Hong Kong Project Management Office

Supervising Officer: AECOM

Contractor: Gammon

Originator: ARUP

Project Title: Contract No. HY/2012/07
Tuen Mun - Chek Lap Kok Link
Southern Connection Viaduct Section

Drawing title: **Figure 1.2b**

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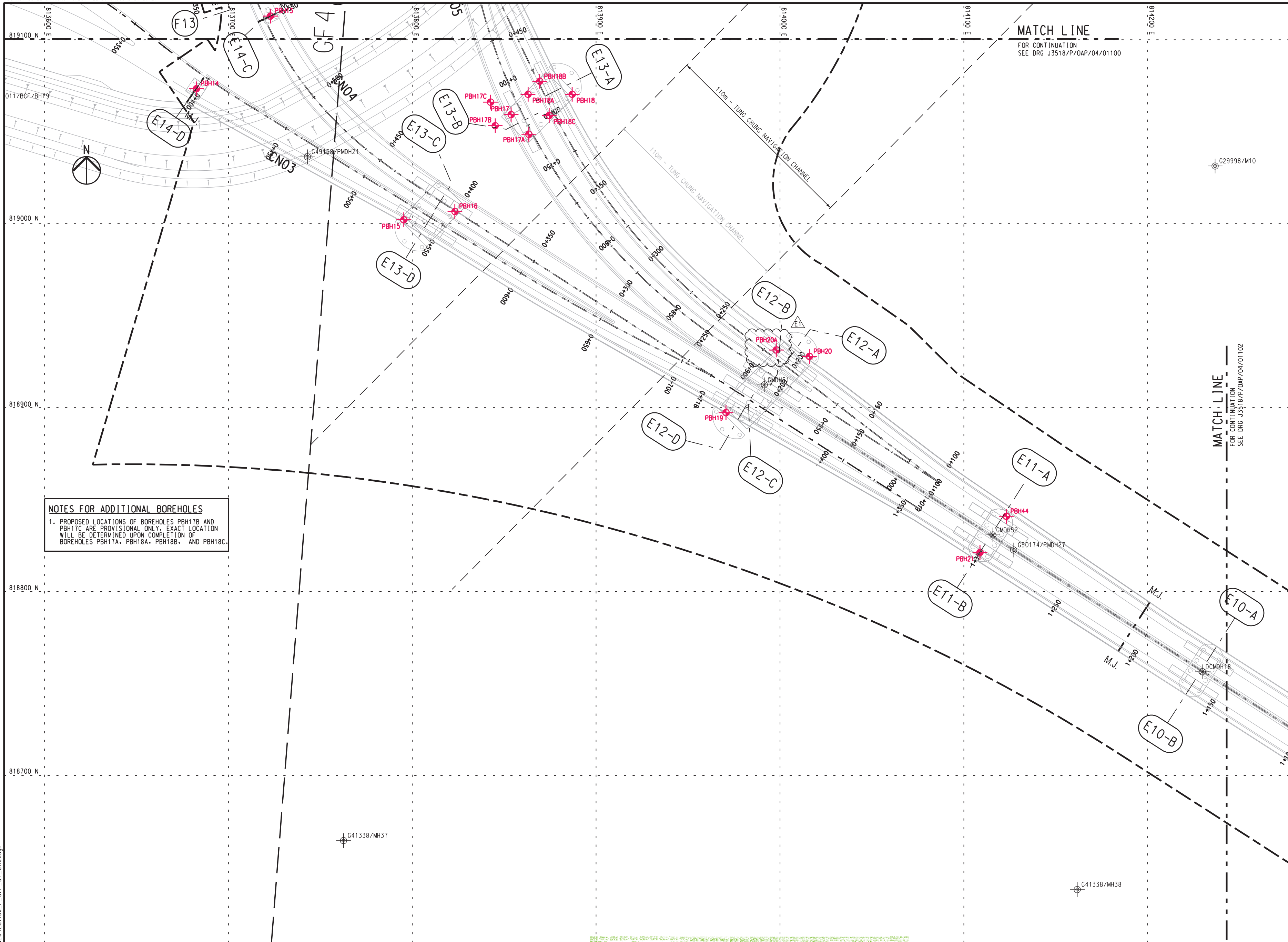

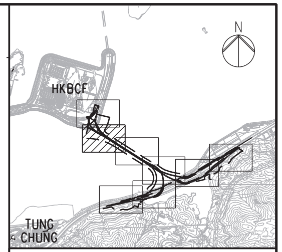

KEY PLAN

NOTES

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LEGEND

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- GF1 FAULT
- EXISTING G.I.STATIONS :
  - BOREHOLE BY GIU DATA EXCLUDING VC
  - BOREHOLE BY GCL CONTRACT HY/2012/04
  - BOREHOLE BY GCL CONTRACT NL8/97
  - BOREHOLE BY GCL CONTRACT HY/2009/23
  - TRIAL PIT BY GCL CONTRACT HY/2012/04
  - SLOPE STRIPPING BY GCL CONTRACT HY/2012/04
- PROPOSED G.I.STATIONS :
  - PBH01 PROPOSED BOREHOLE
  - TP01 PROPOSED TRIAL PIT
  - CH01 PROPOSED COREHOLE
  - SS01 SS02 PROPOSED SLOPE STRIPPING

NOTES FOR ADDITIONAL BOREHOLES

1. PROPOSED LOCATIONS OF BOREHOLES PBH17B AND PBH17C ARE PROVISIONAL ONLY. EXACT LOCATION WILL BE DETERMINED UPON COMPLETION OF BOREHOLES PBH17A, PBH18A, PBH18B, AND PBH18C.

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C	SUBMISSION	RC	09/13				
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E1	FOR INTERNAL REVIEW	RC	11/13				

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Client: 路政署 HIGHWAYS DEPARTMENT 港珠澳大橋香港工程管理處 Hong Kong - Zhuhai - Macao Bridge Hong Kong Project Management Office

Supervising Officer: AECOM

Contractor: Gammon

Project Title: Contract No. HY/2012/07 Tuen Mun - Chek Lap Kok Link Southern Connection Viaduct Section

Originator: ARUP

Drawing title: **Figure 1.2c**

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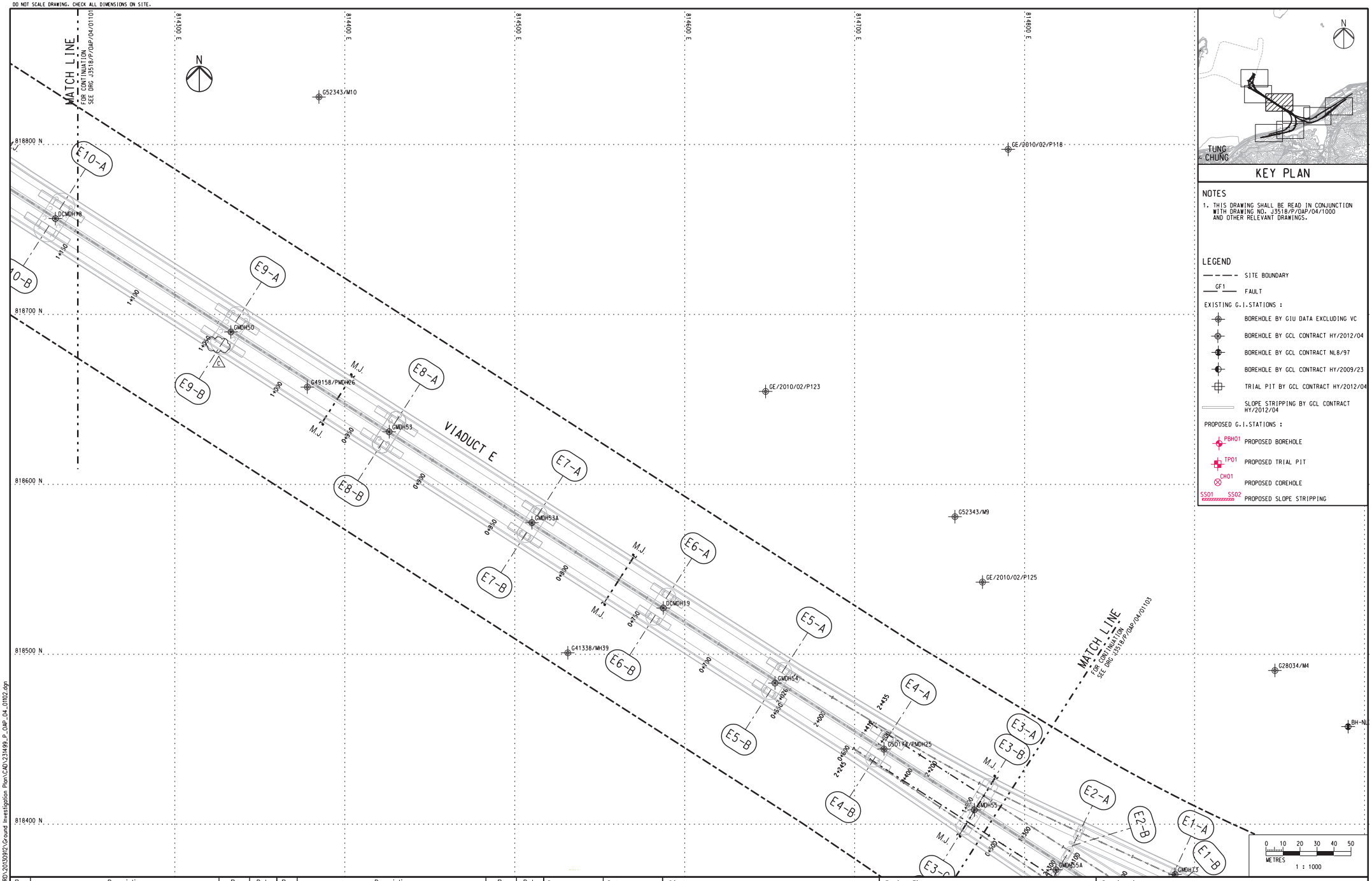

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Client: 路政署 HIGHWAYS DEPARTMENT 港珠澳大橋香港工程管理處 Hong Kong-Zhuhai-Macao Bridge Hong Kong Project Management Office

Project Title: Contract No. HY/2012/07
Tuen Mun - Chek Lap Kok Link
Southern Connection Viaduct Section

Supervising Officer: AECOM
Contractor: Gammon
Originator: ARUP

Drawing title: **Figure 1.2d**

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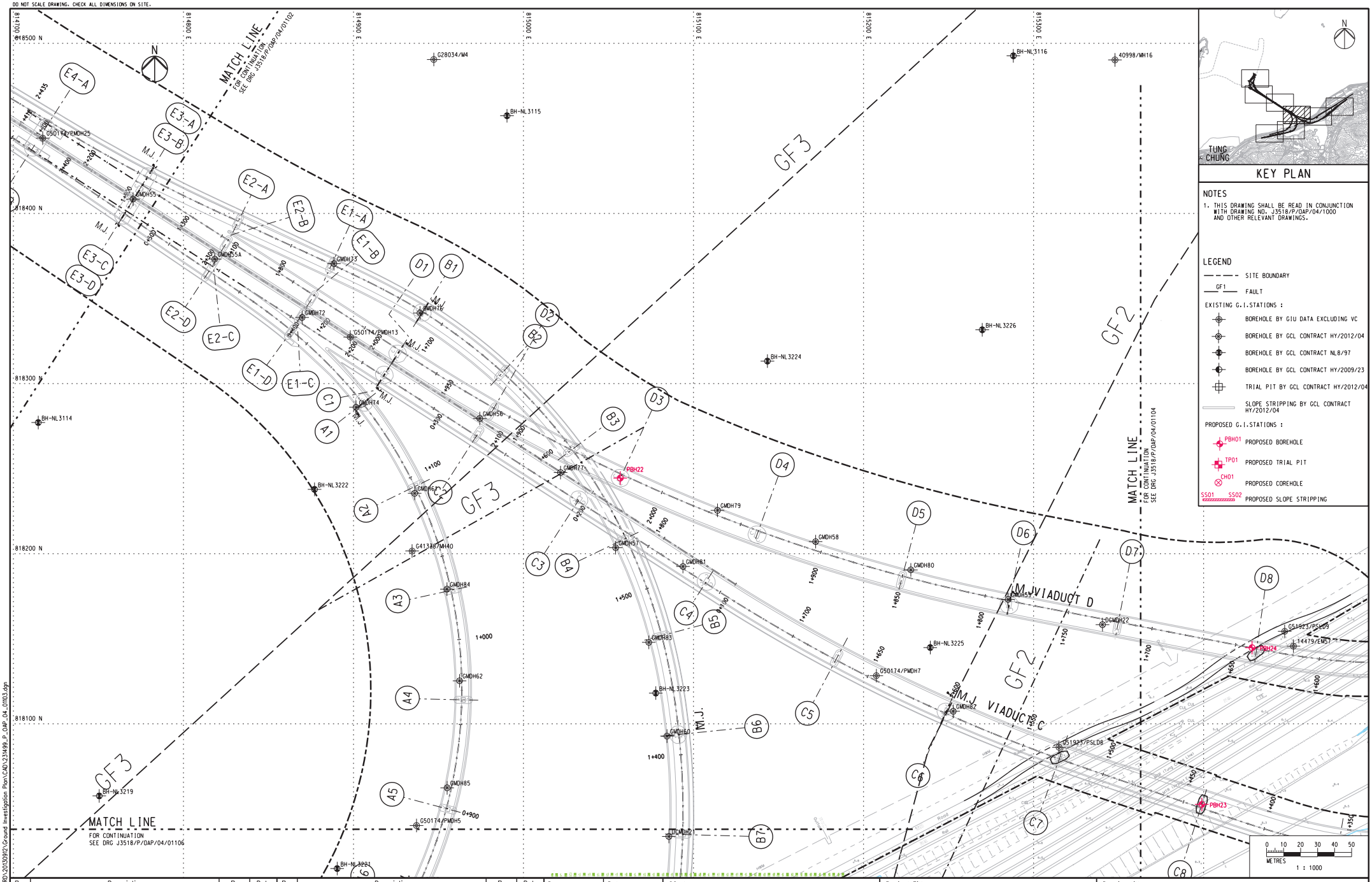

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C	SUBMISSION	RC	09/13				

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Client: 路政署 HIGHWAYS DEPARTMENT 港珠澳大橋香港工程管理處 Hong Kong - Zhuhai - Macao Bridge Hong Kong Project Management Office

Project Title: Contract No. HY/2012/07 Tuen Mun - Chek Lap Kok Link Southern Connection Viaduct Section

Supervising Officer: AECOM
Contractor: Gammon
Originator: ARUP

Drawing title: **Figure 1.2e**

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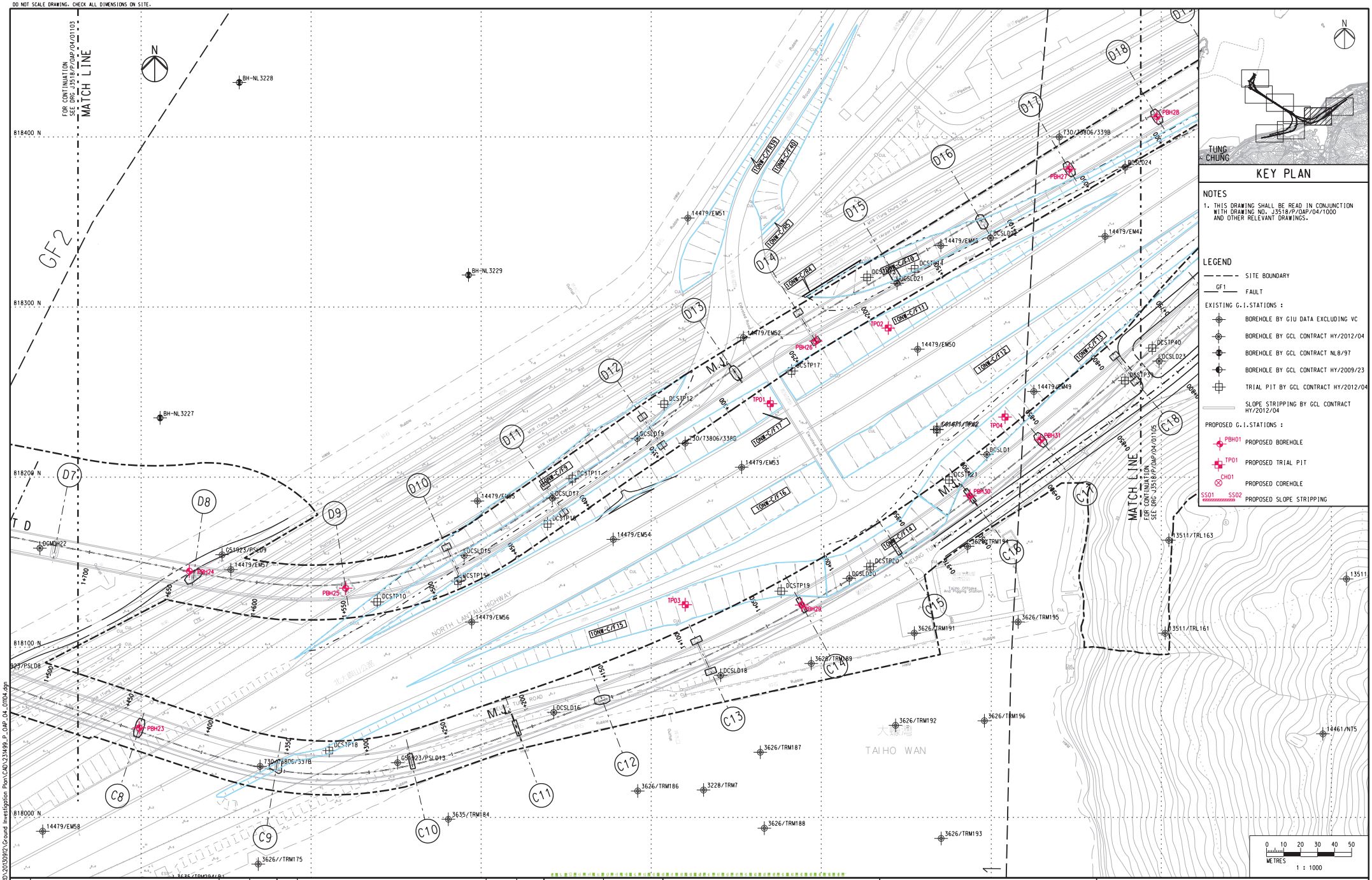

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Project Title: Contract No. HY/2012/07 Tuen Mun - Chek Lap Kok Link Southern Connection Viaduct Section

Supervising Officer: AECOM

Contractor: Gammon

Originator: ARUP

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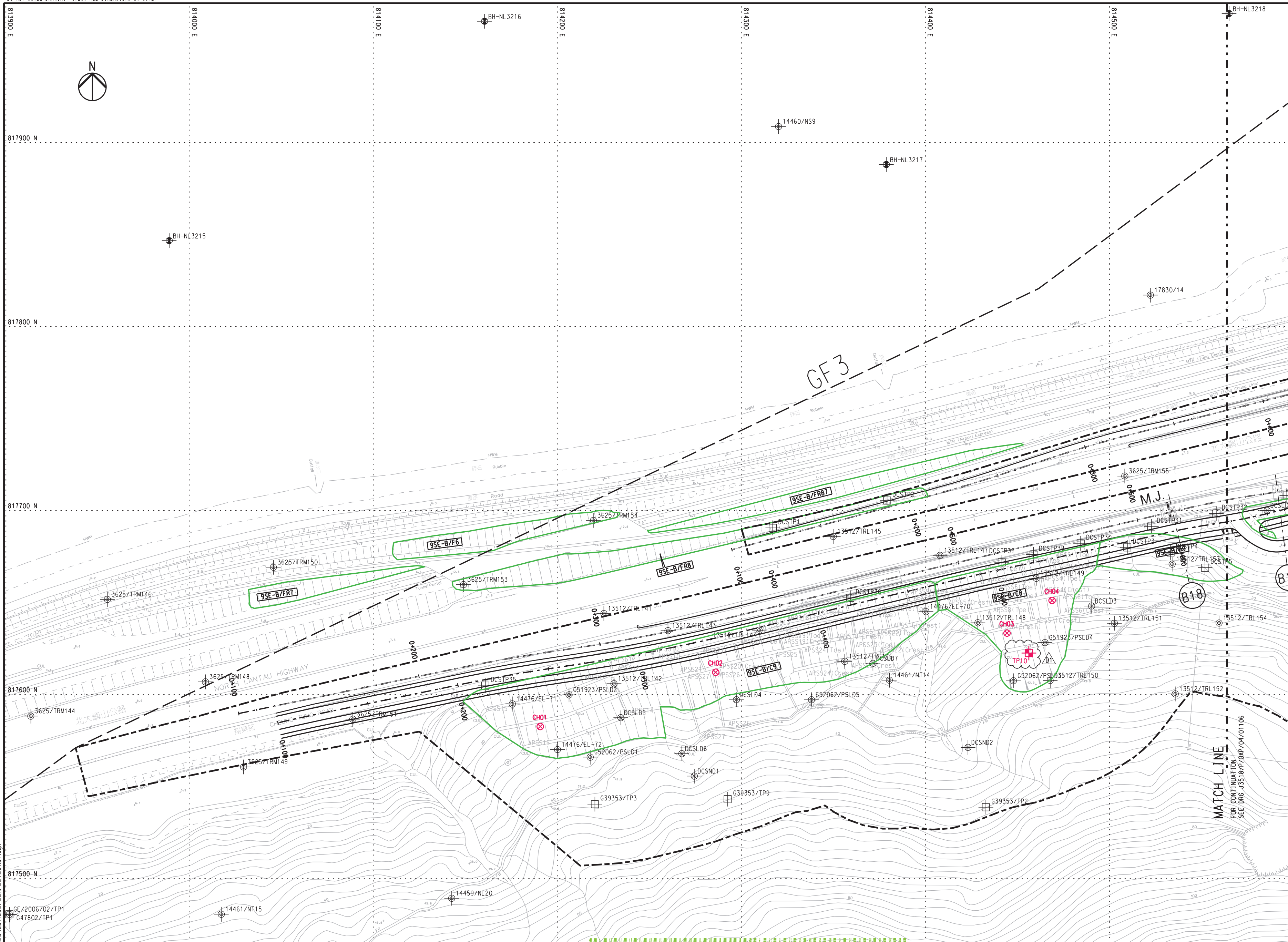

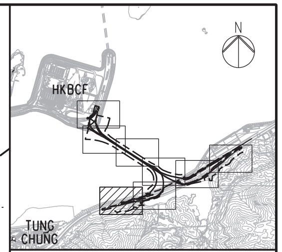

KEY PLAN

NOTES

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LEGEND

- SITE BOUNDARY
- GF1 FAULT
- EXISTING G.I.STATIONS :
  - BOREHOLE BY GIU DATA EXCLUDING VC
  - BOREHOLE BY GCL CONTRACT HY/2012/04
  - BOREHOLE BY GCL CONTRACT NL8/97
  - BOREHOLE BY GCL CONTRACT HY/2009/23
  - TRIAL PIT BY GCL CONTRACT HY/2012/04
  - SLOPE STRIPPING BY GCL CONTRACT HY/2012/04
- PROPOSED G.I.STATIONS :
  - PBH01 PROPOSED BOREHOLE
  - TP01 PROPOSED TRIAL PIT
  - CH01 PROPOSED COREHOLE
  - SS01 SS02 PROPOSED SLOPE STRIPPING

Rev	Description	By	Date
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B	SUBMISSION	RC	07/13
C	SUBMISSION	RC	09/13
D1	FOR INTERNAL REVIEW	RC	11/13

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DS	DOP

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Client: 路政署 HIGHWAYS DEPARTMENT 港珠澳大橋香港工程管理處 Hong Kong - Zhuhai - Macao Bridge Hong Kong Project Management Office

Supervising Officer: AECOM

Contractor: Gammon

Originator: ARUP

Project Title: Contract No. HY/2012/07 Tuen Mun - Chek Lap Kok Link Southern Connection Viaduct Section

Drawing title:

Figure 1.2g

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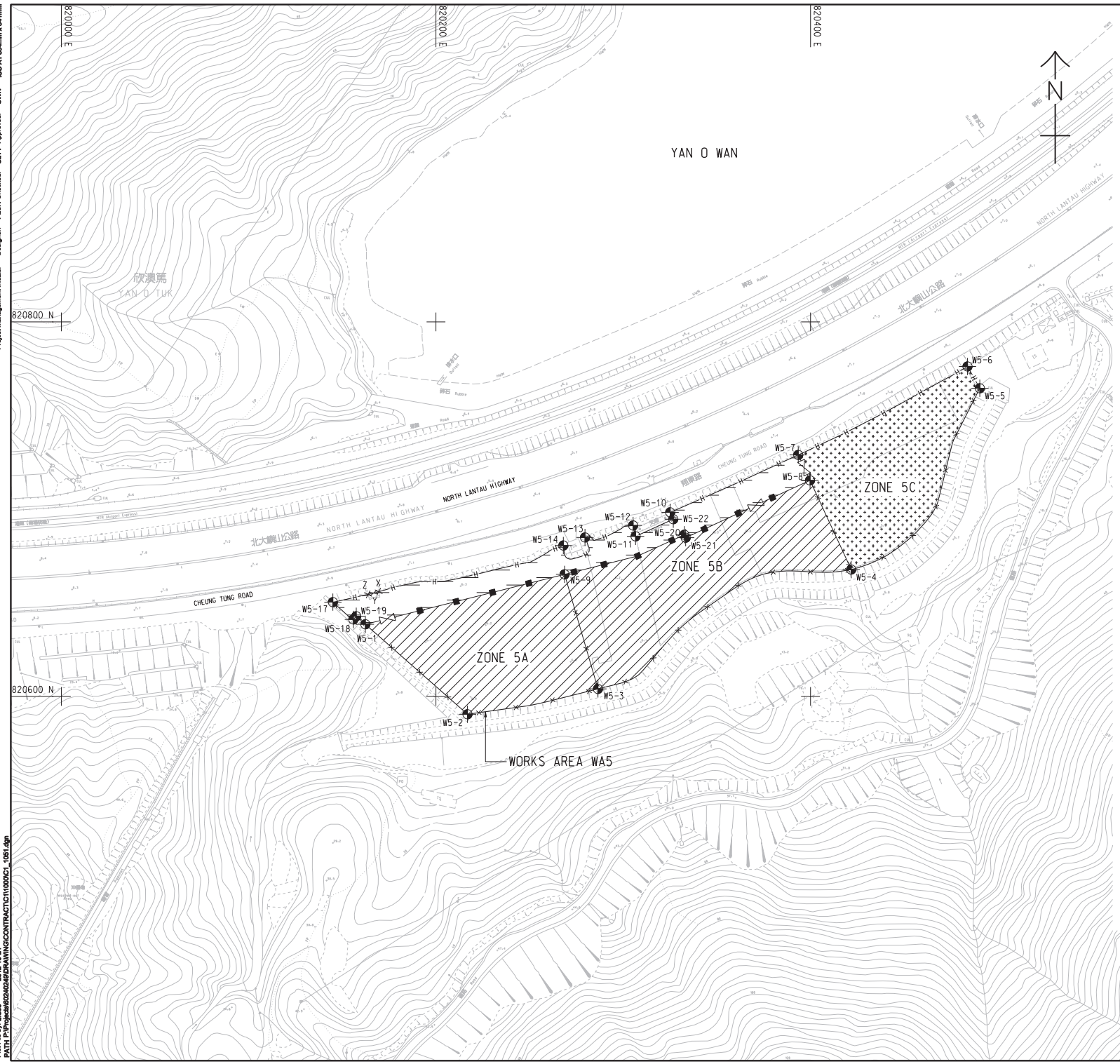

NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE WORKS AREA KEY PLAN IN SHEET NO. 60240249/C1/1000.
2. THE SETTING OUT INFORMATION AND WORKS AREA CONDITIONS SHOWN IN THIS DRAWING ARE FOR REFERENCE ONLY. THE WORKS AREA BOUNDARY SHALL BE IN ACCORDANCE WITH THE ENGINEERING CONDITIONS FOR TEMPORARY GOVERNMENT LAND ALLOCATION NO. TIS 619. IN CASE OF DISCREPANCY BETWEEN THE BOUNDARY SHOWN ON THIS DRAWING AND THE BOUNDARY INDICATED ON THE ENGINEERING CONDITIONS, THE LATTER SHALL PREVAIL.
3. DEMARCATION OF THE WORKS AREA SHALL BE DETERMINED ON SITE.
4. REFER TO HIGHWAYS DEPARTMENT STANDARD DRAWING NOS. H6110 AND H6111 FOR DETAILS OF HOARDING.
5. REFER TO HIGHWAYS DEPARTMENT STANDARD DRAWING NOS. H6121 AND H6122 FOR DETAILS OF CHAIN LINK FENCE.
6. REFER TO HIGHWAYS DEPARTMENT STANDARD DRAWING NO. H6121 FOR DETAILS OF GATE.
7. CHAIN LINK FENCE SHALL BE ERECTED ALONG THE WORKS AREA BOUNDARY. THE ALIGNMENT AND EXTENT OF CHAIN LINK FENCE SHOWN ARE INDICATIVE ONLY AND SHALL BE CONFIRMED BY THE SUPERVISING OFFICER.
8. THE LOCATION AND WIDTH OF GATE SHOWN ARE INDICATIVE ONLY AND SHALL BE CONFIRMED BY THE SUPERVISING OFFICER.
9. NO STRUCTURES SHALL BE ERECTED OTHER THAN SUCH STRUCTURES NOT EXCEEDING TWO STOREYS IN HEIGHT, WHICH ARE APPROVED BY THE DISTRICT LANDS OFFICER AS BEING APPROPRIATE FOR THE USE OF THE SITE AS A WORKS AREA.
10. THE TENTATIVE OCCUPATION PERIOD SHALL BE REFERRED TO EMPLOYER'S REQUIREMENTS PART 2 AND PART 14 SECTION 1 CLAUSE 1.45A.
11. THE WORKS AREAS SHOWN ON THIS DRAWING ARE TO BE SHARE-USED AMONG THE CONTRACTS OF TM-CLKL RELATED CONTRACTS.THE AREAS HATCHED WITH ▨ ARE TENTATIVELY ALLOCATED FOR THE USE BY THIS CONTRACT.
12. THE COMMON AREA SHALL BE CONCRETE PAVED BY THE CONTRACTOR.

LEGEND:

- WORKS AREA UNDER THIS CONTRACT
- COMMON AREA (MAINTAINED UNDER THIS CONTRACT) TO BE SHARE-USED WITH OTHER CONTRACTS
- WORKS AREA FOR THIS CONTRACT TO BE EARLY HANDED OVER BY THE CONTRACTOR.
- H — HOARDING AND GATE (TO BE ERECTED AND MAINTAINED UNDER THIS CONTRACT)
- CHAIN LINK FENCE AND GATE (TO BE ERECTED AND MAINTAINED BY OTHERS)
- CHAIN LINK FENCE AND GATE (TO BE ERECTED AND MAINTAINED UNDER THIS CONTRACT)

SETTING OUT COORDINATES OF WORKS AREA WA5

POINT	COORDINATES	
	EASTING	NORTHING
W5-1	820162.308	820638.492
W5-2	820216.839	820590.455
W5-3	820286.496	820603.985
W5-4	820421.757	820667.742
W5-5	820490.425	820764.554
W5-6	820483.839	820776.180
W5-7	820393.451	820728.958
W5-8	820399.746	820715.343
W5-9	820268.674	820665.173
W5-10	820325.075	820698.276
W5-11	820306.587	820685.458
W5-12	820305.269	820691.287
W5-13	820279.580	820684.863
W5-14	820268.027	820680.572
X	820169.407	820655.859
Y	820166.601	820655.172
Z	820163.794	820654.484
W5-17	820144.957	820650.334
W5-18	820155.899	820641.093
W5-19	820157.432	820642.788
W5-20	820332.642	820686.314
W5-21	820333.350	820684.738
W5-22	820326.723	820694.608

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT TITLE
TUEN MUN - CHEK LAP KOK LINK - SOUTHERN CONNECTION VIADUCT SECTION

CLIENT
HIGHWAYS DEPARTMENT
路政署
Hong Kong - Zhuhai - Macao Bridge Hong Kong Project Management Office

CONSULTANT
AECOM Asia Company Ltd.
www.aecom.com

SUB-CONSULTANTS

ISSUE/REVISION

VR	DATE	DESCRIPTION	CHK.
-	OCT. 12	TENDER DRAWING	CWN

STATUS

SCALE: A1 1 : 1000
DIMENSION UNIT: METRES

KEY PLAN

Figure 1.2h

PROJECT NO.: 60240249
CONTRACT NO.: HY/2012/07

SHEET TITLE
WORKS AREA AND HOARDING PLAN

SHEET 1 OF 2

SHEET NUMBER
60240249/C1/1051

Project Management Initials: Designer: PLCK Checked: SLYY Approved: CWN ISO A1 594mm x 841mm

Plot File by: LIUJ3 2012-10-24
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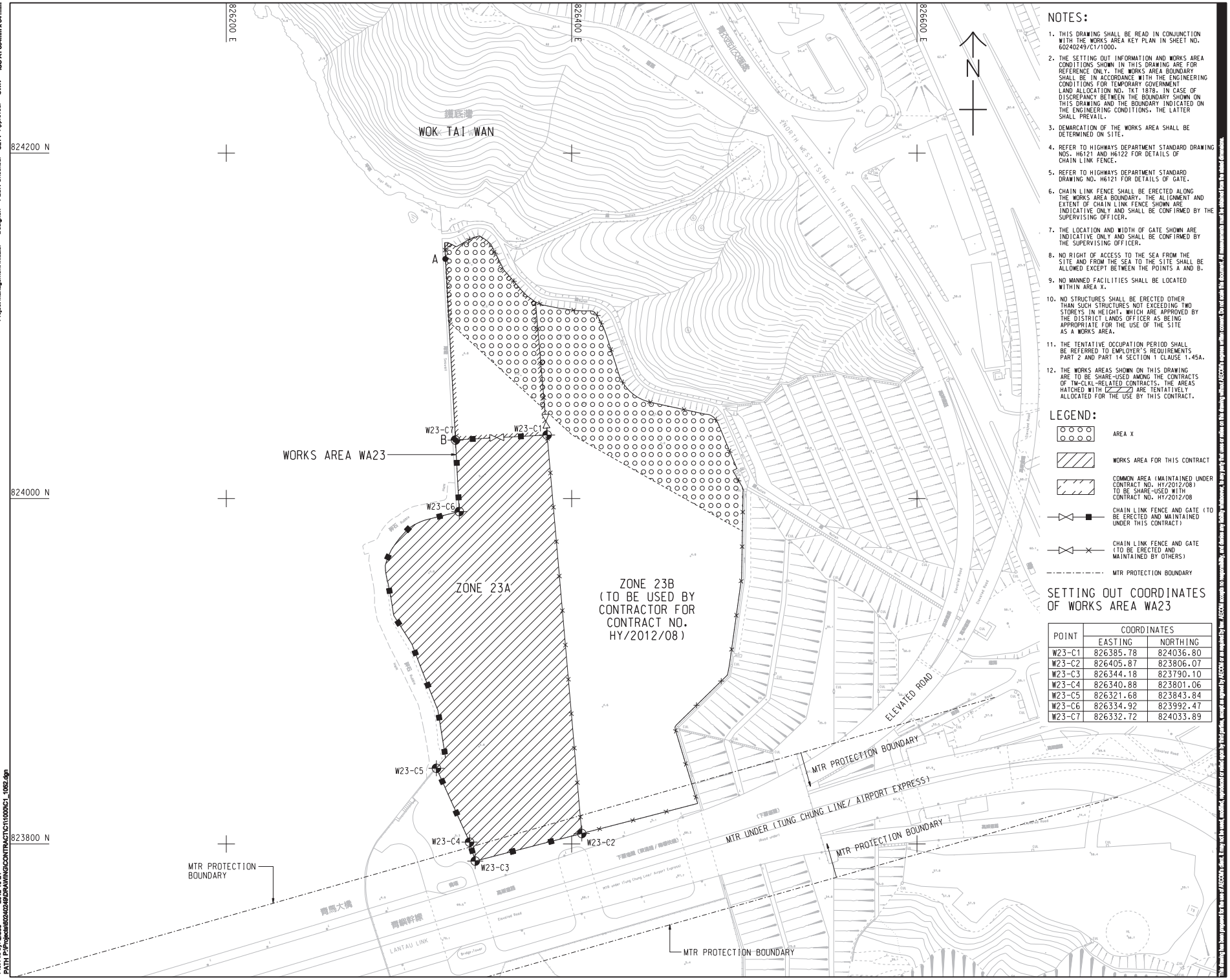


NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE WORKS AREA KEY PLAN IN SHEET NO. 60240249/C1/1000.
2. THE SETTING OUT INFORMATION AND WORKS AREA CONDITIONS SHOWN IN THIS DRAWING ARE FOR REFERENCE ONLY. THE WORKS AREA BOUNDARY SHALL BE IN ACCORDANCE WITH THE ENGINEERING CONDITIONS FOR TEMPORARY GOVERNMENT LAND ALLOCATION NO. TKT 1878. IN CASE OF DISCREPANCY BETWEEN THE BOUNDARY SHOWN ON THIS DRAWING AND THE BOUNDARY INDICATED ON THE ENGINEERING CONDITIONS, THE LATTER SHALL PREVAIL.
3. DEMARCATION OF THE WORKS AREA SHALL BE DETERMINED ON SITE.
4. REFER TO HIGHWAYS DEPARTMENT STANDARD DRAWING NOS. H6121 AND H6122 FOR DETAILS OF CHAIN LINK FENCE.
5. REFER TO HIGHWAYS DEPARTMENT STANDARD DRAWING NO. H6121 FOR DETAILS OF GATE.
6. CHAIN LINK FENCE SHALL BE ERECTED ALONG THE WORKS AREA BOUNDARY. THE ALIGNMENT AND EXTENT OF CHAIN LINK FENCE SHOWN ARE INDICATIVE ONLY AND SHALL BE CONFIRMED BY THE SUPERVISING OFFICER.
7. THE LOCATION AND WIDTH OF GATE SHOWN ARE INDICATIVE ONLY AND SHALL BE CONFIRMED BY THE SUPERVISING OFFICER.
8. NO RIGHT OF ACCESS TO THE SEA FROM THE SITE AND FROM THE SEA TO THE SITE SHALL BE ALLOWED EXCEPT BETWEEN THE POINTS A AND B.
9. NO MANNED FACILITIES SHALL BE LOCATED WITHIN AREA X.
10. NO STRUCTURES SHALL BE ERECTED OTHER THAN SUCH STRUCTURES NOT EXCEEDING TWO STOREYS IN HEIGHT, WHICH ARE APPROVED BY THE DISTRICT LANDS OFFICER AS BEING APPROPRIATE FOR THE USE OF THE SITE AS A WORKS AREA.
11. THE TENTATIVE OCCUPATION PERIOD SHALL BE REFERRED TO EMPLOYER'S REQUIREMENTS PART 2 AND PART 14 SECTION 1 CLAUSE 1.45A.
12. THE WORKS AREAS SHOWN ON THIS DRAWING ARE TO BE SHARE-USED AMONG THE CONTRACTS OF TM-CLKL-RELATED CONTRACTS. THE AREAS HATCHED WITH ▨ ARE TENTATIVELY ALLOCATED FOR THE USE BY THIS CONTRACT.

LEGEND:

- AREA X
- WORKS AREA FOR THIS CONTRACT
- COMMON AREA (MAINTAINED UNDER CONTRACT NO. HY/2012/08) TO BE SHARE-USED WITH CONTRACT NO. HY/2012/08
- CHAIN LINK FENCE AND GATE (TO BE ERECTED AND MAINTAINED UNDER THIS CONTRACT)
- CHAIN LINK FENCE AND GATE (TO BE ERECTED AND MAINTAINED BY OTHERS)
- MTR PROTECTION BOUNDARY

SETTING OUT COORDINATES OF WORKS AREA WA23

POINT	COORDINATES	
	EASTING	NORTHING
W23-C1	826385.78	824036.80
W23-C2	826405.87	823806.07
W23-C3	826344.18	823790.10
W23-C4	826340.88	823801.06
W23-C5	826321.68	823843.84
W23-C6	826334.92	823992.47
W23-C7	826332.72	824033.89

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT TITLE
TUEN MUN - CHEK LAP KOK LINK - SOUTHERN CONNECTION VIADUCT SECTION

CLIENT
HIGHWAYS DEPARTMENT
Hong Kong - Zhuhai - Macao Bridge Hong Kong Project Management Office

CONSULTANT
AECOM Asia Company Ltd.
www.aecom.com

SUB-CONSULTANTS

ISSUE/REVISION

VR	DATE	DESCRIPTION	CHK.
-	OCT. 12	TENDER DRAWING	CWN

STATUS

SCALE: A1 1 : 1000
DIMENSION UNIT: METRES

KEY PLAN

Figure 1.2i

PROJECT NO.: 60240249
CONTRACT NO.: HY/2012/07

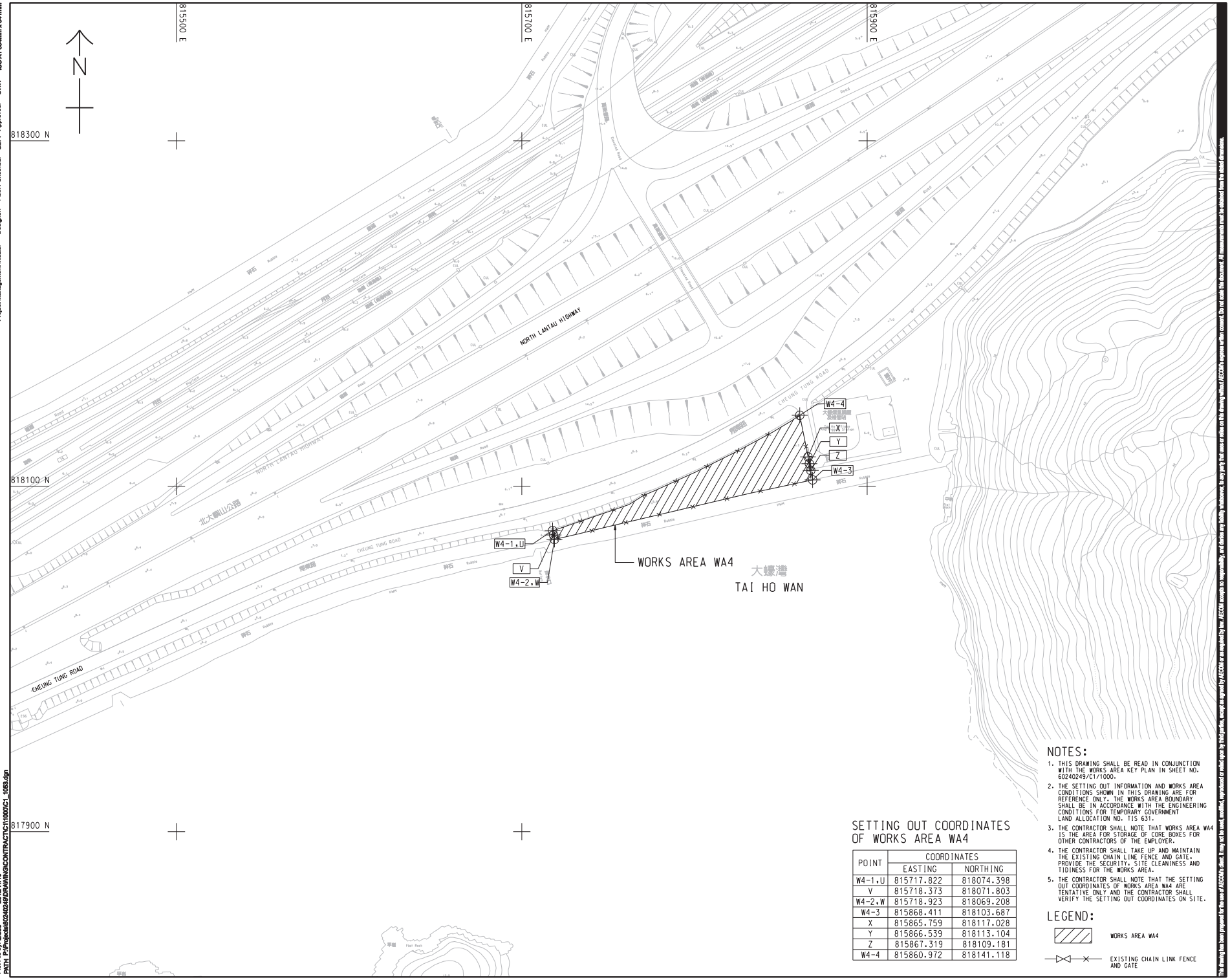
SHEET TITLE
WORKS AREA AND HOARDING PLAN

SHEET 2 OF 2

SHEET NUMBER
60240249/C1/1052

Project Management Initials: Designer: PLCK Checked: SLYY Approved: CWN ISO A1 594mm x 841mm

Plot File by: LIUJ3 2012-10-24
PATH: P:\Projects\60240249\DRAWING\CONTRACT\C1\1000\C1_1052.dgn



SETTING OUT COORDINATES OF WORKS AREA WA4

POINT	COORDINATES	
	EASTING	NORTHING
W4-1,U	815717.822	818074.398
V	815718.373	818071.803
W4-2,W	815718.923	818069.208
W4-3	815868.411	818103.687
X	815865.759	818117.028
Y	815866.539	818113.104
Z	815867.319	818109.181
W4-4	815860.972	818141.118

NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE WORKS AREA KEY PLAN IN SHEET NO. 60240249/C1/1000.
2. THE SETTING OUT INFORMATION AND WORKS AREA CONDITIONS SHOWN IN THIS DRAWING ARE FOR REFERENCE ONLY. THE WORKS AREA BOUNDARY SHALL BE IN ACCORDANCE WITH THE ENGINEERING CONDITIONS FOR TEMPORARY GOVERNMENT LAND ALLOCATION NO. TIS 631.
3. THE CONTRACTOR SHALL NOTE THAT WORKS AREA WA4 IS THE AREA FOR STORAGE OF CORE BOXES FOR OTHER CONTRACTORS OF THE EMPLOYER.
4. THE CONTRACTOR SHALL TAKE UP AND MAINTAIN THE EXISTING CHAIN LINE FENCE AND GATE. PROVIDE THE SECURITY, SITE CLEANINESS AND TIDINESS FOR THE WORKS AREA.
5. THE CONTRACTOR SHALL NOTE THAT THE SETTING OUT COORDINATES OF WORKS AREA WA4 ARE TENTATIVE ONLY AND THE CONTRACTOR SHALL VERIFY THE SETTING OUT COORDINATES ON SITE.

LEGEND:

WORKS AREA WA4

EXISTING CHAIN LINK FENCE AND GATE

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT TITLE
TUEN MUN - CHEK LAP KOK LINK - SOUTHERN CONNECTION VIADUCT SECTION

CLIENT
HIGHWAYS DEPARTMENT
Hong Kong - Zhuhai - Macao Bridge Hong Kong Project Management Office

CONSULTANT
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Figure 1.2j

ISSUE/REVISION

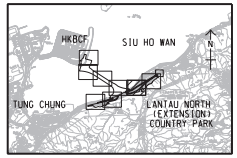
VR	DATE	DESCRIPTION	CHK.
-	NOV. 12	TENDER ADDENDUM NO. 1	CWN

STATUS

SCALE: A1 1 : 1000

DIMENSION UNIT: METRES

KEY PLAN



PROJECT NO.: 60240249

CONTRACT NO.: HY/2012/07

SHEET TITLE
WORKS AREA WA4

SHEET NUMBER
60240249/C1/1053

Project Management Initials: Designer: PLCK Checked: SLYY Approved: CWN ISO A1 594mm x 841mm

Plot File by: LIUJ3 2012/11/16
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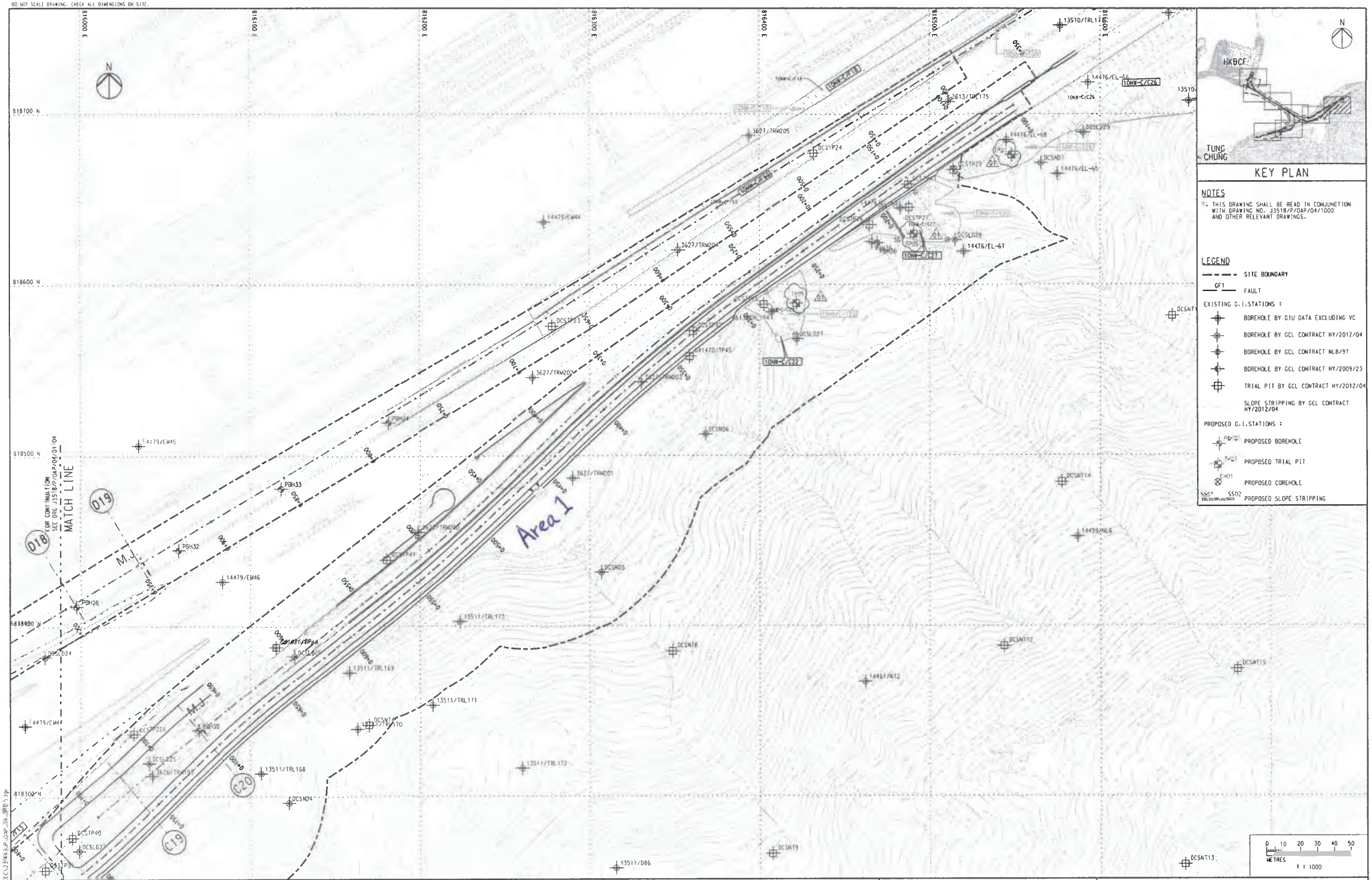


Rev.	Description	By	Date	Rev.	Description	By	Date
A	[illegible]	RL	07/13				
B	[illegible]	RL	07/13				
C	[illegible]	RL	09/13				
D1	ETA INTERNAL REVIEW	RL	10/13				

Drawn: RL	Date: 07/13
Checked: DS	Approved: DOP
Scale: 1:1000 @ A1 / 1:2000 @ A3	

Client: 路政署 HIGHWAYS DEPARTMENT 港珠澳大橋香港工程管理處 Hong Kong - Zhuhai - Macao Bridge Hong Kong Project Management Office

Project Title: Contract No. HY/2012/07 Tuen Mun - Chek Lap Kok Link Southern Connection Viaduct Section

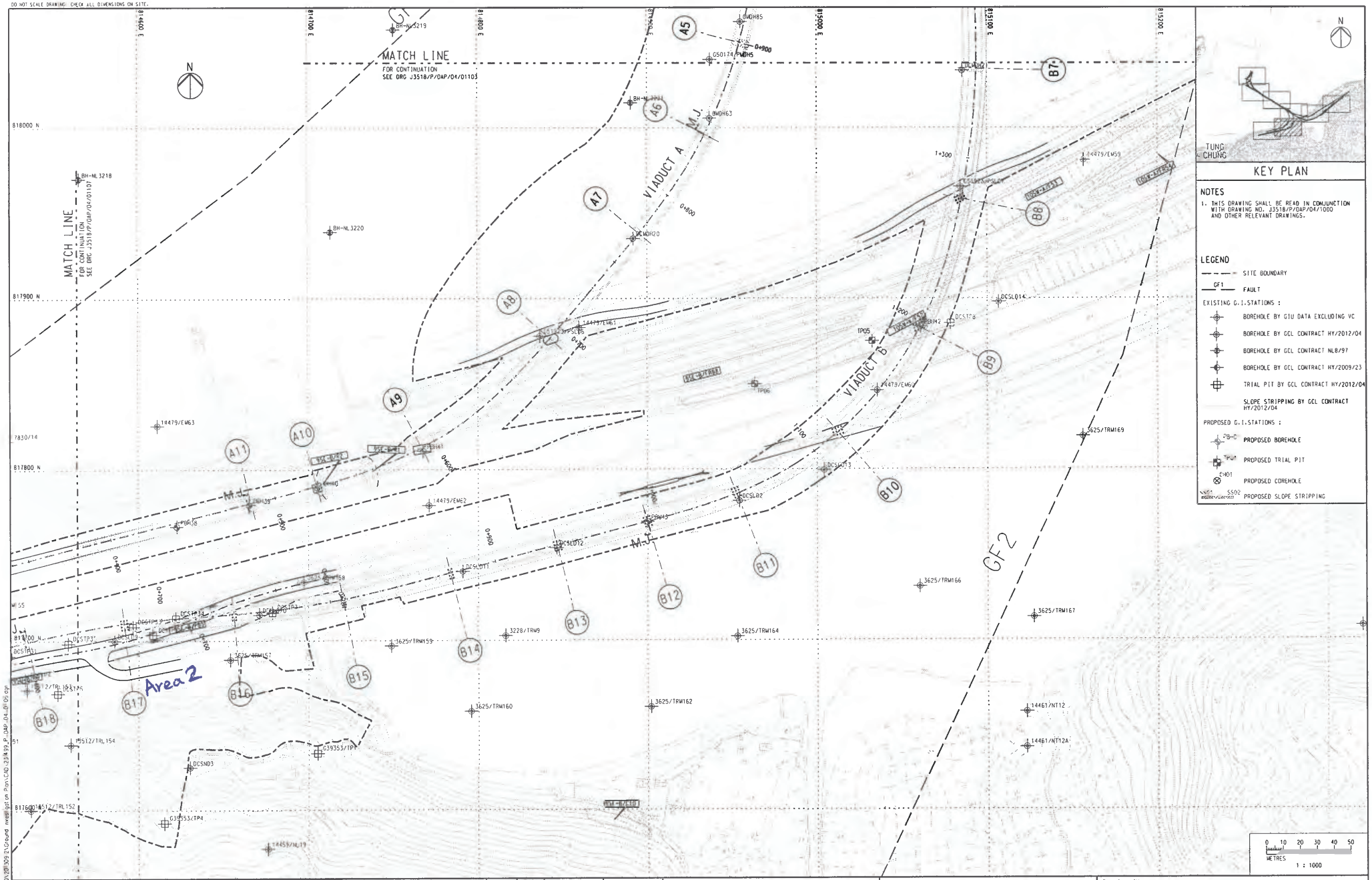
Supervising Officer: AECOM

Contractor: Gammon

Originator: ARUP

Drawing title: **Figure 1.2k**

Drawing no. J3518/P/OAP/04/01105 Rev. D1



Rev	Description	By	Date
A	[illegible]	RC	07/13
B	[illegible]	RC	07/13
C	[illegible]	RC	09/13

Drawn	RL
Date	07/13
Checked	DS
Approved	DOP
Scale	1:1000 @ A1 / 1:2000 @ A3

Client: 路政署 HIGHWAYS DEPARTMENT 港珠澳大橋香港工程管理處 Hong Kong - Zhuhai - Macao Bridge Hong Kong Project Management Office

Project Title: Contract No. HY/2012/07 Tuen Mun - Chek Lap Kok Link Southern Connection Viaduct Section

Supervising Officer: AECOM

Contractor: Gammon

Originator: ARUP

Drawing title: **Figure 1.2I**

Drawing no. J3518/P/OAP/04/01106 Rev C

Plotted by [illegible] on 19/07/2013
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1.2 SCOPE OF REPORT

This is the Twenty-first Monthly EM&A Report under the *Contract No. HY/2012/07 Tuen Mun – Chek Lap Kok Link – Southern Connection Viaduct Section.* This report presents a summary of the environmental monitoring and audit works in July 2015.

1.3 ORGANIZATION STRUCTURE

The organization structure of the Contract is shown in *Appendix A*. The key personnel contact names and contact details are summarized in *Table 1.1* below.

Table 1.1 Contact Information of Key Personnel

Party	Position	Name	Telephone	Fax
HyD (Highways Department)	Project Coordinator	Stanley Chan	2762 3406	3188 6614
	Senior Engineer	Steven Shum	2762 4133	3188 6614
SOR (AECOM Asia Company Limited)	Chief Resident Engineer	Daniel Ip	3553 3800	2492 2057
	Resident Engineer	Kingman Chan	3691 3950	3691 2899
ENPO / IEC (Ramboll Environ Hong Kong Ltd.)	ENPO Leader	Y.H. Hui	3547 2133	3465 2899
	IEC	Dr. F.C. Tsang	3547 2134	3465 2899
Contractor (Gammon Construction Limited)	Environmental Manager	Brian Kam	3520 0387	3520 0486
	Environmental Officer	Roy Leung	3520 0387	3520 0486
	24-hour Complaint Hotline		9738 4332	
ET (ERM-HK)	ET Leader	Jovy Tam	2271 3113	2723 5660

1.4 SUMMARY OF CONSTRUCTION WORKS

The construction phase of the Contract commenced on 31 October 2013. The three-month rolling construction programme is shown in *Appendix B*.

As informed by the Contractor, details of the major works carried out in this reporting month are listed below:

Marine Works

- Construction and installation of pile caps;
- Uninstallation of marine piling platform;
- Pile cap installation;

- Pier construction;
- Launching gantry assembly;
- Marine piling and
- Installation of pier head segment

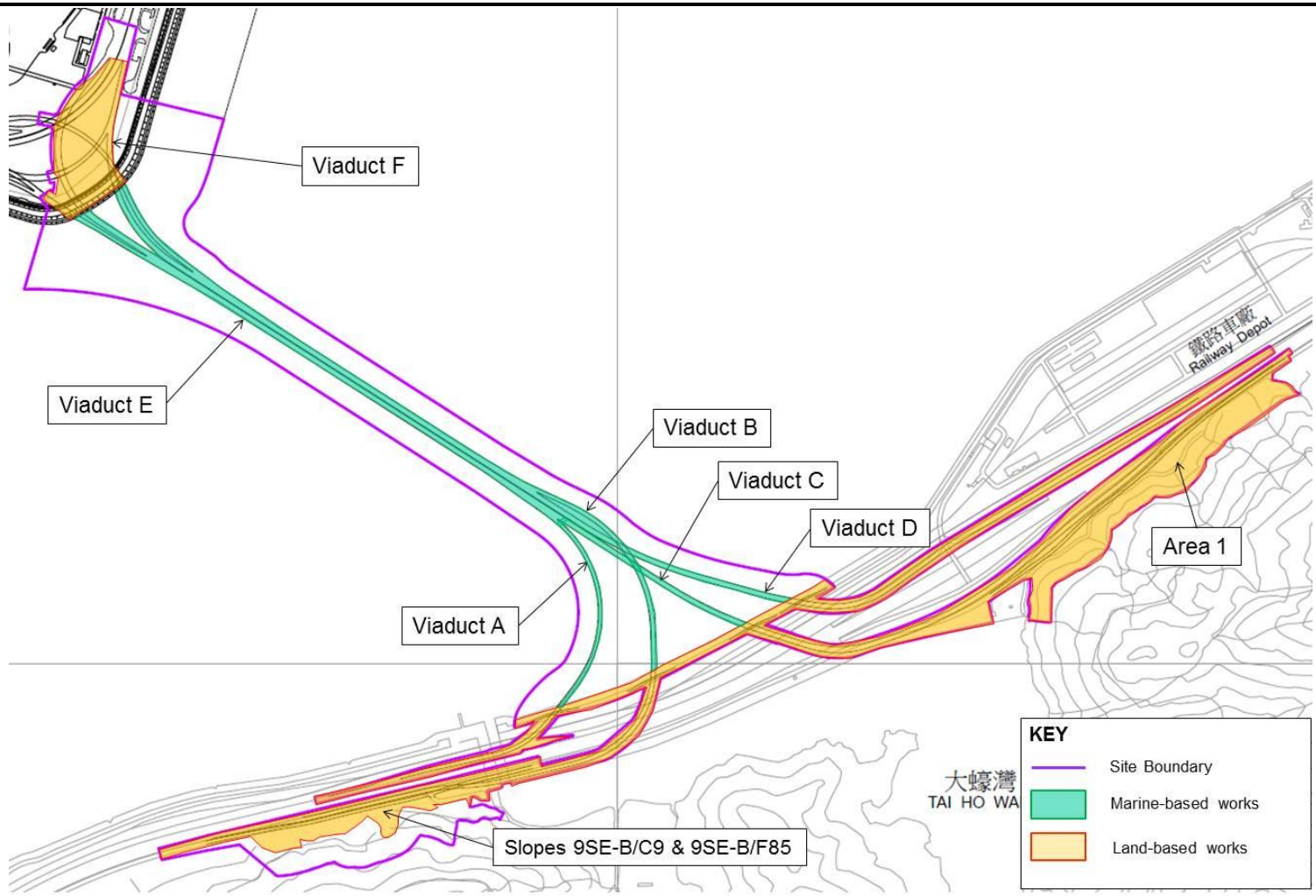
Land-based Works

- Predrilling at Viaduct F;
- Construction and installation of pile caps;
- Pier construction;
- Pile cap installation;
- Re-alignment of Cheung Tung Road;
- Land piling;
- Pre-drilling works;
- Installation of pier head segment;
- Additional land GI, trial pits & lab testing;
- Relocation of MTRC fence; and
- Slope work of Viaducts A & B.

The locations of the construction activities are shown in *Figure 1.3*. The Environmental Sensitive Receivers in the vicinity of the Project are shown in *Figure 1.4*.

The environmental mitigation measures implementation schedule is presented in *Appendix C*.

Figure 1.3 Locations of Construction Activities in the Reporting Month



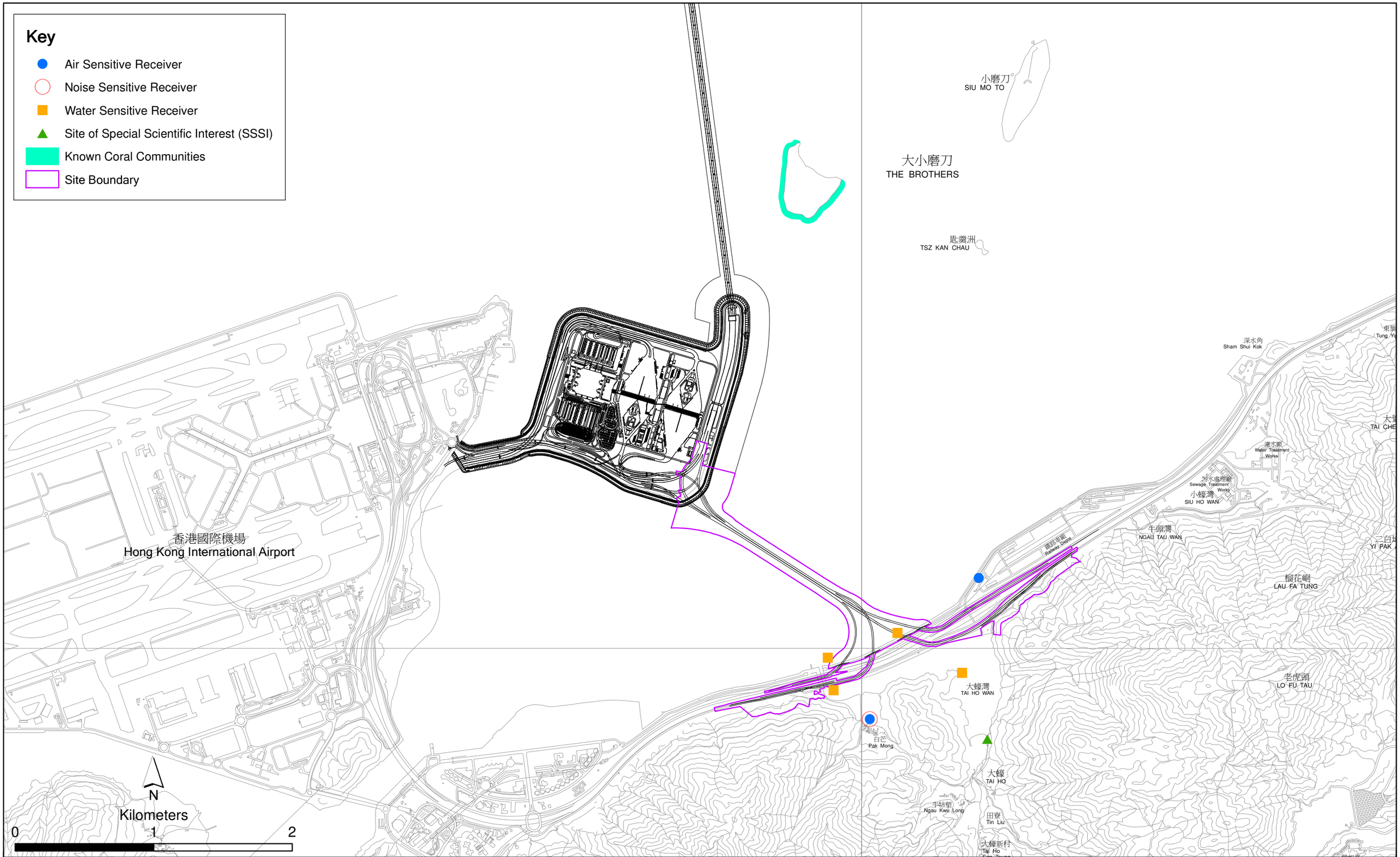


Figure 1.4

Environmental Sensitive Receivers in the Vicinity of Contract No. HY/2012/07
Tuen Mun - Chek Lap Kok Link - Southern Connection Viaduct Section

File: T:\GIS\CONTRACT\0215660\Mxd\0215660_Environmental_Sensitive_Receiver.mxd
Date: 18/5/2015

Environmental Resources Management

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2 EM&A RESULTS

The EM&A programme required environmental monitoring for air quality, noise, water quality and marine ecology as well as environmental site inspections for air quality, noise, water quality, waste management, marine ecology and landscape and visual impacts. The EM&A requirements and related findings for each component are summarized in the following sections.

2.1 AIR QUALITY

2.1.1 Monitoring Requirements and Equipment

In accordance with the Updated EM&A Manual, impact 1-hour TSP monitoring was conducted three (3) times every six (6) days and impact 24-hour TSP monitoring was carried out once every six (6) days when the highest dust impact was expected. The Action and Limit Levels of the air quality monitoring is provided in *Appendix D*.

Table 2.1 Locations of Impact Air Quality Monitoring Stations

Monitoring Station	Location	Description	Monitoring Dates
ASR 9	MTR Depot	On the ground nearby MTR Depot Entrance	2, 7, 13, 16, 22 and 28 July 2015
ASR 8A	Area 4	On ground at the works area, Area 4	2, 7, 13, 16, 22 and 28 July 2015

High Volume Samplers (HVSs) were used for carried out 1-hour and 24-hour TSP monitoring on 2, 7, 13, 16, 22 and 28 July 2015 at ASR8A and ASR9 in accordance with the requirements of the Updated EM&A Manual. The TSP monitoring stations are illustrated in *Figure 2.1* and detailed in *Table 2.1*. Wind anemometer was deployed at Area 4 for logging wind speed and wind direction. Copies of the calibration certificates for the equipment are presented in *Appendix E*. Details of the deployed equipment are given in *Table 2.2*.

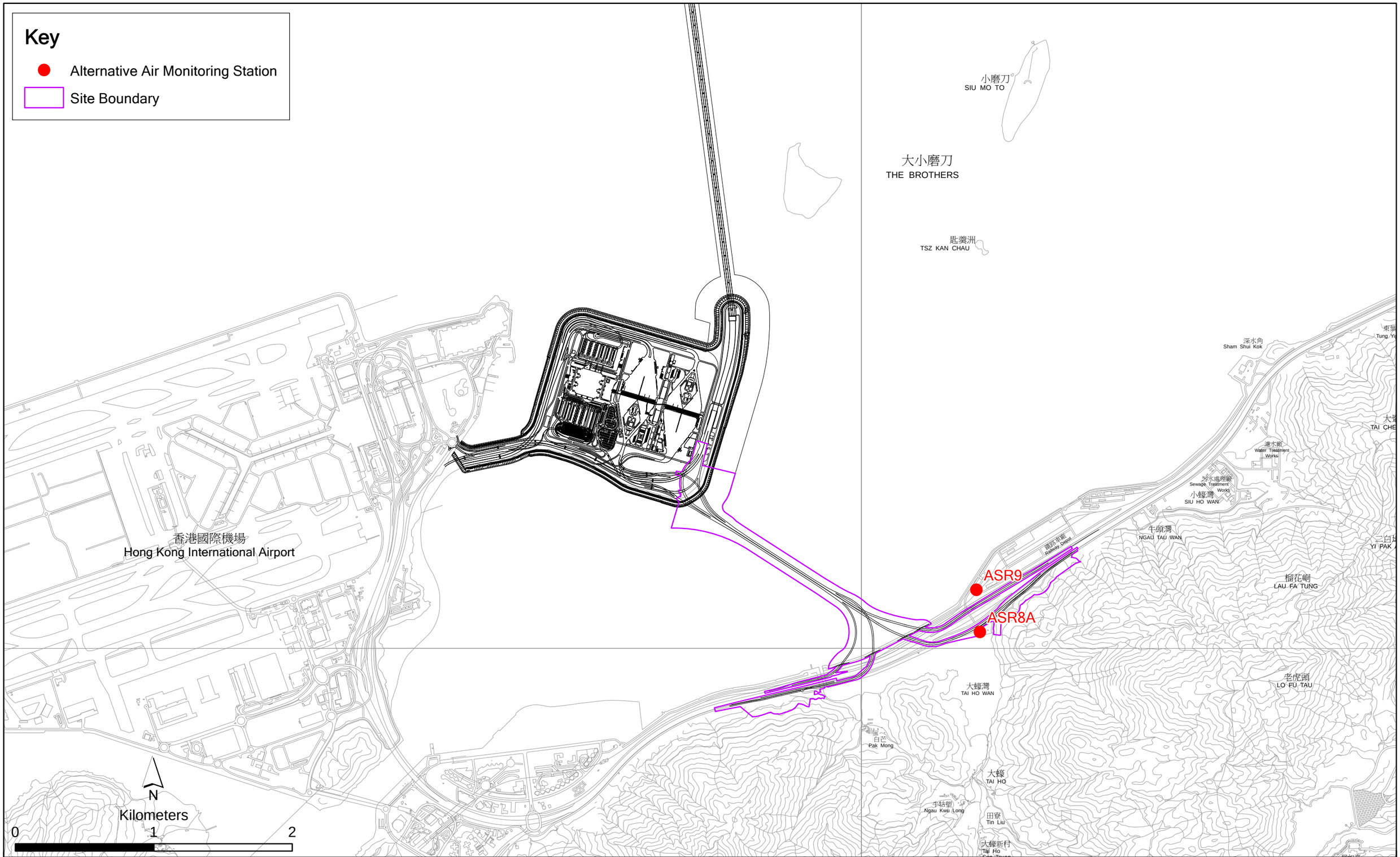

Figure 2.1

Locations of Air Quality Monitoring Stations

File: T:\GIS\CONTRACT\0215660\Mxd\0215660_AQMS.mxd
Date: 7/1/2015

Environmental Resources Management

ERM

Table 2.2 Air Quality Monitoring Equipment

Equipment	Brand and Model
High Volume Sampler (1-hour TSP and 24-hour TSP)	Tisch Environmental Mass Flow Controlled Total Suspended Particulate (TSP) High Volume Sampler (Model No. TE-5170)
Wind Sensor	Global Water (Wind Speed Sensor: WE550; Wind Direction Sensor: WE570)
Wind Anemometer for calibration	Lutron (Model No. AM-4201)

2.1.2 Monitoring Schedule for the Reporting Month

The schedule for air quality monitoring in July 2015 is provided in *Appendix F*.

2.1.3 Results and Observations

The monitoring results for 1-hour TSP and 24-hour TSP are summarized in *Tables 2.3* and *2.4* respectively. Detailed impact air quality monitoring results are presented in *Appendix G*.

Table 2.3 Summary of 1-hour TSP Monitoring Results in the Reporting Period

Monitoring Station	Average (μg/m³)	Range (μg/m³)	Action Level (μg/m³)	Limit Level (μg/m³)
ASR 8A	63	41 - 139	394	500
ASR 9	73	41 - 116	393	500

Table 2.4 Summary of 24-hour TSP Monitoring Results in the Reporting Period

Monitoring Station	Average (μg/m³)	Range (μg/m³)	Action Level (μg/m³)	Limit Level (μg/m³)
ASR 8A	51	44 – 75	178	260
ASR 9	56	47 – 89	178	260

The major dust sources in the reporting period included construction activities under the Contract as well as nearby traffic emissions.

All 1-hour and 24-hour TSP results were below the Action and Limit levels at all monitoring locations in the reporting period. No action is thus required to be undertaken in accordance with the Event Action Plan presented in *Appendix L*.

Meteorological information collected at ASR8A including wind speed and wind direction is provided in *Appendix H*.

2.2 NOISE MONITORING

2.2.1 Monitoring Requirements and Equipment

In accordance with the Updated EM&A Manual, impact noise monitoring was conducted once per week during the construction phase of the Contract. The Action and Limit level of the noise monitoring is provided in *Appendix D*.

Noise monitoring was performed on 2, 7, 13, 16, 22 and 28 July 2015 by using sound level meter at the designated monitoring station NSR1A (*Figure 2.2; Table 2.5*) in accordance with the requirements stipulated in the Updated EM&A Manual. Acoustic calibrator was deployed to check the sound level meters at a known sound pressure level. Details of the deployed equipment are provided in *Table 2.6*. Copies of the calibration certificates for the equipment are presented in *Appendix E*.

Table 2.5 Location of Impact Noise Monitoring Station

Monitoring Station	Location	Description	Parameter	Frequency and Duration	Monitoring Dates
NSR 1A	Pak Mong Village Pavilion	On the ground at the village entrance	30-minute measurement at each monitoring station between 0700 and 1900 on normal weekdays (Monday to Saturday). L_{eq}, L_{10} and L_{90} would be recorded.	At least once per week	2, 7, 13, 16, 22 and 28 July 2015

Table 2.6 Noise Monitoring Equipment

Equipment	Brand and Model
Integrated Sound Level Meter	Rion NL-31
Acoustic Calibrator	Rion NC-73

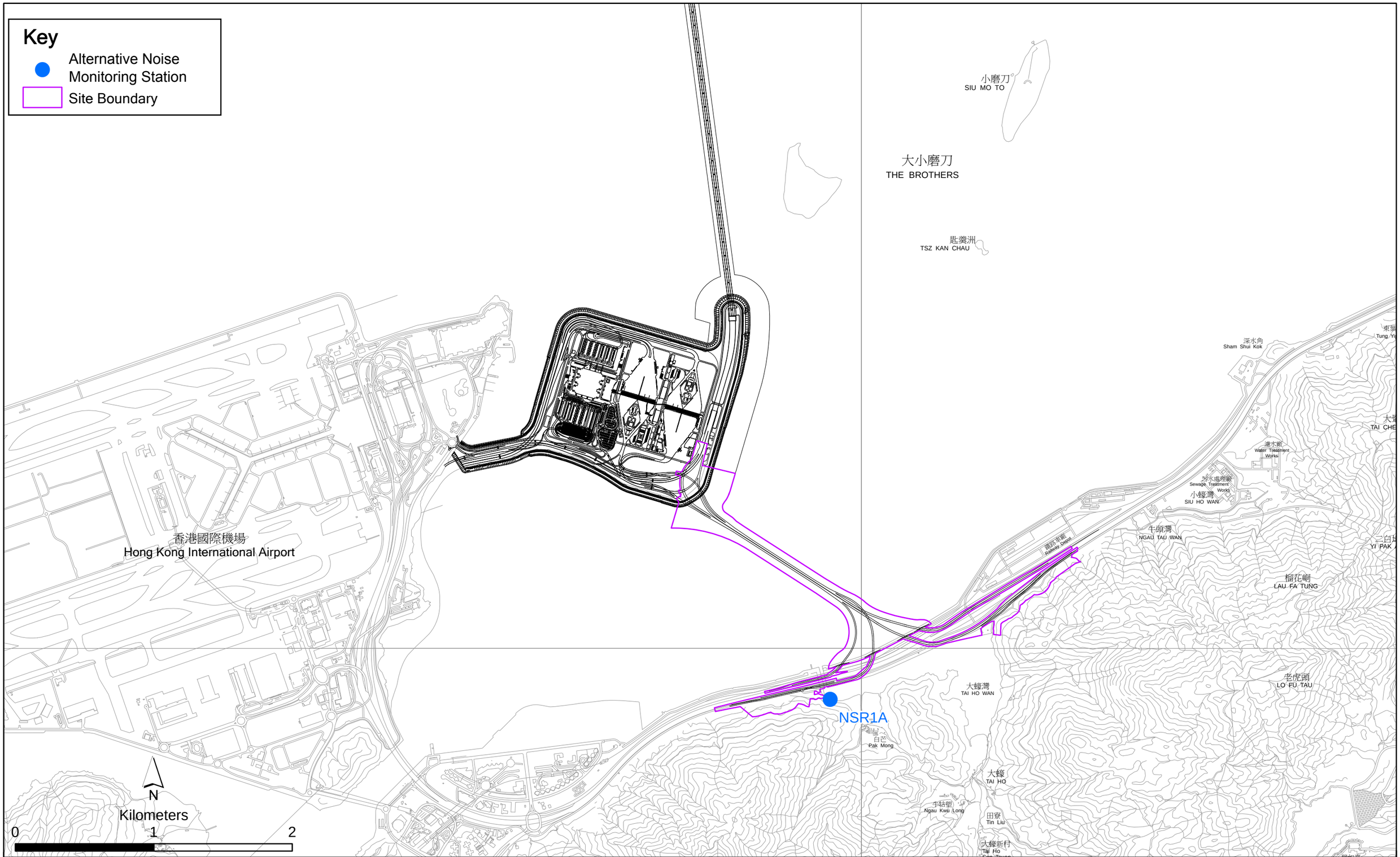

Figure 2.2

Location of Noise Monitoring Station

File: T:\GIS\CONTRACT\0215660\Mxd\0215660_NMS.mxd
Date: 7/1/2015

Environmental Resources Management

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2.2.2 *Monitoring Schedule for the Reporting Month*

The schedule for construction noise monitoring in the reporting period is provided in *Appendix F.*

2.2.3 *Results and Observations*

Results for noise monitoring are summarized in *Table 2.7* and the monitoring data is provided in *Appendix I.*

Table 2.7 Summary of Construction Noise Monitoring Results in the Reporting Period

	Average , dB(A), $L_{eq\ (30mins)}$	**Range, dB(A), $L_{eq\ (30mins)}$**	**Limit Level, dB(A), $L_{eq\ (30mins)}$**
NSR 1A	60	53 - 61	75

No noise Action Level and Limit level exceedance was recorded in the reporting month. No action is thus required to be undertaken in accordance with the Event Action Plan presented in *Appendix L.*

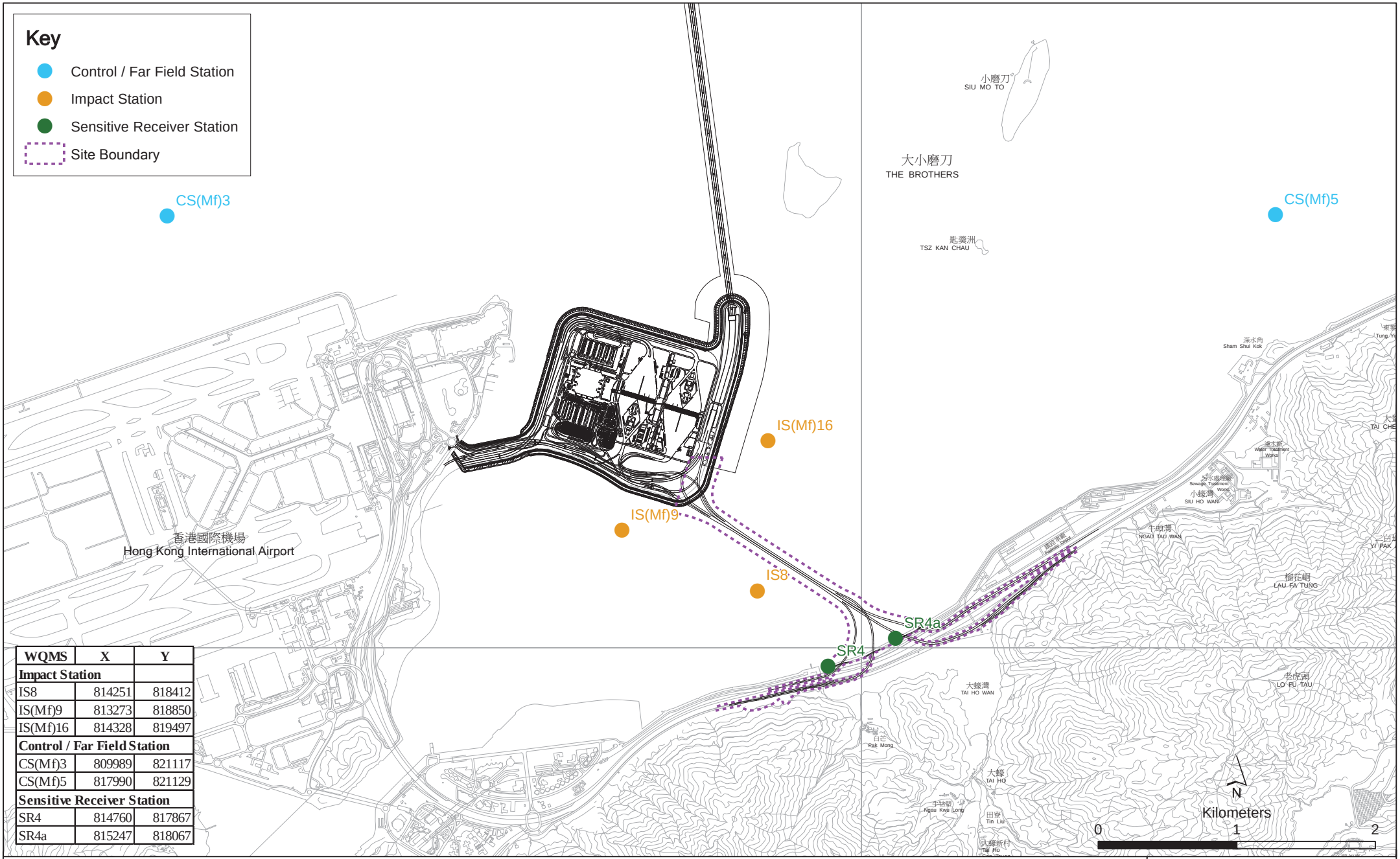
Major noise sources during the noise monitoring included noise from crane operation and excavation works, nearby traffic noise and aircraft noise.

2.3 *WATER QUALITY MONITORING*

2.3.1 *Monitoring Requirements and Equipment*

Impact water quality monitoring was carried out to ensure that any deterioration of water quality was detected, and that timely action was taken to rectify the situation. Impact water quality monitoring was undertaken three days per week during the construction period in accordance with the Updated EM&A Manual. The Action and Limit Levels of the water quality monitoring are provided in *Appendix D.*

The locations of the monitoring stations under the Contract are shown in *Figure 2.3* and *Table 2.8.*



WQMS	X	Y
Impact Station		
IS8	814251	818412
IS(Mf)9	813273	818850
IS(Mf)16	814328	819497
Control / Far Field Station		
CS(Mf)3	809989	821117
CS(Mf)5	817990	821129
Sensitive Receiver Station		
SR4	814760	817867
SR4a	815247	818067

Figure 2.3

Locations of Water Quality Monitoring Stations

File: T:\GIS\CONTRACT\0215660\Mxd\0215660_WQMS.mxd
Date: 6/12/2013

Environmental Resources Management

ERM

Table 2.8 Locations of Impact Water Quality Monitoring Stations and its Corresponding Monitoring Requirements

Station ID	Type	Coordinates		*Parameters, unit	Frequency	Depth
		Easting	Northing			
IS(Mf)9	Impact Station (Close to HKBCF construction site)	813273	818850	• Temperature(°C) • pH (pH unit) • Turbidity (NTU) • Water depth (m) • Salinity (ppt) • DO (mg/L and % of saturation) • SS (mg/L)	Impact monitoring: 3 days per week, at mid-flood and mid-ebb tides during the construction period of the Contract	3 water depths: 1m below sea surface, mid-depth and 1m above sea bed. If the water depth is less than 3m, mid-depth sampling only. If water depth less than 6m, mid-depth may be omitted
IS(Mf)16	Impact Station (Close to HKBCF construction site)	814328	819497			
IS8	Impact Station (Close to HKBCF construction site)	814251	818412			
SR4	Sensitive receiver (Tai Ho Inlet)	814760	817867			
SR4a	Sensitive receiver	815247	818067			
CS(Mf)3	Control Station	809989	821117			
CS(Mf)5	Control Station	817990	821129			

*Notes:
In addition to the parameters presented monitoring location/position, time, water depth, sampling depth, tidal stages, weather conditions and any special phenomena or works underway nearby were also recorded.

Table 2.9 summarises the equipment used in the impact water quality monitoring programme. Copies of the calibration certificates are attached in *Appendix E*.

Table 2.9 Water Quality Monitoring Equipment

Equipment	Brand and Model
DO and Salinity	YSI Pro2030
Turbidity meter	HACH Model 2100Q
pH meter	HANNA HI8314
Positioning Equipment	Koden913MK2 with KBG-3 DGPS antenna
Water Depth Detector	Speedtech Instrument SM-5
Water Sampler	Kemmerer 1520 (1520-C25) 2.2L with messenger

2.3.2 *Monitoring Schedule for the Reporting Month*

The schedule for water quality monitoring in July 2015 is provided in *Appendix F*.

2.3.3 *Results and Observations*

In total of 12 monitoring events for impact water quality monitoring were conducted at all designated monitoring stations in the reporting month. The WQM on 9 July 2015 was cancelled due to adverse weather. Impact water quality monitoring results and graphical presentations are provided in *Appendix J*.

The SS level at IS8 during mid-ebb tide on 25 July 2015 was higher than the corresponding Action Level but not higher than 120% of the upstream control station at the same tide on same day. Thus the result was not regarded as an exceedance.

No Action and Limit levels exceedances was recorded at all monitoring stations for impact water quality monitoring in the reporting month. No action is thus required to be undertaken in accordance with the Event Action Plan presented in *Appendix L*.

2.4 *DOLPHIN MONITORING*

2.4.1 *Monitoring Requirements*

Impact dolphin monitoring is required to be conducted by a qualified dolphin specialist team to evaluate whether there have been any effects on the dolphins. In order to fulfil the EM&A requirements and make good use of available resources, the on-going impact line transect dolphin monitoring data collected by HyD's *Contract No. HY/2011/03 Hong Kong-Zhuhai-Macao Bridge. Hong Kong Link Road - Section between Scenic Hill and Hong Kong Boundary Crossing Facilities* on the monthly basis is adopted to avoid duplicates of survey effort.

2.4.2 *Monitoring equipment*

Table 2.10 summarises the equipment used for the impact dolphin monitoring.

Table 2.10 Dolphin Monitoring Equipment

Equipment	Model
Global Positioning System (GPS)	Garmin 18X-PC
	Geo One Phottix
Camera	Nikon D90 300m 2.8D fixed focus
	Nikon D90 20-300m zoom lens
Laser Binoculars	Infinitor LRF 1000
Marine Binocular	Bushell 7 x 50 marine binocular with compass and reticules
Vessel for Monitoring	65 foot single engine motor vessel with viewing platform 4.5m above water level

2.4.3 Monitoring Parameter, Frequencies and Duration

Dolphin monitoring should cover all transect lines in Northeast Lantau (NEL) and the Northwest Lantau (NWL) survey areas twice per month throughout the entire construction period. The monitoring data should be compatible with, and should be made available for, long-term studies of small cetacean ecology in Hong Kong. In order to provide a suitable long-term dataset for comparison, identical methodology and line transects employed in baseline dolphin monitoring was followed in the impact dolphin monitoring.

2.4.4 Monitoring Location

The impact dolphin monitoring was carried out in the NEL and NWL along the line transect as depicted in *Figure 2.4.* The co-ordinates of all transect lines are shown in *Table 2.11* below.

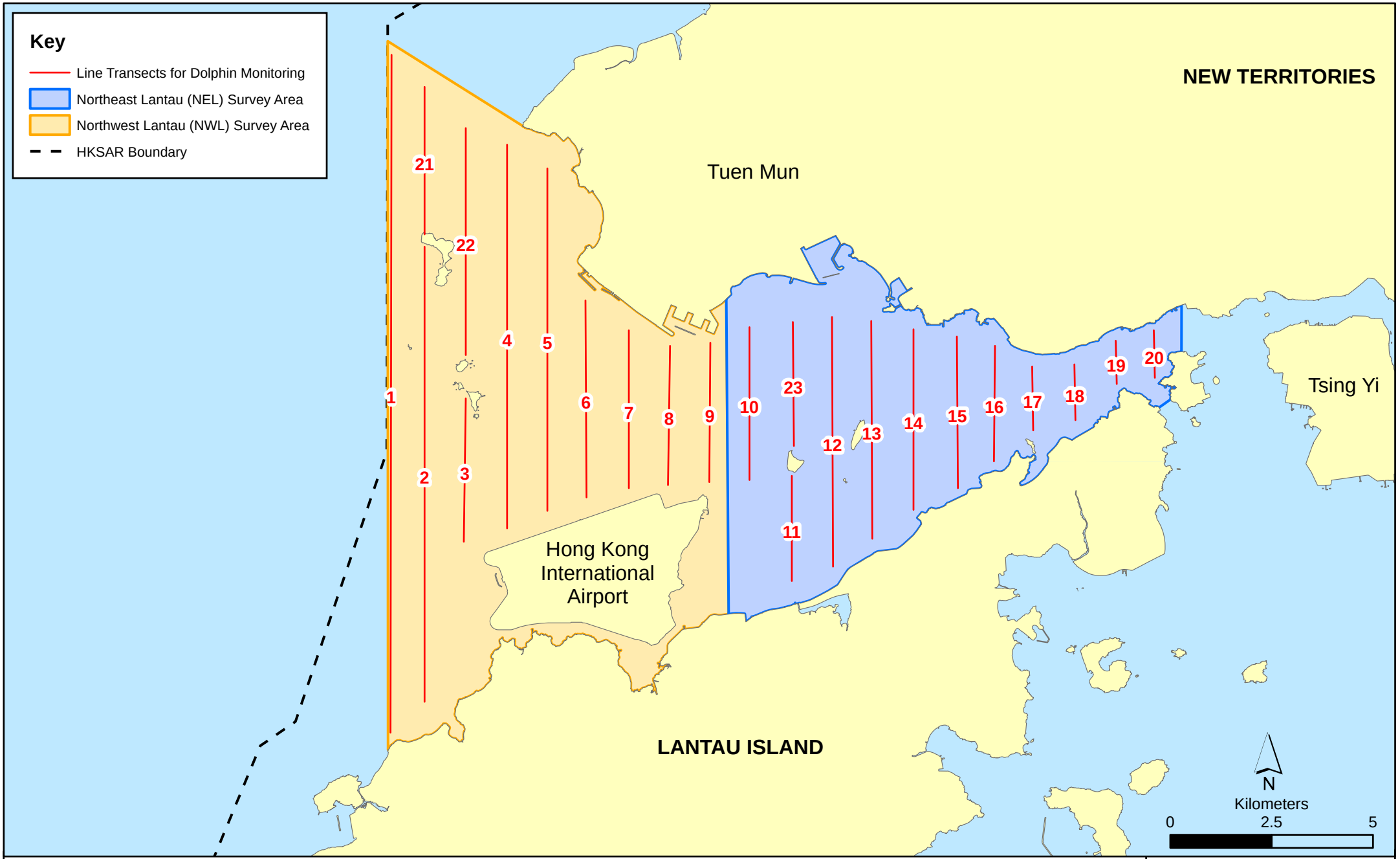


Figure 2.4

Layout of Transect Lines of Dolphin Monitoring in Northwest and Northeast Lantau Areas

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Date: 10/12/2013

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Table 2.11 Impact Dolphin Monitoring Line Transect Co-ordinates

Line No.		Easting	Northing	Line No.		Easting	Northing
1	Start Point	804671	814577	13	Start Point	816506	819480
1	End Point	804671	831404	13	End Point	816506	824859
2	Start Point	805475	815457	14	Start Point	817537	820220
2	End Point	805477	826654	14	End Point	817537	824613
3	Start Point	806464	819435	15	Start Point	818568	820735
3	End Point	806464	822911	15	End Point	818568	824433
4	Start Point	807518	819771	16	Start Point	819532	821420
4	End Point	807518	829230	16	End Point	819532	824209
5	Start Point	808504	820220	17	Start Point	820451	822125
5	End Point	808504	828602	17	End Point	820451	823671
6	Start Point	809490	820466	18	Start Point	821504	822371
6	End Point	809490	825352	18	End Point	821504	823761
7	Start Point	810499	820690	19	Start Point	822513	823268
7	End Point	810499	824613	19	End Point	822513	824321
8	Start Point	811508	820847	20	Start Point	823477	823402
8	End Point	811508	824254	20	End Point	823477	824613
9	Start Point	812516	820892	21	Start Point	805476	827081
9	End Point	812516	824254	21	End Point	805476	830562
10	Start Point	813525	820872	22	Start Point	806464	824033
10	End Point	813525	824657	22	End Point	806464	829598
11	Start Point	814556	818449	23	Start Point	814559	821739
11	End Point	814556	820992	23	End Point	814559	824768
12	Start Point	815542	818807				
12	End Point	815542	824882				

2.4.5 Action & Limit Levels

The Action and Limit levels of dolphin impact monitoring are shown in *Appendix D*. The Event and Action plan is presented in *Appendix L*.

2.4.6 Monitoring Schedule for the Reporting Month

Dolphin monitoring was carried out on 2, 7, 22 and 27 July 2015 (*Appendix F*).

2.4.7 Results and Observations

A total of 301.62 km of survey effort was collected, with 87.2% of the total survey effort being conducted under favourable weather conditions (i.e. Beaufort Sea State 3 or below with good visibility) during the surveys of July 2015. Among the two areas, 116.10 km and 185.52 km of survey effort were collected from NEL and NWL survey areas respectively. The total survey effort conducted on primary and secondary lines were 219.76 km and 81.86 km respectively. The survey efforts are summarized in *Appendix K*.

Three (3) groups of six (6) Chinese White Dolphins were sighted during the two sets of monitoring surveys in July 2015. All three (3) sightings were made in NWL, while no dolphin was sighted in NEL. During surveys of July 2015, all three (3) dolphin sightings were made on primary lines during on-effort search, and none of the dolphin groups was associated with operating fishing vessel. No sighting was made in the proximity of the Project's alignment. The distribution of dolphin sighting during the reporting month is shown in *Figure 2.5*.

Encounter rates of Chinese White Dolphins are deduced from the survey effort and on-effort sighting data made under favourable conditions (Beaufort 3 or below) in July 2015 are shown in *Tables 2.12 & 2.13*.

Table 2.12 Individual Survey Event Encounter Rates

		Encounter rate (STG) (no. of on-effort dolphin sightings per 100 km of survey effort)	**Encounter rate (ANI) (no. of dolphins from all on-effort sightings per 100 km of survey effort)**
		Primary Lines Only	Primary Lines Only
NEL	Set 1: July 2nd / 7th	0.0	0.0
	Set 2: July 22nd / 27th	0.0	0.0
NWL	Set 1: July 2nd / 7th	1.7	3.4
	Set 2: July 22nd / 27th	3.5	6.9

Note: Dolphin Encounter Rates are deduced from the two sets of surveys (two surveys in each set) in July 2015 in Northeast (NEL) and Northwest Lantau (NWL)

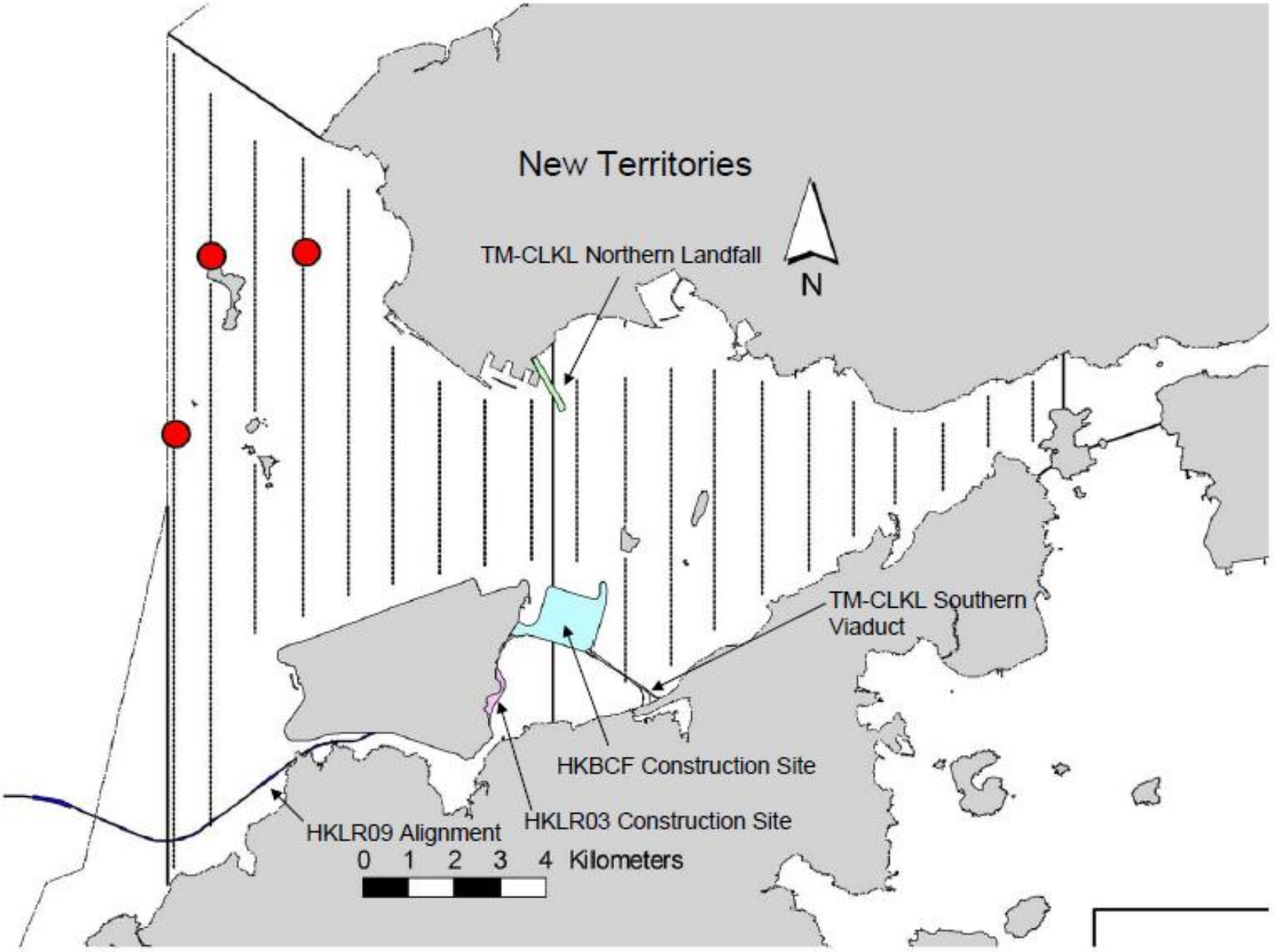

Figure 2.5

Date 7/8/2015

HY/2012/07 TM-CLKL Southern Connection Viaduct Section
The distribution of dolphin sightings during the reporting period
(Source: Adopted from HKLR03 Monitoring Survey in July 2015)

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Table 2.13 Monthly Average Encounter Rates

	Encounter rate (STG) (no. of on-effort dolphin sightings per 100 km of survey effort)		Encounter rate (ANI) (no. of dolphins from all on-effort sightings per 100 km of survey effort)	
	Primary Lines Only	**Both Primary and Secondary Lines**	**Primary Lines Only**	**Both Primary and Secondary Lines**
Northeast Lantau	0.0	0.0	0.0	0.0
Northwest Lantau	2.6	2.0	5.1	4.1

Note: Overall dolphin encounter rates (sightings per 100 km of survey effort) from all four surveys are conducted in July 2015 on primary lines only as well as both primary lines and secondary lines in Northeast and Northwest Lantau

No unacceptable impact from the construction activities of the TM-CLKL Southern Connection Viaduct Section on Chinese White Dolphins was noticeable from general observations during the dolphin monitoring in this reporting month.

Due to monthly variation in dolphin occurrence within the study area, it would be more appropriate to draw conclusion on whether any impacts on dolphins have been detected related to the construction activities of the TM-CLKL Southern Connection Viaduct Section in the quarterly EM&A reports, where comparison on distribution, group size and encounter rates of dolphins between the quarterly impact monitoring period and baseline monitoring period will be made.

2.4.8 Marine Mammal Exclusion Zone Monitoring

Daily 250 m marine mammal exclusion zone monitoring was undertaken during the period of marine works activities being undertaken. Passive Acoustic Monitoring (PAM) was not implemented as the marine piling works were not carried out outside the daylight hours in this reporting month. No sighting of Indo-Pacific humpback dolphin *Sousa chinensis* (i.e. Chinese White Dolphin) were recorded in July 2015 during the exclusion zone monitoring.

2.5 EM&A SITE INSPECTION

Site inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures under the Contract. In the reporting month, five (5) site inspections were carried out on 2, 9, 14, 22 and 30 July 2015.

Key observations during the site inspections are summarized in *Table 2.14*.

Table 2.14 Specific Observations Identified during the Weekly Site Inspections in this Reporting Month

Inspection Date	Environmental Observations	Recommendations/ Remarks
2 July 2015	Area 1 • Chemical containers were not placed in drip tray. • Refuse was found in drainage. Area 2 • EP was not displayed.	Area 1 • Chemical containers should be placed in drip tray. • Refuse in drainage should be cleaned up regularly. Area 2 • EP should be displayed.
9 July 2015	Pier A2 • Gutter was not properly installed. Seafront • A drip tray was not plugged. • A power pack was not placed in drip tray. • Checklist for a wet sep was not displayed.	Pier A2 • Gutter should be properly installed. Seafront • Drip tray should be plugged. • Power pack should be placed in drip tray. • Checklist for wet sep should be displayed.
14 July 2015	Area 1 • The ground was partially dry. • Some chemical containers were not placed in drip tray. • The old EP was displayed. Site Access 4A • A drip tray for air compressor contained stagnant water. Pier D12 A • Stagnant water was accumulated in drip tray. Pier D10 • The ground was partially dry. • Some chemical containers were not placed in drip tray.	Area 1 • Unpaved area should be watered to avoid dust emission. • Chemical containers should be placed in drip tray. • The old EP was removed immediately. Site Access 4A • Stagnant water in drip tray should be removed to avoid overflow. Pier D12 A • Stagnant water in drip tray should be removed to avoid overflow. Pier D10 • Unpaved area should be watered to avoid dust emission. • Chemical containers should be placed in drip tray.
22 July 2015	Slope B/F8 • Oil stain was found in drainage. • Chemical containers were not placed in drip tray. Slope B/C9 • Chemical containers of Aqua Sed were not labelled. Seafront • Chemical containers were not placed in drip tray.	Slope B/F8 • Oil stain in drainage should be removed. • Chemical containers should be placed in drip tray. Slope B/C9 • Chemical containers should be labelled. Seafront • Chemical containers should be placed in drip tray.

Inspection Date	Environmental Observations	Recommendations/ Remarks
30 July 2015	Pier D5 • A drip tray for generator was not plugged. • A decoupling mat was damaged. • A part of gutter was damaged. Barge Kiu Lik (next to Pier A7) • A drip tray for generator was not plugged. • Some chemical containers were not placed in drip tray. Pier E12 • A generator was not placed on acoustic decoupling mat.	Pier D5 • Drip tray for generator should be plugged. • Damaged decoupling mat should be replaced by new decoupling mat. • Damaged gutter should be repaired to avoid runoff. Barge Kiu Lik (next to Pier A7) • Drip tray for generator should be plugged. • Chemical containers should be placed in drip tray. Pier E12 • Generator should be placed on acoustic decoupling mat.

The Contractor has rectified all of the observations identified during environmental site inspections in the reporting month.

2.6 WASTE MANAGEMENT STATUS

The Contractor has submitted application form for registration as chemical waste producer under the Contract. Sufficient numbers of receptacles were available for general refuse collection and sorting.

Wastes generated during this reporting period include mainly construction wastes (inert and non-inert), imported fill, recyclable materials and chemical wastes. Reference has been made to the waste flow table prepared by the Contractor (*Appendix M*). The quantities of different types of wastes are summarized in *Table 2.15*.

Table 2.15 Quantities of Different Waste Generated in the Reporting Period

Month/Year	Inert C&D Materials [a] (m^3)	Imported Fill (m^3)	Inert Construction Waste Re-used (m^3)	Non-inert Construction Waste [b] (kg)	Recyclable Materials [c] (kg)	Chemical Wastes (kg)	Marine Sediment (m^3)	
							Category L	Category M (M_p & M_f)
July 2015	2,322	78	992	111,570	105	1,400	0	0

Notes:

(a) Inert construction wastes include hard rock and large broken concrete, and materials disposed as public fill.

(b) Non-inert construction wastes include general refuse disposed at landfill.

(c) Recyclable materials include metals, paper, cardboard, plastics, timber, felled trees and others.

The Contractor was advised to properly maintain on site C&D materials and waste collection, sorting and recording system, dispose of C&D materials and wastes at designated ground and maximize reuse/ recycle of C&D materials and wastes. The Contractor was also reminded to properly maintain the site tidiness and dispose of the wastes accumulated on site regularly and properly.

For chemical waste containers, the Contractor was reminded to treat properly and store temporarily in designated chemical waste storage area on site in

accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes.

2.7 *ENVIRONMENTAL LICENSES AND PERMITS*

The status of environmental licensing and permit is summarized in *Table 2.16* below.

Table 2.16 Summary of Environmental Licensing and Permit Status

License/ Permit	License or Permit No.	Date of Issue	Date of Expiry	License/ Permit Holder	Remarks
Environmental Permit	EP-354/2009/D	13 March 2015	N/A	HyD	Tuen Mun- Chek Lap Kok Link
Construction Dust Notification	361571	5 Jul 2013	N/A	GCL	
Construction Dust Notification	362093	17 Jul 2013	N/A	GCL	For Area 23
Chemical Waste Registration	5213-961-G2380-13	10 Oct 2013	N/A	GCL	Chemical waste produced in Contract HY/2012/07 (Area 1 adjacent to Cheng Tung Road, Siu Ho Wan)
Chemical Waste Registration	5213-961-G2380-14	10 Oct 2013	N/A	GCL	Chemical waste produced in Contract HY/2012/07 (Area 2 adjacent to Cheung Tung Road, Pak Mong Village)
Chemical Waste Registration	5213-974-G2588-03	4 Nov 2013	N/A	GCL	Chemical waste produced in Contract HY/2012/07 (WA5 adjacent to Cheung Tung Road, Yam O)
Chemical Waste Registration	5213-951-G2380-17	12 Jun 2014	N/A	GCL	Viaducts A, B, C, D & E
Construction Waste Disposal Account	7017735	10 Jul 2013	N/A	GCL	-
Construction Waste Disposal Account	7019470	3 Mar 2014	N/A	GCL	Vessel CHIT Account
Waste Water Discharge License	WT00019017-2014	13 May 2014	31 May 2019	GCL	Discharge for marine portion
Waste Water Discharge License	WT00019018-2014	13 May 2014	31 May 2019	GCL	Discharge for land portion
Construction Noise Permit	Nil	N/A	N/A	GCL	For Piling Works
Construction Noise Permit for night works and works in general holidays	GW-RW0093-15	26 Feb 2015	26 Aug 2015	GCL	General works at WA5
Construction Noise Permit for night works and works in general holidays	GW-RS0307-15	27 Mar 2015	27 Sep 2015	GCL	For Load unload at NLH near Viaduct D
Construction Noise Permit for night works and works in general holidays	GW-RS0691-15	23 Jun 2015	22 Dec 2015	GCL	For Broad Permit
Construction Noise Permit for night works and works in general holidays	GW-RS0078-15	28 Jan 2015	29 Jul 2015	GCL	For Plant mobilization using tractor with trailer
Construction Noise Permit for night works and works in general holidays	GW-RS0539-15	14 May 2015	31 Jul 2015	GCL	B9-B16 Pier Head Segments Erection
Construction Noise Permit for night works and works in general holidays	GW-RS0137-15	12 Feb 2015	15 Aug 2015	GCL	Pre-casted pile cap shell installation at E10-E13
Construction Noise Permit for night works and	GW-RW0695-15	30 Jun 2015	30 Nov 2015	GCL	Segment Erection between B6-B11 by LG1

License/ Permit	License or Permit No.	Date of Issue	Date of Expiry	License/ Permit Holder	Remarks
works in general holidays					
Construction Noise Permit for night works and works in general holidays	GW-RS0769-15	15 Jul 2015	30 Sep 2015	GCL	TTA Case 009 Ch.2.1E-4.2E
Construction Noise Permit for night works and works in general holidays	GW-RS0489-15	8 May 2015	7 Aug 2015	GCL	B8 Pier Head Temp Works Lifting
Marine Dumping Permit	EP/MD/16-049	22 Jul 2015	26 Aug 2015	GCL	For dumping Type I (Dedicated Site) and Type II sediment
Marine Dumping Permit	EP/MD/15-257	2 Apr 2015	7 Oct 2015	GCL	For dumping Type I sediment

2.8 IMPLEMENTATION STATUS OF ENVIRONMENTAL MITIGATION MEASURES

In response to the site audit findings, the Contractors carried out corrective actions.

A summary of the Implementation Schedule of Environmental Mitigation Measures (EMIS) is presented in *Appendix C*. The necessary mitigation measures were implemented properly for this Contract.

The landscape and visual (L&V) mitigation measures were also monitored on weekly basis in the reporting period. The monitoring status is summarized in *Appendix C*.

2.9 SUMMARY OF EXCEEDANCES OF THE ENVIRONMENTAL QUALITY PERFORMANCE LIMIT

Results for water quality, 1-hour TSP, 24-hour TSP and construction noise monitoring complied with the Action/ Limit levels in the reporting period.

Cumulative statistics on exceedances is provided in *Appendix N*.

2.10 SUMMARY OF COMPLAINTS, NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTIONS

The Environmental Complaint Handling Procedure is provided in *Figure 2.6*

There was no environmental complaint, notification of summons or successful prosecution recorded in the reporting period.

Statistics on complaints, notifications of summons, successful prosecutions are summarized in *Appendix N*.

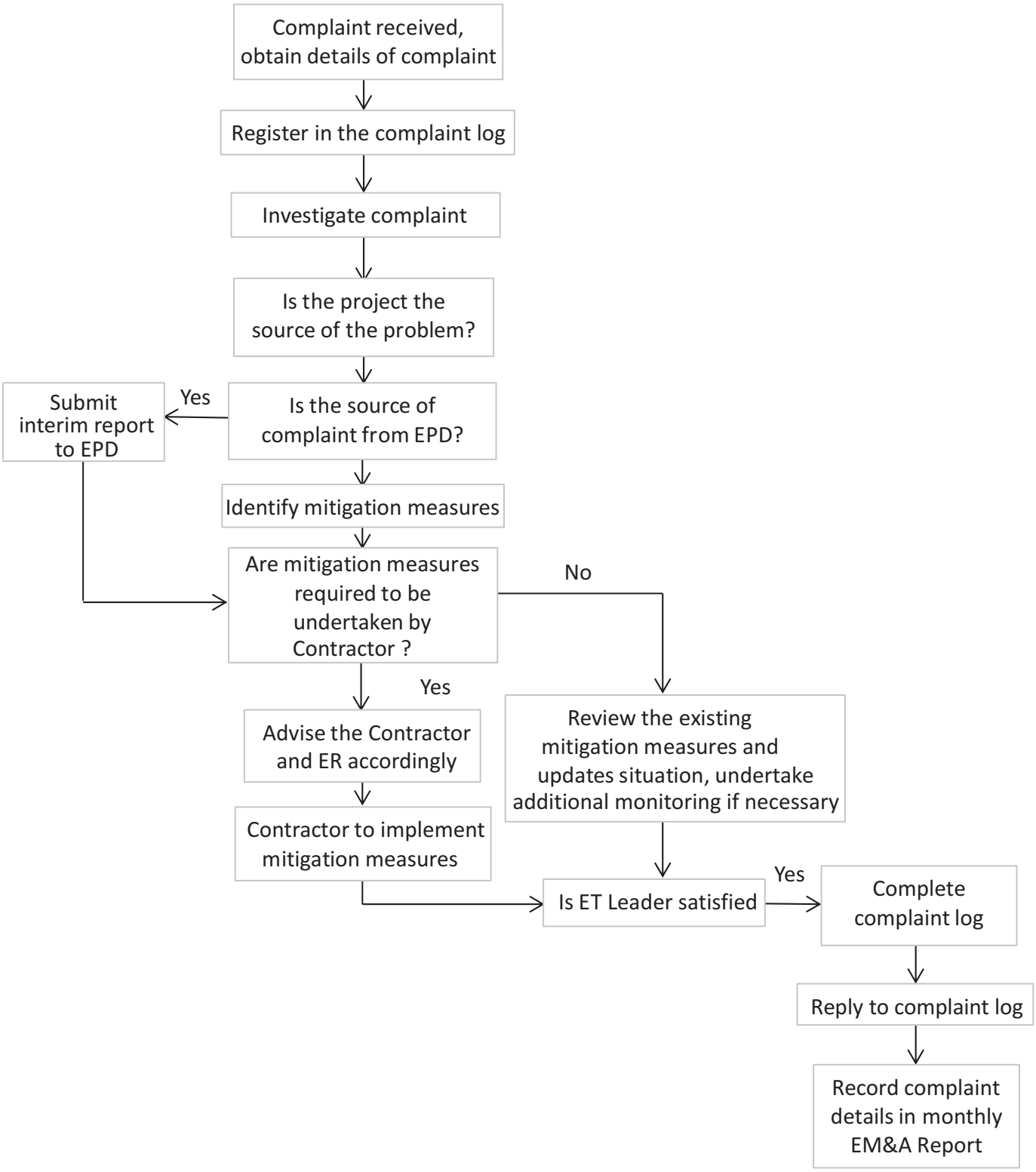

Figure 2.6 Environmental Complaint Handling Procedure

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3 FUTURE KEY ISSUES

3.1 CONSTRUCTION PROGRAMME FOR THE COMING MONTHS

As informed by the Contractor, the major works for this Contract in August 2015 will be:

Marine Works

- Construction and installation of pile caps;
- Uninstallation of marine piling platform;
- Pile cap installation;
- Pier construction;
- Launching gantry assembly;
- Marine piling and
- Installation of pier head segment

Land-based Works

- Predrilling at Viaduct F;
- Construction and installation of pile caps;
- Pier construction;
- Pile cap installation;
- Re-alignment of Cheung Tung Road;
- Land piling;
- Pre-drilling works;
- Installation of pier head segment;
- Additional land GI, trial pits & lab testing;
- Relocation of MTRC fence; and
- Slope work of Viaducts A & B.

3.2 KEY ISSUES FOR THE COMING MONTH

Potential environmental impacts arising from the above upcoming construction activities in the next reporting month of August 2015 are mainly associated with dust, noise, marine water quality, marine ecology and waste management issues.

3.3 MONITORING SCHEDULE FOR THE COMING MONTH

The tentative schedules for environmental monitoring in August 2015 are provided in *Appendix F*.

4 CONCLUSIONS AND RECOMMENDATIONS

4.1 CONCLUSIONS

This Twenty-first Monthly EM&A Report presents the findings of the EM&A activities undertaken during the period from 1 to 31 July 2015, in accordance with the Updated EM&A Manual and the requirements of the Environmental Permit (*EP-354/2009/D*).

Air quality (including 1-hour TSP and 24-hour TSP), noise, water quality, and dolphin monitoring were carried out in the reporting month. Results for water quality, 1-hour TSP, 24-hour TSP and noise monitoring complied with the Action and Limit levels in the reporting period.

Three (3) groups of six (6) Chinese White Dolphins were sighted during the two sets of monitoring surveys in July 2015. All three (3) sightings were made in NWL, while no dolphin was sighted in NEL. During surveys of July 2015, all three (3) dolphin sightings were made on primary lines during on-effort search, and none of the dolphin groups was associated with operating fishing vessel. No sighting was made in the proximity of the Project's alignment. During this month of dolphin monitoring, no unacceptable impact from the construction activities of the TM-CLKL Southern Connection Viaduct Section on Chinese White Dolphins was noticeable from general observations.

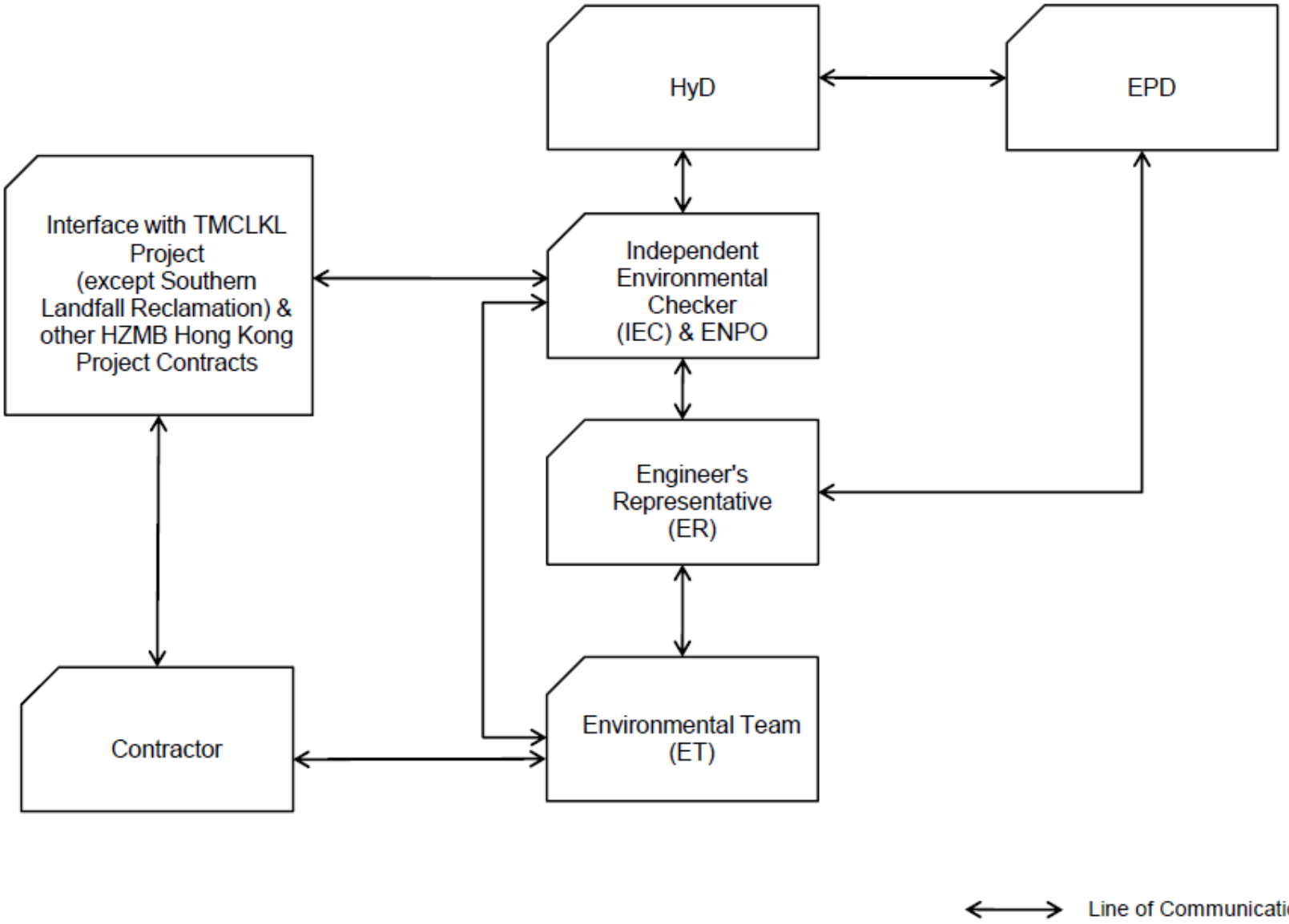
Environmental site inspection was carried out five (5) times in July 2015. Recommendations on remedial actions were given to the Contractor for the deficiencies identified during the site audits.

There was no environmental complaint, notification of summons or successful prosecution recorded in the reporting period.

The ET will keep track on the construction works to confirm compliance of environmental requirements and the proper implementation of all necessary mitigation measures.

Appendix A

Project Organization for Environmental Works



Appendix A1

Contract No. HY/2012/07 Southern Connection Viaduct Section
Project Organization

DATE: 06/03/2013

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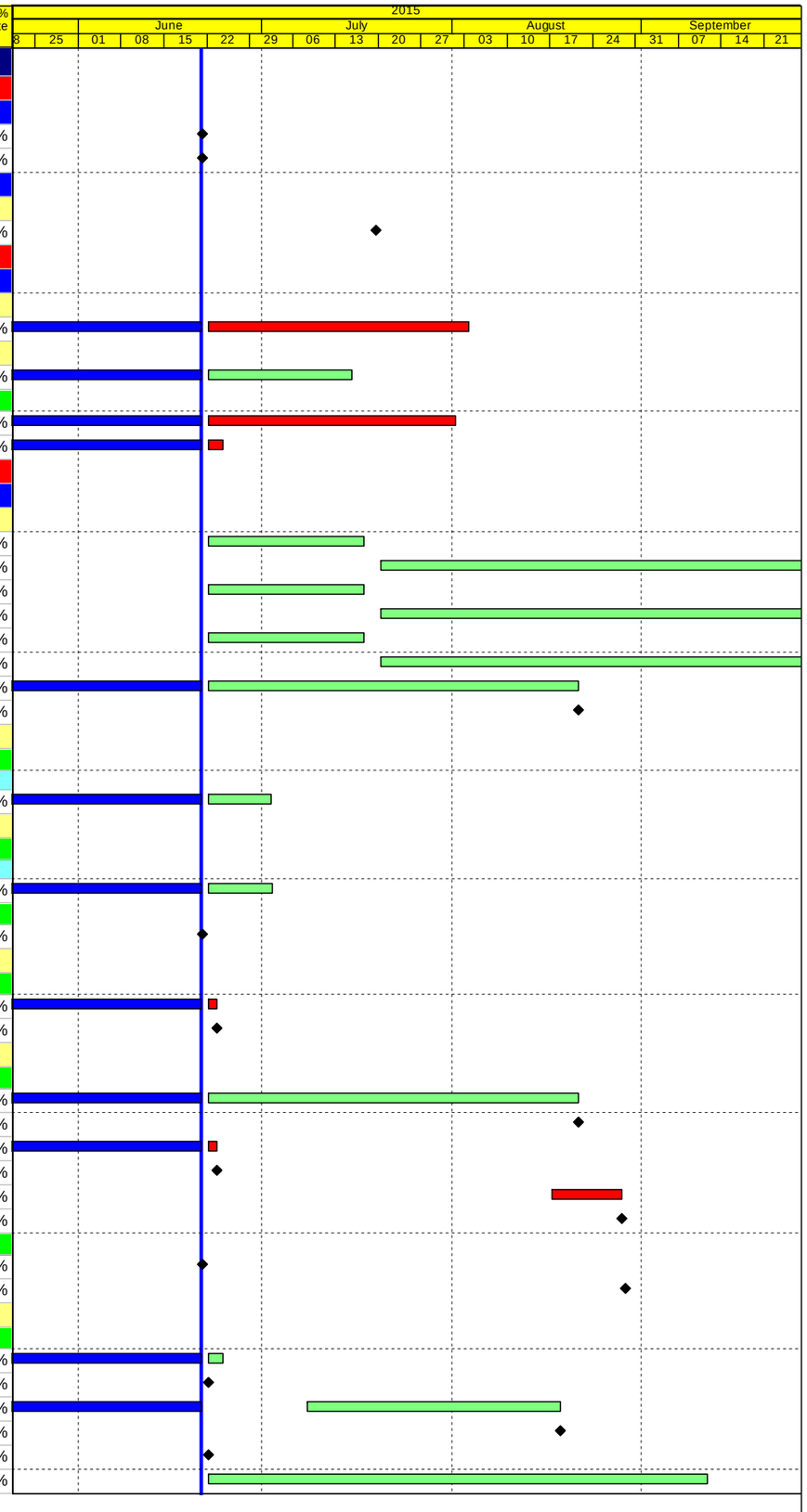
Appendix B

Three-Month Rolling Construction Programme

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
HY/2012/07 - TM-CLK Link-SC [DWP rE1] - Status Update 21-06-2015											
Contract Key Dates											
Possession Dates / Access Period											
POS02	Portion A (Commencement of Works+499 days)	0	21-Jun-15*	0%	0		03-Jun-15		-18	0	0%
POS03	Portion B (Commencement of Works+619 days)	0	21-Jun-15*	0%	0		03-Jun-15		-18	0	0%
Section Completion Dates											
Vacate Works Area											
VAC05	Vacate Works Area WA5 (Zone 5C) (Commencement of Works+758 days)	0		0%	0	19-Jul-15*		19-Jul-15	0	1245	0%
General Submissions											
General Requirements											
Temporary Works Design											
PR00130	Unloading Jetty at HKBCF - Working Platform design and approval	90	02-Jun-14 A	60%	36	03-Aug-15	14-May-15	26-Jun-15	-31	1002	10%
Land Works											
PR00160	Propose/submit a performance review for piled fnds in accordance w/ ETWB	101	26-May-14 A	80.2%	20	15-Jul-15	13-Jan-16	04-Feb-16	169	363	80%
Land GI Works											
PR02204	SQR Sampling & Testing and Approval	110	14-Aug-14 A	68.18%	35	01-Aug-15	24-Sep-14	05-Nov-14	-217	0	68%
PR03110	Trial Pits along Cheung Tung Road	20	21-Oct-13 A	85%	3	24-Jun-15	03-Nov-14	05-Nov-14	-185	34	85%
Design Submissions											
Detailed Design (v18.8 18-08-14)											
General Submissions											
ARDD0037-1	Preparation of Seismic Performance Report Viaduct A,B,C,D - AP12.01	20	22-Jun-15	0%	20	17-Jul-15	25-Sep-15	22-Oct-15	69	0	0%
ARDD0037-2	IC/SO Approval of Seismic Performance Report Viaduct A,B,C,D - AP12.01	75	20-Jul-15	0%	75	30-Oct-15	23-Oct-15	04-Feb-16	69	241	0%
ARDD0037-4	Preparation of Seismic Performance Report Viaduct E - AP12.02	20	22-Jun-15	0%	20	17-Jul-15	25-Sep-15	22-Oct-15	69	0	0%
ARDD0037-5	IC/SO Approval of Seismic Performance Report Viaduct E - AP12.02	75	20-Jul-15	0%	75	30-Oct-15	23-Oct-15	04-Feb-16	69	0	0%
ARDD0037-7	Preparation of Seismic Performance Report Viaduct F - AP12.03	20	22-Jun-15	0%	20	17-Jul-15	25-Sep-15	22-Oct-15	69	0	0%
ARDD0037-8	IC/SO Approval of Seismic Performance Report Viaduct F - AP12.03	75	20-Jul-15	0%	75	30-Oct-15	23-Oct-15	04-Feb-16	69	0	0%
ARDD0042-2	IC/SO Approval of O&M Facility Provisions DDA - BP11.01	75	14-Jan-15 A	40%	45	21-Aug-15	21-Aug-15	22-Oct-15	44	0	50%
ARDD0042-4	IC/SO Approval of O&M Facility Provisions DDA - BP11.01	0		0%	0	21-Aug-15		22-Oct-15	44	65	0%
Viaduct E5 and E6											
Viaduct Design											
Viaduct E5 E6 Superstructure Optimisation											
TGP0550	Viaduct E5 & E6 - Preparation of Optimised Movement Joint Schedule	15	03-Feb-15 A	45%	8	02-Jul-15	24-Nov-15	04-Dec-15	112	76	45%
Viaduct E7 & E8											
Viaduct Design											
Viaduct E7 E8 Superstructure Optimisation											
TGP0750	Viaduct E7 & E8 - Preparation of Optimised Movement Joint Schedule	15	03-Feb-15 A	40%	9	02-Jul-15	24-Nov-15	04-Dec-15	111	75	40%
Associated Construction Milestones											
ARDD0220	Viaduct E7 & E8 - DDA approval ready for Initial Segment Casting	0	21-Jun-15	0%	0		26-May-15		-26	106	0%
Viaduct D											
Viaduct Design											
ARDD0333	Viaduct D - IC/SO Consent of Supplemental Working Drawings Viaduct D	10	28-Apr-15 A	80%	2	23-Jun-15	13-Nov-14	14-Nov-14	-157	0	80%
ARDD0333	Viaduct D - IC/SO Consent of Supplemental Working Drawings Viaduct D	0		0%	0	23-Jun-15		14-Nov-14	-157	0	0%
Viaduct C											
Viaduct Design											
ARDD0384	Viaduct C - Coordination and Further Issue of Construction Method and Temp	60	02-Mar-15 A	25%	45	21-Aug-15	15-Oct-18	14-Dec-18	865	0	0%
ARDD0384	Viaduct C - GCL/FRE Final Coordinated Construction Method/Temporary Wo	0		0%	0	21-Aug-15		14-Dec-18	865	865	0%
ARDD0384	Viaduct C - Preparation and Coordination of Working Drawing Set	10	22-Apr-15 A	80%	2	23-Jun-15	26-Feb-15	27-Feb-15	-82	0	100%
ARDD0384	Viaduct C - Submission of Working DDA Drawings for Viaduct C DP13.03	0		0%	0	23-Jun-15		27-Mar-15	-62	38	0%
ARDD0384	Viaduct C - IC/SO Consent of Supplemental Working Drawings Viaduct C	10	17-Aug-15	0%	10	28-Aug-15	30-Mar-15	10-Apr-15	-100	0	0%
ARDD0384	Viaduct C - IC/SO Consent of Supplemental Working Drawings Viaduct C	0		0%	0	28-Aug-15		10-Apr-15	-100	0	0%
Associated Construction Milestones											
ARDD0413	Viaduct C - DDA approval ready for Commencement of Pilecaps C1-C17	0	21-Jun-15	0%	0		19-Dec-14		-184	1	0%
ARDD0414	Viaduct C - DDA approval ready for Initial Segment Casting	0	29-Aug-15	0%	0		10-Apr-15		-141	1	0%
Viaduct A											
Viaduct Design											
ARDD0433	Viaduct A - Review and Update of Draft DDA Rev A1 - DP11.03	15	19-Feb-15 A	80%	3	24-Jun-15	12-Dec-18	14-Dec-18	907	907	80%
ARDD0434	Viaduct A - Earliest IC Certificate for DDA DP11.02, DP11.03	0		0%	0	22-Jun-15		14-Jan-16	149	0	0%
ARDD0435	Viaduct A - IC/SO Approval of DDA DP11.03	75	23-Feb-15 A	60%	30	18-Aug-15	02-Feb-16	14-Mar-16	149	0	60%
ARDD0435	Viaduct A - IC/SO Approval of DDA DP11.03	0		0%	0	18-Aug-15		14-Mar-16	149	25	0%
ARDD0435	Viaduct A - GCL/FRE Issue of Construction Method/Temporary Work Data	0		0%	0	22-Jun-15		18-Nov-15	108	0	0%
ARDD0435	Viaduct A - Coordination and Further Issue of Construction Method and Temp	60	22-Jun-15	0%	60	11-Sep-15	19-Nov-15	10-Feb-16	108	0	0%



Actual Work
Planned Bar
Critical Bar
Milestone

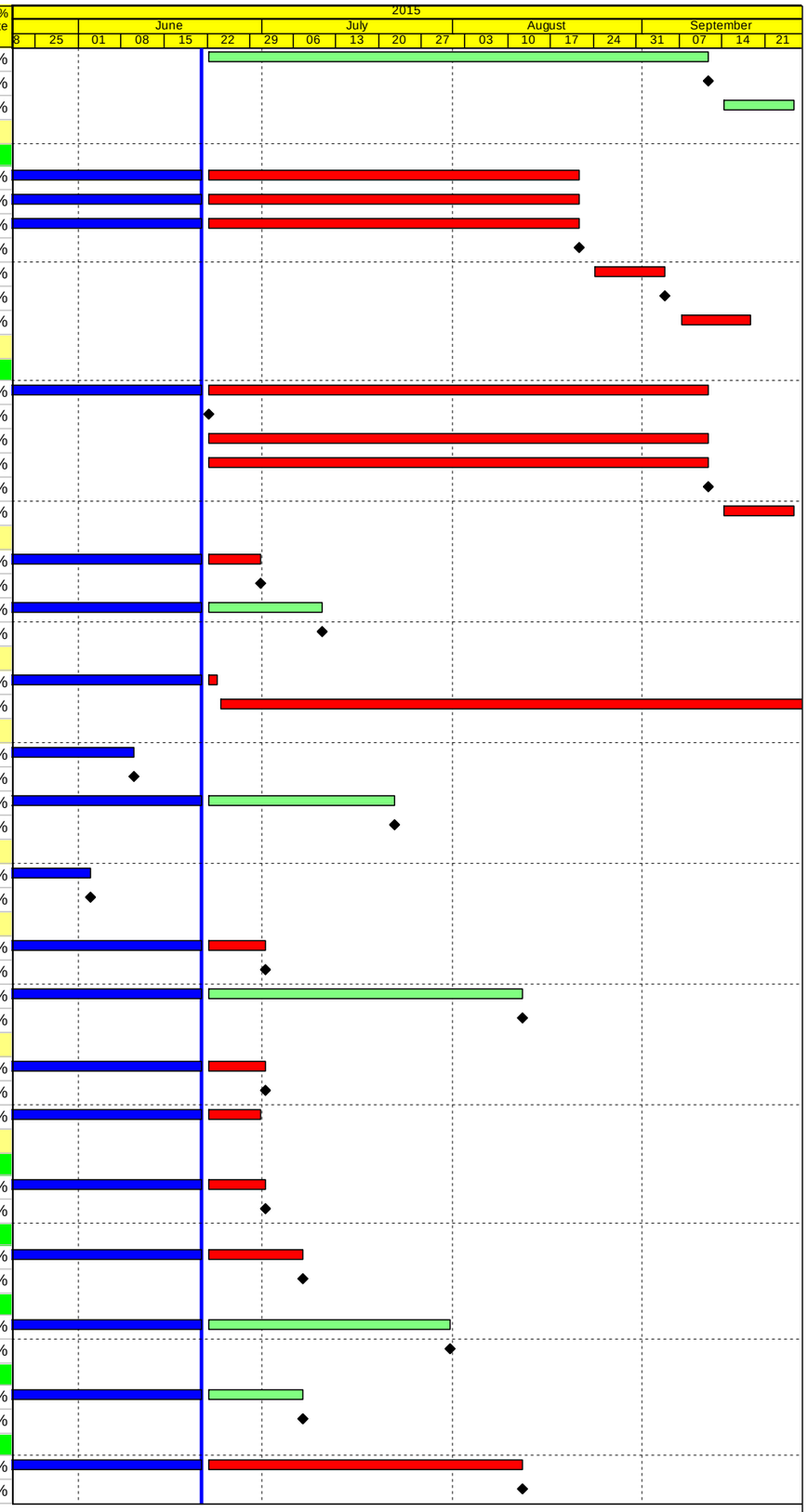
Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 1 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
ARDD0435	Viaduct A - Preparation of Draft DDA Working Drawing Set	60	22-Jun-15	0%	60	11-Sep-15	19-Nov-15	10-Feb-16	108	0	0%
ARDD0435	Viaduct A - GCL/FRE Final Coordinated Construction Method/Temporary Wo	0		0%	0	11-Sep-15		10-Feb-16	108	0	0%
ARDD0435	Viaduct A - Preparation and Coordination of Working Drawing Set	10	14-Sep-15	0%	10	25-Sep-15	11-Feb-16	24-Feb-16	108	0	0%
Viaduct F1 & F3											
Viaduct Design											
ARDD0485	Viaduct F1 & F3 - IC/SO Approval of DDA - DP16.02, 16.03, 16.08, 16.09	75	25-Nov-14 A	40%	45	21-Aug-15	17-Dec-14	17-Feb-15	-133	25	40%
ARDD0486	Viaduct F1 & F3 - Coordination and Further Issue of Construction Method an	60	02-Mar-15 A	25%	45	21-Aug-15	03-Dec-14	03-Feb-15	-143	0	0%
ARDD0486	Viaduct F1 & F3 - Preparation of Draft Working Drawing Set	60	02-Mar-15 A	25%	45	21-Aug-15	03-Dec-14	03-Feb-15	-143	0	0%
ARDD0486	Viaduct F1 & F3 - GCL/FRE Final Coordinated Construction Method/Tempora	0		0%	0	21-Aug-15		03-Feb-15	-143	0	0%
ARDD0486	Viaduct F1 & F3 - Preparation and Coordination of DDA/Working Drawing Set	10	24-Aug-15	0%	10	04-Sep-15	04-Feb-15	17-Feb-15	-143	0	0%
ARDD0486	Viaduct F1 & F3 - Submission of Working DDA Drawings Viaduct F1,F3 DP1	0		0%	0	04-Sep-15		10-Jul-15	-40	0	0%
ARDD0486	Viaduct F1 & F3 - IC/SO Consent of Supplemental Working Drawings Viaduc	10	07-Sep-15	0%	10	18-Sep-15	13-Jul-15	24-Jul-15	-40	5	0%
Viaduct F2, F4 and F5											
Viaduct Design											
ARDD0529	Viaduct F2, F4 & F5 - IC/SO Approval of DDA - DP16.05, 06, 11, 12, 14, 15	75	25-Nov-14 A	20%	60	11-Sep-15	09-Feb-15	04-May-15	-95	10	20%
ARDD0530	Viaduct F2, F4 & F5 - GCL/FRE Issue of Construction Method/Temporary W	0		0%	0	22-Jun-15		11-Nov-14	-158	0	0%
ARDD0530	Viaduct F2, F4 & F5 - Coordination and Further Issue of Construction Metho	60	22-Jun-15	0%	60	11-Sep-15	12-Nov-14	03-Feb-15	-158	0	0%
ARDD0530	Viaduct F2, F4 & F5 - Preparation of Draft Working Drawing Set	60	22-Jun-15	0%	60	11-Sep-15	12-Nov-14	03-Feb-15	-158	0	0%
ARDD0530	Viaduct F2, F4 & F5 - GCL/FRE Final Coordination Construction Method/Ten	0		0%	0	11-Sep-15		03-Feb-15	-158	0	0%
ARDD0530	Viaduct F2, F4 & F5 - Preparation and Coordination of DDA/Working Drawin	10	14-Sep-15	0%	10	25-Sep-15	04-Feb-15	17-Feb-15	-158	0	0%
Parapet and Utility Trough											
ARDD0562-4	IC/SO Approval of DDA -DP30.01	75	31-Jul-14 A	90.67%	7	30-Jun-15	05-Feb-15	13-Feb-15	-97	0	90%
ARDD0562-5	IC/SO Approval of DDA -DP30.01	0		0%	0	30-Jun-15		13-Feb-15	-97	1	0%
ARDD0566	IC/SO Approval of DDA -DP31.01	75	24-Oct-14 A	80%	15	10-Jul-15	04-Sep-15	24-Sep-15	54	0	80%
ARDD0566-1	IC/SO Approval of DDA -DP31.01	0		0%	0	10-Jul-15		24-Sep-15	54	125	0%
Slopeworks for Viaduct B: 9SE- B/C8, B/C9, B/F9, B/F85+ 10SW-A/F52, A/F53											
ARDD0580-5	Preparation of Slope A/F52 Submission - CP12.03	20	10-Feb-15 A	90%	2	23-Jun-15	23-Apr-15	24-Apr-15	-42	0	90%
ARDD0580-6	IC/SO Approval of Slope - CP12.03	75	24-Jun-15	0%	75	06-Oct-15	27-Apr-15	07-Aug-15	-42	0	0%
Slopeworks for Viaduct C: 10NW -C/C22, C/C26, C/C27, C/F13, C/F14. C/F15											
ARDD0587	IC/SO Approval of Slope Combined AIP/DDA -CP13.01	190	19-Nov-13 A	100%	0	10-Jun-15 A					100%
ARDD0587-1	IC/SO Approval of Slope Combined AIP/DDA -CP13.01	0		100%	0	10-Jun-15 A					100%
ARDD0588-2	IC/SO Approval of Combined AIP/DDA -CP13.02	75	25-Feb-15 A	70%	23	22-Jul-15	17-Jun-16	19-Jul-16	260	0	70%
ARDD0588-3	IC/SO Approval of Combined AIP/DDA -CP13.02	0		0%	0	22-Jul-15		19-Jul-16	260	108	0%
Slopeworks for Viaduct A: 9SE-B/FR8, B/R1, B/R2											
ARDD0595	IC/SO Approval of Slope Combined AIP/DDA -CP11.01	75	31-Jul-14 A	100%	0	03-Jun-15 A					100%
ARDD0595-1	IC/SO Approval of Slope Combined AIP/DDA -CP11.01	0		100%	0	03-Jun-15 A					100%
Slopeworks for Viaduct D: 10NW -C/R4, C/F9, C/F10, C/F11, C/F17, C/F50											
ARDD0603	IC/SO Approval of Slope Combined AIP/DDA -CP14.01	75	16-Dec-14 A	90%	8	01-Jul-15	26-May-15	04-Jun-15	-19	0	90%
ARDD0603-1	IC/SO Approval of Slope Combined AIP/DDA -CP14.01	0		0%	0	01-Jul-15		04-Jun-15	-19	4	0%
ARDD0604-2	IC/SO Approval of Slope Combined AIP/DDA -CP14.02	75	18-May-15 A	50%	38	12-Aug-15	18-Aug-15	08-Oct-15	42	0	50%
ARDD0604-3	IC/SO Approval of Revised Slope Combined AIP/DDA -CP14.02	0		0%	0	12-Aug-15		08-Oct-15	42	64	0%
Waterworks, Drainage & Utility Diversions											
ARDD0629	IC/SO Approval of Waterworks, Drainage & Utility DDA - BP20.01	75	22-Jul-14 A	90%	8	01-Jul-15	16-Jun-15	25-Jun-15	-4	0	100%
ARDD0629-1	IC/SO Approval of Waterworks, Drainage & Utility DDA - BP20.01	0		0%	0	01-Jul-15		25-Jun-15	-4	0	0%
ARDD0629-2	Gov't Approval of Submissions for Waterworks, Drainage & Utility Diversions	75	02-Jan-14 A	90.67%	7	30-Jun-15	17-Jun-15	25-Jun-15	-3	1	90%
Viaduct Approach Ramp Retaining Walls											
Approach Ramp D											
ARDD0652	Approach D - IC/SO Approval of Approach Ramp D DDA - DP23.01	75	25-Sep-14 A	90%	8	01-Jul-15	15-Apr-15	24-Apr-15	-48	0	90%
ARDD0652	Approach D - IC/SO Approval of Approach Ramp D DDA - DP23.01	0		0%	0	01-Jul-15		24-Apr-15	-48	1	0%
Approach Ramp C											
ARDD0658	Approach C - IC/SO Approval of Approach Ramp C DDA -DP20.01	75	03-Oct-14 A	84%	12	07-Jul-15	26-Mar-15	10-Apr-15	-62	0	90%
ARDD0658	Approach C - IC/SO Approval of Approach Ramp C DDA -DP20.01	0		0%	0	07-Jul-15		10-Apr-15	-62	38	0%
Approach Ramp B											
ARDD0664	Approach B - IC/SO Approval of Approach Ramp B DDA -DP21.01	75	14-Oct-14 A	60%	30	31-Jul-15	30-Nov-15	08-Jan-16	115	0	60%
ARDD0664	Approach B - IC/SO Approval of Approach Ramp B DDA -DP21.01	0		0%	0	31-Jul-15		08-Jan-16	115	213	0%
Approach A											
ARDD0670	Approach A - IC/SO Approval of Approach Ramp A DDA - DP20.01	75	03-Oct-14 A	84%	12	07-Jul-15	31-Aug-15	15-Sep-15	50	0	90%
ARDD0670	Approach A - IC/SO Approval of Approach Ramp A DDA - DP20.01	0		0%	0	07-Jul-15		15-Sep-15	50	0	0%
Approach F											
ARDD0676	Approach F - IC/SO Approval of Approach Ramp F DDA -DP24.01	75	23-Dec-14 A	50%	38	12-Aug-15	18-Mar-15	08-May-15	-68	0	50%
ARDD0676	Approach F - IC/SO Approval of Approach Ramp F DDA -DP24.01	0		0%	0	12-Aug-15		26-Nov-15	77	203	0%



Actual Work
Planned Bar
Critical Bar
Milestone

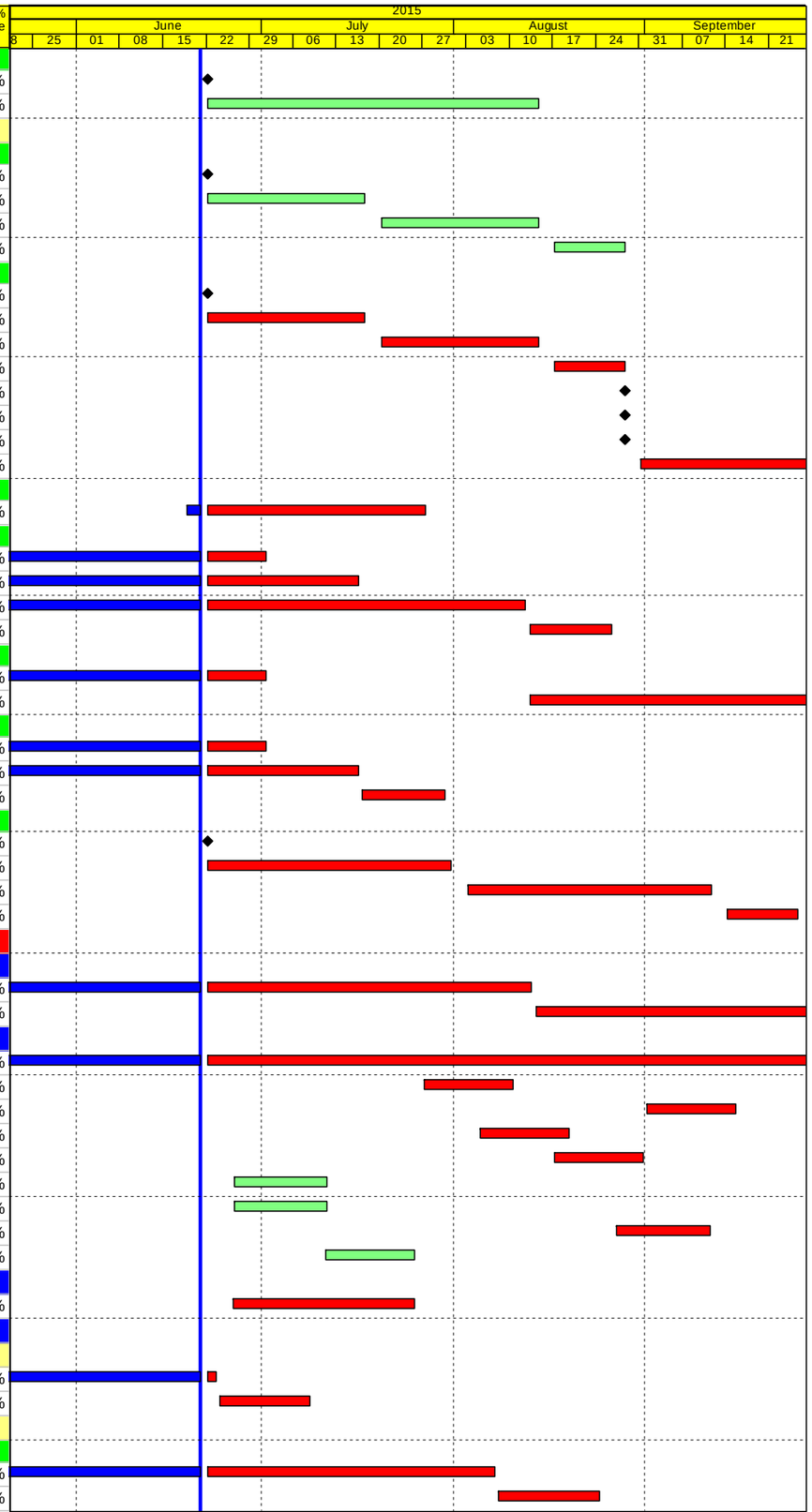
Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 2 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
Landscape											
ARDD0701	Water Supply Application to WSD	0		0%	0	22-Jun-15		01-Jan-16	140	0	0%
ARDD0702	Gov't Approval of LVIA	40	22-Jun-15	0%	40	14-Aug-15	04-Jan-16	26-Feb-16	140	180	0%
Segment Target Geometry And Erection Engineering											
Viaduct A											
ARDD0716	Viaduct A - Confirmation of Erection Sequence from Freyssinet	0		0%	0	22-Jun-15		16-Dec-15	128	0	0%
ARDD0717	Viaduct A - Erection Sequence Analysis	20	22-Jun-15	0%	20	17-Jul-15	17-Dec-15	13-Jan-16	128	0	0%
ARDD0718	Viaduct A - Target Geometry Analysis	20	20-Jul-15	0%	20	14-Aug-15	14-Jan-16	10-Feb-16	128	0	0%
ARDD0719	Viaduct A - Segment Geometry Schedules	10	17-Aug-15	0%	10	28-Aug-15	11-Feb-16	24-Feb-16	128	20	0%
Viaduct C											
ARDD0721	Viaduct C - Confirmation of Erection Sequence from Freyssinet	0		0%	0	22-Jun-15		02-Jan-15	-120	0	0%
ARDD0722	Viaduct C - Erection Sequence Analysis	20	22-Jun-15	0%	20	17-Jul-15	05-Jan-15	30-Jan-15	-120	0	0%
ARDD0723	Viaduct C - Target Geometry Analysis	20	20-Jul-15	0%	20	14-Aug-15	02-Feb-15	27-Feb-15	-120	0	0%
ARDD0724	Viaduct C - Segment Geometry Schedules	10	17-Aug-15	0%	10	28-Aug-15	02-Mar-15	13-Mar-15	-120	0	0%
ARDD0724	Viaduct C - Issue of Pierhead Segments Bridge C1, C2, C3, C4	0		0%	0	28-Aug-15		10-Apr-15	-101	0	0%
ARDD0724	Viaduct C - Issue of Casting Data and Segment Catalogue Bridge C4, C3 (Fi	0		0%	0	28-Aug-15		10-Apr-15	-101	0	0%
ARDD0724	Viaduct C - Issue of Casting Data and Segment Catalogue Bridge C2, C1 (Fi	0		0%	0	28-Aug-15		13-Mar-15	-120	0	0%
ARDD0724	Viaduct C - Issue Erection Manual	30	31-Aug-15	0%	30	09-Oct-15	16-Mar-15	24-Apr-15	-120	0	0%
Viaduct D											
ARDD0729	Viaduct D - Issue Erection Manual	30	19-Jun-15 A	15%	26	27-Jul-15	17-Feb-15	24-Mar-15	-89	0	15%
Viaduct E5 and E6											
ARDD0734	Viaduct E5 & E6 - Segment Geometry Schedules	10	05-May-14 A	20%	8	01-Jul-15	08-Oct-14	17-Oct-14	-183	0	20%
TGP0560	Viaduct E5 & E6 - Issue of Optimised Casting Data and Segment Catalogue	20	30-Apr-15 A	5%	19	16-Jul-15	29-Apr-15	25-May-15	-38	56	5%
TGP0570	Viaduct E5 & E6 - Issue of Optimised Casting Data and Segment Catalogue	40	30-Apr-15 A	5%	38	12-Aug-15	23-Dec-14	12-Feb-15	-129	0	5%
TGP0590	Viaduct E5 & E6 - Issue Erection Manual	10	13-Aug-15	0%	10	26-Aug-15	07-May-15	20-May-15	-70	98	0%
Viaduct E7 & E8											
ARDD0739	Viaduct E7 & E8 - Segment Geometry Schedules	10	05-May-14 A	20%	8	01-Jul-15	28-Apr-15	07-May-15	-39	90	20%
TGP0760	Viaduct E7 & E8 - Issue of Optimised Casting Data and Segment Catalogue	40	13-Aug-15	0%	40	07-Oct-15	13-Feb-15	09-Apr-15	-129	0	0%
Viaduct E2											
ARDD0749	Viaduct E2 - Segment Geometry Schedules	10	24-Mar-14 A	22%	8	01-Jul-15	15-Dec-14	24-Dec-14	-135	11	22%
TGP0260	Viaduct E2 - Issue of Optimised Casting Data and Segment Catalogue Bridg	20	04-May-15 A	5%	19	16-Jul-15	28-Oct-14	21-Nov-14	-169	0	5%
TGP0290	Viaduct E2 - Issue of Erection Manual	10	17-Jul-15	0%	10	30-Jul-15	25-Dec-14	07-Jan-15	-146	25	0%
Viaduct F											
ARDD0751	Viaduct F - Confirmation of Erection Sequence from Freyssinet	0		0%	0	22-Jun-15		11-Nov-14	-158	0	0%
ARDD0752	Viaduct F - Erection Sequence Analysis	30	22-Jun-15	0%	30	31-Jul-15	12-Nov-14	23-Dec-14	-158	0	0%
ARDD0753	Viaduct F - Target Geometry Analysis	30	03-Aug-15	0%	30	11-Sep-15	24-Dec-14	03-Feb-15	-158	0	0%
ARDD0754	Viaduct F - Segment Geometry Schedules	10	14-Sep-15	0%	10	25-Sep-15	04-Feb-15	17-Feb-15	-158	0	0%
Major Procurement											
Marine Permanent Navigaion Aids											
PR65011	Design & Approvals for Marine Navigation Aids	150	23-Oct-13 A	70%	45	13-Aug-15	10-Jun-15	03-Aug-15	-9	0	55%
PR65012	Procure & Deliver Marine Navigation Aids	240	14-Aug-15	0%	240	06-Jun-16	04-Aug-15	26-May-16	-9	0	0%
Tower Cranes											
PR66011	Procure & Deliver Tower Cranes	236	03-Oct-14 A	21.61%	185	30-Jan-16	12-Jan-15	27-Aug-15	-128	853	0%
PR66013	Erect & Commission Tower Crane @ E4	12	27-Jul-15	0%	12	10-Aug-15	12-Jan-15	24-Jan-15	-146	0	0%
PR66014	Erect & Commission Tower Crane @ E5	12	01-Sep-15	0%	12	15-Sep-15	24-Jun-15	09-Jul-15	-53	8	0%
PR66018	Erect & Commission Tower Crane @ E9	12	05-Aug-15	0%	12	19-Aug-15	28-Mar-15	16-Apr-15	-91	0	0%
PR66019	Erect & Commission Tower Crane @ E10	12	17-Aug-15	0%	12	31-Aug-15	16-May-15	01-Jun-15	-66	0	0%
PR66021	Erect & Commission Tower Crane @ E12A	12	26-Jun-15	0%	12	11-Jul-15	19-Aug-15	02-Sep-15	41	172	0%
PR66022	Erect & Commission Tower Crane @ E12B	12	26-Jun-15	0%	12	11-Jul-15	04-Dec-15	17-Dec-15	125	172	0%
PR66023	Erect & Commission Tower Crane @ E13-Sth	12	27-Aug-15	0%	12	11-Sep-15	07-May-15	22-May-15	-81	110	0%
PR66024	Erect & Commission Tower Crane @ E13-Nth	12	11-Jul-15	0%	12	25-Jul-15	03-Dec-15	16-Dec-15	113	185	0%
Equipment Platforms for Tower Cranes											
PR66026	Inst.Temp.Eqpt.Platform (piles & deck) @ E4	24	26-Jun-15	0%	24	25-Jul-15	11-Dec-14	10-Jan-15	-146	0	0%
Deck Segment Installation Equipment											
Launching Gantry 2											
PR67043	Launching Gantry 2 Fabrication	142	16-Jun-14 A	98.59%	2	23-Jun-15	19-Sep-14	20-Sep-14	-221	0	100%
PR67044	Launching Gantry 2 Delivery	12	24-Jun-15	0%	12	08-Jul-15	22-Sep-14	07-Oct-14	-221	0	0%
Lifting Frames											
Lifting Frames 1 & 2											
PR68013	Lifting Frame 1&2 Fabrication	85	24-Jan-15 A	52.94%	40	07-Aug-15	08-Jan-15	26-Feb-15	-131	0	0%
PR68014	Lifting Frame 1&2 Delivery	14	08-Aug-15	0%	14	24-Aug-15	27-Feb-15	14-Mar-15	-131	0	0%



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Planned Bar
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Tuen Mun - Chek Lap Kok Link - Southern Connection
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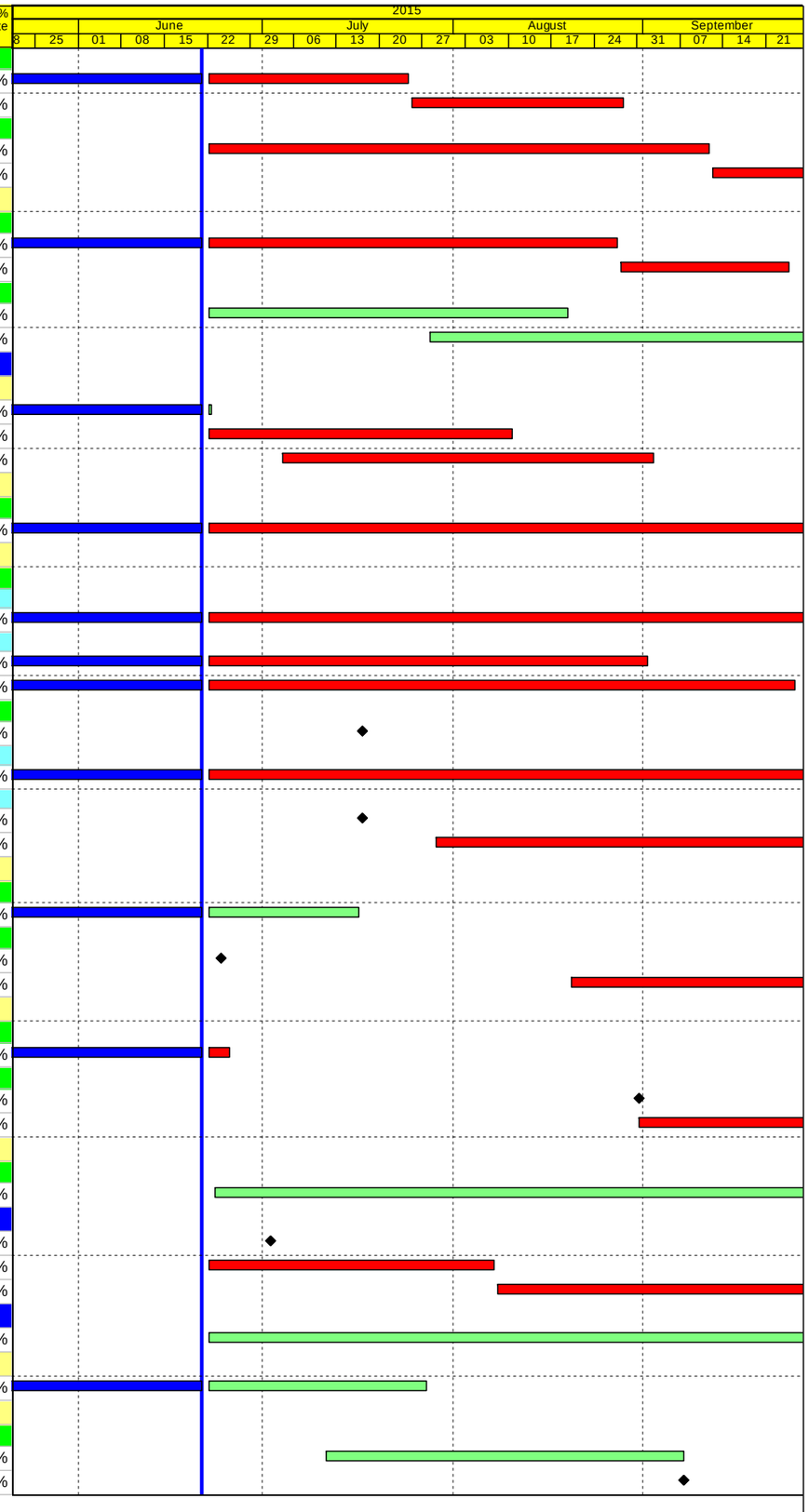
Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
Lifting Frames 3 & 4											
PR68017	Lifting Frame 3&4 Fabrication	85	29-Sep-14 A	67.06%	28	24-Jul-15	11-Feb-15	18-Mar-15	-102	0	10%
PR68018	Lifting Frame 3&4 Delivery	30	25-Jul-15	0%	30	28-Aug-15	19-Mar-15	27-Apr-15	-102	82	0%
Lifting Frames 5 & 6											
PR68019	Lifting Frame 5&6 Design	70	22-Jun-15	0%	70	11-Sep-15	15-Nov-14	07-Feb-15	-174	0	0%
PR68020	Lifting Frame 5&6 Approval	60	12-Sep-15	0%	60	24-Nov-15	09-Feb-15	27-Apr-15	-174	0	0%
Unloading Frames											
Type 1 (at B6 and D6)											
PR69110	Unloading Frame Type 1 Fabrication	80	23-Feb-15 A	28.75%	57	27-Aug-15	11-Apr-15	18-Jun-15	-58	0	0%
PR69120	Unloading Frame Type 1 Delivery (UF-1A & UF-1B)	24	28-Aug-15	0%	24	24-Sep-15	19-Jun-15	18-Jul-15	-58	5	0%
Type 2 (at Bridge E1)											
PR69170	Unloading Frame Type 2 Design	50	22-Jun-15	0%	50	19-Aug-15	18-Aug-15	16-Oct-15	48	0	0%
PR69180	Unloading Frame Type 2 Fabrication	80	28-Jul-15	0%	80	31-Oct-15	22-Sep-15	29-Dec-15	48	0	0%
Deck Segments & Precast Pile Cap Shells											
Preliminaries											
MBBE0050	Precast Segment Mould Fabrication & Erection (Viaduct A)	52	24-Dec-14 A	98.08%	1	22-Jun-15	23-Dec-15	23-Dec-15	154	0	100%
MBBE0054	Precast Segment Mould Design (Viaduct F1 to F5)	42	22-Jun-15	0%	42	10-Aug-15	19-Jun-15	08-Aug-15	-1	0	0%
MBBE0056	Precast Segment Mould Fabrication & Erection (Viaduct F1 to F5)	52	04-Jul-15	0%	52	02-Sep-15	03-Jul-15	01-Sep-15	-1	62	0%
Viaduct B											
Precast Deck Segments											
MBBE130-1	B: Progressive Match Cast Segment Manufacture & Delivery remaining segm	598	24-Oct-14 A	23.91%	455	29-Dec-16	22-Oct-14	06-May-16	-195	0	10.48%
Viaduct E											
Precast Pile Caps											
Viaduct E2											
PP7260	Production of Viaduct E2 Marine Precast Pile Cap Shells	80	12-Nov-14 A	0%	85	30-Sep-15	01-Apr-15	17-Jul-15	-63	953	33%
Viaduct E5, E6, E7 & E8											
PP7120	Production of Viaduct E5 & E6 Marine Precast Pile Cap Shells	151	13-Apr-15 A	59.6%	61	01-Sep-15	07-Jan-15	21-Mar-15	-132	977	0%
PP7190	Production of Viaduct E7 & E8 Marine Precast Pile Cap Shells	151	13-Apr-15 A	45.7%	82	25-Sep-15	07-Jan-15	20-Apr-15	-132	956	0%
Precast Deck Segments											
MBE00014	Viaduct E2 - Pier Head Segment Casting	0	17-Jul-15	0%	0		22-Nov-14		-189	0	0%
Viaduct E1											
MBEE013	E1: Progressive Segment Manufacture & Delivery remaining segments (188 I	457	08-Apr-15 A	2.41%	446	16-Dec-16	25-Nov-14	01-Jun-16	-166	592	0%
Viaduct E2											
MBEE012	E2: Commence Segment Casting on Approval of DDA	0	17-Jul-15	0%	0		22-Nov-14		-189	0	0%
MBEE013	E2: Progressive Segment Manufacture & Delivery remaining segments (414 I	376	29-Jul-15	0%	376	01-Nov-16	04-Dec-14	12-Mar-16	-189	47	0%
Viaduct D											
Precast Pile Caps											
MBDC013(	D: Progressive Pile Cap Shell Manufacture & Delivery remaining shells	143	29-Sep-14 A	85.31%	21	16-Jul-15	22-Nov-18	15-Dec-18	1017	1017	42.8%
Precast Deck Segments											
MBDE0120	D: Commence Segment Casting on Approval of DDA	0	24-Jun-15	0%	0		17-Nov-14		-175	0	0%
MBDE013(	D: Progressive Match Cast Segment Manufacture & Delivery (311 Nr)	315	20-Aug-15	0%	315	09-Sep-16	15-Jan-15	05-Feb-16	-175	1	0%
Viaduct C											
Precast Pile Caps											
MBCC013(	C: Progressive Pile Cap Shell Manufacture & Delivery remaining shells	117	01-Dec-14 A	96.58%	4	25-Jun-15	30-Dec-14	05-Jan-15	-138	1034	0%
Precast Deck Segments											
MBCE0120	C: Commence Segment Casting on Approval of DDA	0	31-Aug-15	0%	0		11-Apr-15		-117	0	0%
MBCE013(	C: Progressive Segment Manufacture & Delivery remaining segments (388 N	265	31-Aug-15	0%	265	23-Jul-16	11-Apr-15	01-Mar-16	-117	0	0%
Viaduct A											
Precast Pile Caps											
MBAC013(	A: Progressive Pile Cap Shell Manufacture & Delivery remaining shells	274	23-Jun-15	0%	274	25-May-16	24-Dec-15	26-Nov-16	154	11	0%
Parapets											
MBEE0090	Approval of DDA to start Precast Parapets/Barriers Casting	0	02-Jul-15	0%	0		14-Feb-15		-107	32	0%
PP6010	Procure Sub-Contractor for Precast Parapets/Barriers	40	22-Jun-15	0%	40	07-Aug-15	29-Dec-14	13-Feb-15	-139	0	0%
PP6011	Precast Parapets/Barriers Detail Design & Procure Moulds	120	08-Aug-15	0%	120	31-Dec-15	14-Feb-15	16-Jul-15	-139	0	0%
Materials											
PP7010	Procure Sub-contractor for Signs & Street Furniture	90	22-Jun-15	0%	90	07-Oct-15	15-Aug-15	01-Dec-15	46	0	0%
In-Situ Formworks / Falseworks											
PPPF02	Design & Fabrication of Falsework / Formwork & Delivery	120	20-Feb-14 A	75%	30	27-Jul-15	20-Jun-16	25-Jul-16	295	419	75%
Bearings											
Viaduct A											
PPBRA1	Preliminary Design of Bearings - Viaduct A	50	11-Jul-15	0%	50	07-Sep-15	06-Oct-15	03-Dec-15	72	0	0%
PPBRA2	Confirmation of bearing assumption - Viaduct A	0		0%	0	07-Sep-15		03-Dec-15	72	0	0%



Actual Work
Planned Bar
Critical Bar
Milestone

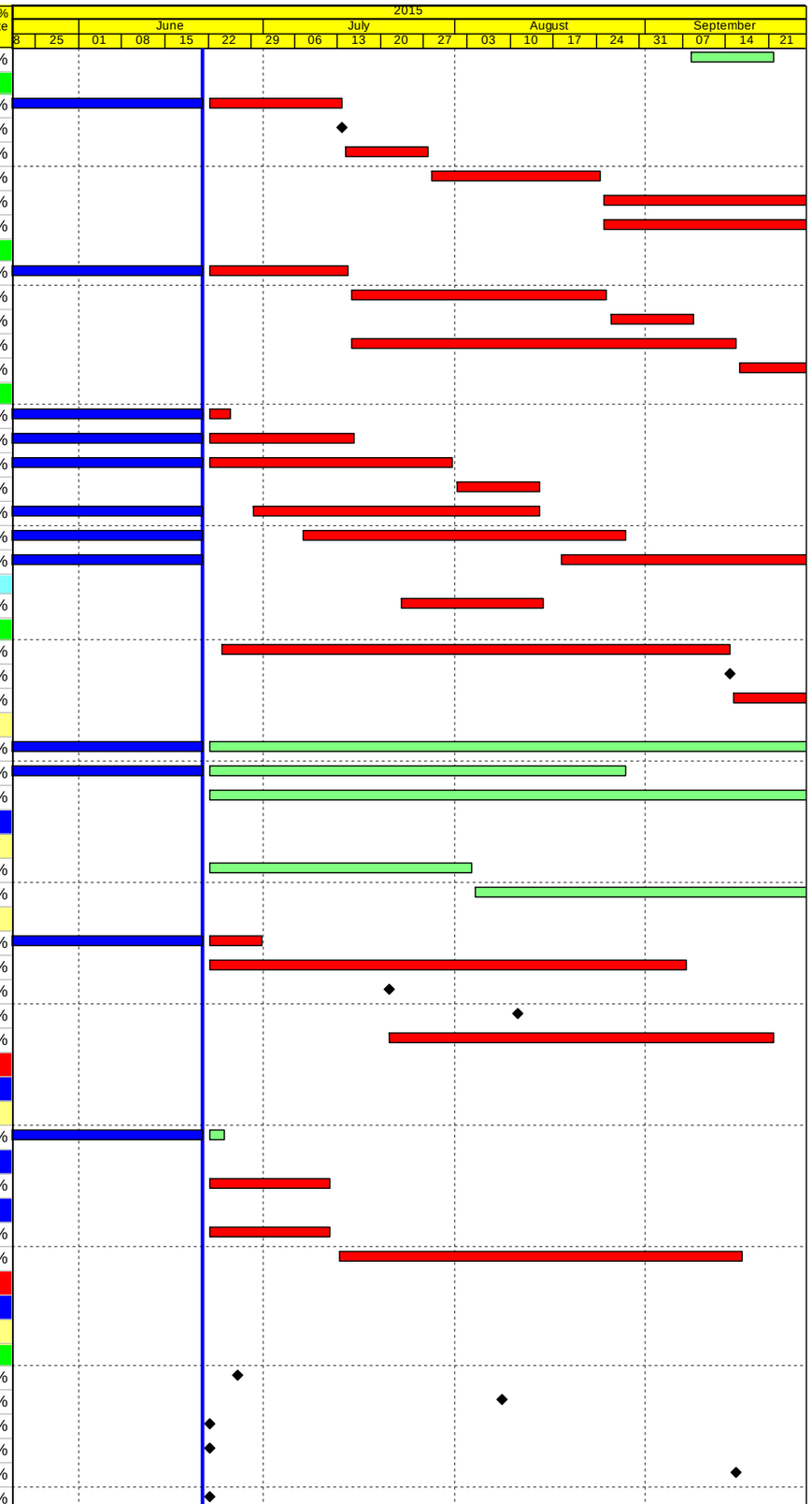
Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 4 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
PPBRA3	Bearing design and submission - Viaduct A	12	08-Sep-15	0%	12	21-Sep-15	04-Dec-15	17-Dec-15	72	0	0%
Viaduct C											
PPBRC1	Preliminary Design of Bearings - Viaduct C	50	22-Dec-14 A	64%	18	13-Jul-15	30-Aug-14	20-Sep-14	-237	0	65%
PPBRC2	Confirmation of bearing assumption - Viaduct C	0		0%	0	13-Jul-15		20-Sep-14	-237	0	0%
PPBRC3	Bearing design and submission - Viaduct C	12	14-Jul-15	0%	12	27-Jul-15	22-Sep-14	07-Oct-14	-237	0	0%
PPBRC4	Design check by ICE - Viaduct C	24	28-Jul-15	0%	24	24-Aug-15	08-Oct-14	04-Nov-14	-237	0	0%
PPBRC5	SO review & comment on design submission - Viaduct C	36	25-Aug-15	0%	36	07-Oct-15	05-Nov-14	16-Dec-14	-237	0	0%
PPBRC7	Manufacture of Bearing - Viaduct C	54	25-Aug-15	0%	54	29-Oct-15	05-Nov-14	09-Jan-15	-237	0	0%
Viaduct D											
PPBRD4	Design check by ICE - Viaduct D	24	20-Dec-14 A	20.83%	19	14-Jul-15	01-Nov-14	22-Nov-14	-186	0	20%
PPBRD5	SO review & comment on design submission - Viaduct D	36	15-Jul-15	0%	36	25-Aug-15	24-Nov-14	07-Jan-15	-186	0	0%
PPBRD6	Bearing Design Amendment & re-issue - Viaduct D	12	26-Aug-15	0%	12	08-Sep-15	15-Jan-15	28-Jan-15	-180	6	0%
PPBRD7	Manufacture of Bearing - Viaduct D	54	15-Jul-15	0%	54	15-Sep-15	24-Nov-14	28-Jan-15	-186	0	0%
PPBRD8	Testing Bearing - Viaduct D	18	16-Sep-15	0%	18	08-Oct-15	29-Jan-15	18-Feb-15	-186	0	0%
Viaduct E											
PPBRE3	Bearing design and submission - Viaduct E (E1, E2, E5, E6, E7 & E8)	12	06-Jan-14 A	66.67%	4	25-Jun-15	02-Sep-14	05-Sep-14	-235	4	65%
PPBRE4	Design check by ICE - Viaduct E (E1, E2, E5, E6, E7 & E8)	24	06-Jun-14 A	16.67%	20	15-Jul-15	28-Aug-14	20-Sep-14	-239	2	16%
PPBRE5	SO review & comment on design submission - Viaduct E (E1, E2, E5, E6, E	36	10-Oct-14 A	5.56%	34	31-Jul-15	26-Aug-14	07-Oct-14	-241	0	5%
PPBRE6	Bearing Design Amendment & re-issue - Viaduct E (E1, E2, E5, E6, E7 & E8)	12	01-Aug-15	0%	12	14-Aug-15	08-Oct-14	21-Oct-14	-241	0	0%
PPBRE7	Manufacture of Bearing - Viaduct E (E1, E2, E5, E6, E7 & E8)	54	02-Jun-14 A	25.93%	40	14-Aug-15	02-Sep-14	21-Oct-14	-241	0	5%
PPBRE8	Testing Bearing - Viaduct E (E1, E2, E5, E6, E7 & E8)	24	30-Jun-14 A	0%	46	28-Aug-15	10-Sep-14	04-Nov-14	-241	0	5%
PPBRE9	Bearing Delivery - Viaduct E (E1, E2, E5, E6, E7 & E8)	48	18-Oct-14 A	4.17%	46	12-Oct-15	24-Oct-14	16-Dec-14	-241	0	5%
Bridge E1											
PP7360	Site preparation Bearings for Viaduct E1	18	23-Jul-15	0%	18	15-Aug-15	26-Nov-14	16-Dec-14	-180	45	0%
Viaduct F											
PPBRF1	Preliminary Design of Bearings - Viaduct F	70	24-Jun-15	0%	70	14-Sep-15	13-Feb-15	14-May-15	-102	0	0%
PPBRF2	Confirmation of bearing assumption - Viaduct F	0		0%	0	14-Sep-15		14-May-15	-102	0	0%
PPBRF3	Bearing design and submission - Viaduct F	12	15-Sep-15	0%	12	29-Sep-15	15-May-15	29-May-15	-102	0	0%
Movement Joints											
PPMJ01	Design & Submission of MJ	138	08-Feb-14 A	29.71%	97	15-Oct-15	12-Aug-15	05-Dec-15	43	941	30%
PPMJ02-1	MJ Design Approval	96	26-May-14 A	39.58%	58	28-Aug-15	12-Aug-15	20-Oct-15	43	130	40%
PPMJ02-2	Manufacture & delivery of MJ	188	22-Jun-15	0%	188	03-Feb-16	12-Aug-15	31-Mar-16	43	0	0%
Other Sub-Contract Procurement											
Pavement											
PP7760-2	Procure Pavement Viaduct Sub-Contractor	36	22-Jun-15	0%	36	03-Aug-15	19-Feb-16	05-Apr-16	198	0	0%
PP7760-4	Pavement Viaduct Sub-Contractor - Materials approvals & MS	90	04-Aug-15	0%	90	19-Nov-15	06-Apr-16	23-Jul-16	198	175	0%
Structural Health Monitoring System (SHMS)											
PP7778	SHMS - So approval of Final System Proposal	30	16-Dec-14 A	73.33%	8	30-Jun-15	15-Nov-14	24-Nov-14	-174	52	75%
PP7780	SHMS - Prepare Civil Work Provision	66	22-Jun-15	0%	66	07-Sep-15	07-Oct-14	22-Dec-14	-208	0	0%
PP7782	SHMS - Submit Precast Pile Cap Shell SHMS details for E5-E6-E7-E8	0	21-Jul-15	0%	0		11-Dec-14		-176	32	0%
PP7786	SHMS - Submit Segment SHMS details for E5-E6-E7-E8	0	11-Aug-15	0%	0		27-Mar-15		-109	0	0%
PP7788	SHMS - FAT & Delivery for Bridge E5-E6-E7-E8 equipment	54	21-Jul-15	0%	54	21-Sep-15	15-Nov-14	20-Jan-15	-198	2	0%
Site Preparation / Mobilisations											
Tree Felling / Transplant											
Approved Trees in Contract											
TR00220	Tree transplant for Viaduct B - affecting Pier B18 & Abutment B	90	17-Feb-14 A	97.78%	2	24-Jun-15	11-Jan-16	12-Jan-16	157	971	95%
Temporary Working Platform at North Lantau											
PR08080	Inst.Unloading Frame incl. T&C for seg.lift (incl. Load Test)	15	22-Jun-15	0%	15	11-Jul-15	30-Dec-14	16-Jan-15	-130	0	0%
Unloading Jetty at HKBCF											
PR09060	Unloading Jetty at HKBCF - Conditional survey & finalize jetty design modific	15	22-Jun-15	0%	15	11-Jul-15	24-Apr-15	13-May-15	-41	0	0%
PR09070	Unloading Jetty at HKBCF - Install Unloading Frame incl. testing/commission	52	13-Jul-15	0%	52	16-Sep-15	14-May-15	25-Jul-15	-41	150	0%
CONSTRUCTION											
PILING AND SUBSTRUCTURE											
Viaduct A											
Milestones - Marine Foundation											
GFXX116-1	A7 (A1e) - Completion of piling works	0		0%	0	26-Jun-15		15-Dec-15	143	0	0%
GFXX121-1	A6 (A1f) - Completion of piling works	0		0%	0	08-Aug-15		30-Jan-16	144	0	0%
GFXX123-1	A5 (A2a) - Start date for piling	0	22-Jun-15	0%	0		07-Mar-16		213	70	0%
GFXX128-1	A4 (A2b) - Start date for piling	0	22-Jun-15	0%	0		05-Mar-16		212	56	0%
GFXX131-1	A4 (A2b) - Completion of piling works	0		0%	0	15-Sep-15		29-Mar-16	156	0	0%
GFXX138-1	A2 (A2d) - Start date for piling	0	22-Jun-15	0%	0		02-Feb-16		186	96	0%



Actual Work
Planned Bar
Critical Bar
Milestone

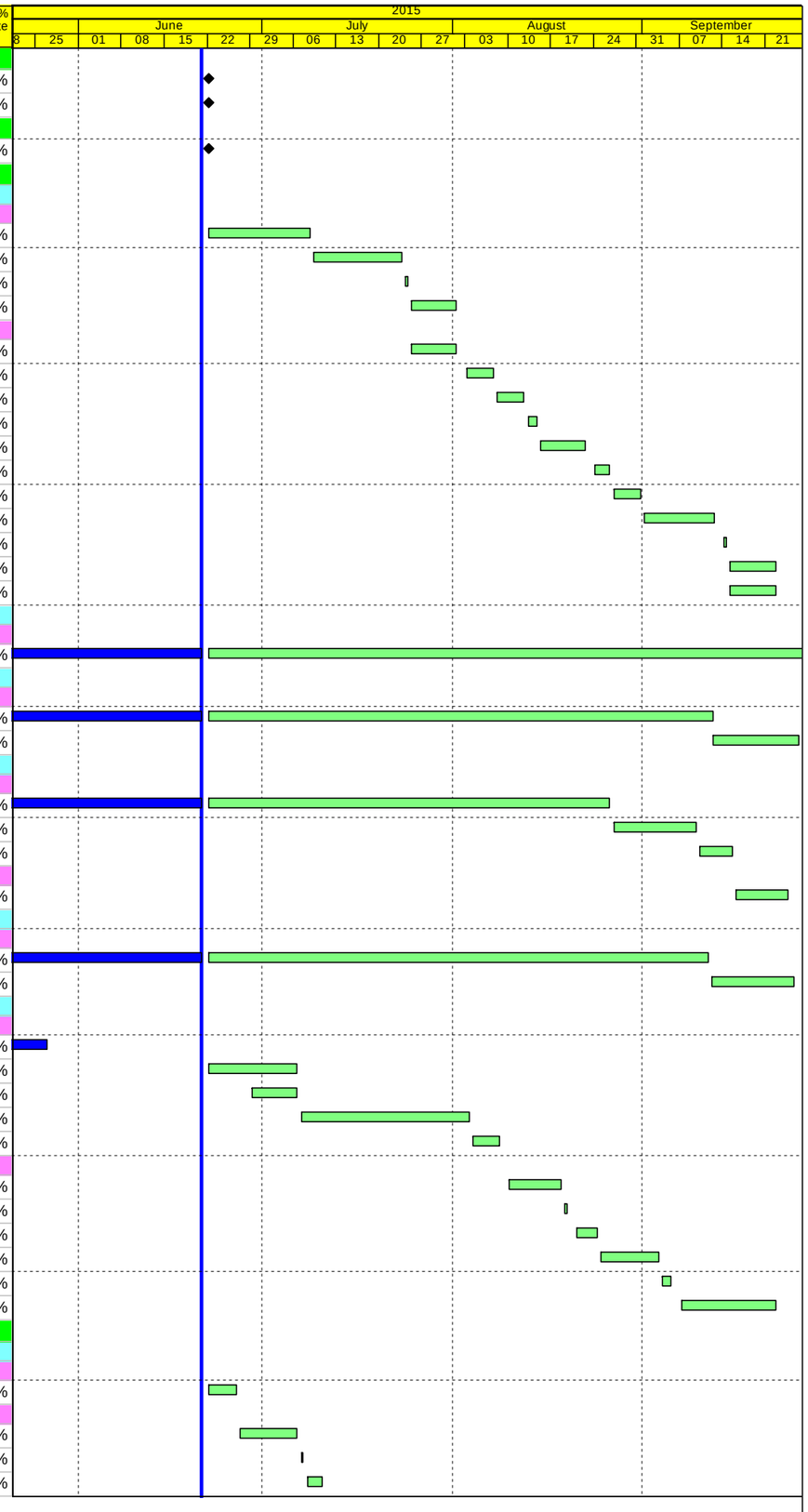
Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 5 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
Milestones - Land Foundation											
ZA00030	A9 (A1c) - Start date for piling	0	22-Jun-15	0%	0		14-Jan-16		170	81	0%
ZA00051	A11 (A1a) - Completion of piling works	0	22-Jun-15	0%	0		20-Jan-16		175	118	0%
General											
ZA00010	Viaduct A - Approval of Foundation DDA DP11.01	0		0%	0	22-Jun-15		14-Dec-18	910	910	0%
Bridge A2											
Pier A1 (A2e)											
Pile Cap Works											
SA2E0120	A1 (A2e) - Marine Pile Cap M2 - Pile cut down	12	22-Jun-15	0%	12	08-Jul-15	16-Jan-16	29-Jan-16	162	0	0%
SA2E0130	A1 (A2e) - Marine Pile Cap M2 - Rebar fixing, inst.inserts etc	12	09-Jul-15	0%	12	23-Jul-15	30-Jan-16	16-Feb-16	162	0	0%
SA2E0140	A1 (A2e) - Marine Pile Cap M2 - Concreting	1	24-Jul-15	0%	1	24-Jul-15	17-Feb-16	17-Feb-16	162	0	0%
SA2E0164	A1 (A2e) - Marine Pile Cap M2 - Curing incl. CJ preparation	6	25-Jul-15	0%	6	01-Aug-15	18-Feb-16	24-Feb-16	162	0	0%
Pier Works											
SA2E0170	A1 (A2e) - Type 4B-MJ Pier Temp. Support Platform & Scaffold (1st Lift)	6	25-Jul-15	0%	6	01-Aug-15	18-Feb-16	24-Feb-16	162	0	0%
SA2E0180	A1 (A2e) - Type 4B-MJ Pier Rebarwork, Formwork & Prep (1st Lift)	5	03-Aug-15	0%	5	07-Aug-15	25-Feb-16	01-Mar-16	162	0	0%
SA2E0200	A1 (A2e) - Type 4B-MJ Pier Concreting, Curing & Striking, CJ prep (1st Lift)	3	08-Aug-15	0%	3	12-Aug-15	02-Mar-16	04-Mar-16	162	0	0%
SA2E0210	A1 (A2e) - Type 4B-MJ Pier Scaffolding (2nd Lift)	2	13-Aug-15	0%	2	14-Aug-15	05-Mar-16	07-Mar-16	162	0	0%
SA2E0220	A1 (A2e) - Type 4B-MJ Pier Rebarwork, Formwork & Prep (2nd Lift)	6	15-Aug-15	0%	6	22-Aug-15	08-Mar-16	14-Mar-16	162	0	0%
SA2E0240	A1 (A2e) - Type 4B-MJ Pier Concreting, Curing & Striking, CJ prep (2nd Lift)	3	24-Aug-15	0%	3	26-Aug-15	15-Mar-16	17-Mar-16	162	0	0%
SA2E0300	A1 (A2e) - Type 4B-MJ Pier Head Scaffolding	4	27-Aug-15	0%	4	31-Aug-15	18-Mar-16	22-Mar-16	162	0	0%
SA2E0310	A1 (A2e) - Type 4B-MJ Pier Head Rebarwork, Formwork & Prep	10	01-Sep-15	0%	10	12-Sep-15	23-Mar-16	07-Apr-16	162	0	0%
SA2E0330	A1 (A2e) - Type 4B-MJ Pier Head Concreting	1	14-Sep-15	0%	1	14-Sep-15	08-Apr-16	08-Apr-16	162	0	0%
SA2E0340	A1 (A2e) - Type 4B-MJ Pier Head Curing/Striking of Forms/Remove Scaffold	6	15-Sep-15	0%	6	22-Sep-15	09-Apr-16	16-Apr-16	162	0	0%
SA2E0350	A1 (A2e) - Type 4B- Bearing Plinth	6	15-Sep-15	0%	6	22-Sep-15	09-Apr-16	16-Apr-16	162	0	0%
Pier A2 (A2d)											
Foundation Works											
GFXX139	A2 (A2d) - Bored Piles (2.20m dia. x 3 nos)	120	20-May-15 A	20%	96	14-Oct-15	08-Oct-15	01-Feb-16	90	0	20%
Pier A3 (A2c)											
Foundation Works											
GFXX134	A3 (A2c) - Bored Piles (2.20m dia. x 3 nos)	105	02-Apr-15 A	33%	70	12-Sep-15	23-Nov-15	19-Feb-16	129	0	33%
GFXX135	A3 (A2c) - Sonic & Interface Coring	12	12-Sep-15	0%	12	26-Sep-15	19-Feb-16	04-Mar-16	129	0	0%
Pier A4 (A2b)											
Foundation Works											
GFXX129	A4 (A2b) - Bored Piles (2.20m dia. x 3 nos)	80	28-Apr-15 A	30%	56	26-Aug-15	24-Dec-15	05-Mar-16	156	0	30%
GFXX130	A4 (A2b) - Sonic & Interface Coring	12	27-Aug-15	0%	12	09-Sep-15	05-Mar-16	19-Mar-16	156	0	0%
GFXX131	A4 (A2b) - Dismantle removable panels of temp. platform	5	10-Sep-15	0%	5	15-Sep-15	19-Mar-16	29-Mar-16	156	0	0%
Pile Cap Works											
SA2B0070	A4 (A2b) - Marine Pile Cap M2b - Inst.Floating Seal & Casing Head Steelwork	7	16-Sep-15	0%	7	24-Sep-15	29-Mar-16	07-Apr-16	153	0	0%
Pier A5 (A2a)											
Foundation Works											
GFXX124	A5 (A2a) - Bored Piles (2.20m dia. x 3 nos)	100	13-May-15 A	30%	70	11-Sep-15	09-Dec-15	07-Mar-16	143	0	30%
GFXX125	A5 (A2a) - Sonic & Interface Coring	12	12-Sep-15	0%	12	25-Sep-15	07-Mar-16	21-Mar-16	143	0	0%
Pier A6 (A1f)											
Foundation Works											
GFXX119	A6 (A1f) - Bored Piles (1.80m dia. x 3 nos)	80	24-Mar-15 A	100%	0	27-May-15 A					100%
GFXX120	A6 (A1f) - Sonic & Interface Coring	12	22-Jun-15	0%	12	06-Jul-15	11-Dec-15	24-Dec-15	144	0	0%
GFXX12(	A6 (A1f) - Selection of bored pile for Full Depth Coring	6	29-Jun-15	0%	6	06-Jul-15	18-Dec-15	24-Dec-15	144	0	0%
GFXX12(	A6 (A1f) - Bored Pile Full Depth Coring & Testing	24	07-Jul-15	0%	24	03-Aug-15	28-Dec-15	25-Jan-16	144	0	0%
GFXX121	A6 (A1f) - Dismantle removable panels of temp. platform	5	04-Aug-15	0%	5	08-Aug-15	26-Jan-16	30-Jan-16	144	0	0%
Pile Cap Works											
SA1F0070	A6 (A1f) - Marine Pile Cap M2 - Inst.Floating Seal & Casing Head Steelwork	7	10-Aug-15	0%	7	18-Aug-15	01-Feb-16	11-Feb-16	138	0	0%
SA1F0080	A6 (A1f) - Marine Pile Cap M2 - Install precast shell in position	1	19-Aug-15	0%	1	19-Aug-15	12-Feb-16	12-Feb-16	138	0	0%
SA1F0090	A6 (A1f) - Marine Pile Cap M2 - Inst.Access & make Watertight	3	21-Aug-15	0%	3	24-Aug-15	13-Feb-16	16-Feb-16	138	0	0%
SA1F0100	A6 (A1f) - Marine Pile Cap M2 - Weld Fin plates/Plug Rebar & Concrete	9	25-Aug-15	0%	9	03-Sep-15	17-Feb-16	26-Feb-16	138	0	0%
SA1F0110	A6 (A1f) - Marine Pile Cap M2 - Dewater precast shell / Remove Lifting Frame	2	04-Sep-15	0%	2	05-Sep-15	27-Feb-16	29-Feb-16	138	0	0%
SA1F0120	A6 (A1f) - Marine Pile Cap M2 - Pile cut down	12	07-Sep-15	0%	12	22-Sep-15	01-Mar-16	14-Mar-16	138	0	0%
Bridge A1											
Pier A7 (A1e)											
Foundation Works											
GFXX116	A7 (A1e) - Dismantle removable panels of temp. platform	5	22-Jun-15	0%	5	26-Jun-15	10-Dec-15	15-Dec-15	143	0	0%
Pile Cap Works											
SA1E0070	A7 (A1e) - Marine Pile Cap M2b - Inst.Floating Seal & Casing Head Steelwork	7	27-Jun-15	0%	7	06-Jul-15	16-Dec-15	23-Dec-15	135	0	0%
SA1E0080	A7 (A1e) - Marine Pile Cap M2b - Install precast shell in position	1	07-Jul-15	0%	1	07-Jul-15	24-Dec-15	24-Dec-15	135	0	0%
SA1E0090	A7 (A1e) - Marine Pile Cap M2b - Inst.Access & make Watertight	3	08-Jul-15	0%	3	10-Jul-15	28-Dec-15	30-Dec-15	135	0	0%



Actual Work
Planned Bar
Critical Bar
Milestone

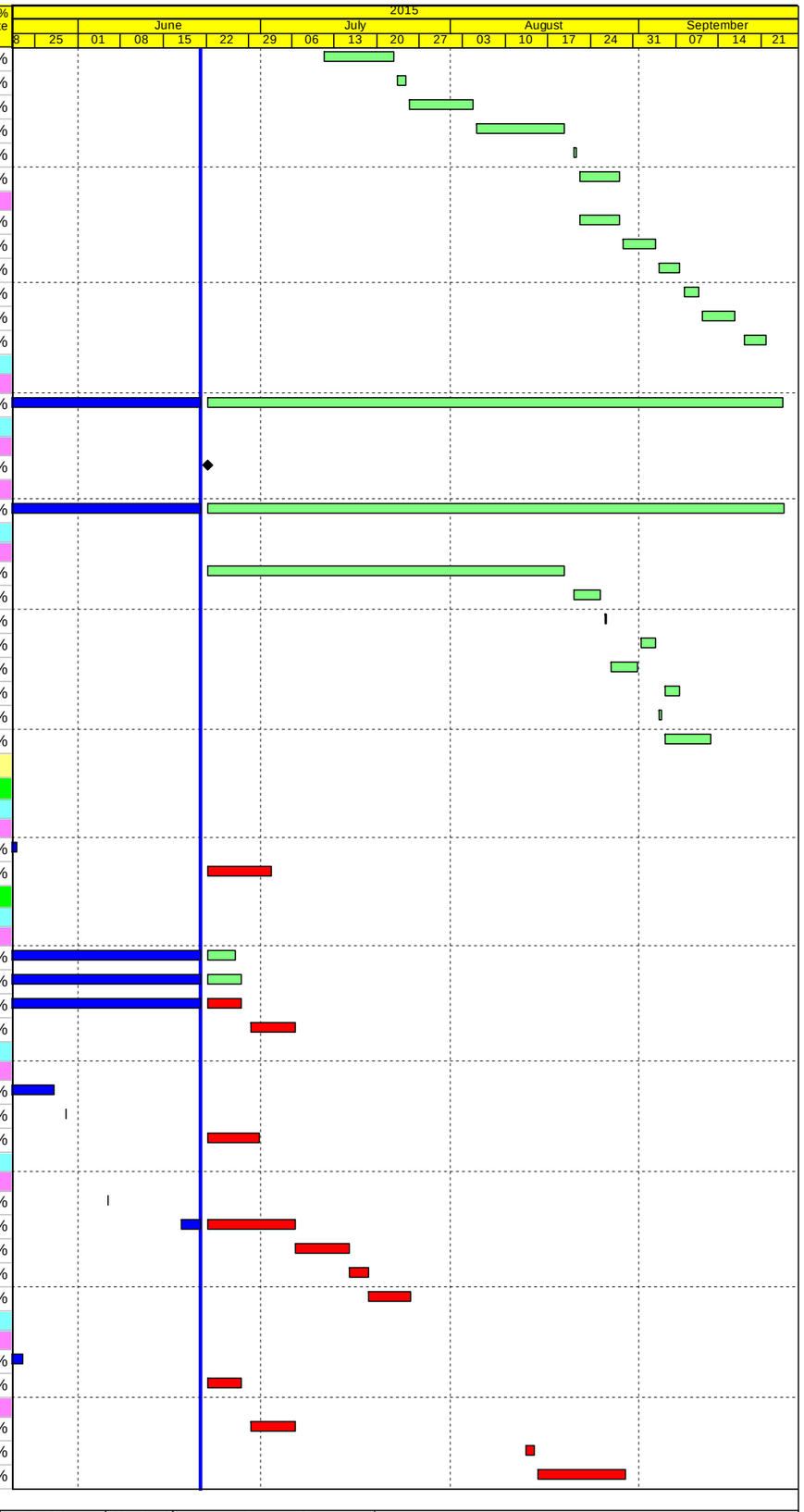
Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 6 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
SA1E0100	A7 (A1e) - Marine Pile Cap M2b - Weld Fin plates/Plug Rebar & Concrete	9	11-Jul-15	0%	9	22-Jul-15	31-Dec-15	11-Jan-16	135	0	0%
SA1E0120	A7 (A1e) - Marine Pile Cap M2b - Dewater precast shell / Remove Lifting Fra	2	23-Jul-15	0%	2	24-Jul-15	12-Jan-16	13-Jan-16	135	0	0%
SA1E0130	A7 (A1e) - Marine Pile Cap M2b - Pile cut down	8	25-Jul-15	0%	8	04-Aug-15	14-Jan-16	22-Jan-16	135	0	0%
SA1E0140	A7 (A1e) - Marine Pile Cap M2b - Rebar fixing, inst.inserts etc	12	05-Aug-15	0%	12	19-Aug-15	23-Jan-16	05-Feb-16	135	0	0%
SA1E0150	A7 (A1e) - Marine Pile Cap M2b - Concreting	1	21-Aug-15	0%	1	21-Aug-15	06-Feb-16	06-Feb-16	135	0	0%
SA1E0160	A7 (A1e) - Marine Pile Cap M2b - Curing incl. CJ Preparation	6	22-Aug-15	0%	6	28-Aug-15	11-Feb-16	17-Feb-16	135	0	0%
Pier Works											
SA1E0170	A7 (A1e) - Type 5B Pier Temp. Support Platform & Scaffold (1st Lift)	6	22-Aug-15	0%	6	28-Aug-15	11-Feb-16	17-Feb-16	135	0	0%
SA1E0180	A7 (A1e) - Type 5B Pier Rebarwork, Formwork & Prep (1st Lift)	5	29-Aug-15	0%	5	03-Sep-15	18-Feb-16	23-Feb-16	135	0	0%
SA1E0200	A7 (A1e) - Type 5B Pier Concreting, Curing & Striking, CJ prep (1st Lift)	3	04-Sep-15	0%	3	07-Sep-15	24-Feb-16	26-Feb-16	135	0	0%
SA1E0210	A7 (A1e) - Type 5B Pier Scaffolding (2nd Lift)	2	08-Sep-15	0%	2	10-Sep-15	27-Feb-16	29-Feb-16	135	0	0%
SA1E0220	A7 (A1e) - Type 5B Pier Rebarwork, Formwork & Prep (2nd Lift)	5	11-Sep-15	0%	5	16-Sep-15	01-Mar-16	05-Mar-16	135	0	0%
SA1E0240	A7 (A1e) - Type 5B Pier Concreting, Curing & Striking, CJ prep (2nd Lift)	3	18-Sep-15	0%	3	21-Sep-15	07-Mar-16	09-Mar-16	135	0	0%
Pier A8 (A1d)											
Socketted H-Pile installation											
GFXX298	A8 (A1d) - Install SH Pile (21 no.)	120	15-Apr-15 A	33%	80	24-Sep-15	06-Oct-15	12-Jan-16	89	0	33%
Pier A9 (A1c)											
Preliminary Works for Land Piling											
PA090060	A9 (A1c) - Complete civil preparation works for piling to commence	0		0%	0	22-Jun-15		15-Dec-18	973	973	0%
Socketted H-Pile installation											
GFXX293	A9 (A1c) - Install SH Pile (21 no.)	90	08-May-15 A	10%	81	24-Sep-15	07-Oct-15	13-Jan-16	89	0	10%
Pier A10 (A1b)											
Pile Cap Works											
SA1B0090	A10 (A1b) - Pile cap Excavation / ELS	45	22-Jun-15	0%	45	19-Aug-15	25-Nov-15	19-Jan-16	120	0	0%
SA1B0092	A10 (A1b) - Pile Breakdown to cut-off etc.	4	21-Aug-15	0%	4	25-Aug-15	28-May-16	03-Jun-16	218	0	0%
SA1B0100	A10 (A1b) - Pile cap Blinding	1	26-Aug-15	0%	1	26-Aug-15	03-Jun-16	04-Jun-16	218	0	0%
SA1B0110	A10 (A1b) - Pile cap Formwork	3	01-Sep-15	0%	3	03-Sep-15	11-Jun-16	16-Jun-16	218	0	0%
SA1B0120	A10 (A1b) - Pile cap Rebarwork	4	27-Aug-15	0%	4	31-Aug-15	04-Jun-16	11-Jun-16	218	0	0%
SA1B0122	A10 (A1b) - Pile cap Kicker Formwork	2	05-Sep-15	0%	2	07-Sep-15	23-Jun-16	27-Jun-16	222	60	0%
SA1B0130	A10 (A1b) - Pile cap Concreting	1	04-Sep-15	0%	1	04-Sep-15	16-Jun-16	18-Jun-16	218	0	0%
SA1B0140	A10 (A1b) - Pile cap Curing & Striking of Forms incl. CJ prep	6	05-Sep-15	0%	6	12-Sep-15	18-Jun-16	27-Jun-16	218	56	0%
Viaduct B											
Bridge B3											
Pier B6 (B3a)											
Pier Head Segments											
SB3A0371	B6 (B3a) - Pier Head Segment bearings	2	07-May-15 A	100%	0	22-May-15 A					100%
SB3A0372	B6 (B3a) - Pier Head Segment Lift & Temp Support (2 seg)	7	22-Jun-15	0%	7	02-Jul-15	05-Feb-15	12-Feb-15	-99	0	0%
Bridge B2											
Pier B7 (B2f)											
Pier Head Segments											
SB2F0374	B7 (B2f) - Pier Head Segment Diaphragm - Rebar	12	04-May-15 A	75%	3	26-Jun-15	13-Dec-18	15-Dec-18	970	970	75%
SB2F0376	B7 (B2f) - Pier Head Segment Diaphragm - Formwork & Prep for Concreting	8	08-May-15 A	50%	4	27-Jun-15	12-Dec-18	15-Dec-18	969	969	50%
SB2F0378	B7 (B2f) - Pier Head Segment Diaphragm - Concreting	2	12-May-15 A	0%	4	27-Jun-15	29-Dec-14	02-Jan-15	-131	0	50%
SB2F0380	B7 (B2f) - Pier Head Segment Diaphragm - Curing & Striking of Forms	6	29-Jun-15	0%	6	06-Jul-15	03-Jan-15	09-Jan-15	-131	0	0%
Pier B8 (B2e)											
Pier Head Segments											
SB2E0376	B8 (B2e) - Pier Head Segment Diaphragm - Formwork & Prep for Concreting	8	19-May-15 A	100%	0	28-May-15 A					100%
SB2E0378	B8 (B2e) - Pier Head Segment Diaphragm - Concreting	2	30-May-15 A	100%	0	30-May-15 A					100%
SB2E0380	B8 (B2e) - Pier Head Segment Diaphragm - Curing & Striking of Forms	6	22-Jun-15	0%	6	30-Jun-15	14-Jan-15	21-Jan-15	-117	0	0%
Pier B9 (B2d)											
Pier Head Segments											
SB2D037	B9 (B2d) - Pier Head Segment Lift & Fix (1 seg)	2	06-Jun-15 A	100%	0	06-Jun-15 A					100%
SB2D037	B9 (B2d) - Pier Head Segment Diaphragm - Rebar	12	18-Jun-15 A	20%	10	06-Jul-15	26-Jan-15	05-Feb-15	-108	0	20%
SB2D037	B9 (B2d) - Pier Head Segment Diaphragm - Formwork & Prep for Concreting	8	06-Jul-15	0%	8	15-Jul-15	06-Feb-15	14-Feb-15	-108	0	0%
SB2D037	B9 (B2d) - Pier Head Segment Diaphragm - Concreting	2	15-Jul-15	0%	2	18-Jul-15	16-Feb-15	17-Feb-15	-108	0	0%
SB2D038	B9 (B2d) - Pier Head Segment Diaphragm - Curing & Striking of Forms	6	18-Jul-15	0%	6	25-Jul-15	18-Feb-15	27-Feb-15	-108	0	0%
Pier B10 (B2c)											
Pier Works											
SB2C027	B10 (B2c) - Type 5B Pier Head Curing & Striking of Forms & Remove Scaffo	6	14-May-15 A	100%	0	23-May-15 A					100%
SB2C028	B10 (B2c) - Type 5B Pier Backfilling Works	4	22-Jun-15	0%	4	27-Jun-15	03-Feb-15	06-Feb-15	-101	0	0%
Pier Head Segments											
SB2C037	B10 (B2c) - Pier Head Segment - Temporary Platform	6	29-Jun-15	0%	6	06-Jul-15	07-Feb-15	13-Feb-15	-101	29	0%
SB2C037	B10 (B2c) - Pier Head Segment Lift & Fix (1 seg)	2	13-Aug-15	0%	2	14-Aug-15	14-Feb-15	16-Feb-15	-130	0	0%
SB2C037	B10 (B2c) - Pier Head Segment Diaphragm - Rebar	12	15-Aug-15	0%	12	29-Aug-15	17-Feb-15	05-Mar-15	-130	0	0%



Actual Work
Planned Bar
Critical Bar
Milestone

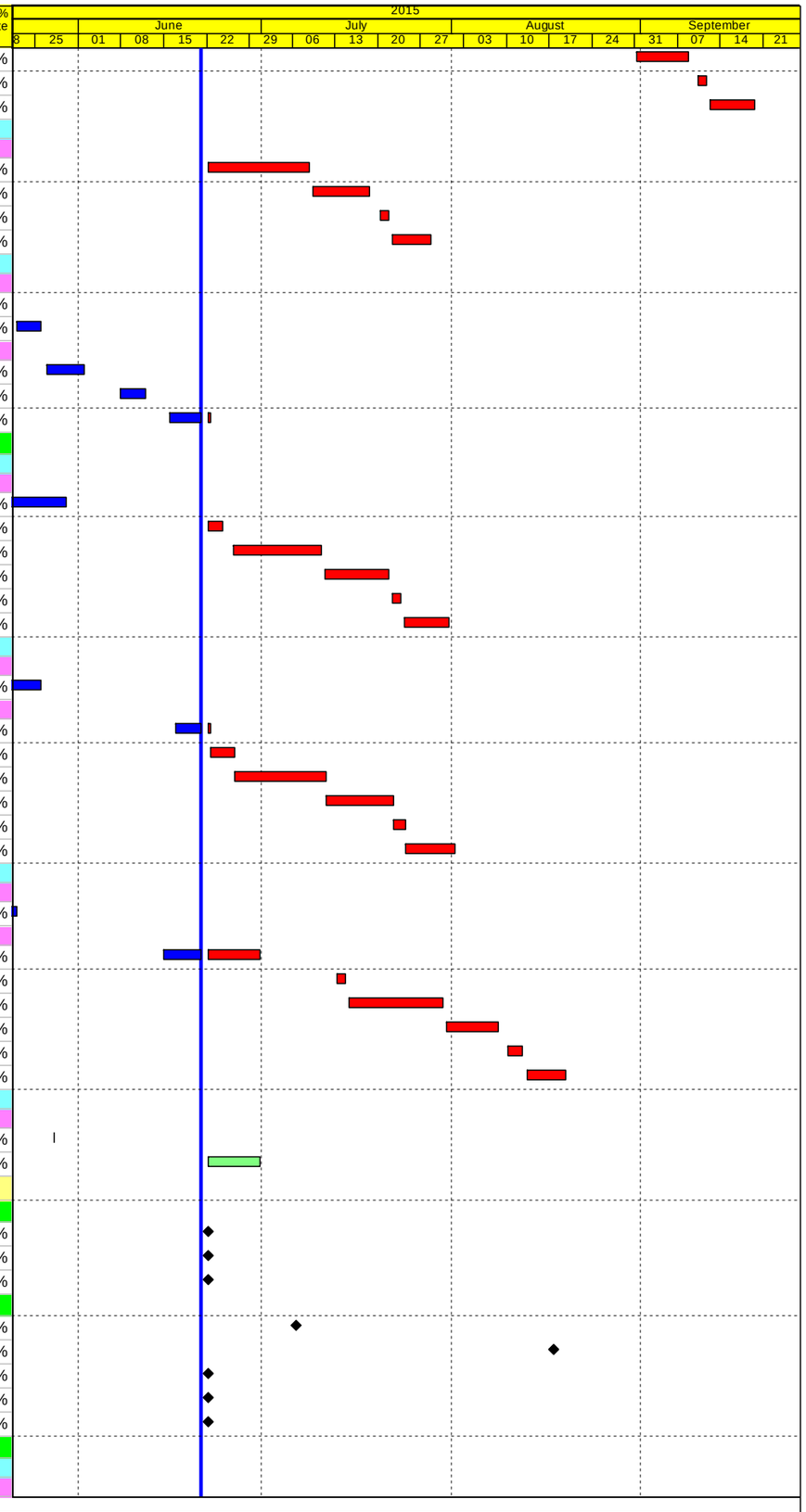
Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 7 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
SB2C037	B10 (B2c) - Pier Head Segment Diaphragm - Formwork & Prep for Concreting	8	31-Aug-15	0%	8	08-Sep-15	06-Mar-15	14-Mar-15	-130	0	0%
SB2C037	B10 (B2c) - Pier Head Segment Diaphragm - Concreting	2	10-Sep-15	0%	2	11-Sep-15	16-Mar-15	17-Mar-15	-130	0	0%
SB2C038	B10 (B2c) - Pier Head Segment Diaphragm - Curing & Striking of Forms	6	12-Sep-15	0%	6	19-Sep-15	18-Mar-15	24-Mar-15	-130	0	0%
Pier B11 (B2b)											
Pier Head Segments											
SB2B0374	B11 (B2b) - Pier Head Segment Diaphragm - Rebar	12	22-Jun-15	0%	12	08-Jul-15	13-Mar-15	26-Mar-15	-71	0	0%
SB2B0376	B11 (B2b) - Pier Head Segment Diaphragm - Formwork & Prep for Concreting	8	09-Jul-15	0%	8	18-Jul-15	27-Mar-15	09-Apr-15	-71	0	0%
SB2B0378	B11 (B2b) - Pier Head Segment Diaphragm - Concreting	2	20-Jul-15	0%	2	21-Jul-15	10-Apr-15	11-Apr-15	-71	0	0%
SB2B0380	B11 (B2b) - Pier Head Segment Diaphragm - Curing & Striking of Forms	6	22-Jul-15	0%	6	28-Jul-15	13-Apr-15	20-Apr-15	-71	0	0%
Pier B12 (B2a)											
Pier Works											
SB2A0360	B12 (B2a) - Type 5B-MJ Pier Backfilling Works	4	19-May-15 A	100%	0	21-May-15 A					100%
SB2A0380	B12 (B2a) - Type 5B-Bearing Plinth	4	22-May-15 A	100%	0	26-May-15 A					100%
Pier Head Segments											
SB2A0370	B12 (B2a) - Pier Head Segment - Temporary Platform	6	27-May-15 A	100%	0	02-Jun-15 A					100%
SB2A0371	B12 (B2a) - Pier Head Segment Bearings	2	08-Jun-15 A	100%	0	12-Jun-15 A					100%
SB2A0372	B12 (B2a) - Pier Head Segment Lift & Temp Support (2 seg)	7	16-Jun-15 A	90%	1	22-Jun-15	04-May-15	04-May-15	-34	0	90%
Bridge B1											
Pier B13 (B1g)											
Pier Head Segments											
SB1G037	B13 (B1g) - Pier Head Segment - Temporary Platform	6	19-May-15 A	100%	0	30-May-15 A					100%
SB1G037	B13 (B1g) - Pier Head Segment Lift & Fix (1 seg)	2	22-Jun-15	0%	2	24-Jun-15	01-Apr-15	02-Apr-15	-55	0	0%
SB1G037	B13 (B1g) - Pier Head Segment Diaphragm - Rebar	12	26-Jun-15	0%	12	10-Jul-15	08-Apr-15	22-Apr-15	-55	0	0%
SB1G037	B13 (B1g) - Pier Head Segment Diaphragm - Formwork & Prep for Concreting	8	11-Jul-15	0%	8	21-Jul-15	24-Apr-15	04-May-15	-55	0	0%
SB1G037	B13 (B1g) - Pier Head Segment Diaphragm - Concreting	2	22-Jul-15	0%	2	23-Jul-15	05-May-15	06-May-15	-55	0	0%
SB1G038	B13 (B1g) - Pier Head Segment Diaphragm - Curing & Striking of Forms	6	24-Jul-15	0%	6	31-Jul-15	07-May-15	14-May-15	-55	0	0%
Pier B14 (B1f)											
Pier Works											
SB1F0280	B14 (B1f) - Type 5B Pier Backfilling Works	4	19-May-15 A	100%	0	26-May-15 A					100%
Pier Head Segments											
SB1F0370	B14 (B1f) - Pier Head Segment - Temporary Platform	6	17-Jun-15 A	90%	1	22-Jun-15	06-May-15	06-May-15	-32	0	90%
SB1F0372	B14 (B1f) - Pier Head Segment Lift & Fix (1 seg)	2	22-Jun-15	0%	2	26-Jun-15	07-May-15	08-May-15	-32	0	0%
SB1F0374	B14 (B1f) - Pier Head Segment Diaphragm - Rebar	12	26-Jun-15	0%	12	11-Jul-15	09-May-15	26-May-15	-32	0	0%
SB1F0376	B14 (B1f) - Pier Head Segment Diaphragm - Formwork & Prep for Concreting	8	11-Jul-15	0%	8	22-Jul-15	27-May-15	05-Jun-15	-32	0	0%
SB1F0378	B14 (B1f) - Pier Head Segment Diaphragm - Concreting	2	22-Jul-15	0%	2	24-Jul-15	06-Jun-15	08-Jun-15	-32	0	0%
SB1F0380	B14 (B1f) - Pier Head Segment Diaphragm - Curing & Striking of Forms	6	24-Jul-15	0%	6	01-Aug-15	10-Jun-15	18-Jun-15	-32	0	0%
Pier B15 (B1e)											
Pier Works											
SB1E0280	B15 (B1e) - Type 5B Pier Backfilling Works	4	16-Mar-15 A	100%	0	22-May-15 A					100%
Pier Head Segments											
SB1E0370	B15 (B1e) - Pier Head Segment - Temporary Platform	6	15-Jun-15 A	0%	6	30-Jun-15	20-May-15	28-May-15	-21	9	0%
SB1E0372	B15 (B1e) - Pier Head Segment Lift & Fix (1 seg)	2	13-Jul-15	0%	2	14-Jul-15	29-May-15	30-May-15	-30	0	0%
SB1E0374	B15 (B1e) - Pier Head Segment Diaphragm - Rebar	12	15-Jul-15	0%	12	30-Jul-15	01-Jun-15	18-Jun-15	-30	0	0%
SB1E0376	B15 (B1e) - Pier Head Segment Diaphragm - Formwork & Prep for Concreting	8	31-Jul-15	0%	8	08-Aug-15	19-Jun-15	02-Jul-15	-30	0	0%
SB1E0378	B15 (B1e) - Pier Head Segment Diaphragm - Concreting	2	10-Aug-15	0%	2	12-Aug-15	03-Jul-15	04-Jul-15	-30	0	0%
SB1E0380	B15 (B1e) - Pier Head Segment Diaphragm - Curing & Striking of Forms	6	13-Aug-15	0%	6	19-Aug-15	06-Jul-15	13-Jul-15	-29	0	0%
Pier B16 (B1d)											
Pier Head Segments											
SB1D037	B16 (B1d) - Pier Head Segment Diaphragm - Concreting	2	28-May-15 A	100%	0	28-May-15 A					100%
SB1D038	B16 (B1d) - Pier Head Segment Diaphragm - Curing & Striking of Forms	6	22-Jun-15	0%	6	30-Jun-15	10-Sep-16	17-Sep-16	340	0	0%
Viaduct C											
Milestones - Marine Foundation											
GFXX197-1	C6 (C3f) - Completion of piling works	0		0%	0	22-Jun-15		22-Jan-15	-118	9	0%
GFXX202-1	C5 (C4a) - Completion of piling works	0		0%	0	22-Jun-15		30-Dec-14	-138	9	0%
GFXX212-1	C3 (C4c) - Completion of piling works	0		0%	0	22-Jun-15		08-Jul-15	14	0	0%
Milestones - Land Foundation											
ZC00051	C17 (C2a) - Completion of piling works	0		0%	0	06-Jul-15		15-Dec-15	135	0	0%
ZC00061	C16 (C2b) - Completion of piling works	0		0%	0	17-Aug-15		04-Feb-16	141	0	0%
ZC00091-1	C12 (C2f) - Completion of piling works	0		0%	0	22-Jun-15		15-Dec-18	1038	1038	0%
ZC00092-1	C11 (C3a) - Completion of piling works	0		0%	0	22-Jun-15		15-Dec-18	1038	1038	0%
ZC00096-1	C7 (C3e) - Completion of piling works	0		0%	0	22-Jun-15		15-Dec-18	1038	1038	0%
Bridge C4											
Pier C1 (C4e)											
Pier Works											



Actual Work
Planned Bar
Critical Bar
Milestone

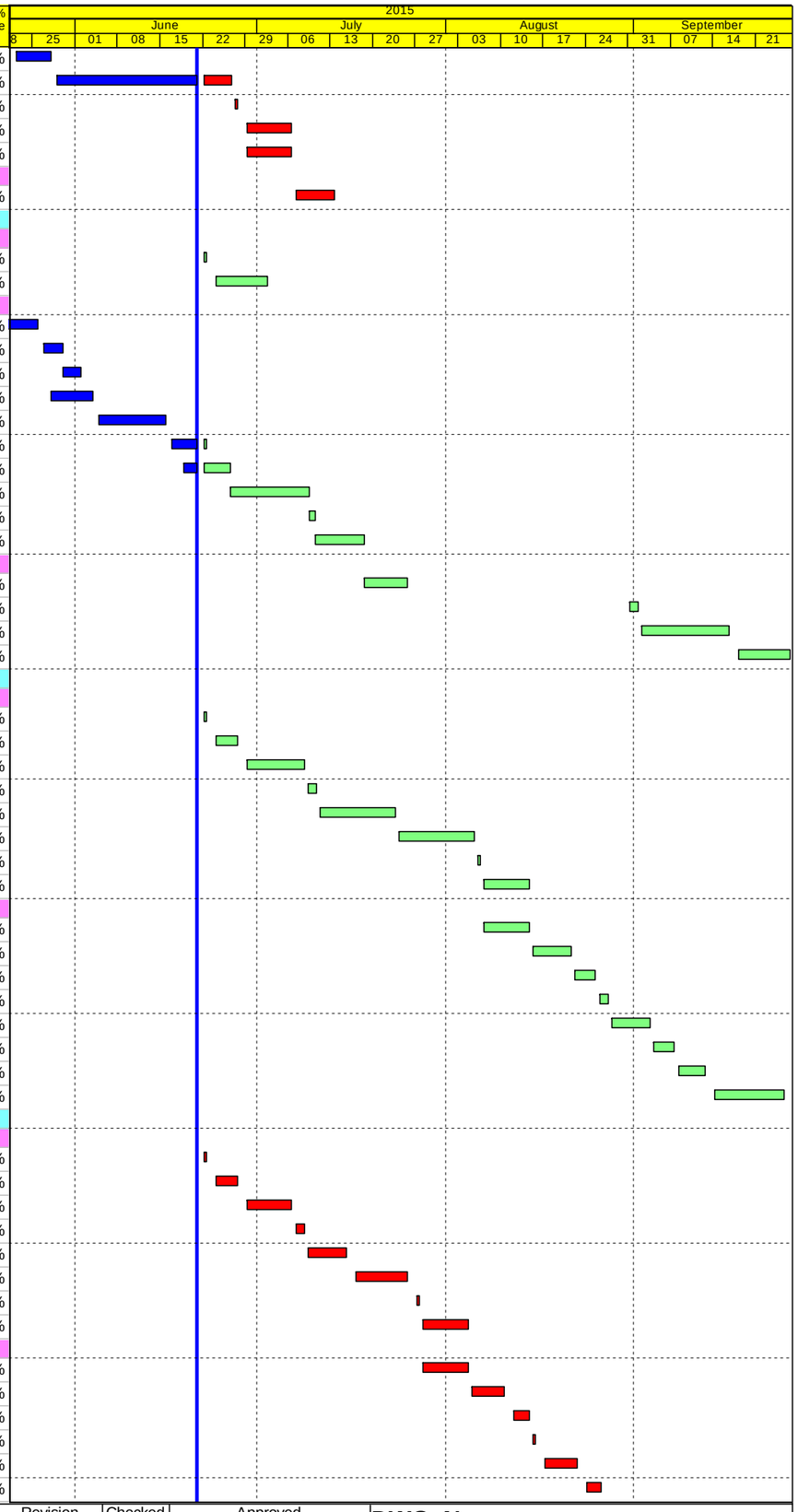
Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 8 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
SC4E030	C1 (C4e) - Type 4B-MJ Pier Head Scaffolding	4	22-May-15 A	100%	0	28-May-15 A					100%
SC4E031	C1 (C4e) - Type 4B-MJ Pier Head Rebarwork, Formwork & Prep	10	29-May-15 A	70%	3	26-Jun-15	20-Mar-15	23-Mar-15	-65	0	70%
SC4E033	C1 (C4e) - Type 4B-MJ Pier Head Concreting	1	27-Jun-15	0%	1	27-Jun-15	24-Mar-15	24-Mar-15	-65	0	0%
SC4E034	C1 (C4e) - Type 4B-MJ Pier Head Curing/Striking of Forms/Remove Scaffolc	6	29-Jun-15	0%	6	06-Jul-15	25-Mar-15	31-Mar-15	-65	0	0%
SC4E036	C1 (C4e) - Type 4B-Bearing Plinth	6	29-Jun-15	0%	6	06-Jul-15	25-Mar-15	31-Mar-15	-65	0	0%
Pier Head Segments											
SC4E037	C1 (C4e) - Pier Head Segment - Temporary Platform	6	07-Jul-15	0%	6	13-Jul-15	01-Apr-15	11-Apr-15	-65	154	0%
Pier C2 (C4d)											
Pile Cap Works											
SC4D015	C2 (C4d) - Marine Pile Cap M2b - Concreting	1	22-Jun-15	0%	1	22-Jun-15	08-Dec-18	08-Dec-18	990	0	0%
SC4D016	C2 (C4d) - Marine Pile Cap M2b - Curing incl. CJ Preparation	6	24-Jun-15	0%	6	02-Jul-15	10-Dec-18	15-Dec-18	990	990	0%
Pier Works											
SC4D017	C2 (C4d) - Type 4B Pier Temp. Support Platform & Scaffold (1st Lift)	7	18-May-15 A	100%	0	26-May-15 A					100%
SC4D018	C2 (C4d) - Type 4B Pier Rebarwork, Formwork & Prep (1st Lift)	5	27-May-15 A	100%	0	30-May-15 A					100%
SC4D020	C2 (C4d) - Type 4B Pier Concreting, Curing & Striking, CJ prep (1st Lift)	3	30-May-15 A	100%	0	02-Jun-15 A					100%
SC4D021	C2 (C4d) - Type 4B Pier Scaffolding (2nd Lift)	2	28-May-15 A	100%	0	04-Jun-15 A					100%
SC4D022	C2 (C4d) - Type 4B Pier Rebarwork, Formwork & Prep (2nd Lift)	6	05-Jun-15 A	100%	0	16-Jun-15 A					100%
SC4D024	C2 (C4d) - Type 4B Pier Concreting, Curing & Striking, CJ prep (2nd Lift)	3	17-Jun-15 A	80%	1	22-Jun-15	15-Dec-18	15-Dec-18	996	996	80%
SC4D030	C2 (C4d) - Type 4B Pier Head Scaffolding	4	19-Jun-15 A	30%	3	26-Jun-15	15-Sep-15	18-Sep-15	65	0	0%
SC4D031	C2 (C4d) - Type 4B Pier Head Rebarwork, Formwork & Prep	10	26-Jun-15	0%	10	09-Jul-15	19-Sep-15	02-Oct-15	65	0	0%
SC4D033	C2 (C4d) - Type 4B Pier Head Concreting	1	09-Jul-15	0%	1	10-Jul-15	03-Oct-15	03-Oct-15	65	0	0%
SC4D034	C2 (C4d) - Type 4B Pier Head Curing/Striking of Forms/Remove Scaffolding	6	10-Jul-15	0%	6	18-Jul-15	05-Oct-15	10-Oct-15	65	0	0%
Pier Head Segments											
SC4D037	C2 (C4d) - Pier Head Segment - Temporary Platform	6	18-Jul-15	0%	6	25-Jul-15	12-Oct-15	19-Oct-15	65	27	0%
SC4D037	C2 (C4d) - Pier Head Segment Lift & Fix (1 seg)	2	31-Aug-15	0%	2	01-Sep-15	20-Oct-15	22-Oct-15	38	0	0%
SC4D037	C2 (C4d) - Pier Head Segment Diaphragm - Rebar	12	02-Sep-15	0%	12	16-Sep-15	23-Oct-15	06-Nov-15	38	0	0%
SC4D037	C2 (C4d) - Pier Head Segment Diaphragm - Formwork & Prep for Concreting	8	18-Sep-15	0%	8	26-Sep-15	07-Nov-15	16-Nov-15	38	0	0%
Pier C3 (C4c)											
Pile Cap Works											
SC4C008	C3 (C4c) - Marine Pile Cap M2b - Install precast shell in position	1	22-Jun-15	0%	1	22-Jun-15	09-Jul-15	09-Jul-15	12	0	0%
SC4C009	C3 (C4c) - Marine Pile Cap M2b - Inst.Access & make Watertight	3	24-Jun-15	0%	3	27-Jun-15	10-Jul-15	13-Jul-15	12	0	0%
SC4C010	C3 (C4c) - Marine Pile Cap M2b - Weld Fin plates/Plug Rebar & Concrete	8	29-Jun-15	0%	8	08-Jul-15	14-Jul-15	23-Jul-15	12	0	0%
SC4C012	C3 (C4c) - Marine Pile Cap M2b - Dewater precast shell / Remove Lifting Fra	2	09-Jul-15	0%	2	10-Jul-15	24-Jul-15	25-Jul-15	12	0	0%
SC4C013	C3 (C4c) - Marine Pile Cap M2b - Pile cut down	10	11-Jul-15	0%	10	23-Jul-15	27-Jul-15	07-Aug-15	12	0	0%
SC4C014	C3 (C4c) - Marine Pile Cap M2b - Rebar fixing, inst.inserts etc	10	24-Jul-15	0%	10	05-Aug-15	08-Aug-15	21-Aug-15	12	0	0%
SC4C015	C3 (C4c) - Marine Pile Cap M2b - Concreting	1	06-Aug-15	0%	1	06-Aug-15	22-Aug-15	22-Aug-15	12	0	0%
SC4C016	C3 (C4c) - Marine Pile Cap M2b - Curing incl. CJ Preparation	6	07-Aug-15	0%	6	14-Aug-15	24-Aug-15	29-Aug-15	12	0	0%
Pier Works											
SC4C017	C3 (C4c) - Type 4B Pier Temp. Support Platform & Scaffold (1st Lift)	6	07-Aug-15	0%	6	14-Aug-15	24-Aug-15	29-Aug-15	12	0	0%
SC4C018	C3 (C4c) - Type 4B Pier Rebarwork, Formwork & Prep (1st Lift)	5	15-Aug-15	0%	5	21-Aug-15	31-Aug-15	04-Sep-15	12	0	0%
SC4C020	C3 (C4c) - Type 4B Pier Concreting, Curing & Striking, CJ prep (1st Lift)	3	22-Aug-15	0%	3	25-Aug-15	05-Sep-15	08-Sep-15	12	0	0%
SC4C021	C3 (C4c) - Type 4B Pier Scaffolding (2nd Lift)	2	26-Aug-15	0%	2	27-Aug-15	10-Sep-15	11-Sep-15	12	0	0%
SC4C022	C3 (C4c) - Type 4B Pier Rebarwork, Formwork & Prep (2nd Lift)	6	28-Aug-15	0%	6	03-Sep-15	12-Sep-15	19-Sep-15	12	0	0%
SC4C024	C3 (C4c) - Type 4B Pier Concreting, Curing & Striking, CJ prep (2nd Lift)	3	04-Sep-15	0%	3	07-Sep-15	21-Sep-15	23-Sep-15	12	0	0%
SC4C030	C3 (C4c) - Type 4B Pier Head Scaffolding	4	08-Sep-15	0%	4	12-Sep-15	24-Sep-15	29-Sep-15	12	0	0%
SC4C031	C3 (C4c) - Type 4B Pier Head Rebarwork, Formwork & Prep	10	14-Sep-15	0%	10	25-Sep-15	30-Sep-15	12-Oct-15	12	0	0%
Pier C4 (C4b)											
Pile Cap Works											
SC4B008	C4 (C4b) - Marine Pile Cap M2b - Install precast shell in position	1	22-Jun-15	0%	1	22-Jun-15	09-Jan-15	09-Jan-15	-122	0	0%
SC4B009	C4 (C4b) - Marine Pile Cap M2b - Inst.Access & make Watertight	3	24-Jun-15	0%	3	27-Jun-15	10-Jan-15	13-Jan-15	-122	0	0%
SC4B010	C4 (C4b) - Marine Pile Cap M2b - Weld Fin plates/Plug Rebar & Concrete	6	29-Jun-15	0%	6	06-Jul-15	14-Jan-15	20-Jan-15	-122	0	0%
SC4B012	C4 (C4b) - Marine Pile Cap M2b - Dewater precast shell / Remove Lifting Fra	2	07-Jul-15	0%	2	08-Jul-15	21-Jan-15	22-Jan-15	-122	0	0%
SC4B013	C4 (C4b) - Marine Pile Cap M2b - Pile cut down	6	09-Jul-15	0%	6	15-Jul-15	23-Jan-15	29-Jan-15	-122	0	0%
SC4B014	C4 (C4b) - Marine Pile Cap M2b - Rebar fixing, inst.inserts etc	8	17-Jul-15	0%	8	25-Jul-15	30-Jan-15	07-Feb-15	-122	0	0%
SC4B015	C4 (C4b) - Marine Pile Cap M2b - Concreting	1	27-Jul-15	0%	1	27-Jul-15	09-Feb-15	09-Feb-15	-122	0	0%
SC4B016	C4 (C4b) - Marine Pile Cap M2b - Curing incl. CJ Preparation	6	28-Jul-15	0%	6	04-Aug-15	10-Feb-15	16-Feb-15	-122	0	0%
Pier Works											
SC4B017	C4 (C4b) - Type 4B Pier Temp. Support Platform & Scaffold (1st Lift)	6	28-Jul-15	0%	6	04-Aug-15	10-Feb-15	16-Feb-15	-122	0	0%
SC4B018	C4 (C4b) - Type 4B Pier Rebarwork, Formwork & Prep (1st Lift)	5	05-Aug-15	0%	5	10-Aug-15	17-Feb-15	25-Feb-15	-122	0	0%
SC4B020	C4 (C4b) - Type 4B Pier Concreting, Curing & Striking, CJ prep (1st Lift)	3	12-Aug-15	0%	3	14-Aug-15	26-Feb-15	28-Feb-15	-122	0	0%
SC4B021	C4 (C4b) - Type 4B Pier Scaffolding (2nd Lift)	1	15-Aug-15	0%	1	15-Aug-15	02-Mar-15	02-Mar-15	-122	0	0%
SC4B022	C4 (C4b) - Type 4B Pier Rebarwork, Formwork & Prep (2nd Lift)	5	17-Aug-15	0%	5	22-Aug-15	03-Mar-15	07-Mar-15	-122	0	0%
SC4B024	C4 (C4b) - Type 4B Pier Concreting, Curing & Striking, CJ prep (2nd Lift)	3	24-Aug-15	0%	3	26-Aug-15	09-Mar-15	11-Mar-15	-122	0	0%



Actual Work
Planned Bar
Critical Bar
Milestone

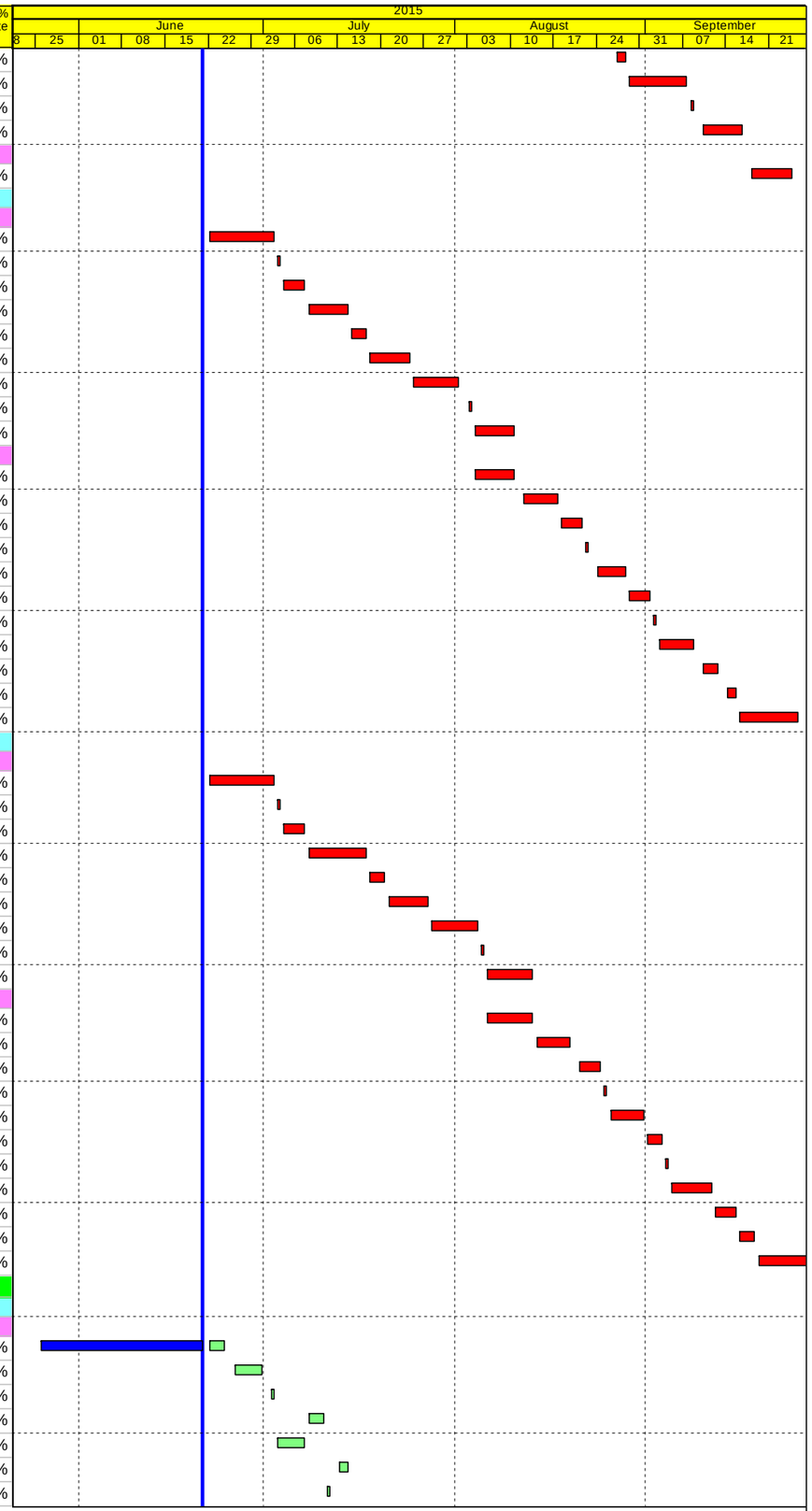
Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 9 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
SC4B030	C4 (C4b) - Type 4B Pier Head Scaffolding	2	27-Aug-15	0%	2	28-Aug-15	12-Mar-15	13-Mar-15	-122	0	0%
SC4B031	C4 (C4b) - Type 4B Pier Head Rebarwork, Formwork & Prep	8	29-Aug-15	0%	8	07-Sep-15	14-Mar-15	23-Mar-15	-122	0	0%
SC4B033	C4 (C4b) - Type 4B Pier Head Concreting	1	08-Sep-15	0%	1	08-Sep-15	24-Mar-15	24-Mar-15	-122	0	0%
SC4B034	C4 (C4b) - Type 4B Pier Head Curing/Striking of Forms/Remove Scaffolding	6	10-Sep-15	0%	6	16-Sep-15	25-Mar-15	31-Mar-15	-122	0	0%
Pier Head Segments											
SC4B037	C4 (C4b) - Pier Head Segment - Temporary Platform	6	18-Sep-15	0%	6	24-Sep-15	01-Apr-15	11-Apr-15	-122	0	0%
Pier C5 (C4a)											
Pile Cap Works											
SC4A007	C5 (C4a) - Marine Pile Cap M2b - Inst.Floating Seal & Casing Head Steelwork	7	22-Jun-15	0%	7	02-Jul-15	19-Dec-14	30-Dec-14	-137	0	0%
SC4A008	C5 (C4a) - Marine Pile Cap M2b - Install precast shell in position	1	03-Jul-15	0%	1	03-Jul-15	30-Dec-14	31-Dec-14	-137	0	0%
SC4A009	C5 (C4a) - Marine Pile Cap M2b - Inst.Access & make Watertight	3	04-Jul-15	0%	3	07-Jul-15	31-Dec-14	05-Jan-15	-137	0	0%
SC4A010	C5 (C4a) - Marine Pile Cap M2b - Weld Fin plates/Plug Rebar & Concrete	6	08-Jul-15	0%	6	14-Jul-15	05-Jan-15	12-Jan-15	-137	0	0%
SC4A012	C5 (C4a) - Marine Pile Cap M2b - Dewater precast shell / Remove Lifting Fra	2	15-Jul-15	0%	2	17-Jul-15	12-Jan-15	14-Jan-15	-137	0	0%
SC4A013	C5 (C4a) - Marine Pile Cap M2b - Pile cut down	6	18-Jul-15	0%	6	24-Jul-15	14-Jan-15	21-Jan-15	-137	0	0%
SC4A014	C5 (C4a) - Marine Pile Cap M2b - Rebar fixing, inst.inserts etc	6	25-Jul-15	0%	6	01-Aug-15	21-Jan-15	28-Jan-15	-137	0	0%
SC4A015	C5 (C4a) - Marine Pile Cap M2b - Concreting	1	03-Aug-15	0%	1	03-Aug-15	28-Jan-15	29-Jan-15	-137	0	0%
SC4A016	C5 (C4a) - Marine Pile Cap M2b - Curing incl. CJ Preparation	6	04-Aug-15	0%	6	10-Aug-15	29-Jan-15	05-Feb-15	-137	0	0%
Pier Works											
SC4A017	C5 (C4a) - Type 4B Pier Temp. Support Platform & Scaffold (1st Lift)	6	04-Aug-15	0%	6	10-Aug-15	29-Jan-15	05-Feb-15	-137	0	0%
SC4A018	C5 (C4a) - Type 4B Pier Rebarwork, Formwork & Prep (1st Lift)	5	12-Aug-15	0%	5	17-Aug-15	05-Feb-15	11-Feb-15	-137	0	0%
SC4A020	C5 (C4a) - Type 4B Pier Concreting, Curing & Striking, CJ prep (1st Lift)	3	18-Aug-15	0%	3	21-Aug-15	11-Feb-15	14-Feb-15	-137	0	0%
SC4A021	C5 (C4a) - Type 4B Pier Scaffolding (2nd Lift)	1	22-Aug-15	0%	1	22-Aug-15	14-Feb-15	16-Feb-15	-137	0	0%
SC4A022	C5 (C4a) - Type 4B Pier Rebarwork, Formwork & Prep (2nd Lift)	5	24-Aug-15	0%	5	28-Aug-15	16-Feb-15	25-Feb-15	-137	0	0%
SC4A024	C5 (C4a) - Type 4B Pier Concreting, Curing & Striking, CJ prep (2nd Lift)	3	29-Aug-15	0%	3	01-Sep-15	25-Feb-15	28-Feb-15	-137	0	0%
SC4A025	C5 (C4a) - Type 4B Pier Scaffolding (3rd Lift)	1	02-Sep-15	0%	1	02-Sep-15	28-Feb-15	02-Mar-15	-137	0	0%
SC4A026	C5 (C4a) - Type 4B Pier Rebarwork, Formwork & Prep (3rd Lift)	5	03-Sep-15	0%	5	08-Sep-15	02-Mar-15	07-Mar-15	-137	0	0%
SC4A028	C5 (C4a) - Type 4B Pier Concreting, Curing & Striking, CJ prep (3rd Lift)	3	10-Sep-15	0%	3	12-Sep-15	07-Mar-15	11-Mar-15	-137	0	0%
SC4A030	C5 (C4a) - Type 4B Pier Head Scaffolding	2	14-Sep-15	0%	2	15-Sep-15	11-Mar-15	13-Mar-15	-137	0	0%
SC4A031	C5 (C4a) - Type 4B Pier Head Rebarwork, Formwork & Prep	8	16-Sep-15	0%	8	25-Sep-15	13-Mar-15	23-Mar-15	-137	0	0%
Pier C6 (C3f)											
Pile Cap Works											
SC3F0070	C6 (C3f) - Marine Pile Cap M2b - Inst.Floating Seal & Casing Head Steelwork	7	22-Jun-15	0%	7	02-Jul-15	15-Jan-15	22-Jan-15	-117	0	0%
SC3F0080	C6 (C3f) - Marine Pile Cap M2b - Install precast shell in position	1	03-Jul-15	0%	1	03-Jul-15	23-Jan-15	23-Jan-15	-117	0	0%
SC3F0090	C6 (C3f) - Marine Pile Cap M2b - Inst.Access & make Watertight	3	04-Jul-15	0%	3	07-Jul-15	24-Jan-15	27-Jan-15	-117	0	0%
SC3F0100	C6 (C3f) - Marine Pile Cap M2b - Weld Fin plates/Plug Rebar & Concrete	8	08-Jul-15	0%	8	17-Jul-15	28-Jan-15	05-Feb-15	-117	0	0%
SC3F0110	C6 (C3f) - Marine Pile Cap M2b - Dewater precast shell / Remove Lifting Frai	2	18-Jul-15	0%	2	20-Jul-15	06-Feb-15	07-Feb-15	-117	0	0%
SC3F0120	C6 (C3f) - Marine Pile Cap M2b - Pile cut down	6	21-Jul-15	0%	6	27-Jul-15	09-Feb-15	14-Feb-15	-117	0	0%
SC3F0130	C6 (C3f) - Marine Pile Cap M2b - Rebar fixing, inst.inserts etc	6	28-Jul-15	0%	6	04-Aug-15	16-Feb-15	25-Feb-15	-117	0	0%
SC3F0140	C6 (C3f) - Marine Pile Cap M2b - Concreting	1	05-Aug-15	0%	1	05-Aug-15	26-Feb-15	26-Feb-15	-117	0	0%
SC3F0164	C6 (C3f) - Marine Pile Cap M2b - Curing incl. CJ preparation	6	06-Aug-15	0%	6	13-Aug-15	27-Feb-15	05-Mar-15	-117	0	0%
Pier Works											
SC3F0170	C6 (C3f) - Type 4B-MJ Pier Temp. Support Platform & Scaffold (1st Lift)	6	06-Aug-15	0%	6	13-Aug-15	27-Feb-15	05-Mar-15	-117	0	0%
SC3F0180	C6 (C3f) - Type 4B-MJ Pier Rebarwork, Formwork & Prep (1st Lift)	5	14-Aug-15	0%	5	19-Aug-15	06-Mar-15	11-Mar-15	-117	0	0%
SC3F0200	C6 (C3f) - Type 4B-MJ Pier Concreting, Curing & Striking, CJ prep (1st Lift)	3	21-Aug-15	0%	3	24-Aug-15	12-Mar-15	14-Mar-15	-117	0	0%
SC3F0210	C6 (C3f) - Type 4B-MJ Pier Scaffolding (2nd Lift)	1	25-Aug-15	0%	1	25-Aug-15	16-Mar-15	16-Mar-15	-117	0	0%
SC3F0220	C6 (C3f) - Type 4B-MJ Pier Rebarwork, Formwork & Prep (2nd Lift)	5	26-Aug-15	0%	5	31-Aug-15	17-Mar-15	21-Mar-15	-117	0	0%
SC3F0240	C6 (C3f) - Type 4B-MJ Pier Concreting, Curing & Striking, CJ prep (2nd Lift)	3	01-Sep-15	0%	3	03-Sep-15	23-Mar-15	25-Mar-15	-117	0	0%
SC3F0250	C6 (C3f) - Type 4B-MJ Pier Scaffolding (3rd Lift)	1	04-Sep-15	0%	1	04-Sep-15	26-Mar-15	26-Mar-15	-117	0	0%
SC3F0260	C6 (C3f) - Type 4B-MJ Pier Rebarwork, Formwork & Prep (3rd Lift)	5	05-Sep-15	0%	5	11-Sep-15	27-Mar-15	01-Apr-15	-117	0	0%
SC3F0280	C6 (C3f) - Type 4B-MJ Pier Concreting, Curing & Striking, CJ prep (3rd Lift)	3	12-Sep-15	0%	3	15-Sep-15	02-Apr-15	09-Apr-15	-117	0	0%
SC3F0300	C6 (C3f) - Type 4B-MJ Pier Head Scaffolding	2	16-Sep-15	0%	2	18-Sep-15	10-Apr-15	11-Apr-15	-117	0	0%
SC3F0310	C6 (C3f) - Type 4B-MJ Pier Head Rebarwork, Formwork & Prep	8	19-Sep-15	0%	8	29-Sep-15	13-Apr-15	22-Apr-15	-117	0	0%
Bridge C3											
Pier C7 (C3e)											
Pile Cap Works											
SC3E009	C7 (C3e) - Pile cap Excavation / ELS	20	26-May-15 A	90%	2	24-Jun-15	24-Aug-15	25-Aug-15	47	0	0%
SC3E009	C7 (C3e) - Pile cap Pile breakdown to cut-off etc.	4	26-Jun-15	0%	4	30-Jun-15	26-Aug-15	29-Aug-15	47	0	0%
SC3E010	C7 (C3e) - Pile cap Blinding	1	02-Jul-15	0%	1	02-Jul-15	31-Aug-15	31-Aug-15	47	0	0%
SC3E011	C7 (C3e) - Pile cap Formwork	3	08-Jul-15	0%	3	10-Jul-15	05-Sep-15	08-Sep-15	47	0	0%
SC3E012	C7 (C3e) - Pile cap Rebarwork	4	03-Jul-15	0%	4	07-Jul-15	01-Sep-15	04-Sep-15	47	0	0%
SC3E012	C7 (C3e) - Pile cap Kicker Formwork	2	13-Jul-15	0%	2	14-Jul-15	16-Sep-15	18-Sep-15	51	4	0%
SC3E013	C7 (C3e) - Pile cap Concreting	1	11-Jul-15	0%	1	11-Jul-15	10-Sep-15	10-Sep-15	47	0	0%



Actual Work
Planned Bar
Critical Bar
Milestone

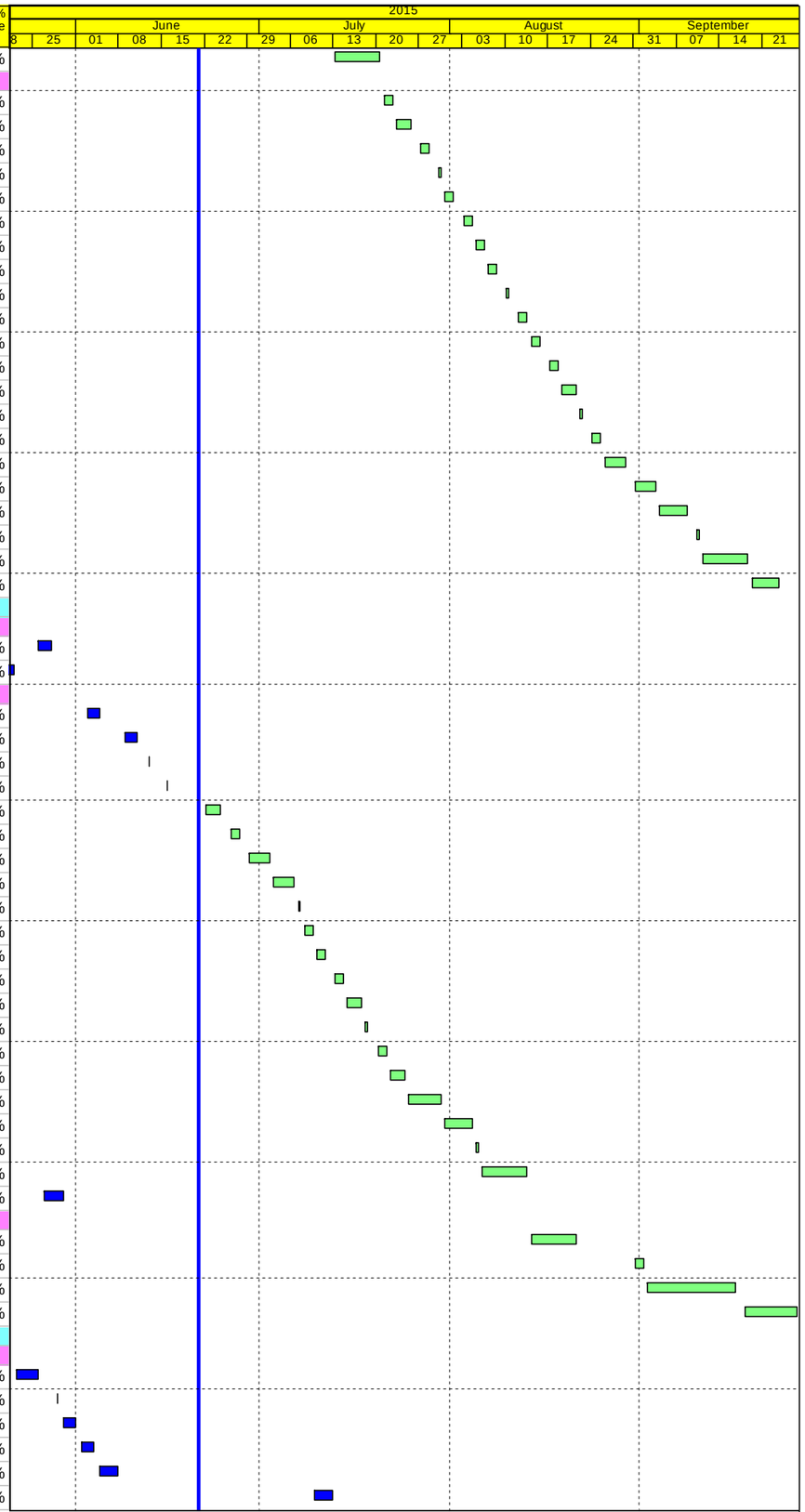
Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 10 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
SC3E014	C7 (C3e) - Pile cap Curing & Striking of Forms incl. CJ prep	6	13-Jul-15	0%	6	20-Jul-15	11-Sep-15	18-Sep-15	47	0	0%
Pier Works											
SC3E015	C7 (C3e) - Type 5B Pier Scaffolding (1st Lift)	2	21-Jul-15	0%	2	22-Jul-15	19-Sep-15	21-Sep-15	47	0	0%
SC3E016	C7 (C3e) - Type 5B Pier Rebarwork (1st Lift)	3	23-Jul-15	0%	3	25-Jul-15	22-Sep-15	24-Sep-15	47	0	0%
SC3E017	C7 (C3e) - Type 5B Pier Formwork & Prep for Concreting (1st Lift)	2	27-Jul-15	0%	2	28-Jul-15	25-Sep-15	26-Sep-15	47	0	0%
SC3E018	C7 (C3e) - Type 5B Pier Concreting (1st Lift)	1	30-Jul-15	0%	1	30-Jul-15	29-Sep-15	29-Sep-15	47	0	0%
SC3E018	C7 (C3e) - Type 5B Pier Curing & Striking of Forms incl. CJ prep (1st Lift)	2	31-Jul-15	0%	2	01-Aug-15	30-Sep-15	02-Oct-15	47	0	0%
SC3E019	C7 (C3e) - Type 5B Pier Scaffolding (2nd Lift)	2	03-Aug-15	0%	2	04-Aug-15	03-Oct-15	05-Oct-15	47	0	0%
SC3E020	C7 (C3e) - Type 5B Pier Rebarwork (2nd Lift)	2	05-Aug-15	0%	2	06-Aug-15	06-Oct-15	07-Oct-15	47	0	0%
SC3E021	C7 (C3e) - Type 5B Pier Formwork & Prep for Concreting (2nd Lift)	2	07-Aug-15	0%	2	08-Aug-15	08-Oct-15	09-Oct-15	47	0	0%
SC3E022	C7 (C3e) - Type 5B Pier Concreting (2nd Lift)	1	10-Aug-15	0%	1	10-Aug-15	10-Oct-15	10-Oct-15	47	0	0%
SC3E022	C7 (C3e) - Type 5B Pier Curing & Striking of Forms incl. CJ prep (2nd Lift)	2	12-Aug-15	0%	2	13-Aug-15	12-Oct-15	13-Oct-15	47	0	0%
SC3E023	C7 (C3e) - Type 5B Pier Scaffolding (3rd Lift)	2	14-Aug-15	0%	2	15-Aug-15	15-Oct-15	16-Oct-15	47	0	0%
SC3E024	C7 (C3e) - Type 5B Pier Rebarwork (3rd Lift)	2	17-Aug-15	0%	2	18-Aug-15	17-Oct-15	19-Oct-15	47	0	0%
SC3E025	C7 (C3e) - Type 5B Pier Formwork & Prep for Concreting (3rd Lift)	2	19-Aug-15	0%	2	21-Aug-15	20-Oct-15	22-Oct-15	47	0	0%
SC3E026	C7 (C3e) - Type 5B Pier Concreting (3rd Lift)	1	22-Aug-15	0%	1	22-Aug-15	23-Oct-15	23-Oct-15	47	0	0%
SC3E026	C7 (C3e) - Type 5B Pier Curing & Striking of Forms incl. CJ prep (3rd Lift)	2	24-Aug-15	0%	2	25-Aug-15	24-Oct-15	26-Oct-15	47	0	0%
SC3E027	C7 (C3e) - Type 5B Pier Head Scaffolding	4	26-Aug-15	0%	4	29-Aug-15	27-Oct-15	31-Oct-15	47	0	0%
SC3E028	C7 (C3e) - Type 5B Pier Head Rebarwork	4	31-Aug-15	0%	4	03-Sep-15	02-Nov-15	05-Nov-15	47	0	0%
SC3E029	C7 (C3e) - Type 5B Pier Head Formwork & Prep for Concreting	4	04-Sep-15	0%	4	08-Sep-15	06-Nov-15	11-Nov-15	48	0	0%
SC3E030	C7 (C3e) - Type 5B Pier Head Concreting	1	10-Sep-15	0%	1	10-Sep-15	12-Nov-15	12-Nov-15	48	0	0%
SC3E031	C7 (C3e) - Type 5B Pier head Curing/Striking of Forms/Remove Scaffolding	6	11-Sep-15	0%	6	18-Sep-15	13-Nov-15	19-Nov-15	48	0	0%
SC3E032	C7 (C3e) - Type 5B Pier Backfilling Works	4	19-Sep-15	0%	4	23-Sep-15	20-Nov-15	24-Nov-15	48	0	0%
Pier C8 (C3d)											
Pile Cap Works											
SC3D011	C8 (C3d) - Pile cap Kicker Formwork	2	26-May-15 A	100%	0	28-May-15 A					100%
SC3D014	C8 (C3d) - Pile cap Curing & Striking of Forms incl. CJ prep	6	17-May-15 A	100%	0	22-May-15 A					100%
Pier Works											
SC3D015	C8 (C3d) - Type 5B Pier Scaffolding (1st Lift)	2	03-Jun-15 A	100%	0	05-Jun-15 A					100%
SC3D016	C8 (C3d) - Type 5B Pier Rebarwork (1st Lift)	3	09-Jun-15 A	100%	0	11-Jun-15 A					100%
SC3D017	C8 (C3d) - Type 5B Pier Formwork & Prep for Concreting (1st Lift)	2	13-Jun-15 A	100%	0	13-Jun-15 A					100%
SC3D018	C8 (C3d) - Type 5B Pier Concreting (1st Lift)	1	16-Jun-15 A	100%	0	16-Jun-15 A					100%
SC3D018	C8 (C3d) - Type 5B Pier Curing & Striking of Forms incl. CJ prep (1st Lift)	2	22-Jun-15	0%	2	24-Jun-15	09-Nov-15	10-Nov-15	106	0	0%
SC3D019	C8 (C3d) - Type 5B Pier Scaffolding (2nd Lift)	2	26-Jun-15	0%	2	27-Jun-15	11-Nov-15	12-Nov-15	106	0	0%
SC3D020	C8 (C3d) - Type 5B Pier Rebarwork (2nd Lift)	3	29-Jun-15	0%	3	02-Jul-15	13-Nov-15	16-Nov-15	106	0	0%
SC3D021	C8 (C3d) - Type 5B Pier Formwork & Prep for Concreting (2nd Lift)	3	03-Jul-15	0%	3	06-Jul-15	17-Nov-15	19-Nov-15	106	0	0%
SC3D022	C8 (C3d) - Type 5B Pier Concreting (2nd Lift)	1	07-Jul-15	0%	1	07-Jul-15	20-Nov-15	20-Nov-15	106	0	0%
SC3D022	C8 (C3d) - Type 5B Pier Curing & Striking of Forms incl. CJ prep (2nd Lift)	2	08-Jul-15	0%	2	09-Jul-15	21-Nov-15	23-Nov-15	106	0	0%
SC3D023	C8 (C3d) - Type 5B Pier Scaffolding (3rd Lift)	2	10-Jul-15	0%	2	11-Jul-15	24-Nov-15	25-Nov-15	106	0	0%
SC3D024	C8 (C3d) - Type 5B Pier Rebarwork (3rd Lift)	2	13-Jul-15	0%	2	14-Jul-15	26-Nov-15	27-Nov-15	106	0	0%
SC3D025	C8 (C3d) - Type 5B Pier Formwork & Prep for Concreting (3rd Lift)	2	15-Jul-15	0%	2	17-Jul-15	28-Nov-15	30-Nov-15	106	0	0%
SC3D026	C8 (C3d) - Type 5B Pier Concreting (3rd Lift)	1	18-Jul-15	0%	1	18-Jul-15	01-Dec-15	01-Dec-15	106	0	0%
SC3D026	C8 (C3d) - Type 5B Pier Curing & Striking of Forms incl. CJ prep (3rd Lift)	2	20-Jul-15	0%	2	21-Jul-15	02-Dec-15	03-Dec-15	106	0	0%
SC3D027	C8 (C3d) - Type 5B Pier Head Scaffolding	3	22-Jul-15	0%	3	24-Jul-15	04-Dec-15	07-Dec-15	106	0	0%
SC3D028	C8 (C3d) - Type 5B Pier Head Rebarwork	4	25-Jul-15	0%	4	30-Jul-15	08-Dec-15	11-Dec-15	106	0	0%
SC3D029	C8 (C3d) - Type 5B Pier Head Formwork & Prep for Concreting	4	31-Jul-15	0%	4	04-Aug-15	12-Dec-15	16-Dec-15	106	0	0%
SC3D030	C8 (C3d) - Type 5B Pier Head Concreting	1	05-Aug-15	0%	1	05-Aug-15	17-Dec-15	17-Dec-15	106	0	0%
SC3D031	C8 (C3d) - Type 5B Pier Head Curing/Striking of Forms/Remove Scaffolding	6	06-Aug-15	0%	6	13-Aug-15	18-Dec-15	24-Dec-15	106	0	0%
SC3D032	C8 (C3d) - Type 5B Pier Backfilling Works	4	27-May-15 A	100%	0	30-May-15 A					100%
Pier Head Segments											
SC3D037	C8 (C3d) - Pier Head Segment - Temporary Platform	6	14-Aug-15	0%	6	21-Aug-15	28-Dec-15	04-Jan-16	106	7	0%
SC3D037	C8 (C3d) - Pier Head Segment Lift & Fix (1 seg)	2	31-Aug-15	0%	2	01-Sep-15	05-Jan-16	06-Jan-16	99	0	0%
SC3D037	C8 (C3d) - Pier Head Segment Diaphragm - Rebar	12	02-Sep-15	0%	12	16-Sep-15	07-Jan-16	20-Jan-16	99	0	0%
SC3D037	C8 (C3d) - Pier Head Segment Diaphragm - Formwork	8	18-Sep-15	0%	8	26-Sep-15	21-Jan-16	29-Jan-16	99	0	0%
Pier C9 (C3c)											
Pier Works											
SC3C021	C9 (C3c) - Type 5B Pier Formwork & Prep for Concreting (2nd Lift)	3	22-May-15 A	100%	0	26-May-15 A					100%
SC3C022	C9 (C3c) - Type 5B Pier Concreting (2nd Lift)	1	29-May-15 A	100%	0	29-May-15 A					100%
SC3C022	C9 (C3c) - Type 5B Pier Curing & Striking of Forms incl. CJ prep (2nd Lift)	3	30-May-15 A	100%	0	01-Jun-15 A					100%
SC3C023	C9 (C3c) - Type 5B Pier Scaffolding (3rd Lift)	2	02-Jun-15 A	100%	0	04-Jun-15 A					100%
SC3C024	C9 (C3c) - Type 5B Pier Rebarwork (3rd Lift)	2	05-Jun-15 A	100%	0	08-Jun-15 A					100%
SC3C025	C9 (C3c) - Type 5B Pier Formwork & Prep for Concreting (3rd Lift)	2	10-Jul-15 A	100%	0	13-Jul-15 A					100%



Actual Work
Planned Bar
Critical Bar
Milestone

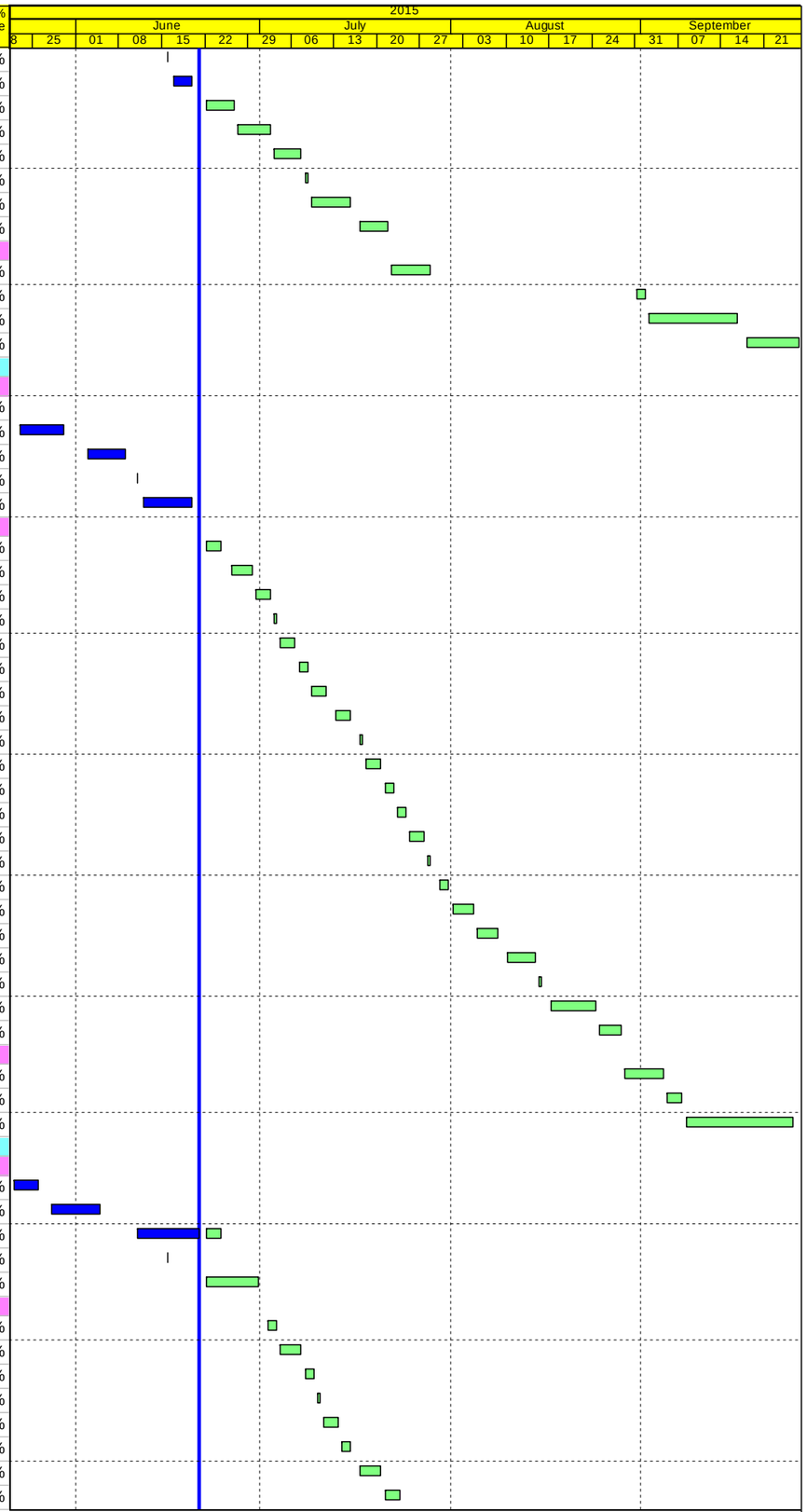
Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 11 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
SC3C026	C9 (C3c) - Type 5B Pier Concreting (3rd Lift)	1	16-Jun-15 A	100%	0	16-Jun-15 A					100%
SC3C026	C9 (C3c) - Type 5B Pier Curing & Striking of Forms incl. CJ prep (3rd Lift)	2	17-Jun-15 A	100%	0	20-Jun-15 A					100%
SC3C027	C9 (C3c) - Type 5B Pier Head Scaffolding	3	22-Jun-15	0%	3	26-Jun-15	02-Jan-16	05-Jan-16	150	0	0%
SC3C028	C9 (C3c) - Type 5B Pier Head Rebarwork	4	27-Jun-15	0%	4	02-Jul-15	06-Jan-16	09-Jan-16	150	0	0%
SC3C029	C9 (C3c) - Type 5B Pier Head Formwork & Prep for Concreting	4	03-Jul-15	0%	4	07-Jul-15	11-Jan-16	14-Jan-16	150	0	0%
SC3C030	C9 (C3c) - Type 5B Pier Head Concreting	1	08-Jul-15	0%	1	08-Jul-15	15-Jan-16	15-Jan-16	150	0	0%
SC3C031	C9 (C3c) - Type 5B Pier Head Curing/Striking of Forms/Remove Scaffolding	6	09-Jul-15	0%	6	15-Jul-15	16-Jan-16	22-Jan-16	150	0	0%
SC3C032	C9 (C3c) - Type 5B Pier Backfilling Works	4	17-Jul-15	0%	4	21-Jul-15	23-Jan-16	27-Jan-16	150	0	0%
Pier Head Segments											
SC3C037	C9 (C3c) - Pier Head Segment - Temporary Platform	6	22-Jul-15	0%	6	28-Jul-15	28-Jan-16	03-Feb-16	150	25	0%
SC3C037	C9 (C3c) - Pier Head Segment Lift & Fix (1 seg)	2	31-Aug-15	0%	2	01-Sep-15	04-Feb-16	05-Feb-16	125	0	0%
SC3C037	C9 (C3c) - Pier Head Segment Diaphragm - Rebar	12	02-Sep-15	0%	12	16-Sep-15	06-Feb-16	23-Feb-16	125	0	0%
SC3C037	C9 (C3c) - Pier Head Segment Diaphragm - Formwork	8	18-Sep-15	0%	8	26-Sep-15	24-Feb-16	03-Mar-16	125	0	0%
Pier C10 (C3b)											
Pile Cap Works											
SC3B011	C10 (C3b) - Pile cap Formwork	3	16-May-15 A	100%	0	21-May-15 A					100%
SC3B012	C10 (C3b) - Pile cap Rebarwork	4	23-May-15 A	100%	0	30-May-15 A					100%
SC3B012	C10 (C3b) - Pile cap Kicker Formwork	2	03-Jun-15 A	100%	0	09-Jun-15 A					100%
SC3B013	C10 (C3b) - Pile cap Concreting	1	11-Jun-15 A	100%	0	11-Jun-15 A					100%
SC3B014	C10 (C3b) - Pile cap Curing & Striking of Forms incl. CJ prep	6	12-Jun-15 A	100%	0	20-Jun-15 A					100%
Pier Works											
SC3B015	C10 (C3b) - Type 5B Pier Scaffolding (1st Lift)	2	22-Jun-15	0%	2	24-Jun-15	14-Dec-15	16-Dec-15	136	0	0%
SC3B016	C10 (C3b) - Type 5B Pier Rebarwork (1st Lift)	3	26-Jun-15	0%	3	29-Jun-15	16-Dec-15	19-Dec-15	136	0	0%
SC3B017	C10 (C3b) - Type 5B Pier Formwork & Prep for Concreting (1st Lift)	2	30-Jun-15	0%	2	02-Jul-15	19-Dec-15	22-Dec-15	136	0	0%
SC3B018	C10 (C3b) - Type 5B Pier Concreting (1st Lift)	1	03-Jul-15	0%	1	03-Jul-15	22-Dec-15	23-Dec-15	136	0	0%
SC3B018	C10 (C3b) - Type 5B Pier Curing & Striking of Forms incl. CJ prep (1st Lift)	2	04-Jul-15	0%	2	06-Jul-15	23-Dec-15	29-Dec-15	137	0	0%
SC3B019	C10 (C3b) - Type 5B Pier Scaffolding (2nd Lift)	2	07-Jul-15	0%	2	08-Jul-15	29-Dec-15	31-Dec-15	137	0	0%
SC3B020	C10 (C3b) - Type 5B Pier Rebarwork (2nd Lift)	3	09-Jul-15	0%	3	11-Jul-15	31-Dec-15	05-Jan-16	137	0	0%
SC3B021	C10 (C3b) - Type 5B Pier Formwork & Prep for Concreting (2nd Lift)	3	13-Jul-15	0%	3	15-Jul-15	05-Jan-16	08-Jan-16	137	0	0%
SC3B022	C10 (C3b) - Type 5B Pier Concreting (2nd Lift)	1	17-Jul-15	0%	1	17-Jul-15	08-Jan-16	09-Jan-16	137	0	0%
SC3B022	C10 (C3b) - Type 5B Pier Curing & Striking of Forms incl. CJ prep (2nd Lift)	2	18-Jul-15	0%	2	20-Jul-15	09-Jan-16	13-Jan-16	138	0	0%
SC3B023	C10 (C3b) - Type 5B Pier Scaffolding (3rd Lift)	2	21-Jul-15	0%	2	22-Jul-15	13-Jan-16	15-Jan-16	138	0	0%
SC3B024	C10 (C3b) - Type 5B Pier Rebarwork (3rd Lift)	2	23-Jul-15	0%	2	24-Jul-15	15-Jan-16	18-Jan-16	138	0	0%
SC3B025	C10 (C3b) - Type 5B Pier Formwork & Prep for Concreting (3rd Lift)	2	25-Jul-15	0%	2	27-Jul-15	18-Jan-16	20-Jan-16	138	0	0%
SC3B026	C10 (C3b) - Type 5B Pier Concreting (3rd Lift)	1	28-Jul-15	0%	1	28-Jul-15	20-Jan-16	21-Jan-16	138	0	0%
SC3B026	C10 (C3b) - Type 5B Pier Curing & Striking of Forms incl. CJ prep (3rd Lift)	2	30-Jul-15	0%	2	31-Jul-15	21-Jan-16	25-Jan-16	139	0	0%
SC3B027	C10 (C3b) - Type 5B Pier Head Scaffolding	3	01-Aug-15	0%	3	04-Aug-15	25-Jan-16	28-Jan-16	139	0	0%
SC3B028	C10 (C3b) - Type 5B Pier Head Rebarwork	4	05-Aug-15	0%	4	08-Aug-15	28-Jan-16	02-Feb-16	139	0	0%
SC3B029	C10 (C3b) - Type 5B Pier Head Formwork & Prep for Concreting	4	10-Aug-15	0%	4	14-Aug-15	02-Feb-16	11-Feb-16	140	0	0%
SC3B030	C10 (C3b) - Type 5B Pier Head Concreting	1	15-Aug-15	0%	1	15-Aug-15	11-Feb-16	12-Feb-16	140	0	0%
SC3B031	C10 (C3b) - Type 5B Pier Head Curing/Striking of Forms/Remove Scaffolding	6	17-Aug-15	0%	6	24-Aug-15	12-Feb-16	19-Feb-16	140	0	0%
SC3B032	C10 (C3b) - Type 5B Pier Backfilling Works	4	25-Aug-15	0%	4	28-Aug-15	19-Feb-16	24-Feb-16	140	0	0%
Pier Head Segments											
SC3B037	C10 (C3b) - Pier Head Segment - Temporary Platform	6	29-Aug-15	0%	6	04-Sep-15	24-Feb-16	02-Mar-16	140	0	0%
SC3B037	C10 (C3b) - Pier Head Segment Lift & Fix (1 seg)	2	05-Sep-15	0%	2	07-Sep-15	02-Mar-16	04-Mar-16	140	0	0%
SC3B037	C10 (C3b) - Pier Head Segment Diaphragm - Rebar	14	08-Sep-15	0%	14	25-Sep-15	04-Mar-16	19-Mar-16	140	0	0%
Pier C11 (C3a)											
Pile Cap Works											
SC3A011	C11 (C3a) - Pile cap Formwork	3	22-May-15 A	100%	0	26-May-15 A					100%
SC3A012	C11 (C3a) - Pile cap Rebarwork	4	28-May-15 A	100%	0	05-Jun-15 A					100%
SC3A012	C11 (C3a) - Pile cap Kicker Formwork	2	11-Jun-15 A	0%	2	24-Jun-15	21-Jan-16	22-Jan-16	166	4	0%
SC3A013	C11 (C3a) - Pile cap Concreting	1	16-Jun-15 A	100%	0	16-Jun-15 A					100%
SC3A014	C11 (C3a) - Pile cap Curing & Striking of Forms incl. CJ prep	6	22-Jun-15	0%	6	30-Jun-15	16-Jan-16	22-Jan-16	162	0	0%
Pier Works											
SC3A015	C11 (C3a) - Type 5B-MJ Pier Scaffolding (1st Lift)	2	02-Jul-15	0%	2	03-Jul-15	23-Jan-16	25-Jan-16	162	0	0%
SC3A016	C11 (C3a) - Type 5B-MJ Pier Rebarwork (1st Lift)	3	04-Jul-15	0%	3	07-Jul-15	26-Jan-16	28-Jan-16	162	0	0%
SC3A017	C11 (C3a) - Type 5B-MJ Pier Formwork & Prep for Concreting (1st Lift)	2	08-Jul-15	0%	2	09-Jul-15	29-Jan-16	30-Jan-16	162	0	0%
SC3A018	C11 (C3a) - Type 5B-MJ Pier Concreting (1st Lift)	1	10-Jul-15	0%	1	10-Jul-15	01-Feb-16	01-Feb-16	162	0	0%
SC3A018	C11 (C3a) - Type 5B-MJ Pier Curing & Striking of Forms incl. CJ prep (1st Lif	2	11-Jul-15	0%	2	13-Jul-15	02-Feb-16	03-Feb-16	162	0	0%
SC3A019	C11 (C3a) - Type 5B-MJ Pier Scaffolding (2nd Lift)	2	14-Jul-15	0%	2	15-Jul-15	04-Feb-16	05-Feb-16	162	0	0%
SC3A020	C11 (C3a) - Type 5B-MJ Pier Rebarwork (2nd Lift)	3	17-Jul-15	0%	3	20-Jul-15	06-Feb-16	12-Feb-16	162	0	0%
SC3A021	C11 (C3a) - Type 5B-MJ Pier Formwork & Prep for Concreting (2nd Lift)	3	21-Jul-15	0%	3	23-Jul-15	13-Feb-16	16-Feb-16	162	0	0%



Actual Work
Planned Bar
Critical Bar
Milestone

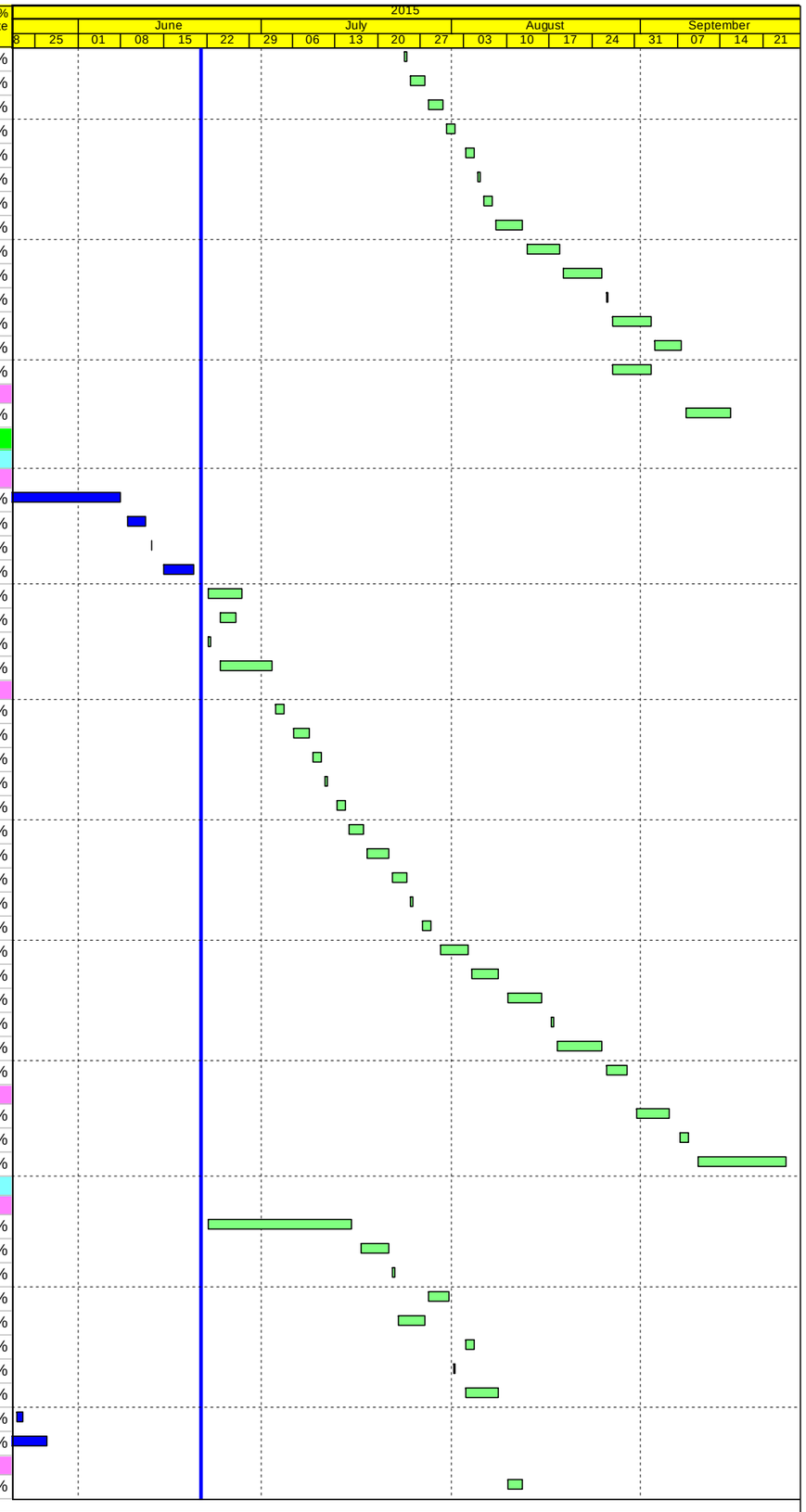
Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 12 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
SC3A022	C11 (C3a) - Type 5B-MJ Pier Concreting (2nd Lift)	1	24-Jul-15	0%	1	24-Jul-15	17-Feb-16	17-Feb-16	162	0	0%
SC3A022	C11 (C3a) - Type 5B-MJ Pier Curing & Striking of Forms incl. CJ prep (2nd Li	2	25-Jul-15	0%	2	27-Jul-15	18-Feb-16	19-Feb-16	162	0	0%
SC3A023	C11 (C3a) - Type 5B-MJ Pier Scaffolding (3rd Lift)	2	28-Jul-15	0%	2	30-Jul-15	20-Feb-16	22-Feb-16	162	0	0%
SC3A024	C11 (C3a) - Type 5B-MJ Pier Rebarwork (3rd Lift)	2	31-Jul-15	0%	2	01-Aug-15	23-Feb-16	24-Feb-16	162	0	0%
SC3A025	C11 (C3a) - Type 5B-MJ Pier Formwork & Prep for Concreting (3rd Lift)	2	03-Aug-15	0%	2	04-Aug-15	25-Feb-16	26-Feb-16	162	0	0%
SC3A026	C11 (C3a) - Type 5B-MJ Pier Concreting (3rd Lift)	1	05-Aug-15	0%	1	05-Aug-15	27-Feb-16	27-Feb-16	162	0	0%
SC3A026	C11 (C3a) - Type 5B-MJ Pier Curing & Striking of Forms incl. CJ prep (3rd Lif	2	06-Aug-15	0%	2	07-Aug-15	29-Feb-16	01-Mar-16	162	0	0%
SC3A030	C11 (C3a) - Type 5B-MJ Pier Head Scaffolding	3	08-Aug-15	0%	3	12-Aug-15	02-Mar-16	04-Mar-16	162	0	0%
SC3A031	C11 (C3a) - Type 5B-MJ Pier Head Rebarwork	5	13-Aug-15	0%	5	18-Aug-15	05-Mar-16	10-Mar-16	162	0	0%
SC3A032	C11 (C3a) - Type 5B-MJ Pier Head Formwork & Prep for Concreting	5	19-Aug-15	0%	5	25-Aug-15	11-Mar-16	16-Mar-16	162	0	0%
SC3A033	C11 (C3a) - Type 5B-MJ Pier Head Concreting	1	26-Aug-15	0%	1	26-Aug-15	17-Mar-16	17-Mar-16	162	0	0%
SC3A034	C11 (C3a) - Type 5B-MJ Pier Head Curing/Striking of Forms/Remove Scaffol	6	27-Aug-15	0%	6	02-Sep-15	18-Mar-16	24-Mar-16	162	0	0%
SC3A036	C11 (C3a) - Type 5B-MJ Pier Backfilling Works	4	03-Sep-15	0%	4	07-Sep-15	29-Mar-16	01-Apr-16	162	0	0%
SC3A038	C11 (C3a) - Type 5B-Bearing Plinth	6	27-Aug-15	0%	6	02-Sep-15	18-Mar-16	24-Mar-16	162	0	0%
Pier Head Segments											
SC3A037	C11 (C3a) - Pier Head Segment - Temporary Platform	6	08-Sep-15	0%	6	15-Sep-15	02-Apr-16	09-Apr-16	162	104	0%
Bridge C2											
Pier C12 (C2f)											
Pile Cap Works											
SC2F0090	C12 (C2f) - Pile cap Excavation / ELS (incl. sheet piling)	18	19-May-15 A	100%	0	08-Jun-15 A					100%
SC2F0092	C12 (C2f) - Pile cap Pile breakdown to cut-off etc.	4	09-Jun-15 A	100%	0	12-Jun-15 A					100%
SC2F0100	C12 (C2f) - Pile cap Blinding	1	13-Jun-15 A	100%	0	13-Jun-15 A					100%
SC2F0110	C12 (C2f) - Pile cap Formwork	3	15-Jun-15 A	100%	0	20-Jun-15 A					100%
SC2F0120	C12 (C2f) - Pile cap Rebarwork	4	22-Jun-15	0%	4	27-Jun-15	12-Dec-18	15-Dec-18	993	993	0%
SC2F0122	C12 (C2f) - Pile cap Kicker Formwork	2	24-Jun-15	0%	2	26-Jun-15	08-Jan-16	11-Jan-16	155	4	0%
SC2F0130	C12 (C2f) - Pile cap Concreting	1	22-Jun-15	0%	1	22-Jun-15	04-Jan-16	04-Jan-16	151	0	0%
SC2F0140	C12 (C2f) - Pile cap Curing & Striking of Forms incl. CJ prep	6	24-Jun-15	0%	6	02-Jul-15	05-Jan-16	11-Jan-16	151	0	0%
Pier Works											
SC2F0150	C12 (C2f) - Pier Scaffolding (1st Lift)	2	03-Jul-15	0%	2	04-Jul-15	12-Jan-16	13-Jan-16	151	0	0%
SC2F0160	C12 (C2f) - Pier Rebarwork (1st Lift)	3	06-Jul-15	0%	3	08-Jul-15	14-Jan-16	16-Jan-16	151	0	0%
SC2F0170	C12 (C2f) - Pier Formwork & Prep for Concreting (1st Lift)	2	09-Jul-15	0%	2	10-Jul-15	18-Jan-16	19-Jan-16	151	0	0%
SC2F0180	C12 (C2f) - Pier Concreting (1st Lift)	1	11-Jul-15	0%	1	11-Jul-15	20-Jan-16	20-Jan-16	151	0	0%
SC2F0182	C12 (C2f) - Pier Curing & Striking of Forms incl. CJ prep (1st Lift)	2	13-Jul-15	0%	2	14-Jul-15	21-Jan-16	22-Jan-16	151	0	0%
SC2F0190	C12 (C2f) - Pier Scaffolding (2nd Lift)	2	15-Jul-15	0%	2	17-Jul-15	23-Jan-16	25-Jan-16	151	0	0%
SC2F0200	C12 (C2f) - Pier Rebarwork (2nd Lift)	3	18-Jul-15	0%	3	21-Jul-15	26-Jan-16	28-Jan-16	151	0	0%
SC2F0210	C12 (C2f) - Pier Formwork & Prep for Concreting (2nd Lift)	3	22-Jul-15	0%	3	24-Jul-15	29-Jan-16	01-Feb-16	151	0	0%
SC2F0220	C12 (C2f) - Pier Concreting (2nd Lift)	1	25-Jul-15	0%	1	25-Jul-15	02-Feb-16	02-Feb-16	151	0	0%
SC2F0222	C12 (C2f) - Pier Curing & Striking of Forms incl. CJ prep (2nd Lift)	2	27-Jul-15	0%	2	28-Jul-15	03-Feb-16	04-Feb-16	151	0	0%
SC2F0230	C12 (C2f) - Pier Head Scaffolding	4	30-Jul-15	0%	4	03-Aug-15	05-Feb-16	12-Feb-16	151	0	0%
SC2F0240	C12 (C2f) - Pier Head Rebarwork	5	04-Aug-15	0%	5	08-Aug-15	13-Feb-16	18-Feb-16	151	0	0%
SC2F0250	C12 (C2f) - Pier Head Formwork & Prep for Concreting	5	10-Aug-15	0%	5	15-Aug-15	19-Feb-16	24-Feb-16	151	0	0%
SC2F0260	C12 (C2f) - Pier Head Concreting	1	17-Aug-15	0%	1	17-Aug-15	25-Feb-16	25-Feb-16	151	0	0%
SC2F0270	C12 (C2f) - Pier Head Curing/Striking of Forms/Remove Scaffolding	6	18-Aug-15	0%	6	25-Aug-15	26-Feb-16	03-Mar-16	151	0	0%
SC2F0275	C12 (C2f) - Pier Backfilling Works	4	26-Aug-15	0%	4	29-Aug-15	04-Mar-16	08-Mar-16	151	0	0%
Pier Head Segments											
SC2F0370	C12 (C2f) - Pier Head Segment - Temporary Platform	6	31-Aug-15	0%	6	05-Sep-15	09-Mar-16	15-Mar-16	151	0	0%
SC2F0372	C12 (C2f) - Pier Head Segment Lift & Fix (1 seg)	2	07-Sep-15	0%	2	08-Sep-15	16-Mar-16	17-Mar-16	151	0	0%
SC2F0374	C12 (C2f) - Pier Head Segment Diaphragm - Rebar	12	10-Sep-15	0%	12	24-Sep-15	18-Mar-16	05-Apr-16	151	0	0%
Pier C13 (C2e) Portal											
Pile Cap Works											
SC2EL09	C13A (C2e-L) - Pile cap Excavation / ELS	18	22-Jun-15	0%	18	15-Jul-15	10-Nov-15	30-Nov-15	107	0	0%
SC2EL09	C13A (C2e-L) - Pile cap Pile breakdown to cut-off etc	4	17-Jul-15	0%	4	21-Jul-15	01-Dec-15	04-Dec-15	107	0	0%
SC2EL10	C13A (C2e-L) - Pile cap Blinding	1	22-Jul-15	0%	1	22-Jul-15	05-Dec-15	05-Dec-15	107	0	0%
SC2EL11	C13A (C2e-L) - Pile cap Formwork	3	28-Jul-15	0%	3	31-Jul-15	11-Dec-15	14-Dec-15	107	0	0%
SC2EL12	C13A (C2e-L) - Pile cap Rebarwork	4	23-Jul-15	0%	4	27-Jul-15	07-Dec-15	10-Dec-15	107	0	0%
SC2EL12	C13A (C2e-L)- Pile cap Kicker Formwork	2	03-Aug-15	0%	2	04-Aug-15	21-Dec-15	22-Dec-15	111	4	0%
SC2EL13	C13A (C2e-L)- Pile cap Concreting	1	01-Aug-15	0%	1	01-Aug-15	15-Dec-15	15-Dec-15	107	0	0%
SC2EL14	C13A (C2e-L)- Pile cap Curing & Striking of Forms incl. CJ prep	6	03-Aug-15	0%	6	08-Aug-15	16-Dec-15	22-Dec-15	107	0	0%
SC2ER11	C13B (C2e-R)- Pile cap Kicker Formwork	2	22-May-15 A	100%	0	23-May-15 A					100%
SC2ER14	C13B (C2e-R) - Pile cap Curing & Striking of Forms incl. CJ prep	6	20-May-15 A	100%	0	27-May-15 A					100%
Pier Works											
SC2EL15	C13A (C2e-N) - Pier Scaffolding (1st Lift)	2	10-Aug-15	0%	2	12-Aug-15	23-Dec-15	24-Dec-15	107	0	0%



Actual Work
Planned Bar
Critical Bar
Milestone

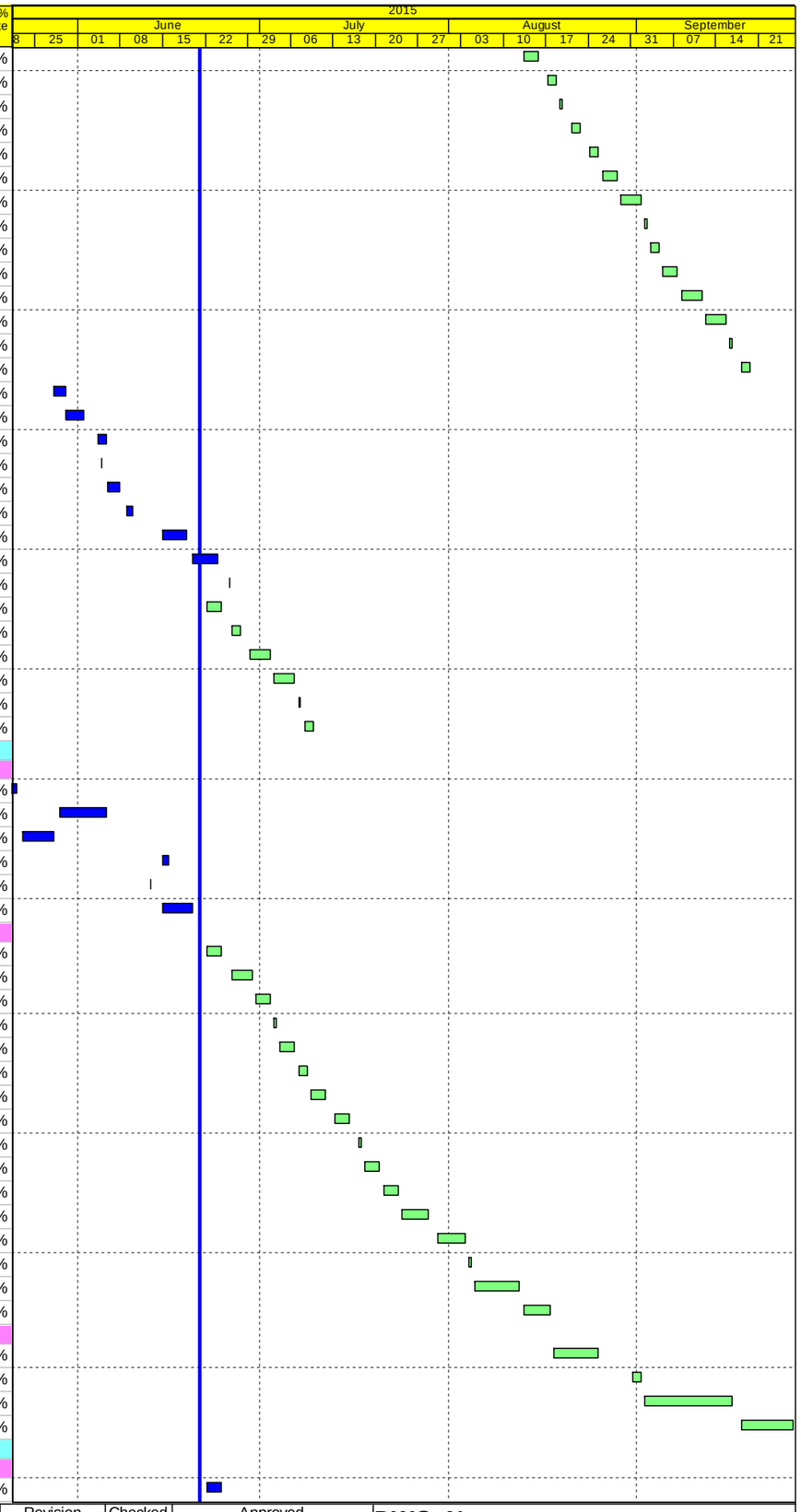
Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 13 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
SC2EL16	C13A (C2e-L) - Pier Rebarwork (1st Lift)	3	13-Aug-15	0%	3	15-Aug-15	28-Dec-15	30-Dec-15	107	0	0%
SC2EL17	C13A (C2e-L) - Pier Formwork & Prep for Concreting (1st Lift)	2	17-Aug-15	0%	2	18-Aug-15	31-Dec-15	02-Jan-16	107	0	0%
SC2EL18	C13A (C2e-L) - Pier Concreting (1st Lift)	1	19-Aug-15	0%	1	19-Aug-15	04-Jan-16	04-Jan-16	107	0	0%
SC2EL18	C13A (C2e-L) - Pier Curing & Striking of Forms incl. CJ prep (1st Lift)	2	21-Aug-15	0%	2	22-Aug-15	05-Jan-16	06-Jan-16	107	0	0%
SC2EL19	C13A (C2e-L) - Pier Scaffolding (2nd Lift)	2	24-Aug-15	0%	2	25-Aug-15	07-Jan-16	08-Jan-16	107	0	0%
SC2EL20	C13A (C2e-L) - Pier Rebarwork (2nd Lift)	3	26-Aug-15	0%	3	28-Aug-15	09-Jan-16	12-Jan-16	107	0	0%
SC2EL21	C13A (C2e-L) - Pier Formwork & Prep for Concreting (2nd Lift)	3	29-Aug-15	0%	3	01-Sep-15	13-Jan-16	15-Jan-16	107	0	0%
SC2EL22	C13A (C2e-L) - Pier Concreting (2nd Lift)	1	02-Sep-15	0%	1	02-Sep-15	16-Jan-16	16-Jan-16	107	0	0%
SC2EL22	C13A (C2e-L) - Pier Curing & Striking of Forms incl. CJ prep (2nd Lift)	2	03-Sep-15	0%	2	04-Sep-15	18-Jan-16	19-Jan-16	107	0	0%
SC2EL23	C13A (C2e-L) - Pier Scaffolding (3rd Lift)	2	05-Sep-15	0%	2	07-Sep-15	20-Jan-16	21-Jan-16	107	0	0%
SC2EL24	C13A (C2e-L) - Pier Rebarwork (3rd Lift)	3	08-Sep-15	0%	3	11-Sep-15	22-Jan-16	25-Jan-16	107	0	0%
SC2EL25	C13A (C2e-L) - Pier Formwork & Prep for Concreting (3rd Lift)	3	12-Sep-15	0%	3	15-Sep-15	26-Jan-16	28-Jan-16	107	0	0%
SC2EL26	C13A (C2e-L) - Pier Concreting (3rd Lift)	1	16-Sep-15	0%	1	16-Sep-15	29-Jan-16	29-Jan-16	107	0	0%
SC2EL26	C13A (C2e-L) - Pier Curing & Striking of Forms incl. CJ prep (3rd Lift)	2	18-Sep-15	0%	2	19-Sep-15	30-Jan-16	01-Feb-16	107	0	0%
SC2ER15	C13B (C2e-R)- Pier Scaffolding (1st Lift)	2	28-May-15 A	100%	0	30-May-15 A					100%
SC2ER16	C13B (C2e-R)- Pier Rebarwork (1st Lift)	3	30-May-15 A	100%	0	02-Jun-15 A					100%
SC2ER17	C13B (C2e-R)- Pier Formwork & Prep for Concreting (1st Lift)	2	04-Jun-15 A	100%	0	05-Jun-15 A					100%
SC2ER18	C13B (C2e-R)- Pier Concreting (1st Lift)	1	05-Jun-15 A	100%	0	05-Jun-15 A					100%
SC2ER18	C13B (C2e-R)- Pier Curing & Striking of Forms incl. CJ prep (1st Lift)	2	06-Jun-15 A	100%	0	08-Jun-15 A					100%
SC2ER19	C13B (C2e-R)- Pier Scaffolding (2nd Lift)	2	09-Jun-15 A	100%	0	10-Jun-15 A					100%
SC2ER20	C13B (C2e-R) - Pier Rebarwork (2nd Lift)	3	15-Jun-15 A	100%	0	19-Jun-15 A					100%
SC2ER21	C13B (C2e-R)- Pier Formwork & Prep for Concreting (2nd Lift)	3	20-Jun-15 A	100%	0	24-Jun-15 A					100%
SC2ER22	C13B (C2e-R)- Pier Concreting (2nd Lift)	1	26-Jun-15 A	100%	0	26-Jun-15 A					100%
SC2ER22	C13B (C2e-R)- Pier Curing & Striking of Forms incl. CJ prep (2nd Lift)	2	22-Jun-15	0%	2	24-Jun-15	18-Jan-16	19-Jan-16	163	0	0%
SC2ER23	C13B (C2e-R)- Pier Scaffolding (3rd Lift)	2	26-Jun-15	0%	2	27-Jun-15	20-Jan-16	21-Jan-16	163	0	0%
SC2ER24	C13B (C2e-R)- Pier Rebarwork (3rd Lift)	3	29-Jun-15	0%	3	02-Jul-15	22-Jan-16	25-Jan-16	163	0	0%
SC2ER25	C13B (C2e-R)- Pier Formwork & Prep for Concreting (3rd Lift)	3	03-Jul-15	0%	3	06-Jul-15	26-Jan-16	28-Jan-16	163	0	0%
SC2ER26	C13B (C2e-R)- Pier Concreting (3rd Lift)	1	07-Jul-15	0%	1	07-Jul-15	29-Jan-16	29-Jan-16	163	0	0%
SC2ER26	C13B (C2e-R)- Pier Curing & Striking of Forms incl. CJ prep (3rd Lift)	2	08-Jul-15	0%	2	09-Jul-15	30-Jan-16	01-Feb-16	163	56	0%
Pier C14 (C2d)											
Pile Cap Works											
SC2D009	C14 (C2d) - Pile cap Pile breakdown to cut-off etc.	4	19-May-15 A	100%	0	22-May-15 A					100%
SC2D011	C14 (C2d) - Pile cap Formwork	3	29-May-15 A	100%	0	05-Jun-15 A					100%
SC2D012	C14 (C2d) - Pile cap Rebarwork	4	23-May-15 A	100%	0	28-May-15 A					100%
SC2D012	C14 (C2d) - Pile cap Kicker Formwork	2	15-Jun-15 A	100%	0	16-Jun-15 A					100%
SC2D013	C14 (C2d) - Pile cap Concreting	1	13-Jun-15 A	100%	0	13-Jun-15 A					100%
SC2D014	C14 (C2d) - Pile cap Curing & Striking of Forms incl. CJ prep	6	15-Jun-15 A	100%	0	20-Jun-15 A					100%
Pier Works											
SC2D015	C14 (C2d) - Type 5B Pier Scaffolding (1st Lift)	2	22-Jun-15	0%	2	24-Jun-15	01-Feb-16	02-Feb-16	175	0	0%
SC2D016	C14 (C2d) - Type 5B Pier Rebarwork (1st Lift)	3	26-Jun-15	0%	3	29-Jun-15	03-Feb-16	05-Feb-16	175	0	0%
SC2D017	C14 (C2d) - Type 5B Pier Formwork & Prep for Concreting (1st Lift)	2	30-Jun-15	0%	2	02-Jul-15	06-Feb-16	11-Feb-16	175	0	0%
SC2D018	C14 (C2d) - Type 5B Pier Concreting (1st Lift)	1	03-Jul-15	0%	1	03-Jul-15	12-Feb-16	12-Feb-16	175	0	0%
SC2D018	C14 (C2d) - Type 5B Pier Curing & Striking of Forms incl. CJ prep (1st Lift)	2	04-Jul-15	0%	2	06-Jul-15	13-Feb-16	15-Feb-16	175	0	0%
SC2D019	C14 (C2d) - Type 5B Pier Scaffolding (2nd Lift)	2	07-Jul-15	0%	2	08-Jul-15	16-Feb-16	17-Feb-16	175	0	0%
SC2D020	C14 (C2d) - Type 5B Pier Rebarwork (2nd Lift)	3	09-Jul-15	0%	3	11-Jul-15	18-Feb-16	20-Feb-16	175	0	0%
SC2D021	C14 (C2d) - Type 5B Pier Formwork & Prep for Concreting (2nd Lift)	3	13-Jul-15	0%	3	15-Jul-15	22-Feb-16	24-Feb-16	175	0	0%
SC2D022	C14 (C2d) - Type 5B Pier Concreting (2nd Lift)	1	17-Jul-15	0%	1	17-Jul-15	25-Feb-16	25-Feb-16	175	0	0%
SC2D022	C14 (C2d) - Type 5B Pier Curing & Striking of Forms incl. CJ prep (2nd Lift)	2	18-Jul-15	0%	2	20-Jul-15	26-Feb-16	27-Feb-16	175	0	0%
SC2D023	C14 (C2d) - Type 5B Pier Head Scaffolding	3	21-Jul-15	0%	3	23-Jul-15	29-Feb-16	02-Mar-16	175	0	0%
SC2D024	C14 (C2d) - Type 5B Pier Head Rebarwork	4	24-Jul-15	0%	4	28-Jul-15	03-Mar-16	07-Mar-16	175	0	0%
SC2D025	C14 (C2d) - Type 5B Pier Head Formwork & Prep for Concreting	4	30-Jul-15	0%	4	03-Aug-15	08-Mar-16	11-Mar-16	175	0	0%
SC2D026	C14 (C2d) - Type 5B Pier Head Concreting	1	04-Aug-15	0%	1	04-Aug-15	12-Mar-16	12-Mar-16	175	0	0%
SC2D027	C14 (C2d) - Type 5B Pier Head Curing & Striking of Forms & Remove Scaffo	6	05-Aug-15	0%	6	12-Aug-15	14-Mar-16	19-Mar-16	175	0	0%
SC2D028	C14 (C2d) - Type 5B Pier Backfilling Works	4	13-Aug-15	0%	4	17-Aug-15	21-Mar-16	24-Mar-16	175	0	0%
Pier Head Segments											
SC2D037	C14 (C2d) - Pier Head Segment - Temporary Platform	6	18-Aug-15	0%	6	25-Aug-15	29-Mar-16	05-Apr-16	175	4	0%
SC2D037	C14 (C2d) - Pier Head Segment Lift & Fix (1 seg)	2	31-Aug-15	0%	2	01-Sep-15	06-Apr-16	07-Apr-16	171	0	0%
SC2D037	C14 (C2d) - Pier Head Segment Diaphragm - Rebar	12	02-Sep-15	0%	12	16-Sep-15	08-Apr-16	23-Apr-16	171	0	0%
SC2D037	C14 (C2d) - Pier Head Segment Diaphragm - Formwork & Prep for Concretin	8	18-Sep-15	0%	8	26-Sep-15	25-Apr-16	04-May-16	171	0	0%
Pier C15 (C2c)											
Pile Cap Works											
SC2C012	C15 (C2c) - Pile cap Kicker Formwork	2	22-Jun-15 A	100%	0	24-Jun-15 A					100%



Actual Work
Planned Bar
Critical Bar
Milestone

Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

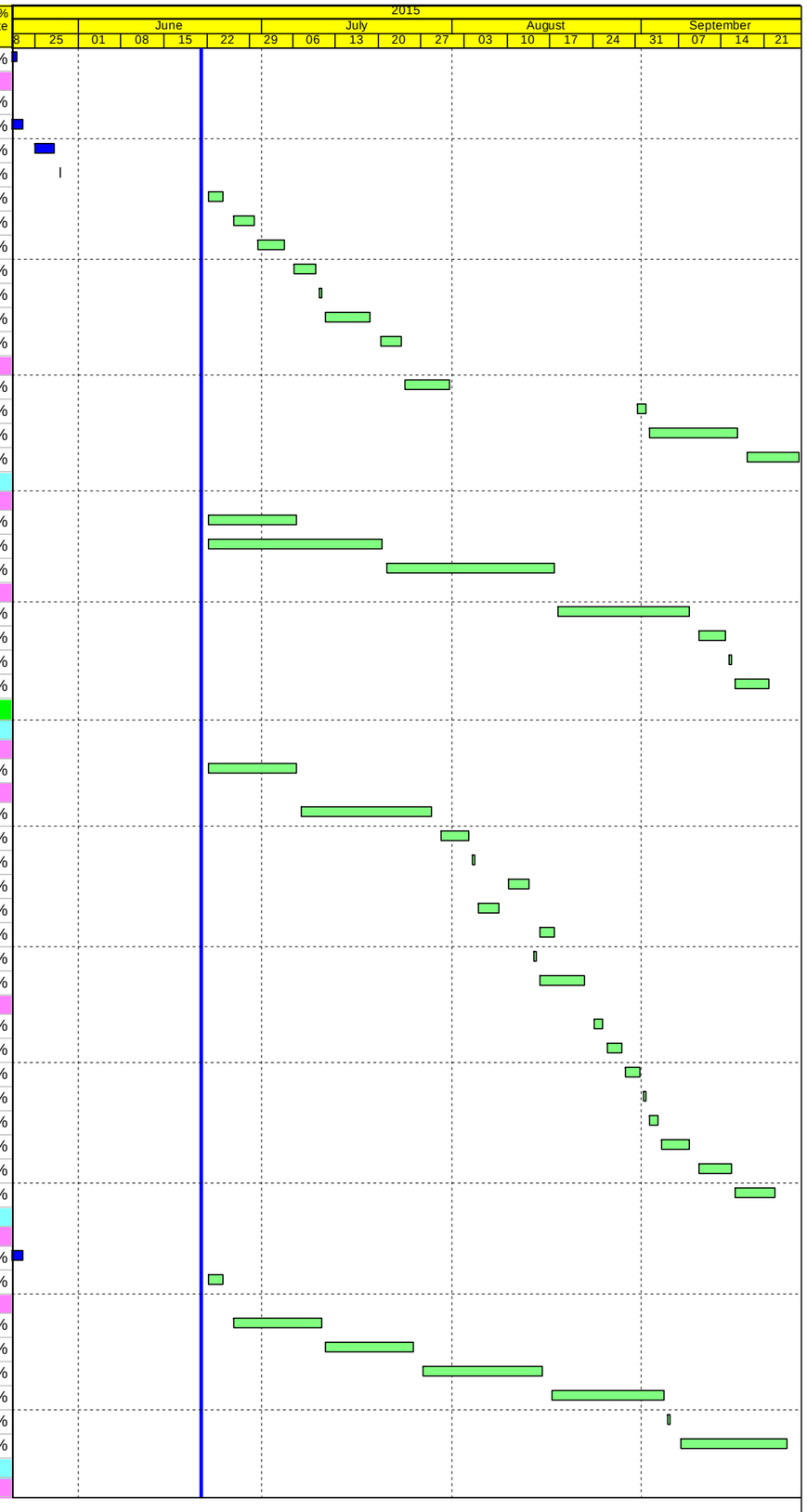
Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 14 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:

J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
SC2C014	C15 (C2c) - Pile cap Curing & Striking of Forms incl. CJ prep	6	20-May-15 A	100%	0	22-May-15 A					100%
Pier Works											
SC2C015	C15 (C2c) - Type 5B Pier Scaffolding (1st Lift)	2	18-May-15 A	100%	0	21-May-15 A					100%
SC2C016	C15 (C2c) - Type 5B Pier Rebarwork (1st Lift)	3	21-May-15 A	100%	0	23-May-15 A					100%
SC2C017	C15 (C2c) - Type 5B Pier Formwork & Prep for Concreting (1st Lift)	2	25-May-15 A	100%	0	28-May-15 A					100%
SC2C018	C15 (C2c) - Type 5B Pier Concreting (1st Lift)	1	29-May-15 A	100%	0	29-May-15 A					100%
SC2C018	C15 (C2c) - Type 5B Pier Curing & Striking of Forms incl. CJ prep (1st Lift)	2	22-Jun-15	0%	2	24-Jun-15	04-Mar-16	05-Mar-16	200	0	0%
SC2C019	C15 (C2c) - Type 5B Pier Head Scaffolding	3	26-Jun-15	0%	3	29-Jun-15	07-Mar-16	09-Mar-16	200	0	0%
SC2C020	C15 (C2c) - Type 5B Pier Head Rebarwork	4	30-Jun-15	0%	4	04-Jul-15	10-Mar-16	14-Mar-16	200	0	0%
SC2C021	C15 (C2c) - Type 5B Pier Head Formwork & Prep for Concreting	4	06-Jul-15	0%	4	09-Jul-15	15-Mar-16	18-Mar-16	200	0	0%
SC2C022	C15 (C2c) - Type 5B Pier Head Concreting	1	10-Jul-15	0%	1	10-Jul-15	19-Mar-16	19-Mar-16	200	0	0%
SC2C027	C15 (C2c) - Type 5B Pier Head Curing & Striking of Forms & Remove Scaffo	6	11-Jul-15	0%	6	18-Jul-15	21-Mar-16	30-Mar-16	200	0	0%
SC2C028	C15 (C2c) - Type 5B Pier Backfilling Works	4	20-Jul-15	0%	4	23-Jul-15	31-Mar-16	05-Apr-16	200	0	0%
Pier Head Segments											
SC2C037	C15 (C2c) - Pier Head Segment - Temporary Platform	6	24-Jul-15	0%	6	31-Jul-15	06-Apr-16	12-Apr-16	200	23	0%
SC2C037	C15 (C2c) - Pier Head Segment Lift & Fix (1 seg)	2	31-Aug-15	0%	2	01-Sep-15	13-Apr-16	15-Apr-16	177	0	0%
SC2C037	C15 (C2c) - Pier Head Segment Diaphragm - Rebar	12	02-Sep-15	0%	12	16-Sep-15	16-Apr-16	30-Apr-16	177	0	0%
SC2C037	C15 (C2c) - Pier Head Segment Diaphragm - Formwork & Prep for Concreting	8	18-Sep-15	0%	8	26-Sep-15	03-May-16	11-May-16	177	0	0%
Pier C16 (C2b)											
Foundation Works											
GFXX405	C16 (C2b) - Sonic & Interface Coring Tests	12	22-Jun-15	0%	12	06-Jul-15	22-Dec-15	07-Jan-16	153	12	0%
GFXX422	C16 (C2b) - Selection of bored pile for Full Depth Coring	24	22-Jun-15	0%	24	20-Jul-15	08-Dec-15	07-Jan-16	141	0	0%
GFXX423	C16 (C2b) - Bored Pile Full Depth Coring & Testing	24	21-Jul-15	0%	24	17-Aug-15	08-Jan-16	04-Feb-16	141	0	0%
Pile Cap Works											
SC2B009	C16 (C2b) - Pile cap Excavation / ELS (incl. sheet piling)	18	18-Aug-15	0%	18	08-Sep-15	05-Feb-16	29-Feb-16	136	0	0%
SC2B009	C16 (C2b) - Pile cap Pile breakdown to cut-off etc.	4	10-Sep-15	0%	4	14-Sep-15	01-Mar-16	04-Mar-16	136	0	0%
SC2B010	C16 (C2b) - Pile cap Blinding	1	15-Sep-15	0%	1	15-Sep-15	05-Mar-16	05-Mar-16	136	0	0%
SC2B012	C16 (C2b) - Pile cap Rebarwork	4	16-Sep-15	0%	4	21-Sep-15	07-Mar-16	10-Mar-16	136	0	0%
Bridge C1											
Pier C17 (C2a)											
Foundation Works											
GFXX405	C17 (C2a) - Sonic & Interface Coring Tests	12	22-Jun-15	0%	12	06-Jul-15	01-Dec-15	15-Dec-15	135	0	0%
Pile Cap Works											
SC2A009	C17 (C2a) - Pile cap Excavation / ELS	18	07-Jul-15	0%	18	28-Jul-15	15-Dec-15	08-Jan-16	127	0	0%
SC2A009	C17 (C2a) - Pile cap Pile breakdown to cut-off etc.	4	30-Jul-15	0%	4	03-Aug-15	08-Jan-16	13-Jan-16	127	0	0%
SC2A010	C17 (C2a) - Pile cap Blinding	1	04-Aug-15	0%	1	04-Aug-15	13-Jan-16	14-Jan-16	127	0	0%
SC2A011	C17 (C2a) - Pile cap Formwork	3	10-Aug-15	0%	3	13-Aug-15	19-Jan-16	22-Jan-16	127	0	0%
SC2A012	C17 (C2a) - Pile cap Rebarwork	4	05-Aug-15	0%	4	08-Aug-15	14-Jan-16	19-Jan-16	127	0	0%
SC2A012	C17 (C2a) - Pile cap Kicker Formwork	2	15-Aug-15	0%	2	17-Aug-15	29-Jan-16	30-Jan-16	132	4	0%
SC2A013	C17 (C2a) - Pile cap Concreting	1	14-Aug-15	0%	1	14-Aug-15	22-Jan-16	23-Jan-16	127	0	0%
SC2A014	C17 (C2a) - Pile cap Curing & Striking of Forms incl. CJ prep	6	15-Aug-15	0%	6	22-Aug-15	23-Jan-16	30-Jan-16	128	0	0%
Pier Works											
SC2A015	C17 (C2a) - Type 5B Pier Scaffolding (1st Lift)	2	24-Aug-15	0%	2	25-Aug-15	01-Feb-16	02-Feb-16	128	0	0%
SC2A016	C17 (C2a) - Type 5B Pier Rebarwork (1st Lift)	3	26-Aug-15	0%	3	28-Aug-15	03-Feb-16	05-Feb-16	128	0	0%
SC2A017	C17 (C2a) - Type 5B Pier Formwork & Prep for Concreting (1st Lift)	2	29-Aug-15	0%	2	31-Aug-15	06-Feb-16	11-Feb-16	128	0	0%
SC2A018	C17 (C2a) - Type 5B Pier Concreting (1st Lift)	1	01-Sep-15	0%	1	01-Sep-15	12-Feb-16	12-Feb-16	128	0	0%
SC2A018	C17 (C2a) - Type 5B Pier Curing & Striking of Forms incl. CJ prep (1st Lift)	2	02-Sep-15	0%	2	03-Sep-15	13-Feb-16	15-Feb-16	128	0	0%
SC2A023	C17 (C2a) - Type 5B Pier Head Scaffolding	4	04-Sep-15	0%	4	08-Sep-15	16-Feb-16	19-Feb-16	128	0	0%
SC2A024	C17 (C2a) - Type 5B Pier Head Rebarwork	5	10-Sep-15	0%	5	15-Sep-15	20-Feb-16	25-Feb-16	128	0	0%
SC2A025	C17 (C2a) - Type 5B Pier Head Formwork & Prep for Concreting	5	16-Sep-15	0%	5	22-Sep-15	26-Feb-16	02-Mar-16	128	0	0%
Pier C18 (C3d) Portal											
Pier Works											
SC1EL18	C18A (C1e-L) - Pier Curing & Striking of Forms incl. CJ prep (1st Lift)	2	20-May-15 A	100%	0	23-May-15 A					100%
SC1ER11	C18B (C1e-R) - Pier Curing & Striking of Forms incl. CJ prep (1st Lift)	2	22-Jun-15	0%	2	24-Jun-15	31-Dec-15	02-Jan-16	149	0	0%
Portal											
SC1ER28	C18 (C1e) - Portal Beam Scaffolding	12	26-Jun-15	0%	12	10-Jul-15	04-Jan-16	16-Jan-16	149	0	0%
SC1ER29	C18 (C1e) - Portal Beam Soffit Formwork	12	11-Jul-15	0%	12	25-Jul-15	18-Jan-16	30-Jan-16	149	0	0%
SC1ER30	C18 (C1e) - Portal Beam Rebarwork & Inserts	16	27-Jul-15	0%	16	15-Aug-15	01-Feb-16	22-Feb-16	149	0	0%
SC1ER30	C18 (C1e) - Portal Beam Side Formwork & Prep for Concreting	16	17-Aug-15	0%	16	04-Sep-15	23-Feb-16	12-Mar-16	150	0	0%
SC1ER31	C18 (C1e) - Portal Beam Concreting	1	05-Sep-15	0%	1	05-Sep-15	14-Mar-16	14-Mar-16	150	0	0%
SC1ER32	C18 (C1e) - Pier Head Curing/Striking of Forms/Remove Scaffolding	14	07-Sep-15	0%	14	24-Sep-15	15-Mar-16	02-Apr-16	150	0	0%
Pier C19 (C1d)											
Pier Works											



Actual Work
Planned Bar
Critical Bar
Milestone

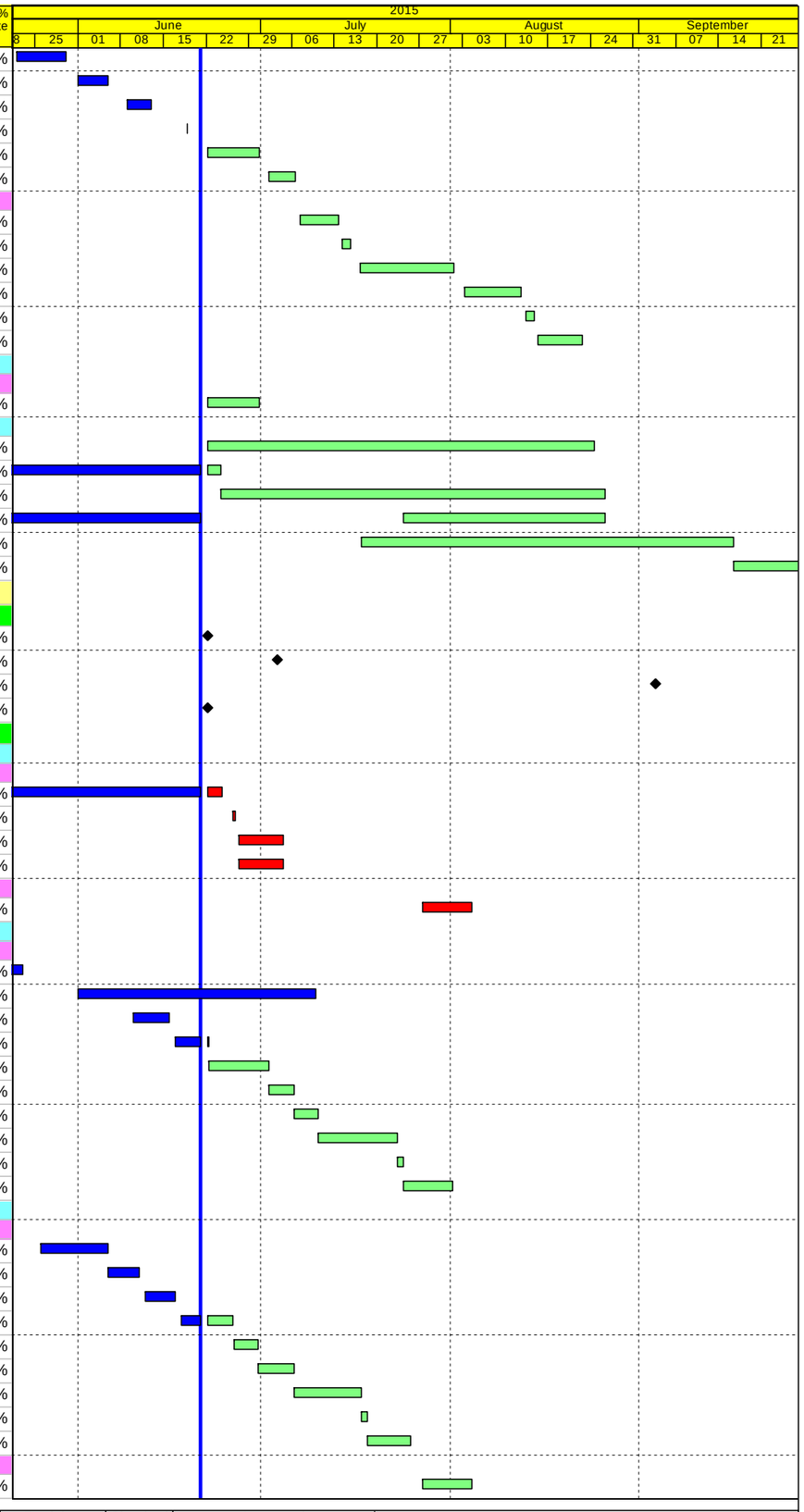
Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 15 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
SC1D015	C19 (C1d) - Type 5B-B Pier/Pier Head Scaffolding	4	22-May-15 A	100%	0	30-May-15 A					100%
SC1D016	C19 (C1d) - Type 5B-B Pier/Pier Head Head Rebarwork	4	01-Jun-15 A	100%	0	06-Jun-15 A					100%
SC1D017	C19 (C1d) - Type 5B-B Pier/Pier Head Formwork & Prep for Concreting	4	09-Jun-15 A	100%	0	13-Jun-15 A					100%
SC1D018	C19 (C1d) - Type 5B-B Pier/Pier Head Concreting	1	19-Jun-15 A	100%	0	19-Jun-15 A					100%
SC1D019	C19 (C1d) - Type 5B-B Pier/Pier Head Curing/Striking of Forms/Remove Sca	6	22-Jun-15	0%	6	30-Jun-15	22-Dec-15	30-Dec-15	143	0	0%
SC1D019	C19 (C1d) - Type 5B-B Pier/Pier Head Backfilling Works	4	02-Jul-15	0%	4	06-Jul-15	31-Dec-15	05-Jan-16	143	0	0%
Pier Head Segments											
SC1D037	C19 (C1d) - Pier Head Segment - Temporary Platform	6	07-Jul-15	0%	6	13-Jul-15	06-Jan-16	12-Jan-16	143	0	0%
SC1D037	C19 (C1d) - Pier Head Segment Lift & Fix (1 seg)	2	14-Jul-15	0%	2	15-Jul-15	13-Jan-16	15-Jan-16	144	0	0%
SC1D037	C19 (C1d) - Pier Head Segment Diaphragm - Rebar	13	17-Jul-15	0%	13	01-Aug-15	16-Jan-16	30-Jan-16	144	0	0%
SC1D037	C19 (C1d) - Pier Head Segment Diaphragm - Formwork	8	03-Aug-15	0%	8	12-Aug-15	01-Feb-16	13-Feb-16	145	0	0%
SC1D037	C19 (C1d) - Pier Head Segment Diaphragm - Concreting	2	13-Aug-15	0%	2	14-Aug-15	15-Feb-16	16-Feb-16	145	0	0%
SC1D038	C19 (C1d) - Pier Head Segment Diaphragm - Curing & Striking of Forms	6	15-Aug-15	0%	6	22-Aug-15	17-Feb-16	23-Feb-16	145	72	0%
Pier C20 (C1c) & Abutment C											
Pier Head Segments											
SC1C037	C20 (C1c) - Pier Head Segment - Temporary Platform	6	22-Jun-15	0%	6	30-Jun-15	07-Mar-16	12-Mar-16	202	158	0%
Abutment & Approach Ramp C											
SC1C0200	Abutment C - Walls & Staircase	48	22-Jun-15	0%	48	24-Aug-15	20-Jan-16	18-Mar-16	165	18	0%
SC1C0250	AR-C - RE Walls - Erect fencing, Excavation/formation/ drainage filter & bott	12	22-Apr-15 A	90%	1	24-Jun-15	18-Dec-15	19-Dec-15	140	0	90%
SC1C0251	AR-C - RE Walls - Upper layers with backfill in stages	48	24-Jun-15	0%	48	26-Aug-15	19-Dec-15	20-Feb-16	140	0	0%
SC1C0252	AR-C - RC Walls - Base Slabs	50	08-Apr-15 A	50%	25	26-Aug-15	19-Jan-16	20-Feb-16	140	0	50%
SC1C0253	AR-C - RC Walls - Side Walls	48	17-Jul-15	0%	48	16-Sep-15	19-Jan-16	18-Mar-16	147	0	0%
SC1C0254	AR-C - RC Walls - Backfill	12	16-Sep-15	0%	12	03-Oct-15	19-Mar-16	06-Apr-16	147	0	0%
Viaduct D											
Milestones - Land Foundation											
GFXX454A	D13 (D2d) - Completion of piling works	0		0%	0	22-Jun-15		15-Dec-18	1038	1038	0%
GFXX461A	D10 (D3b) - Completion of piling works	0		0%	0	03-Jul-15		21-Mar-15	-81	0	0%
GFXX461E	D11 (D3a) - Completion of piling works	0		0%	0	03-Sep-15		11-Apr-15	-121	0	0%
GFXX461C	D12 (D2e) - Completion of piling works	0		0%	0	22-Jun-15		15-Dec-18	1038	1038	0%
Bridge D3											
Pier D1 (D4f)											
Pier Works											
SD4F0310	D1 (D4f) - Type 4B-MJ Pier Head Rebarwork, Formwork & Prep	10	04-May-15 A	80%	2	24-Jun-15	11-Apr-15	13-Apr-15	-50	0	80%
SD4F0330	D1 (D4f) - Type 4B-MJ Pier Head Concreting	1	26-Jun-15	0%	1	26-Jun-15	14-Apr-15	14-Apr-15	-50	0	0%
SD4F0340	D1 (D4f) - Type 4B-MJ Pier Head Curing/Striking of Forms/Remove Scaffold	6	27-Jun-15	0%	6	04-Jul-15	16-Apr-15	22-Apr-15	-50	0	0%
SD4F372	D1 (D4f) - Type 4B-Bearing Plinth	6	27-Jun-15	0%	6	04-Jul-15	16-Apr-15	22-Apr-15	-50	0	0%
Pier Head Segments											
SD4F0370	D1 (D4f) - Pier Head Segment - Temporary Platform	6	27-Jul-15	0%	6	04-Aug-15	24-Apr-15	30-Apr-15	-68	103	0%
Pier D2 (D4e)											
Pier Works											
SD4E017	D2 (D4e) - Type 4B Pier Temp. Support Platform & Scaffold (1st Lift)	6	19-May-15 A	100%	0	23-May-15 A					100%
SD4E018	D2 (D4e) - Type 4B Pier Rebarwork, Formwork & Prep (1st Lift)	5	01-Jun-15 A	100%	0	10-Jul-15 A					100%
SD4E020	D2 (D4e) - Type 4B Pier Concreting, Curing & Striking, CJ prep (1st Lift)	3	10-Jun-15 A	100%	0	16-Jun-15 A					100%
SD4E021	D2 (D4e) - Type 4B Pier Scaffolding (2nd Lift)	2	17-Jun-15 A	90%	0	22-Jun-15	22-Oct-15	22-Oct-15	93	0	90%
SD4E022	D2 (D4e) - Type 4B Pier Rebarwork, Formwork & Prep (2nd Lift)	6	22-Jun-15	0%	6	02-Jul-15	23-Oct-15	30-Oct-15	93	0	0%
SD4E024	D2 (D4e) - Type 4B Pier Concreting, Curing & Striking, CJ prep (2nd Lift)	3	02-Jul-15	0%	3	06-Jul-15	31-Oct-15	03-Nov-15	93	0	0%
SD4E030	D2 (D4e) - Type 4B Pier Head Scaffolding	4	06-Jul-15	0%	4	10-Jul-15	04-Nov-15	07-Nov-15	93	0	0%
SD4E031	D2 (D4e) - Type 4B Pier Head Rebarwork, Formwork & Prep	10	10-Jul-15	0%	10	23-Jul-15	09-Nov-15	19-Nov-15	93	0	0%
SD4E033	D2 (D4e) - Type 4B Pier Head Concreting	1	23-Jul-15	0%	1	24-Jul-15	20-Nov-15	20-Nov-15	93	0	0%
SD4E034	D2 (D4e) - Type 4B Pier Head Curing/Striking of Forms/Remove Scaffolding	6	24-Jul-15	0%	6	01-Aug-15	21-Nov-15	27-Nov-15	93	0	0%
Pier D3 (D4d)											
Pier Works											
SD4D022	D3 (D4d) - Type 4B Pier Rebarwork, Formwork & Prep (2nd Lift)	5	26-May-15 A	100%	0	06-Jun-15 A					100%
SD4D024	D3 (D4d) - Type 4B Pier Concreting, Curing & Striking, CJ prep (2nd Lift)	3	06-Jun-15 A	100%	0	11-Jun-15 A					100%
SD4D025	D3 (D4d) - Type 4B Pier Scaffolding (3rd Lift)	2	12-Jun-15 A	100%	0	17-Jun-15 A					100%
SD4D026	D3 (D4d) - Type 4B Pier Rebarwork, Formwork & Prep (3rd Lift)	5	18-Jun-15 A	50%	3	26-Jun-15	09-Oct-15	13-Oct-15	84	0	50%
SD4D028	D3 (D4d) - Type 4B Pier Concreting, Curing & Striking, CJ prep (3rd Lift)	3	26-Jun-15	0%	3	30-Jun-15	13-Oct-15	17-Oct-15	84	0	0%
SD4D030	D3 (D4d) - Type 4B Pier Head Scaffolding	4	30-Jun-15	0%	4	06-Jul-15	17-Oct-15	23-Oct-15	84	0	0%
SD4D031	D3 (D4d) - Type 4B Pier Head Rebarwork, Formwork & Prep	9	06-Jul-15	0%	9	17-Jul-15	23-Oct-15	04-Nov-15	84	0	0%
SD4D033	D3 (D4d) - Type 4B Pier Head Concreting	1	17-Jul-15	0%	1	18-Jul-15	04-Nov-15	05-Nov-15	84	0	0%
SD4D034	D3 (D4d) - Type 4B Pier Head Curing/Striking of Forms/Remove Scaffolding	6	18-Jul-15	0%	6	25-Jul-15	05-Nov-15	12-Nov-15	84	0	0%
Pier Head Segments											
SD4D037	D3 (D4d) - Pier Head Segment - Temporary Platform	6	27-Jul-15	0%	6	04-Aug-15	12-Nov-15	19-Nov-15	83	13	0%



Actual Work
Planned Bar
Critical Bar
Milestone

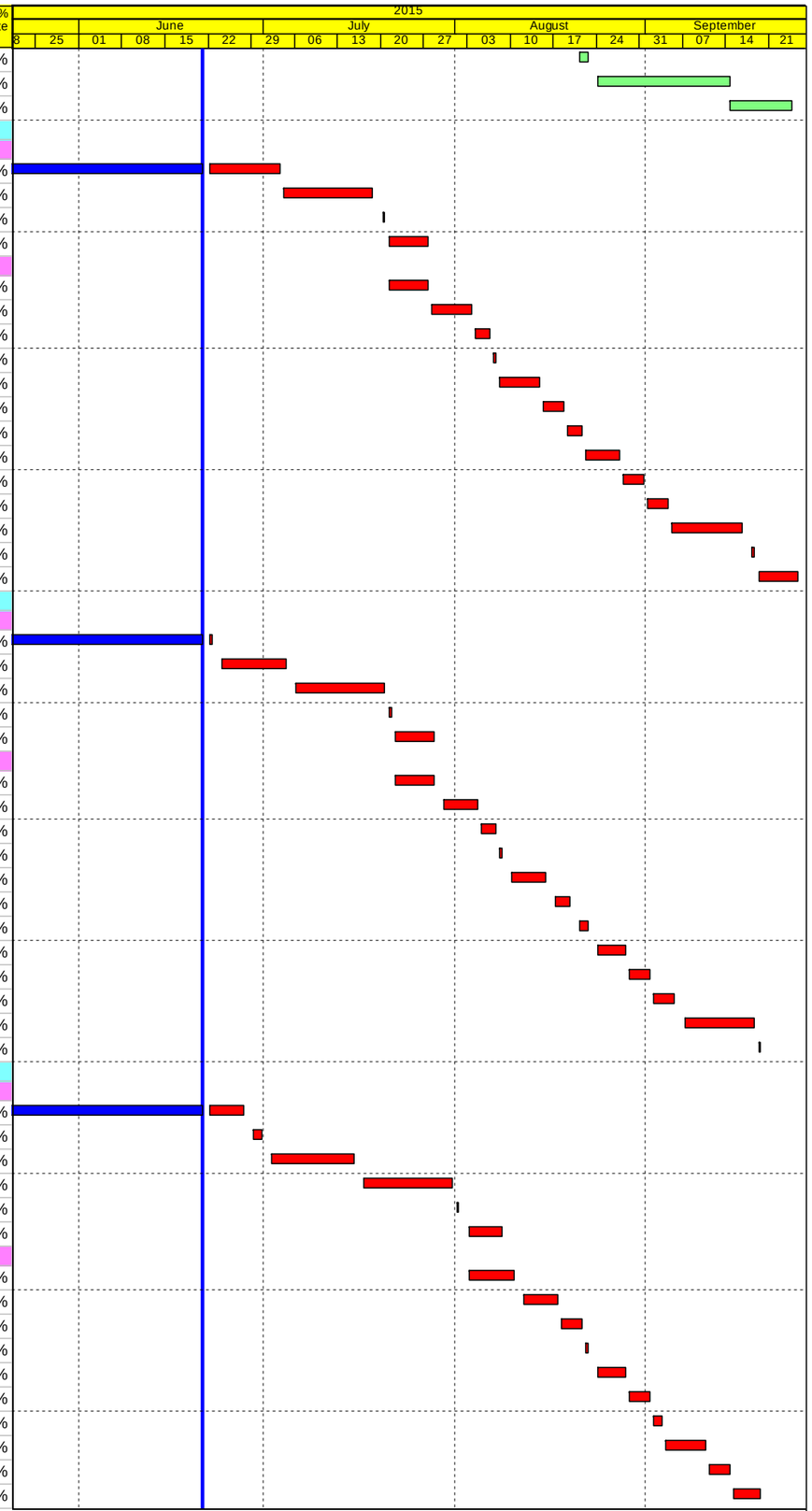
Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 16 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
SD4D037	D3 (D4d) - Pier Head Segment Lift & Fix (1 seg)	2	21-Aug-15	0%	2	22-Aug-15	19-Nov-15	21-Nov-15	70	0	0%
SD4D037	D3 (D4d) - Pier Head Segment Diaphragm - Rebar	18	24-Aug-15	0%	18	14-Sep-15	21-Nov-15	11-Dec-15	70	0	0%
SD4D037	D3 (D4d) - Pier Head Segment Diaphragm - Formwork & Prep for Concreting	8	14-Sep-15	0%	8	24-Sep-15	12-Dec-15	21-Dec-15	70	0	0%
Pier D4 (D4c)											
Pile Cap Works											
SD4C013	D4 (D4c) - Marine Pile Cap M2b - Pile cut down	12	16-May-15 A	33.33%	8	03-Jul-15	22-Dec-14	02-Jan-15	-135	0	40%
SD4C014	D4 (D4c) - Marine Pile Cap M2b - Rebar fixing, inst.inserts etc	12	04-Jul-15	0%	12	18-Jul-15	03-Jan-15	16-Jan-15	-135	0	0%
SD4C015	D4 (D4c) - Marine Pile Cap M2b - Concreting	1	20-Jul-15	0%	1	20-Jul-15	17-Jan-15	17-Jan-15	-135	0	0%
SD4C016	D4 (D4c) - Marine Pile Cap M2b - Curing incl. CJ Preparation	6	21-Jul-15	0%	6	27-Jul-15	19-Jan-15	24-Jan-15	-135	0	0%
Pier Works											
SD4C017	D4 (D4c) - Type 4B Pier Temp. Support Platform & Scaffold (1st Lift)	6	21-Jul-15	0%	6	27-Jul-15	19-Jan-15	24-Jan-15	-135	0	0%
SD4C018	D4 (D4c) - Type 4B Pier Rebarwork, Formwork & Prep (1st Lift)	5	28-Jul-15	0%	5	03-Aug-15	26-Jan-15	30-Jan-15	-135	0	0%
SD4C020	D4 (D4c) - Type 4B Pier Concreting, Curing & Striking, CJ prep (1st Lift)	3	04-Aug-15	0%	3	06-Aug-15	31-Jan-15	03-Feb-15	-135	0	0%
SD4C021	D4 (D4c) - Type 4B Pier Scaffolding (2nd Lift)	1	07-Aug-15	0%	1	07-Aug-15	04-Feb-15	04-Feb-15	-135	0	0%
SD4C022	D4 (D4c) - Type 4B Pier Rebarwork, Formwork & Prep (2nd Lift)	5	08-Aug-15	0%	5	14-Aug-15	05-Feb-15	10-Feb-15	-135	0	0%
SD4C024	D4 (D4c) - Type 4B Pier Concreting, Curing & Striking, CJ prep (2nd Lift)	3	15-Aug-15	0%	3	18-Aug-15	11-Feb-15	13-Feb-15	-135	0	0%
SD4C025	D4 (D4c) - Type 4B Pier Scaffolding (3rd Lift)	2	19-Aug-15	0%	2	21-Aug-15	14-Feb-15	16-Feb-15	-135	0	0%
SD4C026	D4 (D4c) - Type 4B Pier Rebarwork, Formwork & Prep (3rd Lift)	5	22-Aug-15	0%	5	27-Aug-15	17-Feb-15	25-Feb-15	-135	0	0%
SD4C028	D4 (D4c) - Type 4B Pier Concreting, Curing & Striking, CJ prep (3rd Lift)	3	28-Aug-15	0%	3	31-Aug-15	26-Feb-15	28-Feb-15	-135	0	0%
SD4C030	D4 (D4c) - Type 4B Pier Head Scaffolding	4	01-Sep-15	0%	4	04-Sep-15	02-Mar-15	05-Mar-15	-135	0	0%
SD4C031	D4 (D4c) - Type 4B Pier Head Rebarwork, Formwork & Prep	9	05-Sep-15	0%	9	16-Sep-15	06-Mar-15	16-Mar-15	-135	0	0%
SD4C033	D4 (D4c) - Type 4B Pier Head Concreting	1	18-Sep-15	0%	1	18-Sep-15	17-Mar-15	17-Mar-15	-135	0	0%
SD4C034	D4 (D4c) - Type 4B Pier Head Curing/Striking of Forms/Remove Scaffolding	6	19-Sep-15	0%	6	25-Sep-15	18-Mar-15	24-Mar-15	-135	0	0%
Pier D5 (D4b)											
Pile Cap Works											
SD4B012	D5 (D4b) - Marine Pile Cap M2b - Dewater precast shell / Remove Lifting Fra	2	18-May-15 A	50%	1	22-Jun-15	02-Jan-15	02-Jan-15	-128	0	50%
SD4B013	D5 (D4b) - Marine Pile Cap M2b - Pile cut down	8	24-Jun-15	0%	8	04-Jul-15	03-Jan-15	12-Jan-15	-128	0	0%
SD4B014	D5 (D4b) - Marine Pile Cap M2b - Rebar fixing, inst.inserts etc	12	06-Jul-15	0%	12	20-Jul-15	13-Jan-15	26-Jan-15	-128	0	0%
SD4B015	D5 (D4b) - Marine Pile Cap M2b - Concreting	1	21-Jul-15	0%	1	21-Jul-15	27-Jan-15	27-Jan-15	-128	0	0%
SD4B016	D5 (D4b) - Marine Pile Cap M2b - Curing incl. CJ Preparation	6	22-Jul-15	0%	6	28-Jul-15	28-Jan-15	03-Feb-15	-128	0	0%
Pier Works											
SD4B017	D5 (D4b) - Type 4B Pier Temp. Support Platform & Scaffold (1st Lift)	6	22-Jul-15	0%	6	28-Jul-15	28-Jan-15	03-Feb-15	-128	0	0%
SD4B018	D5 (D4b) - Type 4B Pier Rebarwork, Formwork & Prep (1st Lift)	5	30-Jul-15	0%	5	04-Aug-15	04-Feb-15	09-Feb-15	-128	0	0%
SD4B020	D5 (D4b) - Type 4B Pier Concreting, Curing & Striking, CJ prep (1st Lift)	3	05-Aug-15	0%	3	07-Aug-15	10-Feb-15	12-Feb-15	-128	0	0%
SD4B021	D5 (D4b) - Type 4B Pier Scaffolding (2nd Lift)	1	08-Aug-15	0%	1	08-Aug-15	13-Feb-15	13-Feb-15	-128	0	0%
SD4B022	D5 (D4b) - Type 4B Pier Rebarwork, Formwork & Prep (2nd Lift)	5	10-Aug-15	0%	5	15-Aug-15	14-Feb-15	23-Feb-15	-128	0	0%
SD4B024	D5 (D4b) - Type 4B Pier Concreting, Curing & Striking, CJ prep (2nd Lift)	3	17-Aug-15	0%	3	19-Aug-15	24-Feb-15	26-Feb-15	-128	0	0%
SD4B025	D5 (D4b) - Type 4B Pier Scaffolding (3rd Lift)	2	21-Aug-15	0%	2	22-Aug-15	27-Feb-15	28-Feb-15	-128	0	0%
SD4B026	D5 (D4b) - Type 4B Pier Rebarwork, Formwork & Prep (3rd Lift)	5	24-Aug-15	0%	5	28-Aug-15	02-Mar-15	06-Mar-15	-128	0	0%
SD4B028	D5 (D4b) - Type 4B Pier Concreting, Curing & Striking, CJ prep (3rd Lift)	3	29-Aug-15	0%	3	01-Sep-15	07-Mar-15	10-Mar-15	-128	0	0%
SD4B030	D5 (D4b) - Type 4B Pier Head Scaffolding	4	02-Sep-15	0%	4	05-Sep-15	11-Mar-15	14-Mar-15	-128	0	0%
SD4B031	D5 (D4b) - Type 4B Pier Head Rebarwork, Formwork & Prep	9	07-Sep-15	0%	9	18-Sep-15	16-Mar-15	25-Mar-15	-128	0	0%
SD4B033	D5 (D4b) - Type 4B Pier Head Concreting	1	19-Sep-15	0%	1	19-Sep-15	26-Mar-15	26-Mar-15	-128	0	0%
Pier D6 (D4a)											
Pile Cap Works											
SD4A010	D6 (D4a) - Marine Pile Cap M2 - Weld Fin plates/Plug Rebar & Concrete	9	11-May-15 A	55.56%	4	27-Jun-15	13-Feb-15	17-Feb-15	-92	0	55%
SD4A011	D6 (D4a) - Marine Pile Cap M2 - Dewater precast shell / Remove Lifting Fran	2	29-Jun-15	0%	2	30-Jun-15	18-Feb-15	23-Feb-15	-92	0	0%
SD4A012	D6 (D4a) - Marine Pile Cap M2 - Pile cut down	12	02-Jul-15	0%	12	15-Jul-15	24-Feb-15	09-Mar-15	-92	0	0%
SD4A013	D6 (D4a) - Marine Pile Cap M2 - Rebar fixing, inst.inserts etc	12	17-Jul-15	0%	12	31-Jul-15	10-Mar-15	23-Mar-15	-92	0	0%
SD4A014	D6 (D4a) - Marine Pile Cap M2 - Concreting	1	01-Aug-15	0%	1	01-Aug-15	24-Mar-15	24-Mar-15	-92	0	0%
SD4A016	D6 (D4a) - Marine Pile Cap M2 - Curing incl. CJ preparation	6	03-Aug-15	0%	6	08-Aug-15	25-Mar-15	31-Mar-15	-92	0	0%
Pier Works											
SD4A017	D6 (D4a) - Type 4B-MJ Pier Temp. Support Platform & Scaffold (1st Lift)	7	03-Aug-15	0%	7	10-Aug-15	25-Mar-15	01-Apr-15	-92	0	0%
SD4A018	D6 (D4a) - Type 4B-MJ Pier Rebarwork, Formwork & Prep (1st Lift)	5	12-Aug-15	0%	5	17-Aug-15	02-Apr-15	11-Apr-15	-92	0	0%
SD4A020	D6 (D4a) - Type 4B MJ Pier Concreting, Curing & Striking, CJ prep (1st Lift)	3	18-Aug-15	0%	3	21-Aug-15	13-Apr-15	16-Apr-15	-92	0	0%
SD4A021	D6 (D4a) - Type 4B-MJ Pier Scaffolding (2nd Lift)	1	22-Aug-15	0%	1	22-Aug-15	17-Apr-15	17-Apr-15	-92	0	0%
SD4A022	D6 (D4a) - Type 4B-MJ Pier Rebarwork, Formwork & Prep (2nd Lift)	5	24-Aug-15	0%	5	28-Aug-15	18-Apr-15	24-Apr-15	-92	0	0%
SD4A024	D6 (D4a) - Type 4B MJ Pier Concreting, Curing & Striking, CJ prep (2nd Lift)	3	29-Aug-15	0%	3	01-Sep-15	25-Apr-15	28-Apr-15	-92	0	0%
SD4A025	D6 (D4a) - Type 4B-MJ Pier Scaffolding (3rd Lift)	2	02-Sep-15	0%	2	03-Sep-15	29-Apr-15	30-Apr-15	-92	0	0%
SD4A026	D6 (D4a) - Type 4B-MJ Pier Rebarwork, Formwork & Prep (3rd Lift)	5	04-Sep-15	0%	5	10-Sep-15	02-May-15	07-May-15	-92	0	0%
SD4A028	D6 (D4a) - Type 4B MJ Pier Concreting, Curing & Striking, CJ prep (3rd Lift)	3	11-Sep-15	0%	3	14-Sep-15	08-May-15	11-May-15	-92	0	0%
SD4A030	D6 (D4a) - Type 4B-MJ Pier Head Scaffolding	4	15-Sep-15	0%	4	19-Sep-15	13-May-15	16-May-15	-92	0	0%



Actual Work
Planned Bar
Critical Bar
Milestone

Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

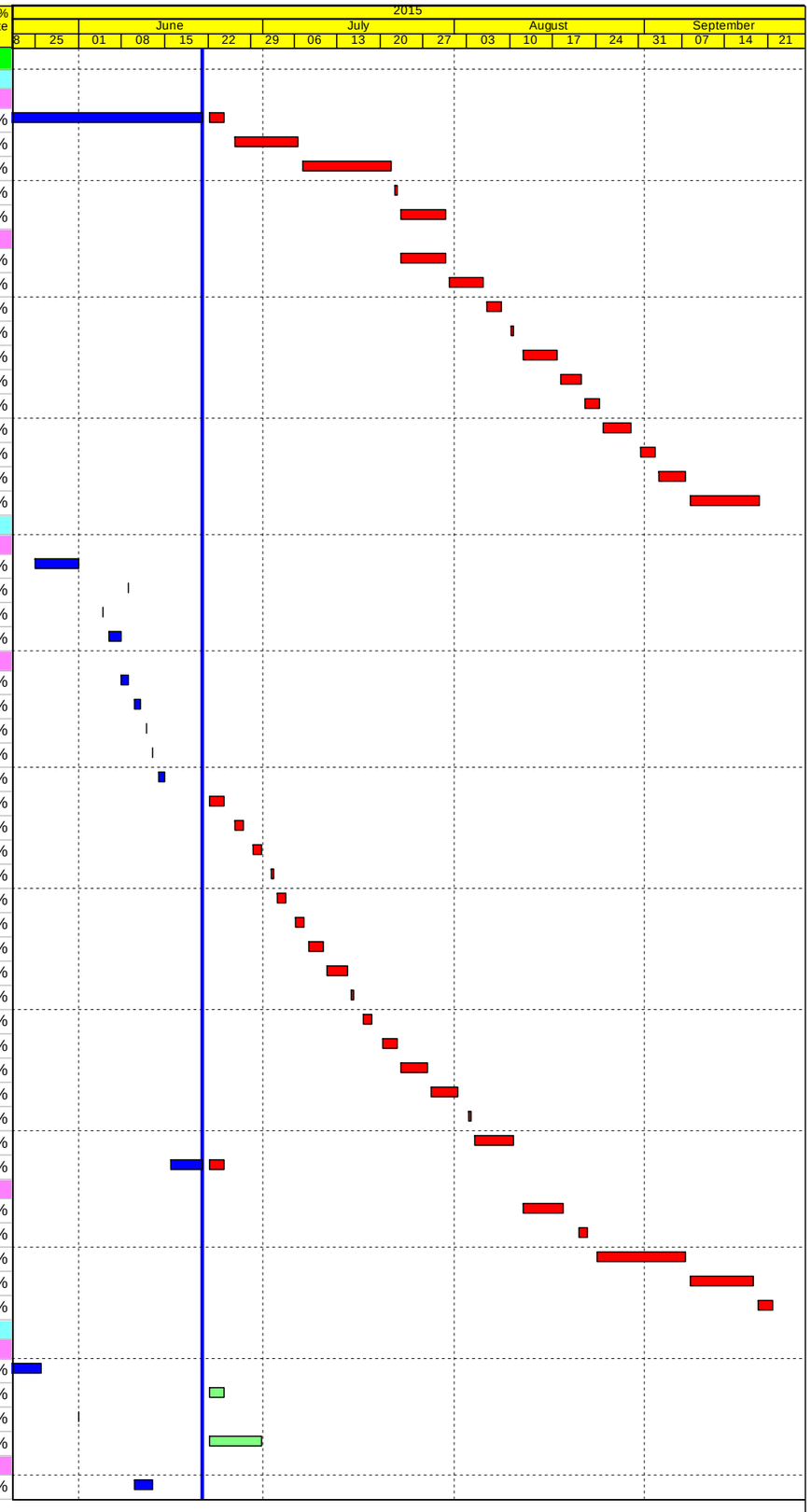
Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 17 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:

J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
Bridge D2											
Pier D7 (D3e)											
Pile Cap Works											
SD3E012	D7 (D3e) - Marine Pile Cap M2b - Dewater precast shell / Remove Lifting Fra	2	04-May-15 A	0%	2	24-Jun-15	22-Jan-15	23-Jan-15	-111	0	90%
SD3E013	D7 (D3e) - Marine Pile Cap M2b - Pile cut down	8	26-Jun-15	0%	8	06-Jul-15	24-Jan-15	02-Feb-15	-111	0	0%
SD3E014	D7 (D3e) - Marine Pile Cap M2b - Rebar fixing, inst.inserts etc	12	07-Jul-15	0%	12	21-Jul-15	03-Feb-15	16-Feb-15	-111	0	0%
SD3E015	D7 (D3e) - Marine Pile Cap M2b - Concreting	1	22-Jul-15	0%	1	22-Jul-15	17-Feb-15	17-Feb-15	-111	0	0%
SD3E016	D7 (D3e) - Marine Pile Cap M2b - Curing incl. CJ Preparation	6	23-Jul-15	0%	6	30-Jul-15	18-Feb-15	27-Feb-15	-111	0	0%
Pier Works											
SD3E017	D7 (D3e) - Type 4B Pier Temp. Support Platform & Scaffold (1st Lift)	6	23-Jul-15	0%	6	30-Jul-15	18-Feb-15	27-Feb-15	-111	0	0%
SD3E018	D7 (D3e) - Type 4B Pier Rebarwork, Formwork & Prep (1st Lift)	5	31-Jul-15	0%	5	05-Aug-15	28-Feb-15	05-Mar-15	-111	0	0%
SD3E020	D7 (D3e) - Type 4B Pier Concreting, Curing & Striking, CJ prep (1st Lift)	3	06-Aug-15	0%	3	08-Aug-15	06-Mar-15	09-Mar-15	-111	0	0%
SD3E021	D7 (D3e) - Type 4B Pier Scaffolding (2nd Lift)	1	10-Aug-15	0%	1	10-Aug-15	10-Mar-15	10-Mar-15	-111	0	0%
SD3E022	D7 (D3e) - Type 4B Pier Rebarwork, Formwork & Prep (2nd Lift)	5	12-Aug-15	0%	5	17-Aug-15	11-Mar-15	16-Mar-15	-111	0	0%
SD3E024	D7 (D3e) - Type 4B Pier Concreting, Curing & Striking, CJ prep (2nd Lift)	3	18-Aug-15	0%	3	21-Aug-15	17-Mar-15	19-Mar-15	-111	0	0%
SD3E025	D7 (D3e) - Type 4B Pier Scaffolding (3rd Lift)	2	22-Aug-15	0%	2	24-Aug-15	20-Mar-15	21-Mar-15	-111	0	0%
SD3E026	D7 (D3e) - Type 4B Pier Rebarwork, Formwork & Prep (3rd Lift)	5	25-Aug-15	0%	5	29-Aug-15	23-Mar-15	27-Mar-15	-111	0	0%
SD3E028	D7 (D3e) - Type 4B Pier Concreting, Curing & Striking, CJ prep (3rd Lift)	3	31-Aug-15	0%	3	02-Sep-15	28-Mar-15	31-Mar-15	-111	0	0%
SD3E030	D7 (D3e) - Type 4B Pier Head Scaffolding	4	03-Sep-15	0%	4	07-Sep-15	01-Apr-15	09-Apr-15	-111	0	0%
SD3E031	D7 (D3e) - Type 4B Pier Head Rebarwork, Formwork & Prep	9	08-Sep-15	0%	9	19-Sep-15	10-Apr-15	21-Apr-15	-111	0	0%
Pier D8 (D3d)											
Pile Cap Works											
SD3D012	D8 (D3d) - Pile cap Rebarwork	4	25-May-15 A	100%	0	01-Jun-15 A					100%
SD3D012	D8 (D3d) - Pile cap Kicker Formwork	2	09-Jun-15 A	100%	0	09-Jun-15 A					100%
SD3D013	D8 (D3d) - Pile cap Concreting	1	05-Jun-15 A	100%	0	05-Jun-15 A					100%
SD3D014	D8 (D3d) - Pile cap Curing & Striking of Forms incl. CJ prep	7	06-Jun-15 A	100%	0	08-Jun-15 A					100%
Pier Works											
SD3D015	D8 (D3d) - Type 5B Pier Scaffolding (1st Lift)	2	08-Jun-15 A	100%	0	09-Jun-15 A					100%
SD3D016	D8 (D3d) - Type 5B Pier Rebarwork (1st Lift)	2	10-Jun-15 A	100%	0	11-Jun-15 A					100%
SD3D017	D8 (D3d) - Type 5B Pier Formwork & Prep for Concreting (1st Lift)	2	12-Jun-15 A	100%	0	12-Jun-15 A					100%
SD3D018	D8 (D3d) - Type 5B Pier Concreting (1st Lift)	1	13-Jun-15 A	100%	0	13-Jun-15 A					100%
SD3D018	D8 (D3d) - Type 5B Pier Curing & Striking of Forms incl. CJ prep (1st Lift)	2	14-Jun-15 A	100%	0	15-Jun-15 A					100%
SD3D019	D8 (D3d) - Type 5B Pier Scaffolding (2nd Lift)	2	22-Jun-15	0%	2	24-Jun-15	25-Mar-15	26-Mar-15	-61	0	0%
SD3D020	D8 (D3d) - Type 5B Pier Rebarwork (2nd Lift)	2	26-Jun-15	0%	2	27-Jun-15	27-Mar-15	28-Mar-15	-61	0	0%
SD3D021	D8 (D3d) - Type 5B Pier Formwork & Prep for Concreting (2nd Lift)	2	29-Jun-15	0%	2	30-Jun-15	30-Mar-15	31-Mar-15	-61	0	0%
SD3D022	D8 (D3d) - Type 5B Pier Concreting (2nd Lift)	1	02-Jul-15	0%	1	02-Jul-15	01-Apr-15	01-Apr-15	-61	0	0%
SD3D022	D8 (D3d) - Type 5B Pier Curing & Striking of Forms incl. CJ prep (2nd Lift)	2	03-Jul-15	0%	2	04-Jul-15	02-Apr-15	08-Apr-15	-61	0	0%
SD3D023	D8 (D3d) - Type 5B Pier Scaffolding (3rd Lift)	2	06-Jul-15	0%	2	07-Jul-15	09-Apr-15	10-Apr-15	-61	0	0%
SD3D024	D8 (D3d) - Type 5B Pier Rebarwork (3rd Lift)	3	08-Jul-15	0%	3	10-Jul-15	11-Apr-15	14-Apr-15	-61	0	0%
SD3D025	D8 (D3d) - Type 5B Pier Formwork & Prep for Concreting (3rd Lift)	3	11-Jul-15	0%	3	14-Jul-15	16-Apr-15	18-Apr-15	-61	0	0%
SD3D026	D8 (D3d) - Type 5B Pier Concreting (3rd Lift)	1	15-Jul-15	0%	1	15-Jul-15	20-Apr-15	20-Apr-15	-61	0	0%
SD3D026	D8 (D3d) - Type 5B Pier Curing & Striking of Forms incl. CJ prep (3rd Lift)	2	17-Jul-15	0%	2	18-Jul-15	21-Apr-15	22-Apr-15	-61	0	0%
SD3D027	D8 (D3d) - Type 5B Pier Head Scaffolding	3	20-Jul-15	0%	3	22-Jul-15	24-Apr-15	27-Apr-15	-61	0	0%
SD3D028	D8 (D3d) - Type 5B Pier Head Rebarwork	4	23-Jul-15	0%	4	27-Jul-15	28-Apr-15	02-May-15	-61	0	0%
SD3D029	D8 (D3d) - Type 5B Pier Head Formwork & Prep for Concreting	4	28-Jul-15	0%	4	01-Aug-15	04-May-15	07-May-15	-61	0	0%
SD3D030	D8 (D3d) - Type 5B Pier Head Concreting	1	03-Aug-15	0%	1	03-Aug-15	08-May-15	08-May-15	-61	0	0%
SD3D031	D8 (D3d) - Type 5B Pier Head Curing/Striking of Forms/Remove Scaffolding	6	04-Aug-15	0%	6	10-Aug-15	09-May-15	16-May-15	-61	0	0%
SD3D032	D8 (D3d) - Type 5B Pier Backfilling Works	4	16-Jun-15 A	60%	2	24-Jun-15	15-May-15	16-May-15	-25	36	0%
Pier Head Segments											
SD3D037	D8 (D3d) - Pier Head Segment - Temporary Platform	6	12-Aug-15	0%	6	18-Aug-15	18-May-15	26-May-15	-61	1	0%
SD3D037	D8 (D3d) - Pier Head Segment Lift & Fix (1 seg)	2	21-Aug-15	0%	2	22-Aug-15	27-May-15	28-May-15	-62	0	0%
SD3D037	D8 (D3d) - Pier Head Segment Diaphragm - Rebar	13	24-Aug-15	0%	13	07-Sep-15	29-May-15	16-Jun-15	-62	0	0%
SD3D037	D8 (D3d) - Pier Head Segment Diaphragm - Formwork	8	08-Sep-15	0%	8	18-Sep-15	18-Jun-15	30-Jun-15	-62	0	0%
SD3D037	D8 (D3d) - Pier Head Segment Diaphragm - Concreting	2	19-Sep-15	0%	2	21-Sep-15	02-Jul-15	03-Jul-15	-62	0	0%
Pier D9 (D3c)											
Pile Cap Works											
SD3C012	D9 (D3c) - Pile cap Rebarwork	4	15-May-15 A	100%	0	26-May-15 A					100%
SD3C012	D9 (D3c) - Pile cap Kicker Formwork	2	22-Jun-15	0%	2	24-Jun-15	14-Dec-18	15-Dec-18	995	995	0%
SD3C013	D9 (D3c) - Pile cap Concreting	1	01-Jun-15 A	100%	0	01-Jun-15 A					100%
SD3C014	D9 (D3c) - Pile cap Curing & Striking of Forms incl. CJ prep	6	22-Jun-15	0%	6	30-Jun-15	10-Dec-18	15-Dec-18	991	991	0%
Pier Works											
SD3C015	D9 (D3c) - Type 5B Pier Scaffolding (1st Lift)	2	10-Jun-15 A	100%	0	13-Jun-15 A					100%



Actual Work
Planned Bar
Critical Bar
Milestone

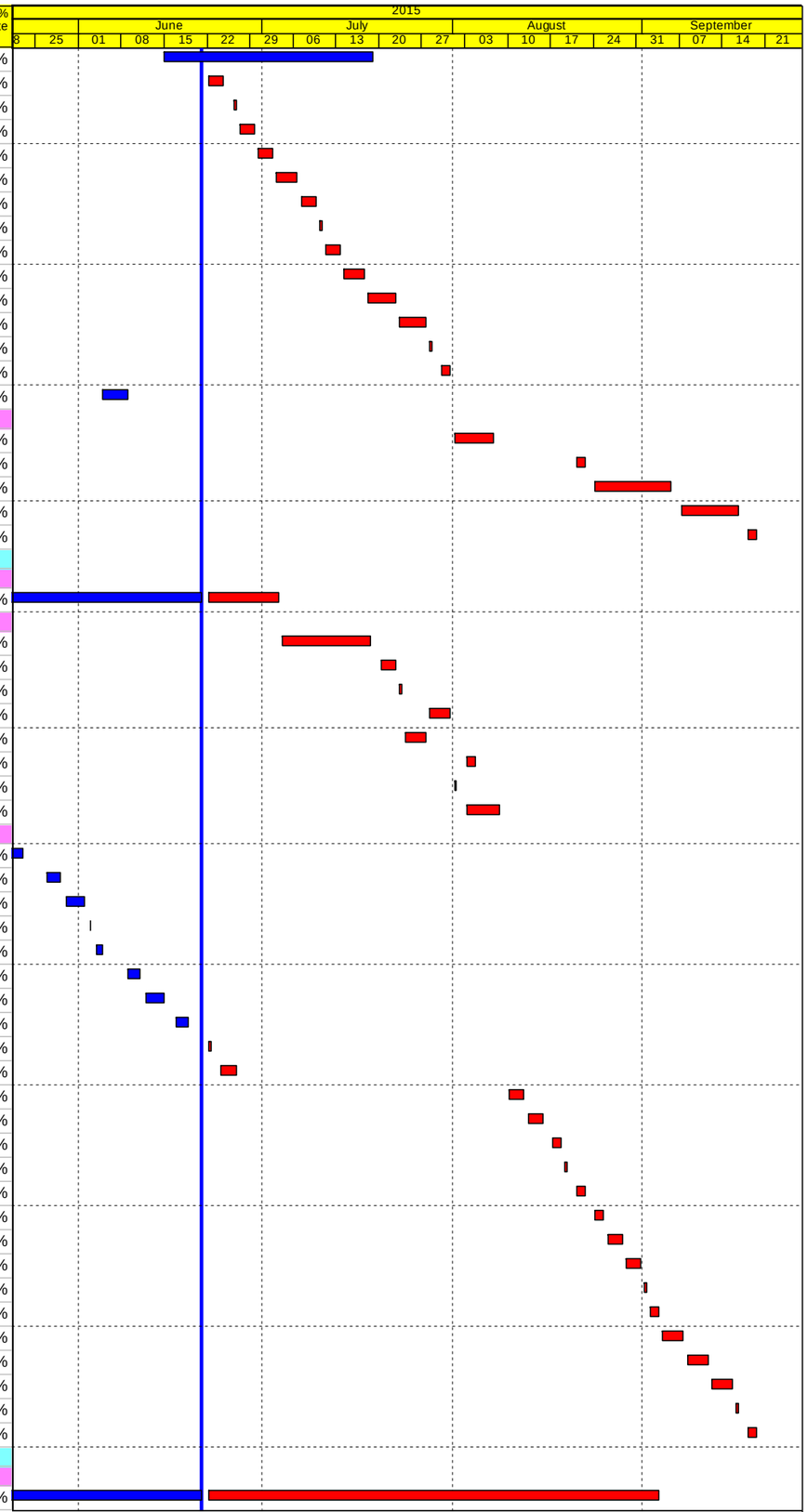
Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 18 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
SD3C016	D9 (D3c) - Type 5B Pier Rebarwork (1st Lift)	3	15-Jun-15 A	100%	0	19-Jul-15 A					100%
SD3C017	D9 (D3c) - Type 5B Pier Formwork & Prep for Concreting (1st Lift)	2	22-Jun-15	0%	2	24-Jun-15	06-May-15	07-May-15	-32	0	0%
SD3C018	D9 (D3c) - Type 5B Pier Concreting (1st Lift)	1	26-Jun-15	0%	1	26-Jun-15	08-May-15	08-May-15	-32	0	0%
SD3C018	D9 (D3c) - Type 5B Pier Curing & Striking of Forms incl. CJ prep (1st Lift)	2	27-Jun-15	0%	2	29-Jun-15	09-May-15	11-May-15	-32	0	0%
SD3C019	D9 (D3c) - Type 5B Pier Scaffolding (2nd Lift)	2	30-Jun-15	0%	2	02-Jul-15	13-May-15	14-May-15	-32	0	0%
SD3C020	D9 (D3c) - Type 5B Pier Rebarwork (2nd Lift)	3	03-Jul-15	0%	3	06-Jul-15	15-May-15	18-May-15	-32	0	0%
SD3C021	D9 (D3c) - Type 5B Pier Formwork & Prep for Concreting (2nd Lift)	3	07-Jul-15	0%	3	09-Jul-15	19-May-15	22-May-15	-32	0	0%
SD3C022	D9 (D3c) - Type 5B Pier Concreting (2nd Lift)	1	10-Jul-15	0%	1	10-Jul-15	23-May-15	23-May-15	-32	0	0%
SD3C022	D9 (D3c) - Type 5B Pier Curing & Striking of Forms incl. CJ prep (2nd Lift)	2	11-Jul-15	0%	2	13-Jul-15	26-May-15	27-May-15	-32	0	0%
SD3C023	D9 (D3c) - Type 5B Pier head Scaffolding	3	14-Jul-15	0%	3	17-Jul-15	28-May-15	30-May-15	-32	0	0%
SD3C024	D9 (D3c) - Type 5B Pier Head Rebarwork	4	18-Jul-15	0%	4	22-Jul-15	01-Jun-15	05-Jun-15	-32	0	0%
SD3C025	D9 (D3c) - Type 5B Pier Head Formwork & Prep for Concreting	4	23-Jul-15	0%	4	27-Jul-15	06-Jun-15	12-Jun-15	-32	0	0%
SD3C026	D9 (D3c) - Type 5B Pier Head Concreting	1	28-Jul-15	0%	1	28-Jul-15	13-Jun-15	13-Jun-15	-32	0	0%
SD3C026	D9 (D3c) - Type 5B Pier Head Curing & Striking of Forms incl. CJ prep	2	30-Jul-15	0%	2	31-Jul-15	15-Jun-15	16-Jun-15	-32	0	0%
SD3C032	D9 (D3c) - Type 5B Pier Backfilling Works	4	05-Jun-15 A	100%	0	09-Jun-15 A					100%
Pier Head Segments											
SD3C037	D9 (D3c) - Pier Head Segment - Temporary Platform	6	01-Aug-15	0%	6	07-Aug-15	18-Jun-15	27-Jun-15	-32	9	0%
SD3C037	D9 (D3c) - Pier Head Segment Lift & Fix (1 seg)	2	21-Aug-15	0%	2	22-Aug-15	29-Jun-15	30-Jun-15	-41	0	0%
SD3C037	D9 (D3c) - Pier Head Segment Diaphragm - Rebar	12	24-Aug-15	0%	12	05-Sep-15	02-Jul-15	15-Jul-15	-41	0	0%
SD3C037	D9 (D3c) - Pier Head Segment Diaphragm - Formwork	8	07-Sep-15	0%	8	16-Sep-15	17-Jul-15	25-Jul-15	-41	0	0%
SD3C037	D9 (D3c) - Pier Head Segment Diaphragm - Concreting	2	18-Sep-15	0%	2	19-Sep-15	27-Jul-15	28-Jul-15	-41	0	0%
Pier D10 (D3b)											
Socketted H-Pile Installation D10											
GFXX46	D10B (D3b) - Installation of SH Pile (8 nr)	80	21-Mar-15 A	87.5%	10	03-Jul-15	11-Mar-15	21-Mar-15	-81	0	87.5%
Pile Cap Works											
SD3BR0	D10B (D3b-R) - Pile cap Excavation / ELS (incl. sheet piling)	12	04-Jul-15	0%	12	18-Jul-15	23-Mar-15	09-Apr-15	-71	0	0%
SD3BR0	D10B (D3b-R) - Pile cap Pile breakdown to cut-off etc	3	20-Jul-15	0%	3	22-Jul-15	10-Apr-15	13-Apr-15	-71	0	0%
SD3BR1	D10B (D3b-R) - Pile cap Blinding	1	23-Jul-15	0%	1	23-Jul-15	14-Apr-15	14-Apr-15	-71	0	0%
SD3BR1	D10B (D3b-R) - Pile cap Formwork	3	28-Jul-15	0%	3	31-Jul-15	20-Apr-15	22-Apr-15	-71	0	0%
SD3BR1	D10B (D3b-R) - Pile cap Rebarwork	3	24-Jul-15	0%	3	27-Jul-15	16-Apr-15	18-Apr-15	-71	0	0%
SD3BR1	D10B (D3b-R) - Pile cap Kicker Formwork	2	03-Aug-15	0%	2	04-Aug-15	30-Apr-15	02-May-15	-67	4	0%
SD3BR1	D10B (D3b-R) - Pile cap Concreting	1	01-Aug-15	0%	1	01-Aug-15	24-Apr-15	24-Apr-15	-71	0	0%
SD3BR1	D10B (D3b-R) - Pile cap Curing & Striking of Forms incl. CJ prep	6	03-Aug-15	0%	6	08-Aug-15	25-Apr-15	02-May-15	-71	0	0%
Pier Works											
SD3BL19	D10A (D3b-L) - Pier Scaffolding (2nd Lift)	2	19-May-15 A	100%	0	23-May-15 A					100%
SD3BL20	D10A (D3b-L) - Pier Rebarwork (2nd Lift)	3	27-May-15 A	100%	0	29-May-15 A					100%
SD3BL21	D10A (D3b-L) - Pier Formwork & Prep for Concreting (2nd Lift)	2	30-May-15 A	100%	0	02-Jun-15 A					100%
SD3BL22	D10A (D3b-L) - Pier Concreting (2nd Lift)	1	03-Jun-15 A	100%	0	03-Jun-15 A					100%
SD3BL22	D10A (D3b-L) - Pier Curing & Striking of Forms incl. CJ prep (2nd Lift)	2	04-Jun-15 A	100%	0	05-Jun-15 A					100%
SD3BL23	D10A (D3b-L) - Pier Scaffolding (3rd Lift)	3	09-Jun-15 A	100%	0	11-Jun-15 A					100%
SD3BL24	D10A (D3b-L) - Pier Rebarwork (3rd Lift)	3	12-Jun-15 A	100%	0	15-Jun-15 A					100%
SD3BL25	D10A (D3b-L) - Pier Formwork & Prep for Concreting (3rd Lift)	3	17-Jun-15 A	100%	0	19-Jun-15 A					100%
SD3BL26	D10A (D3b-L) - Pier Concreting (3rd Lift)	1	22-Jun-15	0%	1	22-Jun-15	15-Jun-15	15-Jun-15	-4	0	0%
SD3BL26	D10A (D3b-L) - Pier Curing & Striking of Forms incl. CJ prep (3rd Lift)	2	24-Jun-15	0%	2	26-Jun-15	16-Jun-15	18-Jun-15	-4	66	0%
SD3BR15	D10B (D3b-R) - Pier Scaffolding (1st Lift)	2	10-Aug-15	0%	2	12-Aug-15	04-May-15	05-May-15	-71	0	0%
SD3BR16	D10B (D3b-R) - Pier Rebarwork (1st Lift)	3	13-Aug-15	0%	3	15-Aug-15	06-May-15	08-May-15	-71	0	0%
SD3BR17	D10B (D3b-R) - Pier Formwork & Prep for Concreting (1st Lift)	2	17-Aug-15	0%	2	18-Aug-15	09-May-15	11-May-15	-71	0	0%
SD3BR18	D10B (D3b-R) - Pier Concreting (1st Lift)	1	19-Aug-15	0%	1	19-Aug-15	13-May-15	13-May-15	-71	0	0%
SD3BR18	D10B (D3b-R) - Pier Curing & Striking of Forms incl. CJ prep (1st Lift)	2	21-Aug-15	0%	2	22-Aug-15	14-May-15	15-May-15	-71	0	0%
SD3BR19	D10B (D3b-R) - Pier Scaffolding (2nd Lift)	2	24-Aug-15	0%	2	25-Aug-15	16-May-15	18-May-15	-71	0	0%
SD3BR20	D10B (D3b-R) - Pier Rebarwork (2nd Lift)	3	26-Aug-15	0%	3	28-Aug-15	19-May-15	22-May-15	-71	0	0%
SD3BR21	D10B (D3b-R) - Pier Formwork & Prep for Concreting (2nd Lift)	2	29-Aug-15	0%	2	31-Aug-15	23-May-15	26-May-15	-71	0	0%
SD3BR22	D10B (D3b-R) - Pier Concreting (2nd Lift)	1	01-Sep-15	0%	1	01-Sep-15	27-May-15	27-May-15	-71	0	0%
SD3BR22	D10B (D3b-R) - Pier Curing & Striking of Forms incl. CJ prep (2nd Lift)	2	02-Sep-15	0%	2	03-Sep-15	28-May-15	30-May-15	-70	0	0%
SD3BR23	D10B (D3b-R) - Pier Scaffolding (3rd Lift)	3	04-Sep-15	0%	3	07-Sep-15	01-Jun-15	04-Jun-15	-70	0	0%
SD3BR24	D10B (D3b-R) - Pier Rebarwork (3rd Lift)	3	08-Sep-15	0%	3	11-Sep-15	05-Jun-15	08-Jun-15	-70	0	0%
SD3BR25	D10B (D3b-R) - Pier Formwork & Prep for Concreting (3rd Lift)	3	12-Sep-15	0%	3	15-Sep-15	10-Jun-15	13-Jun-15	-70	0	0%
SD3BR26	D10B (D3b-R) - Pier Concreting (3rd Lift)	1	16-Sep-15	0%	1	16-Sep-15	15-Jun-15	15-Jun-15	-70	0	0%
SD3BR26	D10B (D3b-R) - Pier Curing & Striking of Forms incl. CJ prep (3rd Lift)	2	18-Sep-15	0%	2	19-Sep-15	16-Jun-15	18-Jun-15	-70	0	0%
Pier D11 (D3a)											
Socketted H-Pile Installation - D11 (D3a)											
GFXX46	D11B (D3a) - Installation of SH Pile (8 nr)	90	09-Apr-15 A	30%	63	03-Sep-15	20-Jan-15	11-Apr-15	-121	0	30%



Actual Work
Planned Bar
Critical Bar
Milestone

Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

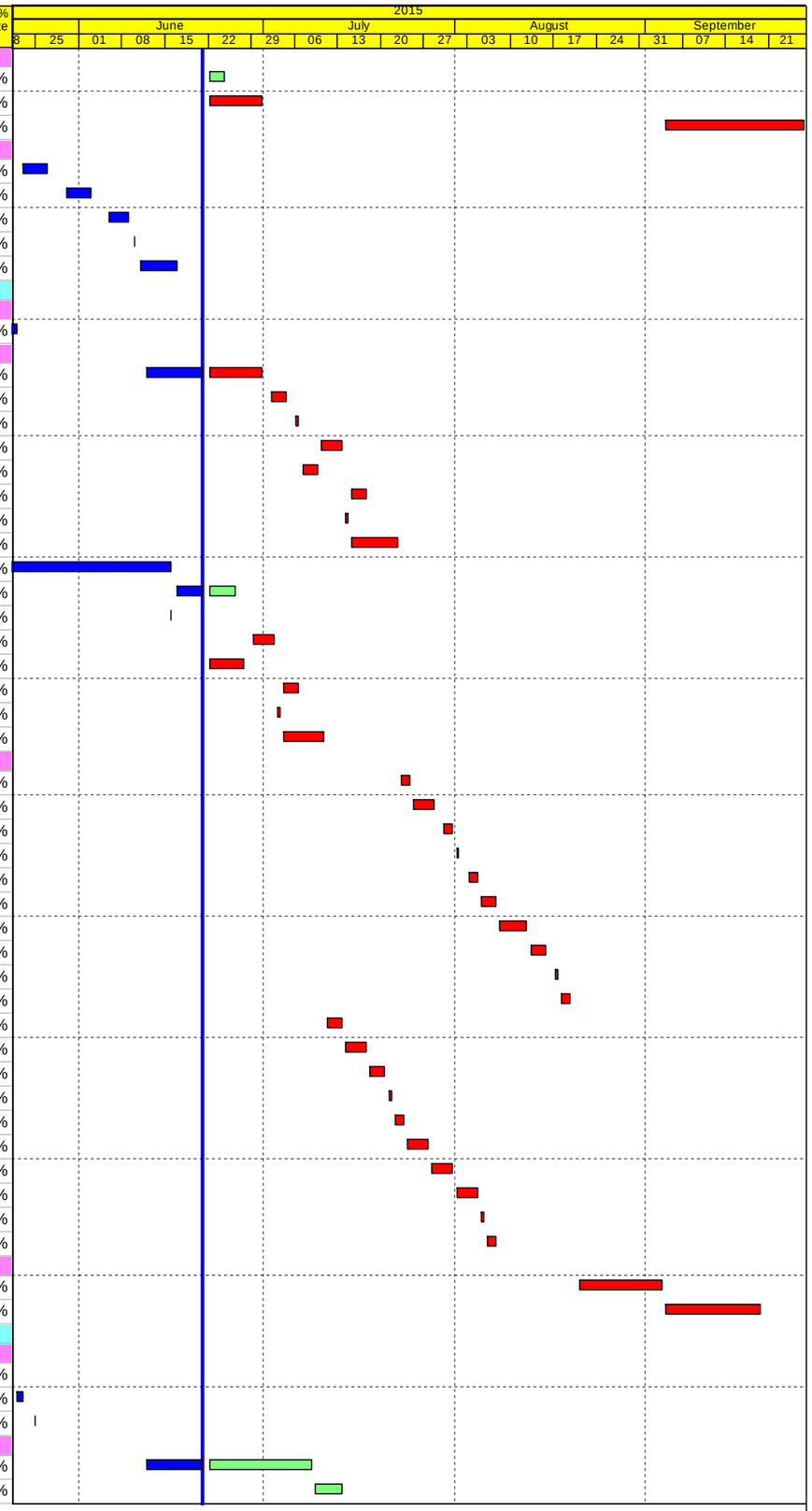
Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 19 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:

J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Dur.	Act. Start / FC Early Start	Duration % Complete	Rem. Dur.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
Pile Cap Works											
SD3AL12	D11A (D3a-L) - Pile cap Kicker Formwork	2	22-Jun-15	0%	2	24-Jun-15	14-Dec-18	15-Dec-18	995	995	0%
SD3AL14	D11A (D3a-L) - Pile cap Curing & Striking of Forms incl. CJ prep	6	22-Jun-15	0%	6	30-Jun-15	28-Apr-15	06-May-15	-38	69	0%
SD3AR05	D11B (D3a-R) - Pile cap Excavation / ELS (incl. sheet piling)	18	04-Sep-15	0%	18	26-Sep-15	11-Apr-15	06-May-15	-107	0	0%
Pier Works											
SD3AL19	D11A (D3a-L) - Pier Scaffolding (2nd Lift)	2	23-May-15 A	100%	0	27-May-15 A					100%
SD3AL20	D11A (D3a-L) - Pier Rebarwork (2nd Lift)	3	30-May-15 A	100%	0	03-Jun-15 A					100%
SD3AL21	D11A (D3a-L) - Pier Formwork & Prep for Concreting (2nd Lift)	3	06-Jun-15 A	100%	0	09-Jun-15 A					100%
SD3AL22	D11A (D3a-L) - Pier Concreting (2nd Lift)	1	10-Jun-15 A	100%	0	10-Jun-15 A					100%
SD3AL23	D11A (D3a-L) - Pier Curing & Striking of Forms incl. CJ prep (2nd Lift)	2	11-Jun-15 A	100%	0	17-Jun-15 A					100%
Pier D12 (D2e)											
Socketted H-Pile Installation - D12 (D2e)											
GFXX463	D12A (D2e) - Installation of SH Pile (8 nr)	80	15-Apr-15 A	100%	0	22-May-15 A					100%
Pile Cap Works											
SD2EL09	D12A (D2e-L) - Pile cap Excavation / ELS	30	12-Jun-15 A	80%	6	30-Jun-15	18-May-15	26-May-15	-23	0	0%
SD2EL09	D12A (D2e-L) - Pile cap Pile breakdown to cut-off etc	3	02-Jul-15	0%	3	04-Jul-15	27-May-15	29-May-15	-23	0	0%
SD2EL10	D12A (D2e-L) - Pile cap Blinding	1	06-Jul-15	0%	1	06-Jul-15	30-May-15	30-May-15	-23	0	0%
SD2EL11	D12A (D2e-L) - Pile cap Formwork	3	10-Jul-15	0%	3	13-Jul-15	05-Jun-15	08-Jun-15	-23	0	0%
SD2EL12	D12A (D2e-L) - Pile cap Rebarwork	3	07-Jul-15	0%	3	09-Jul-15	01-Jun-15	04-Jun-15	-23	0	0%
SD2EL12	D12A (D2e-L) - Pile cap Kicker Formwork	2	15-Jul-15	0%	2	17-Jul-15	18-Jun-15	19-Jun-15	-19	4	0%
SD2EL13	D12A (D2e-L) - Pile cap Concreting	1	14-Jul-15	0%	1	14-Jul-15	10-Jun-15	10-Jun-15	-23	0	0%
SD2EL14	D12A (D2e-L) - Pile cap Curing & Striking of Forms incl. CJ prep	6	15-Jul-15	0%	6	22-Jul-15	12-Jun-15	19-Jun-15	-23	0	0%
SD2ER05	D12B (D2e-R) - Pile cap Excavation / ELS	60	03-Nov-14 A	100%	0	16-Jun-15 A					100%
SD2ER09	D12B (D2e-R) - Pile cap Pile breakdown to cut-off etc	4	17-Jun-15 A	40%	2	26-Jun-15	13-Dec-18	15-Dec-18	995	995	40%
SD2ER10	D12B (D2e-R) - Pile cap Blinding	1	16-Jun-15 A	100%	0	16-Jun-15 A					100%
SD2ER11	D12B (D2e-R) - Pile cap Formwork	3	29-Jun-15	0%	3	02-Jul-15	04-Jun-15	06-Jun-15	-15	0	0%
SD2ER12	D12B (D2e-R) - Pile cap Rebarwork	4	22-Jun-15	0%	4	27-Jun-15	29-May-15	02-Jun-15	-15	0	0%
SD2ER13	D12B (D2e-R) - Pile cap Kicker Formwork	2	04-Jul-15	0%	2	06-Jul-15	18-Jun-15	19-Jun-15	-10	4	0%
SD2ER13	D12B (D2e-R) - Pile cap Concreting	1	03-Jul-15	0%	1	03-Jul-15	08-Jun-15	08-Jun-15	-15	0	0%
SD2ER14	D12B (D2e-R) - Pile cap Curing & Striking of Forms incl. CJ prep	6	04-Jul-15	0%	6	10-Jul-15	10-Jun-15	19-Jun-15	-14	0	0%
Pier Works											
SD2EL15	D12A (D2e-L) - Pier Scaffolding (1st Lift)	2	23-Jul-15	0%	2	24-Jul-15	22-Jun-15	24-Jun-15	-23	0	0%
SD2EL16	D12A (D2e-L) - Pier Rebarwork (1st Lift)	3	25-Jul-15	0%	3	28-Jul-15	26-Jun-15	29-Jun-15	-23	0	0%
SD2EL17	D12A (D2e-L) - Pier Formwork & Prep for Concreting (1st Lift)	2	30-Jul-15	0%	2	31-Jul-15	30-Jun-15	02-Jul-15	-23	0	0%
SD2EL18	D12A (D2e-L) - Pier Concreting (1st Lift)	1	01-Aug-15	0%	1	01-Aug-15	03-Jul-15	03-Jul-15	-23	0	0%
SD2EL18	D12A (D2e-L) - Pier Curing & Striking of Forms incl. CJ prep (1st Lift)	2	03-Aug-15	0%	2	04-Aug-15	04-Jul-15	06-Jul-15	-23	0	0%
SD2EL19	D12A (D2e-L) - Pier Scaffolding (2nd Lift)	3	05-Aug-15	0%	3	07-Aug-15	07-Jul-15	09-Jul-15	-23	0	0%
SD2EL20	D12A (D2e-L) - Pier Rebarwork (2nd Lift)	3	08-Aug-15	0%	3	12-Aug-15	10-Jul-15	13-Jul-15	-23	0	0%
SD2EL21	D12A (D2e-L) - Pier Formwork & Prep for Concreting (2nd Lift)	3	13-Aug-15	0%	3	15-Aug-15	14-Jul-15	17-Jul-15	-23	0	0%
SD2EL22	D12A (D2e-L) - Pier Concreting (2nd Lift)	1	17-Aug-15	0%	1	17-Aug-15	18-Jul-15	18-Jul-15	-23	0	0%
SD2EL22	D12A (D2e-L) - Pier Curing & Striking of Forms incl. CJ prep (2nd Lift)	2	18-Aug-15	0%	2	19-Aug-15	20-Jul-15	21-Jul-15	-23	0	0%
SD2ER15	D12B (D2e-R) - Pier Scaffolding (1st Lift)	2	11-Jul-15	0%	2	13-Jul-15	22-Jun-15	24-Jun-15	-14	0	0%
SD2ER16	D12B (D2e-R) - Pier Rebarwork (1st Lift)	3	14-Jul-15	0%	3	17-Jul-15	26-Jun-15	29-Jun-15	-14	0	0%
SD2ER17	D12B (D2e-R) - Pier Formwork & Prep for Concreting (1st Lift)	2	18-Jul-15	0%	2	20-Jul-15	30-Jun-15	02-Jul-15	-14	0	0%
SD2ER18	D12B (D2e-R) - Pier Concreting (1st Lift)	1	21-Jul-15	0%	1	21-Jul-15	03-Jul-15	03-Jul-15	-14	0	0%
SD2ER18	D12B (D2e-R) - Pier Curing & Striking of Forms incl. CJ prep (1st Lift)	2	22-Jul-15	0%	2	23-Jul-15	04-Jul-15	06-Jul-15	-14	0	0%
SD2ER19	D12B (D2e-R) - Pier Scaffolding (2nd Lift)	3	24-Jul-15	0%	3	27-Jul-15	07-Jul-15	09-Jul-15	-14	0	0%
SD2ER20	D12B (D2e-R) - Pier Rebarwork (2nd Lift)	3	28-Jul-15	0%	3	31-Jul-15	10-Jul-15	13-Jul-15	-14	0	0%
SD2ER23	D12B (D2e-R) - Pier Formwork & Prep for	3	01-Aug-15	0%	3	04-Aug-15	14-Jul-15	17-Jul-15	-14	0	0%
SD2ER23	D12B (D2e-R) - Pier Concreting (2nd Lift)	1	05-Aug-15	0%	1	05-Aug-15	18-Jul-15	18-Jul-15	-14	0	0%
SD2ER23	D12B (D2e-R) - Pier Curing & Striking of Forms incl. CJ prep (2nd Lift)	2	06-Aug-15	0%	2	07-Aug-15	20-Jul-15	21-Jul-15	-14	9	0%
Portal											
SD2ER28	D12 (D2e) - Portal Beam Scaffolding	12	21-Aug-15	0%	12	03-Sep-15	22-Jul-15	05-Aug-15	-23	0	0%
SD2ER29	D12 (D2e) - Portal Beam Soffit Formwork	12	04-Sep-15	0%	12	19-Sep-15	06-Aug-15	21-Aug-15	-23	0	0%
Pier D13 (D2d)											
Socketted H-Pile Installation - D13 (D2d)											
GFXX454	D13 (D2d) - Installation of SH Pile (10 nos)	104	09-Feb-15 A	100%	0	21-May-15 A					100%
GFXX472	D13 (D2d) - Selection of pile for Loading Test (N/A)	6	22-May-15 A	100%	0	23-May-15 A					100%
GFXX473	D13 (D2d) - Loading Test for pre-bored H-pile (N/A)	36	25-May-15 A	100%	0	25-May-15 A					100%
Pile Cap Works											
SD2D009	D13 (D2d) - Pile cap Excavation / ELS (incl. sheet piling)	30	12-Jun-15 A	60%	12	08-Jul-15	28-Jul-15	12-Aug-15	27	0	60%
SD2D009	D13 (D2d) - Pile cap Pile breakdown to cut-off etc.	4	09-Jul-15	0%	4	13-Jul-15	13-Aug-15	17-Aug-15	27	0	0%



Actual Work
Planned Bar
Critical Bar
Milestone

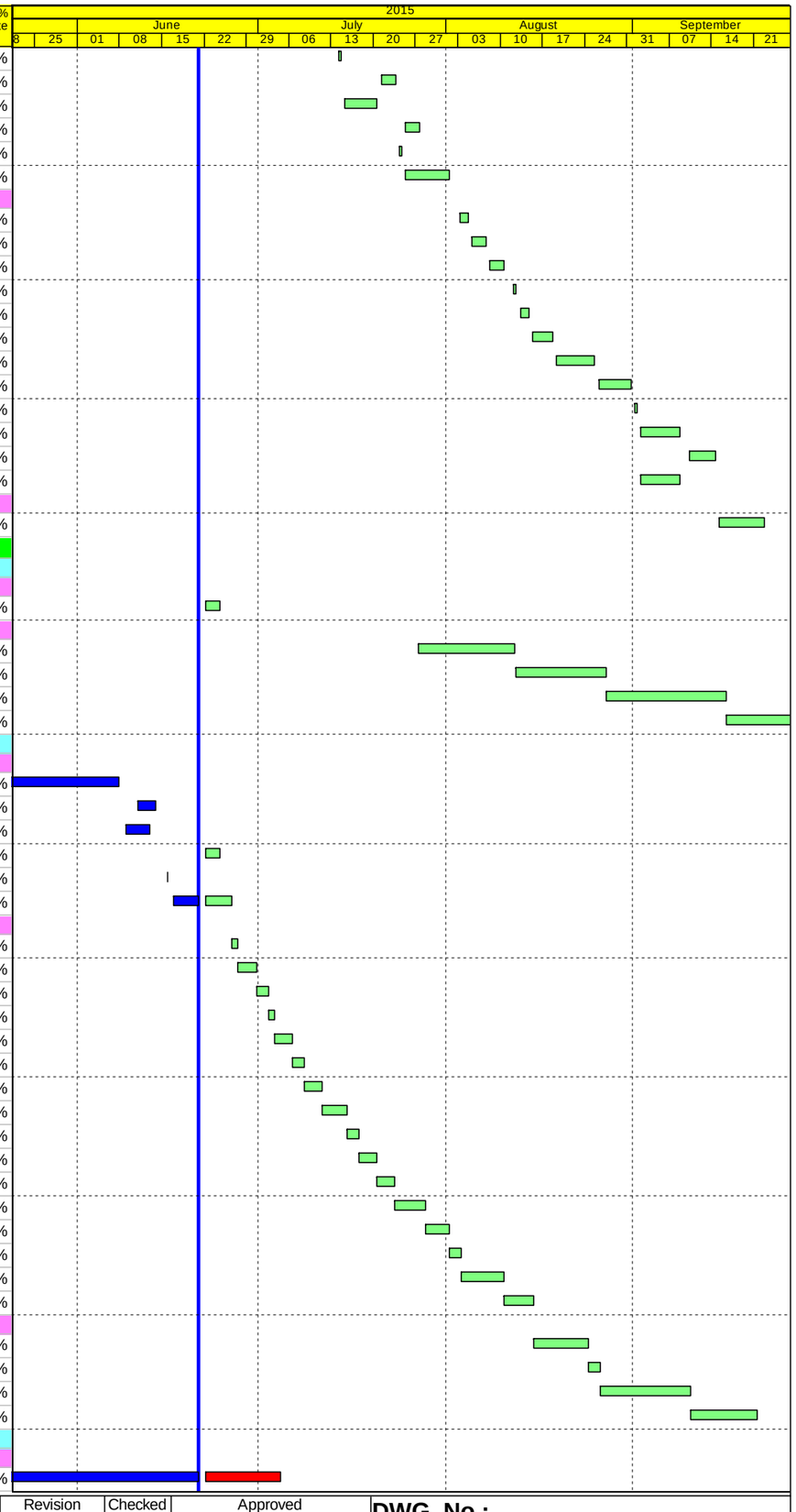
Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 20 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
SD2D010	D13 (D2d) - Pile cap Blinding	1	14-Jul-15	0%	1	14-Jul-15	18-Aug-15	18-Aug-15	27	0	0%
SD2D011	D13 (D2d) - Pile cap Formwork	3	21-Jul-15	0%	3	23-Jul-15	25-Aug-15	27-Aug-15	27	0	0%
SD2D012	D13 (D2d) - Pile cap Rebarwork	4	15-Jul-15	0%	4	20-Jul-15	19-Aug-15	24-Aug-15	27	0	0%
SD2D012	D13 (D2d) - Pile cap Kicker Formwork	2	25-Jul-15	0%	2	27-Jul-15	03-Sep-15	04-Sep-15	31	4	0%
SD2D013	D13 (D2d) - Pile cap Concreting	1	24-Jul-15	0%	1	24-Jul-15	28-Aug-15	28-Aug-15	27	0	0%
SD2D014	D13 (D2d) - Pile cap Curing & Striking of Forms incl. CJ prep	6	25-Jul-15	0%	6	01-Aug-15	29-Aug-15	04-Sep-15	27	0	0%
Pier Works											
SD2D015	D13 (D2d) - Type 5B-MJ Pier Scaffolding (1st Lift)	2	03-Aug-15	0%	2	04-Aug-15	05-Sep-15	07-Sep-15	27	0	0%
SD2D016	D13 (D2d) - Type 5B-MJ Pier Rebarwork (1st Lift)	3	05-Aug-15	0%	3	07-Aug-15	08-Sep-15	11-Sep-15	27	0	0%
SD2D017	D13 (D2d) - Type 5B-MJ Pier Formwork & Prep for Concreting (1st Lift)	2	08-Aug-15	0%	2	10-Aug-15	12-Sep-15	14-Sep-15	27	0	0%
SD2D018	D13 (D2d) - Type 5B-MJ Pier Concreting (1st Lift)	1	12-Aug-15	0%	1	12-Aug-15	15-Sep-15	15-Sep-15	27	0	0%
SD2D018	D13 (D2d) - Type 5B-MJ Pier Curing & Striking of Forms incl. CJ prep (1st Lif	2	13-Aug-15	0%	2	14-Aug-15	16-Sep-15	18-Sep-15	27	0	0%
SD2D030	D13 (D2d) - Type 5B-MJ Pier Head Scaffolding	3	15-Aug-15	0%	3	18-Aug-15	19-Sep-15	22-Sep-15	27	0	0%
SD2D031	D13 (D2d) - Type 5B-MJ Pier Head Rebarwork	5	19-Aug-15	0%	5	25-Aug-15	23-Sep-15	29-Sep-15	27	0	0%
SD2D032	D13 (D2d) - Type 5B-MJ Pier Head Formwork & Prep for Concreting	5	26-Aug-15	0%	5	31-Aug-15	30-Sep-15	06-Oct-15	27	0	0%
SD2D033	D13 (D2d) - Type 5B-MJ Pier Head Concreting	1	01-Sep-15	0%	1	01-Sep-15	07-Oct-15	07-Oct-15	27	0	0%
SD2D034	D13 (D2d) - Type 5B-MJ Pier Head Curing/Striking of Forms/Remove Scaffol	6	02-Sep-15	0%	6	08-Sep-15	08-Oct-15	15-Oct-15	27	0	0%
SD2D036	D13 (D2d) - Type 5B-MJ Pier Backfilling Works	4	10-Sep-15	0%	4	14-Sep-15	16-Oct-15	20-Oct-15	27	0	0%
SD2D038	D13 (D2d) - Type 5B-Bearing Plinth	6	02-Sep-15	0%	6	08-Sep-15	08-Oct-15	15-Oct-15	27	0	0%
Pier Head Segments											
SD2D037	D13 (D2d) - Pier Head Segment - Temporary Platform	6	15-Sep-15	0%	6	22-Sep-15	22-Oct-15	28-Oct-15	27	64	0%
Bridge D1											
Pier D14 (D2c)											
Pier Works											
SD2CL22	D14A (D2c-L) - Pier Curing & Striking of Forms incl. CJ prep (2nd Lift)	2	22-Jun-15	0%	2	24-Jun-15	13-Aug-15	14-Aug-15	39	25	0%
Portal											
SD2CR28	D14 (D2c) - Portal Beam Scaffolding	12	27-Jul-15	0%	12	12-Aug-15	15-Aug-15	29-Aug-15	15	0	0%
SD2CR29	D14 (D2c) - Portal Beam Soffit Formwork	12	12-Aug-15	0%	12	27-Aug-15	31-Aug-15	14-Sep-15	15	0	0%
SD2CR30	D14 (D2c) - Portal Beam Rebarwork & Inserts	16	27-Aug-15	0%	16	16-Sep-15	15-Sep-15	06-Oct-15	15	0	0%
SD2CR31	D14 (D2c) - Portal Beam Side Formwork & Prep for Concreting	16	16-Sep-15	0%	16	08-Oct-15	07-Oct-15	27-Oct-15	15	0	0%
Pier D15 (D2b)											
Pile Cap Works											
SD2B009	D15 (D2b) - Pile cap Pile breakdown to cut-off etc.	4	20-May-15 A	100%	0	08-Jun-15 A					100%
SD2B011	D15 (D2b) - Pile cap Formwork	3	11-Jun-15 A	100%	0	14-Jun-15 A					100%
SD2B012	D15 (D2b) - Pile cap Rebarwork	4	09-Jun-15 A	100%	0	13-Jun-15 A					100%
SD2B012	D15 (D2b) - Pile cap Kicker Formwork	2	22-Jun-15	0%	2	24-Jun-15	17-Aug-15	18-Aug-15	42	1	0%
SD2B013	D15 (D2b) - Pile cap Concreting	1	16-Jun-15 A	100%	0	16-Jun-15 A					100%
SD2B014	D15 (D2b) - Pile cap Curing & Striking of Forms incl. CJ prep	7	17-Jun-15 A	60%	3	26-Jun-15	15-Aug-15	18-Aug-15	41	0	60%
Pier Works											
SD2B015	D15 (D2b) - Type 5B Pier Scaffolding (1st Lift)	1	26-Jun-15	0%	1	27-Jun-15	19-Aug-15	19-Aug-15	41	0	0%
SD2B016	D15 (D2b) - Type 5B Pier Rebarwork (1st Lift)	2	27-Jun-15	0%	2	30-Jun-15	21-Aug-15	22-Aug-15	41	0	0%
SD2B017	D15 (D2b) - Type 5B Pier Formwork & Prep for Concreting (1st Lift)	1	30-Jun-15	0%	1	02-Jul-15	24-Aug-15	24-Aug-15	41	0	0%
SD2B018	D15 (D2b) - Type 5B Pier Concreting (1st Lift)	1	02-Jul-15	0%	1	03-Jul-15	25-Aug-15	25-Aug-15	41	0	0%
SD2B018	D15 (D2b) - Type 5B Pier Curing & Striking of Forms incl. CJ prep (1st Lift)	2	03-Jul-15	0%	2	06-Jul-15	26-Aug-15	27-Aug-15	41	0	0%
SD2B019	D15 (D2b) - Type 5B Pier Scaffolding (2nd Lift)	2	06-Jul-15	0%	2	08-Jul-15	28-Aug-15	29-Aug-15	41	0	0%
SD2B020	D15 (D2b) - Type 5B Pier Rebarwork (2nd Lift)	3	08-Jul-15	0%	3	11-Jul-15	31-Aug-15	02-Sep-15	41	0	0%
SD2B021	D15 (D2b) - Type 5B Pier Formwork & Prep for Concreting (2nd Lift)	3	11-Jul-15	0%	3	15-Jul-15	03-Sep-15	05-Sep-15	41	0	0%
SD2B022	D15 (D2b) - Type 5B Pier Concreting (2nd Lift)	1	15-Jul-15	0%	1	17-Jul-15	07-Sep-15	07-Sep-15	41	0	0%
SD2B031	D15 (D2b) - Type 5B Pier Curing/Striking of Forms/Remove Scaffolding (2nd	2	17-Jul-15	0%	2	20-Jul-15	08-Sep-15	10-Sep-15	41	0	0%
SD2B031	D15 (D2b) - Type 5B Pier Head Scaffolding	3	20-Jul-15	0%	3	23-Jul-15	11-Sep-15	14-Sep-15	41	0	0%
SD2B031	D15 (D2b) - Type 5B Pier Head Rebarwork	4	23-Jul-15	0%	4	28-Jul-15	15-Sep-15	19-Sep-15	41	0	0%
SD2B031	D15 (D2b) - Type 5B Pier Head Formwork & Prep for Concreting	3	28-Jul-15	0%	3	01-Aug-15	21-Sep-15	23-Sep-15	41	0	0%
SD2B031	D15 (D2b) - Type 5B Pier Head Concreting	1	01-Aug-15	0%	1	03-Aug-15	24-Sep-15	24-Sep-15	41	0	0%
SD2B032	D15 (D2b) - Type 5B Pier Head Curing & Striking of Forms incl. CJ prep	6	03-Aug-15	0%	6	10-Aug-15	25-Sep-15	03-Oct-15	41	0	0%
SD2B032	D15 (D2b) - Type 5B Pier Backfilling Works	4	10-Aug-15	0%	4	15-Aug-15	05-Oct-15	08-Oct-15	41	0	0%
Pier Head Segments											
SD2B037	D15 (D2b) - Pier Head Segment - Temporary Platform	6	15-Aug-15	0%	6	24-Aug-15	22-Oct-15	28-Oct-15	50	0	0%
SD2B037	D15 (D2b) - Pier Head Segment Lift & Fix (1 seg)	2	24-Aug-15	0%	2	26-Aug-15	30-Oct-15	31-Oct-15	50	0	0%
SD2B037	D15 (D2b) - Pier Head Segment Diaphragm - Rebar	12	26-Aug-15	0%	12	10-Sep-15	02-Nov-15	14-Nov-15	50	0	0%
SD2B037	D15 (D2b) - Pier Head Segment Diaphragm - Formwork	8	10-Sep-15	0%	8	21-Sep-15	16-Nov-15	24-Nov-15	50	0	0%
Pier D16 (D2a)											
Pile Cap Works											
SD2A009	D16 (D2a) - Pile cap Excavation / ELS (incl. sheet piling)	22	16-May-15 A	60%	9	04-Jul-15	15-May-15	27-May-15	-25	0	0%



Actual Work
Planned Bar
Critical Bar
Milestone

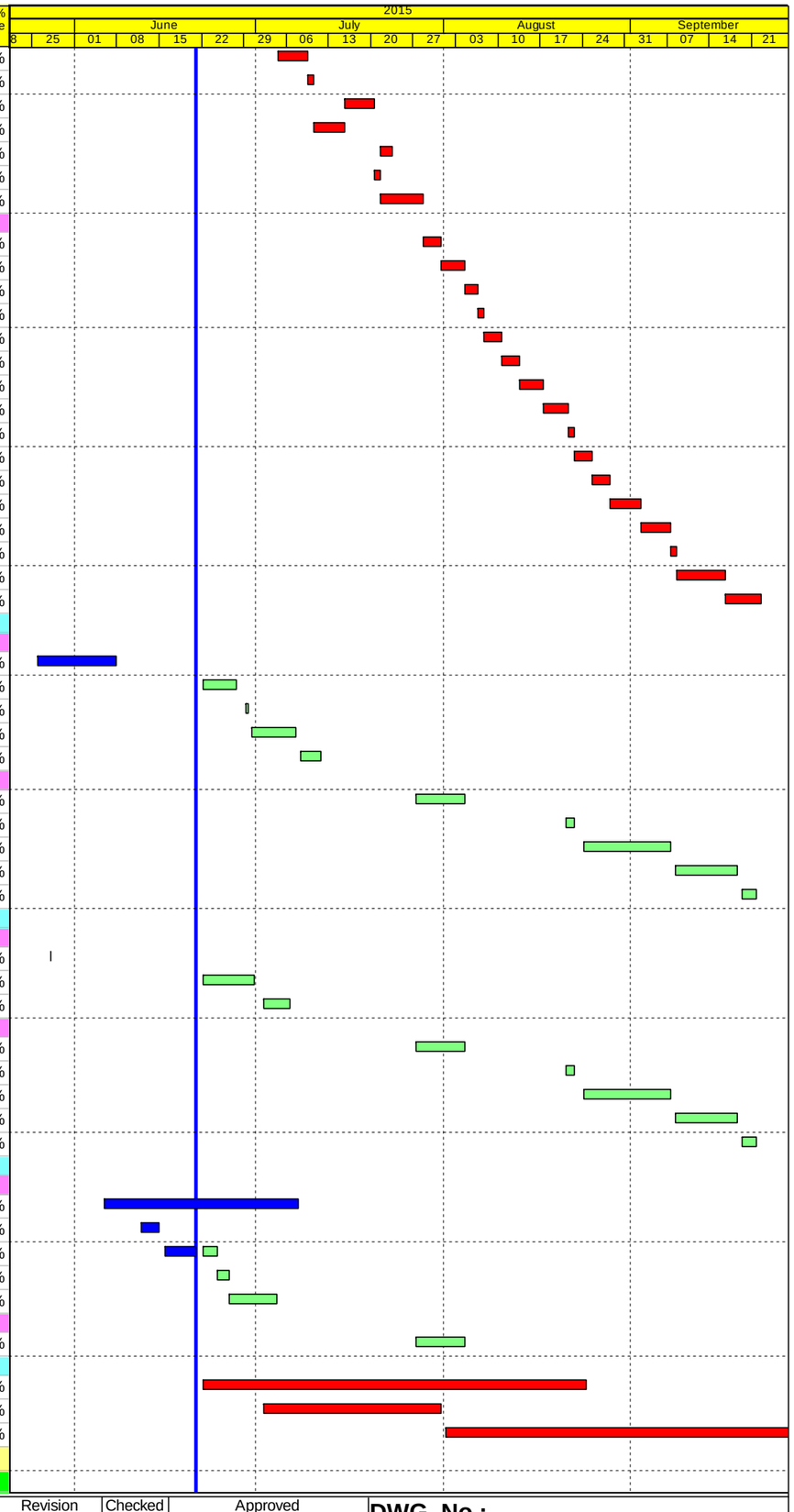
Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 21 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
SD2A009	D16 (D2a) - Pile cap Pile breakdown to cut-off etc.	4	04-Jul-15	0%	4	09-Jul-15	28-May-15	01-Jun-15	-25	0	0%
SD2A010	D16 (D2a) - Pile cap Blinding	1	09-Jul-15	0%	1	10-Jul-15	02-Jun-15	02-Jun-15	-25	0	0%
SD2A011	D16 (D2a) - Pile cap Formwork	3	15-Jul-15	0%	3	20-Jul-15	10-Jun-15	13-Jun-15	-25	0	0%
SD2A012	D16 (D2a) - Pile cap Rebarwork	4	10-Jul-15	0%	4	15-Jul-15	04-Jun-15	08-Jun-15	-25	0	0%
SD2A012	D16 (D2a) - Pile cap Kicker Formwork	2	21-Jul-15	0%	2	23-Jul-15	24-Jun-15	26-Jun-15	-21	4	0%
SD2A013	D16 (D2a) - Pile cap Concreting	1	20-Jul-15	0%	1	21-Jul-15	15-Jun-15	15-Jun-15	-25	0	0%
SD2A014	D16 (D2a) - Pile cap Curing & Striking of Forms incl. CJ prep	6	21-Jul-15	0%	6	28-Jul-15	16-Jun-15	26-Jun-15	-25	0	0%
Pier Works											
SD2A015	D16 (D2a) - Type 5B Pier Scaffolding (1st Lift)	2	28-Jul-15	0%	2	31-Jul-15	27-Jun-15	29-Jun-15	-25	0	0%
SD2A016	D16 (D2a) - Type 5B Pier Rebarwork (1st Lift)	3	31-Jul-15	0%	3	04-Aug-15	30-Jun-15	03-Jul-15	-25	0	0%
SD2A017	D16 (D2a) - Type 5B Pier Formwork & Prep for Concreting (1st Lift)	2	04-Aug-15	0%	2	06-Aug-15	04-Jul-15	06-Jul-15	-25	0	0%
SD2A018	D16 (D2a) - Type 5B Pier Concreting (1st Lift)	1	06-Aug-15	0%	1	07-Aug-15	07-Jul-15	07-Jul-15	-25	0	0%
SD2A018	D16 (D2a) - Type 5B Pier Curing & Striking of Forms incl. CJ prep (1st Lift)	2	07-Aug-15	0%	2	10-Aug-15	08-Jul-15	09-Jul-15	-25	0	0%
SD2A019	D16 (D2a) - Type 5B Pier Scaffolding (2nd Lift)	2	10-Aug-15	0%	2	13-Aug-15	10-Jul-15	11-Jul-15	-25	0	0%
SD2A020	D16 (D2a) - Type 5B Pier Rebarwork (2nd Lift)	3	13-Aug-15	0%	3	17-Aug-15	13-Jul-15	15-Jul-15	-25	0	0%
SD2A021	D16 (D2a) - Type 5B Pier Formwork & Prep for Concreting (2nd Lift)	3	17-Aug-15	0%	3	21-Aug-15	17-Jul-15	20-Jul-15	-25	0	0%
SD2A022	D16 (D2a) - Type 5B Pier Concreting (2nd Lift)	1	21-Aug-15	0%	1	22-Aug-15	21-Jul-15	21-Jul-15	-25	0	0%
SD2A022	D16 (D2a) - Type 5B Pier Curing & Striking of Forms incl. CJ prep (2nd Lift)	2	22-Aug-15	0%	2	25-Aug-15	22-Jul-15	23-Jul-15	-25	0	0%
SD2A023	D16 (D2a) - Type 5B Pier Head Scaffolding	3	25-Aug-15	0%	3	28-Aug-15	24-Jul-15	27-Jul-15	-25	0	0%
SD2A024	D16 (D2a) - Type 5B Pier Head Rebarwork	4	28-Aug-15	0%	4	02-Sep-15	28-Jul-15	01-Aug-15	-25	0	0%
SD2A025	D16 (D2a) - Type 5B Pier Head Formwork & Prep for Concreting	4	02-Sep-15	0%	4	07-Sep-15	03-Aug-15	06-Aug-15	-25	0	0%
SD2A026	D16 (D2a) - Type 5B Pier Head Concreting	1	07-Sep-15	0%	1	08-Sep-15	07-Aug-15	07-Aug-15	-25	0	0%
SD2A031	D16 (D2a) - Type 5B Pier Head Curing/Striking of Forms/Remove Scaffolding	6	08-Sep-15	0%	6	16-Sep-15	08-Aug-15	15-Aug-15	-25	0	0%
SD2A032	D16 (D2a) - Type 5B Pier Backfilling Works	4	16-Sep-15	0%	4	22-Sep-15	17-Aug-15	21-Aug-15	-25	0	0%
Pier D17 (D1d)											
Pier Works											
SD1D020	D17 (D1d) - Type 5B-B Pier Head Rebarwork	4	26-May-15 A	100%	0	08-Jun-15 A					100%
SD1D021	D17 (D1d) - Type 5B-B Pier Head Formwork & Prep for Concreting	4	22-Jun-15	0%	4	27-Jun-15	03-Aug-15	06-Aug-15	31	0	0%
SD1D022	D17 (D1d) - Type 5B-B Pier Head Concreting	1	29-Jun-15	0%	1	29-Jun-15	07-Aug-15	07-Aug-15	31	0	0%
SD1D031	D17 (D1d) - Type 5B-B Pier Head Curing/Striking of Forms/Remove Scaffoldi	6	30-Jun-15	0%	6	07-Jul-15	08-Aug-15	15-Aug-15	31	0	0%
SD1D032	D17 (D1d) - Type 5B-B Pier Backfilling Works	4	08-Jul-15	0%	4	11-Jul-15	17-Aug-15	21-Aug-15	31	12	0%
Pier Head Segments											
SD1D037	D17 (D1d) - Pier Head Segment - Temporary Platform	6	27-Jul-15	0%	6	04-Aug-15	22-Aug-15	28-Aug-15	20	13	0%
SD1D037	D17 (D1d) - Pier Head Segment Lift & Fix (1 seg)	2	21-Aug-15	0%	2	22-Aug-15	29-Aug-15	31-Aug-15	7	0	0%
SD1D037	D17 (D1d) - Pier Head Segment Diaphragm - Rebar	13	24-Aug-15	0%	13	07-Sep-15	01-Sep-15	16-Sep-15	7	0	0%
SD1D037	D17 (D1d) - Pier Head Segment Diaphragm - Formwork	8	08-Sep-15	0%	8	18-Sep-15	18-Sep-15	26-Sep-15	7	0	0%
SD1D037	D17 (D1d) - Pier Head Segment Diaphragm - Concreting	2	19-Sep-15	0%	2	21-Sep-15	29-Sep-15	30-Sep-15	7	0	0%
Pier D18 (D1c)											
Pier Works											
SD1C022	D18 (D1c) - Type 5B-B Pier Head Concreting	1	28-May-15 A	100%	0	28-May-15 A					100%
SD1C031	D18 (D1c) - Type 5B-B Pier Head Curing/Striking of Forms/Remove Scaffoldi	6	22-Jun-15	0%	6	30-Jun-15	02-Nov-15	07-Nov-15	100	0	0%
SD1C032	D18 (D1c) - Type 5B-B Pier Backfilling Works	4	02-Jul-15	0%	4	06-Jul-15	09-Nov-15	12-Nov-15	100	17	0%
Pier Head Segments											
SD1C037	D18 (D1c) - Pier Head Segment - Temporary Platform	6	27-Jul-15	0%	6	04-Aug-15	13-Nov-15	19-Nov-15	84	13	0%
SD1C037	D18 (D1c) - Pier Head Segment Lift & Fix (1 seg)	2	21-Aug-15	0%	2	22-Aug-15	20-Nov-15	21-Nov-15	71	0	0%
SD1C037	D18 (D1c) - Pier Head Segment Diaphragm - Rebar	13	24-Aug-15	0%	13	07-Sep-15	23-Nov-15	07-Dec-15	71	0	0%
SD1C037	D18 (D1c) - Pier Head Segment Diaphragm - Formwork	8	08-Sep-15	0%	8	18-Sep-15	08-Dec-15	16-Dec-15	71	0	0%
SD1C037	D18 (D1c) - Pier Head Segment Diaphragm - Concreting	2	19-Sep-15	0%	2	21-Sep-15	17-Dec-15	18-Dec-15	71	0	0%
Pier D19 (D1b) & Abutment D											
Pier Works											
SD1B015	D19 (D1b) - Pier/Pier Head Scaffolding	4	06-Jun-15 A	100%	0	08-Jul-15 A					100%
SD1B016	D19 (D1b) - Pier/Pier Head Rebarwork	6	12-Jun-15 A	100%	0	15-Jun-15 A					100%
SD1B017	D19 (D1b) - Pier/Pier Head Formwork	8	16-Jun-15 A	80%	2	24-Jun-15	02-Oct-15	03-Oct-15	77	0	80%
SD1B018	D19 (D1b) - Pier/Pier Head Concreting	1	24-Jun-15	0%	1	26-Jun-15	05-Oct-15	05-Oct-15	77	0	0%
SD1B019	D19 (D1b) - Pier/Pier Head Curing & Striking of Forms incl. CJ prep	6	26-Jun-15	0%	6	04-Jul-15	06-Oct-15	12-Oct-15	77	0	0%
Pier Head Segments											
SD1B037	D19 (D1b) - Pier Head Segment - Temporary Platform	6	27-Jul-15	0%	6	04-Aug-15	13-Oct-15	20-Oct-15	60	103	0%
Abutment & Approach Ramp D											
SD1B0200	Abutment D - Walls & Staircase	48	22-Jun-15	0%	48	24-Aug-15	25-Apr-15	04-Jul-15	-40	6	0%
SD1B0250	AR-D - RE Walls - Erect MTR boundary fence, Excavation/formation/drainage	24	02-Jul-15	0%	24	31-Jul-15	25-Apr-15	28-May-15	-46	0	0%
SD1B0260	AR-D - RE Walls - Upper layers with backfill in stages	48	01-Aug-15	0%	48	02-Oct-15	28-May-15	04-Aug-15	-46	0	0%
Viaduct E											
Viaduct E1											



Actual Work
Planned Bar
Critical Bar
Milestone

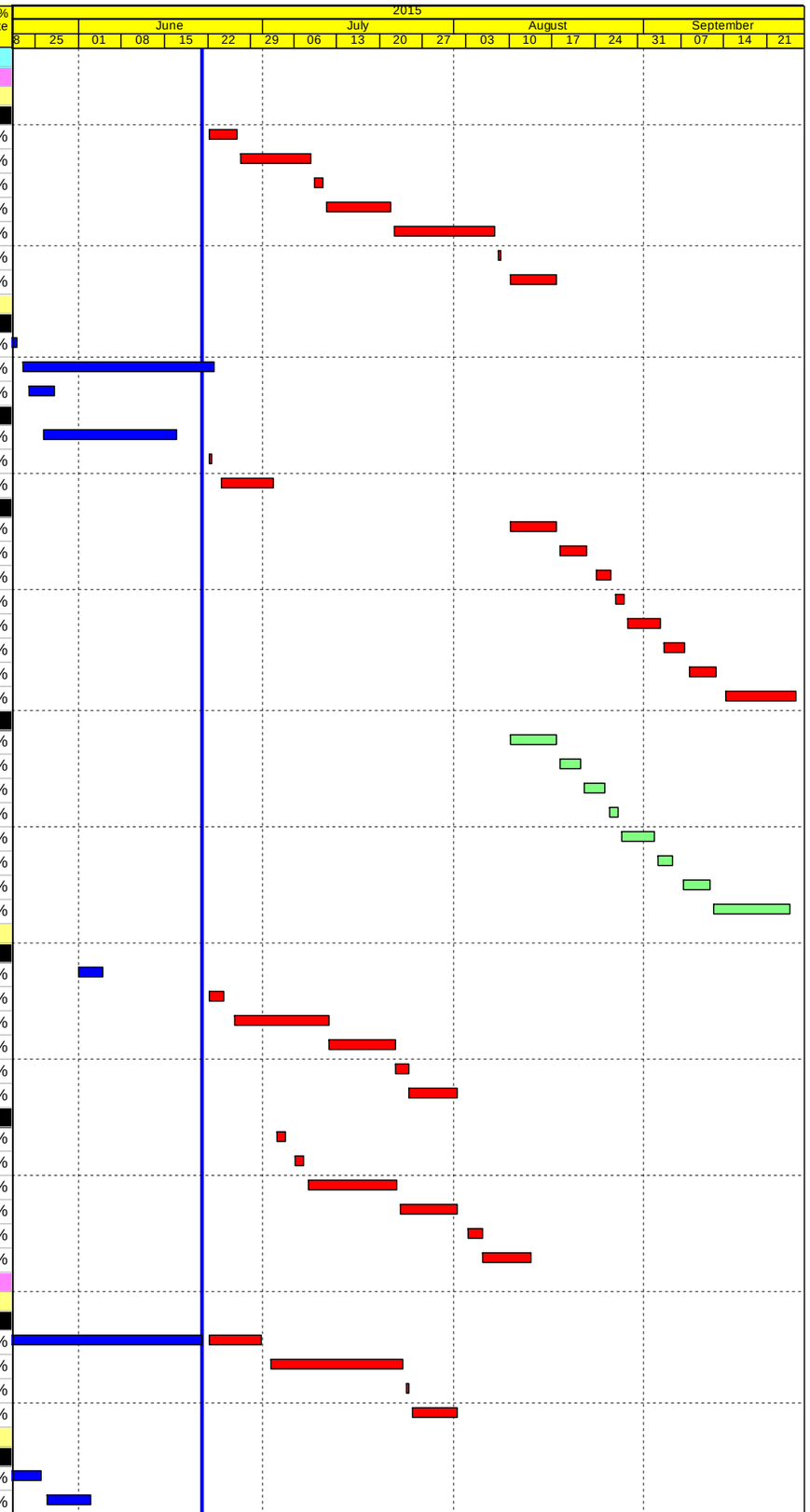
Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 22 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
Bridge E1 - Piling & Substructure											
E1A, E1B, E1C & E1D (E1a1-2-3-4)											
Pile Cap Works - E1A, E1B, E1C & E1D											
Pile Cap Works - E1C/D (E1a2/E1a1)											
SE1A2	E1C/D (E1a2/E1a1) - Marine Pile Cap M1 - Inst.Access & make Watertight	3	22-Jun-15	0%	3	26-Jun-15	20-Nov-14	24-Nov-14	-162	0	0%
SE1A2	E1C/D (E1a2/E1a1) - Marine Pile Cap M1 - Weld Fin Plates/Plug Rebar & C	9	27-Jun-15	0%	9	08-Jul-15	24-Nov-14	04-Dec-14	-162	0	0%
SE1A2	E1C/D (E1a2/E1a1) - Marine Pile Cap M1 - Dewater precast shell / Remove	2	09-Jul-15	0%	2	10-Jul-15	04-Dec-14	06-Dec-14	-162	0	0%
SE1A2	E1C/D (E1a2/E1a1) - Marine Pile Cap M1 - Pile cut down	8	11-Jul-15	0%	8	21-Jul-15	06-Dec-14	16-Dec-14	-162	0	0%
SE1A2	E1C/D (E1a2/E1a1) - Marine Pile Cap M1 - Rebar fixing, inst.inserts etc	14	22-Jul-15	0%	14	07-Aug-15	16-Dec-14	05-Jan-15	-162	0	0%
SE1A2	E1C/D (E1a2/E1a1) - Marine Pile Cap M1 - Concreting	1	08-Aug-15	0%	1	08-Aug-15	05-Jan-15	06-Jan-15	-162	0	0%
SE1A2	E1C/D (E1a2/E1a1) - Marine Pile Cap M1 - Curing incl. CJ Preparation	6	10-Aug-15	0%	6	17-Aug-15	06-Jan-15	13-Jan-15	-162	0	0%
Pier Works - E1A, E1B, E1C & E1D											
Pier Works - E1A (E1a4)											
SE1A4	E1A (E1a4) - Type 4B Pier Head Rebarwork, Formwork & Prep	10	13-Apr-15 A	100%	0	22-May-15 A					100%
SE1A4	E1A (E1a4) - Type 4B Pier Head Concreting	1	23-May-15 A	100%	0	23-Jun-15 A					100%
SE1A4	E1A (E1a4) - Type 4B Pier Head Curing/Striking of Forms/Remove Scaffoldir	6	24-May-15 A	100%	0	28-May-15 A					100%
Pier Works - E1B (E1a3)											
SE1A3	E1B (E1a3) - Type 4B Pier Head Rebarwork, Formwork & Prep	10	26-May-15 A	100%	0	17-Jun-15 A					100%
SE1A3	E1B (E1a3) - Type 4B Pier Head Concreting	1	22-Jun-15	0%	1	22-Jun-15	11-Mar-15	12-Mar-15	-73	0	0%
SE1A3	E1B (E1a3) - Type 4B Pier Head Curing/Striking of Forms/Remove Scaffoldir	6	24-Jun-15	0%	6	02-Jul-15	12-Mar-15	19-Mar-15	-73	0	0%
Pier Works - E1C (E1a2)											
SE1A2	E1C (E1a2) - Type 4B Pier Temp. Support Platform & Scaffold (1st Lift)	6	10-Aug-15	0%	6	17-Aug-15	06-Jan-15	13-Jan-15	-162	0	0%
SE1A2	E1C (E1a2) - Type 4B Pier Rebarwork, Formwork & Prep (1st Lift)	4	18-Aug-15	0%	4	22-Aug-15	13-Jan-15	17-Jan-15	-162	0	0%
SE1A2	E1C (E1a2) - Type 4B Pier Concreting, Curing & Striking, CJ prep (1st Lift)	3	24-Aug-15	0%	3	26-Aug-15	17-Jan-15	21-Jan-15	-162	0	0%
SE1A2	E1C (E1a2) - Type 4B Pier Scaffolding (2nd Lift)	2	27-Aug-15	0%	2	28-Aug-15	21-Jan-15	23-Jan-15	-162	0	0%
SE1A2	E1C (E1a2) - Type 4B Pier Rebarwork, Formwork & Prep (2nd Lift)	5	29-Aug-15	0%	5	03-Sep-15	23-Jan-15	29-Jan-15	-162	0	0%
SE1A2	E1C (E1a2) - Type 4B Pier Concreting, Curing & Striking, CJ prep (2nd Lift)	3	04-Sep-15	0%	3	07-Sep-15	29-Jan-15	02-Feb-15	-162	0	0%
SE1A2	E1C (E1a2) - Type 4B Pier Head Scaffolding	4	08-Sep-15	0%	4	12-Sep-15	02-Feb-15	06-Feb-15	-162	0	0%
SE1A2	E1C (E1a2) - Type 4B Pier Head Rebarwork, Formwork & Prep	10	14-Sep-15	0%	10	25-Sep-15	06-Feb-15	18-Feb-15	-162	0	0%
Pier Works - E1D (E1a1)											
SE1A1	E1D (E1a1) - Type 4B Pier Temp. Support Platform & Scaffold (1st Lift)	6	10-Aug-15	0%	6	17-Aug-15	19-Jan-16	26-Jan-16	127	0	0%
SE1A1	E1D (E1a1) - Type 4B Pier Rebarwork, Formwork & Prep (1st Lift)	3	18-Aug-15	0%	3	21-Aug-15	26-Jan-16	29-Jan-16	127	0	0%
SE1A1	E1D (E1a1) - Type 4B Pier Concreting, Curing & Striking, CJ prep (1st Lift)	3	22-Aug-15	0%	3	25-Aug-15	29-Jan-16	02-Feb-16	127	0	0%
SE1A1	E1D (E1a1) - Type 4B Pier Scaffolding (2nd Lift)	2	26-Aug-15	0%	2	27-Aug-15	02-Feb-16	04-Feb-16	127	0	0%
SE1A1	E1D (E1a1) - Type 4B Pier Rebarwork, Formwork & Prep (2nd Lift)	5	28-Aug-15	0%	5	02-Sep-15	04-Feb-16	13-Feb-16	127	0	0%
SE1A1	E1D (E1a1) - Type 4B Pier Concreting, Curing & Striking, CJ prep (2nd Lift)	3	03-Sep-15	0%	3	05-Sep-15	13-Feb-16	17-Feb-16	127	0	0%
SE1A1	E1D (E1a1) - Type 4B Pier Head Scaffolding	4	07-Sep-15	0%	4	11-Sep-15	17-Feb-16	22-Feb-16	127	0	0%
SE1A1	E1D (E1a1) - Type 4B Pier Head Rebarwork, Formwork & Prep	10	12-Sep-15	0%	10	24-Sep-15	22-Feb-16	04-Mar-16	127	0	0%
Pier Head Segments - E1A, E1B, E1C & E1D											
Pier Head Segments - E1A (E1a4)											
SE1A4	E1A (E1a4) - Pier Head Segment - Temporary Platform	2	01-Jun-15 A	100%	0	05-Jun-15 A					100%
SE1A4	E1A (E1a4) - Pier Head Segment Lift & Fix (1 seg)	2	22-Jun-15	0%	2	24-Jun-15	25-Nov-14	27-Nov-14	-158	0	0%
SE1A4	E1A (E1a4) - Pier Head Segment Diaphragm - Rebar	13	26-Jun-15	0%	13	11-Jul-15	27-Nov-14	11-Dec-14	-158	0	0%
SE1A4	E1A (E1a4) - Pier Head Segment Diaphragm - Formwork & Prep for Concreti	8	11-Jul-15	0%	8	22-Jul-15	12-Dec-14	20-Dec-14	-158	0	0%
SE1A4	E1A (E1a4) - Pier Head Segment Diaphragm - Concreting	2	22-Jul-15	0%	2	24-Jul-15	22-Dec-14	23-Dec-14	-158	0	0%
SE1A4	E1A (E1a4) - Pier Head Segment Diaphragm - Curing & Striking of Forms	6	24-Jul-15	0%	6	01-Aug-15	24-Dec-14	02-Jan-15	-158	0	0%
Pier Head Segments - E1B (E1a3)											
SE1A3	E1B (E1a3) - Pier Head Segment - Temporary Platform	2	03-Jul-15	0%	2	04-Jul-15	19-Mar-15	21-Mar-15	-73	0	0%
SE1A3	E1B (E1a3) - Pier Head Segment Lift & Fix (1 seg)	2	06-Jul-15	0%	2	07-Jul-15	21-Mar-15	24-Mar-15	-73	0	0%
SE1A3	E1B (E1a3) - Pier Head Segment Diaphragm - Rebar	12	08-Jul-15	0%	12	22-Jul-15	24-Mar-15	11-Apr-15	-73	0	0%
SE1A3	E1B (E1a3) - Pier Head Segment Diaphragm - Formwork & Prep for Concreti	8	23-Jul-15	0%	8	01-Aug-15	11-Apr-15	22-Apr-15	-73	0	0%
SE1A3	E1B (E1a3) - Pier Head Segment Diaphragm - Concreting	3	03-Aug-15	0%	3	05-Aug-15	22-Apr-15	25-Apr-15	-73	0	0%
SE1A3	E1B (E1a3) - Pier Head Segment Diaphragm - Curing & Striking of Forms	6	05-Aug-15	0%	6	13-Aug-15	27-Apr-15	04-May-15	-73	0	0%
E2A, E2B, E2C & E2D (E1b1-2-3-4)											
Pile Cap Works - E2A, E2B, E2C & E2D											
Pile Cap Works - E2B (E1b3)											
SE1B3	E2B (E1b3) - Marine Pile Cap M1 - Pile cut down	8	18-May-15 A	25%	6	30-Jun-15	21-Oct-14	28-Oct-14	-187	0	20%
SE1B3	E2B (E1b3) - Marine Pile Cap M1 - Rebar fixing, inst.inserts etc	18	02-Jul-15	0%	18	23-Jul-15	28-Oct-14	19-Nov-14	-187	0	0%
SE1B3	E2B (E1b3) - Marine Pile Cap M1 - Concreting	1	24-Jul-15	0%	1	24-Jul-15	19-Nov-14	20-Nov-14	-187	0	0%
SE1B3	E2B (E1b3) - Marine Pile Cap M1 - Curing incl. CJ Preparation	6	25-Jul-15	0%	6	01-Aug-15	20-Nov-14	27-Nov-14	-187	0	0%
Pier Works - E2A, E2B, E2C & E2D											
Pier Works - E2A (E1b4)											
SE1B4	E2A (E1b4) - Type 4B Pier Rebarwork, Formwork & Prep (1st Lift)	4	18-Apr-15 A	100%	0	26-May-15 A					100%
SE1B4	E2A (E1b4) - Type 4B Pier Concreting, Curing & Striking, CJ prep (1st Lift)	3	27-May-15 A	100%	0	03-Jun-15 A					100%



Actual Work
Planned Bar
Critical Bar
Milestone

Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

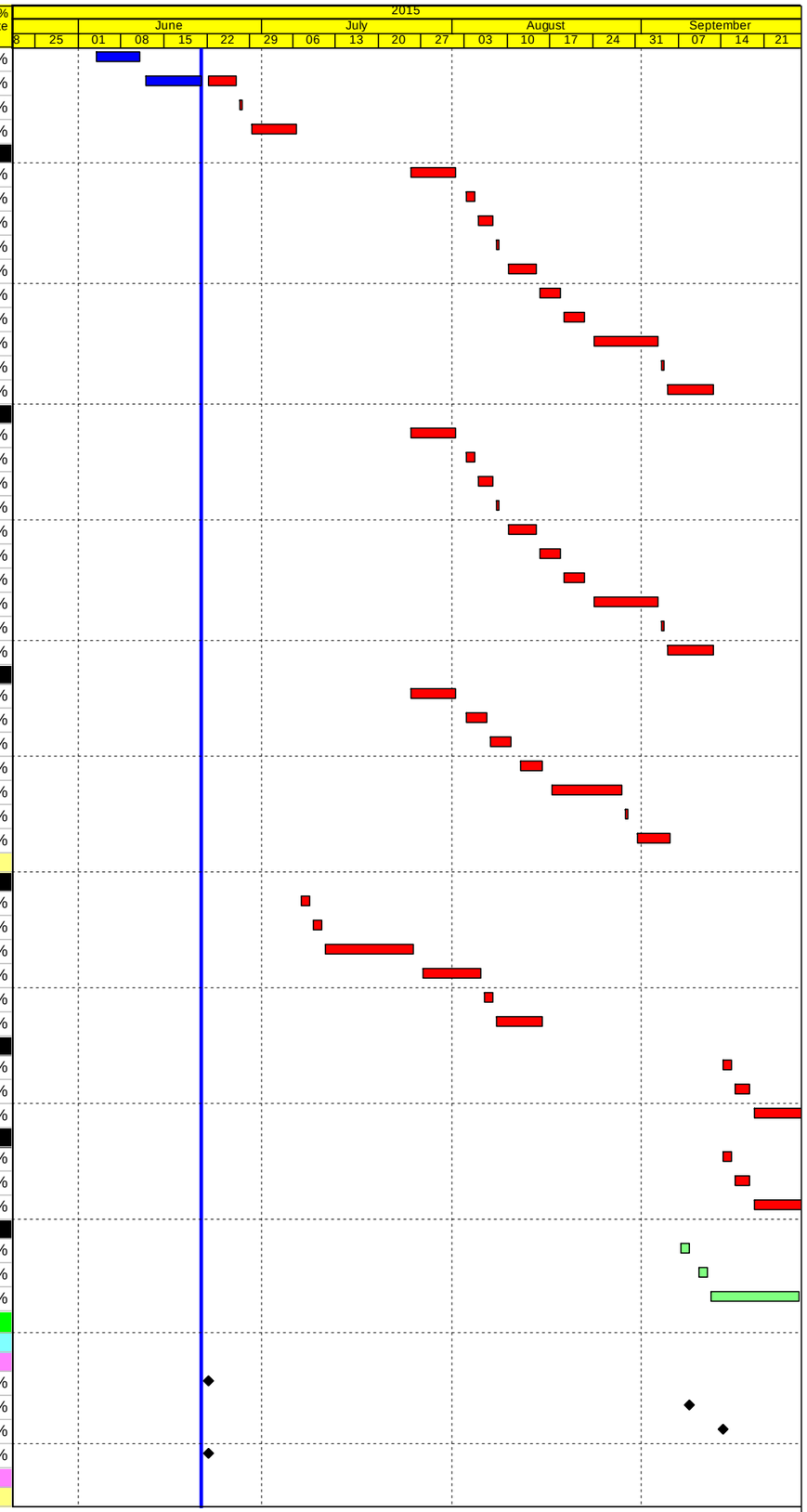
Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 23 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:

J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
SE1B4	E2A (E1b4) - Type 4B Pier Head Scaffolding	4	04-Jun-15 A	100%	0	11-Jun-15 A					100%
SE1B4	E2A (E1b4) - Type 4B Pier Head Rebarwork, Formwork & Prep	10	12-Jun-15 A	70%	3	26-Jun-15	03-Dec-14	05-Dec-14	-151	0	70%
SE1B4	E2A (E1b4) - Type 4B Pier Head Concreting	1	27-Jun-15	0%	1	27-Jun-15	06-Dec-14	06-Dec-14	-151	0	0%
SE1B4	E2A (E1b4) - Type 4B Pier Head Curing/Striking of Forms/Remove Scaffoldir	6	29-Jun-15	0%	6	06-Jul-15	08-Dec-14	13-Dec-14	-151	0	0%
Pier Works - E2B (E1b3)											
SE1B3	E2B (E1b3) - Type 4B Pier Temp. Support Platform & Scaffold (1st Lift)	6	25-Jul-15	0%	6	01-Aug-15	20-Nov-14	27-Nov-14	-187	0	0%
SE1B3	E2B (E1b3) - Type 4B Pier Rebarwork, Formwork & Prep (1st Lift)	2	03-Aug-15	0%	2	04-Aug-15	27-Nov-14	29-Nov-14	-187	0	0%
SE1B3	E2B (E1b3) - Type 4B Pier Concreting, Curing & Striking, CJ prep (1st Lift)	3	05-Aug-15	0%	3	07-Aug-15	29-Nov-14	03-Dec-14	-187	0	0%
SE1B3	E2B (E1b3) - Type 4B Pier Scaffolding (2nd Lift)	1	08-Aug-15	0%	1	08-Aug-15	03-Dec-14	04-Dec-14	-187	0	0%
SE1B3	E2B (E1b3) - Type 4B Pier Rebarwork, Formwork & Prep (2nd Lift)	4	10-Aug-15	0%	4	14-Aug-15	04-Dec-14	09-Dec-14	-187	0	0%
SE1B3	E2B (E1b3) - Type 4B Pier Concreting, Curing & Striking, CJ prep (2nd Lift)	3	15-Aug-15	0%	3	18-Aug-15	09-Dec-14	12-Dec-14	-187	0	0%
SE1B3	E2B (E1b3) - Type 4B Pier Head Scaffolding	3	19-Aug-15	0%	3	22-Aug-15	12-Dec-14	16-Dec-14	-187	0	0%
SE1B3	E2B (E1b3) - Type 4B Pier Head Rebarwork, Formwork & Prep	10	24-Aug-15	0%	10	03-Sep-15	16-Dec-14	30-Dec-14	-187	0	0%
SE1B3	E2B (E1b3) - Type 4B Pier Head Concreting	1	04-Sep-15	0%	1	04-Sep-15	30-Dec-14	31-Dec-14	-187	0	0%
SE1B3	E2B (E1b3) - Type 4B Pier Head Curing/Striking of Forms/Remove Scaffoldir	6	05-Sep-15	0%	6	12-Sep-15	31-Dec-14	08-Jan-15	-187	0	0%
Pier Works - E2C (E1b1)											
SE1B1	E2C (E1b1) - Type 4B Pier Temp. Support Platform & Scaffold (1st Lift)	6	25-Jul-15	0%	6	01-Aug-15	15-Dec-14	20-Dec-14	-166	0	0%
SE1B1	E2C (E1b1) - Type 4B Pier Rebarwork, Formwork & Prep (1st Lift)	2	03-Aug-15	0%	2	04-Aug-15	22-Dec-14	23-Dec-14	-166	0	0%
SE1B1	E2C (E1b1) - Type 4B Pier Concreting, Curing & Striking, CJ prep (1st Lift)	3	05-Aug-15	0%	3	07-Aug-15	24-Dec-14	29-Dec-14	-166	0	0%
SE1B1	E2C (E1b1) - Type 4B Pier Scaffolding (2nd Lift)	1	08-Aug-15	0%	1	08-Aug-15	30-Dec-14	30-Dec-14	-166	0	0%
SE1B1	E2C (E1b1) - Type 4B Pier Rebarwork, Formwork & Prep (2nd Lift)	4	10-Aug-15	0%	4	14-Aug-15	31-Dec-14	05-Jan-15	-166	0	0%
SE1B1	E2C (E1b1) - Type 4B Pier Concreting, Curing & Striking, CJ prep (2nd Lift)	3	15-Aug-15	0%	3	18-Aug-15	06-Jan-15	08-Jan-15	-166	0	0%
SE1B1	E2C (E1b1) - Type 4B Pier Head Scaffolding	3	19-Aug-15	0%	3	22-Aug-15	09-Jan-15	12-Jan-15	-166	0	0%
SE1B1	E2C (E1b1) - Type 4B Pier Head Rebarwork, Formwork & Prep	10	24-Aug-15	0%	10	03-Sep-15	13-Jan-15	23-Jan-15	-166	0	0%
SE1B1	E2C (E1b1) - Type 4B Pier Head Concreting	1	04-Sep-15	0%	1	04-Sep-15	24-Jan-15	24-Jan-15	-166	0	0%
SE1B1	E2C (E1b1) - Type 4B Pier Head Curing/Striking of Forms/Remove Scaffoldir	6	05-Sep-15	0%	6	12-Sep-15	26-Jan-15	31-Jan-15	-166	0	0%
Pier Works - E2D (E1b2)											
SE1B2	E2D (E1b2) - Type 4B Pier Temp. Support Platform & Scaffold (1st Lift)	6	25-Jul-15	0%	6	01-Aug-15	02-Feb-15	07-Feb-15	-127	0	0%
SE1B2	E2D (E1b2) - Type 4B Pier Rebarwork, Formwork & Prep (1st Lift)	4	03-Aug-15	0%	4	06-Aug-15	09-Feb-15	12-Feb-15	-127	0	0%
SE1B2	E2D (E1b2) - Type 4B Pier Concreting, Curing & Striking, CJ prep (1st Lift)	3	07-Aug-15	0%	3	10-Aug-15	13-Feb-15	16-Feb-15	-127	0	0%
SE1B2	E2D (E1b2) - Type 4B Pier Head Scaffolding	4	12-Aug-15	0%	4	15-Aug-15	17-Feb-15	24-Feb-15	-127	0	0%
SE1B2	E2D (E1b2) - Type 4B Pier Head Rebarwork, Formwork & Prep	10	17-Aug-15	0%	10	28-Aug-15	25-Feb-15	07-Mar-15	-127	0	0%
SE1B2	E2D (E1b2) - Type 4B Pier Head Concreting	1	29-Aug-15	0%	1	29-Aug-15	09-Mar-15	09-Mar-15	-127	0	0%
SE1B2	E2D (E1b2) - Type 4B Pier Head Curing/Striking of Forms/Remove Scaffoldir	6	31-Aug-15	0%	6	05-Sep-15	10-Mar-15	16-Mar-15	-127	0	0%
Pier Head Segments - E2A, E2B, E2C & E2D											
Pier Head Segments - E2A (E1b4)											
SE1B4	E2A (E1b4) - Pier Head Segment - Temporary Platform	2	07-Jul-15	0%	2	08-Jul-15	15-Dec-14	16-Dec-14	-151	0	0%
SE1B4	E2A (E1b4) - Pier Head Segment Lift & Fix (1 seg)	2	09-Jul-15	0%	2	10-Jul-15	17-Dec-14	18-Dec-14	-151	0	0%
SE1B4	E2A (E1b4) - Pier Head Segment Diaphragm - Rebar	12	11-Jul-15	0%	12	25-Jul-15	19-Dec-14	05-Jan-15	-151	0	0%
SE1B4	E2A (E1b4) - Pier Head Segment Diaphragm - Formwork & Prep for Concreti	8	27-Jul-15	0%	8	05-Aug-15	06-Jan-15	14-Jan-15	-151	0	0%
SE1B4	E2A (E1b4) - Pier Head Segment Diaphragm - Concreting	2	06-Aug-15	0%	2	07-Aug-15	15-Jan-15	16-Jan-15	-151	0	0%
SE1B4	E2A (E1b4) - Pier Head Segment Diaphragm - Curing & Striking of Forms	6	08-Aug-15	0%	6	15-Aug-15	17-Jan-15	23-Jan-15	-151	0	0%
Pier Head Segments - E2B (E1b3)											
SE1B3	E2B (E1b3) - Pier Head Segment - Temporary Platform	2	14-Sep-15	0%	2	15-Sep-15	08-Jan-15	10-Jan-15	-187	0	0%
SE1B3	E2B (E1b3) - Pier Head Segment Lift & Fix (1 seg)	2	16-Sep-15	0%	2	18-Sep-15	10-Jan-15	13-Jan-15	-187	0	0%
SE1B3	E2B (E1b3) - Pier Head Segment Diaphragm - Rebar	12	19-Sep-15	0%	12	05-Oct-15	13-Jan-15	27-Jan-15	-187	0	0%
Pier Head Segments - E2C (E1b2)											
SE1B2	E2C (E1b2) - Pier Head Segment - Temporary Platform	2	14-Sep-15	0%	2	15-Sep-15	02-Feb-15	03-Feb-15	-166	0	0%
SE1B2	E2C (E1b2) - Pier Head Segment Lift & Fix (1 seg)	2	16-Sep-15	0%	2	18-Sep-15	04-Feb-15	05-Feb-15	-166	0	0%
SE1B2	E2C (E1b2) - Pier Head Segment Diaphragm - Rebar	13	19-Sep-15	0%	13	06-Oct-15	06-Feb-15	24-Feb-15	-166	0	0%
Pier Head Segments - E2D (E1b1)											
SE1B1	E2D (E1b1) - Pier Head Segment - Temporary Platform	2	07-Sep-15	0%	2	08-Sep-15	23-Feb-16	24-Feb-16	132	0	0%
SE1B1	E2D (E1b1) - Pier Head Segment Lift & Fix (1 seg)	2	10-Sep-15	0%	2	11-Sep-15	25-Feb-16	27-Feb-16	133	0	0%
SE1B1	E2D (E1b1) - Pier Head Segment Diaphragm - Rebar	12	12-Sep-15	0%	12	26-Sep-15	29-Feb-16	12-Mar-16	133	0	0%
Viaduct E2											
Bridge E2 - Piling & Substructure											
Milestones											
GFXX07	E5 (E2c) - Completion of piling works	0		0%	0	22-Jun-15		24-Mar-15	-69	0	0%
GFXX07	E6 (E2d) - Completion of piling works	0		0%	0	08-Sep-15		27-Jun-15	-61	1	0%
GFXX07	E7 (E2e) - Completion of piling works	0		0%	0	14-Sep-15		03-Jun-15	-85	0	0%
GFXX07	E8 (E2f) - Completion of piling works	0		0%	0	22-Jun-15		07-Jul-15	13	88	0%
E3A,E3B, E3C & E3D (E2a - 1/2/3/4)											
Pile Cap Works - E3A,E3B, E3C & E3D											



Actual Work
Planned Bar
Critical Bar
Milestone

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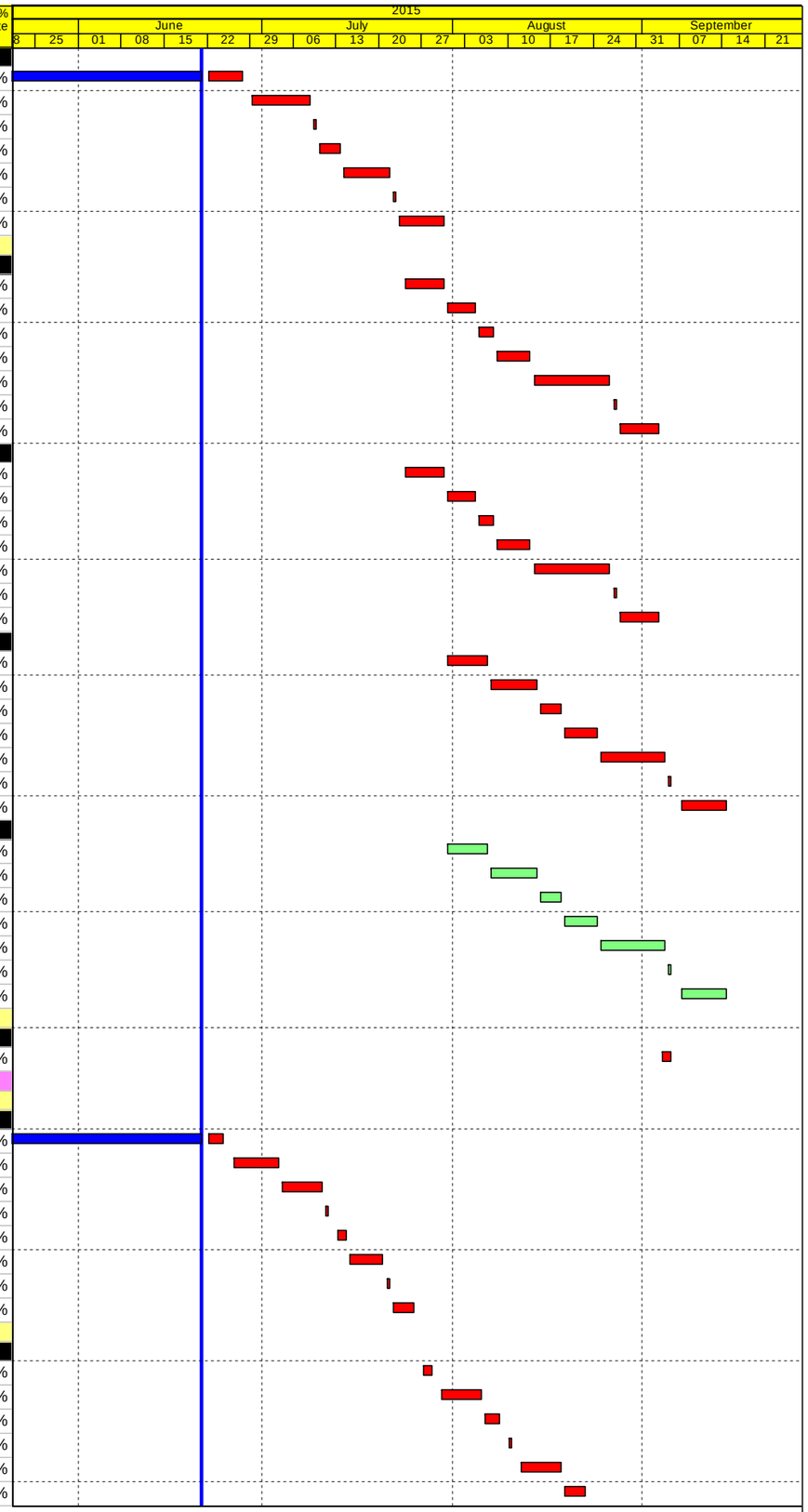
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 24 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
Pile Cap Works											
SE2A1	E3 (E2a1/2/3/4)- Marine Pile Cap - Pile cut down 6nr	9	11-May-15 A	55.56%	4	27-Jun-15	30-Oct-14	03-Nov-14	-180	0	95%
SE2A1	E3 (E2a1/2/3/4)- Marine Pile Cap - Rebar fixing (1st pour)	8	29-Jun-15	0%	8	08-Jul-15	04-Nov-14	12-Nov-14	-180	0	0%
SE2A1	E3 (E2a1/2/3/4)- Marine Pile Cap - Concreting (First pour)	1	09-Jul-15	0%	1	09-Jul-15	13-Nov-14	13-Nov-14	-180	0	0%
SE2A1	E3 (E2a1/2/3/4)- Marine Pile Cap - CJ preparation	3	10-Jul-15	0%	3	13-Jul-15	14-Nov-14	17-Nov-14	-180	0	0%
SE2A1	E3 (E2a1/2/3/4)- Marine Pile Cap - Rebar fixing (Final pour)	6	14-Jul-15	0%	6	21-Jul-15	18-Nov-14	24-Nov-14	-180	0	0%
SE2A1	E3 (E2a1/2/3/4)- Marine Pile Cap - Concreting (Final pour)	1	22-Jul-15	0%	1	22-Jul-15	25-Nov-14	25-Nov-14	-180	0	0%
SE2A1	E3 (E2a1/2/3/4)- Marine Pile Cap - Curing incl. CJ preparation	6	23-Jul-15	0%	6	30-Jul-15	26-Nov-14	02-Dec-14	-180	0	0%
Pier Works - E3A,E3B, E3C & E3D											
Pier Works - E3A (E2a4)											
SE2A4	E3A (E2a4) - Type 4B-MJ Pier Temp. Support Platform & Scaffold (1st Lift)	5	24-Jul-15	0%	5	30-Jul-15	27-Nov-14	02-Dec-14	-180	0	0%
SE2A4	E3A (E2a4) - Type 4B-MJ Pier Rebarwork, Formwork & Prep (1st Lift)	4	31-Jul-15	0%	4	04-Aug-15	03-Dec-14	06-Dec-14	-180	0	0%
SE2A4	E3A (E2a4) - Type 4B-MJ Pier Concreting, Curing & Striking, CJ prep (1st Lif	3	05-Aug-15	0%	3	07-Aug-15	08-Dec-14	10-Dec-14	-180	0	0%
SE2A4	E3A (E2a4) - Type 4B-MJ Pier Head Scaffolding	4	08-Aug-15	0%	4	13-Aug-15	11-Dec-14	15-Dec-14	-180	0	0%
SE2A4	E3A (E2a4) - Type 4B-MJ Pier Head Rebarwork, Formwork & Prep	10	14-Aug-15	0%	10	26-Aug-15	16-Dec-14	29-Dec-14	-180	0	0%
SE2A4	E3A (E2a4) - Type 4B-MJ Pier Head Concreting	1	27-Aug-15	0%	1	27-Aug-15	30-Dec-14	30-Dec-14	-180	0	0%
SE2A4	E3A (E2a4) - Type 4B-MJ Pier Head Curing/Striking of Forms/Remove Scaff	6	28-Aug-15	0%	6	03-Sep-15	31-Dec-14	07-Jan-15	-180	0	0%
Pier Works - E3B (E2a3)											
SE2A3	E3B (E2a3) - Type 4B-MJ Pier Temp. Support Platform & Scaffold (1st Lift)	5	24-Jul-15	0%	5	30-Jul-15	20-Dec-14	27-Dec-14	-160	0	0%
SE2A3	E3B (E2a3) - Type 4B-MJ Pier Rebarwork, Formwork & Prep (1st Lift)	4	31-Jul-15	0%	4	04-Aug-15	29-Dec-14	02-Jan-15	-160	0	0%
SE2A3	E3B (E2a3) - Type 4B-MJ Pier Concreting, Curing & Striking, CJ prep (1st Lif	3	05-Aug-15	0%	3	07-Aug-15	03-Jan-15	06-Jan-15	-160	0	0%
SE2A3	E3B (E2a3) - Type 4B-MJ Pier Head Scaffolding	4	08-Aug-15	0%	4	13-Aug-15	07-Jan-15	10-Jan-15	-160	0	0%
SE2A3	E3B (E2a3) - Type 4B-MJ Pier Head Rebarwork, Formwork & Prep	10	14-Aug-15	0%	10	26-Aug-15	12-Jan-15	22-Jan-15	-160	0	0%
SE2A3	E3B (E2a3) - Type 4B-MJ Pier Head Concreting	1	27-Aug-15	0%	1	27-Aug-15	23-Jan-15	23-Jan-15	-160	0	0%
SE2A3	E3B (E2a3) - Type 4B-MJ Pier Head Curing/Striking of Forms/Remove Scaff	6	28-Aug-15	0%	6	03-Sep-15	24-Jan-15	30-Jan-15	-160	0	0%
Pier Works - E3C (E2a2)											
SE2A2	E3C (E2a2) - Type 4B-MJ Pier Temp. Support Platform & Scaffold (1st Lift)	6	31-Jul-15	0%	6	06-Aug-15	10-Jan-15	16-Jan-15	-150	0	0%
SE2A2	E3C (E2a2) - Type 4B-MJ Pier Rebarwork, Formwork & Prep (1st Lift)	6	07-Aug-15	0%	6	14-Aug-15	17-Jan-15	23-Jan-15	-150	0	0%
SE2A2	E3C (E2a2) - Type 4B-MJ Pier Concreting, Curing & Striking, CJ prep (1st Lif	3	15-Aug-15	0%	3	18-Aug-15	24-Jan-15	27-Jan-15	-150	0	0%
SE2A2	E3C (E2a2) - Type 4B-MJ Pier Head Scaffolding	4	19-Aug-15	0%	4	24-Aug-15	28-Jan-15	31-Jan-15	-150	0	0%
SE2A2	E3C (E2a2) - Type 4B-MJ Pier Head Rebarwork, Formwork & Prep	10	25-Aug-15	0%	10	04-Sep-15	02-Feb-15	12-Feb-15	-150	0	0%
SE2A2	E3C (E2a2) - Type 4B-MJ Pier Head Concreting	1	05-Sep-15	0%	1	05-Sep-15	13-Feb-15	13-Feb-15	-150	0	0%
SE2A2	E3C (E2a2) - Type 4B-MJ Pier Head Curing/Striking of Forms/Remove Scaff	6	07-Sep-15	0%	6	14-Sep-15	14-Feb-15	24-Feb-15	-150	0	0%
Pier Works - E3D (E2a1)											
SE2A1	E3D (E2a1) - Type 4B-MJ Pier Temp. Support Platform & Scaffold (1st Lift)	6	31-Jul-15	0%	6	06-Aug-15	14-Jan-16	20-Jan-16	131	0	0%
SE2A1	E3D (E2a1) - Type 4B-MJ Pier Rebarwork, Formwork & Prep (1st Lift)	6	07-Aug-15	0%	6	14-Aug-15	21-Jan-16	27-Jan-16	131	0	0%
SE2A1	E3D (E2a1) - Type 4B-MJ Pier Concreting, Curing & Striking, CJ prep (1st Lif	3	15-Aug-15	0%	3	18-Aug-15	28-Jan-16	30-Jan-16	131	0	0%
SE2A1	E3D (E2a1) - Type 4B-MJ Pier Head Scaffolding	4	19-Aug-15	0%	4	24-Aug-15	01-Feb-16	04-Feb-16	131	0	0%
SE2A1	E3D (E2a1) - Type 4B-MJ Pier Head Rebarwork, Formwork & Prep	10	25-Aug-15	0%	10	04-Sep-15	05-Feb-16	19-Feb-16	131	0	0%
SE2A1	E3D (E2a1) - Type 4B-MJ Pier Head Concreting	1	05-Sep-15	0%	1	05-Sep-15	20-Feb-16	20-Feb-16	131	0	0%
SE2A1	E3D (E2a1) - Type 4B-MJ Pier Head Curing/Striking of Forms/Remove Scaff	6	07-Sep-15	0%	6	14-Sep-15	22-Feb-16	27-Feb-16	131	0	0%
Pier Head Segements - E3A,E3B, E3C & E3D											
Pier Head Segment - E3A (E2a4)											
SE2A4	E3A (E2a4) - Pier Head Segment - Temporary Platform	2	04-Sep-15	0%	2	05-Sep-15	08-Jan-15	09-Jan-15	-180	45	0%
E4A & E4B (E2b - 1/2)											
Pile Cap Works - E4A & E4B											
Pile Cap Works											
SE2B0	E4 (E2b1/2) - Marine Pile Cap - Dewater precast shell / Remove Lifting Fran	2	11-May-15 A	0%	2	24-Jun-15	12-Nov-14	13-Nov-14	-169	0	95%
SE2B0	E4 (E2b1/2) - Marine Pile Cap - Pile cut down 4nr	6	26-Jun-15	0%	6	03-Jul-15	14-Nov-14	20-Nov-14	-169	0	0%
SE2B0	E4 (E2b1/2) - Marine Pile Cap - Rebar fixing (1st pour)	6	04-Jul-15	0%	6	10-Jul-15	21-Nov-14	27-Nov-14	-169	0	0%
SE2B0	E4 (E2b1/2) - Marine Pile Cap - Concreting (First pour)	1	11-Jul-15	0%	1	11-Jul-15	28-Nov-14	28-Nov-14	-169	0	0%
SE2B0	E4 (E2b1/2) - Marine Pile Cap - CJ preparation	2	13-Jul-15	0%	2	14-Jul-15	29-Nov-14	01-Dec-14	-169	0	0%
SE2B0	E4 (E2b1/2) - Marine Pile Cap - Rebar fixing (Final pour)	4	15-Jul-15	0%	4	20-Jul-15	02-Dec-14	05-Dec-14	-169	0	0%
SE2B0	E4 (E2b1/2) - Marine Pile Cap - Concreting (Final pour)	1	21-Jul-15	0%	1	21-Jul-15	06-Dec-14	06-Dec-14	-169	0	0%
SE2B0	E4 (E2b1/2) - Marine Pile Cap - Curing incl. CJ preparation	4	22-Jul-15	0%	4	25-Jul-15	08-Dec-14	11-Dec-14	-169	0	0%
Pier Works - E4A & E4B											
Pier Works - E4A (E2b2)											
SE2B2	E4A (E2b2) - Seagull Pier Falsework & Scaffolding (1st wall pour)	2	27-Jul-15	0%	2	28-Jul-15	12-Dec-14	13-Dec-14	-169	0	0%
SE2B2	E4A (E2b2) - Seagull Pier Rebar Fixing, Formwork & Prep (1st wall pour)	6	30-Jul-15	0%	6	05-Aug-15	15-Dec-14	20-Dec-14	-169	0	0%
SE2B2	E4A (E2b2) - Seagull Pier Concreting, Curing & Striking, CJ Prep (1st wall pc	3	06-Aug-15	0%	3	08-Aug-15	22-Dec-14	24-Dec-14	-169	0	0%
SE2B2	E4A (E2b2) - Seagull Pier Falsework & Scaffolding (diaphragm slab, 2nd pou	1	10-Aug-15	0%	1	10-Aug-15	27-Dec-14	27-Dec-14	-169	0	0%
SE2B2	E4A (E2b2) - Seagull Pier Rebar Fixing, Formwork & Prep (diaphragm slab, 2	6	12-Aug-15	0%	6	18-Aug-15	29-Dec-14	05-Jan-15	-169	0	0%
SE2B2	E4A (E2b2) - Seagull Pier Concreting, Curing & Striking, CJ Prep (diaphragm	3	19-Aug-15	0%	3	22-Aug-15	06-Jan-15	08-Jan-15	-169	0	0%



Actual Work
Planned Bar
Critical Bar
Milestone

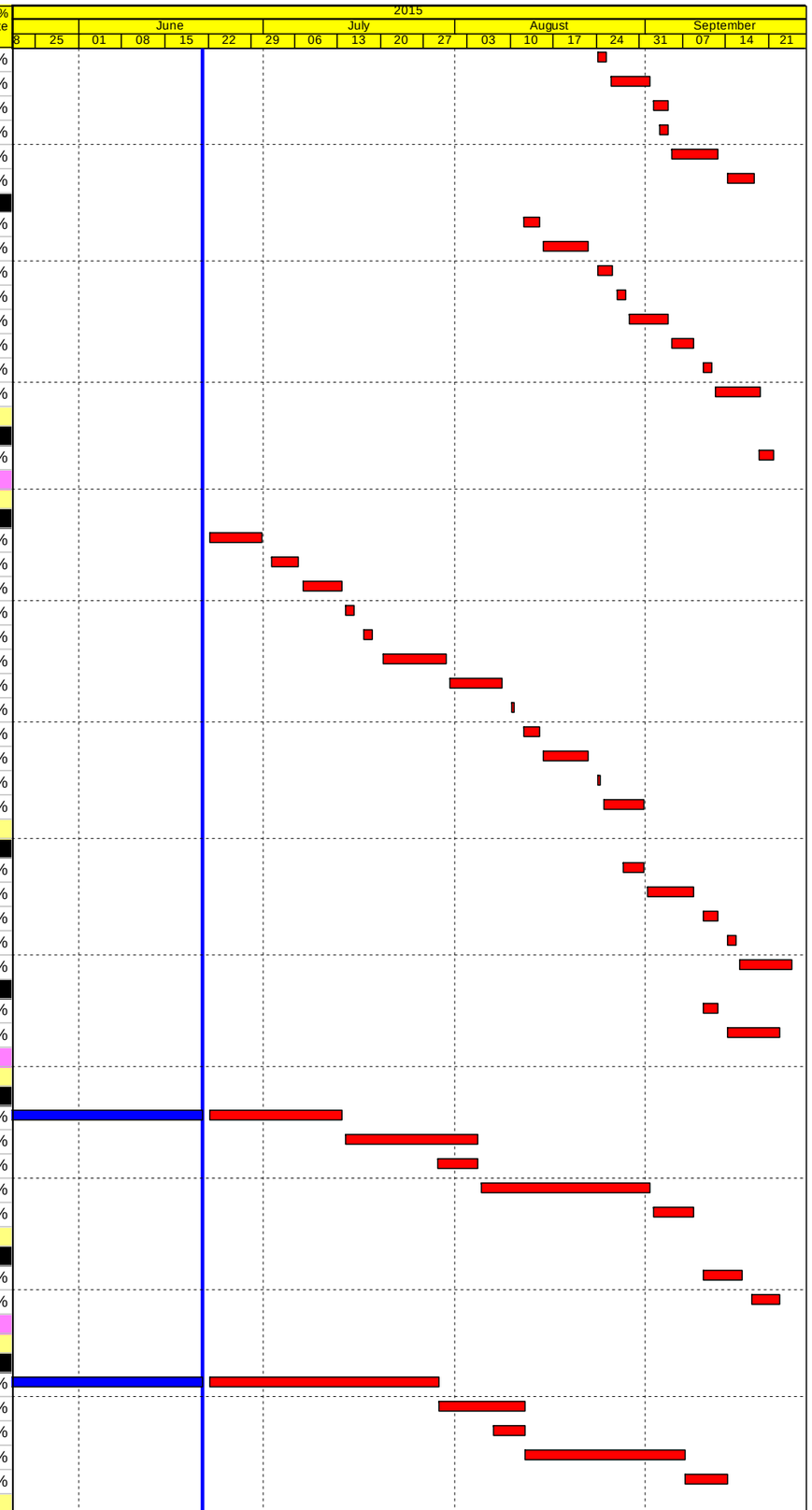
Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 25 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
SE2B2	E4A (E2b2) - Seagull Pier Falsework & Scaffolding (3rd wall pour)	2	24-Aug-15	0%	2	25-Aug-15	09-Jan-15	10-Jan-15	-169	0	0%
SE2B2	E4A (E2b2) - Seagull Pier Rebar Fixing, Formwork & Prep (3rd wall pour)	6	26-Aug-15	0%	6	01-Sep-15	12-Jan-15	17-Jan-15	-169	0	0%
SE2B2	E4A (E2b2) - Seagull Pier Concreting, Curing & Striking, CJ Prep (3rd wall pc	3	02-Sep-15	0%	3	04-Sep-15	19-Jan-15	21-Jan-15	-169	0	0%
SE2B2	E4A (E2b2) - Seagull Pier Falsework & Scaffolding (top slab, 4th pour)	2	03-Sep-15	0%	2	04-Sep-15	20-Jan-15	21-Jan-15	-169	0	0%
SE2B2	E4A (E2b2) - Seagull Pier Rebar Fixing, Formwork & Prep (top slab, 4th pour)	6	05-Sep-15	0%	6	12-Sep-15	22-Jan-15	28-Jan-15	-169	0	0%
SE2B2	E4A (E2b2) - Seagull Pier Concreting, Curing & Striking, CJ Prep (top slab, 4	4	14-Sep-15	0%	4	18-Sep-15	29-Jan-15	02-Feb-15	-169	0	0%
Pier Works - E4B (E2b1)											
SE2B1	E4B (E2b1) - Seagull Pier Falsework & Scaffolding (1st wall pour)	3	12-Aug-15	0%	3	14-Aug-15	26-Jan-15	28-Jan-15	-146	0	0%
SE2B1	E4B (E2b1) - Seagull Pier Rebar Fixing, Formwork & Prep (1st wall pour)	6	15-Aug-15	0%	6	22-Aug-15	29-Jan-15	04-Feb-15	-146	0	0%
SE2B1	E4B (E2b1) - Seagull Pier Concreting, Curing & Striking, CJ Prep (1st wall pc	3	24-Aug-15	0%	3	26-Aug-15	05-Feb-15	07-Feb-15	-146	0	0%
SE2B1	E4B (E2b1) - Seagull Pier Falsework & Scaffolding (diaphragm slab, 2nd pou	2	27-Aug-15	0%	2	28-Aug-15	09-Feb-15	10-Feb-15	-146	0	0%
SE2B1	E4B (E2b1) - Seagull Pier Rebar Fixing, Formwork & Prep (diaphragm slab, 2	6	29-Aug-15	0%	6	04-Sep-15	11-Feb-15	17-Feb-15	-146	0	0%
SE2B1	E4B (E2b1) - Seagull Pier Concreting, Curing & Striking, CJ Prep (diaphragm	3	05-Sep-15	0%	3	08-Sep-15	18-Feb-15	24-Feb-15	-146	0	0%
SE2B1	E4B (E2b1) - Seagull Pier Falsework & Scaffolding (3rd wall pour)	2	10-Sep-15	0%	2	11-Sep-15	25-Feb-15	26-Feb-15	-146	0	0%
SE2B1	E4B (E2b1) - Seagull Pier Rebar Fixing, Formwork & Prep (3rd wall pour)	6	12-Sep-15	0%	6	19-Sep-15	27-Feb-15	05-Mar-15	-146	0	0%
Pier Head Segements - E4A & E4B											
Pier head Segment - E4A (E2b2)											
SE2B2	E4A (E2b2) - Pier Head Segment - Temporary Platform	2	19-Sep-15	0%	2	21-Sep-15	03-Feb-15	04-Feb-15	-169	0	0%
E5A & E5B (E2c - 1/2)											
Pile Cap Works - E5A & E5B											
Pile Cap Works											
SE2C0	E5 (E2c1/2) - Marine Pile Cap - Inst.Floating Seal & Casing Head Steelwork	6	22-Jun-15	0%	6	30-Jun-15	25-Mar-15	31-Mar-15	-61	0	0%
SE2C0	E5 (E2c1/2) - Marine Pile Cap - Install precast shell in position (3 units)	4	02-Jul-15	0%	4	06-Jul-15	01-Apr-15	09-Apr-15	-61	0	0%
SE2C0	E5 (E2c1/2) - Marine Pile Cap - Inst.Access & make Watertight	6	07-Jul-15	0%	6	13-Jul-15	10-Apr-15	17-Apr-15	-61	0	0%
SE2C0	E5 (E2c1/2) - Marine Pile Cap - Weld Fin Plates / Plug Rebar & Concrete	2	14-Jul-15	0%	2	15-Jul-15	18-Apr-15	20-Apr-15	-61	0	0%
SE2C0	E5 (E2c1/2) - Marine Pile Cap - Dewater precast shell / Remove Lifting Frame	2	17-Jul-15	0%	2	18-Jul-15	21-Apr-15	22-Apr-15	-61	0	0%
SE2C0	E5 (E2c1/2) - Marine Pile Cap - Pile cut down 4nr	9	20-Jul-15	0%	9	30-Jul-15	24-Apr-15	05-May-15	-61	0	0%
SE2C0	E5 (E2c1/2) - Marine Pile Cap - Rebar fixing (1st pour)	8	31-Jul-15	0%	8	08-Aug-15	06-May-15	15-May-15	-61	0	0%
SE2C0	E5 (E2c1/2) - Marine Pile Cap - Concreting (First pour)	1	10-Aug-15	0%	1	10-Aug-15	16-May-15	16-May-15	-61	0	0%
SE2C0	E5 (E2c1/2) - Marine Pile Cap - CJ preparation	3	12-Aug-15	0%	3	14-Aug-15	18-May-15	20-May-15	-61	0	0%
SE2C0	E5 (E2c1/2) - Marine Pile Cap - Rebar fixing (Final pour)	6	15-Aug-15	0%	6	22-Aug-15	22-May-15	29-May-15	-61	0	0%
SE2C0	E5 (E2c1/2) - Marine Pile Cap - Concreting (Final pour)	1	24-Aug-15	0%	1	24-Aug-15	30-May-15	30-May-15	-61	0	0%
SE2C0	E5 (E2c1/2) - Marine Pile Cap - Curing incl. CJ preparation	6	25-Aug-15	0%	6	31-Aug-15	01-Jun-15	08-Jun-15	-61	0	0%
Pier Works - E5A & E5B											
Pier Works - E5A (E2c2)											
SE2C2	E5A (E2c2) - Seagull Pier Falsework & Scaffolding (1st wall pour)	3	28-Aug-15	0%	3	31-Aug-15	05-Jun-15	08-Jun-15	-61	0	0%
SE2C2	E5A (E2c2) - Seagull Pier Rebar Fixing, Formwork & Prep (1st wall pour)	7	01-Sep-15	0%	7	08-Sep-15	10-Jun-15	19-Jun-15	-61	0	0%
SE2C2	E5A (E2c2) - Seagull Pier Concreting, Curing & Striking, CJ Prep (1st wall pc	3	10-Sep-15	0%	3	12-Sep-15	26-Jun-15	29-Jun-15	-59	0	0%
SE2C2	E5A (E2c2) - Seagull Pier Falsework & Scaffolding (diaphragm slab, 2nd pou	2	14-Sep-15	0%	2	15-Sep-15	30-Jun-15	02-Jul-15	-59	0	0%
SE2C2	E5A (E2c2) - Seagull Pier Rebar Fixing, Formwork & Prep (diaphragm slab, 2	7	16-Sep-15	0%	7	24-Sep-15	03-Jul-15	10-Jul-15	-59	0	0%
Pier Works - E5B (E2c1)											
SE2C1	E5B (E2c1) - Seagull Pier Falsework & Scaffolding (1st wall pour)	3	10-Sep-15	0%	3	12-Sep-15	22-Jun-15	26-Jun-15	-61	0	0%
SE2C1	E5B (E2c1) - Seagull Pier Rebar Fixing, Formwork & Prep (1st wall pour)	7	14-Sep-15	0%	7	22-Sep-15	27-Jun-15	06-Jul-15	-61	0	0%
E6A & E6B (E2d - 1/2)											
Foundation Works - E6A & E6B											
Foundation Works											
GFXX0	E6 (E2d) - Bored Piles (2.50m dia. x 4 nr)	72	10-Feb-15 A	75%	18	13-Jul-15	08-Apr-15	28-Apr-15	-61	0	75%
GFXX0	E6 (E2d) - Sonic & Interface Coring	19	14-Jul-15	0%	19	04-Aug-15	29-Apr-15	21-May-15	-61	0	0%
GFXX0	E6 (E2d) - Selection of bored pile for Full Depth Coring	6	29-Jul-15	0%	6	04-Aug-15	15-May-15	21-May-15	-61	0	0%
GFXX0	E6 (E2d) - Bored Pile Full Depth Coring & Testing	24	05-Aug-15	0%	24	01-Sep-15	22-May-15	19-Jun-15	-61	0	0%
GFXX0	E6 (E2d) - Dismantle Temporary Removable Piling Platform	6	02-Sep-15	0%	6	08-Sep-15	22-Jun-15	27-Jun-15	-61	0	0%
Pile Cap Works - E6A & E6B											
Pile Cap Works											
SE2D0	E6 (E2d1/2) - Marine Pile Cap - Inst.Floating Seal & Casing Head Steelwork	6	10-Sep-15	0%	6	16-Sep-15	29-Jun-15	06-Jul-15	-57	0	0%
SE2D0	E6 (E2d1/2) - Marine Pile Cap - Install precast shell in position (3 units)	4	18-Sep-15	0%	4	22-Sep-15	07-Jul-15	10-Jul-15	-57	0	0%
E7A & E7B (E2e - 1/2)											
Foundation Works - E7A & E7B											
Foundation Works											
GFXX0	E7 (E2e) - Bored Piles (2.50m dia. x 4 nr)	78	10-Feb-15 A	60%	31	29-Jul-15	05-Mar-15	15-Apr-15	-85	0	60%
GFXX0	E7 (E2e) - Sonic & Interface Coring	12	29-Jul-15	0%	12	12-Aug-15	16-Apr-15	29-Apr-15	-85	0	0%
GFXX0	E7 (E2e) - Selection of bored pile for Full Depth Coring	4	07-Aug-15	0%	4	12-Aug-15	25-Apr-15	29-Apr-15	-85	0	0%
GFXX0	E7 (E2e) - Bored Pile Full Depth Coring & Testing	22	12-Aug-15	0%	22	07-Sep-15	30-Apr-15	27-May-15	-85	0	0%
GFXX0	E7 (E2e) - Dismantle Temporary Removable Piling Platform	6	07-Sep-15	0%	6	14-Sep-15	28-May-15	03-Jun-15	-85	0	0%
Pile Cap Works - E7A & E7B											



Actual Work
Planned Bar
Critical Bar
Milestone

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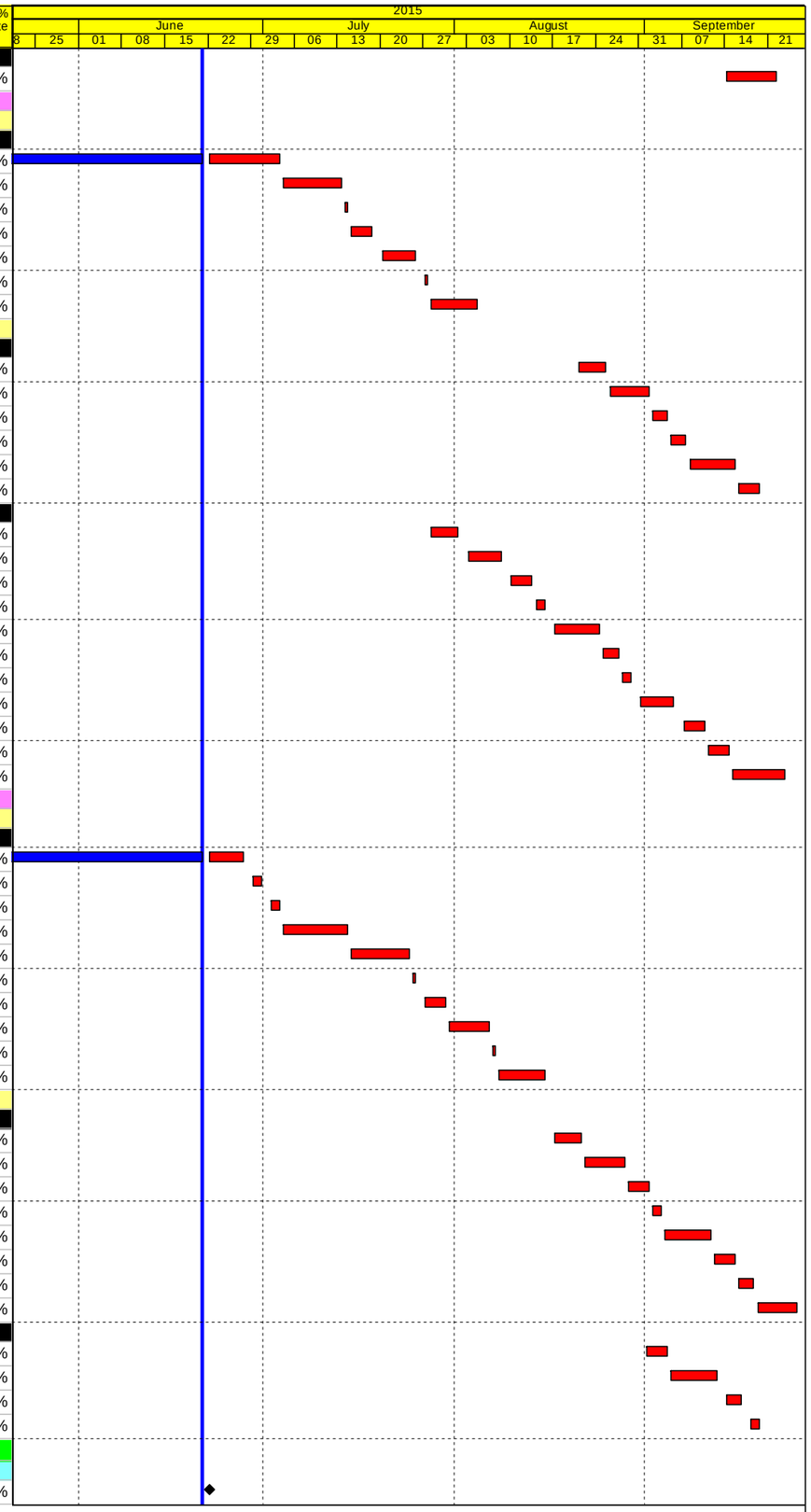
Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
Pile Cap Works											
SE2E0	E7 (E2e1/2) - Marine Pile Cap - Inst.Floating Seal & Casing Head Steelwork	6	14-Sep-15	0%	6	22-Sep-15	04-Jun-15	12-Jun-15	-75	0	0%
E9A & E9B (E2g - 1/2)											
Pile Cap Works - E9A & E9B											
Pile Cap Works											
SE2G0	E9 (E2g1/2) - Marine Pile Cap - Pile cut down 6nr	9	14-May-15 A	11.11%	8	03-Jul-15	12-Dec-14	20-Dec-14	-143	0	10%
SE2G0	E9 (E2g1/2) - Marine Pile Cap - Rebar fixing (1st pour)	8	04-Jul-15	0%	8	13-Jul-15	22-Dec-14	02-Jan-15	-143	0	0%
SE2G0	E9 (E2g1/2) - Marine Pile Cap - Concreting (First pour)	1	14-Jul-15	0%	1	14-Jul-15	03-Jan-15	03-Jan-15	-143	0	0%
SE2G0	E9 (E2g1/2) - Marine Pile Cap - CJ preparation	3	15-Jul-15	0%	3	18-Jul-15	05-Jan-15	07-Jan-15	-143	0	0%
SE2G0	E9 (E2g1/2) - Marine Pile Cap - Rebar fixing (Final pour)	6	20-Jul-15	0%	6	25-Jul-15	08-Jan-15	14-Jan-15	-143	0	0%
SE2G0	E9 (E2g1/2) - Marine Pile Cap - Concreting (Final pour)	1	27-Jul-15	0%	1	27-Jul-15	15-Jan-15	15-Jan-15	-143	0	0%
SE2G0	E9 (E2g1/2) - Marine Pile Cap - Curing incl. CJ preparation	6	28-Jul-15	0%	6	04-Aug-15	16-Jan-15	22-Jan-15	-143	0	0%
Pier Works - E9A & E9B											
Pier Works - E9A (E2g2)											
SE2G2	E9A (E2g2) - Seagull Pier Falsework & Scaffolding (1st wall pour)	4	21-Aug-15	0%	4	25-Aug-15	17-Apr-15	21-Apr-15	-91	0	0%
SE2G2	E9A (E2g2) - Seagull Pier Rebar Fixing, Formwork & Prep (1st wall pour)	6	26-Aug-15	0%	6	01-Sep-15	22-Apr-15	29-Apr-15	-91	0	0%
SE2G2	E9A (E2g2) - Seagull Pier Concreting, Curing & Striking, CJ Prep (1st wall pc	3	02-Sep-15	0%	3	04-Sep-15	30-Apr-15	04-May-15	-91	0	0%
SE2G2	E9A (E2g2) - Seagull Pier Falsework & Scaffolding (2nd wall pour)	2	05-Sep-15	0%	2	07-Sep-15	05-May-15	06-May-15	-91	0	0%
SE2G2	E9A (E2g2) - Seagull Pier Rebar Fixing, Formwork & Prep (2nd wall pour)	6	08-Sep-15	0%	6	15-Sep-15	07-May-15	14-May-15	-91	0	0%
SE2G2	E9A (E2g2) - Seagull Pier Concreting, Curing & Striking, CJ Prep (2nd wall p	3	16-Sep-15	0%	3	19-Sep-15	15-May-15	18-May-15	-91	0	0%
Pier Works - E9B (E2g1)											
SE2G1	E9B (E2g1) - Seagull Pier Falsework & Scaffolding (1st wall pour)	4	28-Jul-15	0%	4	01-Aug-15	16-Jan-15	20-Jan-15	-143	0	0%
SE2G1	E9B (E2g1) - Seagull Pier Rebar Fixing, Formwork & Prep (1st wall pour)	6	03-Aug-15	0%	6	08-Aug-15	21-Jan-15	27-Jan-15	-143	0	0%
SE2G1	E9B (E2g1) - Seagull Pier Concreting, Curing & Striking, CJ Prep (1st wall pc	3	10-Aug-15	0%	3	13-Aug-15	28-Jan-15	30-Jan-15	-143	0	0%
SE2G1	E9B (E2g1) - Seagull Pier Falsework & Scaffolding (2nd wall pour)	2	14-Aug-15	0%	2	15-Aug-15	31-Jan-15	02-Feb-15	-143	0	0%
SE2G1	E9B (E2g1) - Seagull Pier Rebar Fixing, Formwork & Prep (2nd wall pour)	6	17-Aug-15	0%	6	24-Aug-15	03-Feb-15	09-Feb-15	-143	0	0%
SE2G1	E9B (E2g1) - Seagull Pier Concreting, Curing & Striking, CJ Prep (2nd wall p	3	25-Aug-15	0%	3	27-Aug-15	10-Feb-15	12-Feb-15	-143	0	0%
SE2G1	E9B (E2g1) - Seagull Pier Falsework & Scaffolding (diaphragm slab, 3rd pour)	2	28-Aug-15	0%	2	29-Aug-15	13-Feb-15	14-Feb-15	-143	0	0%
SE2G1	E9B (E2g1) - Seagull Pier Rebar Fixing, Formwork & Prep (diaphragm slab, 3	6	31-Aug-15	0%	6	05-Sep-15	16-Feb-15	25-Feb-15	-143	0	0%
SE2G1	E9B (E2g1) - Seagull Pier Concreting, Curing & Striking, CJ Prep (diaphragm	3	07-Sep-15	0%	3	10-Sep-15	26-Feb-15	28-Feb-15	-143	0	0%
SE2G1	E9B (E2g1) - Seagull Pier Falsework & Scaffolding (4th wall pour)	3	11-Sep-15	0%	3	14-Sep-15	02-Mar-15	04-Mar-15	-143	0	0%
SE2G1	E9B (E2g1) - Seagull Pier Rebar Fixing, Formwork & Prep (4th wall pour)	7	15-Sep-15	0%	7	23-Sep-15	05-Mar-15	12-Mar-15	-143	0	0%
E10A & E10B (E2h - 1/2)											
Pile Cap Works - E10A & E10B											
Pile Cap Works											
SE2H0	E10 (E2h1/2) - Marine Pile Cap - Inst.Access & make Watertight	6	06-May-15 A	33.33%	4	27-Jun-15	19-Mar-15	23-Mar-15	-66	0	40%
SE2H0	E10 (E2h1/2) - Marine Pile Cap - Weld Fin Plates / Plug Rebar & Concrete	2	29-Jun-15	0%	2	30-Jun-15	24-Mar-15	25-Mar-15	-66	0	0%
SE2H0	E10 (E2h1/2) - Marine Pile Cap - Dewater precast shell / Remove Lifting Frar	2	02-Jul-15	0%	2	03-Jul-15	26-Mar-15	27-Mar-15	-66	0	0%
SE2H0	E10 (E2h1/2) - Marine Pile Cap - Pile cut down 6nr	9	04-Jul-15	0%	9	14-Jul-15	28-Mar-15	11-Apr-15	-66	0	0%
SE2H0	E10 (E2h1/2) - Marine Pile Cap - Rebar fixing (1st pour)	8	15-Jul-15	0%	8	24-Jul-15	13-Apr-15	22-Apr-15	-66	0	0%
SE2H0	E10 (E2h1/2) - Marine Pile Cap - Concreting (First pour)	1	25-Jul-15	0%	1	25-Jul-15	24-Apr-15	24-Apr-15	-66	0	0%
SE2H0	E10 (E2h1/2) - Marine Pile Cap - CJ preparation	3	27-Jul-15	0%	3	30-Jul-15	25-Apr-15	28-Apr-15	-66	0	0%
SE2H0	E10 (E2h1/2) - Marine Pile Cap - Rebar fixing (Final pour)	6	31-Jul-15	0%	6	06-Aug-15	29-Apr-15	06-May-15	-66	0	0%
SE2H0	E10 (E2h1/2) - Marine Pile Cap - Concreting (Final pour)	1	07-Aug-15	0%	1	07-Aug-15	07-May-15	07-May-15	-66	0	0%
SE2H0	E10 (E2h1/2) - Marine Pile Cap - Curing incl. CJ preparation	6	08-Aug-15	0%	6	15-Aug-15	08-May-15	15-May-15	-66	0	0%
Pier Works - E10A & E10B											
Pier Works - E10A (E2h2)											
SE2H2	E10A (E2h2) - Seagull Pier Falsework & Scaffolding (1st wall pour)	4	17-Aug-15	0%	4	21-Aug-15	19-May-15	23-May-15	-64	0	0%
SE2H2	E10A (E2h2) - Seagull Pier Rebar Fixing, Formwork & Prep (1st wall pour)	6	22-Aug-15	0%	6	28-Aug-15	26-May-15	01-Jun-15	-64	0	0%
SE2H2	E10A (E2h2) - Seagull Pier Concreting, Curing & Striking, CJ Prep (1st wall p	3	29-Aug-15	0%	3	01-Sep-15	02-Jun-15	05-Jun-15	-64	0	0%
SE2H2	E10A (E2h2) - Seagull Pier Falsework & Scaffolding (2nd wall pour)	2	02-Sep-15	0%	2	03-Sep-15	20-Jul-15	21-Jul-15	-35	0	0%
SE2H2	E10A (E2h2) - Seagull Pier Rebar Fixing, Formwork & Prep (2nd wall pour)	6	04-Sep-15	0%	6	11-Sep-15	22-Jul-15	28-Jul-15	-35	0	0%
SE2H2	E10A (E2h2) - Seagull Pier Concreting, Curing & Striking, CJ Prep (2nd wall	3	12-Sep-15	0%	3	15-Sep-15	30-Jul-15	01-Aug-15	-35	0	0%
SE2H2	E10A (E2h2) - Seagull Pier Falsework & Scaffolding (diaphragm slab, 3rd poı	2	16-Sep-15	0%	2	18-Sep-15	03-Aug-15	04-Aug-15	-35	0	0%
SE2H2	E10A (E2h2) - Seagull Pier Rebar Fixing, Formwork & Prep (diaphragm slab,	6	19-Sep-15	0%	6	25-Sep-15	05-Aug-15	12-Aug-15	-35	0	0%
Pier Works - E10B (E2h1)											
SE2H1	E10B (E2h1) - Seagull Pier Falsework & Scaffolding (1st wall pour)	4	01-Sep-15	0%	4	04-Sep-15	02-Jun-15	06-Jun-15	-66	0	0%
SE2H1	E10B (E2h1) - Seagull Pier Rebar Fixing, Formwork & Prep (1st wall pour)	6	05-Sep-15	0%	6	12-Sep-15	08-Jun-15	16-Jun-15	-66	0	0%
SE2H1	E10B (E2h1) - Seagull Pier Concreting, Curing & Striking, CJ Prep (1st wall p	3	14-Sep-15	0%	3	16-Sep-15	18-Jun-15	22-Jun-15	-66	0	0%
SE2H1	E10B (E2h1) - Seagull Pier Falsework & Scaffolding (2nd wall pour)	2	18-Sep-15	0%	2	19-Sep-15	24-Jun-15	26-Jun-15	-66	0	0%
Viaduct E5, E6, E7 & E8											
Milestones - Marine Foundation											
GFXX105	Piling Works Completion of E5E6a/E7E8a in Bridge E5 - E8	0		0%	0	22-Jun-15		15-Dec-18	1038	1038	0%



Actual Work
Planned Bar
Critical Bar
Milestone

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Layout: J3518-DWP-3MRP Submission - M25
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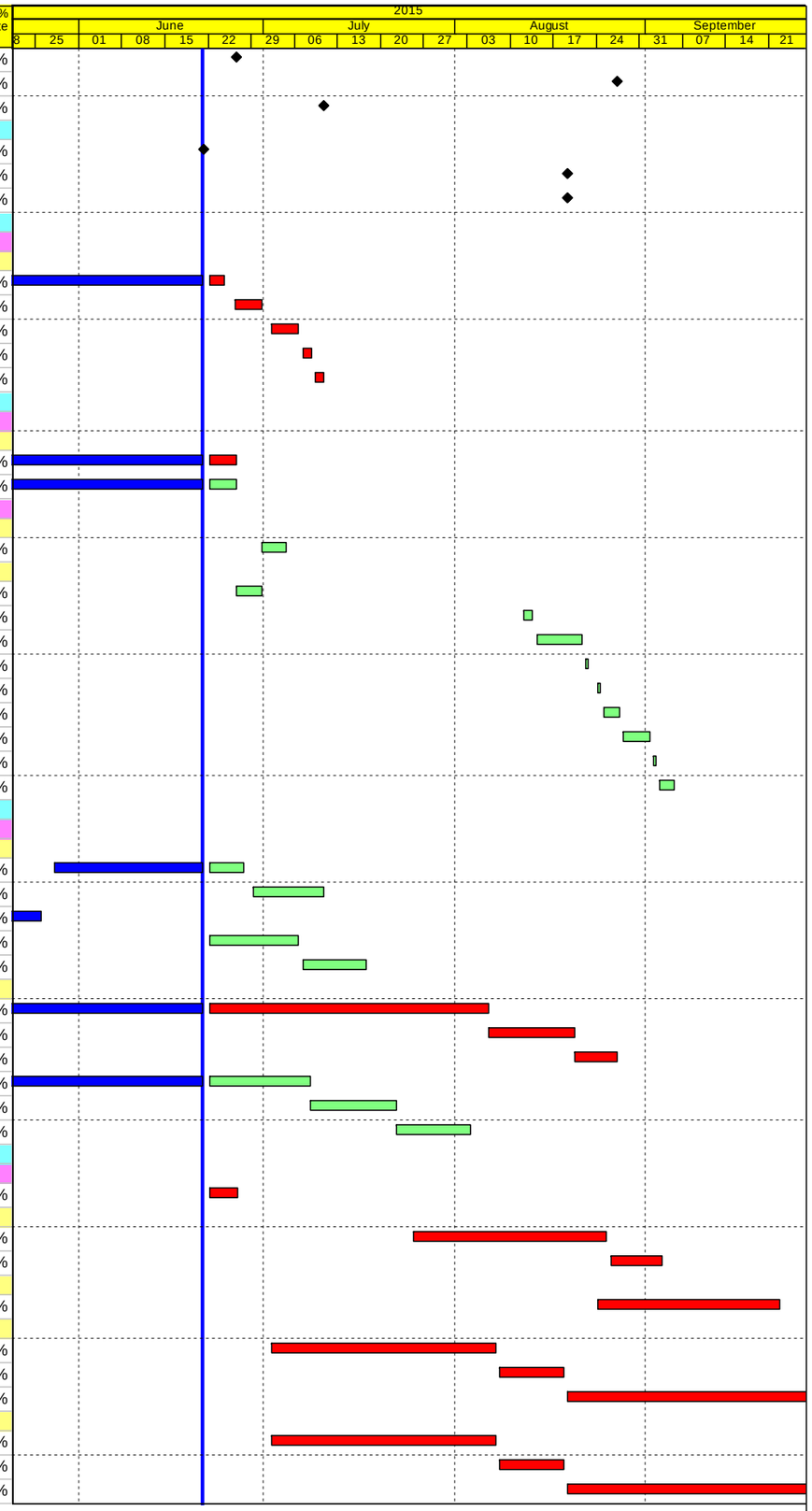
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
GFXX106	Piling Works Completion of E5b/E6b, E7b/E8b, Dolphin E5b & E8b in Bridge	0		0%	0	26-Jun-15		29-Apr-15	-47	3	0%
GFXX107	Piling Works Completion of E5c/E6c, Dolphin E5c in Bridge E5 - E8	0		0%	0	27-Aug-15		07-Feb-15	-160	48	0%
GFXX108	Piling Works Completion of E7c/E8c, Dolphin E8c in Bridge E7 - E8	0		0%	0	10-Jul-15		06-Aug-15	23	88	0%
Milestones - Land Foundation											
GFXX012	Land Access to BCF (Available in Month 23)	0	21-Jun-15	0%	0		22-Sep-14		-272	1	0%
GFXX546	E14D (E5d) - Start date for piling	0	19-Aug-15	0%	0		29-Apr-15		-92	111	0%
GFXX547	E14C (E6d) - Start date for piling	0	19-Aug-15	0%	0		10-Aug-15		-8	98	0%
E11A & E11B (E5E6a/E7E8a)											
Pile Cap Works - E11A & E11B											
Pile Cap Works											
SE5A00	E11 (E5E6/E7E8a) - Marine Pile Cap - Inst.Floating Seal & Casing Head Ste	6	15-May-15 A	66.67%	2	24-Jun-15	05-Jan-15	06-Jan-15	-126	0	66%
SE5A00	E11 (E5E6/E7E8a) - Marine Pile Cap - Install precast shell in position (4 units)	4	26-Jun-15	0%	4	30-Jun-15	07-Jan-15	10-Jan-15	-126	0	0%
SE5A00	E11 (E5E6/E7E8a) - Marine Pile Cap - Inst.Access & make Watertight	4	02-Jul-15	0%	4	06-Jul-15	12-Jan-15	15-Jan-15	-126	0	0%
SE5A01	E11 (E5E6/E7E8a) - Marine Pile Cap - Weld Fin Plates / Plug Rebar & Conc	2	07-Jul-15	0%	2	08-Jul-15	16-Jan-15	17-Jan-15	-126	0	0%
SE5A01	E11 (E5E6/E7E8a) - Marine Pile Cap - Dewater precast shell / Remove Liftin	2	09-Jul-15	0%	2	10-Jul-15	19-Jan-15	20-Jan-15	-126	58	0%
E12A, E12B, E12C & E12D (E8b/E7b/E6b/E5b)											
Foundation Works - E12											
Foundation Works											
GFXX092	E12 (E5b/E6b/E7b/E8b) - Dismantle Removable Piling Platform in Pier E12	6	09-Apr-15 A	20%	5	26-Jun-15	24-Apr-15	29-Apr-15	-47	0	20%
GFXX621	E12 (E5bE8b) - Dismantle Removable Piling Platform in Pier E12 for Dolphins	6	09-Apr-15 A	20%	5	26-Jun-15	24-Aug-16	29-Aug-16	350	0	20%
Pile Cap Works - E12A, E12B, E12C & E12D											
Pile Cap Works - Dolphin E12A (E8b)											
SE8BD0	E12A (E8b) Dolphin - Marine Pile Cap - Inst.prefab.collar frame to perm.casir	3	30-Jun-15	0%	3	04-Jul-15	02-Sep-16	05-Sep-16	328	66	0%
Pile Cap Works - Dolphin E12B (E5b)											
SE5BD0	E12B (E5b) Dolphin - Marine Pile Cap - Inst.prefab.collar frame to permanen	3	26-Jun-15	0%	3	30-Jun-15	30-Aug-16	01-Sep-16	328	0	0%
SE5BD0	E12B (E5b) Dolphin - Marine Pile Cap - Install precast shell in position	2	12-Aug-15	0%	2	13-Aug-15	07-Sep-16	08-Sep-16	299	0	0%
SE5BD0	E12B (E5b) Dolphin - Marine Pile Cap - Temp fixings to casings	6	14-Aug-15	0%	6	21-Aug-15	09-Sep-16	15-Sep-16	299	0	0%
SE5BD1	E12B (E5b) Dolphin - Marine Pile Cap - Tremie concrete at pedestal	1	22-Aug-15	0%	1	22-Aug-15	17-Sep-16	17-Sep-16	299	0	0%
SE5BD1	E12B (E5b) Dolphin - Marine Pile Cap - Dewatering inside precast shell	1	24-Aug-15	0%	1	24-Aug-15	19-Sep-16	19-Sep-16	299	0	0%
SE5BD1	E12B (E5b) Dolphin - Marine Pile Cap - Trimming of pile & casing	3	25-Aug-15	0%	3	27-Aug-15	20-Sep-16	22-Sep-16	299	0	0%
SE5BD1	E12B (E5b) Dolphin - Marine Pile Cap - Rebar fixing, installation of cast inser	4	28-Aug-15	0%	4	01-Sep-15	23-Sep-16	28-Sep-16	299	0	0%
SE5BD1	E12B (E5b) Dolphin - Marine Pile Cap - Concreting	1	02-Sep-15	0%	1	02-Sep-15	29-Sep-16	29-Sep-16	299	0	0%
SE5BD1	E12B (E5b) Dolphin - Marine Pile Cap - Construction joint preparation & Curi	3	03-Sep-15	0%	3	05-Sep-15	30-Sep-16	04-Oct-16	299	37	0%
E13A, E13B, E13C & E13D (E8c/E7c/E6c/E5c)											
Foundation Works - E13											
Foundation Works - E13A (E8c) & E13B (E7c)											
GFXX103	E13A/B (E8c/E7c) - Sonic & Interface Coring	12	28-May-15 A	50%	6	27-Jun-15	20-Jul-15	25-Jul-15	23	0	50%
GFXX104	E13A/B (E8c/E7c) - Dismantle Temporary Removable Piling Platform	10	29-Jun-15	0%	10	10-Jul-15	27-Jul-15	06-Aug-15	23	0	0%
GFXX627	E13A/B (E8c/E7c) - Dolphin - Bored Piles (2.20m dia x 3nr)	40	27-Dec-14 A	100%	0	26-May-15 A					100%
GFXX629	E13A/B (E8c/E7c) - Dolphin - Sonic & Interface Coring	12	22-Jun-15	0%	12	06-Jul-15	08-Aug-16	20-Aug-16	336	0	0%
GFXX631	E13A/B (E8c/E7c) - Dolphin - Dismantle Temporary Removable Piling Platfor	10	07-Jul-15	0%	10	17-Jul-15	22-Aug-16	01-Sep-16	336	89	0%
Foundation Works - E13C (E6c) & E13D (E5c)											
GFXX095	E13C/D (E6c/E5c) - Bored Piles (2.50m dia. x 10 nr)	128	23-Aug-14 A	70%	38	06-Aug-15	01-Dec-14	17-Jan-15	-160	0	70%
GFXX097	E13C/D (E6c/E5c) - Sonic & Interface Coring	12	06-Aug-15	0%	12	20-Aug-15	19-Jan-15	31-Jan-15	-160	0	0%
GFXX098	E13C/D (E6c/E5c) - Dismantle Temporary Removable Piling Platform	6	20-Aug-15	0%	6	27-Aug-15	02-Feb-15	07-Feb-15	-160	0	0%
GFXX637	E13C/D (E6c/E5c) - Dolphin - Bored Piles (2.20m dia x 3nr))	40	23-Aug-14 A	66%	14	08-Jul-15	22-Jul-16	06-Aug-16	322	0	66%
GFXX639	E13C/D (E6c/E5c) - Dolphin - Sonic & Interface Coring	12	08-Jul-15	0%	12	22-Jul-15	08-Aug-16	20-Aug-16	322	0	0%
GFXX641	E13C/D (E6c/E5c) - Dolphin - Dismantle Temporary Removable Piling Platfor	10	22-Jul-15	0%	10	03-Aug-15	22-Aug-16	01-Sep-16	322	75	0%
E14A, E14B, E14C & E14D (E8d/E7d/E6d/E5d)											
Foundation Works - E14											
GFXX545	Mobilization & Assembling Bored Pile Plant & Equipment for Viaducts in HKI	5	22-Jun-15	0%	5	26-Jun-15	22-Sep-14	26-Sep-14	-219	0	0%
Foundation Works - E14A (E8d)											
GFXX54	E14A (E8d) - Pre-drilling for Piles (3 nos)	24	25-Jul-15	0%	24	25-Aug-15	06-Mar-15	02-Apr-15	-102	0	0%
GFXX54	E14A (E8d) - Confirm Rockhead levels	8	26-Aug-15	0%	8	03-Sep-15	08-Apr-15	17-Apr-15	-102	93	0%
Foundation Works - E14B (E7d)											
GFXX54	E14B (E7d) - Pre-drilling for Piles (3 nos)	24	24-Aug-15	0%	24	22-Sep-15	02-Mar-15	28-Mar-15	-128	0	0%
Foundation Works - E14C (E6d)											
GFXX54	E14C (E6d) - Pre-drilling for Piles (3 nos)	30	02-Jul-15	0%	30	07-Aug-15	30-Oct-14	03-Dec-14	-186	0	0%
GFXX54	E14C (E6d) - Confirm Rockhead levels	8	08-Aug-15	0%	8	18-Aug-15	04-Dec-14	12-Dec-14	-186	0	0%
GFXX547	E14C (E6d) - Bored Piles (2.20m dia. x 3 nos)	93	19-Aug-15	0%	93	14-Dec-15	13-Dec-14	11-Apr-15	-186	0	0%
Foundation Works - E14D (E5d)											
GFXX54	E14D (E5d) - Pre-drilling for Piles (4 nos)	30	02-Jul-15	0%	30	07-Aug-15	18-Oct-14	22-Nov-14	-195	0	0%
GFXX54	E14D (E5d) - Confirm Rockhead levels	8	08-Aug-15	0%	8	18-Aug-15	24-Nov-14	02-Dec-14	-195	0	0%
GFXX546	E14D (E5d) - Bored Piles (2.20m dia. x 4 nos)	106	19-Aug-15	0%	106	31-Dec-15	03-Dec-14	17-Apr-15	-195	0	0%



Actual Work
Planned Bar
Critical Bar
Milestone

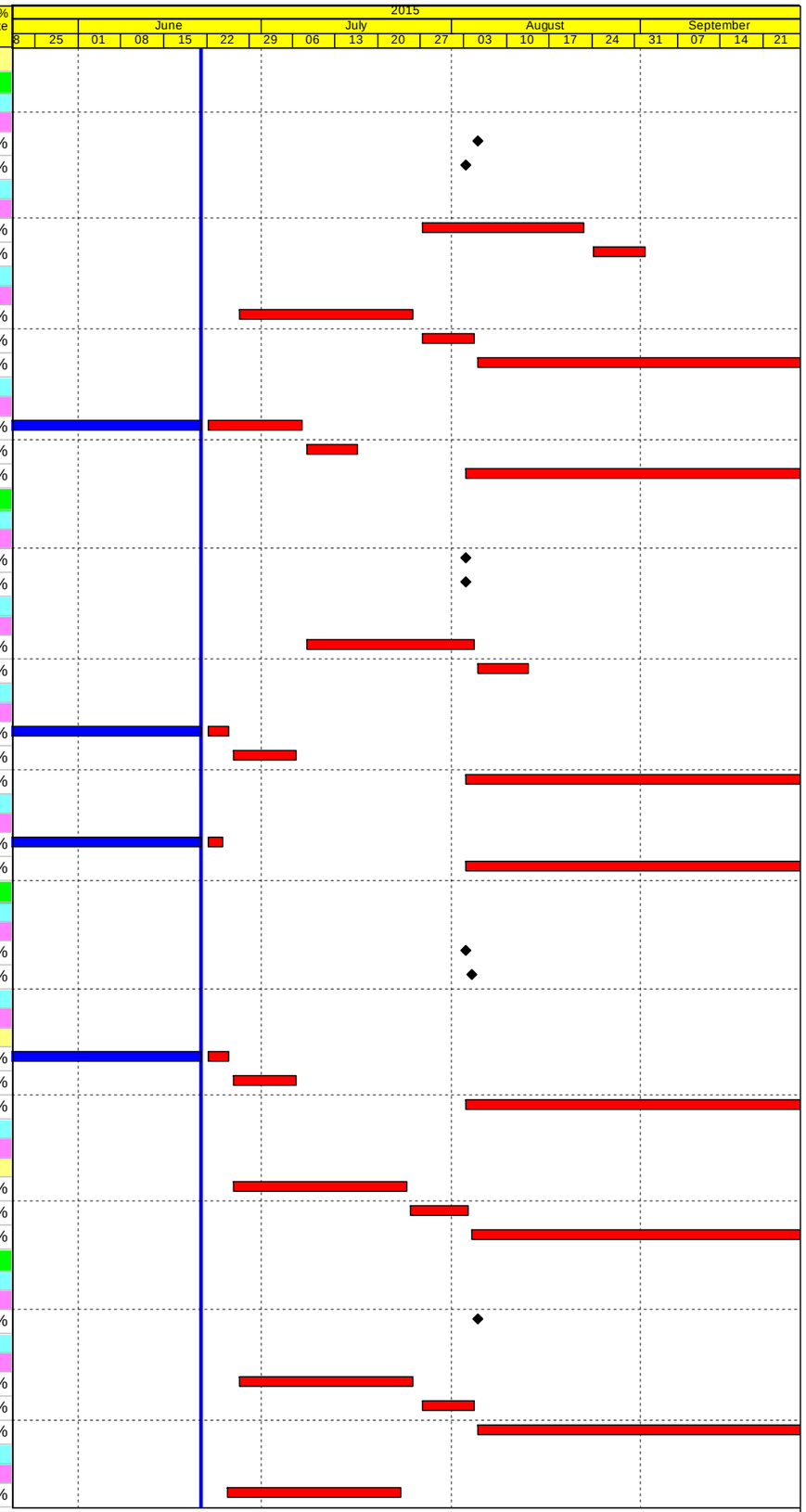
Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 28 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
Viaduct F											
Viaduct F1											
General F1											
Milestones											
GFXX55:	F2 (F1c) - Start date for piling	0	05-Aug-15	0%	0		04-Feb-15		-145	74	0%
GFXX55:	F3 (F1d) - Start date for piling	0	03-Aug-15	0%	0		26-Jun-15		-31	84	0%
F1 (F1b)											
Foundation Works											
GFXX55:	F1 (F1b) - Pre-drilling for Piles (3 nos)	24	27-Jul-15	0%	24	22-Aug-15	29-Jan-15	28-Feb-15	-142	0	0%
GFXX55:	F1 (F1b) - Confirm Rockhead Levels	8	24-Aug-15	0%	8	01-Sep-15	02-May-15	11-May-15	-94	58	0%
F2 (F1c)											
Foundation Works											
GFXX55:	F2 (F1c) - Pre-drilling for Piles (3 nos)	24	27-Jun-15	0%	24	25-Jul-15	27-Sep-14	27-Oct-14	-219	0	0%
GFXX55:	F2 (F1c) - Confirm Rockhead Levels	8	27-Jul-15	0%	8	04-Aug-15	28-Oct-14	05-Nov-14	-219	0	0%
GFXX556	F2 (F1c) - Bored Piles (1.80m dia. x 3 nos)	74	05-Aug-15	0%	74	02-Nov-15	06-Nov-14	03-Feb-15	-219	0	0%
F3 (F1d)											
Foundation Works											
GFXX55:	F3 (F1d) - Pre-drilling for Piles (3 nos)	24	02-Mar-15 A	45.83%	13	07-Jul-15	16-Dec-14	02-Jan-15	-148	0	0%
GFXX55:	F3 (F1d) - Confirm Rockhead Levels	8	08-Jul-15	0%	8	16-Jul-15	15-Jan-15	23-Jan-15	-138	14	0%
GFXX557	F3 (F1d) - Bored Piles (1.80m dia. x 3 nos)	84	03-Aug-15	0%	84	11-Nov-15	24-Jan-15	11-May-15	-152	0	0%
Viaduct F2											
General F2											
Milestones											
GFXX56:	F6 (F2d) - Start date for piling	0	03-Aug-15	0%	0		18-Apr-15		-87	72	0%
GFXX56:	F5 (F2c) - Start date for piling	0	03-Aug-15	0%	0		06-Jul-15		-24	72	0%
F4 (F2b)											
Foundation Works											
GFXX56:	F4 (F2b) - Pre-drilling for piles (3 nos)	24	08-Jul-15	0%	24	04-Aug-15	03-Jan-15	30-Jan-15	-148	0	0%
GFXX56:	F4 (F2b) - Confirm Rockhead Levels	8	05-Aug-15	0%	8	13-Aug-15	01-Apr-15	14-Apr-15	-100	62	0%
F5 (F2c)											
Foundation Works											
GFXX56:	F5 (F2c) - Pre-drilling for Piles (3 nos)	24	31-Mar-15 A	83.33%	4	25-Jun-15	29-Dec-14	02-Jan-15	-139	0	0%
GFXX56:	F5 (F2c) - Confirm Rockhead Levels	8	26-Jun-15	0%	8	06-Jul-15	03-Jan-15	12-Jan-15	-139	23	0%
GFXX564	F5 (F2c) - Bored Piles (1.80m dia. x 3 nos)	72	03-Aug-15	0%	72	28-Oct-15	13-Jan-15	14-Apr-15	-162	0	0%
F6 (F2d)											
Foundation Works											
GFXX56:	F6 (F2d) - Confirm Rockhead Levels	8	15-Apr-15 A	62.5%	3	24-Jun-15	13-Jan-15	16-Jan-15	-127	32	0%
GFXX565	F6 (F2d) - Bored Piles (1.80m dia. x 3 nos)	72	03-Aug-15	0%	72	28-Oct-15	16-Jan-15	18-Apr-15	-159	0	0%
Viaduct F3											
General F3											
Milestones											
GFXX57:	F9 (F3d) - Start date for piling	0	03-Aug-15	0%	0		15-Jun-15		-40	84	0%
GFXX57:	F10 (F3c) - Start date for piling	0	04-Aug-15	0%	0		18-Aug-15		12	72	0%
F9 (F3d-1/F3d-2)											
Foundation Works - F9 (F3d-1/F3d-2)											
Foundation Works											
GFXX57	F9 (F3d) - Pre-drilling for Piles (4 nos)	24	09-Mar-15 A	83.33%	4	25-Jun-15	14-Nov-14	18-Nov-14	-175	0	0%
GFXX57	F9 (F3d) - Confirm Rockhead Levels	8	26-Jun-15	0%	8	06-Jul-15	19-Nov-14	27-Nov-14	-175	23	0%
GFXX575	F9 (F3d) - Bored Piles (1.80m dia. x 4 nos)	84	03-Aug-15	0%	84	11-Nov-15	28-Nov-14	12-Mar-15	-198	0	0%
F10 (F3c-1/F3c-2)											
Foundation Works - Pier F10											
Foundation Works											
GFXX57	F10 (F3c) - Pre-drilling for Piles (4 nos)	24	26-Jun-15	0%	24	24-Jul-15	03-Feb-15	05-Mar-15	-113	0	0%
GFXX57	F10 (F3c) - Confirm Rockhead Levels	8	25-Jul-15	0%	8	03-Aug-15	13-May-15	22-May-15	-60	0	0%
GFXX574	F10 (F3c) - Bored Piles (1.80m dia. x 4 nos)	72	04-Aug-15	0%	72	29-Oct-15	22-May-15	18-Aug-15	-60	0	0%
Viaduct F5											
General F5											
Milestones											
GFXX58	F13 (F5d) - Start date for piling	0	05-Aug-15	0%	0		11-Nov-15		81	84	0%
F13 (F5d)											
Foundation Works											
GFXX58	F13 (F5d) - Pre-drilling for Piles (3 nos)	24	27-Jun-15	0%	24	25-Jul-15	05-Jan-15	31-Jan-15	-139	0	0%
GFXX58	F13 (F5d) - Confirm Rockhead Levels	8	27-Jul-15	0%	8	04-Aug-15	02-Feb-15	10-Feb-15	-139	0	0%
GFXX589	F13 (F5d) - Bored Piles (1.80m dia. x 3 nos)	84	05-Aug-15	0%	84	13-Nov-15	11-Feb-15	29-May-15	-139	0	0%
F14 (F5c)											
Foundation Works											
GFXX58	F14 (F5c) - Pre-drilling for Piles (3 nos)	24	25-Jun-15	0%	24	23-Jul-15	19-Mar-15	20-Apr-15	-77	0	0%



Actual Work
Planned Bar
Critical Bar
Milestone

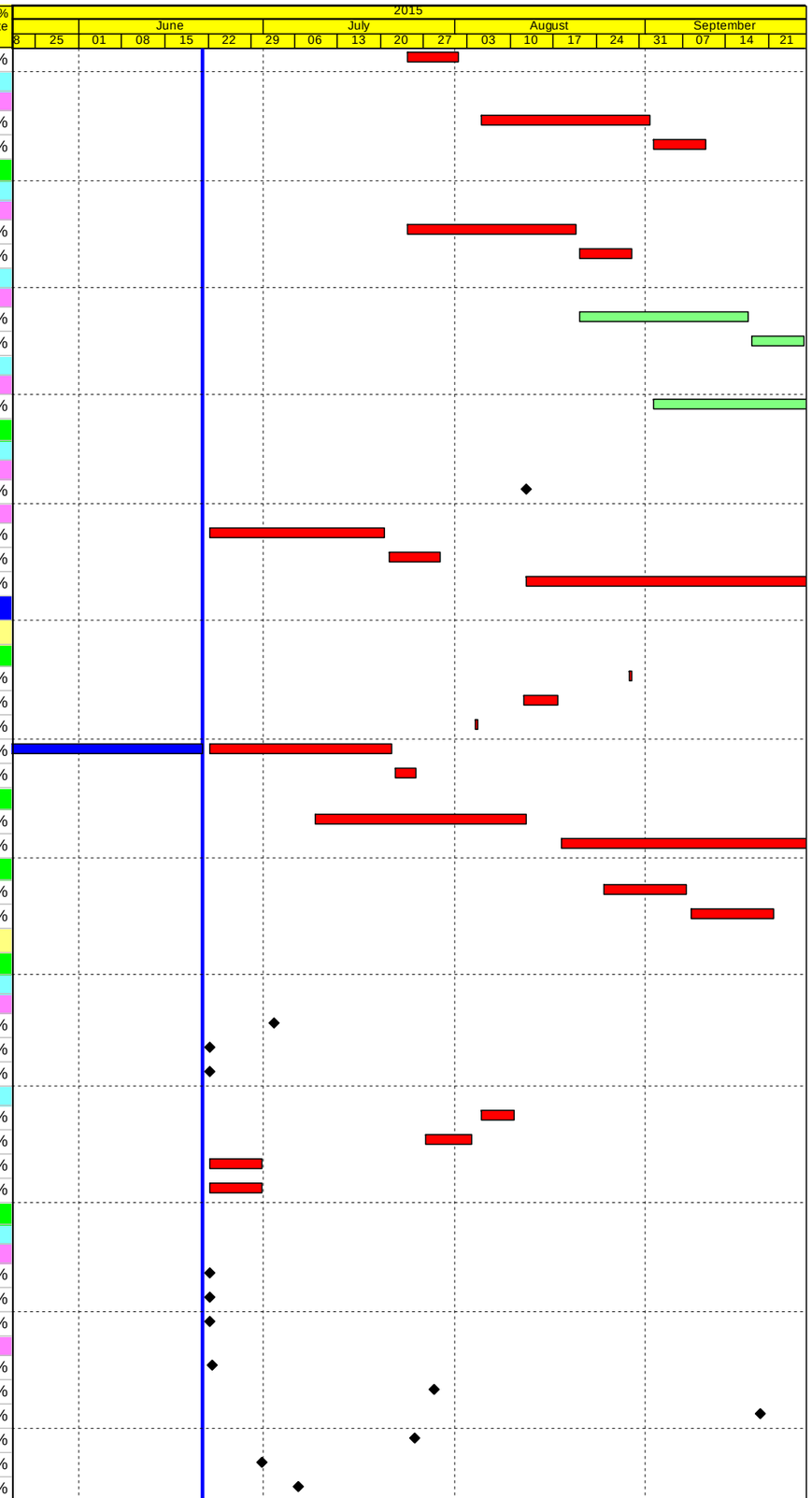
Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 29 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
GFXX58(	F14 (F5c) - Confirm Rockhead Levels	8	24-Jul-15	0%	8	01-Aug-15	14-May-15	23-May-15	-58	72	0%
F15 (F5b)											
Foundation Works											
GFXX58(	F15 (F5b) - Pre-drilling for Piles (3 nos)	24	05-Aug-15	0%	24	01-Sep-15	31-Jan-15	03-Mar-15	-148	0	0%
GFXX58(	F15 (F5b) - Confirm Rockhead Levels	8	02-Sep-15	0%	8	10-Sep-15	04-Mar-15	12-Mar-15	-148	50	0%
Viaduct F4											
F16 (F4a/F5a)											
Foundation Works											
GFXX57(	F16 (F4a/F5a) - Pre-drilling for Piles (8 nos)	24	24-Jul-15	0%	24	20-Aug-15	21-Apr-15	19-May-15	-77	0	0%
GFXX57(	F16 (F4a/F5a) - Confirm Rockhead Levels	8	21-Aug-15	0%	8	29-Aug-15	20-May-15	29-May-15	-77	62	0%
F17 (F4b)											
Foundation Works											
GFXX57(	F17 (F4b) - Pre-drilling for Piles (3 nos)	24	21-Aug-15	0%	24	17-Sep-15	07-Oct-15	04-Nov-15	38	0	0%
GFXX57(	F17 (F4b) - Confirm Rockhead Levels	8	18-Sep-15	0%	8	26-Sep-15	05-Nov-15	13-Nov-15	38	129	0%
F18 (F4c) & Abutment											
Foundation Works											
GFXX57(	F18 (F4c) - Pre-drilling for Piles (2 nos)	24	02-Sep-15	0%	24	30-Sep-15	20-Oct-15	17-Nov-15	39	0	0%
Approach Ramp F											
Approach Ramp Land Foundation - HKBCF											
Milestones											
GFXX611	AR-F - Start date for piling	0	12-Aug-15	0%	0		25-Jun-15		-49	53	0%
Approach Ramp F Piling											
GFXX593	AR-F - Pre-drilling for Piles (25 nos)	24	22-Jun-15	0%	24	20-Jul-15	27-Mar-15	28-Apr-15	-67	0	0%
GFXX594	AR-F - Confirm Rockhead Levels	8	21-Jul-15	0%	8	29-Jul-15	29-Apr-15	08-May-15	-67	12	0%
GFXX595	AR-F - Bored Piles (25 nos.)	218	12-Aug-15	0%	218	09-May-16	09-May-15	28-Jan-16	-79	0	0%
SUPERSTRUCTURE											
Assembling, relocation and dismantle of lifting equipment											
Launching Gantry 1											
FR000008-	Viaduct B2 - Launching LG1 B7 to B8	1	29-Aug-15	0%	1	29-Aug-15	21-Jan-15	21-Jan-15	-164	0	0%
FR000023	Viaduct B3 - Launching LG1 Over Piers to B07 (B2f) - LG1	5	12-Aug-15	0%	5	17-Aug-15	06-Nov-14	11-Nov-14	-212	0	0%
FR001130-	Viaduct B3 - Launching LG1 B2 to B1	1	04-Aug-15	0%	1	04-Aug-15	30-Oct-14	30-Oct-14	-212	0	0%
PR20130-1	Assembly of Launching Gantry LG1 onto Pier B1/B2 (incl.Load Test)	32	13-Mar-15 A	31.25%	22	21-Jul-15	16-Sep-14	15-Oct-14	-212	0	0%
PR20140	Viaduct B3 - Learning Curve Gantry LG1	4	22-Jul-15	0%	4	25-Jul-15	17-Oct-14	21-Oct-14	-224	0	0%
Launching Gantry 2											
FR000099	Assembly of Launching Gantry LG2 on Temp.Loading Platform	30	09-Jul-15	0%	30	12-Aug-15	08-Oct-14	11-Nov-14	-221	4	0%
FR100099-1	Assembly Launching Gantry LG2 onto Pier B1/ B2 (incl. Load Test)	35	18-Aug-15	0%	35	02-Oct-15	12-Nov-14	22-Dec-14	-212	0	0%
Adjustable Lifting Frame 1&2											
FR000157	Viaduct B3 - Pier B4 - Assemble / Load Test Lifting Frame ALF 1/2	12	25-Aug-15	0%	12	07-Sep-15	16-Mar-15	28-Mar-15	-131	0	0%
FR100024	Viaduct B3 - Learning Curve Lifting Frame ALF 1/2	12	08-Sep-15	0%	12	21-Sep-15	30-Mar-15	16-Apr-15	-131	0	0%
Viaduct B Superstructure											
Bridge B3 Superstructure											
Milestones											
Milestones Ready for Deck Segment Erection											
B300010	Pier B6 (B3a) ready for Viaduct B3 deck segment erection	0		0%	0	02-Jul-15		12-Feb-15	-99	65	0%
B300020	Pier B5 (B3b) ready for Viaduct B3 deck segment erection	0		0%	0	22-Jun-15		02-May-15	-34	0	0%
B300030	Pier B4 (B3c) ready for Viaduct B3 deck segment erection	0		0%	0	22-Jun-15		08-Apr-15	-52	0	0%
Deck installation											
FR000025	Viaduct B3 - End Span at Pier B1 (B3f) (up) (7 seg) - LG1	5	05-Aug-15	0%	5	10-Aug-15	31-Oct-14	05-Nov-14	-212	0	0%
FR001130	Viaduct B3 - Cantilever at Pier B2 (B3e) (14 seg) - LG1	6	27-Jul-15	0%	6	03-Aug-15	22-Oct-14	28-Oct-14	-212	0	0%
FR100044	Viaduct B3 - Pier B4 (B3c) (2 seg)	6	22-Jun-15	0%	6	30-Jun-15	09-Apr-15	16-Apr-15	-52	64	0%
FR100046	Viaduct B3 - Pier B5 (B3b) (2 seg)	6	22-Jun-15	0%	6	30-Jun-15	04-May-15	09-May-15	-34	81	0%
Bridge B2 Superstructure											
Milestones											
Milestones Ready for PH Segment Erection											
B200010	Pier B12 (B2a) ready for Viaduct B2 PH segment erection	0		0%	0	22-Jun-15		15-Dec-18	973	973	0%
B200030	Pier B10 (B2c) ready for Viaduct B2 PH segment erection	0		0%	0	22-Jun-15		06-Feb-15	-97	4	0%
B200040	Pier B9 (B2d) ready for Viaduct B2 PH segment erection	0		0%	0	22-Jun-15		15-Dec-18	973	973	0%
Milestones Ready for Deck Segment Erection											
B200010	Pier B12 (B2a) ready for Viaduct B2 deck segment erection	0		0%	0	22-Jun-15		04-May-15	-34	130	0%
B200020	Pier B11 (B2b) ready for Viaduct B2 deck segment erection	0		0%	0	28-Jul-15		20-Apr-15	-71	93	0%
B200030	Pier B10 (B2c) ready for Viaduct B2 deck segment erection	0		0%	0	19-Sep-15		24-Mar-15	-130	34	0%
B200040	Pier B9 (B2d) ready for Viaduct B2 deck segment erection	0		0%	0	25-Jul-15		27-Feb-15	-108	55	0%
B200050	Pier B8 (B2e) ready for Viaduct B2 deck segment erection	0		0%	0	30-Jun-15		21-Jan-15	-117	47	0%
B200060	Pier B7 (B2f) ready for Viaduct B2 deck segment erection	0		0%	0	06-Jul-15		09-Jan-15	-131	33	0%



Actual Work
Planned Bar
Critical Bar
Milestone

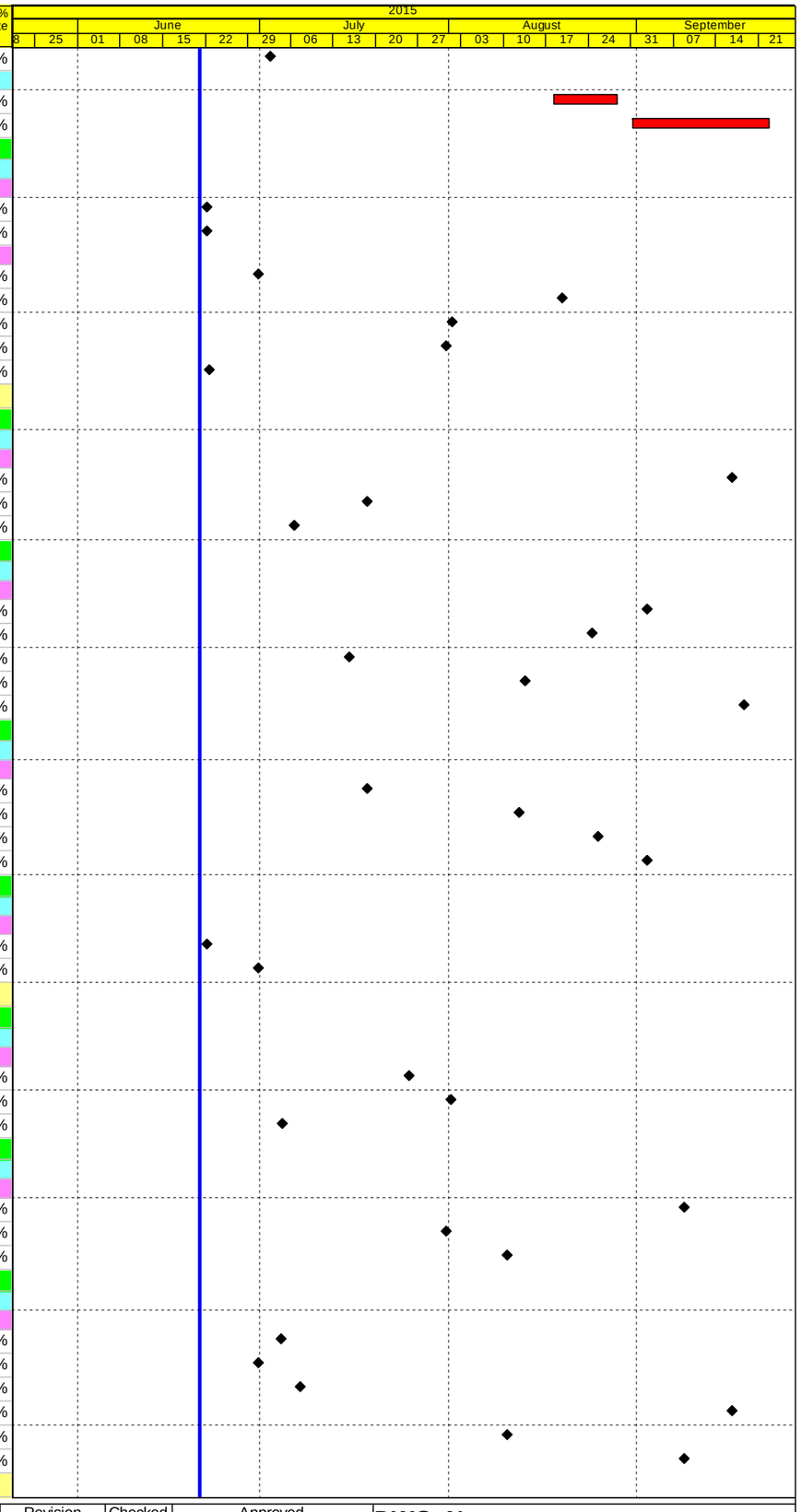
Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 30 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
B200070	Pier B6 (B3a) ready for Viaduct B2 deck segment erection	0		0%	0	02-Jul-15		12-Feb-15	-99	65	0%
Deck installation											
FR000008	Viaduct B2 - Cantilever at Pier B7 (B2f) (16 seg) - LG1	9	18-Aug-15	0%	9	28-Aug-15	10-Jan-15	20-Jan-15	-164	0	0%
FR000011	Viaduct B2 - Cantilever at Pier B8 (B2e) (20 seg) - MTR Crossing - LG1	18	31-Aug-15	0%	18	22-Sep-15	22-Jan-15	11-Feb-15	-164	0	0%
Bridge B1 Superstructure											
Milestones											
Milestones Ready for PH Segment Erection											
B100060	Pier B13 (B1g) ready for Viaduct B1 PH segment erection	0		0%	0	22-Jun-15		15-Dec-18	973	973	0%
B100070	Pier B12 (B2a) ready for Viaduct B1 PH segment erection	0		0%	0	22-Jun-15		15-Dec-18	973	973	0%
Milestones Ready for Deck Segment Erection											
B100030	Pier B16 (B1d) ready for Viaduct B1 deck segment erection	0		0%	0	30-Jun-15		17-Sep-16	340	421	0%
B100040	Pier B15 (B1e) ready for Viaduct B1 deck segment erection	0		0%	0	19-Aug-15		13-Jul-15	-29	135	0%
B100050	Pier B14 (B1f) ready for Viaduct B1 deck segment erection	0		0%	0	01-Aug-15		18-Jun-15	-32	132	0%
B100060	Pier B13 (B1g) ready for Viaduct B1 deck segment erection	0		0%	0	31-Jul-15		14-May-15	-55	109	0%
B100070	Pier B12 (B2a) ready for Viaduct B1 deck segment erection	0		0%	0	22-Jun-15		04-Jun-15	-11	153	0%
Viaduct C Superstructure											
Bridge C4 Superstructure											
Milestones											
Milestones Ready for PH Segment Erection											
C400030	Pier C4 (C4b) ready for Viaduct C4 PH segment erection	0		0%	0	16-Sep-15		31-Mar-15	-122	0	0%
C400050	Pier C2 (C4d) ready for Viaduct C4 PH segment erection	0		0%	0	18-Jul-15		10-Oct-15	65	0	0%
C400060	Pier C1 (C4e) ready for Viaduct C4 PH segment erection	0		0%	0	06-Jul-15		31-Mar-15	-65	0	0%
Bridge C3 Superstructure											
Milestones											
Milestones Ready for PH Segment Erection											
C300010	Pier C11 (C3a) ready for Viaduct C3 PH segment erection	0		0%	0	02-Sep-15		24-Mar-16	162	0	0%
C300020	Pier C10 (C3b) ready for Viaduct C3 PH segment erection	0		0%	0	24-Aug-15		19-Feb-16	140	0	0%
C300030	Pier C9 (C3c) ready for Viaduct C3 PH segment erection	0		0%	0	15-Jul-15		22-Jan-16	150	0	0%
C300040	Pier C8 (C3d) ready for Viaduct C3 PH segment erection	0		0%	0	13-Aug-15		24-Dec-15	106	0	0%
C300050	Pier C7 (C3e) ready for Viaduct C3 PH segment erection	0		0%	0	18-Sep-15		19-Nov-15	48	0	0%
Bridge C2 Superstructure											
Milestones											
Milestones Ready for PH Segment Erection											
C200020	Pier C15 (C2c) ready for Viaduct C2 PH segment erection	0		0%	0	18-Jul-15		30-Mar-16	200	0	0%
C200030	Pier C14 (C2d) ready for Viaduct C2 PH segment erection	0		0%	0	12-Aug-15		19-Mar-16	175	0	0%
C200050	Pier C12 (C2f) ready for Viaduct C2 PH segment erection	0		0%	0	25-Aug-15		03-Mar-16	151	0	0%
C200060	Pier C11 (C3a) ready for Viaduct C2 PH segment erection	0		0%	0	02-Sep-15		24-Mar-16	162	0	0%
Bridge C1 Superstructure											
Milestones											
Milestones Ready for PH Segment Erection											
C100010	Pier C20 (C1c) ready for Viaduct C1 PH segment erection	0		0%	0	22-Jun-15		05-Mar-16	202	0	0%
C100020	Pier C19 (C1d) ready for Viaduct C1 PH segment erection	0		0%	0	30-Jun-15		30-Dec-15	143	0	0%
Viaduct D Superstructure											
Bridge D3 Superstructure											
Milestones											
Milestones Ready for PH Segment Erection											
D300040	Pier D3 (D4d) ready for Viaduct D3 PH segment erection	0		0%	0	25-Jul-15		12-Nov-15	84	1	0%
D300050	Pier D2 (D4e) ready for Viaduct D3 PH segment erection	0		0%	0	01-Aug-15		27-Nov-15	93	114	0%
D300060	Pier D1 (D4f) ready for Viaduct D3 PH segment erection	0		0%	0	04-Jul-15		22-Apr-15	-50	18	0%
Bridge D2 Superstructure											
Milestones											
Milestones Ready for PH Segment Erection											
D200010	Pier D13 (D2d) ready for Viaduct D2 PH segment erection	0		0%	0	08-Sep-15		15-Oct-15	27	0	0%
D200050	Pier D9 (D3c) ready for Viaduct D2 PH segment erection	0		0%	0	31-Jul-15		16-Jun-15	-32	0	0%
D200060	Pier D8 (D3d) ready for Viaduct D2 PH segment erection	0		0%	0	10-Aug-15		16-May-15	-61	0	0%
Bridge D1 Superstructure											
Milestones											
Milestones Ready for PH Segment Erection											
D100010	Pier D19 (D1b) ready for Viaduct D1 PH segment erection	0		0%	0	04-Jul-15		12-Oct-15	77	18	0%
D100020	Pier D18 (D1c) ready for Viaduct D1 PH segment erection	0		0%	0	30-Jun-15		12-Nov-15	104	21	0%
D100030	Pier D17 (D1d) ready for Viaduct D1 PH segment erection	0		0%	0	07-Jul-15		15-Aug-15	31	0	0%
D100040	Pier D16 (D2a) ready for Viaduct D1 PH segment erection	0		0%	0	16-Sep-15		15-Aug-15	-25	0	0%
D100050	Pier D15 (D2b) ready for Viaduct D1 PH segment erection	0		0%	0	10-Aug-15		03-Oct-15	41	0	0%
D100070	Pier D13 (D2d) ready for Viaduct D1 PH segment erection	0		0%	0	08-Sep-15		15-Oct-15	27	0	0%
Viaduct E											



Actual Work
Planned Bar
Critical Bar
Milestone

Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
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Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 31 of 33 Pages)
(Progress as of 21-June-15)

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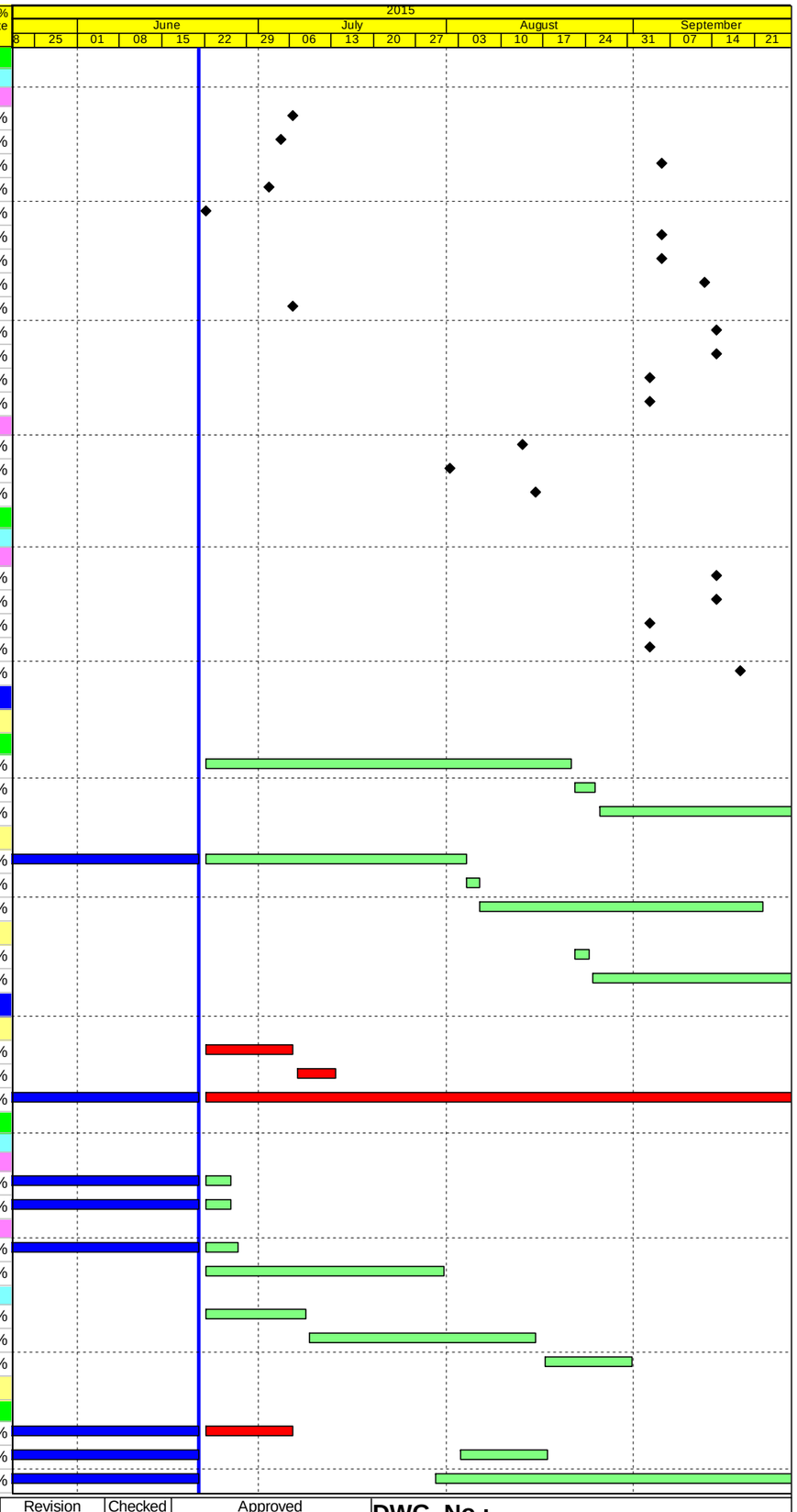
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
Bridge E1 Superstructure											
Milestones											
Milestones Ready for PH Segment Erection											
E100020	Pier C1 (C4e) ready for Viaduct E1 PH segment erection	0		0%	0	06-Jul-15		31-Mar-15	-65	0	0%
E100030	Pier D1 (D4f) ready for Viaduct E1 PH segment erection	0		0%	0	04-Jul-15		22-Apr-15	-50	18	0%
E100050	Pier E1D (E1a1) ready for Viaduct E1 PH segment erection	0		0%	0	05-Sep-15		17-Feb-16	127	0	0%
E100070	Pier E1B (E1a3) ready for Viaduct E1 PH segment erection	0		0%	0	02-Jul-15		19-Mar-15	-73	0	0%
E100080	Pier E1A (E1a4) ready for Viaduct E1 PH segment erection	0		0%	0	22-Jun-15		15-Dec-18	973	973	0%
E100090	Pier E2D (E1b1) ready for Viaduct E1 PH segment erection	0		0%	0	05-Sep-15		22-Feb-16	132	0	0%
E100100	Pier E2C (E1b2) ready for Viaduct E1 PH segment erection	0		0%	0	05-Sep-15		16-Mar-15	-127	96	0%
E100110	Pier E2B (E1b3) ready for Viaduct E1 PH segment erection	0		0%	0	12-Sep-15		08-Jan-15	-187	0	0%
E100120	Pier E2A (E1b4) ready for Viaduct E1 PH segment erection	0		0%	0	06-Jul-15		13-Dec-14	-151	0	0%
E100130	Pier E3D (E2a1) ready for Viaduct E1 PH segment erection	0		0%	0	14-Sep-15		27-Feb-16	131	70	0%
E100140	Pier E3C (E2a2) ready for Viaduct E1 PH segment erection	0		0%	0	14-Sep-15		24-Feb-15	-150	59	0%
E100150	Pier E3B (E2a3) ready for Viaduct E1 PH segment erection	0		0%	0	03-Sep-15		30-Jan-15	-160	56	0%
E100160	Pier E3A (E2a4) ready for Viaduct E1 PH segment erection	0		0%	0	03-Sep-15		07-Jan-15	-180	0	0%
Milestones Ready for Deck Segment Erection											
E100070	Pier E1B (E1a3) ready for Viaduct E1 deck segment erection	0		0%	0	13-Aug-15		04-May-15	-73	150	0%
E100080	Pier E1A (E1a4) ready for Viaduct E1 deck segment erection	0		0%	0	01-Aug-15		02-Jan-15	-158	54	0%
E100120	Pier E2A (E1b4) ready for Viaduct E1 deck segment erection	0		0%	0	15-Aug-15		23-Jan-15	-151	61	0%
Bridge E2 Superstructure											
Milestones											
Milestones Ready for PH Segment Erection											
E200010	Pier E3D (E2a1) ready for Viaduct E2 PH segment erection	0		0%	0	14-Sep-15		27-Feb-16	131	70	0%
E200020	Pier E3C (E2a2) ready for Viaduct E2 PH segment erection	0		0%	0	14-Sep-15		24-Feb-15	-150	59	0%
E200030	Pier E3B (E2a3) ready for Viaduct E2 PH segment erection	0		0%	0	03-Sep-15		30-Jan-15	-160	56	0%
E200040	Pier E3A (E2a4) ready for Viaduct E2 PH segment erection	0		0%	0	03-Sep-15		07-Jan-15	-180	0	0%
E200060	Pier E4A (E2b2) ready for Viaduct E2 PH segment erection	0		0%	0	18-Sep-15		04-Feb-15	-167	2	0%
At-Grade Roadworks & Other Works along NLH											
Viaduct A Slope Works											
Slope 9SE-B/FR8											
GFXX485	9SE-B/FR8 - Protective Fencing	46	22-Jun-15	0%	46	21-Aug-15	10-Sep-15	09-Nov-15	61	0	0%
GFXX490	9SE-B/FR8 - Mobilization for Mini Pile	3	22-Aug-15	0%	3	25-Aug-15	10-Nov-15	12-Nov-15	61	0	0%
GFXX491	9SE-B/FR8 - Installation of Mini Pile (118 No.)	148	26-Aug-15	0%	148	29-Feb-16	13-Nov-15	20-May-16	61	0	0%
At-Grade Roadworks along NLH Westbound											
RW10003	NLH W/B (Viaduct C) - Gantry Footing (GT326, GT327, GT328) - Verge (KD3	54	05-May-15 A	40%	32	04-Aug-15	29-Jun-15	08-Aug-15	5	0	0%
RW10005	NLH W/B (Viaduct C) - Implement TTM - Verge for Gantry Footings (GT324,	2	04-Aug-15*	0%	2	06-Aug-15	10-Aug-15	12-Aug-15	5	0	0%
RW10007	NLH W/B (Viaduct C) - Gantry Footing (GT324, GT325) - Verge (KD3)	36	06-Aug-15	0%	36	22-Sep-15	13-Aug-15	26-Sep-15	5	0	0%
At-Grade Roadworks along NLH Eastbound											
RW21000	NLH E/B (Viaduct A) - Implement TTM - Verge for Slope Works & Gantry Fo	2	22-Aug-15	0%	2	24-Aug-15	12-Mar-16	14-Mar-16	161	0	0%
RW21001	NLH E/B (Viaduct A) - Gantry Footing (GT319, GT320) - Verge (KD5)	36	25-Aug-15	0%	36	09-Oct-15	15-Mar-16	03-May-16	161	0	0%
At-Grade Roadworks and Other Works along Cheung Tung Road											
Re-alignment of Cheung Tung Road adjacent to Viaduct B											
RP00040	Remove equipment in existing ESS	10	22-Jun-15	0%	10	06-Jul-15	28-Apr-15	09-May-15	-38	0	0%
RP00050	Demolish existing ESS	6	07-Jul-15	0%	6	13-Jul-15	11-May-15	18-May-15	-38	84	0%
RW50020	CTR Re-alignment adj. to Via.B - Diversion of utilities (Gas, DN1000, power (	177	12-Jan-15 A	43.5%	100	31-Oct-15	09-Jan-15	18-May-15	-122	0	0%
Viaduct B Slope Works											
Slope 9SE-B/C9											
Zone A & B											
SWVB11	9SE-B/C9 Zone A1 - Form 375UC @ +5.5	12	16-Mar-15 A	80%	2	26-Jun-15	13-Dec-18	15-Dec-18	971	971	80%
SWVB13	9SE-B/C9 Zone A2 & B - Form 375UC @ +5.5	12	16-Mar-15 A	80%	2	26-Jun-15	13-Dec-18	15-Dec-18	971	971	80%
Zone C & D											
SWVB15	9SE-B/C9 Zone C & D - Form 375UC @ +5.5	18	16-Mar-15 A	80%	4	27-Jun-15	12-Dec-18	15-Dec-18	969	969	80%
SWVB15	9SE-B/C9 Zone C & D - Install Geo. Instru. & Baseline Monitoring	30	22-Jun-15	0%	30	31-Jul-15	12-Nov-18	15-Dec-18	943	943	0%
Slope 9SE-B/F85											
SWVB4030	9SE-B/F85 - Form UC	12	22-Jun-15	0%	12	08-Jul-15	26-Sep-15	12-Oct-15	74	0	0%
SWVB4035	9SE-B/F85 - Install Geo. Instru. & Baseline Monitoring	30	09-Jul-15	0%	30	15-Aug-15	13-Oct-15	19-Nov-15	74	0	0%
SWVB4040	9SE-B/F85 - Hydroseeding	12	17-Aug-15	0%	12	31-Aug-15	20-Nov-15	03-Dec-15	74	196	0%
Re-alignment of Cheung Tung Road adjacent to Viaduct C											
West Portion											
RW61000	Realign CTR (West of Abut. C) - Site Clearance	42	03-Sep-14 A	76.19%	10	06-Jul-15	13-Apr-15	25-Apr-15	-49	9	100%
RW61010	Realign CTR (West of Abut. C) - Road drainage works	60	15-Jan-15 A	80%	12	17-Aug-15	28-Aug-15	11-Sep-15	20	0	80%
RW61020	Realign CTR (West of Abut. C) - Utilily diversion	90	24-Mar-15 A	30%	63	19-Oct-15	02-Sep-15	21-Nov-15	27	918	30%



Actual Work
Planned Bar
Critical Bar
Milestone

Project ID: J3518DWPrE1-M25
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Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 32 of 33 Pages)
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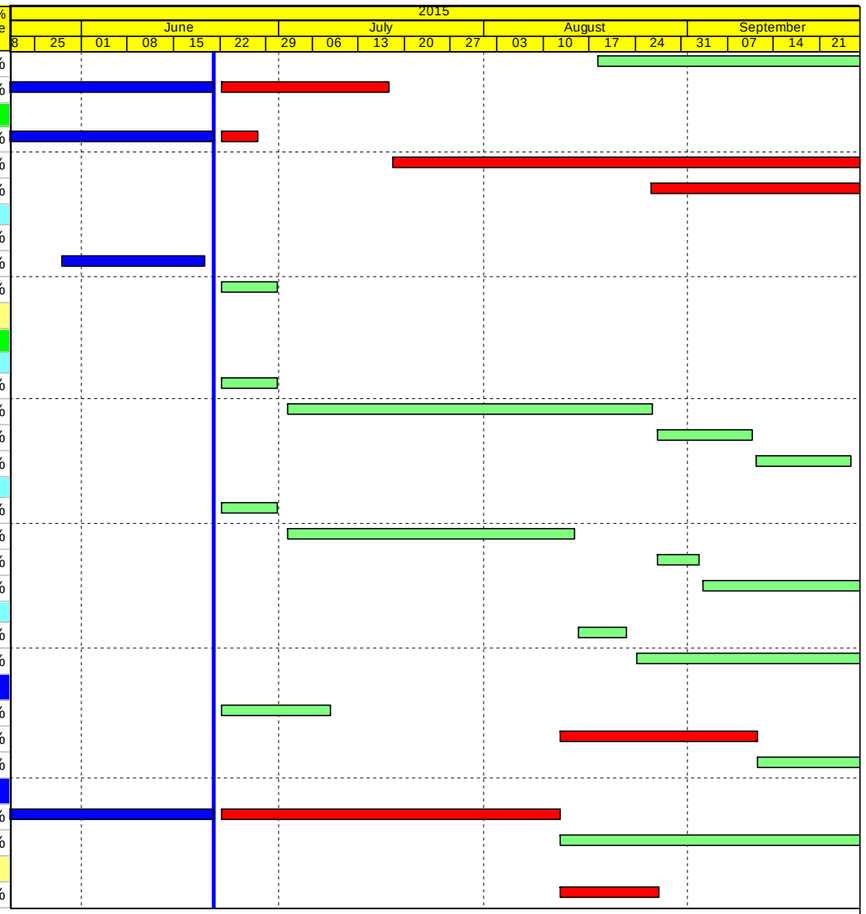
DWG. No.:
J3518/GCL/PGM/3MRP-M25

Activity ID	Activity Name	Orig. Durn.	Act. Start / FC Early Start	Duration % Complete	Rem. Durn.	Act. Finish / FC Early Finish	Late Start	Late Finish	Total Float	Free Float	Physical % Complete
RW61030	Realign CTR (West of Abut. C) - Sub-base work	48	18-Aug-15	0%	48	19-Oct-15	12-Sep-15	13-Nov-15	20	0	0%
RW61082	Realign CTR (West of Abut. C) - Road formation	48	20-Nov-14 A	60.42%	19	17-Jul-15	28-Mar-15	25-Apr-15	-58	0	30%
East Portion											
RW60000	Realign CTR (East of Abut. C) - Site Clearance	48	23-Feb-15 A	91.67%	4	27-Jun-15	21-Apr-15	25-Apr-15	-43	15	0%
RW60005	Realign CTR (East of Abut. C) - Road formation	66	18-Jul-15	0%	66	10-Oct-15	27-Apr-15	27-Jul-15	-58	0	0%
RW60010	Realign CTR (East of Abut. C) - Road drainage works	60	26-Aug-15	0%	60	11-Nov-15	06-Jun-15	27-Aug-15	-58	0	0%
ESS Sub-Station											
RP10030	Inst.Eqpt. & Testing / commissioning of new ESS	42	05-Mar-15 A	100%	0	21-May-15 A					100%
RP10040	Removal of equipment in existing ESS	10	29-May-15 A	100%	0	19-Jun-15 A					100%
RP10050	Demolish the existing ESS	6	22-Jun-15	0%	6	30-Jun-15	21-Jul-15	27-Jul-15	21	79	0%
Natural Terrain Hazard Mitigation Works											
NTHM Works - West Portion											
Check Dam no. 1 (CD1)											
GFXX501	CD1 - Mobilization of rig for Tie Back	6	22-Jun-15	0%	6	30-Jun-15	01-Sep-15	07-Sep-15	54	0	0%
GFXX502	CD1 - Installation of Tie Back (20nos.)	44	02-Jul-15	0%	44	26-Aug-15	08-Sep-15	05-Nov-15	54	0	0%
GFXX503	CD1 - Selection of load test	12	27-Aug-15	0%	12	10-Sep-15	09-Dec-15	22-Dec-15	82	0	0%
GFXX504	CD1 - Loading Test	12	11-Sep-15	0%	12	25-Sep-15	23-Dec-15	08-Jan-16	82	28	0%
Check Dam no. 2 (CD2)											
GFXX506	CD2 - Mobilization of rig for MiniPile	6	22-Jun-15	0%	6	30-Jun-15	21-Aug-15	27-Aug-15	45	0	0%
GFXX507	CD2 - Installation of MiniPile (10nos.)	35	02-Jul-15	0%	35	14-Aug-15	28-Aug-15	12-Oct-15	45	0	0%
GFXX508	CD2 - Mobilization of rig for Tie Back	6	27-Aug-15	0%	6	02-Sep-15	06-Nov-15	12-Nov-15	54	0	0%
GFXX509	CD2 - Installation of Tie Back (14nos.)	22	03-Sep-15	0%	22	02-Oct-15	13-Nov-15	08-Dec-15	54	0	0%
Check Dam no. 3 (CD3)											
GFXX513	CD3 - Mobilization of rig for MiniPile	6	15-Aug-15	0%	6	22-Aug-15	13-Oct-15	20-Oct-15	45	0	0%
GFXX514	CD3 - Installation of MiniPile (15nos.)	59	24-Aug-15	0%	59	07-Nov-15	22-Oct-15	02-Jan-16	45	0	0%
At grade Roadworks and Other Works at Southern Landfall											
RW30005	South Landfall - Initial record survey	12	22-Jun-15	0%	12	08-Jul-15	23-Jul-15	06-Aug-15	23	27	0%
RW30010	South Landfall - Mobilisation for Portion B Works	24	12-Aug-15	0%	24	11-Sep-15	07-Aug-15	05-Sep-15	-4	0	0%
RW30014	South Landfall - DN300 Fresh water main works installation & connection (Pc	60	11-Sep-15	0%	60	27-Nov-15	28-Jan-16	15-Apr-16	110	0	0%
Watermains & All Assoc Works from Tung Chung to Southern Landfall											
WM00120	Lay DN450 Fresh Water Main along re-aligned CTR (app. 500 m at 12m/day)	48	22-Apr-15 A	19%	39	12-Aug-15	11-Mar-15	02-May-15	-73	0	19%
WM00150	Lay DN450 watermain from Tung Chung to realigned CTR (1st 500m - 2 work	50	12-Aug-15	0%	50	16-Oct-15	18-May-16	27-Jul-16	216	0	0%
Pressure Testing											
TC00010	Pressure Test DN450 Fresh Water Main along re-aligned CTR (app. 520 m)	12	12-Aug-15	0%	12	27-Aug-15	04-May-15	18-May-15	-73	49	0%



Actual Work
Planned Bar
Critical Bar
Milestone

Project ID: J3518DWPrE1-M25
Layout: J3518-DWP-3MRP Submission - M25
Filter: TASK filters: 3-Month Lookahead, No CC Milestones, No Level of Effort.

Tuen Mun - Chek Lap Kok Link - Southern Connection
3-Month Rolling Programme (Page 33 of 33 Pages)
(Progress as of 21-June-15)

Date	Revision	Checked	Approved
29-May-15		WY	
02-Jul-15		HF	KWY

DWG. No.:
J3518/GCL/PGM/3MRP-M25

Appendix C

Environmental Mitigation and Enhancement Measure Implementation Schedules

(In reference to CINOTECH (2011) Agreement No. CE35/2011 EP Baseline Environmental Monitoring for Hong Kong-Zhuhai-Macao Bridge Tuen Mun-Chep Lap Kok Link – Investigation. Updated EM&A Manual for Tuen Mun-Chek Lap Kok Link)

EIA Reference	EM&A Manual Reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages			Status
						D	C	O	
AIR QUALITY									
4.8.1	3.8	An effective watering programme of eight daily watering with complete coverage, is estimated to reduce by 50%. This is recommended for all areas in order to reduce dust levels to a minimum;	All areas / throughout construction period	Contractor	TMEIA Avoid smoke impacts and disturbance		Y		<>
4.8.1	3.8	The Contractor shall, to the satisfaction of the Engineer, install effective dust suppression measures and take such other measures as may be necessary to ensure that at the Site boundary and any nearby sensitive receiver, dust levels are kept to acceptable levels.	All areas / throughout construction period	Contractor	TMEIA Avoid dust generation		Y		<>
4.8.1	3.8	The Contractor shall not burn debris or other materials on the works areas.	All areas / throughout construction period	Contractor	TMEIA Avoid dust generation		Y		✓
4.8. 1	3.8	In hot, dry or windy weather, the watering programme shall maintain all exposed road surfaces and dust sources wet.	All unpaved haul roads / throughout construction period in hot, dry or windy weather	Contractor	TMEIA Avoid smoke impacts and disturbance		Y		✓
4.8.1	3.8	Where breaking of oversize rock/concrete is required, watering shall be implemented to control dust. Water spray shall be used during the handling of fill material at the site and at active cuts, excavation and fill sites where dust is likely to be created.	All areas / throughout construction period	Contractor	TMEIA Avoid dust generation		Y		✓
4.8. 1	3.8	Open dropping heights for excavated materials shall be controlled to a maximum height of 2m to minimise the fugitive dust arising from unloading.	All areas / throughout construction period	Contractor	TMEIA Avoid dust generation		Y		✓
4.8.1	3.8	During transportation by truck, materials shall not be loaded to a level higher than the side and tail boards, and shall be dampened or covered before transport.	All areas / throughout construction period	Contractor	TMEIA Avoid dust generation		Y		✓

EIA Reference	EM&A Manual Reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages			Status
						D	C	O	
4.8.1	3.8	Materials having the potential to create dust shall not be loaded to a level higher than the side and tail boards, and shall be covered by a clean tarpaulin. The tarpaulin shall be properly secured and shall extend at least 300mm over the edges of the side and tail boards.	All areas / throughout construction period	Contractor	TMEIA Avoid dust generation		Y		✓
4.8.1	3.8	No earth, mud, debris, dust and the like shall be deposited on public roads. Wheel washing facility shall be usable prior to any earthworks excavation activity on the site.	All site exits / throughout construction period	Contractor	TMEIA Avoid dust		Y		✓
4.8.1	3.8	Areas of exposed soil shall be minimised to areas in which works have been completed shall be restored as soon as is practicable.	All exposed surfaces / throughout construction period	Contractor	TMEIA Avoid dust generation		Y		✓
4.8.1	3.8	All stockpiles of aggregate or spoil shall be enclosed or covered and water applied in dry or windy condition.	All areas / throughout construction period	Contractor	TMEIA Avoid dust generation		Y		✓
4.11	Section 3	EM&A in the form of 1 hour and 24 hour dust monitoring and site audit	All representative existing ASRs / throughout construction period	Contractor	EM&A Manual		Y		✓
NOISE									
5.11	Section 4	Noise monitoring	All existing representative sensitive receivers / during North Lantau Viaduct construction	Contractor	EM&A Manual		Y		✓
WATER QUALITY									
General Marine Works									
6.10	-	Bored piling to be undertaken within a metal casing.	Marine viaducts of TM-CLKL and HKLR/ bored piling	Contractor	TM-EIAO		Y		✓
6.10	-	Barges and hopper dredgers shall have tight fitting seals to their bottom openings to prevent leakage of material.	All areas/ throughout construction period	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		✓

EIA Reference	EM&A Manual Reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages			Status
						D	C	O	
6.10	-	Any pipe leakages shall be repaired quickly. Plant should not be operated with leaking pipes.	All areas/ throughout construction period	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		✓
6.10	-	Loading of barges and hoppers shall be controlled to prevent splashing of dredged material to the surrounding water. Barges or hoppers shall not be filled to a level which will cause overflow of materials or pollution of water during loading or transportation.	All areas/ throughout construction period	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		✓
6.10	-	Excess material shall be cleaned from the decks and exposed fittings of barges and hopper dredgers before the vessel is moved	All areas/ throughout construction period	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		✓
6.10	-	Adequate freeboard shall be maintained on barges to reduce the likelihood of decks being washed by wave action;	All areas/ throughout construction period	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		✓
6.10	-	All vessels shall be sized such that adequate clearance is maintained between vessels and the sea bed at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash.	All areas/ throughout construction period	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		✓
6.10	-	The works shall not cause foam, oil, grease, litter or other objectionable matter to be present in the water within and adjacent to the works site.	All areas/ throughout construction period	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		✓
Temporary Staging work									
	5.2	Regular inspection for the accumulation of floating refuse and collection of floating refuse if required	During temporary staging works	Contractor			Y		✓
	5.2	Provision of temporary drainage system on the temporary staging for collection of construction site runoff to allow appropriate treatment before discharge into the sea	During temporary staging works	Contractor			Y		✓
	5.2	Wastewater generated from construction works such as bored / drilling water will be collected, treated, neutralized and de-silted through silt trap or sedimentation tank before disposal	During temporary staging works	Contractor			Y		✓
	5.2	One additional water quality monitoring station is	During temporary	Contractor			Y		✓

EIA Reference	EM&A Manual Reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages			Status
						D	C	O	
		proposed at station SR4a In case elevated SS or turbidity is identified during the water quality monitoring, the source of pollution will be tracked down and be removed as soon as possible. In case depletion of dissolved oxygen is identified, artificial aeration will be arranged at the monitoring station SR4a,	staging works						
Land Works									
6.10	-	Wastewater from temporary site facilities should be controlled to prevent direct discharge to surface or marine waters.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.10	-	Sewage effluent and discharges from on- site kitchen facilities shall be directed to Government sewer in accordance with the requirements of the WPCO or collected for disposal offsite. The use of soakaways shall be avoided.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.10	-	Storm drainage shall be directed to storm drains via adequately designed sand/silt removal facilities such as sand traps, silt traps and sediment basins. Channels, earth bunds or sand bag barriers should be provided on site to properly direct stormwater to such silt removal facilities. Catchpits and perimeter channels should be constructed in advance of site formation works and earthworks.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.10	-	Silt removal facilities, channels and manholes shall be maintained and any deposited silt and grit shall be removed regularly, including specifically at the onset of and after each rainstorm.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.10	-	Temporary access roads should be surfaced with crushed stone or gravel.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.10	-	Rainwater pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.10	-	Measures should be taken to prevent the washout of construction materials, soil, silt or debris into any drainage system.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓

EIA Reference	EM&A Manual Reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages			Status
						D	C	O	
6.10	-	Open stockpiles of construction materials (e.g. aggregates and sand) on site should be covered with tarpaulin or similar fabric during rainstorms.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.10	5.8	Manholes (including any newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.10	-	Discharges of surface run-off into foul sewers must always be prevented in order not to unduly overload the foul sewerage system.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.10	-	All vehicles and plant should be cleaned before they leave the construction site to ensure that no earth, mud or debris is deposited by them on roads. A wheel washing bay should be provided at every site exit.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.10	-	Wheel wash overflow shall be directed to silt removal facilities before being discharged to the storm drain.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.10	-	Section of construction road between the wheel washing bay and the public road should be surfaced with crushed stone or coarse gravel.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.10	-	Wastewater generated from concreting, plastering, internal decoration, cleaning work and other similar activities, shall be screened to remove large objects.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.10	-	Vehicle and plant servicing areas, vehicle wash bays and lubrication facilities shall be located under roofed areas. The drainage in these covered areas shall be connected to foul sewers via a petrol interceptor in accordance with the requirements of the WPCO or collected for offsite disposal.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.10	-	The Contractor shall prepare an oil / chemical cleanup plan and ensure that leakages or spillages are contained and cleaned up immediately.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.10	-	Waste oil should be collected and stored for recycling or disposal, in accordance with the Waste Disposal Ordinance.	All areas/ throughout construction period	Contractor	TM-EIAO Waste Disposal Ordinance		Y		✓

EIA Reference	EM&A Manual Reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages			Status
						D	C	O	
6.10	-	All fuel tanks and chemical storage areas should be provided with locks and be sited on sealed areas. The storage areas should be surrounded by bunds with a capacity equal to 110% of the storage capacity of the largest tank.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		<>
6.10	-	Surface run-off from bunded areas should pass through oil/grease traps prior to discharge to the stormwater system.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		<>
6.10	-	Roadside gullies to trap silt and grit shall be provided prior to discharging the stormwater into the marine environment. The sumps will be maintained and cleaned at regular intervals.	Roadside/design and operation	Design Consultant/ Contractor	TM-EIAO	Y		Y	✓
6.10	Section 5	All construction works shall be subject to routine audit to ensure implementation of all EIA recommendations and good working practice.	All areas/ throughout construction period	Contractor	EM&A Manual		Y		✓
Water Quality Monitoring									
6.10	Section 5	Water quality monitoring shall be undertaken for suspended solids, turbidity, and dissolved oxygen. Nutrients and metal parameters shall also be measured for Mf sediment operations (only HKBCF and HKLR required handling of Mf sediment) during baseline, backfilling and post construction period. One year operation phase water quality monitoring at designated stations	Designated monitoring stations as defined in EM&A Manual, Section 5/ Before, through-out marine construction period, post construction and monthly operational phase water quality monitoring for a year.	Contractor	EM&A Manual		Y	Y	✓
ECOLOGY									
8.14	6.3	Specification for and implement pre, during and post construction dolphin abundance monitoring.	All Areas/Detailed Design/ during construction works/post construction	Design Consultant/ Contractor	TMEIA	Y	Y	Y	✓
8.14	6.3	Specification for bored piling monitoring	Detailed Design	Design Consultant	TMEIA	Y			n/a
8.14	6.3	Implement any recommendations of the bored piling monitoring	Southern marine viaduct/Throughout	Contractor	TMEIA		Y		✓

EIA Reference	EM&A Manual Reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages			Status
						D	C	O	
			construction during bored piling						
8.14	6.3,6.5	Avoidance of peak CWD calving season in May and June for driving of metal caissons during bored piling works	Southern marine viaduct/ May and June during bored piling	Contractor	TMEIA		Y		n/a
8.14	6.3,6.5	Specification and implementation of 250m dolphin exclusion zone.	All marine bored piling and temporary staging works areas/Detailed Design/during all marine bored piling and temporary staging works	Design Consultant/ Contractor	TMEIA	Y	Y		✓
8.15	6.3, 6.5	Specification and deployment of an artificial reef of an area of 3,600 m² in an area where fishing activities are prohibited.	Area of prohibited fishing activities/Detailed Design/towards end of construction period	TM-CLKL/ HKBCF Design Consultant/ TM-CLKL/ HKBCF Contractor	TMEIA	Y		Y	n/a To be enforced by AFCD.
8.14	6.3, 6.5	Specification and implementation of marine vessel control specifications	All areas/Detailed Design/during construction works	Design Consultant/ Contractor	TMEIA	Y	Y		✓
8.14	6.3, 6.5	Design and implementation of acoustic decoupling methods for marine bored piling and the whole lifespan of temporary staging works.	All areas/ Detailed Design/during marine bored piling and temporary staging works	Design Consultant/ Contractor	TMEIA	Y	Y		✓
8.15	6.3, 6.4	Pre-construction phase survey and coral translocation	Tai Ho Wan (donar site) and Yam Tsui Wan (receptor site) /Detailed Design/Prior to construction	Design Consultant/ Contractor	TMEIA	Y	Y		n/a
8.15	6.5	Audit coral translocation success	Yam Tsui Wan (receptor site)/Post translocation	Contractor	TMEIA		Y		**Completed in October 2014**
7.13	6.5	Undertaken gabion wall works in Stream NL1 in the dry season	North Lantau slope works/dry	Contractor	TMEIA		Y		n/a

EIA Reference	EM&A Manual Reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages			Status
						D	C	O	
			season/construction phase						
7.13	6.5	The loss of habitat shall be supplemented by enhancement planting in accordance with the landscape mitigation schedule.	All areas / As soon as accessible	Contractor	TMEIA		Y		n/a. To be approved by AFCD/LCSD
7.13	6.5	Spoil heaps shall be covered at all times.	All areas / Throughout construction period	Contractor	TMEIA		Y		✓
7.13	6.5	Avoid damage and disturbance to the remaining and surrounding natural habitat	All areas / Throughout construction period	Contractor	TMEIA		Y		✓
7.13	6.5	Placement of equipment in designated areas within the existing disturbed land	All areas / Throughout construction period	Contractor	TMEIA		Y		✓
7.13	6.5	Disturbed areas to be reinstated immediately after completion of the works.	All areas / Throughout construction period	Contractor	TMEIA		Y		✓
7.13	6.5	Construction activities should be restricted to the proposed works boundary	All areas / Throughout construction period	Contractor	TMEIA		Y		✓
LANDSCAPE AND VISUAL									
10.9	7.6	Round angle, patterned finishes, and oval shaped pier were considered in the viaduct design, and further details will be developed under ACABAS submission (DM3)	All areas/detailed design	Design Consultant	TMEIA	Y			n/a
10.9	7.6	Details of the street furniture will be developed in the detailed design stage (DM4)	All areas/detailed design	Design Consultant	TMEIA	Y			n/a
10.9	7.6	Aesthetic design of the viaduct, retaining wall and other structures will be developed under ACABAS submission (DM5)	All areas/detailed design	Design Consultant	TMEIA	Y			n/a
10.9	7.6	Existing trees on boundary of the Project Area shall be carefully protected during construction. Detailed Tree Protection Specification shall be provided in the Contract Specification. Under this specification, the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees	All areas/detailed design/ during construction	Design Consultant/ Contractor	TMEIA	Y	Y		✓

EIA Reference	EM&A Manual Reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages			Status
						D	C	O	
		prior to undertaking any works adjacent to all retained trees, including trees in contractor's works areas. (Tree protection measures will be detailed at Tree Removal Application stage) (CM1)							
10.9	7.6	Trees unavoidably affected by the works shall be transplanted where practical. Trees will be transplanted straight to their final receptor site and not held in a temporary nursery. A detailed Tree Transplanting Specification shall be provided in the Contract Specification. Sufficient time for necessary tree root and crown preparation periods shall be allowed in the project programme (CM2)	All areas/detailed design/ during construction	Design Consultant/ Contractor	TMEIA	Y	Y		✓ Implemented as the Contract Specification
10.9	7.6	Hillside and roadside screen planting to proposed roads, associated structures and slope works (CM3).	All areas/detailed design/ during construction/post construction	Design Consultant/	TMEIA	Y	Y		✓
10.9	7.6	Hydroseeding or sheeting of soil stockpiles with visually unobtrusive material (in earth tone) (CM4)	All areas/detailed design/ during construction/post construction	Design Consultant/ Contractor	TMEIA	Y	Y		✓
10.9	7.6	Screening of construction works by hoardings around works area in visually unobtrusive colours, to screen works (CM5)	All areas/detailed design/ during construction/post construction	Design Consultant/ Contractor	TMEIA	Y	Y		✓
10.9	7.6	Control night-time lighting and glare by hooding all lights (CM6)	All areas/detailed design/ during construction	Design Consultant/ Contractor	TMEIA	Y	Y		✓
10.9	7.6	Ensure no run-off into water body adjacent to the Project Area (CM7)	All areas/detailed design/ during construction	Design Consultant/ Contractor	TMEIA	Y	Y		✓
10.9	7.6	Avoidance of excessive height and bulk of buildings and structures (CM8)	All areas/detailed design/ during construction	Design Consultant/ Contractor	TMEIA	Y	Y		✓

EIA Reference	EM&A Manual Reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages			Status
						D	C	O	
10.9	7.6	Recycle/Reuse all felled trees and vegetation, e.g. mulching (CM9)	All areas/detailed design/ during construction	Design Consultant/ Contractor	TMEIA	Y	Y		n/a
10.9	7.6	Compensatory tree planting shall be provided to the satisfaction of relevant Government departments. Required numbers and locations of compensatory trees shall be determined and agreed separately with Government during the Tree Felling Application process under ETWBTC 3/2006 (CM10).	All areas/detailed design/ during construction	Design Consultant/ Contractor	TMEIA	Y	Y		✓ Tree removal on 4 July 2015
10.9	7.6	Re-vegetation of affected woodland/shrubland with native species (OM1)	All areas/detailed design/ during construction/ during operation	Design Consultant/ Contractor	TMEIA	Y	Y	Y	n/a. To be implemented by AFCD/HyD/ L CSD
10.9	7.6	Tall buffer screen tree / shrub / climber planting should be incorporated to soften hard engineering structures and facilities (OM2)	All areas/detailed design/ during construction/ during operation	Design Consultant/ Contractor	TMEIA	Y	Y	Y	n/a To be implemented by HyD/LCSD
10.9	7.6	Streetscape elements (e.g. paving, signage, street furniture, lighting etc.) shall be sensitively designed in a manner that responds to the local context, and minimises potential negative landscape and visual impacts. Lighting units should be directional and minimise unnecessary light spill (OM3)	All areas/detailed design/ during construction / during operation	Design Consultant/ Contractor	TMEIA	Y	Y	Y	n/a. To be implemented by HyD/LCSD
10.9	7.6	Structure, ornamental tree / shrub / climber planting should be provided along roadside amenity strips, central dividers and newly formed slopes to enhance the townscape quality and further greenery enhancement (OM4)	All areas/detailed design/ during construction / during operation	Design Consultant/ Contractor	TMEIA	Y	Y	Y	n/a. To be implemented by HyD/LCSD
10.9	7.6	Aesthetically pleasing design (visually unobtrusive and	All areas/detailed	Design	TMEIA	Y	Y	Y	n/a.

EIA Reference	EM&A Manual Reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages			Status
						D	C	O	
		non-reflective) as regard to the form, material and finishes	design/ during construction / during operation	Consultant/ Contractor					To be implemented by HyD
WASTE									
12.6		The Contractor shall identify a coordinator for the management of waste.	Contract mobilisation	Contractor	TMEIA		Y		✓
12.6		The Contractor shall prepare and implement a Waste Management Plan which specifies procedures such as a ticketing system, to facilitate tracking of loads and to ensure that illegal disposal of wastes does not occur, and protocols for the maintenance of records of the quantities of wastes generated, recycled and disposed. A recording system for the amount of waste generated, recycled and disposed (locations) should be established.	Contract mobilisation	Contractor	TMEIA, Works Branch Technical Circular No. 5/99 for the Trip-ticket System for Disposal of Construction and Demolition Material		Y		✓
12.6		The Contractor shall apply for and obtain the appropriate licenses for the disposal of public fill, chemical waste and effluent discharges.	Contract mobilisation	Contractor	TMEIA, Land (Miscellaneous Provisions) Ordinance (Cap 28); Waste Disposal Ordinance (Cap 354); Dumping at Sea Ordinance (Cap 466); Water Pollution Control Ordinance.		Y		✓
12.6	8.1	Training shall be provided to workers about the concepts of site cleanliness and appropriate waste management procedures including waste reduction, reuse and recycling.	Contract Mobilisation	Contractor	TMEIA		Y		✓
12.6	8.1	The extent of cutting operation should be optimised where possible. Earth retaining structures and bored pile walls should be proposed to minimise the extent of cutting.	All areas / throughout construction period	Contractor	TMEIA		Y		✓

EIA Reference	EM&A Manual Reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages			Status
						D	C	O	
12.6	8.1	Rock armour from the existing seawall should be reused on the new sloping seawall as far as possible	All areas / throughout construction period	Contractor	TMEIA		Y		✓
12.6	8.1	The site and surroundings shall be kept tidy and litter free.	All areas / throughout construction period	Contractor	TMEIA		Y		✓
12.6	8.1	No waste shall be burnt on site.	All areas / throughout construction period	Contractor	TMEIA		Y		✓
12.6	8.1	Provisions to be made in contract documents to allow and promote the use of recycled aggregates where appropriate.	Detailed Design	Design Consultant	TMEIA	Y			n/a
12.6	8.1	The Contractor shall be prohibited from disposing of C&D materials at any sensitive locations. The Contractor should propose the final disposal sites in the EMP and WMP for approval before implementation.	All areas / throughout construction period	Contractor	TMEIA		Y		✓
12.6	8.1	Stockpiled material shall be covered by tarpaulin and /or watered as appropriate to prevent windblown dust/ surface run off.	All areas / throughout construction period	Contractor	TMEIA		Y		✓
12.6	8.1	Excavated material in trucks shall be covered by tarpaulins to reduce the potential for spillage and dust generation.	All areas / throughout construction period	Contractor	TMEIA		Y		✓
12.6	8.1	Wheel washing facilities shall be used by all trucks leaving the site to prevent transfer of mud onto public roads.	All areas / throughout construction period	Contractor	TMEIA		Y		✓
12.6	8.1	Standard formwork or pre-fabrication should be used as far as practicable so as to minimise the C&D materials arising. The use of more durable formwork/plastic facing for construction works should be considered. The use of wooden hoardings should be avoided and metal hoarding should be used to facilitate recycling. Purchasing of construction materials should avoid over-ordering and wastage.	All areas / throughout construction period	Contractor	TMEIA		Y		✓
12.6	8.1	The Contractor should recycle as many C&D	All areas / throughout	Contractor	TMEIA		Y		✓

EIA Reference	EM&A Manual Reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages			Status
						D	C	O	
		materials (this is a waste section) as possible on-site. The public fill and C&D waste should be segregated and stored in separate containers or skips to facilitate the reuse or recycling of materials and proper disposal. Where practicable, the concrete and masonry should be crushed and used as fill materials. Steel reinforcement bar should be collected for use by scrap steel mills. Different areas of the sites should be considered for segregation and storage activities.	construction period						
12.6	8.1	All falsework will be steel instead of wood.	All areas / throughout construction period	Contractor	TMEIA		Y		✓
12.6	8.1	Chemical waste producers should register with the EPD. Chemical waste should be handled in accordance with the Code of Practice on the Packaging, Handling and Storage of Chemical Wastes as follows: - suitable for the substance to be held, resistant to corrosion, maintained in good conditions and securely closed; - Having a capacity of <450L unless the specifications have been approved by the EPD; and - Displaying a label in English and Chinese according to the instructions prescribed in Schedule 2 of the Regulations. Clearly labelled and used solely for the storage of chemical wastes; - Enclosed with at least 3 sides; - Impermeable floor and bund with capacity to accommodate 110% of the volume of the largest container or 20% by volume of the chemical waste stored in the area, whichever is greatest; - Adequate ventilation; - Sufficiently covered to prevent rainfall entering	All areas / throughout construction period	Contractor	TMEIA		Y		<>

EIA Reference	EM&A Manual Reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages			Status
						D	C	O	
		(water collected within the bund must be tested and disposed of as chemical waste, if necessary); and - Incompatible materials are adequately separated.							
12.6	8.1	Waste oils, chemicals or solvents shall not be disposed of to drain,	All areas / throughout construction period	Contractor	TMEIA		Y		✓
12.6	8.1	Adequate numbers of portable toilets should be provided for on-site workers. Portable toilets should be maintained in reasonable states, which will not deter the workers from utilising them.	All areas / throughout construction period	Contractor	TMEIA		Y		✓
12.6	8.1	Night soil should be regularly collected by licensed collectors.	All areas / throughout construction period	Contractor	TMEIA		Y		✓
12.6	8.1	General refuse arising on-site should be stored in enclosed bins or compaction units separately from C&D and chemical wastes. Sufficient dustbins shall be provided for storage of waste as required under the Public Cleansing and Prevention of Nuisances By-laws. In addition, general refuse shall be cleared daily and shall be disposed of to the nearest licensed landfill or refuse transfer station. Burning of refuse on construction sites is prohibited.	All areas / throughout construction period	Contractor	TMEIA		Y		✓
12.6	8.1	All waste containers shall be in a secure area on hardstanding;	All areas / throughout construction period	Contractor	TMEIA		Y		✓
12.6	8.1	Training shall be provided to workers about the concepts of site cleanliness and appropriate waste management procedure, including waste reduction, reuse and recycling.	All areas / throughout construction period	Contractor	TMEIA		Y		✓
12.6	8.1	Office wastes can be reduced by recycling of paper if such volume is sufficiently large to warrant collection. Participation in a local	Site Offices/ throughout construction period	Contractor	TMEIA		Y		✓

EIA Reference	EM&A Manual Reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages			Status
						D	C	O	
		collection scheme by the Contractor should be advocated. Waste separation facilities for paper, aluminium cans, plastic bottles, etc should be provided on-site.							
12.6	Section 8	EM&A of waste handling, storage, transportation, disposal procedures and documentation through the site audit programme shall be undertaken.	All areas / throughout construction period	Contractor	EM&A Manual		Y		✓
CULTURAL HERITAGE									
11.8	Section 9	EM&A in the form of audit of the mitigation measures	All areas / throughout construction period	Highways Department	EIAO-TM		Y		n/a

Notes:

Legend: D=Design, C=Construction, O=Operation

Note: Funding Agent for all mitigation measures will be the Highways Department of the Hong Kong SAR Government

Status:

✓	Compliance of Mitigation Measures
<>	Compliance of Mitigation but need improvement
x	Non-compliance of Mitigation Measures
▲	Non-compliance of Mitigation Measures but rectified by Contractor
Δ	Deficiency of Mitigation Measures but rectified by Contractor
n/a	Not Applicable in Reporting Period

Appendix D

Summary of Action and Limit Levels

Table D1 Action and Limit Levels for 1-hour and 24-hour TSP

Parameters	Action	Limit
24 Hour TSP Level in μg/m³	ASR9A/ASR8A = 178 ASR9C/ASR8/ASR9 = 178	260
1 Hour TSP Level in μg /m³	ASR9A/ASR8A = 394 ASR9C/ASR8/ ASR9 = 393	500

Table D2 Action and Limit Levels for Construction Noise (0700-1900 hrs of normal weekdays)

Time Period	Action	Limit
0700-1900 hrs on normal weekdays	When one documented complaint is received	75* dB(A)

Table D3 Action and Limit Levels for Water Quality

Parameter	Action Level#	Limit Level#
DO in mg/L [(a)]	Surface and Middle **5.0 mg/L** Bottom **4.7 mg/L**	Surface and Middle **4.2 mg/L** Bottom **3.6 mg/L**
Turbidity in NTU (Depth-averaged [(b), (c)])	120% of upstream control station at the same tide of the same day and 95%-ile of baseline data, i.e., **27.5 NTU**	130% of upstream control station at the same tide of the same day and 99%-ile of baseline data, i.e., **47.0 NTU**
SS in mg/L (Depth-averaged [(b), (c)])	120% of upstream control station at the same tide of the same day and 95%-ile of baseline data, i.e., **23.5 mg/L**	130% of upstream control station at the same tide of the same day and 10mg/L for WSD Seawater Intakes at Tuen Mun and 99%-ile of baseline data, i.e., **34.4 mg/L**

Notes:

Baseline data: data from HKZMB Baseline Water Quality Monitoring between 6 and 31 October 2011.

(a) For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.

(b) "Depth-averaged" is calculated by taking the arithmetic means of reading of all three depths

(c) For turbidity and SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.

(d) All figures given in the table are used for reference only, and EPD may amend the figures whenever it is considered as necessary

Parameter	Action Level#	Limit Level#
(e) The 1%-ile of baseline data for surface and middle DO is 4.2 mg/L, whilst for bottom DO is 3.6 mg/L.		

Table D4 Action and Limit Levels for Impact Dolphin Monitoring

	North Lantau Social Cluster	
	NEL	**NWL**
Action Level	STG < 70% of baseline & ANI < 70% of baseline	STG < 70% of baseline & ANI < 70% of baseline
Limit Level	[STG < 40% of baseline & ANI < 40% of baseline] and STG < 40% of baseline & ANI < 40% of baseline	

Notes:

1. STG means quarterly encounter rate of number of dolphin sightings, which is **6.00 in NEL** and **9.85 in NWL** during the baseline monitoring period
2. ANI means quarterly encounter rate of total number of dolphins, which is **22.19 in NEL** and **44.66 in NWL** during the baseline monitoring period
3. For North Lantau Social Cluster, AL will be trigger if NEL or NWL fall below the criteria; LL will be triggered if both NEL and NWL fall below the criteria.

Table D5 Derived Value of Action Level (AL) and Limit Level (LL)

	North Lantau Social Cluster	
	NEL	**NWL**
Action Level	STG < 4.2 & ANI< 15.5	STG < 6.9 & ANI < 31.3
Limit Level	[STG < 2.4 & ANI <8.9] and [STG < 3.9 & ANI <17.9]	

Appendix E

Calibration Certificates of Monitoring Equipments

High-Volume TSP Sampler
5-Point Calibration Record

Location	:	ASR8(A)
Calibrated by	:	P.F.Yeung
Date	:	28/05/2015

Sampler

Model	:	TE-5170
Serial Number	:	S/N 3956

Calibration Orfice and Standard Calibration Relationship

Serial Number	:	2454
Service Date	:	24 Mar 2015
Slope (m)	:	2.09532
Intercept (b)	:	-0.03812
Correlation Coefficient(r)	:	0.99994

Standard Condition

Pstd (hpa)	:	1013
Tstd (K)	:	298.18

Calibration Condition

Pa (hpa)	:	1005
Ta(K)	:	303

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC (chart)	Y (corrected)
1	18 holes	11.2	3.306	1.596	54	53.34
2	13 holes	9.5	3.045	1.471	49	48.40
3	10 holes	6.8	2.576	1.248	42	41.49
4	7 holes	4.4	2.072	1.007	35	34.57
5	5 holes	2.6	1.593	0.778	28	27.66

Notes:Z=SQRT{dH(Pa/Pstd)(Tstd/Ta)}, X=Z/m-b ,Y(Corrected Flow)=IC*{SQRT(Pa/Pstd)(Tstd/Ta)}

Sampler Calibration Relationship (Linear Regression)

Slope(m):30.911 Intercept(b): 3.381 Correlation Coefficient(r): 0.9990

Checked by: Magnum Fan Date: 01/06/2015

High-Volume TSP Sampler
5-Point Calibration Record

Location	:	ASR9
Calibrated by	:	P.F.Yeung
Date	:	28/05/2015

Sampler

Model	:	TE-5170
Serial Number	:	S/N 3958

Calibration Orfice and Standard Calibration Relationship

Serial Number	:	2454
Service Date	:	24 Mar 2015
Slope (m)	:	2.09532
Intercept (b)	:	-0.03812
Correlation Coefficient(r)	:	0.99994

Standard Condition

Pstd (hpa)	:	1013
Tstd (K)	:	298.18

Calibration Condition

Pa (hpa)	:	1005
Ta(K)	:	303

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC (chart)	Y (corrected)
1	18 holes	9.4	3.029	1.464	50	49.39
2	13 holes	7.2	2.651	1.283	44	43.46
3	10 holes	5.6	2.338	1.134	38	37.54
4	7 holes	3.8	1.926	0.937	31	30.62
5	5 holes	2.4	1.530	0.749	23	22.72

Notes:Z=SQRT{dH(Pa/Pstd)(Tstd/Ta)}, X=Z/m-b ,Y(Corrected Flow)=IC*{SQRT(Pa/Pstd)(Tstd/Ta)}

Sampler Calibration Relationship (Linear Regression)

Slope(m):37.277 Intercept(b): -4.753 Correlation Coefficient(r): 0.9992

Checked by: Magnum Fan Date: 01/06/2015

High-Volume TSP Sampler
5-Point Calibration Record

Location	:	ASR8(A)
Calibrated by	:	P.F.Yeung
Date	:	28/07/2015

Sampler

Model	:	TE-5170
Serial Number	:	S/N 3956

Calibration Orfice and Standard Calibration Relationship

Serial Number	:	2454
Service Date	:	24 Mar 2015
Slope (m)	:	2.09532
Intercept (b)	:	-0.03812
Correlation Coefficient(r)	:	0.99994

Standard Condition

Pstd (hpa)	:	1013
Tstd (K)	:	298.18

Calibration Condition

Pa (hpa)	:	1012
Ta(K)	:	304

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC (chart)	Y (corrected)
1	18 holes	11.8	3.399	1.641	56	55.42
2	13 holes	9.8	3.098	1.497	51	50.47
3	10 holes	7.2	2.655	1.285	45	44.53
4	7 holes	4.8	2.168	1.053	37	36.61
5	5 holes	2.8	1.656	0.808	28	27.71

Notes:Z=SQRT{dH(Pa/Pstd)(Tstd/Ta)}, X=Z/m-b ,Y(Corrected Flow)=IC*{SQRT(Pa/Pstd)(Tstd/Ta)}

Sampler Calibration Relationship (Linear Regression)

Slope(m):32.928 Intercept(b): 1.564 Correlation Coefficient(r): 0.9990

Checked by: Magnum Fan Date: 03/08/2015

High-Volume TSP Sampler
5-Point Calibration Record

Location	:	ASR9
Calibrated by	:	P.F.Yeung
Date	:	28/07/2015

Sampler

Model	:	TE-5170
Serial Number	:	S/N 3958

Calibration Orfice and Standard Calibration Relationship

Serial Number	:	2454
Service Date	:	24 Mar 2015
Slope (m)	:	2.09532
Intercept (b)	:	-0.03812
Correlation Coefficient(r)	:	0.99994

Standard Condition

Pstd (hpa)	:	1013
Tstd (K)	:	298.18

Calibration Condition

Pa (hpa)	:	1012
Ta(K)	:	304

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC (chart)	Y (corrected)
1	18 holes	11.6	3.370	1.627	56	55.42
2	13 holes	9.2	3.002	1.451	50	49.48
3	10 holes	7.0	2.618	1.268	44	43.54
4	7 holes	4.5	2.099	1.020	36	35.63
5	5 holes	2.7	1.626	0.794	27	26.72

Notes:Z=SQRT{dH(Pa/Pstd)(Tstd/Ta)}, X=Z/m-b ,Y(Corrected Flow)=IC*{SQRT(Pa/Pstd)(Tstd/Ta)}

Sampler Calibration Relationship (Linear Regression)

Slope(m):34.093 Intercept(b):0.224 Correlation Coefficient(r): 0.9992

Checked by: Magnum Fan Date: 03/08/2015

TISCH ENVIRONMENTAL, INC.
145 SOUTH MIAMI AVE
VILLAGE OF CLEVES, OH
45002
513.467.9000
877.263.7610 TOLL FREE
513.467.9009 FAX

ORIFICE TRANSFER STANDARD CERTIFICATION WORKSHEET TE-5025A

Date - Mar 24, 2015 Rootsmeter S/N 0438320 Ta (K) - 292
Operator Tisch Orifice I.D. - 2454 Pa (mm) - 756.92

PLATE OR Run #	VOLUME START (m3)	VOLUME STOP (m3)	DIFF VOLUME (m3)	DIFF TIME (min)	METER DIFF Hg (mm)	ORFICE DIFF H2O (in.)
1	NA	NA	1.00	1.4460	3.2	2.00
2	NA	NA	1.00	1.0300	6.4	4.00
3	NA	NA	1.00	0.9180	7.9	5.00
4	NA	NA	1.00	0.8780	8.7	5.50
5	NA	NA	1.00	0.7240	12.6	8.00

DATA TABULATION

Vstd	(x axis) Qstd	(y axis)		Va	(x axis) Qa	(y axis)
1.0121	0.6999	1.4258		0.9958	0.6886	0.8784
1.0078	0.9785	2.0163		0.9916	0.9627	1.2422
1.0057	1.0955	2.2543		0.9895	1.0779	1.3888
1.0047	1.1443	2.3644		0.9885	1.1258	1.4566
0.9994	1.3805	2.8515		0.9833	1.3582	1.7568
Qstd slope (m) =		2.09532		Qa slope (m) =		1.31205
intercept (b) =		-0.03812		intercept (b) =		-0.02349
coefficient (r) =		0.99994		coefficient (r) =		0.99994
y axis = SQRT[H2O(Pa/760)(298/Ta)]				y axis = SQRT[H2O(Ta/Pa)]		

CALCULATIONS

Vstd = Diff. Vol[(Pa-Diff. Hg)/760](298/Ta)
Qstd = Vstd/Time

Va = Diff Vol [(Pa-Diff Hg)/Pa]
Qa = Va/Time

For subsequent flow rate calculations:

Qstd = 1/m{[SQRT(H2O(Pa/760)(298/Ta))]- b}
Qa = 1/m{[SQRT H2O(Ta/Pa)]- b}

輝創工程有限公司
Sun Creation Engineering Limited
Calibration and Testing Laboratory

Certificate of Calibration
校正證書

Certificate No. : C153241
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC15-1330) Date of Receipt / 收件日期 : 10 June 2015

Description / 儀器名稱 : Sound Level Calibrator
Manufacturer / 製造商 : Rion
Model No. / 型號 : NC-73
Serial No. / 編號 : 10997142
Supplied By / 委託者 : Envirotech Services Co.
Shop 6, G/F., Casio Mansion, 209 Shaukeiwan Road,
Hong Kong

TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23 ± 2)°C Relative Humidity / 相對濕度 : (55 ± 20)%
Line Voltage / 電壓 : ---

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 14 June 2015

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.
All results are within manufacturer's specification.
The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- Agilent Technologies / Keysight Technologies
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA

Tested By 測試 : K C Lee
Project Engineer

Certified By 核證 : H C Chan
Engineer

Date of Issue 簽發日期 : 16 June 2015

Sun Creation Engineering Limited – Calibration & Testing Laboratory
c/o 4/F, Tsing Shan Wan Exchange Building, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong
輝創工程有限公司 – 校正及檢測實驗所
c/o 香港新界屯門興安里一號青山灣機樓四樓
Tel/電話: 2927 2606 Fax/傳真: 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

輝創工程有限公司
Sun Creation Engineering Limited
Calibration and Testing Laboratory

Certificate of Calibration
校正證書

Certificate No. : C153241
證書編號

1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours before the commencement of the test.

2. The results presented are the mean of 3 measurements at each calibration point.

3. Test equipment :

Equipment ID	Description	Certificate No.
CL130	Universal Counter	C143868
CL281	Multifunction Acoustic Calibrator	DC130171
TST150A	Measuring Amplifier	C141558

4. Test procedure : MA100N.

5. Results :

5.1 Sound Level Accuracy

UUT Nominal Value	Measured Value (dB)	Mfr's Spec. (dB)	Uncertainty of Measured Value (dB)
94 dB, 1 kHz	93.7	± 0.5	± 0.2

5.2 Frequency Accuracy

UUT Nominal Value (kHz)	Measured Value (kHz)	Mfr's Spec.	Uncertainty of Measured Value (Hz)
1	0.986	1 kHz ± 2 %	± 1

Remark : The uncertainties are for a confidence probability of not less than 95 %.

Note :
The values given in this Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Sun Creation Engineering Limited shall not be liable for any loss or damage resulting from the use of the equipment.

Sun Creation Engineering Limited – Calibration & Testing Laboratory
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輝創工程有限公司 – 校正及檢測實驗所
c/o 香港新界屯門興安里一號青山灣機樓四樓
Tel/電話: 2927 2606 Fax/傳真: 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

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Sun Creation Engineering Limited
Calibration and Testing Laboratory

Certificate of Calibration
校正證書

Certificate No. : C144558
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC14-1853) Date of Receipt / 收件日期 : 22 July 2014

Description / 儀器名稱 : Sound Level Meter
Manufacturer / 製造商 : Rion
Model No. / 型號 : NL-31
Serial No. / 編號 : 00603867
Supplied By / 委託者 : Envirotech Services Co.
Shop 6, G/F., Casio Mansion, 209 Shaukeiwan Road,
Hong Kong

TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23 ± 2)°C Relative Humidity / 相對濕度 : (55 ± 20)%
Line Voltage / 電壓 : ---

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 29 July 2014

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.
All results are within manufacturer's specification.
The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA
- Agilent Technologies, USA

Tested By 測試 : K C Lee, Project Engineer

Certified By 核證 : K M Wu, Engineer

Date of Issue 簽發日期 : 30 July 2014

輝創工程有限公司
Sun Creation Engineering Limited
Calibration and Testing Laboratory

Certificate of Calibration
校正證書

Certificate No. : C144558
證書編號

1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

2. Self-calibration was performed before the test.

3. The results presented are the mean of 3 measurements at each calibration point.

4. Test equipment :

Equipment ID	Description	Certificate No.
CL280	40 MHz Arbitrary Waveform Generator	C140016
CL281	Multifunction Acoustic Calibrator	DC130171

5. Test procedure : MA101N.

6. Results :

6.1 Sound Pressure Level

6.1.1 Reference Sound Pressure Level

UUT Setting				Applied Value		UUT Reading (dB)	IEC 61672 Class 1 Spec. (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)		
30 - 120	L_A	A	Fast	94.00	1	93.6	± 1.1

6.1.2 Linearity

UUT Setting				Applied Value		UUT Reading (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	
30 - 120	L_A	A	Fast	94.00	1	93.6 (Ref.)
				104.00		103.6
				114.00		113.6

IEC 61672 Class 1 Spec. : ± 0.6 dB per 10 dB step and ± 1.1 dB for overall different.

6.2 Time Weighting

UUT Setting				Applied Value		UUT Reading (dB)	IEC 61672 Class 1 Spec. (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)		
30 - 120	L_A	A	Fast	94.00	1	93.6	Ref.
			Slow			93.5	± 0.3

Sun Creation Engineering Limited – Calibration & Testing Laboratory
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Certificate of Calibration
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Certificate No. : C144558
證書編號

6.3 Frequency Weighting

6.3.1 A-Weighting

UUT Setting				Applied Value		UUT Reading (dB)	IEC 61672 Class 1 Spec. (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
30 - 120	L_A	A	Fast	94.00	63 Hz	67.3	-26.2 ± 1.5
					125 Hz	77.3	-16.1 ± 1.5
					250 Hz	84.9	-8.6 ± 1.4
					500 Hz	90.3	-3.2 ± 1.4
					1 kHz	93.6	Ref.
					2 kHz	94.9	+1.2 ± 1.6
					4 kHz	94.7	+1.0 ± 1.6
					8 kHz	92.5	-1.1 (+2.1 ; -3.1)
					12.5 kHz	89.7	-4.3 (+3.0 ; -6.0)

6.3.2 C-Weighting

UUT Setting				Applied Value		UUT Reading (dB)	IEC 61672 Class 1 Spec. (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
30 - 120	L_C	C	Fast	94.00	63 Hz	92.7	-0.8 ± 1.5
					125 Hz	93.4	-0.2 ± 1.5
					250 Hz	93.6	0.0 ± 1.4
					500 Hz	93.6	0.0 ± 1.4
					1 kHz	93.6	Ref.
					2 kHz	93.5	-0.2 ± 1.6
					4 kHz	92.9	-0.8 ± 1.6
					8 kHz	90.6	-3.0 (+2.1 ; -3.1)
					12.5 kHz	87.8	-6.2 (+3.0 ; -6.0)

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Calibration and Testing Laboratory

Certificate of Calibration
校正證書

Certificate No. : C144558
證書編號

Remarks : - UUT Microphone Model No. : UC-53A & S/N : 316987

- Mfr's Spec. : IEC 61672 Class 1

- Uncertainties of Applied Value :

94 dB	: 63 Hz - 125 Hz	:	± 0.35 dB
	250 Hz - 500 Hz	:	± 0.30 dB
	1 kHz	:	± 0.20 dB
	2 kHz - 4 kHz	:	± 0.35 dB
	8 kHz	:	± 0.45 dB
	12.5 kHz	:	± 0.70 dB
104 dB	: 1 kHz	:	± 0.10 dB (Ref. 94 dB)
114 dB	: 1 kHz	:	± 0.10 dB (Ref. 94 dB)

- The uncertainties are for a confidence probability of not less than 95 %.

Note :
The values given in this Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Sun Creation Engineering Limited shall not be liable for any loss or damage resulting from the use of the equipment.

Sun Creation Engineering Limited – Calibration & Testing Laboratory
c/o 4/F, Tsing Shan Wan Exchange Building, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong
輝創工程有限公司 – 校正及檢測實驗所
c/o 香港新界屯門興安里一號青山灣機樓四樓
Tel/電話: 2927 2606 Fax/傳真: 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Performance Check of Turbidity Meter

Equipment Ref. No. : ET/0505/011 Manufacturer : HACH

Model No. : 2100Q Serial No. : 12060 C 018534

Date of Calibration : 02/07/2015 Due Date : 01/10/2015

Ref. No. of Turbidity Standard used (4000NTU)	005/6.1/001/7

Theoretical Value of Turbidity Standard (NTU)	Measured Value (NTU)	Difference % *
20	19.7	-1.50
100	98.4	-1.60
800	790	-1.25

(*) Difference = (Measured Value – Theoretical Value) / Theoretical Value x 100

Acceptance Criteria

Difference : -5 % to 5 %

The turbidity meter complies * / ~~does not comply~~ * with the specified requirements and is deemed acceptable * / ~~unacceptable~~ * for use. Measurements are traceable to national standards.

Prepared by : _____ Checked by : _____

Internal Calibration & Performance Check of pH Meter

Equipment Ref. No. :	ET/EW007/005	Manufacturer :	Thermo Scientific
Model No. :	Orion 2 Star	Serial No. :	B29792
Date of Calibration :	06/06/2015	Calibration Due Date :	05/07/2015

Liquid Junction Error

003/5.2/001/24 (20℃)

Primary Standard Solution Used : Phosphate — Ref No. of Primary Solution: 003/5.2/001/25 (25℃)

Temperature of Solution :	25.0 / 20.0	$\Delta pH_{½}$ =	+0.01 / +0.01
pH value of diluted buffer :	6.89 / 6.92	pH (S) =	6.86 / 6.88
ΔpH = pH(S) - pH of diluted buffer =	0.03 / 0.04	(Observed Deviation)	
Liquid Junction Error (ΔpH_j) = ΔpH - $\Delta pH_{½}$ =	0.02 / 0.03		

Shift on Stirring

pH of buffer solution (with stirring), pH_s =	6.90 /	6.92
Shift on stirring, ΔpH_s= pH_s - pH(S) - ΔpH_j =	0.02 /	0.01

Noise

Noise, ΔpH_n = difference between max and min reading : 0.01 / 0.01

Verification of ATC

Ref. No. of reference thermometer used:	ET/0521/019	/ ET/0521/019	
Temperature record from the reference thermometer (T_R)	25	/ 20	°C
Temperature record from the ATC (T_{ATC}):	24.8	/ 19.9	°C
Temperature Difference, $\lvert T_R - T_{ATC} \rvert$	0.2	/ 0.1	°C
Correction	0.2	/ 0.1	°C

Acceptance Criteria

Performance Characteristic		Acceptable Range
Liquid Junction Error	ΔpHj	≤0.05
Shift on Stirring	ΔpHs	≤0.02
Noise	ΔpHn	≤0.02
Verifcation of ATC	Temperature Difference	≤0.5°C

The pH meter complies * / ~~does not comply~~ * with the specified requirements and is deemed acceptable * / ~~unacceptable~~ * for use. Measurements are traceable to national standards.
* Delete as appropriate

Calibrated by: _____ Checked by : _____

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

'Form E/CE/L/15/Issue 2 (1/1) [04/15]

Internal Calibration & Performance Check of pH Meter

Equipment Ref. No. :	ET/EW007/006	Manufacturer :	Thermo Scientific
Model No. :	Orion 2 Star	Serial No. :	B29792
Date of Calibration :	06/07/2015	Calibration Due Da :	05/08/2015

Liquid Junction Error

			003/5.1/001/24 (20℃)	
Primary Standard Solution Used :	KHP	Ref No. of Primary Solution:	003/5.1/001/25 (25℃)	
Temperature of Solution :	25.0 / 20.0	$\Delta pH_{½}$ =	+0.01	/ +0.01
pH value of diluted buffer :	4.03 / 4.04	pH (S) =	4.00	/ 4.00
ΔpH = pH(S) - pH of diluted buffer =	0.03 / 0.04	(Observed Deviation)		
Liquid Junction Error (ΔpH_j) = ΔpH - $\Delta pH_{½}$ =	0.02 / 0.03			

Shift on Stirring

pH of buffer solution (with stirring), pH_s =	4.03 / 4.05
Shift on stirring, ΔpH_s= pH_s - pH(S) - ΔpH_j =	0.01 / 0.02

Noise

Noise, ΔpH_n = difference between max and min reading :	0.01 / 0.01

Verification of ATC

Ref. No. of reference thermometer used:	ET/0521 / ET/0521/019	
Temperature record from the reference thermometer (T_R):	25 / 20	°C
Temperature record from the ATC (T_{ATC}):	24.8 / 19.7	°C
Temperature Difference, $\lvert T_R - T_{ATC} \rvert$	0.2 / 0.3	°C
Correction	0.2 / 0.3	°C

Acceptance Criteria

Performance Characteristic		Acceptable Range
Liquid Junction Error	ΔpHj	≤0.05
Shift on Stirring	ΔpHs	≤0.02
Noise	ΔpHn	≤0.02
Verifcation of ATC	Temperature Difference	≤0.5°C

The pH meter complies * / ~~does not comply *~~ with the specified requirements and is deemed acceptable * / ~~unacceptable~~ * for use. Measurements are traceable to national standards.

* Delete as appropriate

Calibrated by: _____ Checked by : _____

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Internal Calibration Report of Dissolved Oxygen Meter

Equipment Ref. No.	:	ET/EW/008/006	Manufacturer	:	YSI
Model No.	:	Pro 2030	Serial No.	:	12A 100554
Date of Calibration	:	15/06/2015	Calibration Due Date	:	14/09/2015

Temperature Verification

Ref. No. of Reference Thermometer : ET/0521/008

Ref. No. of Water Bath : ---

	Temperature (°C)			
Reference Thermometer reading	Measured	20.5	Corrected	19.9
DO Meter reading	Measured	19.7	Difference	0.2

Standardization of sodium thiosulphate ($Na_2S_2O_3$) solution

Reagent No. of $Na_2S_2O_3$ titrant	CPE/012/4.5/001/12	Reagent No. of 0.025N $K_2Cr_2O_7$	CPE/012/4.4/001/37

	Trial 1	Trial 2
Initial Vol. of $Na_2S_2O_3$ (ml)	0.00	10.20
Final Vol. of $Na_2S_2O_3$ (ml)	10.20	20.50
Vol. of $Na_2S_2O_3$ used (ml)	10.20	10.30
Normality of $Na_2S_2O_3$ solution (N)	0.02451	0.02427
Average Normality (**N**) of $Na_2S_2O_3$ solution (N)	0.02439	
Acceptance criteria, Deviation	Less than ± 0.001N	

Calculation: Normality of $Na_2S_2O_3$, **N** = 0.25 / ml $Na_2S_2O_3$ used

Lineality Checking

Determination of dissolved oxygen content by Winkler Titration *

Purging Time (min)	2		5		10	
Trial	1	2	1	2	1	2
Initial Vol. of $Na_2S_2O_3$ (ml)	0.00	11.30	22.70	0.00	6.50	10.40
Final Vol. of $Na_2S_2O_3$ (ml)	11.30	22.70	29.30	6.50	10.40	14.20
Vol. (**V**) of $Na_2S_2O_3$ used (ml)	11.30	11.40	6.60	6.50	3.90	3.80
Dissolved Oxygen (**DO**), mg/L	7.40	7.46	4.32	4.26	2.55	2.49
Acceptance criteria, Deviation	Less than + 0.3mg/L		Less than + 0.3mg/L		Less than + 0.3mg/L	

Calculation: DO (mg/L) = **V** x **N** x 8000/298

Purging time, min	DO meter reading, mg/L			Winkler Titration result *, mg/L			Difference (%) of DO Content
	1	2	Average	1	2	Average	
2	7.23	7.33	7.28	7.40	7.46	7.43	2.04
5	4.50	4.48	4.49	4.32	4.26	4.29	4.56
10	2.51	2.38	2.45	2.55	2.49	2.52	2.82
Linear regression coefficient				0.9951			

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Internal Calibration Report of Dissolved Oxygen Meter

Zero Point Checking

DO meter reading, mg/L	0.00

Salinity Checking

Reagent No. of NaCl (10ppt)	CPE/012/4.7/003/3	Reagent No. of NaCl (30ppt)	CPE/012/4.8/003/3

Determination of dissolved oxygen content by Winkler Titration **

Salinity (ppt)	10		30	
Trial	1	2	1	2
Initial Vol. of $Na_2S_2O_3$ (ml)	0.00	11.40	22.60	32.10
Final Vol. of $Na_2S_2O_3$ (ml)	11.40	22.60	32.10	41.70
Vol. (**V**) of $Na_2S_2O_3$ used (ml)	11.40	11.20	9.50	9.60
Dissolved Oxygen (**DO**), mg/L	7.46	7.33	6.22	6.29
Acceptance criteria, Deviation	Less than + 0.3mg/L		Less than + 0.3mg/L	

Calculation: DO (mg/L) = **V** x **N** x 8000/298

Salinity (ppt)	DO meter reading, mg/L			Winkler Titration result**, mg/L			Difference (%) of DO Content
	1	2	Average	1	2	Average	
10	7.38	7.20	7.29	7.46	7.33	7.40	1.50
30	6.33	6.46	6.4	6.22	6.29	6.26	2.21

Acceptance Criteria

(1) Differenc between temperature readings from temperature sensor of DO probe and reference thermometer : < 0.5 °C
(2) Linear regression coefficient : >0.99
(3) Zero checking: 0.0mg/L
(4) Difference (%) of DO content from the meter reading and by winkler titration : within ± 5%

The equipment complies # / ~~does not comply~~ # with the specified requirements and is deemed acceptable # / ~~unacceptable~~ # for use.

Delete as appropriate

Calibrated by : _____ Approved by : _____

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Performance Check of Salinity Meter

Equipment Ref. No. :	ET/EW/008/006	Manufacturer :	YSI
Model No. :	Pro 2030	Serial No. :	12A 100554
Date of Calibration :	15/06/2015	Due Date :	14/09/2015

Ref. No. of Salinity Standard used (30ppt)	S/001/5

Salinity Standard (ppt)	Measured Salinity (ppt)	Difference %
30.0	30.5	1.67

(*) Difference (%) = (Measured Salinity – Salinity Standard value) / Salinity Standard value x 100

Acceptance Criteria

Difference : -10 % to 10 %

The salinity meter complies * / ~~does not comply~~ * with the specified requirements and is deemed acceptable * / ~~unacceptable~~ * for use. Measurements are traceable to national standards.

Checked by : _____ Approved by : _____

ENVIROTECH SERVICES CO.

Calibration Report of Wind Meter

Date of Calibration : 24 June 2015

Brand of Test Meter: Global Water

Model: Speed Sensor: WE550 (S/N:EC0000)

Direction Senor: WE570 (S/N:ED0000)

Location : Pak Mong, Siu Ho Wan

Procedures :

1. Wind Still Test: The wind speed sensor was hold by hand until it keep still

2.Wind Speed Test: The wind meter was on-site calibrated against the Anemometer

3.Wind Direction Test : The wind meter was on-site calibrated against the marine compass at four directions

Results:

Wind Still Test

Wind Speed (m/s)
0.00

Wind Speed Test

Global Wate (m/s)	Anemomete (m/s)
0.88	0.8
2.19	2.4
3.32	3.5

Wind Direction Test

Global Wate (o)	Marine Compass (o)
270.85	270
0.05	0
89.45	90
180.67	180

Calibrated by: Fai

Yeung Ping Fai
(Technical Officer)

Checked by : Fat

Ho Kam Fat
(Senior Technical Officer)

輝創工程有限公司
Sun Creation Engineering Limited
Calibration and Testing Laboratory

Certificate of Calibration
校正證書

Certificate No. : C153422
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC15-1330) Date of Receipt / 收件日期 : 10 June 2015

Description / 儀器名稱 : Anemometer
Manufacturer / 製造商 : Lutron
Model No. / 型號 : AM-4201
Serial No. / 編號 : AF.27513
Supplied By / 委託者 : Envirotech Services Co.
Shop 6, G/F., Casio Mansion, 209 Shaukeiwan Road,
Hong Kong

TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23 ± 2)°C Relative Humidity / 相對濕度 : (55 ± 20)%
Line Voltage / 電壓 : ---

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 23 June 2015

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.
The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :
- Testo Industrial Services GmbH, Germany

Tested By 測試 : C F Leung
Project Engineer

Certified By 核證 : H C Chan
Engineer

Date of Issue 簽發日期 : 23 June 2015

輝創工程有限公司
Sun Creation Engineering Limited
Calibration and Testing Laboratory

Certificate of Calibration
校正證書

Certificate No. : C153422
證書編號

1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours before the commencement of the test.

2. The results presented are the mean of 10 measurements at each calibration point.

3. Test equipment :

Equipment ID	Description	Certificate No.
CL386	Multi-function Measuring Instrument	S12109

4. Test procedure : MA130N.

5. Results :

Air Velocity

Applied Value (m/s)	UUT Reading (m/s)	Measured Correction		
		Value (m/s)	Measurement Uncertainty	
			Expanded Uncertainty (m/s)	Coverage Factor
1.9	1.8	+0.1	0.2	2.0
4.0	3.9	+0.1	0.2	2.0
6.0	6.0	0.0	0.3	2.0
8.0	8.1	-0.1	0.3	2.0
10.0	10.3	-0.3	0.4	2.0

Remarks : - The Measured Corrections are defined as :
Value = Applied Value - UUT Reading

- The expanded uncertainties are for a level of confidence of 95 %.

Note :
The values given in this Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Sun Creation Engineering Limited shall not be liable for any loss or damage resulting from the use of the equipment.

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輝創工程有限公司 校正及檢測實驗所
c/o 香港新界屯門興安里一號青山灣機樓四樓
Tel/電話: 2927 2606 Fax/傳真: 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

Appendix F

EM&A Monitoring Schedules

HY/2012/07 Tuen Mun - Chek Lap Kok Link - Southern Connection Viaduct Section
Impact Marine Water Quality Monitoring (WQM) Schedule (July 15)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1-Jul	2-Jul	3-Jul	4-Jul
				WQM Mid-Ebb 13:12 (11:27 - 14:57) Mid-Flood 20:19 (18:34 - 22:04)		WQM Mid-Ebb 7:46 (06:01 - 09:31) Mid-Flood 14:35 (12:50 - 16:20)
5-Jul	6-Jul	7-Jul	8-Jul	9-Jul	10-Jul	11-Jul
		WQM Mid-Ebb 10:20 (08:35 - 12:05) Mid-Flood 16:53 (15:08 - 18:38)		**(Cancelled due to adverse weather)**		WQM Mid-Ebb 9:26 (07:41 - 11:11) Mid-Flood 15:51 (14:06 - 17:36)
12-Jul	13-Jul	14-Jul	15-Jul	16-Jul	17-Jul	18-Jul
		WQM Mid-Ebb 11:57 (10:12 - 13:42) Mid-Flood 19:00 (17:15 - 20:45)		WQM Mid-Ebb 13:19 (11:34 - 15:04) Mid-Flood 20:18 (18:33 - 22:03)		WQM Mid-Ebb 7:38 (05:53 - 09:23) Mid-Flood 14:33 (12:48 - 16:18)
19-Jul	20-Jul	21-Jul	22-Jul	23-Jul	24-Jul	25-Jul
		WQM Mid-Ebb 9:34 (07:49 - 11:19) Mid-Flood 16:10 (14:25 - 17:55)		WQM Mid-Ebb 11:12 (09:27 - 12:57) Mid-Flood 17:23 (15:38 - 19:08)		WQM Mid-Ebb 14:00 (12:15 - 15:45) Mid-Flood 19:35 (17:50 - 16:37)
26-Jul	27-Jul	28-Jul	29-Jul	30-Jul	31-Jul	
		WQM Mid-Ebb 10:43 (08:58 - 12:28) Mid-Flood 17:55 (16:10 - 19:40)		WQM Mid-Ebb 12:11 (10:26 - 13:56) Mid-Flood 19:18 (17:33 - 21:03)		

HY/2012/07 - Tuen Mun - Chek Lap Kok Link - Southern Connection Viaduct Section
Impact Marine Water Quality Monitoring (WQM) Schedule (Aug 15)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						01-Aug
						WQM Mid-Ebb 13:37 (11:52 - 15:22) Mid-Flood 20:13 (18:28 - 21:58)
02-Aug	03-Aug	04-Aug	05-Aug	06-Aug	07-Aug	08-Aug
		WQM Mid-Flood 9:20 (07:35 - 11:05) Mid-Ebb 15:46 (14:01 - 17:31)		**WQM** Mid-Flood 11:26 (09:41 - 13:11) Mid-Ebb 17:24 (15:39 - 19:09)		**WQM** Mid-Ebb 7:48 (06:03 - 09:33) Mid-Flood 14:19 (12:34 - 16:04)
09-Aug	10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug
		WQM Mid-Ebb 10:59 (09:14 - 12:44) Mid-Flood 18:08 (16:23 - 19:53)		**WQM** Mid-Ebb 12:24 (10:39 - 14:09) Mid-Flood 19:19 (17:34 - 21:04)		**WQM** Mid-Ebb 13:36 (11:51 - 15:21) Mid-Flood 20:14 (18:29 - 21:59)
16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug
		WQM Mid-Flood 8:41 (06:56 - 10:26) Mid-Ebb 15:08 (13:23 - 16:53)		**WQM** Mid-Flood 10:00 (08:15 - 11:45) Mid-Ebb 16:10 (14:25 - 17:56)		**WQM** Mid-Flood 12:00 (10:15 - 13:45) Mid-Ebb 17:41 (15:56 - 19:26)
23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	28-Aug	29-Aug
		WQM Mid-Ebb 9:14 (07:29 - 10:59) Mid-Flood 16:46 (15:01 - 18:31)		**WQM** Mid-Ebb 11:00 (09:25 - 12:45) Mid-Flood 18:12 (17:27 - 20:57)		**WQM** Mid-Ebb 12:32 (10:47 - 14:17) Mid-Flood 19:23 (17:38 - 21:08)
30-Aug	31-Aug	01-Sep	02-Sep	03-Sep	04-Sep	05-Sep

HY/2012/07 Tuen Mun - Chek Lap Kok Link - Southern Connection Viaduct Section
Tentative Impact Noise Monitoring Schedule (1 to 31 July 2015)

Alternative Noise Monitoring at Pak Mong Village Entrance

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			P Holiday 1-Jul	2-Jul	3-Jul	4-Jul
				Noise Impact Monitoring		
5-Jul	6-Jul	7-Jul	8-Jul	9-Jul	10-Jul	11-Jul
		Noise Impact Monitoring				
12-Jul	13-Jul	14-Jul	15-Jul	16-Jul	17-Jul	18-Jul
	Noise Impact Monitoring			Noise Impact Monitoring		
19-Jul	20-Jul	21-Jul	22-Jul	23-Jul	24-Jul	25-Jul
			Noise Impact Monitoring			
26-Jul	27-Jul	28-Jul	29-Jul	30-Jul	31-Jul	
		Noise Impact Monitoring				

HY/2012/07 Tuen Mun - Chek Lap Kok Link - Southern Connection Viaduct Section
Tentative Impact Air Quality Monitoring Schedule (1 to 31 July 2015)

Alternative Air Quality Monitoring at WA4 and MTRC Depot Entrance

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			P Holiday 1-Jul	2-Jul	3-Jul	4-Jul
				1-hr TSP Monitoring 24-hr TSP Monitoring		
5-Jul	6-Jul	7-Jul	8-Jul	9-Jul	10-Jul	11-Jul
		1-hr TSP Monitoring 24-hr TSP Monitoring				
12-Jul	13-Jul	14-Jul	15-Jul	16-Jul	17-Jul	18-Jul
	1-hr TSP Monitoring 24-hr TSP Monitoring			1-hr TSP Monitoring 24-hr TSP Monitoring		
19-Jul	20-Jul	21-Jul	22-Jul	23-Jul	24-Jul	25-Jul
			1-hr TSP Monitoring 24-hr TSP Monitoring			
26-Jul	27-Jul	28-Jul	29-Jul	30-Jul	31-Jul	
		1-hr TSP Monitoring 24-hr TSP Monitoring				

HY/2012/07 Tuen Mun - Chek Lap Kok Link - Southern Connection Viaduct Section
Tentative Impact Noise Monitoring Schedule (1 to 31 August 2015)

Alternative Noise Monitoring at Pak Mong Village Entrance

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						01-Aug
02-Aug	03-Aug	04-Aug	05-Aug	06-Aug	07-Aug	08-Aug
	Noise Impact Monitoring			Noise Impact Monitoring		
09-Aug	10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug
			Noise Impact Monitoring			
16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug
		Noise Impact Monitoring				
23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	28-Aug	29-Aug
	Noise Impact Monitoring			Noise Impact Monitoring		
30-Aug	31-Aug					

The schedule is subject to agreement from the EPD on the monitoring times. The schedule will be revised after reviewing the progress of the construction works or due to adverse (safety, weather etc) conditions.

HY/2012/07 Tuen Mun - Chek Lap Kok Link - Southern Connection Viaduct Section
Tentative Impact Air Quality Monitoring Schedule (1 to 31 August 2015)

Alternative Air Quality Monitoring at WA4 and MTRC Depot Entrance

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						01-Aug
02-Aug	03-Aug	04-Aug	05-Aug	06-Aug	07-Aug	08-Aug
	1-hr TSP Monitoring 24-hr TSP Monitoring			1-hr TSP Monitoring 24-hr TSP Monitoring		
09-Aug	10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug
			1-hr TSP Monitoring 24-hr TSP Monitoring			
16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug
		1-hr TSP Monitoring 24-hr TSP Monitoring				
23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	28-Aug	29-Aug
	1-hr TSP Monitoring 24-hr TSP Monitoring			1-hr TSP Monitoring 24-hr TSP Monitoring		
30-Aug	31-Aug					

The schedule is subject to agreement from the EPD on the monitoring times. The schedule will be revised after reviewing the progress of the construction works or due to adverse (safety, weather etc) conditions.

HY/2012/07 Tuen Mun - Chek Lap Kok Link - Southern Connection Viaduct Section
Impact Dolphin Monitoring Survey Schedule (1 to 31 July 2015)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			01-Jul	02-Jul	03-Jul	04-Jul
				Impact Dolphin Monitoring		
05-Jul	06-Jul	07-Jul	08-Jul	09-Jul	10-Jul	11-Jul
		Impact Dolphin Monitoring				
12-Jul	13-Jul	14-Jul	15-Jul	16-Jul	17-Jul	18-Jul
19-Jul	20-Jul	21-Jul	22-Jul	23-Jul	24-Jul	25-Jul
			Impact Dolphin Monitoring			
26-Jul	27-Jul	28-Jul	29-Jul	30-Jul	31-Jul	
	Impact Dolphin Monitoring					

HY/2012/07 Tuen Mun - Chek Lap Kok Link - Southern Connection Viaduct Section
Impact Dolphin Monitoring Survey Schedule (1 to 31 August 2015)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						01-Aug
02-Aug	03-Aug	04-Aug	05-Aug	06-Aug	07-Aug	08-Aug
09-Aug	10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug
	Impact Dolphin Monitoring				Impact Dolphin Monitoring	
16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug
		Impact Dolphin Monitoring				
23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	28-Aug	29-Aug
		Impact Dolphin Monitoring				
30-Aug	31-Aug					

The schedule is subject to agreement from the EPD on the monitoring times. The schedule will be revised after reviewing the progress of the construction works or due to adverse (safety, weather etc) conditions.

Appendix G

Impact Air Quality Monitoring Results and Graphical Presentation

1-hour TSP Monitoring Results at Air Quality Monitoring Station ASR8A

Project	Works	Date(yyyy-mm-dd)	Station	Time (hh:mm, 24hour)	Parameter	Results (ug/m3)	Action Level (ug/m3)	Limit Level (ug/m3)
TMCLKL	HY/2012/07	2015-07-02	ASR8A	8:43	1-hr TSP	60	394	500
TMCLKL	HY/2012/07	2015-07-02	ASR8A	9:45	1-hr TSP	67		
TMCLKL	HY/2012/07	2015-07-02	ASR8A	10:47	1-hr TSP	71		
TMCLKL	HY/2012/07	2015-07-07	ASR8A	8:35	1-hr TSP	100		
TMCLKL	HY/2012/07	2015-07-07	ASR8A	9:37	1-hr TSP	73		
TMCLKL	HY/2012/07	2015-07-07	ASR8A	10:39	1-hr TSP	139		
TMCLKL	HY/2012/07	2015-07-13	ASR8A	8:48	1-hr TSP	57		
TMCLKL	HY/2012/07	2015-07-13	ASR8A	9:50	1-hr TSP	59		
TMCLKL	HY/2012/07	2015-07-13	ASR8A	10:52	1-hr TSP	55		
TMCLKL	HY/2012/07	2015-07-16	ASR8A	8:37	1-hr TSP	49		
TMCLKL	HY/2012/07	2015-07-16	ASR8A	9:39	1-hr TSP	47		
TMCLKL	HY/2012/07	2015-07-16	ASR8A	10:41	1-hr TSP	64		
TMCLKL	HY/2012/07	2015-07-22	ASR8A	8:33	1-hr TSP	51		
TMCLKL	HY/2012/07	2015-07-22	ASR8A	9:35	1-hr TSP	60		
TMCLKL	HY/2012/07	2015-07-22	ASR8A	10:37	1-hr TSP	43		
TMCLKL	HY/2012/07	2015-07-28	ASR8A	8:20	1-hr TSP	41		
TMCLKL	HY/2012/07	2015-07-28	ASR8A	9:22	1-hr TSP	46		
TMCLKL	HY/2012/07	2015-07-28	ASR8A	10:24	1-hr TSP	57		
					Average	63		
					Min.	41		
					Max.	139		

1-hour TSP Monitoring Results at Air Quality Monitoring Station ASR9

Project	Works	Date(yyyy-mm-dd)	Station	Time (hh:mm, 24hour)	Parameter	Results (ug/m3)	Action Level (ug/m3)	Limit Level (ug/m3)
TMCLKL	HY/2012/07	2015-07-02	ASR9	8:54	1-hr TSP	69	394	500
TMCLKL	HY/2012/07	2015-07-02	ASR9	9:56	1-hr TSP	61		
TMCLKL	HY/2012/07	2015-07-02	ASR9	10:58	1-hr TSP	105		
TMCLKL	HY/2012/07	2015-07-07	ASR9	8:45	1-hr TSP	87		
TMCLKL	HY/2012/07	2015-07-07	ASR9	9:47	1-hr TSP	92		
TMCLKL	HY/2012/07	2015-07-07	ASR9	10:49	1-hr TSP	116		
TMCLKL	HY/2012/07	2015-07-13	ASR9	8:58	1-hr TSP	113		
TMCLKL	HY/2012/07	2015-07-13	ASR9	10:00	1-hr TSP	73		
TMCLKL	HY/2012/07	2015-07-13	ASR9	11:02	1-hr TSP	60		
TMCLKL	HY/2012/07	2015-07-16	ASR9	8:49	1-hr TSP	72		
TMCLKL	HY/2012/07	2015-07-16	ASR9	9:51	1-hr TSP	56		
TMCLKL	HY/2012/07	2015-07-16	ASR9	10:53	1-hr TSP	63		
TMCLKL	HY/2012/07	2015-07-22	ASR9	8:44	1-hr TSP	41		
TMCLKL	HY/2012/07	2015-07-22	ASR9	9:46	1-hr TSP	52		
TMCLKL	HY/2012/07	2015-07-22	ASR9	10:48	1-hr TSP	53		
TMCLKL	HY/2012/07	2015-07-28	ASR9	8:32	1-hr TSP	83		
TMCLKL	HY/2012/07	2015-07-28	ASR9	9:34	1-hr TSP	56		
TMCLKL	HY/2012/07	2015-07-28	ASR9	10:36	1-hr TSP	56		
					Average	73		
					Min.	41		
					Max.	116		

24-hour TSP Monitoring Results at Air Quality Monitoring Station ASR8A

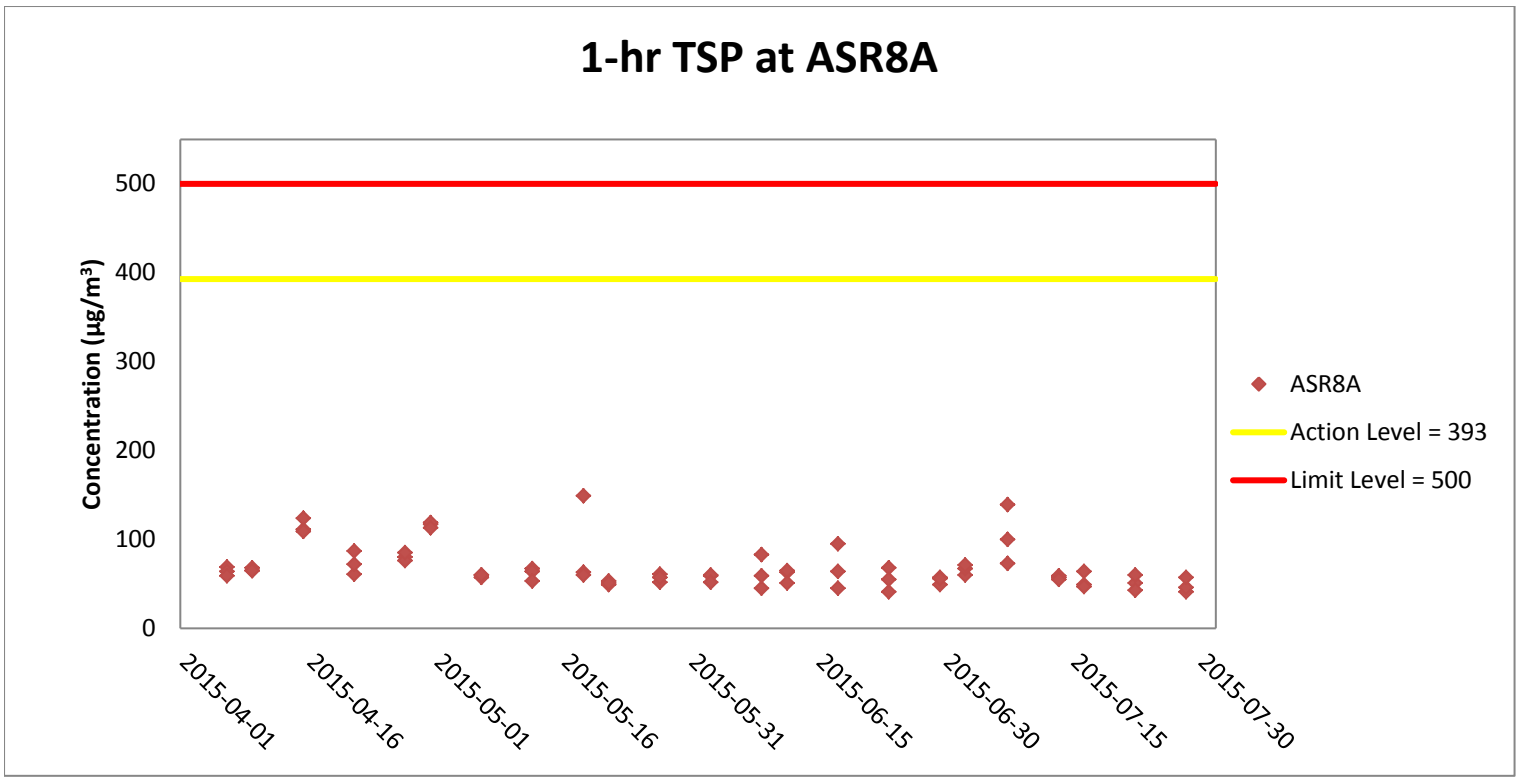
Project	Works	Date(yyyy-mm-dd)	Station	Time (hh:mm, 24hour)	Parameter	Results (ug/m3)	Action Level (ug/m3)	Limit Level (ug/m3)
TMCLKL	HY/2012/07	2015-07-02	ASR8A	11:49	24-hr TSP	46	178	260
TMCLKL	HY/2012/07	2015-07-07	ASR8A	11:41	24-hr TSP	75		
TMCLKL	HY/2012/07	2015-07-13	ASR8A	11:54	24-hr TSP	50		
TMCLKL	HY/2012/07	2015-07-16	ASR8A	11:43	24-hr TSP	47		
TMCLKL	HY/2012/07	2015-07-22	ASR8A	11:39	24-hr TSP	45		
TMCLKL	HY/2012/07	2015-07-28	ASR8A	11:26	24-hr TSP	44		
					Average	51		
					Min.	44		
					Max.	75		

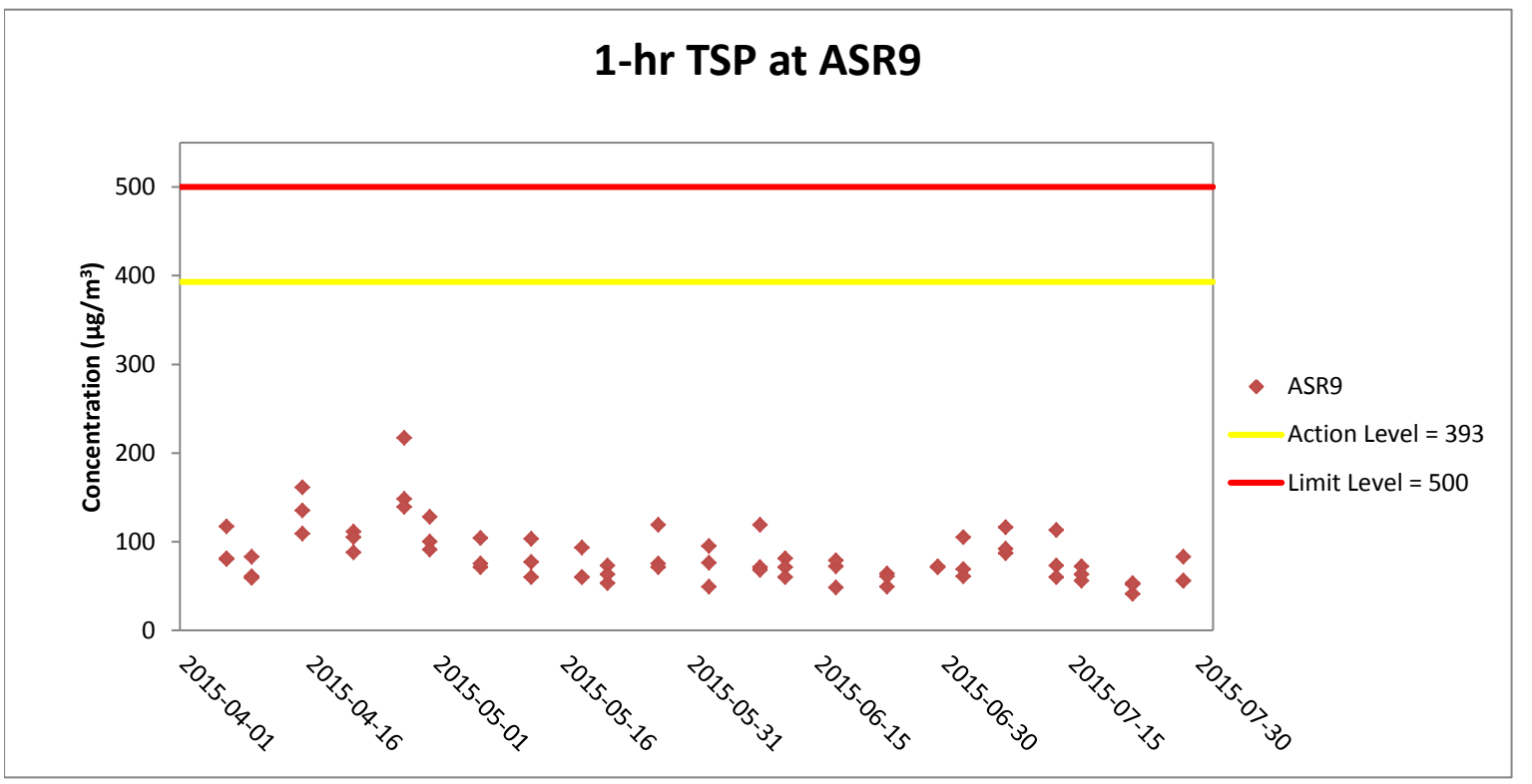
24-hour TSP Monitoring Results at Air Quality Monitoring Station ASR9

Project	Works	Date(yyyy-mm-dd)	Station	Time (hh:mm, 24hour)	Parameter	Results (ug/m3)	Action Level (ug/m3)	Limit Level (ug/m3)
TMCLKL	HY/2012/07	2015-07-02	ASR9	12:00	24-hr TSP	56	178	260
TMCLKL	HY/2012/07	2015-07-07	ASR9	11:51	24-hr TSP	89		
TMCLKL	HY/2012/07	2015-07-13	ASR9	12:04	24-hr TSP	48		
TMCLKL	HY/2012/07	2015-07-16	ASR9	11:55	24-hr TSP	50		
TMCLKL	HY/2012/07	2015-07-22	ASR9	11:50	24-hr TSP	47		
TMCLKL	HY/2012/07	2015-07-28	ASR9	11:38	24-hr TSP	47		
					Average	56		
					Min.	47		
					Max.	89		

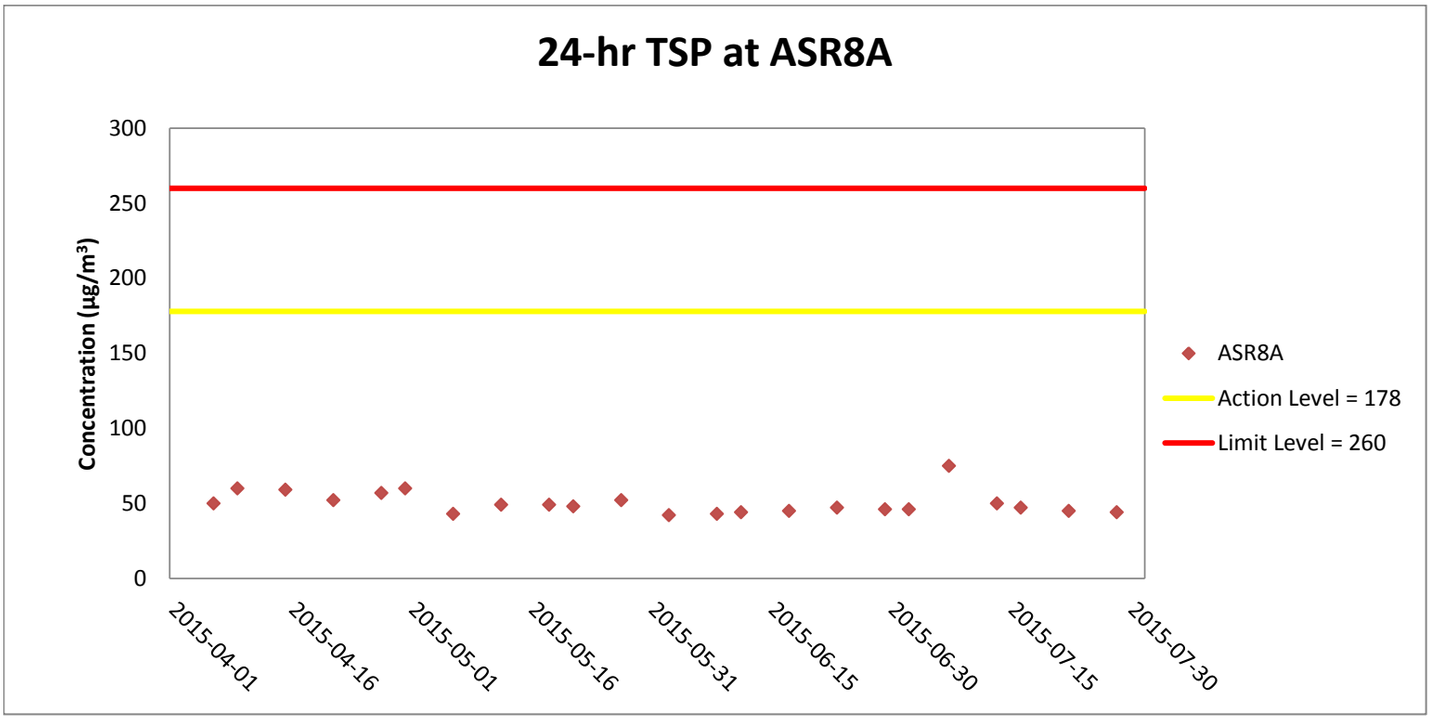
Action Level Exceedance

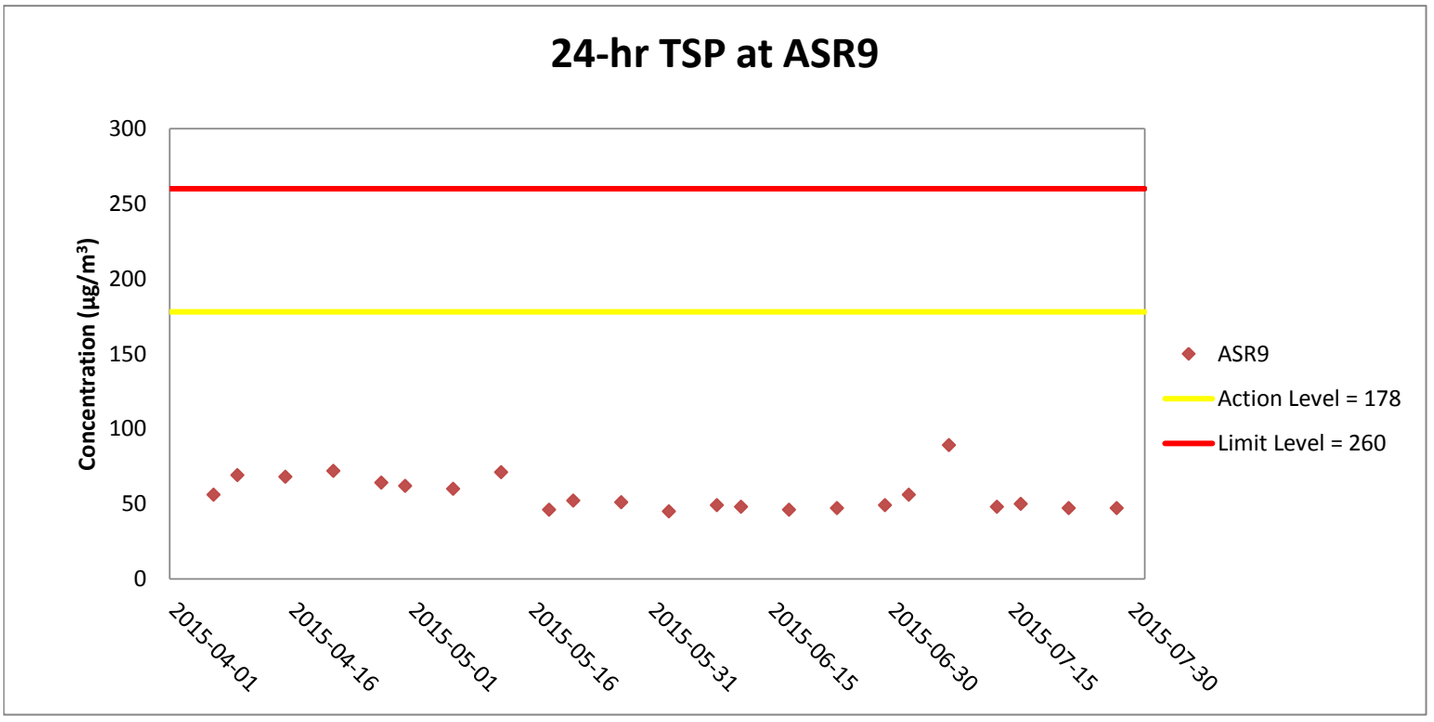
Limit Level Exceedance





Weather condition within the reporting period varied between sunny to rainy.
Major construction works undertaken within the reporting period include Predrilling at Viaduct F; Construction and installation of pile caps; Pier construction; Pile cap stallation; Re-alignment of Cheung Tung Road; Land piling; Pre-drilling works; Installation of pier head segment; Additional land GI, trial pits & lab testing; Relocation of MTRC fence; and Slope work of Viaducts A & B.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pile cap installation; Pier construction; Launching gantry assembly; Marine piling and Installation of pier head segment.





Weather condition within the reporting period varied between sunny to rainy.
Major construction works undertaken within the reporting period include Predrilling at Viaduct F; Construction and installation of pile caps; Pier construction; Pile cap stallation; Re-alignment of Cheung Tung Road; Land piling; Pre-drilling works; Installation of pier head segment; Additional land GI, trial pits & lab testing; Relocation of MTRC fence; and Slope work of Viaducts A & B.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pile cap installation; Pier construction; Launching gantry assembly; Marine piling and Installation of pier head segment.

Appendix H

Meteorological Data for the Reporting Month

Date	Time	Wind speed (m/s)	Wind direction (deg)
02-07-2015	7:00	0.0	162
02-07-2015	8:00	0.3	231
02-07-2015	9:00	0.3	91
02-07-2015	10:00	0.4	127
02-07-2015	11:00	1.0	206
02-07-2015	12:00	0.9	223
02-07-2015	13:00	0.5	192
02-07-2015	14:00	1.1	184
02-07-2015	15:00	2.6	176
02-07-2015	16:00	2.7	175
02-07-2015	17:00	2.5	172
02-07-2015	18:00	1.4	160
02-07-2015	19:00	0.4	149
02-07-2015	20:00	0.6	157
02-07-2015	21:00	0.5	161
02-07-2015	22:00	0.0	156
02-07-2015	23:00	0.0	164
03-07-2015	0:00	0.3	159
03-07-2015	1:00	2.1	167
03-07-2015	2:00	1.6	157
03-07-2015	3:00	1.1	153
03-07-2015	4:00	0.1	128
03-07-2015	5:00	0.3	165
03-07-2015	6:00	0.1	232
03-07-2015	7:00	0.0	233
03-07-2015	8:00	0.3	165
03-07-2015	9:00	1.4	156
03-07-2015	10:00	3.4	165
03-07-2015	11:00	4.2	164
03-07-2015	12:00	3.3	177
07-07-2015	7:00	0.0	226
07-07-2015	8:00	0.0	199
07-07-2015	9:00	0.0	220
07-07-2015	10:00	0.0	253
07-07-2015	11:00	0.0	246
07-07-2015	12:00	0.0	144
07-07-2015	13:00	0.0	205
07-07-2015	14:00	0.0	86
07-07-2015	15:00	0.2	220
07-07-2015	16:00	0.1	233
07-07-2015	17:00	0.1	322
07-07-2015	18:00	0.0	160
07-07-2015	19:00	0.3	122
07-07-2015	20:00	0.1	101
07-07-2015	21:00	0.0	112
07-07-2015	22:00	0.2	174
07-07-2015	23:00	0.0	103
08-07-2015	0:00	0.0	147
08-07-2015	1:00	0.1	283
08-07-2015	2:00	0.1	282
08-07-2015	3:00	0.0	253
08-07-2015	4:00	0.1	278
08-07-2015	5:00	0.1	271
08-07-2015	6:00	0.3	273
08-07-2015	7:00	0.3	277

Date	Time	Wind speed (m/s)	Wind direction (deg)
08-07-2015	8:00	0.1	150
08-07-2015	9:00	0.0	172
08-07-2015	10:00	0.2	241
08-07-2015	11:00	0.1	244
08-07-2015	12:00	0.0	208
13-07-2015	7:00	0.2	219
13-07-2015	8:00	0.0	134
13-07-2015	9:00	0.2	306
13-07-2015	10:00	0.0	155
13-07-2015	11:00	0.1	224
13-07-2015	12:00	0.0	254
13-07-2015	13:00	0.3	196
13-07-2015	14:00	1.2	210
13-07-2015	15:00	2.3	170
13-07-2015	16:00	4.7	163
13-07-2015	17:00	3.7	169
13-07-2015	18:00	3.6	156
13-07-2015	19:00	2.5	159
13-07-2015	20:00	2.8	163
13-07-2015	21:00	1.2	143
13-07-2015	22:00	1.9	149
13-07-2015	23:00	1.4	154
14-07-2015	0:00	0.2	142
14-07-2015	1:00	0.3	167
14-07-2015	2:00	1.3	167
14-07-2015	3:00	1.2	168
14-07-2015	4:00	0.4	190
14-07-2015	5:00	0.7	174
14-07-2015	6:00	0.3	179
14-07-2015	7:00	0.0	170
14-07-2015	8:00	0.0	39
14-07-2015	9:00	0.0	116
14-07-2015	10:00	0.1	203
14-07-2015	11:00	0.0	304
14-07-2015	12:00	0.0	261
16-07-2015	7:00	0.0	172
16-07-2015	8:00	0.1	131
16-07-2015	9:00	0.0	178
16-07-2015	10:00	0.1	230
16-07-2015	11:00	0.3	217
16-07-2015	12:00	1.1	193
16-07-2015	13:00	2.6	175
16-07-2015	14:00	3.0	168
16-07-2015	15:00	3.1	168
16-07-2015	16:00	1.2	146
16-07-2015	17:00	1.3	130
16-07-2015	18:00	0.3	142
16-07-2015	19:00	0.0	162
16-07-2015	20:00	0.2	168
16-07-2015	21:00	0.1	168
16-07-2015	22:00	0.2	177
16-07-2015	23:00	0.1	162
17-07-2015	0:00	0.2	171
17-07-2015	1:00	0.8	148
17-07-2015	2:00	0.6	110

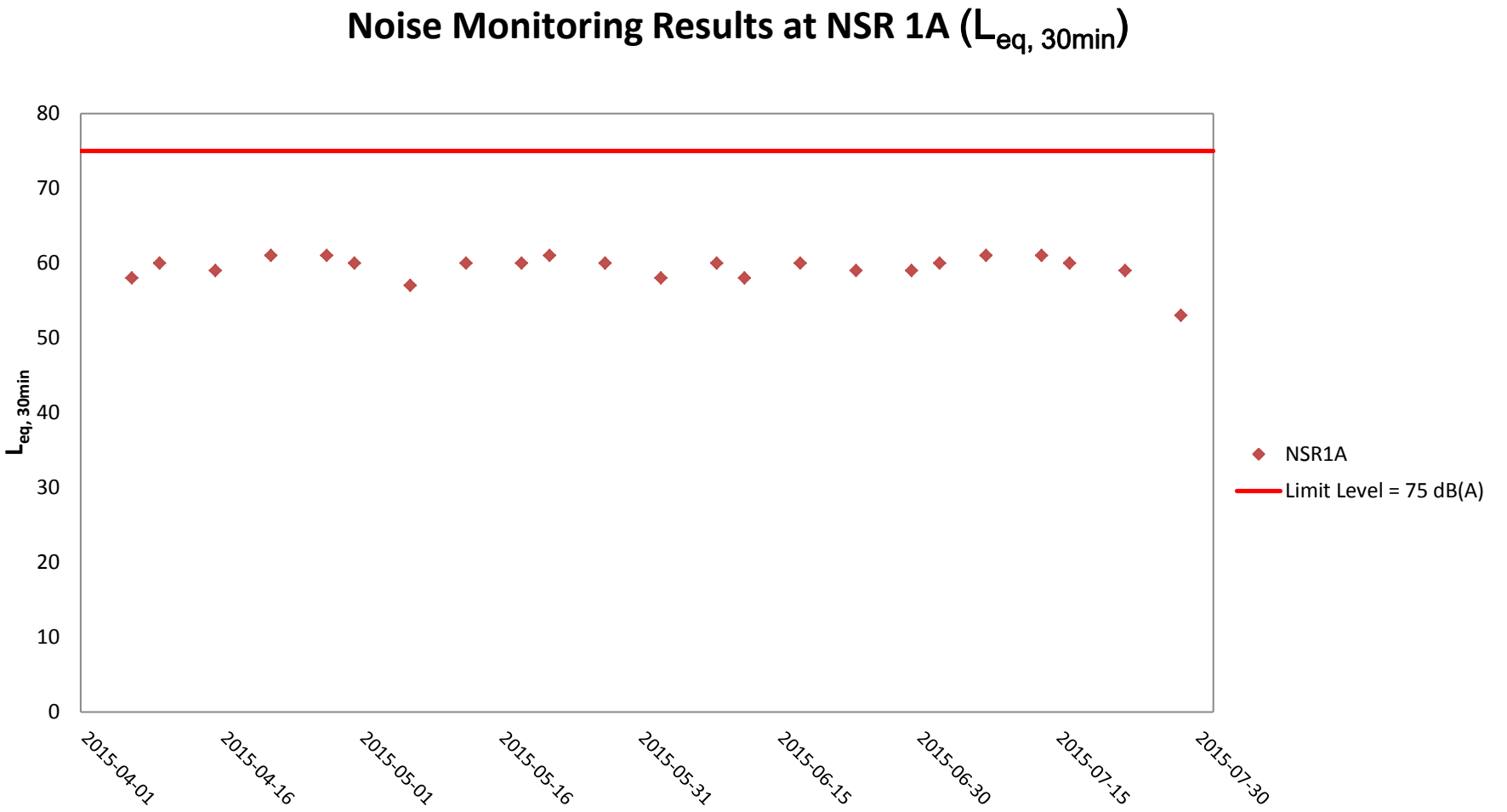
Date	Time	Wind speed (m/s)	Wind direction (deg)
17-07-2015	3:00	1.4	121
17-07-2015	4:00	0.5	235
17-07-2015	5:00	0.4	197
17-07-2015	6:00	0.3	150
17-07-2015	7:00	0.1	152
17-07-2015	8:00	0.3	175
17-07-2015	9:00	0.2	79
17-07-2015	10:00	0.0	71
17-07-2015	11:00	0.1	63
17-07-2015	12:00	0.0	211
22-07-2015	7:00	0.0	151
22-07-2015	8:00	2.2	170
22-07-2015	9:00	1.7	178
22-07-2015	10:00	0.2	228
22-07-2015	11:00	0.1	121
22-07-2015	12:00	0.3	190
22-07-2015	13:00	1.0	201
22-07-2015	14:00	1.3	207
22-07-2015	15:00	2.0	202
22-07-2015	16:00	1.9	197
22-07-2015	17:00	1.7	193
22-07-2015	18:00	2.0	191
22-07-2015	19:00	1.1	195
22-07-2015	20:00	0.8	191
22-07-2015	21:00	0.8	196
22-07-2015	22:00	0.9	195
22-07-2015	23:00	1.3	169
23-07-2015	0:00	3.7	169
23-07-2015	1:00	4.3	167
23-07-2015	2:00	2.6	181
23-07-2015	3:00	1.3	174
23-07-2015	4:00	2.1	204
23-07-2015	5:00	2.0	189
23-07-2015	6:00	1.6	193
23-07-2015	7:00	1.7	181
23-07-2015	8:00	2.3	194
23-07-2015	9:00	1.9	180
23-07-2015	10:00	0.2	215
23-07-2015	11:00	1.3	194
23-07-2015	12:00	2.7	170
28-07-2015	7:00	0.5	128
28-07-2015	8:00	0.4	136
28-07-2015	9:00	2.2	166
28-07-2015	10:00	2.8	161
28-07-2015	11:00	1.2	155
28-07-2015	12:00	2.1	170
28-07-2015	13:00	1.8	176
28-07-2015	14:00	2.8	172
28-07-2015	15:00	3.3	199
28-07-2015	16:00	4.0	178
28-07-2015	17:00	2.4	173
28-07-2015	18:00	2.1	185
28-07-2015	19:00	0.9	148
28-07-2015	20:00	1.0	150
28-07-2015	21:00	1.0	167

Date	Time	Wind speed (m/s)	Wind direction (deg)
28-07-2015	22:00	1.3	161
28-07-2015	23:00	1.3	174
29-07-2015	0:00	0.6	171
29-07-2015	1:00	1.3	170
29-07-2015	2:00	0.9	164
29-07-2015	3:00	0.3	158
29-07-2015	4:00	0.4	159
29-07-2015	5:00	0.8	160
29-07-2015	6:00	1.4	162
29-07-2015	7:00	0.8	150
29-07-2015	8:00	0.8	157
29-07-2015	9:00	1.0	172
29-07-2015	10:00	1.1	140
29-07-2015	11:00	0.7	243
29-07-2015	12:00	3.5	170

Appendix I

Impact Noise Monitoring Results and Graphical Presentation

Project	Works	Date (yyyy-mm-dd)	Station	Weather Condition	Time (hh:mm, 24hour)	Noise Level for 30-min, dB(A)			Limit Level dB(A)	Wind Speed (m/s)	Noise Meter Model/ID	Calibrator Model/ID
						Leq	L10	L90				
TMCLKL	HY/2012/07	2015-07-02	NSR1A	Sunny	10:08	60	61	56	75	0.2	RION NL31 (S/N 00603867)	RION NC73 (S/N 10997142)
TMCLKL	HY/2012/07	2015-07-07	NSR1A	Sunny	8:57	61	63	57	75	0.2	RION NL31 (S/N 00603867)	RION NC73 (S/N 10997142)
TMCLKL	HY/2012/07	2015-07-13	NSR1A	Sunny	10:10	61	62	56	75	0.4	RION NL31 (S/N 00603867)	RION NC73 (S/N 10997142)
TMCLKL	HY/2012/07	2015-07-16	NSR1A	Sunny	9:00	60	61	56	75	0.2	RION NL31 (S/N 00603867)	RION NC73 (S/N 10997142)
TMCLKL	HY/2012/07	2015-07-22	NSR1A	Cloudy	11:00	59	61	56	75	0.2	RION NL31 (S/N 00603867)	RION NC73 (S/N 10997142)
TMCLKL	HY/2012/07	2015-07-28	NSR1A	Sunny	10:47	53	57	52	75	0.2	RION NL31 (S/N 00603867)	RION NC73 (S/N 10997142)
					Min.	53						
					Max.	61						
					Average	60						



Weather condition within the reporting period varied between sunny to rainy.
Major construction works undertaken within the reporting period include Predrilling at Viaduct F; Construction and installation of pile caps; Pier construction; Pile cap stallation; Re-alignment of Cheung Tung Road; Land piling; Pre-drilling works; Installation of pier head segment; Additional land GI, trial pits & lab testing; Relocation of MTRC fence; and Slope work of Viaducts A & B.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pile cap installation; Pier construction; Launching gantry assembly; Marine piling and Installation of pier head segment.

Appendix J

Impact Water Quality Monitoring Results and Graphical Presentation

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	CS(Mf)5	18:34	Surface	1	1	27.6	7.71	22.8	7.04	8.4	10.9
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	CS(Mf)5	18:34	Surface	1	2	27.5	7.74	22.9	6.99	8.45	12.7
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	CS(Mf)5	18:34	Middle	2	1	27.4	7.68	23.1	6.87	8.6	10.3
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	CS(Mf)5	18:34	Middle	2	2	27.5	7.65	23	6.89	8.66	12.1
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	CS(Mf)5	18:34	Bottom	3	1	27.6	7.7	23.3	6.64	8.71	13.1
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	CS(Mf)5	18:34	Bottom	3	2	27.5	7.72	23.4	6.68	8.79	14.1
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	SR4a	19:09	Surface	1	1	27.7	7.66	22.7	6.86	8.23	11.5
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	SR4a	19:09	Surface	1	2	27.6	7.69	22.8	6.85	8.29	11.6
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	SR4a	19:09	Middle	2	1						
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	SR4a	19:09	Middle	2	2						
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	SR4a	19:09	Bottom	3	1	27.6	7.73	22.9	6.73	8.41	10.9
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	SR4a	19:09	Bottom	3	2	27.5	7.78	22.8	6.7	8.36	11.7
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	SR4	19:25	Surface	1	1	27.8	7.73	21.7	6.79	8.41	10.9
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	SR4	19:25	Surface	1	2	27.7	7.77	21.6	6.83	8.33	11.7
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	SR4	19:25	Middle	2	1						
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	SR4	19:25	Middle	2	2						
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	SR4	19:25	Bottom	3	1	27.7	7.78	21.8	6.7	8.44	12.7
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	SR4	19:25	Bottom	3	2	27.6	7.8	21.7	6.74	8.47	11
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	IS8	19:41	Surface	1	1	27.8	7.69	21.6	6.88	8.36	12.5
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	IS8	19:41	Surface	1	2	27.7	7.72	21.5	6.85	8.39	10.9
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	IS8	19:41	Middle	2	1						
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	IS8	19:41	Middle	2	2						
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	IS8	19:41	Bottom	3	1	27.7	7.76	21.7	6.72	8.44	11.8
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	IS8	19:41	Bottom	3	2	27.7	7.79	21.6	6.75	8.4	13.4
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	IS(Mf)16	20:00	Surface	1	1	27.7	7.71	21.7	6.9	8.38	13.4
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	IS(Mf)16	20:00	Surface	1	2	27.6	7.75	21.8	6.87	8.43	11.8
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	IS(Mf)16	20:00	Middle	2	1	27.6	7.69	21.9	6.74	8.47	10.2
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	IS(Mf)16	20:00	Middle	2	2	27.5	7.71	21.8	6.79	8.44	12.7
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	IS(Mf)16	20:00	Bottom	3	1	27.3	7.78	22	6.64	8.56	12.8
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	IS(Mf)16	20:00	Bottom	3	2	27.4	7.82	22.1	6.67	8.61	10.3
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	IS(Mf)9	20:23	Surface	1	1	27.7	7.74	22.6	6.73	8.51	11.9
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	IS(Mf)9	20:23	Surface	1	2	27.6	7.78	22.7	6.75	8.55	11.1
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	IS(Mf)9	20:23	Middle	2	1						
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	IS(Mf)9	20:23	Middle	2	2						
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	IS(Mf)9	20:23	Bottom	3	1	27.6	7.8	22.8	6.61	8.46	11
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	IS(Mf)9	20:23	Bottom	3	2	27.5	7.83	22.9	6.64	8.42	11.8
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	CS(Mf)3	20:43	Surface	1	1	27.8	7.71	22.7	6.69	8.47	11.6

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	CS(Mf)3	20:43	Surface	1	2	27.7	7.76	22.8	6.72	8.41	10.9
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	CS(Mf)3	20:43	Middle	2	1	27.7	7.77	22.9	6.63	8.56	11.1
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	CS(Mf)3	20:43	Middle	2	2	27.6	7.79	23	6.6	8.59	12
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	CS(Mf)3	20:43	Bottom	3	1	27.6	7.86	23.2	6.48	8.71	13.1
TMCLKL	HY/2012/07	02-07-2015	Mid-Flood	CS(Mf)3	20:43	Bottom	3	2	27.5	7.81	23.3	6.52	8.68	12.2
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	CS(Mf)3	11:57	Surface	1	1	28	7.75	22.5	6.62	9.21	12
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	CS(Mf)3	11:57	Surface	1	2	27.9	7.78	22.6	6.65	9.23	13.8
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	CS(Mf)3	11:57	Middle	2	1	27.7	7.73	22.8	6.53	9.75	15.6
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	CS(Mf)3	11:57	Middle	2	2	27.8	7.76	22.9	6.49	9.82	15.7
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	CS(Mf)3	11:57	Bottom	3	1	27.7	7.79	23.2	6.34	9.95	15.9
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	CS(Mf)3	11:57	Bottom	3	2	27.6	7.81	23.1	6.37	9.91	15.9
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	SR4a	14:07	Surface	1	1	27.8	7.7	22.6	6.71	9.37	13.1
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	SR4a	14:07	Surface	1	2	27.7	7.73	22.7	6.66	9.5	12.4
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	SR4a	14:07	Middle	2	1						
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	SR4a	14:07	Middle	2	2						
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	SR4a	14:07	Bottom	3	1	27.7	7.67	23	6.48	9.73	13.6
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	SR4a	14:07	Bottom	3	2	27.7	7.7	22.9	6.51	9.65	15.4
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	SR4	13:41	Surface	1	1	27.9	7.6	22.6	6.56	8.96	11.6
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	SR4	13:41	Surface	1	2	28	7.64	22.5	6.59	9.04	12.5
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	SR4	13:41	Middle	2	1						
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	SR4	13:41	Middle	2	2						
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	SR4	13:41	Bottom	3	1	27.9	7.67	22.7	6.41	9.33	14
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	SR4	13:41	Bottom	3	2	27.8	7.7	22.8	6.38	9.42	13.2
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	IS8	13:15	Surface	1	1	28	7.69	22.4	6.63	8.66	13
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	IS8	13:15	Surface	1	2	27.9	7.65	22.5	6.61	8.78	12.3
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	IS8	13:15	Middle	2	1						
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	IS8	13:15	Middle	2	2						
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	IS8	13:15	Bottom	3	1	27.8	7.71	22.7	6.47	9	13.5
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	IS8	13:15	Bottom	3	2	27.8	7.74	22.6	6.43	9.08	13.6
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	IS(Mf)16	12:49	Surface	1	1	27.8	7.74	22.5	6.69	9.39	14.1
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	IS(Mf)16	12:49	Surface	1	2	27.7	7.76	22.6	6.66	9.31	13
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	IS(Mf)16	12:49	Middle	2	1	27.6	7.72	22.9	6.55	8.97	11.7
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	IS(Mf)16	12:49	Middle	2	2	27.7	7.84	22.8	6.53	8.83	11.5
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	IS(Mf)16	12:49	Bottom	3	1	27.6	7.78	23.1	6.42	9.12	13.7
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	IS(Mf)16	12:49	Bottom	3	2	27.6	7.75	23.2	6.4	9.21	13.6
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	IS(Mf)9	12:23	Surface	1	1	27.9	7.8	22.6	6.55	9.16	11.9
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	IS(Mf)9	12:23	Surface	1	2	27.8	7.82	22.7	6.58	9.24	11.1

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	IS(Mf)9	12:23	Middle	2	1						
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	IS(Mf)9	12:23	Middle	2	2						
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	IS(Mf)9	12:23	Bottom	3	1	27.8	7.78	22.9	6.44	9.66	15.5
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	IS(Mf)9	12:23	Bottom	3	2	27.7	7.8	23	6.46	9.73	16.6
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	CS(Mf)5	14:37	Surface	1	1	27.8	7.6	22.8	6.79	9.22	12
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	CS(Mf)5	14:37	Surface	1	2	27.8	7.61	22.9	6.77	9.29	11.1
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	CS(Mf)5	14:37	Middle	2	1	27.7	7.57	23.1	6.58	9.69	12.6
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	CS(Mf)5	14:37	Middle	2	2	27.6	7.59	23.2	6.6	9.57	13.3
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	CS(Mf)5	14:37	Bottom	3	1	27.5	7.6	23.3	6.23	9.71	12.6
TMCLKL	HY/2012/07	02-07-2015	Mid-Ebb	CS(Mf)5	14:37	Bottom	3	2	27.4	7.64	23.2	6.26	9.88	13.8
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	CS(Mf)5	7:30	Surface	1	1	27.9	7.54	22.9	6.7	9.28	13
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	CS(Mf)5	7:30	Surface	1	2	27.8	7.55	23	6.68	9.35	12.2
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	CS(Mf)5	7:30	Middle	2	1	27.8	7.51	23.2	6.49	9.75	15.7
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	CS(Mf)5	7:30	Middle	2	2	27.7	7.53	23.3	6.51	9.63	14.4
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	CS(Mf)5	7:30	Bottom	3	1	27.6	7.54	23.4	6.14	9.77	11.8
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	CS(Mf)5	7:30	Bottom	3	2	27.6	7.58	23.3	6.17	9.84	11.8
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	SR4a	7:48	Surface	1	1	27.9	7.64	22.7	6.62	9.43	14.1
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	SR4a	7:48	Surface	1	2	27.8	7.67	22.8	6.57	9.56	14.4
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	SR4a	7:48	Middle	2	1						
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	SR4a	7:48	Middle	2	2						
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	SR4a	7:48	Bottom	3	1	27.8	7.61	23	6.39	9.79	14.7
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	SR4a	7:48	Bottom	3	2	27.8	7.64	23.1	6.42	9.71	13.6
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	SR4	8:06	Surface	1	1	28.1	7.54	22.6	6.47	8.87	11.6
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	SR4	8:06	Surface	1	2	28.1	7.58	22.7	6.5	8.95	12.6
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	SR4	8:06	Middle	2	1						
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	SR4	8:06	Middle	2	2						
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	SR4	8:06	Bottom	3	1	28	7.61	22.8	6.32	9.24	13.8
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	SR4	8:06	Bottom	3	2	27.9	7.64	22.9	6.29	9.33	14
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	IS8	8:24	Surface	1	1	28.1	7.63	22.5	6.54	8.72	13.9
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	IS8	8:24	Surface	1	2	28	7.59	22.6	6.52	8.84	11.4
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	IS8	8:24	Middle	2	1						
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	IS8	8:24	Middle	2	2						
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	IS8	8:24	Bottom	3	1	27.8	7.65	22.8	6.38	9.06	10.9
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	IS8	8:24	Bottom	3	2	27.9	7.68	22.7	6.34	9.14	13.7
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	IS(Mf)16	8:42	Surface	1	1	27.9	7.68	22.7	6.6	9.45	12.4
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	IS(Mf)16	8:42	Surface	1	2	27.8	7.7	22.6	6.57	9.37	12.2
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	IS(Mf)16	8:42	Middle	2	1	27.7	7.66	22.9	6.46	9.03	11.7

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	IS(Mf)16	8:42	Middle	2	2	27.8	7.68	23	6.44	8.89	13.4
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	IS(Mf)16	8:42	Bottom	3	1	27.7	7.72	23.2	6.33	9.18	11
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	IS(Mf)16	8:42	Bottom	3	2	27.6	7.69	23.3	6.31	9.27	14
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	IS(Mf)9	9:00	Surface	1	1	28	7.74	22.7	6.46	9.22	12.9
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	IS(Mf)9	9:00	Surface	1	2	27.9	7.76	22.8	6.49	9.3	11.2
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	IS(Mf)9	9:00	Middle	2	1						
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	IS(Mf)9	9:00	Middle	2	2						
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	IS(Mf)9	9:00	Bottom	3	1	27.9	7.72	23	6.35	9.72	14.6
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	IS(Mf)9	9:00	Bottom	3	2	27.8	7.74	23.1	6.37	9.79	13.7
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	CS(Mf)3	9:19	Surface	1	1	28.1	7.69	22.6	6.53	9.27	12.1
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	CS(Mf)3	9:19	Surface	1	2	28	7.72	22.7	6.56	9.29	14.9
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	CS(Mf)3	9:19	Middle	2	1	27.9	7.67	22.9	6.44	9.81	11.8
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	CS(Mf)3	9:19	Middle	2	2	27.8	7.7	23	6.4	9.88	12.9
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	CS(Mf)3	9:19	Bottom	3	1	27.8	7.73	23.1	6.25	10.1	13.9
TMCLKL	HY/2012/07	04-07-2015	Mid-Flood	CS(Mf)3	9:19	Bottom	3	2	27.7	7.75	23	6.28	9.97	11.9
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	CS(Mf)3	12:50	Surface	1	1	28.2	7.64	22.8	6.78	9.34	14.9
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	CS(Mf)3	12:50	Surface	1	2	28.2	7.67	22.7	6.75	9.26	13
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	CS(Mf)3	12:50	Middle	2	1	28	7.7	22.9	6.63	9.74	14.6
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	CS(Mf)3	12:50	Middle	2	2	28	7.71	23	6.61	9.68	13.6
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	CS(Mf)3	12:50	Bottom	3	1	27.9	7.72	23.2	6.38	10.5	13.9
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	CS(Mf)3	12:50	Bottom	3	2	27.8	7.75	23.2	6.34	11.2	14.9
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	SR4a	14:35	Surface	1	1	28.1	7.68	22.8	6.5	9.27	14
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	SR4a	14:35	Surface	1	2	28.2	7.69	22.9	6.53	9.18	12.9
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	SR4a	14:35	Middle	2	1						
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	SR4a	14:35	Middle	2	2						
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	SR4a	14:35	Bottom	3	1	28	7.64	23.1	6.34	9.63	12.5
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	SR4a	14:35	Bottom	3	2	28	7.66	23.1	6.3	9.55	14.4
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	SR4	14:16	Surface	1	1	28.2	7.6	22.7	6.56	8.97	12.6
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	SR4	14:16	Surface	1	2	28.2	7.63	22.8	6.58	9.05	11.8
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	SR4	14:16	Middle	2	1						
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	SR4	14:16	Middle	2	2						
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	SR4	14:16	Bottom	3	1	28.1	7.64	22.9	6.43	9.4	11.3
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	SR4	14:16	Bottom	3	2	28	7.62	23	6.41	9.49	13.3
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	IS8	13:58	Surface	1	1	28.2	7.62	22.7	6.63	9.07	13.7
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	IS8	13:58	Surface	1	2	28.1	7.64	22.7	6.61	9.13	11.8
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	IS8	13:58	Middle	2	1						
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	IS8	13:58	Middle	2	2						

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	IS8	13:58	Bottom	3	1	28.1	7.67	22.9	6.5	9.34	13
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	IS8	13:58	Bottom	3	2	28	7.69	22.8	6.47	9.42	14.1
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	IS(Mf)16	13:35	Surface	1	1	28.2	7.64	22.7	6.7	9.56	15.4
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	IS(Mf)16	13:35	Surface	1	2	28.2	7.66	22.8	6.68	9.5	12.4
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	IS(Mf)16	13:35	Middle	2	1	28.1	7.67	23	6.56	9.29	13
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	IS(Mf)16	13:35	Middle	2	2	28.1	7.69	23	6.54	9.34	14.9
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	IS(Mf)16	13:35	Bottom	3	1	27.9	7.7	23.2	6.42	9.63	12.5
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	IS(Mf)16	13:35	Bottom	3	2	27.9	7.72	23.2	6.4	9.56	13.4
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	IS(Mf)9	13:15	Surface	1	1	28.2	7.78	22.7	6.67	9.4	12.2
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	IS(Mf)9	13:15	Surface	1	2	28.1	7.76	22.7	6.64	9.33	14
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	IS(Mf)9	13:15	Middle	2	1						
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	IS(Mf)9	13:15	Middle	2	2						
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	IS(Mf)9	13:15	Bottom	3	1	28	7.71	22.9	6.49	9.86	12.7
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	IS(Mf)9	13:15	Bottom	3	2	28	7.73	23	6.45	9.8	13.7
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	CS(Mf)5	15:02	Surface	1	1	28.2	7.74	23	6.64	9.07	14.6
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	CS(Mf)5	15:02	Surface	1	2	28.3	7.7	23.1	6.61	9.15	12.9
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	CS(Mf)5	15:02	Middle	2	1	28.1	7.64	23.3	6.48	9.44	13.2
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	CS(Mf)5	15:02	Middle	2	2	28.2	7.68	23.3	6.46	9.52	14.3
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	CS(Mf)5	15:02	Bottom	3	1	27.9	7.63	23.5	6.24	9.96	14.9
TMCLKL	HY/2012/07	04-07-2015	Mid-Ebb	CS(Mf)5	15:02	Bottom	3	2	27.8	7.65	23.6	6.21	10.4	12.9
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	CS(Mf)5	10:00	Surface	1	1	28	7.48	23	6.61	8.34	11.6
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	CS(Mf)5	10:00	Surface	1	2	27.9	7.49	23.1	6.59	8.41	11.8
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	CS(Mf)5	10:00	Middle	2	1	27.9	7.45	23.4	6.4	8.81	12.3
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	CS(Mf)5	10:00	Middle	2	2	27.8	7.47	23.3	6.42	8.69	11.3
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	CS(Mf)5	10:00	Bottom	3	1	27.7	7.48	23.4	6.05	8.83	12.3
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	CS(Mf)5	10:00	Bottom	3	2	27.6	7.52	23.5	6.08	8.9	11.6
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	SR4a	10:18	Surface	1	1	27.9	7.58	22.8	6.68	8.34	13.3
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	SR4a	10:18	Surface	1	2	28	7.61	22.9	6.63	8.47	11.1
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	SR4a	10:18	Middle	2	1						
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	SR4a	10:18	Middle	2	2						
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	SR4a	10:18	Bottom	3	1	27.9	7.55	23.1	6.45	8.7	13.1
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	SR4a	10:18	Bottom	3	2	27.8	7.58	23.2	6.48	8.62	13.8
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	SR4	10:36	Surface	1	1	28.2	7.48	22.7	6.53	7.78	12.5
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	SR4	10:36	Surface	1	2	28.1	7.52	22.8	6.56	7.86	11.7
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	SR4	10:36	Middle	2	1						
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	SR4	10:36	Middle	2	2						
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	SR4	10:36	Bottom	3	1	28.1	7.55	23	6.38	8.15	11.5

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	SR4	10:36	Bottom	3	2	28	7.58	22.9	6.35	8.24	9.8
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	IS8	10:54	Surface	1	1	28.2	7.57	22.6	6.6	7.63	9.1
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	IS8	10:54	Surface	1	2	28.1	7.53	22.7	6.58	7.75	9.4
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	IS8	10:54	Middle	2	1						
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	IS8	10:54	Middle	2	2						
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	IS8	10:54	Bottom	3	1	28	7.59	22.9	6.44	8.97	11.7
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	IS8	10:54	Bottom	3	2	27.9	7.62	22.8	6.4	9.05	11.7
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	IS(Mf)16	11:12	Surface	1	1	28	7.62	22.7	6.54	8.36	10.9
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	IS(Mf)16	11:12	Surface	1	2	27.9	7.64	22.8	6.51	8.28	13.3
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	IS(Mf)16	11:12	Middle	2	1	27.9	7.6	23	6.4	8.94	13.4
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	IS(Mf)16	11:12	Middle	2	2	27.8	7.72	23.1	6.38	8.8	13.2
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	IS(Mf)16	11:12	Bottom	3	1	27.8	7.66	23.4	6.27	8.09	9.7
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	IS(Mf)16	11:12	Bottom	3	2	27.7	7.63	23.3	6.25	8.18	11.5
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	IS(Mf)9	11:36	Surface	1	1	28.1	7.68	22.8	6.37	8.28	11.6
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	IS(Mf)9	11:36	Surface	1	2	28	7.7	22.9	6.4	8.36	10.1
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	IS(Mf)9	11:36	Middle	2	1						
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	IS(Mf)9	11:36	Middle	2	2						
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	IS(Mf)9	11:36	Bottom	3	1	27.9	7.66	23.1	6.26	8.78	13.2
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	IS(Mf)9	11:36	Bottom	3	2	28	7.68	23.2	6.28	8.85	11.6
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	CS(Mf)3	11:54	Surface	1	1	28.2	7.63	22.7	6.44	8.33	10
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	CS(Mf)3	11:54	Surface	1	2	28.1	7.66	22.8	6.47	8.35	10.1
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	CS(Mf)3	11:54	Middle	2	1	27.9	7.61	23.1	6.35	8.87	10.7
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	CS(Mf)3	11:54	Middle	2	2	28	7.64	23	6.31	8.94	10.7
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	CS(Mf)3	11:54	Bottom	3	1	27.9	7.67	23.1	6.16	9.92	12.9
TMCLKL	HY/2012/07	07-07-2015	Mid-Flood	CS(Mf)3	11:54	Bottom	3	2	27.8	7.69	23.2	6.19	9.88	14.7
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	CS(Mf)3	15:08	Surface	1	1	28.1	7.59	22.9	6.39	8.66	11.2
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	CS(Mf)3	15:08	Surface	1	2	28	7.63	22.8	6.31	8.71	13.1
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	CS(Mf)3	15:08	Middle	2	1	28	7.68	23.1	6.27	9.34	11.2
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	CS(Mf)3	15:08	Middle	2	2	27.9	7.72	23.2	6.22	9.39	13.2
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	CS(Mf)3	15:08	Bottom	3	1	27.6	7.75	23.4	6.11	9.42	13.2
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	CS(Mf)3	15:08	Bottom	3	2	27.7	7.79	23.5	6.08	9.51	12.4
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	SR4a	16:44	Surface	1	1	28.1	7.44	23	6.47	8.67	12.2
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	SR4a	16:44	Surface	1	2	28	7.42	22.9	6.45	8.6	11.2
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	SR4a	16:44	Middle	2	1						
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	SR4a	16:44	Middle	2	2						
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	SR4a	16:44	Bottom	3	1	27.9	7.51	23.2	6.32	8.81	13.2
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	SR4a	16:44	Bottom	3	2	28	7.54	23.3	6.29	8.85	11.6

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	SR4	16:25	Surface	1	1	28.1	7.52	22.6	6.41	7.86	11.1
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	SR4	16:25	Surface	1	2	28	7.57	22.7	6.39	7.91	11.9
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	SR4	16:25	Middle	2	1						
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	SR4	16:25	Middle	2	2						
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	SR4	16:25	Bottom	3	1	28	7.58	22.8	6.32	8.23	12.3
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	SR4	16:25	Bottom	3	2	28	7.61	22.9	6.28	8.36	11.6
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	IS8	16:10	Surface	1	1	28.2	7.66	22.8	6.47	7.89	10.9
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	IS8	16:10	Surface	1	2	28.1	7.63	22.7	6.44	7.74	11.6
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	IS8	16:10	Middle	2	1						
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	IS8	16:10	Middle	2	2						
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	IS8	16:10	Bottom	3	1	28.1	7.54	22.9	6.33	9.14	13.7
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	IS8	16:10	Bottom	3	2	28	7.59	23	6.35	9.11	11.8
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	IS(Mf)16	15:50	Surface	1	1	27.9	7.63	22.9	6.39	8.52	10.2
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	IS(Mf)16	15:50	Surface	1	2	28	7.66	23	6.44	8.56	13.8
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	IS(Mf)16	15:50	Middle	2	1	28.1	7.69	23.1	6.31	9.02	12.6
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	IS(Mf)16	15:50	Middle	2	2	28	7.71	23	6.25	8.96	10.8
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	IS(Mf)16	15:50	Bottom	3	1	27.5	7.74	23.5	6.11	9.13	13.7
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	IS(Mf)16	15:50	Bottom	3	2	27.6	7.79	23.6	6.18	9.21	12
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	IS(Mf)9	15:34	Surface	1	1	28.2	7.71	22.9	6.21	8.32	12.5
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	IS(Mf)9	15:34	Surface	1	2	28.1	7.75	23	6.18	8.37	11.6
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	IS(Mf)9	15:34	Middle	2	1						
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	IS(Mf)9	15:34	Middle	2	2						
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	IS(Mf)9	15:34	Bottom	3	1	28.1	7.76	23.1	6.11	8.89	12.5
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	IS(Mf)9	15:34	Bottom	3	2	28	7.79	23.2	6.14	9.02	14.4
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	CS(Mf)5	17:10	Surface	1	1	28.1	7.51	23.2	6.54	8.67	13.9
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	CS(Mf)5	17:10	Surface	1	2	28	7.55	23.1	6.5	8.72	10.4
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	CS(Mf)5	17:10	Middle	2	1	27.7	7.56	23.3	6.37	8.92	12.5
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	CS(Mf)5	17:10	Middle	2	2	27.6	7.59	23.2	6.34	8.99	11
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	CS(Mf)5	17:10	Bottom	3	1	27.5	7.6	23.5	6.03	9.03	12.6
TMCLKL	HY/2012/07	07-07-2015	Mid-Ebb	CS(Mf)5	17:10	Bottom	3	2	27.4	7.63	23.6	6.06	9.07	13.5
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	CS(Mf)5	14:06	Surface	1	1	28.3	7.57	23.2	6.78	8.21	12.3
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	CS(Mf)5	14:06	Surface	1	2	28.3	7.6	23.3	6.75	8.28	10
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	CS(Mf)5	14:06	Middle	2	1	28.1	7.57	23.5	6.59	8.56	13.9
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	CS(Mf)5	14:06	Middle	2	2	28.1	7.54	23.6	6.61	8.62	12.9
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	CS(Mf)5	14:06	Bottom	3	1	28	7.58	23.7	6.36	8.7	11.3
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	CS(Mf)5	14:06	Bottom	3	2	27.9	7.6	23.8	6.33	8.8	13.2
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	SR4a	14:32	Surface	1	1	28.2	7.48	23	6.67	8.36	10.1

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	SR4a	14:32	Surface	1	2	28.3	7.52	23.1	6.7	8.27	11.6
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	SR4a	14:32	Middle	2	1						
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	SR4a	14:32	Middle	2	2						
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	SR4a	14:32	Bottom	3	1	28.1	7.5	23.3	6.53	8.47	11.9
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	SR4a	14:32	Bottom	3	2	28.1	7.53	23.4	6.49	8.54	11.1
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	SR4	14:47	Surface	1	1	28.4	7.44	22.9	6.62	7.74	10
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	SR4	14:47	Surface	1	2	28.3	7.47	23	6.59	7.67	10
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	SR4	14:47	Middle	2	1						
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	SR4	14:47	Middle	2	2						
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	SR4	14:47	Bottom	3	1	28.2	7.48	23.2	6.33	8.07	11.3
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	SR4	14:47	Bottom	3	2	28.2	7.5	23.3	6.36	8.15	9.8
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	IS8	15:03	Surface	1	1	28.4	7.49	22.9	6.67	7.4	9.6
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	IS8	15:03	Surface	1	2	28.4	7.51	23	6.64	7.49	11.3
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	IS8	15:03	Middle	2	1						
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	IS8	15:03	Middle	2	2						
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	IS8	15:03	Bottom	3	1	28.3	7.56	23.1	6.5	7.88	9.5
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	IS8	15:03	Bottom	3	2	28.2	7.57	23.2	6.47	7.96	11.2
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	IS(Mf)16	15:21	Surface	1	1	28.2	7.56	23	6.57	8.21	9.8
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	IS(Mf)16	15:21	Surface	1	2	28.3	7.5	22.9	6.61	8.14	11.3
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	IS(Mf)16	15:21	Middle	2	1	28.1	7.54	23.2	6.43	8.67	10.4
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	IS(Mf)16	15:21	Middle	2	2	28.1	7.57	23.3	6.41	8.73	12.2
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	IS(Mf)16	15:21	Bottom	3	1	27.9	7.58	23.5	6.27	8.38	10.1
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	IS(Mf)16	15:21	Bottom	3	2	28	7.6	23.6	6.24	8.3	10.8
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	IS(Mf)9	15:43	Surface	1	1	28.3	7.63	23.1	6.58	8.07	12.2
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	IS(Mf)9	15:43	Surface	1	2	28.2	7.6	23	6.6	8.16	13.1
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	IS(Mf)9	15:43	Middle	2	1						
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	IS(Mf)9	15:43	Middle	2	2						
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	IS(Mf)9	15:43	Bottom	3	1	28.1	7.58	23.3	6.34	8.63	12
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	IS(Mf)9	15:43	Bottom	3	2	28.1	7.6	23.4	6.31	8.71	10.4
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	CS(Mf)3	16:03	Surface	1	1	28.3	7.57	23	6.56	8.24	10.7
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	CS(Mf)3	16:03	Surface	1	2	28.4	7.59	23.1	6.59	8.19	12.3
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	CS(Mf)3	16:03	Middle	2	1	28.2	7.56	23.2	6.4	8.78	13.2
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	CS(Mf)3	16:03	Middle	2	2	28.2	7.54	23.3	6.37	8.86	11.6
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	CS(Mf)3	16:03	Bottom	3	1	28	7.57	23.5	6.21	9.67	11.8
TMCLKL	HY/2012/07	11-07-2015	Mid-Flood	CS(Mf)3	16:03	Bottom	3	2	28	7.59	23.5	6.19	9.75	12.7
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	CS(Mf)3	8:41	Surface	1	1	28.3	7.54	22.8	6.35	8.39	13.4
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	CS(Mf)3	8:41	Surface	1	2	28.2	7.57	22.9	6.38	8.41	10.9

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	CS(Mf)3	8:41	Middle	2	1	28	7.52	23.2	6.26	8.93	13.4
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	CS(Mf)3	8:41	Middle	2	2	27.9	7.55	23.1	6.22	9	13.5
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	CS(Mf)3	8:41	Bottom	3	1	28	7.58	23.2	6.07	9.98	14.9
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	CS(Mf)3	8:41	Bottom	3	2	28	7.6	23.3	6.1	9.94	12.9
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	SR4a	10:31	Surface	1	1	28	7.49	22.9	6.59	8.4	10.1
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	SR4a	10:31	Surface	1	2	28.1	7.52	23	6.54	8.53	11.1
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	SR4a	10:31	Middle	2	1						
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	SR4a	10:31	Middle	2	2						
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	SR4a	10:31	Bottom	3	1	28	7.46	23.2	6.36	8.76	14.1
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	SR4a	10:31	Bottom	3	2	27.9	7.49	23.3	6.39	8.68	12.2
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	SR4	10:09	Surface	1	1	28.3	7.39	22.8	6.44	7.84	10.9
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	SR4	10:09	Surface	1	2	28.2	7.43	22.9	6.47	7.92	10.3
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	SR4	10:09	Middle	2	1						
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	SR4	10:09	Middle	2	2						
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	SR4	10:09	Bottom	3	1	28.1	7.46	23	6.29	8.21	12.3
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	SR4	10:09	Bottom	3	2	28.2	7.49	23.1	6.26	8.3	10
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	IS8	9:47	Surface	1	1	28.3	7.48	22.7	6.51	7.69	9.2
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	IS8	9:47	Surface	1	2	28.3	7.44	22.8	6.49	7.81	10.9
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	IS8	9:47	Middle	2	1						
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	IS8	9:47	Middle	2	2						
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	IS8	9:47	Bottom	3	1	28.1	7.5	22.9	6.35	9.03	10.8
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	IS8	9:47	Bottom	3	2	28	7.53	22.8	6.31	9.11	13.7
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	IS(Mf)16	9:25	Surface	1	1	28.1	7.53	22.9	6.47	8.42	11.8
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	IS(Mf)16	9:25	Surface	1	2	28	7.55	22.8	6.42	8.34	10
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	IS(Mf)16	9:25	Middle	2	1	28	7.51	23.2	6.31	9	11.7
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	IS(Mf)16	9:25	Middle	2	2	28	7.63	23.1	6.29	8.86	12.5
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	IS(Mf)16	9:25	Bottom	3	1	27.8	7.57	23.4	6.18	8.15	10.7
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	IS(Mf)16	9:25	Bottom	3	2	27.9	7.54	23.5	6.16	8.24	10.7
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	IS(Mf)9	9:03	Surface	1	1	28.2	7.59	22.9	6.28	8.34	11.6
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	IS(Mf)9	9:03	Surface	1	2	28.1	7.61	23	6.31	8.42	10.1
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	IS(Mf)9	9:03	Middle	2	1						
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	IS(Mf)9	9:03	Middle	2	2						
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	IS(Mf)9	9:03	Bottom	3	1	28.1	7.57	23.3	6.17	8.84	14.1
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	IS(Mf)9	9:03	Bottom	3	2	28	7.59	23.2	6.19	8.91	14.2
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	CS(Mf)5	10:55	Surface	1	1	28.1	7.39	23.1	6.52	8.4	10.1
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	CS(Mf)5	10:55	Surface	1	2	28	7.4	23.2	6.5	8.47	11.9
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	CS(Mf)5	10:55	Middle	2	1	28	7.36	23.5	6.31	8.87	13.4

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	CS(Mf)5	10:55	Middle	2	2	27.9	7.38	23.4	6.33	8.75	11.4
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	CS(Mf)5	10:55	Bottom	3	1	27.8	7.39	23.5	5.96	8.89	12.5
TMCLKL	HY/2012/07	11-07-2015	Mid-Ebb	CS(Mf)5	10:55	Bottom	3	2	27.7	7.43	23.6	5.99	8.96	10.8
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	CS(Mf)5	17:15	Surface	1	1	28.1	7.64	22.5	6.64	9	14.4
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	CS(Mf)5	17:15	Surface	1	2	28.3	7.67	22.5	6.67	8.96	11.6
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	CS(Mf)5	17:15	Middle	2	1	28	7.65	23.1	6.6	9.53	14.3
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	CS(Mf)5	17:15	Middle	2	2	27.8	7.68	23	6.56	9.61	13.5
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	CS(Mf)5	17:15	Bottom	3	1	27.7	7.74	23.4	6.37	9.68	13.6
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	CS(Mf)5	17:15	Bottom	3	2	27.9	7.72	23	6.42	9.74	14.6
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	SR4a	17:44	Surface	1	1	28	7.6	22.6	6.5	9.31	13
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	SR4a	17:44	Surface	1	2	28.3	7.58	22.5	6.56	9.27	13
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	SR4a	17:44	Middle	2	1						
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	SR4a	17:44	Middle	2	2						
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	SR4a	17:44	Bottom	3	1	28	7.64	22.6	6.38	9.44	14.2
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	SR4a	17:44	Bottom	3	2	27.9	7.65	22.8	6.43	9.4	14.1
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	SR4	18:04	Surface	1	1	28.1	7.1	27.6	6.52	9.21	12.9
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	SR4	18:04	Surface	1	2	28	7.14	27.3	6.55	9.17	11
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	SR4	18:04	Middle	2	1						
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	SR4	18:04	Middle	2	2						
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	SR4	18:04	Bottom	3	1	28.1	7.1	22.6	6.36	9.83	12.8
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	SR4	18:04	Bottom	3	2	28.1	7.06	22	6.42	9.9	14.9
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	IS8	18:19	Surface	1	1	29	7.62	22.5	6.61	9.41	12.2
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	IS8	18:19	Surface	1	2	29.1	7.59	22.2	6.64	9.36	12.2
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	IS8	18:19	Middle	2	1						
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	IS8	18:19	Middle	2	2						
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	IS8	18:19	Bottom	3	1	28.9	7.6	22.5	6.54	9.87	13.8
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	IS8	18:19	Bottom	3	2	28.6	7.64	22	6.55	9.94	11.9
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	IS(Mf)16	18:36	Surface	1	1	28.3	7.6	22.6	6.74	9.21	13.8
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	IS(Mf)16	18:36	Surface	1	2	28.4	7.58	22	6.77	9.26	11.1
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	IS(Mf)16	18:36	Middle	2	1	28.2	7.61	22.3	6.62	9.44	12.3
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	IS(Mf)16	18:36	Middle	2	2	28.3	7.64	22	6.6	9.4	12.2
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	IS(Mf)16	18:36	Bottom	3	1	28	7.61	22.8	6.47	9.61	13.5
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	IS(Mf)16	18:36	Bottom	3	2	28	7.62	23	6.44	9.66	15.5
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	IS(Mf)9	18:57	Surface	1	1	28.7	7.66	23.1	6.66	9.07	13.6
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	IS(Mf)9	18:57	Surface	1	2	28.6	7.72	23.2	6.72	9.09	14.5
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	IS(Mf)9	18:57	Middle	2	1						
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	IS(Mf)9	18:57	Middle	2	2						

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	IS(Mf)9	18:57	Bottom	3	1	28.5	7.72	23	6.52	9.21	12
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	IS(Mf)9	18:57	Bottom	3	2	28.4	7.7	23.1	6.5	9.27	13.9
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	CS(Mf)3	19:16	Surface	1	1	28.7	7.64	22.2	6.66	9.41	15.1
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	CS(Mf)3	19:16	Surface	1	2	28.6	7.6	22.5	6.64	9.44	12.3
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	CS(Mf)3	19:16	Middle	2	1	28.4	7.61	22.6	6.5	9.83	13.8
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	CS(Mf)3	19:16	Middle	2	2	28.5	7.66	22.3	6.51	9.81	12.8
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	CS(Mf)3	19:16	Bottom	3	1	28.5	7.71	23	6.41	10	12
TMCLKL	HY/2012/07	14-07-2015	Mid-Flood	CS(Mf)3	19:16	Bottom	3	2	28.2	7.68	22.7	6.37	9.88	14.8
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	CS(Mf)3	11:12	Surface	1	1	28.2	7.68	22.8	6.61	9.4	15
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	CS(Mf)3	11:12	Surface	1	2	28.1	7.63	22.7	6.64	9.37	14.1
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	CS(Mf)3	11:12	Middle	2	1	27.9	7.7	22.9	6.47	9.83	12.8
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	CS(Mf)3	11:12	Middle	2	2	28	7.74	23	6.43	9.88	13.8
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	CS(Mf)3	11:12	Bottom	3	1	27.6	7.81	23.3	6.27	10.4	12.5
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	CS(Mf)3	11:12	Bottom	3	2	27.7	7.85	23.4	6.22	10.9	15.3
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	SR4a	13:06	Surface	1	1	28.2	7.62	22.7	6.42	9.31	14
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	SR4a	13:06	Surface	1	2	28.2	7.66	22.8	6.45	9.25	13.9
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	SR4a	13:06	Middle	2	1						
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	SR4a	13:06	Middle	2	2						
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	SR4a	13:06	Bottom	3	1	28.1	7.69	22.9	6.31	9.47	13.3
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	SR4a	13:06	Bottom	3	2	28.1	7.74	22.8	6.34	9.56	14.3
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	SR4	12:49	Surface	1	1	28.1	7.65	27.8	6.45	9.26	12
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	SR4	12:49	Surface	1	2	28.2	7.68	27.7	6.42	9.2	13.8
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	SR4	12:49	Middle	2	1						
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	SR4	12:49	Middle	2	2						
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	SR4	12:49	Bottom	3	1	28	7.73	22.9	6.3	9.82	12.8
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	SR4	12:49	Bottom	3	2	28.1	7.79	22.9	6.33	9.87	13.8
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	IS8	12:32	Surface	1	1	28.2	7.59	22.6	6.57	9.32	14.9
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	IS8	12:32	Surface	1	2	28.3	7.62	22.7	6.53	9.38	14.1
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	IS8	12:32	Middle	2	1						
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	IS8	12:32	Middle	2	2						
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	IS8	12:32	Bottom	3	1	28.1	7.65	22.8	6.48	10.1	14.1
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	IS8	12:32	Bottom	3	2	28	7.68	22.7	6.45	9.84	15.7
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	IS(Mf)16	12:00	Surface	1	1	28.2	7.61	22.8	6.68	9.26	13
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	IS(Mf)16	12:00	Surface	1	2	28.1	7.66	22.7	6.63	9.34	12.1
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	IS(Mf)16	12:00	Middle	2	1	28.1	7.69	22.9	6.51	9.47	14.2
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	IS(Mf)16	12:00	Middle	2	2	28	7.65	22.8	6.54	9.52	15.2
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	IS(Mf)16	12:00	Bottom	3	1	27.8	7.68	23.1	6.37	9.66	14.7

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	IS(Mf)16	12:00	Bottom	3	2	27.7	7.73	23.2	6.4	9.6	14.4
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	IS(Mf)9	11:41	Surface	1	1	28.2	7.71	23	6.51	9.18	13.8
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	IS(Mf)9	11:41	Surface	1	2	28.3	7.66	22.9	6.55	9.11	12.8
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	IS(Mf)9	11:41	Middle	2	1						
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	IS(Mf)9	11:41	Middle	2	2						
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	IS(Mf)9	11:41	Bottom	3	1	28.2	7.74	23.1	6.42	9.36	13.1
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	IS(Mf)9	11:41	Bottom	3	2	28.1	7.78	23	6.44	9.42	12.2
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	CS(Mf)5	13:27	Surface	1	1	28.1	7.7	22.8	6.59	9.01	14.4
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	CS(Mf)5	13:27	Surface	1	2	28	7.73	22.9	6.63	8.89	12.4
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	CS(Mf)5	13:27	Middle	2	1	28	7.68	23.2	6.51	9.67	15.5
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	CS(Mf)5	13:27	Middle	2	2	27.9	7.71	23.1	6.47	9.54	12.4
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	CS(Mf)5	13:27	Bottom	3	1	27.8	7.78	23.5	6.34	9.87	13.8
TMCLKL	HY/2012/07	14-07-2015	Mid-Ebb	CS(Mf)5	13:27	Bottom	3	2	27.7	7.83	23.4	6.36	9.94	11.9
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	CS(Mf)5	18:33	Surface	1	1	28.3	7.55	22.5	6.7	8.91	10.7
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	CS(Mf)5	18:33	Surface	1	2	28.2	7.58	22.6	6.73	8.87	11.5
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	CS(Mf)5	18:33	Middle	2	1	27.9	7.56	23.2	6.66	9.44	15.1
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	CS(Mf)5	18:33	Middle	2	2	28	7.59	23.1	6.62	9.52	14.3
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	CS(Mf)5	18:33	Bottom	3	1	27.9	7.65	23.2	6.43	9.59	12.5
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	CS(Mf)5	18:33	Bottom	3	2	27.8	7.63	23.3	6.48	9.65	12.5
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	SR4a	18:53	Surface	1	1	28.3	7.51	22.6	6.56	9.22	14.8
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	SR4a	18:53	Surface	1	2	28.2	7.49	22.7	6.62	9.18	14.7
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	SR4a	18:53	Middle	2	1						
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	SR4a	18:53	Middle	2	2						
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	SR4a	18:53	Bottom	3	1	28	7.55	22.8	6.44	9.35	12.2
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	SR4a	18:53	Bottom	3	2	28.1	7.56	22.7	6.49	9.31	14.9
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	SR4	19:13	Surface	1	1	28.2	7.01	22.4	6.58	9.12	13.7
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	SR4	19:13	Surface	1	2	28.1	7.05	22.5	6.61	9.08	13.6
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	SR4	19:13	Middle	2	1						
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	SR4	19:13	Middle	2	2						
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	SR4	19:13	Bottom	3	1	28.2	7.01	22.6	6.42	9.74	12.7
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	SR4	19:13	Bottom	3	2	28.1	6.97	22.7	6.48	9.87	12.8
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	IS8	19:33	Surface	1	1	28.4	7.53	22.5	6.67	9.32	13
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	IS8	19:33	Surface	1	2	28.3	7.5	22.4	6.7	9.27	13.9
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	IS8	19:33	Middle	2	1						
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	IS8	19:33	Middle	2	2						
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	IS8	19:33	Bottom	3	1	28.3	7.51	22.7	6.6	9.78	14.7
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	IS8	19:33	Bottom	3	2	28.2	7.55	22.8	6.61	9.85	12.8

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	IS(Mf)16	19:53	Surface	1	1	28.5	7.51	22.3	6.8	9.12	14.6
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	IS(Mf)16	19:53	Surface	1	2	28.4	7.49	22.4	6.83	9.17	11.9
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	IS(Mf)16	19:53	Middle	2	1	28.3	7.52	22.5	6.68	9.35	15
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	IS(Mf)16	19:53	Middle	2	2	28.4	7.55	22.4	6.66	9.31	13
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	IS(Mf)16	19:53	Bottom	3	1	28.1	7.52	22.9	6.53	9.52	12.4
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	IS(Mf)16	19:53	Bottom	3	2	28	7.53	23	6.5	9.57	13.4
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	IS(Mf)9	20:13	Surface	1	1	28.6	7.57	23	6.72	8.98	11.7
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	IS(Mf)9	20:13	Surface	1	2	28.6	7.63	23.1	6.78	9	13.5
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	IS(Mf)9	20:13	Middle	2	1						
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	IS(Mf)9	20:13	Middle	2	2						
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	IS(Mf)9	20:13	Bottom	3	1	28.3	7.63	23	6.58	9.12	12.8
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	IS(Mf)9	20:13	Bottom	3	2	28.2	7.61	22.9	6.56	9.18	11.9
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	CS(Mf)3	20:33	Surface	1	1	28.6	7.55	22.2	6.72	9.32	14
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	CS(Mf)3	20:33	Surface	1	2	28.5	7.51	22.3	6.7	9.35	11.2
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	CS(Mf)3	20:33	Middle	2	1	28.4	7.52	22.4	6.56	9.74	15.6
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	CS(Mf)3	20:33	Middle	2	2	28.3	7.57	22.3	6.57	9.72	15.6
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	CS(Mf)3	20:33	Bottom	3	1	28.2	7.62	22.6	6.47	9.91	14.9
TMCLKL	HY/2012/07	16-07-2015	Mid-Flood	CS(Mf)3	20:33	Bottom	3	2	28.1	7.59	22.7	6.43	9.79	14.7
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	CS(Mf)3	12:34	Surface	1	1	28.7	7.56	22.5	6.62	9.44	11.3
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	CS(Mf)3	12:34	Surface	1	2	28.6	7.6	22.6	6.64	9.37	12.2
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	CS(Mf)3	12:34	Middle	2	1	28.6	7.64	23	6.6	9.59	13.4
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	CS(Mf)3	12:34	Middle	2	2	28.5	7.68	22.9	6.57	9.62	11.5
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	CS(Mf)3	12:34	Bottom	3	1	28.4	7.71	23.4	6.38	10.4	15.6
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	CS(Mf)3	12:34	Bottom	3	2	28.3	7.67	23.3	6.35	10.8	16.2
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	SR4a	14:17	Surface	1	1	28.6	7.56	22.6	6.43	9.34	11.2
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	SR4a	14:17	Surface	1	2	28.5	7.59	22.7	6.46	9.29	13.9
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	SR4a	14:17	Middle	2	1						
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	SR4a	14:17	Middle	2	2						
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	SR4a	14:17	Bottom	3	1	28.5	7.62	22.8	6.41	9.4	15
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	SR4a	14:17	Bottom	3	2	28.4	7.65	22.7	6.37	9.46	14.2
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	SR4	13:59	Surface	1	1	28.5	7.11	22.6	6.41	9.36	13.1
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	SR4	13:59	Surface	1	2	28.4	7.12	22.7	6.38	9.41	12.2
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	SR4	13:59	Middle	2	1						
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	SR4	13:59	Middle	2	2						
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	SR4	13:59	Bottom	3	1	28.3	7.16	22.5	6.36	9.86	14.8
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	SR4	13:59	Bottom	3	2	28.2	7.18	22.6	6.34	9.91	13.9
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	IS8	13:42	Surface	1	1	28.6	7.21	22.6	6.52	9.44	11.3

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	IS8	13:42	Surface	1	2	28.5	7.26	22.5	6.56	9.48	14.2
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	IS8	13:42	Middle	2	1						
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	IS8	13:42	Middle	2	2						
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	IS8	13:42	Bottom	3	1	28.5	7.16	22.6	6.5	9.69	13.6
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	IS8	13:42	Bottom	3	2	28.4	7.1	22.6	6.47	9.74	13.6
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	IS(Mf)16	13:21	Surface	1	1	28.5	7.61	22.4	6.71	9.28	13
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	IS(Mf)16	13:21	Surface	1	2	28.6	7.66	22.5	6.68	9.36	14
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	IS(Mf)16	13:21	Middle	2	1	28.4	7.6	22.6	6.58	9.43	12.3
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	IS(Mf)16	13:21	Middle	2	2	28.4	7.56	22.6	6.55	9.48	14.2
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	IS(Mf)16	13:21	Bottom	3	1	28.3	7.69	22.8	6.42	9.67	13.5
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	IS(Mf)16	13:21	Bottom	3	2	28.2	7.73	22.9	6.4	9.73	13.6
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	IS(Mf)9	13:02	Surface	1	1	28.7	7.59	23.2	6.58	8.99	14.4
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	IS(Mf)9	13:02	Surface	1	2	28.6	7.64	23.1	6.63	9.08	13.6
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	IS(Mf)9	13:02	Middle	2	1						
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	IS(Mf)9	13:02	Middle	2	2						
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	IS(Mf)9	13:02	Bottom	3	1	28.5	7.68	23.2	6.53	9.16	14.7
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	IS(Mf)9	13:02	Bottom	3	2	28.4	7.71	23.3	6.55	9.21	12
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	CS(Mf)5	14:42	Surface	1	1	28.7	7.59	22.7	6.58	8.99	12.6
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	CS(Mf)5	14:42	Surface	1	2	28.6	7.62	22.8	6.64	8.92	14.3
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	CS(Mf)5	14:42	Middle	2	1	28.4	7.64	23.3	6.53	9.56	14.3
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	CS(Mf)5	14:42	Middle	2	2	28.5	7.68	23.2	6.56	9.59	12.5
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	CS(Mf)5	14:42	Bottom	3	1	28.2	7.68	23.4	6.48	9.68	12.6
TMCLKL	HY/2012/07	16-07-2015	Mid-Ebb	CS(Mf)5	14:42	Bottom	3	2	28.1	7.73	23.4	6.46	9.74	13.6
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	CS(Mf)5	7:15	Surface	1	1	28	7.73	23	6.64	8.21	10.7
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	CS(Mf)5	7:15	Surface	1	2	27.9	7.75	23.1	6.66	8.23	12.3
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	CS(Mf)5	7:15	Middle	2	1	27.8	7.66	23.2	6.5	9.43	14.1
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	CS(Mf)5	7:15	Middle	2	2	27.7	7.68	23.3	6.52	9.45	13.2
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	CS(Mf)5	7:15	Bottom	3	1	27.6	7.82	23.4	6.37	9.66	11.6
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	CS(Mf)5	7:15	Bottom	3	2	27.5	7.8	23.4	6.35	9.64	12.6
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	SR4a	7:30	Surface	1	1	27.9	7.63	23.1	6.71	8.35	12.5
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	SR4a	7:30	Surface	1	2	27.8	7.65	23.2	6.69	8.37	13.4
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	SR4a	7:30	Middle	2	1						
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	SR4a	7:30	Middle	2	2						
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	SR4a	7:30	Bottom	3	1	27.7	7.77	23.3	6.52	9.24	13.9
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	SR4a	7:30	Bottom	3	2	27.6	7.79	23.4	6.54	9.26	11.1
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	SR4	7:45	Surface	1	1	28	7.66	23.1	6.49	8.24	12.4
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	SR4	7:45	Surface	1	2	27.9	7.64	23.2	6.47	8.26	12.4

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	SR4	7:45	Middle	2	1						
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	SR4	7:45	Middle	2	2						
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	SR4	7:45	Bottom	3	1	27.7	7.73	23.3	6.33	8.47	11
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	SR4	7:45	Bottom	3	2	27.6	7.75	23.4	6.35	8.49	11.9
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	IS8	8:00	Surface	1	1	27.9	7.72	23	6.66	8.04	9.6
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	IS8	8:00	Surface	1	2	27.8	7.7	23.1	6.68	8.06	12.1
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	IS8	8:00	Middle	2	1						
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	IS8	8:00	Middle	2	2						
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	IS8	8:00	Bottom	3	1	27.7	7.65	23.2	6.41	8.29	11.6
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	IS8	8:00	Bottom	3	2	27.7	7.63	23.3	6.43	8.31	10
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	IS(Mf)16	8:25	Surface	1	1	28.1	7.63	23.1	6.7	7.94	12.7
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	IS(Mf)16	8:25	Surface	1	2	28	7.65	23.2	6.72	7.96	11.9
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	IS(Mf)16	8:25	Middle	2	1	27.9	7.81	23.3	6.6	8.11	11.4
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	IS(Mf)16	8:25	Middle	2	2	27.8	7.83	23.3	6.58	8.13	12.2
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	IS(Mf)16	8:25	Bottom	3	1	27.7	7.7	23.4	6.51	8.43	11.8
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	IS(Mf)16	8:25	Bottom	3	2	27.6	7.72	23.4	6.53	8.45	11.8
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	IS(Mf)9	8:50	Surface	1	1	28.1	7.75	23.1	6.67	8.13	9.8
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	IS(Mf)9	8:50	Surface	1	2	28.2	7.77	23.2	6.65	8.15	10.6
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	IS(Mf)9	8:50	Middle	2	1						
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	IS(Mf)9	8:50	Middle	2	2						
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	IS(Mf)9	8:50	Bottom	3	1	28	7.8	23.3	6.43	8.26	12.4
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	IS(Mf)9	8:50	Bottom	3	2	27.9	7.82	23.4	6.45	8.28	13.2
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	CS(Mf)3	9:10	Surface	1	1	28	7.81	23	6.59	8.24	12.4
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	CS(Mf)3	9:10	Surface	1	2	27.9	7.83	22.9	6.61	8.26	13.2
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	CS(Mf)3	9:10	Middle	2	1	27.7	7.64	23.1	6.48	8.37	10.9
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	CS(Mf)3	9:10	Middle	2	2	27.6	7.66	23.2	6.46	8.39	10.1
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	CS(Mf)3	9:10	Bottom	3	1	27.5	7.72	23.4	6.37	8.47	11.9
TMCLKL	HY/2012/07	18-07-2015	Mid-Flood	CS(Mf)3	9:10	Bottom	3	2	27.6	7.74	23.3	6.35	8.49	11
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	CS(Mf)3	12:48	Surface	1	1	28.3	7.59	22.8	6.52	9.46	12.3
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	CS(Mf)3	12:48	Surface	1	2	28.3	7.54	22.9	6.55	9.43	12.3
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	CS(Mf)3	12:48	Middle	2	1	28	7.61	23.1	6.38	9.89	14.8
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	CS(Mf)3	12:48	Middle	2	2	28.1	7.65	23	6.34	9.94	13.9
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	CS(Mf)3	12:48	Bottom	3	1	27.8	7.72	23.4	6.18	11	15.4
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	CS(Mf)3	12:48	Bottom	3	2	27.7	7.76	23.5	6.13	11.5	13.8
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	SR4a	14:38	Surface	1	1	28.1	7.53	22.9	6.33	9.37	14.1
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	SR4a	14:38	Surface	1	2	28	7.57	22.8	6.36	9.31	13
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	SR4a	14:38	Middle	2	1						

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	SR4a	14:38	Middle	2	2						
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	SR4a	14:38	Bottom	3	1	27.9	7.6	22.9	6.22	9.53	14.3
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	SR4a	14:38	Bottom	3	2	28	7.65	23	6.25	9.62	13.5
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	SR4	14:16	Surface	1	1	28.1	7.56	22.9	6.36	9.32	14
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	SR4	14:16	Surface	1	2	28	7.59	23	6.33	9.29	11.1
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	SR4	14:16	Middle	2	1						
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	SR4	14:16	Middle	2	2						
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	SR4	14:16	Bottom	3	1	28	7.64	23	6.21	9.88	14.8
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	SR4	14:16	Bottom	3	2	27.9	7.7	23.1	6.24	9.93	12.9
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	IS8	13:54	Surface	1	1	28.2	7.5	22.7	6.48	9.38	11.3
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	IS8	13:54	Surface	1	2	28.1	7.53	22.8	6.44	9.44	11.3
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	IS8	13:54	Middle	2	1						
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	IS8	13:54	Middle	2	2						
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	IS8	13:54	Bottom	3	1	28.1	7.56	22.8	6.39	10.7	14
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	IS8	13:54	Bottom	3	2	28	7.59	22.9	6.36	9.9	12.9
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	IS(Mf)16	13:32	Surface	1	1	28.1	7.52	22.8	6.6	9.32	13
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	IS(Mf)16	13:32	Surface	1	2	28.2	7.57	22.9	6.54	9.4	12.2
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	IS(Mf)16	13:32	Middle	2	1	28	7.6	23	6.42	9.53	13.3
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	IS(Mf)16	13:32	Middle	2	2	28.1	7.56	22.9	6.45	9.58	11.5
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	IS(Mf)16	13:32	Bottom	3	1	27.7	7.59	23.2	6.28	9.72	14.6
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	IS(Mf)16	13:32	Bottom	3	2	27.6	7.64	23.3	6.31	9.66	13.5
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	IS(Mf)9	13:10	Surface	1	1	28.4	7.62	23	6.42	9.24	12
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	IS(Mf)9	13:10	Surface	1	2	28.3	7.57	23.1	6.46	9.17	11.9
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	IS(Mf)9	13:10	Middle	2	1						
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	IS(Mf)9	13:10	Middle	2	2						
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	IS(Mf)9	13:10	Bottom	3	1	28.3	7.65	23.1	6.33	9.42	11.3
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	IS(Mf)9	13:10	Bottom	3	2	28.3	7.69	23.2	6.35	9.48	14.2
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	CS(Mf)5	15:00	Surface	1	1	28.1	7.61	22.9	6.5	9.07	10.9
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	CS(Mf)5	15:00	Surface	1	2	28.2	7.64	23	6.54	8.95	10.7
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	CS(Mf)5	15:00	Middle	2	1	28.1	7.59	23.3	6.42	9.73	12.6
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	CS(Mf)5	15:00	Middle	2	2	28.1	7.62	23.2	6.38	9.6	15.4
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	CS(Mf)5	15:00	Bottom	3	1	27.9	7.69	23.5	6.25	9.93	15.9
TMCLKL	HY/2012/07	18-07-2015	Mid-Ebb	CS(Mf)5	15:00	Bottom	3	2	27.8	7.74	23.6	6.27	10	13
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	CS(Mf)5	8:49	Surface	1	1	27.1	7.67	20.9	6.41	12.4	14.9
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	CS(Mf)5	8:49	Surface	1	2	27	7.7	21	6.45	12.6	16.4
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	CS(Mf)5	8:49	Middle	2	1	27	7.65	21.2	6.33	13.2	17.2
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	CS(Mf)5	8:49	Middle	2	2	26.9	7.68	21.3	6.29	13.6	19

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	CS(Mf)5	8:49	Bottom	3	1	26.7	7.75	21.5	6.19	13.9	16.7
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	CS(Mf)5	8:49	Bottom	3	2	26.6	7.8	21.4	6.18	14.2	17
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	SR4a	9:11	Surface	1	1	27.1	7.59	20.9	6.24	11.9	15.5
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	SR4a	9:11	Surface	1	2	27.1	7.63	21	6.27	12.2	17.1
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	SR4a	9:11	Middle	2	1						
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	SR4a	9:11	Middle	2	2						
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	SR4a	9:11	Bottom	3	1	26.8	7.66	21.2	6.13	12.7	16.5
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	SR4a	9:11	Bottom	3	2	26.9	7.71	21.3	6.16	12.9	18.1
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	SR4	9:33	Surface	1	1	27	7.62	20.8	6.27	12.2	19.5
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	SR4	9:33	Surface	1	2	27.1	7.65	20.8	6.24	12.6	18.9
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	SR4	9:33	Middle	2	1						
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	SR4	9:33	Middle	2	2						
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	SR4	9:33	Bottom	3	1	26.8	7.7	21.1	6.12	13.5	20.7
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	SR4	9:33	Bottom	3	2	26.9	7.76	20.9	6.15	13.8	17.6
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	IS8	9:55	Surface	1	1	27.2	7.41	20.7	6.39	12.1	16.9
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	IS8	9:55	Surface	1	2	27.1	7.44	20.8	6.35	12	16.8
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	IS8	9:55	Middle	2	1						
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	IS8	9:55	Middle	2	2						
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	IS8	9:55	Bottom	3	1	27	7.47	20.9	6.3	12.9	19.4
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	IS8	9:55	Bottom	3	2	26.9	7.5	20.8	6.27	13.4	20.1
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	IS(Mf)16	10:17	Surface	1	1	27.2	7.58	20.8	6.51	10.8	16.2
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	IS(Mf)16	10:17	Surface	1	2	27.1	7.63	20.9	6.45	10.3	16.5
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	IS(Mf)16	10:17	Middle	2	1	26.9	7.66	21.8	6.33	11.1	16.7
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	IS(Mf)16	10:17	Middle	2	2	27	7.62	21.9	6.36	11.4	16
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	IS(Mf)16	10:17	Bottom	3	1	26.7	7.65	22	6.19	12.2	15.9
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	IS(Mf)16	10:17	Bottom	3	2	26.8	7.7	21.9	6.22	12.5	15
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	IS(Mf)9	10:39	Surface	1	1	27.4	7.68	20.6	6.33	11	14.3
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	IS(Mf)9	10:39	Surface	1	2	27.3	7.63	20.7	6.37	10.8	16.2
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	IS(Mf)9	10:39	Middle	2	1						
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	IS(Mf)9	10:39	Middle	2	2						
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	IS(Mf)9	10:39	Bottom	3	1	27.2	7.71	20.9	6.24	11.8	15.3
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	IS(Mf)9	10:39	Bottom	3	2	27.3	7.75	21	6.26	12.1	16.9
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	CS(Mf)3	11:01	Surface	1	1	27.3	7.65	20.7	6.43	11.4	18.2
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	CS(Mf)3	11:01	Surface	1	2	27.2	7.6	20.8	6.46	11.6	15.1
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	CS(Mf)3	11:01	Middle	2	1	27.1	7.67	21	6.29	12.6	17.6
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	CS(Mf)3	11:01	Middle	2	2	27	7.71	21.1	6.25	12.8	16.6
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	CS(Mf)3	11:01	Bottom	3	1	26.8	7.78	21.3	6.09	11.5	17.3

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	21-07-2015	Mid-Flood	CS(Mf)3	11:01	Bottom	3	2	26.7	7.82	21.4	6.04	11.9	16.7
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	CS(Mf)3	14:25	Surface	1	1	27.5	7.69	20.5	6.32	14.5	17.4
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	CS(Mf)3	14:25	Surface	1	2	27.4	7.71	20.6	6.3	14.7	17.5
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	CS(Mf)3	14:25	Middle	2	1	27.4	7.74	20.7	6.17	15.7	20.6
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	CS(Mf)3	14:25	Middle	2	2	27.3	7.76	20.8	6.19	15.9	20.9
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	CS(Mf)3	14:25	Bottom	3	1	27.1	7.88	20.9	6	16.5	21.8
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	CS(Mf)3	14:25	Bottom	3	2	27	7.86	21	6.02	16.7	20.4
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	SR4a	16:15	Surface	1	1	27.4	7.94	20.5	6.11	13.3	17.3
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	SR4a	16:15	Surface	1	2	27.3	7.92	20.5	6.09	13.5	20.3
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	SR4a	16:15	Middle	2	1						
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	SR4a	16:15	Middle	2	2						
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	SR4a	16:15	Bottom	3	1	27.1	7.68	20.7	5.98	14.1	18.3
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	SR4a	16:15	Bottom	3	2	27.2	7.7	20.8	6	14.3	20
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	SR4	15:41	Surface	1	1	27.4	7.65	20.5	6.14	15.9	23.9
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	SR4	15:41	Surface	1	2	27.3	7.67	20.5	6.16	16.1	20.9
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	SR4	15:41	Middle	2	1						
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	SR4	15:41	Middle	2	2						
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	SR4	15:41	Bottom	3	1	27.3	7.81	20.6	6.04	16.9	22
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	SR4	15:41	Bottom	3	2	27.2	7.83	20.7	6.06	17.1	21.7
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	IS8	15:29	Surface	1	1	27.5	7.73	20.6	6.24	16.8	20.5
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	IS8	15:29	Surface	1	2	27.6	7.71	20.7	6.22	17	20.8
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	IS8	15:29	Middle	2	1						
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	IS8	15:29	Middle	2	2						
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	IS8	15:29	Bottom	3	1	27.3	8.04	20.8	6.11	17.8	21.9
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	IS8	15:29	Bottom	3	2	27.2	8.06	20.9	6.09	18	24.8
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	IS(Mf)16	15:06	Surface	1	1	27.4	7.81	20.4	6.33	13.7	19.2
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	IS(Mf)16	15:06	Surface	1	2	27.3	7.83	20.5	6.31	13.9	18.1
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	IS(Mf)16	15:06	Middle	2	1	27.3	7.65	20.6	6.21	16.5	21.8
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	IS(Mf)16	15:06	Middle	2	2	27.3	7.67	20.7	6.23	16.3	21.5
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	IS(Mf)16	15:06	Bottom	3	1	27.2	7.94	20.8	6.04	17.1	22.2
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	IS(Mf)16	15:06	Bottom	3	2	27.1	7.96	20.8	6.06	17.3	22
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	IS(Mf)9	14:46	Surface	1	1	27.4	7.74	20.4	6.24	17.8	21.7
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	IS(Mf)9	14:46	Surface	1	2	27.3	7.76	20.5	6.22	18	23.8
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	IS(Mf)9	14:46	Middle	2	1						
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	IS(Mf)9	14:46	Middle	2	2						
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	IS(Mf)9	14:46	Bottom	3	1	27.2	7.81	20.6	6.17	19.4	20.2
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	IS(Mf)9	14:46	Bottom	3	2	27.1	7.83	20.7	6.15	19.6	20.5

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	CS(Mf)5	16:40	Surface	1	1	27.5	8.03	20.5	6.3	14.9	17.9
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	CS(Mf)5	16:40	Surface	1	2	27.5	8.05	20.6	6.28	15.1	18.1
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	CS(Mf)5	16:40	Middle	2	1	27.4	8.11	20.7	6.15	15.7	22
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	CS(Mf)5	16:40	Middle	2	2	27.3	8.09	20.7	6.13	15.5	21.7
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	CS(Mf)5	16:40	Bottom	3	1	27.2	7.96	20.8	6.04	18	21
TMCLKL	HY/2012/07	21-07-2015	Mid-Ebb	CS(Mf)5	16:40	Bottom	3	2	27.1	7.94	20.9	6.06	18.2	25.5
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	CS(Mf)5	10:27	Surface	1	1	26.2	7.42	19.8	7.23	18.7	21
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	CS(Mf)5	10:27	Surface	1	2	26.3	7.38	19.9	7.19	17.9	21.1
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	CS(Mf)5	10:27	Middle	2	1	26.3	7.32	20	7.08	15.2	16.8
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	CS(Mf)5	10:27	Middle	2	2	26.3	7.35	20.1	7.05	15.6	15.4
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	CS(Mf)5	10:27	Bottom	3	1	26.2	7.38	20.3	6.88	20.4	15
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	CS(Mf)5	10:27	Bottom	3	2	26.1	7.41	20.4	6.85	19.8	14.7
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	SR4a	10:53	Surface	1	1	26.2	7.34	19.8	7.08	16.4	21
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	SR4a	10:53	Surface	1	2	26.2	7.37	19.8	7.11	17.2	20.1
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	SR4a	10:53	Middle	2	1						
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	SR4a	10:53	Middle	2	2						
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	SR4a	10:53	Bottom	3	1	26.2	7.38	19.9	7.02	18.3	16
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	SR4a	10:53	Bottom	3	2	26.3	7.33	20	7	19	12.6
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	SR4	11:10	Surface	1	1	26.2	7.42	19.7	7.25	17.6	18.2
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	SR4	11:10	Surface	1	2	26.3	7.38	19.8	7.18	18.1	18.2
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	SR4	11:10	Middle	2	1						
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	SR4	11:10	Middle	2	2						
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	SR4	11:10	Bottom	3	1	26.3	7.33	19.9	7.11	19.3	14
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	SR4	11:10	Bottom	3	2	26.3	7.35	19.9	7.07	18.7	13.5
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	IS8	11:28	Surface	1	1	26.3	7.41	19.6	7.14	15.8	21
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	IS8	11:28	Surface	1	2	26.3	7.44	19.7	7.12	16.3	19.5
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	IS8	11:28	Middle	2	1						
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	IS8	11:28	Middle	2	2						
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	IS8	11:28	Bottom	3	1	26.3	7.39	19.9	7.02	17.4	14
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	IS8	11:28	Bottom	3	2	26.3	7.37	19.8	6.98	18	11.7
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	IS(Mf)16	11:46	Surface	1	1	26.3	7.38	19.6	7.09	16.7	18.2
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	IS(Mf)16	11:46	Surface	1	2	26.4	7.4	19.6	7.11	17.5	15.6
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	IS(Mf)16	11:46	Middle	2	1	26.3	7.43	19.7	7.03	15.3	19.2
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	IS(Mf)16	11:46	Middle	2	2	26.3	7.47	19.7	7	15.8	18.4
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	IS(Mf)16	11:46	Bottom	3	1	26.2	7.4	19.9	6.87	19.2	14
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	IS(Mf)16	11:46	Bottom	3	2	26.3	7.43	19.9	6.84	18.6	14.4
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	IS(Mf)9	12:07	Surface	1	1	26.4	7.32	19.6	7.2	17.2	19.6

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	IS(Mf)9	12:07	Surface	1	2	26.4	7.35	19.5	7.17	17.9	19.5
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	IS(Mf)9	12:07	Middle	2	1						
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	IS(Mf)9	12:07	Middle	2	2						
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	IS(Mf)9	12:07	Bottom	3	1	26.4	7.39	19.6	6.97	18.8	14.1
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	IS(Mf)9	12:07	Bottom	3	2	26.4	7.41	19.6	6.94	19.3	13.6
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	CS(Mf)3	12:27	Surface	1	1	26.4	7.3	19.7	7.34	16.2	22.4
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	CS(Mf)3	12:27	Surface	1	2	26.5	7.33	19.8	7.31	17.1	18.2
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	CS(Mf)3	12:27	Middle	2	1	26.3	7.37	19.9	7.24	15	18
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	CS(Mf)3	12:27	Middle	2	2	26.4	7.39	19.9	7.2	15.8	15.2
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	CS(Mf)3	12:27	Bottom	3	1	26.2	7.36	20.2	7.08	19.4	13
TMCLKL	HY/2012/07	23-07-2015	Mid-Flood	CS(Mf)3	12:27	Bottom	3	2	26.2	7.4	20.1	7.05	20.7	11.7
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	CS(Mf)3	15:38	Surface	1	1	26.3	7.37	19.8	7.28	19.5	18.2
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	CS(Mf)3	15:38	Surface	1	2	26.2	7.32	19.9	7.25	19.1	18.2
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	CS(Mf)3	15:38	Middle	2	1	26.2	7.44	20.1	7.31	19.7	19.2
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	CS(Mf)3	15:38	Middle	2	2	26.1	7.48	20	7.29	20.4	17.6
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	CS(Mf)3	15:38	Bottom	3	1	25.9	7.59	20.3	7.04	21.8	11.7
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	CS(Mf)3	15:38	Bottom	3	2	26	7.53	20.4	6.99	20.9	10.8
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	SR4a	17:26	Surface	1	1	26.3	7.4	20.1	7.1	17.4	19.6
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	SR4a	17:26	Surface	1	2	26.2	7.37	20.2	7.07	17.9	18.2
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	SR4a	17:26	Middle	2	1						
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	SR4a	17:26	Middle	2	2						
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	SR4a	17:26	Bottom	3	1	26.2	7.42	20.2	6.98	18	15
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	SR4a	17:26	Bottom	3	2	26.2	7.47	20.3	6.94	18.8	13.5
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	SR4	17:10	Surface	1	1	26.3	7.36	20.1	7.11	18.3	21.4
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	SR4	17:10	Surface	1	2	26.2	7.39	20.2	7.08	18	19.5
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	SR4	17:10	Middle	2	1						
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	SR4	17:10	Middle	2	2						
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	SR4	17:10	Bottom	3	1	26.2	7.42	20.2	7.06	20.1	15
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	SR4	17:10	Bottom	3	2	26.1	7.46	20.3	7.03	20.8	13.5
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	IS8	16:54	Surface	1	1	26.4	7.43	20.2	7.09	16.7	21
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	IS8	16:54	Surface	1	2	26.3	7.47	20.1	7.04	16.2	16.9
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	IS8	16:54	Middle	2	1						
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	IS8	16:54	Middle	2	2						
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	IS8	16:54	Bottom	3	1	26.2	7.51	20.2	7.02	17.6	14.3
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	IS8	16:54	Bottom	3	2	26.1	7.49	20.2	7.05	18.1	13.5
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	IS(Mf)16	16:33	Surface	1	1	26.2	7.4	19.8	7.06	18.2	16.8
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	IS(Mf)16	16:33	Surface	1	2	26.3	7.46	19.9	7.04	18.7	18.2

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	IS(Mf)16	16:33	Middle	2	1	26.2	7.48	20.2	6.98	19.1	14.4
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	IS(Mf)16	16:33	Middle	2	2	26.1	7.45	20.1	7.03	19.6	15.4
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	IS(Mf)16	16:33	Bottom	3	1	26.1	7.52	20.4	6.91	19.8	15
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	IS(Mf)16	16:33	Bottom	3	2	26	7.58	20.3	6.85	20.2	12.6
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	IS(Mf)9	16:06	Surface	1	1	26.2	7.37	19.9	7.13	18.1	16.8
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	IS(Mf)9	16:06	Surface	1	2	26.1	7.4	20	7.1	18.6	19.5
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	IS(Mf)9	16:06	Middle	2	1						
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	IS(Mf)9	16:06	Middle	2	2						
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	IS(Mf)9	16:06	Bottom	3	1	26	7.42	20.1	7.01	19.8	14
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	IS(Mf)9	16:06	Bottom	3	2	26.1	7.49	20.2	6.96	20.3	11.7
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	CS(Mf)5	17:47	Surface	1	1	26.3	7.46	20	7.18	17.8	19.6
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	CS(Mf)5	17:47	Surface	1	2	26.4	7.48	19.9	7.15	18.2	18.2
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	CS(Mf)5	17:47	Middle	2	1	26.3	7.41	20.2	7.12	18.9	18
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	CS(Mf)5	17:47	Middle	2	2	26.2	7.44	20.3	7.07	19.3	15.4
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	CS(Mf)5	17:47	Bottom	3	1	26.1	7.49	20.4	6.93	20.6	15
TMCLKL	HY/2012/07	23-07-2015	Mid-Ebb	CS(Mf)5	17:47	Bottom	3	2	26	7.54	20.3	6.96	20.9	13.5
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	CS(Mf)5	12:15	Surface	1	1	26.4	7.33	19.9	7.29	17.8	26.9
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	CS(Mf)5	12:15	Surface	1	2	26.3	7.29	20	7.25	17	24
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	CS(Mf)5	12:15	Middle	2	1	26.3	7.23	20.1	7.14	14.3	20
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	CS(Mf)5	12:15	Middle	2	2	26.2	7.26	20	7.11	14.7	19.1
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	CS(Mf)5	12:15	Bottom	3	1	26.2	7.29	20.4	6.94	19.5	20.8
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	CS(Mf)5	12:15	Bottom	3	2	26.3	7.32	20.5	6.91	18.9	19.1
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	SR4a	12:37	Surface	1	1	26.3	7.25	19.8	7.14	15.5	21.3
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	SR4a	12:37	Surface	1	2	26.2	7.28	19.9	7.17	16.3	21.2
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	SR4a	12:37	Middle	2	1						
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	SR4a	12:37	Middle	2	2						
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	SR4a	12:37	Bottom	3	1	26.3	7.29	20	7.08	17.4	23
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	SR4a	12:37	Bottom	3	2	26.4	7.24	20.1	7.06	18.1	20.5
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	SR4	12:59	Surface	1	1	26.4	7.33	19.8	7.31	16.7	21.4
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	SR4	12:59	Surface	1	2	26.3	7.29	19.9	7.24	17.2	22.7
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	SR4	12:59	Middle	2	1						
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	SR4	12:59	Middle	2	2						
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	SR4	12:59	Bottom	3	1	26.4	7.24	20	7.17	18.4	24.6
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	SR4	12:59	Bottom	3	2	26.4	7.26	19.9	7.13	17.8	23.5
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	IS8	13:21	Surface	1	1	26.4	7.32	19.8	7.2	14.9	20.9
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	IS8	13:21	Surface	1	2	26.4	7.33	19.7	7.18	15.4	23.1
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	IS8	13:21	Middle	2	1						

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	IS8	13:21	Middle	2	2						
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	IS8	13:21	Bottom	3	1	26.2	7.3	19.8	7.08	16.5	23.1
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	IS8	13:21	Bottom	3	2	26.3	7.28	19.9	7.04	17.1	22.5
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	IS(Mf)16	13:43	Surface	1	1	26.5	7.29	19.6	7.15	15.8	26.5
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	IS(Mf)16	13:43	Surface	1	2	26.4	7.31	19.7	7.17	16.6	24.9
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	IS(Mf)16	13:43	Middle	2	1	26.3	7.34	19.8	7.09	14.4	18.7
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	IS(Mf)16	13:43	Middle	2	2	26.4	7.38	19.7	7.06	14.9	18.9
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	IS(Mf)16	13:43	Bottom	3	1	26.3	7.31	19.9	6.93	18.3	24.5
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	IS(Mf)16	13:43	Bottom	3	2	26.2	7.34	20	6.9	17.7	20
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	IS(Mf)9	14:05	Surface	1	1	26.4	7.23	19.6	7.26	16.3	22.8
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	IS(Mf)9	14:05	Surface	1	2	26.5	7.26	19.7	7.23	17	20.8
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	IS(Mf)9	14:05	Middle	2	1						
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	IS(Mf)9	14:05	Middle	2	2						
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	IS(Mf)9	14:05	Bottom	3	1	26.3	7.3	19.7	7.03	17.9	25.4
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	IS(Mf)9	14:05	Bottom	3	2	26.4	7.32	19.6	7	18.4	23
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	CS(Mf)3	14:29	Surface	1	1	26.6	7.21	19.8	7.4	15.3	21.4
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	CS(Mf)3	14:29	Surface	1	2	26.5	7.24	19.9	7.37	16.2	24.3
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	CS(Mf)3	14:29	Middle	2	1	26.4	7.28	19.9	7.3	14.1	21.2
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	CS(Mf)3	14:29	Middle	2	2	26.5	7.3	20	7.26	14.9	22.4
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	CS(Mf)3	14:29	Bottom	3	1	26.3	7.27	20.3	7.14	18.5	24.8
TMCLKL	HY/2012/07	25-07-2015	Mid-Flood	CS(Mf)3	14:29	Bottom	3	2	26.2	7.31	20.2	7.11	19.8	21.8
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	CS(Mf)3	17:50	Surface	1	1	26.5	7.24	19.6	7.26	16.8	21.1
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	CS(Mf)3	17:50	Surface	1	2	26.4	7.27	19.7	7.23	17.3	22.8
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	CS(Mf)3	17:50	Middle	2	1	26.5	7.27	19.8	7.19	15.2	24.3
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	CS(Mf)3	17:50	Middle	2	2	26.5	7.25	19.8	7.2	14.8	19.2
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	CS(Mf)3	17:50	Bottom	3	1	26.4	7.34	20	7.08	19.2	21.1
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	CS(Mf)3	17:50	Bottom	3	2	26.3	7.3	20.1	7.05	20.1	21.2
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	SR4a	19:21	Surface	1	1	26.3	7.31	19.6	7.08	14.6	19
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	SR4a	19:21	Surface	1	2	26.4	7.33	19.7	7.12	15.2	21.3
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	SR4a	19:21	Middle	2	1						
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	SR4a	19:21	Middle	2	2						
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	SR4a	19:21	Bottom	3	1	26.4	7.36	19.8	7.03	16.6	23.2
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	SR4a	19:21	Bottom	3	2	26.4	7.39	19.9	6.99	17.3	22.5
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	SR4	19:05	Surface	1	1	26.3	7.31	19.7	7.46	15.2	21.3
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	SR4	19:05	Surface	1	2	26.4	7.34	19.6	7.43	15.9	22.3
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	SR4	19:05	Middle	2	1						
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	SR4	19:05	Middle	2	2						

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	SR4	19:05	Bottom	3	1	26.4	7.37	19.8	7.29	17	20.8
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	SR4	19:05	Bottom	3	2	26.5	7.4	19.9	7.25	17.8	23.5
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	IS8	18:50	Surface	1	1	26.3	7.36	19.5	7.36	14.8	19.2
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	IS8	18:50	Surface	1	2	26.3	7.35	19.5	7.39	15.5	23.3
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	IS8	18:50	Middle	2	1						
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	IS8	18:50	Middle	2	2						
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	IS8	18:50	Bottom	3	1	26.3	7.39	19.7	7.22	18.4	26.2
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	IS8	18:50	Bottom	3	2	26.4	7.4	19.7	7.19	17.6	26.6
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	IS(Mf)16	18:30	Surface	1	1	26.3	7.37	19.3	7.24	16.3	22.8
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	IS(Mf)16	18:30	Surface	1	2	26.2	7.39	19.4	7.21	17	26.4
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	IS(Mf)16	18:30	Middle	2	1	26.3	7.39	19.5	7.15	15.2	21.3
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	IS(Mf)16	18:30	Middle	2	2	26.4	7.37	19.6	7.12	14.6	20.4
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	IS(Mf)16	18:30	Bottom	3	1	26.4	7.39	19.8	7.05	19.6	25.6
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	IS(Mf)16	18:30	Bottom	3	2	26.5	7.4	19.9	7	18.7	22.4
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	IS(Mf)9	18:12	Surface	1	1	26.4	7.28	19.5	7.32	15.7	23.3
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	IS(Mf)9	18:12	Surface	1	2	26.4	7.3	19.5	7.35	16.6	21.5
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	IS(Mf)9	18:12	Middle	2	1						
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	IS(Mf)9	18:12	Middle	2	2						
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	IS(Mf)9	18:12	Bottom	3	1	26.4	7.28	19.6	7.21	17.3	22.8
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	IS(Mf)9	18:12	Bottom	3	2	26.4	7.25	19.7	7.18	18	20.9
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	CS(Mf)5	19:39	Surface	1	1	26.3	7.36	19.7	7.23	16.8	18.9
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	CS(Mf)5	19:39	Surface	1	2	26.2	7.32	19.7	7.18	16	19.2
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	CS(Mf)5	19:39	Middle	2	1	26.3	7.29	19.8	7.26	15.3	18.4
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	CS(Mf)5	19:39	Middle	2	2	26.3	7.33	19.9	7.22	14.6	21.9
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	CS(Mf)5	19:39	Bottom	3	1	26.5	7.35	20.2	7.09	19.2	24.3
TMCLKL	HY/2012/07	25-07-2015	Mid-Ebb	CS(Mf)5	19:39	Bottom	3	2	26.4	7.38	20.3	7.05	18.6	22.4
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	CS(Mf)5	16:10	Surface	1	1	26.5	7.39	20.1	7.35	16.9	22.3
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	CS(Mf)5	16:10	Surface	1	2	26.4	7.35	20.1	7.31	16.1	18.1
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	CS(Mf)5	16:10	Middle	2	1	26.4	7.29	20.1	7.2	13.4	20.1
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	CS(Mf)5	16:10	Middle	2	2	26.3	7.32	20.2	7.17	13.8	20.7
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	CS(Mf)5	16:10	Bottom	3	1	26.3	7.35	20.5	7	18.6	20.8
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	CS(Mf)5	16:10	Bottom	3	2	26.2	7.38	20.6	6.97	18	25.8
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	SR4a	16:32	Surface	1	1	26.4	7.31	20	7.2	14.6	21.9
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	SR4a	16:32	Surface	1	2	26.3	7.34	19.9	7.23	15.4	18.5
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	SR4a	16:32	Middle	2	1						
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	SR4a	16:32	Middle	2	2						
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	SR4a	16:32	Bottom	3	1	26.2	7.35	20.1	7.14	16.5	24

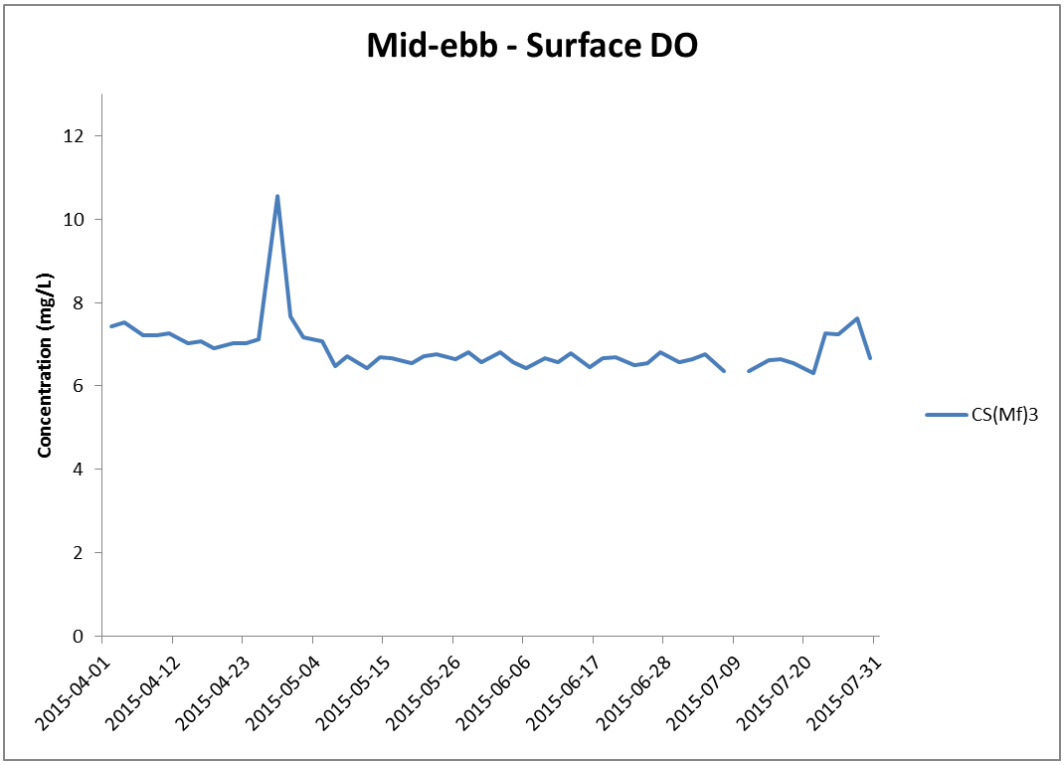
Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	SR4a	16:32	Bottom	3	2	26.3	7.3	20.2	7.12	17.2	22.8
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	SR4	16:54	Surface	1	1	26.4	7.29	19.9	7.37	15.8	23.7
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	SR4	16:54	Surface	1	2	26.5	7.35	20	7.3	16.3	22.8
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	SR4	16:54	Middle	2	1						
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	SR4	16:54	Middle	2	2						
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	SR4	16:54	Bottom	3	1	26.4	7.3	20.1	7.23	17.5	23.1
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	SR4	16:54	Bottom	3	2	26.3	7.32	20	7.19	16.9	19.8
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	IS8	17:16	Surface	1	1	26.5	7.38	19.8	7.26	16	22.4
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	IS8	17:16	Surface	1	2	26.4	7.39	19.9	7.24	14.5	23.2
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	IS8	17:16	Middle	2	1						
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	IS8	17:16	Middle	2	2						
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	IS8	17:16	Bottom	3	1	26.3	7.36	20	7.14	15.6	22.5
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	IS8	17:16	Bottom	3	2	26.4	7.34	19.9	7.1	16.2	24.3
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	IS(Mf)16	17:38	Surface	1	1	26.6	7.35	19.7	7.21	14.9	20.8
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	IS(Mf)16	17:38	Surface	1	2	26.5	7.37	19.8	7.23	15.7	18
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	IS(Mf)16	17:38	Middle	2	1	26.4	7.4	19.8	7.15	13.5	21.7
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	IS(Mf)16	17:38	Middle	2	2	26.5	7.44	19.9	7.12	14	19.4
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	IS(Mf)16	17:38	Bottom	3	1	26.4	7.37	20	6.99	17.4	23.8
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	IS(Mf)16	17:38	Bottom	3	2	26.4	7.4	20.1	6.96	16.8	22
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	IS(Mf)9	18:00	Surface	1	1	26.6	7.29	19.7	7.32	15.4	16.2
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	IS(Mf)9	18:00	Surface	1	2	26.5	7.32	19.8	7.29	16.1	19.6
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	IS(Mf)9	18:00	Middle	2	1						
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	IS(Mf)9	18:00	Middle	2	2						
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	IS(Mf)9	18:00	Bottom	3	1	26.4	7.36	19.8	7.09	17	19.7
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	IS(Mf)9	18:00	Bottom	3	2	26.5	7.38	19.9	7.06	17.5	23.1
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	CS(Mf)3	18:24	Surface	1	1	26.7	7.27	20	7.46	14.4	18.7
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	CS(Mf)3	18:24	Surface	1	2	26.6	7.3	19.9	7.43	15.3	21.4
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	CS(Mf)3	18:24	Middle	2	1	26.5	7.34	20	7.36	13.2	17.2
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	CS(Mf)3	18:24	Middle	2	2	26.6	7.36	20.1	7.32	14	19.6
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	CS(Mf)3	18:24	Bottom	3	1	26.4	7.33	20.3	7.2	17.6	20.7
TMCLKL	HY/2012/07	28-07-2015	Mid-Flood	CS(Mf)3	18:24	Bottom	3	2	26.3	7.37	20.4	7.17	18.9	25.4
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	CS(Mf)3	10:10	Surface	1	1	26.4	7.34	19.7	7.63	12.9	18.1
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	CS(Mf)3	10:10	Surface	1	2	26.5	7.31	19.6	7.6	13.3	20
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	CS(Mf)3	10:10	Middle	2	1	26.5	7.29	19.8	7.49	14.2	21.3
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	CS(Mf)3	10:10	Middle	2	2	26.5	7.32	19.8	7.52	14.8	23.7
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	CS(Mf)3	10:10	Bottom	3	1	26.4	7.36	20.2	7.33	16.6	20.5
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	CS(Mf)3	10:10	Bottom	3	2	26.4	7.33	20.1	7.3	17.2	22.3

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	SR4a	11:55	Surface	1	1	26.3	7.27	19.8	7.31	15	22.5
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	SR4a	11:55	Surface	1	2	26.3	7.3	19.8	7.28	14.1	18.3
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	SR4a	11:55	Middle	2	1						
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	SR4a	11:55	Middle	2	2						
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	SR4a	11:55	Bottom	3	1	26.2	7.24	19.9	7.17	15.8	20.5
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	SR4a	11:55	Bottom	3	2	26.1	7.28	20	7.13	15.2	18.2
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	SR4	11:34	Surface	1	1	26.3	7.34	19.7	7.47	15.1	22.7
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	SR4	11:34	Surface	1	2	26.4	7.29	19.8	7.44	15.8	22.1
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	SR4	11:34	Middle	2	1						
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	SR4	11:34	Middle	2	2						
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	SR4	11:34	Bottom	3	1	26.4	7.3	19.9	7.3	16.7	24.2
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	SR4	11:34	Bottom	3	2	26.4	7.33	19.9	7.28	17.1	24
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	IS8	11:15	Surface	1	1	26.4	7.34	19.7	7.34	15.3	23
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	IS8	11:15	Surface	1	2	26.5	7.37	19.6	7.31	14.6	19
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	IS8	11:15	Middle	2	1						
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	IS8	11:15	Middle	2	2						
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	IS8	11:15	Bottom	3	1	26.4	7.38	19.9	7.2	16.4	22.4
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	IS8	11:15	Bottom	3	2	26.4	7.4	20	7.23	15.7	23.6
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	IS(Mf)16	10:52	Surface	1	1	26.4	7.4	19.5	7.41	13.8	19.3
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	IS(Mf)16	10:52	Surface	1	2	26.4	7.37	19.6	7.38	14.4	20.2
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	IS(Mf)16	10:52	Middle	2	1	26.4	7.39	19.6	7.26	14.7	23.5
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	IS(Mf)16	10:52	Middle	2	2	26.4	7.42	19.7	7.22	15.3	19.9
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	IS(Mf)16	10:52	Bottom	3	1	26.5	7.33	19.9	7.09	17.1	24.2
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	IS(Mf)16	10:52	Bottom	3	2	26.5	7.35	20	7.06	17.8	22.1
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	IS(Mf)9	10:33	Surface	1	1	26.4	7.33	19.6	7.48	14.6	19
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	IS(Mf)9	10:33	Surface	1	2	26.4	7.3	19.5	7.44	13.9	22.2
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	IS(Mf)9	10:33	Middle	2	1						
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	IS(Mf)9	10:33	Middle	2	2						
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	IS(Mf)9	10:33	Bottom	3	1	26.4	7.36	19.7	7.22	15.5	21.7
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	IS(Mf)9	10:33	Bottom	3	2	26.5	7.34	19.8	7.19	16.1	20.9
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	CS(Mf)5	12:13	Surface	1	1	26.3	7.32	20	7.46	15.8	22.1
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	CS(Mf)5	12:13	Surface	1	2	26.4	7.35	20	7.43	15.1	22.7
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	CS(Mf)5	12:13	Middle	2	1	26.3	7.29	20.2	7.35	14.2	18.5
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	CS(Mf)5	12:13	Middle	2	2	26.3	7.33	20.1	7.31	13.6	20.4
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	CS(Mf)5	12:13	Bottom	3	1	26.3	7.36	20.4	7.11	16.7	22.3
TMCLKL	HY/2012/07	28-07-2015	Mid-Ebb	CS(Mf)5	12:13	Bottom	3	2	26.2	7.38	20.4	7.09	17.3	24.2
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	CS(Mf)5	17:33	Surface	1	1	27.9	7.74	23.3	6.89	8.07	11.3

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	CS(Mf)5	17:33	Surface	1	2	27.9	7.7	23.2	6.84	7.99	11.2
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	CS(Mf)5	17:33	Middle	2	1	27.7	7.78	23.4	6.73	9.19	13.7
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	CS(Mf)5	17:33	Middle	2	2	27.6	7.73	23.3	6.7	9.27	12.1
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	CS(Mf)5	17:33	Bottom	3	1	27.4	7.82	23.6	6.58	9.36	14
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	CS(Mf)5	17:33	Bottom	3	2	27.5	7.81	23.5	6.55	9.41	11.3
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	SR4a	18:09	Surface	1	1	27.9	7.71	23.2	6.81	7.97	12.7
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	SR4a	18:09	Surface	1	2	28	7.75	23.1	6.84	7.98	11.2
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	SR4a	18:09	Middle	2	1						
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	SR4a	18:09	Middle	2	2						
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	SR4a	18:09	Bottom	3	1	27.7	7.87	23.3	6.69	8.43	13.5
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	SR4a	18:09	Bottom	3	2	27.7	7.74	23.4	6.72	8.52	12.8
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	SR4	18:23	Surface	1	1	27.9	7.76	23.3	6.63	7.97	11.2
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	SR4	18:23	Surface	1	2	27.8	7.79	23.2	6.66	8.03	9.6
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	SR4	18:23	Middle	2	1						
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	SR4	18:23	Middle	2	2						
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	SR4	18:23	Bottom	3	1	27.7	7.8	23.5	6.51	8.19	12.3
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	SR4	18:23	Bottom	3	2	27.6	7.84	23.4	6.47	8.25	11.6
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	IS8	18:39	Surface	1	1	27.8	7.69	23.2	6.89	7.86	9.4
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	IS8	18:39	Surface	1	2	27.9	7.73	23.1	6.86	7.91	9.5
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	IS8	18:39	Middle	2	1						
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	IS8	18:39	Middle	2	2						
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	IS8	18:39	Bottom	3	1	27.7	7.78	23.4	6.57	8.12	11.4
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	IS8	18:39	Bottom	3	2	27.8	7.79	23.3	6.55	8.07	9.7
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	IS(Mf)16	18:57	Surface	1	1	28	7.66	23.2	6.79	7.7	10
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	IS(Mf)16	18:57	Surface	1	2	27.9	7.61	23.1	6.82	7.78	11.7
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	IS(Mf)16	18:57	Middle	2	1	27.7	7.75	23.4	6.73	7.88	11
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	IS(Mf)16	18:57	Middle	2	2	27.6	7.79	23.5	6.76	7.93	10.3
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	IS(Mf)16	18:57	Bottom	3	1	27.5	7.8	23.6	6.68	8.17	12.3
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	IS(Mf)16	18:57	Bottom	3	2	27.4	7.83	23.7	6.64	8.11	12.2
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	IS(Mf)9	19:21	Surface	1	1	28	7.89	23.1	6.8	7.95	11.1
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	IS(Mf)9	19:21	Surface	1	2	27.9	7.85	23	6.84	7.9	10.3
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	IS(Mf)9	19:21	Middle	2	1						
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	IS(Mf)9	19:21	Middle	2	2						
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	IS(Mf)9	19:21	Bottom	3	1	27.7	7.81	23.4	6.6	8.06	12.1
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	IS(Mf)9	19:21	Bottom	3	2	27.6	7.83	23.3	6.63	8.12	12.2
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	CS(Mf)3	19:45	Surface	1	1	27.8	7.81	23.2	6.68	7.81	9.4
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	CS(Mf)3	19:45	Surface	1	2	27.9	7.84	23.3	6.65	7.88	12.6

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	CS(Mf)3	19:45	Middle	2	1	27.6	7.72	23.5	6.51	8.06	9.7
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	CS(Mf)3	19:45	Middle	2	2	27.7	7.78	23.4	6.54	8.11	12.2
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	CS(Mf)3	19:45	Bottom	3	1	27.5	7.8	23.7	6.49	8.3	12.5
TMCLKL	HY/2012/07	30-07-2015	Mid-Flood	CS(Mf)3	19:45	Bottom	3	2	27.4	7.86	23.6	6.47	8.37	11.7
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	CS(Mf)3	11:26	Surface	1	1	28.1	7.87	23.1	6.65	8.15	11.4
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	CS(Mf)3	11:26	Surface	1	2	28	7.89	23	6.67	8.17	11.4
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	CS(Mf)3	11:26	Middle	2	1	27.7	7.7	23.2	6.54	8.28	10.8
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	CS(Mf)3	11:26	Middle	2	2	27.8	7.72	23.3	6.52	8.3	12.5
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	CS(Mf)3	11:26	Bottom	3	1	27.9	7.78	23.5	6.43	8.38	11.7
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	CS(Mf)3	11:26	Bottom	3	2	27.8	7.8	23.4	6.41	8.4	11.8
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	SR4a	13:16	Surface	1	1	27.9	7.69	23.3	6.77	8.26	13.2
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	SR4a	13:16	Surface	1	2	28	7.71	23.2	6.75	8.28	10.8
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	SR4a	13:16	Middle	2	1						
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	SR4a	13:16	Middle	2	2						
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	SR4a	13:16	Bottom	3	1	27.8	7.83	23.4	6.58	9.15	14.6
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	SR4a	13:16	Bottom	3	2	27.7	7.85	23.5	6.6	9.17	11.9
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	SR4	12:54	Surface	1	1	28.1	7.72	23.2	6.55	8.15	11.4
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	SR4	12:54	Surface	1	2	28	7.7	23.3	6.53	8.17	10.6
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	SR4	12:54	Middle	2	1						
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	SR4	12:54	Middle	2	2						
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	SR4	12:54	Bottom	3	1	27.8	7.79	23.5	6.39	8.38	10.9
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	SR4	12:54	Bottom	3	2	27.7	7.81	23.4	6.41	8.4	11.8
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	IS8	12:32	Surface	1	1	28	7.78	23.1	6.72	7.95	10.3
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	IS8	12:32	Surface	1	2	27.9	7.76	23	6.74	7.97	10.4
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	IS8	12:32	Middle	2	1						
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	IS8	12:32	Middle	2	2						
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	IS8	12:32	Bottom	3	1	27.8	7.71	23.3	6.47	8.2	10.7
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	IS8	12:32	Bottom	3	2	27.7	7.69	23.2	6.49	8.22	11.5
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	IS(Mf)16	12:10	Surface	1	1	28.2	7.69	23.2	6.76	7.85	11
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	IS(Mf)16	12:10	Surface	1	2	28.1	7.71	23.3	6.78	7.87	10.2
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	IS(Mf)16	12:10	Middle	2	1	27.9	7.87	23.4	6.66	8.02	10.4
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	IS(Mf)16	12:10	Middle	2	2	28	7.89	23.3	6.64	8.04	11.3
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	IS(Mf)16	12:10	Bottom	3	1	27.8	7.76	23.4	6.57	8.34	11.7
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	IS(Mf)16	12:10	Bottom	3	2	27.7	7.78	23.5	6.59	8.36	12.5
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	IS(Mf)9	11:48	Surface	1	1	28.3	7.81	23.2	6.73	8.04	9.6
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	IS(Mf)9	11:48	Surface	1	2	28.2	7.83	23.3	6.71	8.06	10.5
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	IS(Mf)9	11:48	Middle	2	1						

Project	Works	Date (yyyy-mm-dd)	Tide	Stat	Start Time	Level	Lev_Cod	Replicate	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	IS(Mf)9	11:48	Middle	2	2						
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	IS(Mf)9	11:48	Bottom	3	1	28	7.86	23.4	6.49	8.17	9.8
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	IS(Mf)9	11:48	Bottom	3	2	28.1	7.88	23.5	6.51	8.19	11.5
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	CS(Mf)5	13:40	Surface	1	1	28.1	7.79	23.1	6.7	8.12	10.6
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	CS(Mf)5	13:40	Surface	1	2	28	7.81	23.2	6.72	8.14	12.2
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	CS(Mf)5	13:40	Middle	2	1	27.8	7.72	23.4	6.56	9.34	14
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	CS(Mf)5	13:40	Middle	2	2	27.9	7.74	23.3	5.58	9.36	13.1
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	CS(Mf)5	13:40	Bottom	3	1	27.6	7.88	23.4	6.43	9.57	13.4
TMCLKL	HY/2012/07	30-07-2015	Mid-Ebb	CS(Mf)5	13:40	Bottom	3	2	27.7	7.86	23.5	6.41	9.55	13.4



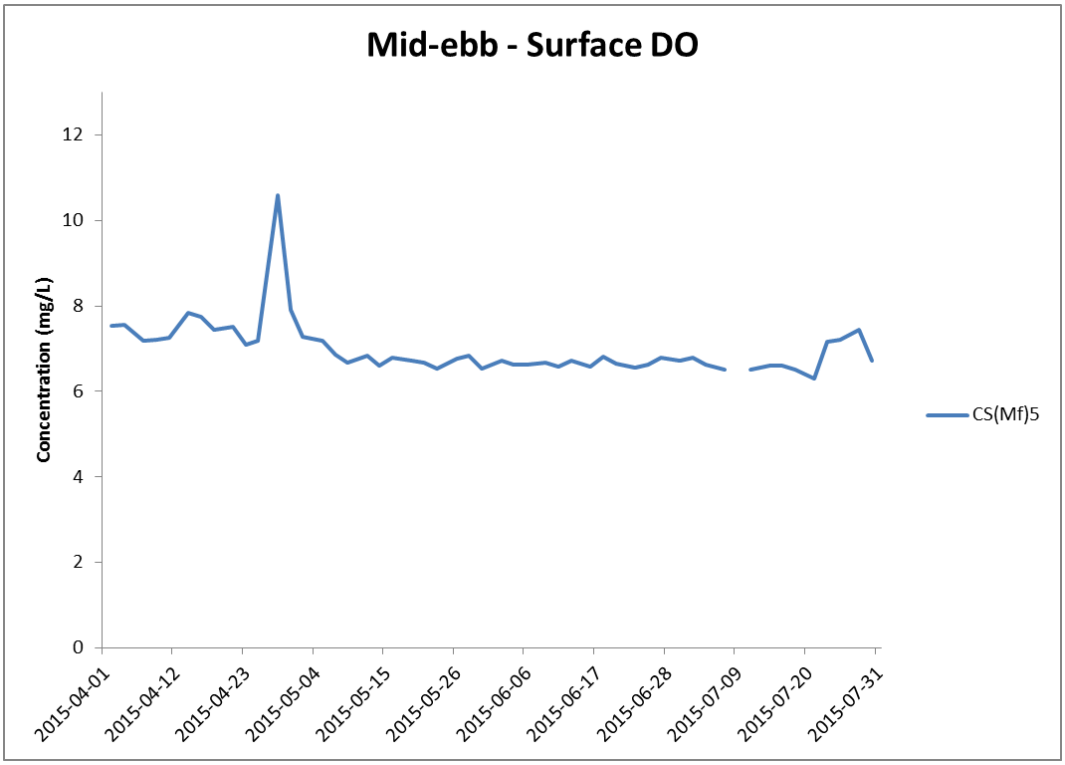
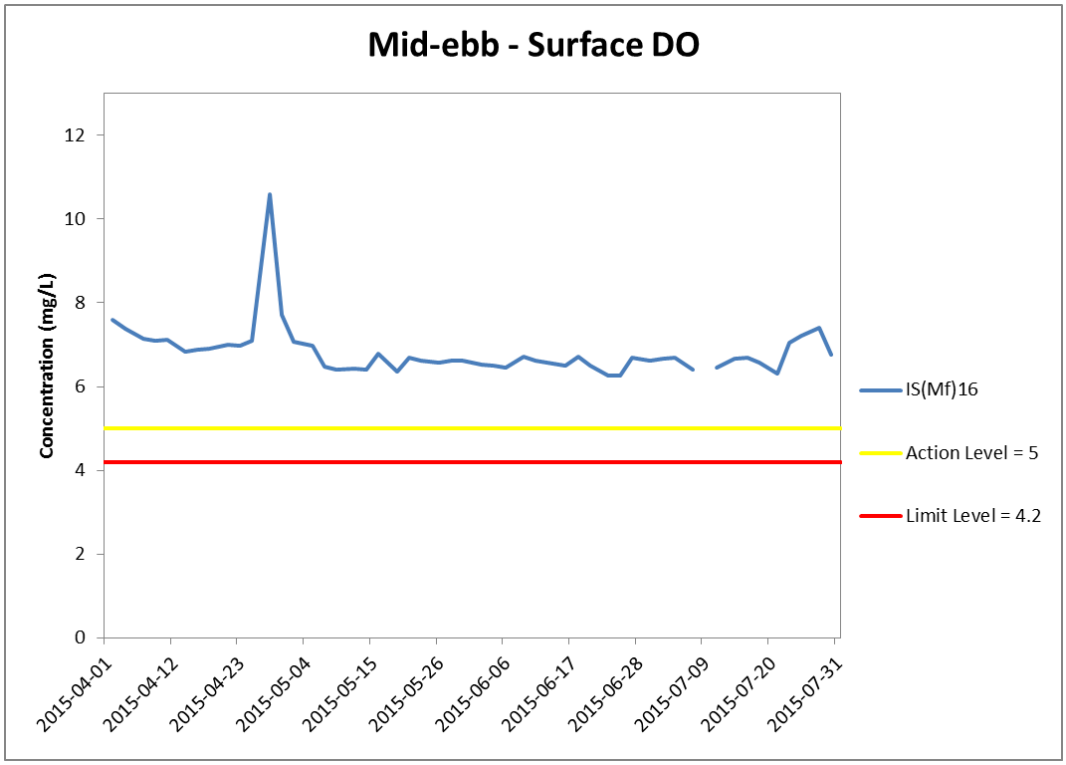


Figure J1 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters during mid-ebb tide between 1 April and 31 July 2015 at CS(Mf)3 and CS(Mf)5.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)

Environmental Resources Management

ERM



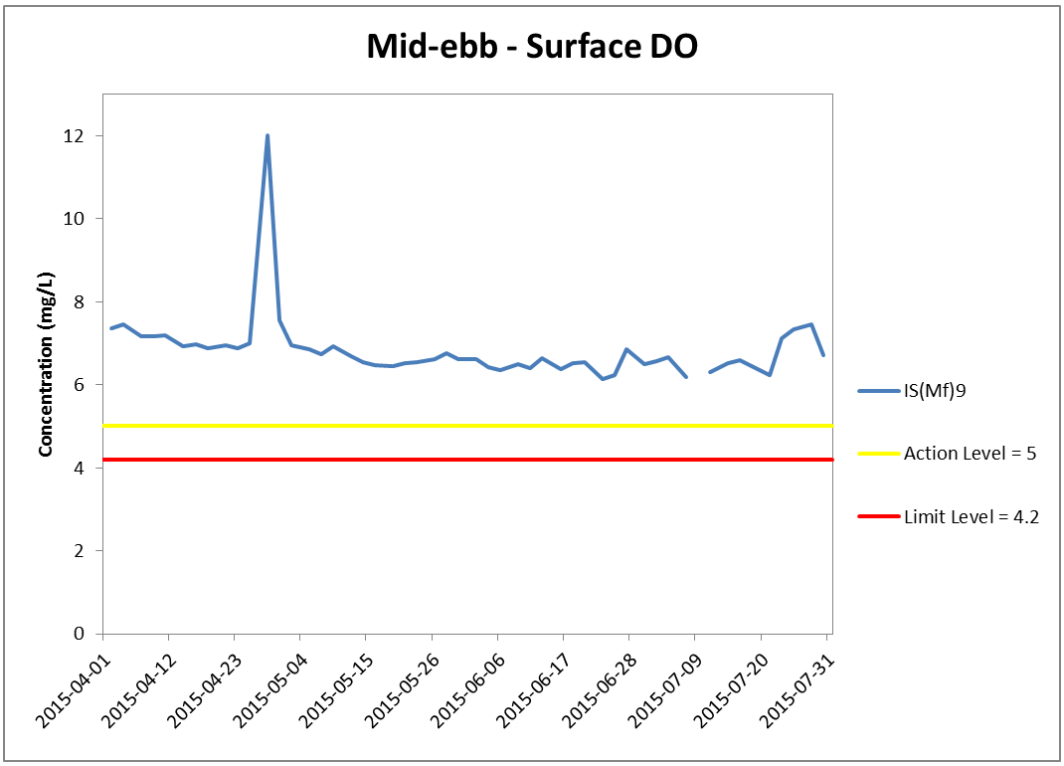
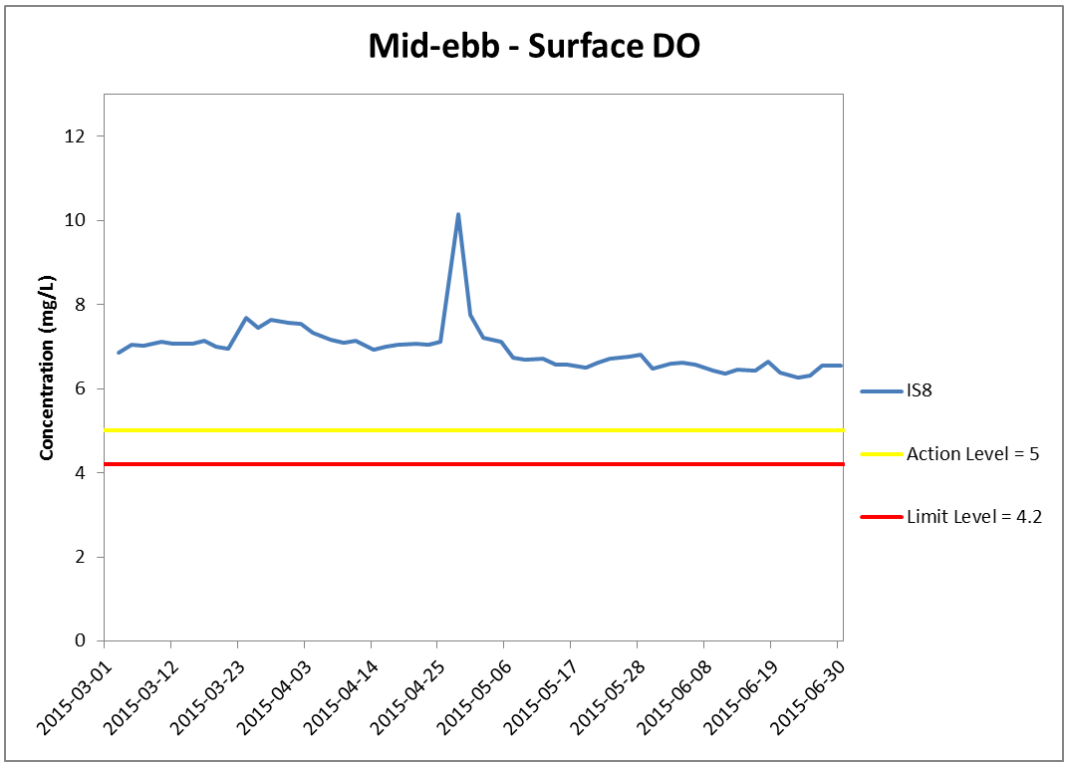


Figure J2 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters during mid-ebb tide between 1 April and 31 July 2015 at IS(Mf)16 and IS(Mf)9.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)

Environmental Resources Management

ERM



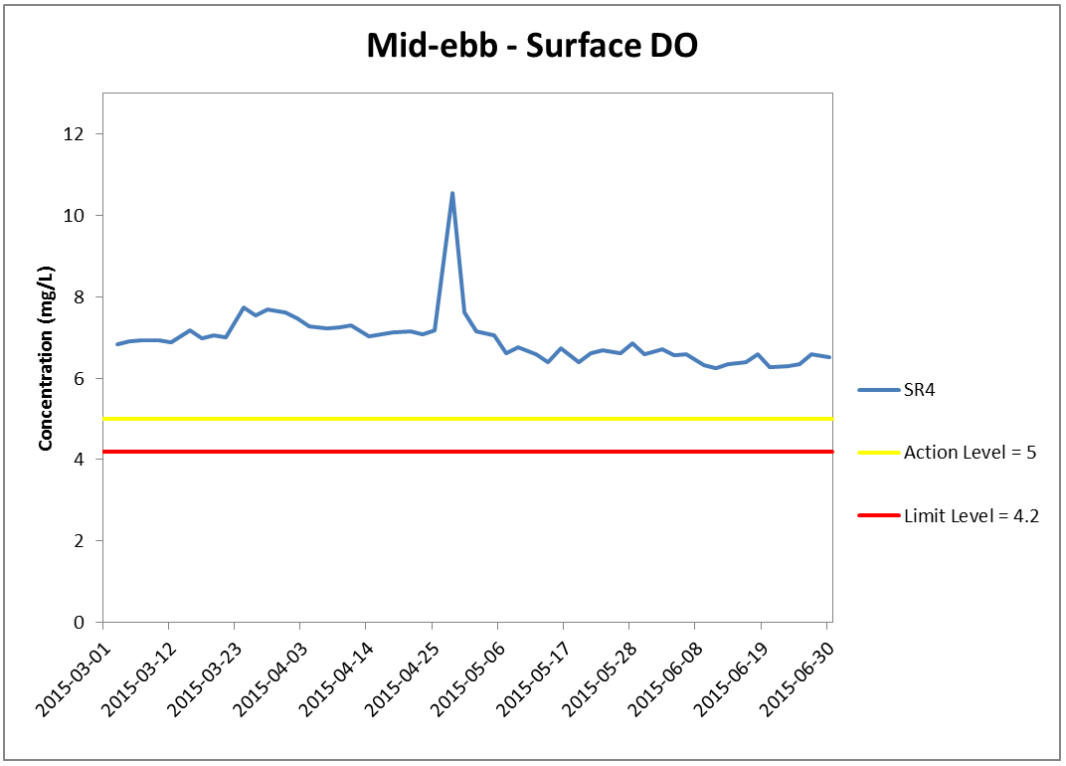


Figure J3 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters during mid-ebb tide between 1 April and 31 July 2015 at IS8 and SR4.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine

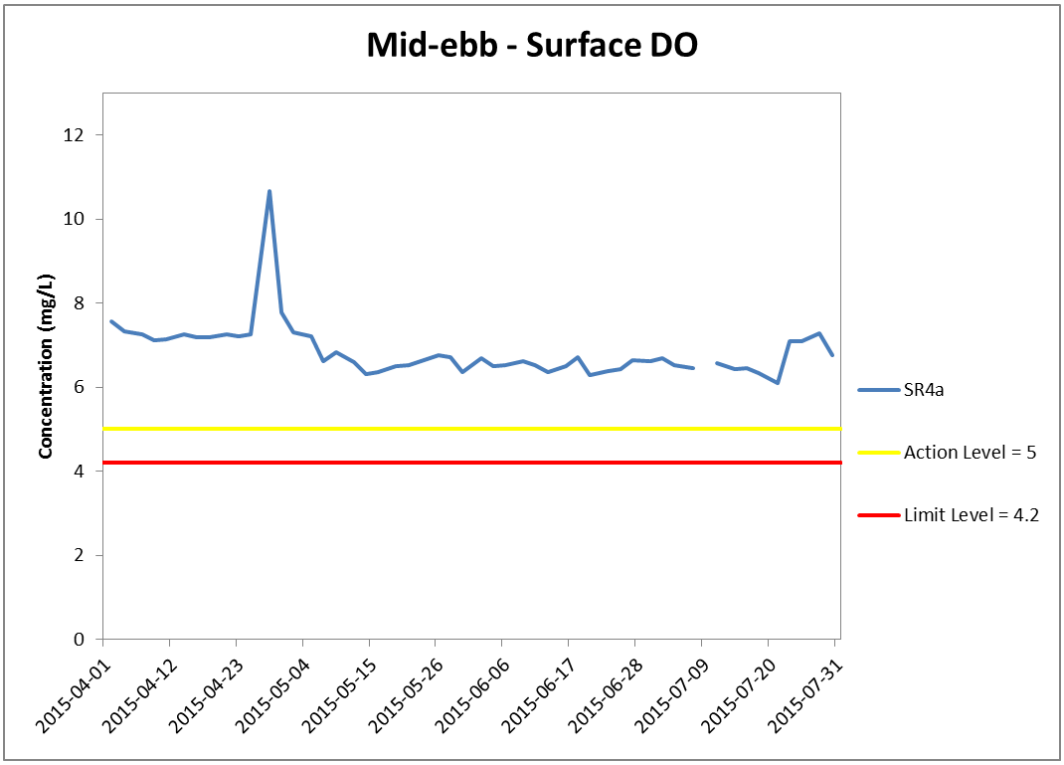
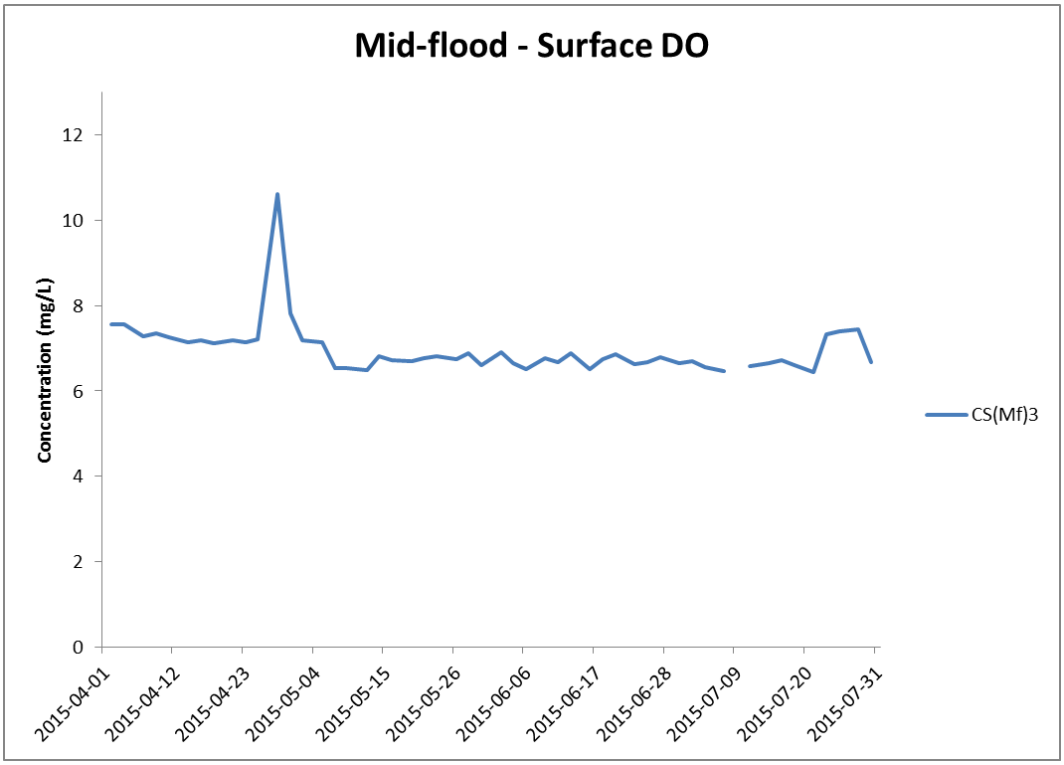


Figure J4 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters during mid-ebb tide between 1 April and 31 July 2015 at SR4a.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)

Environmental Resources Management

ERM



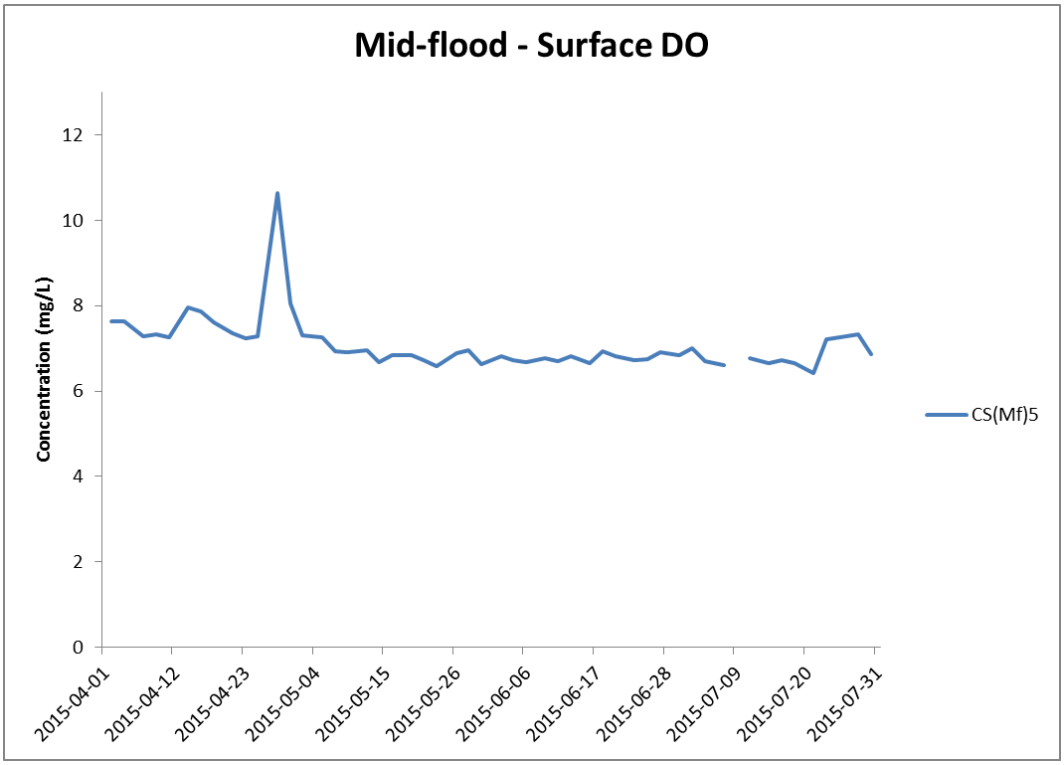
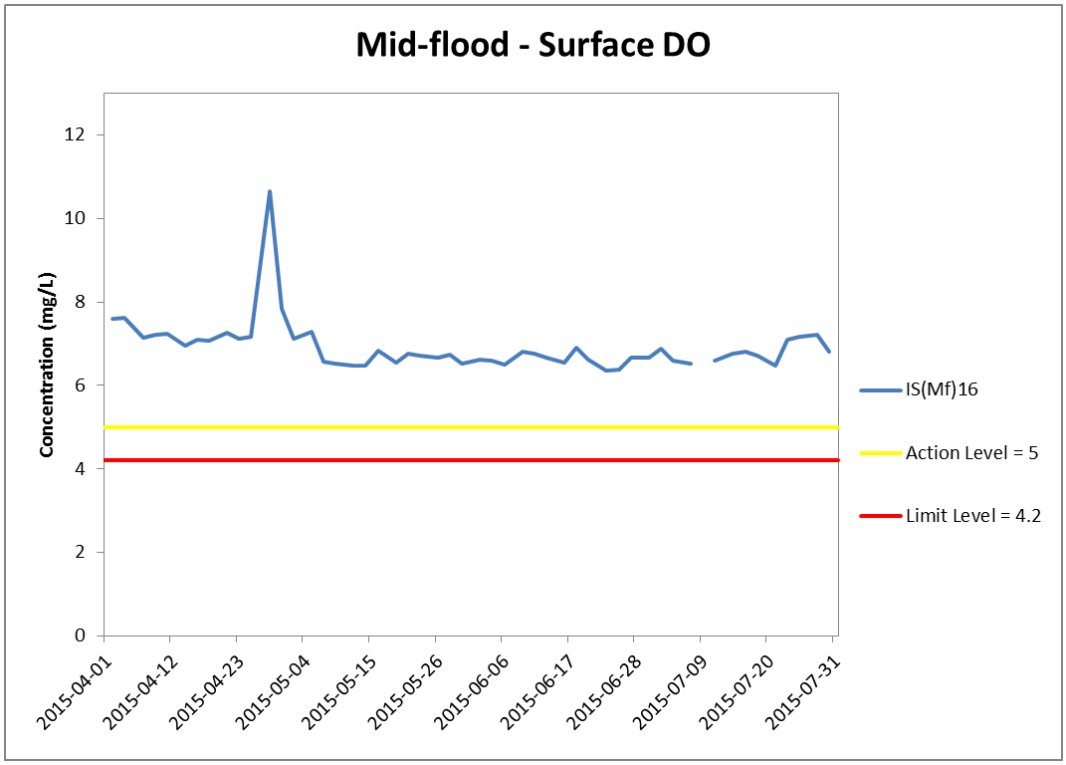


Figure J5 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters during mid-flood tide between 1 April and 31 July 2015 at CS(Mf)3 and CS(Mf)5.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)

Environmental Resources Management

ERM



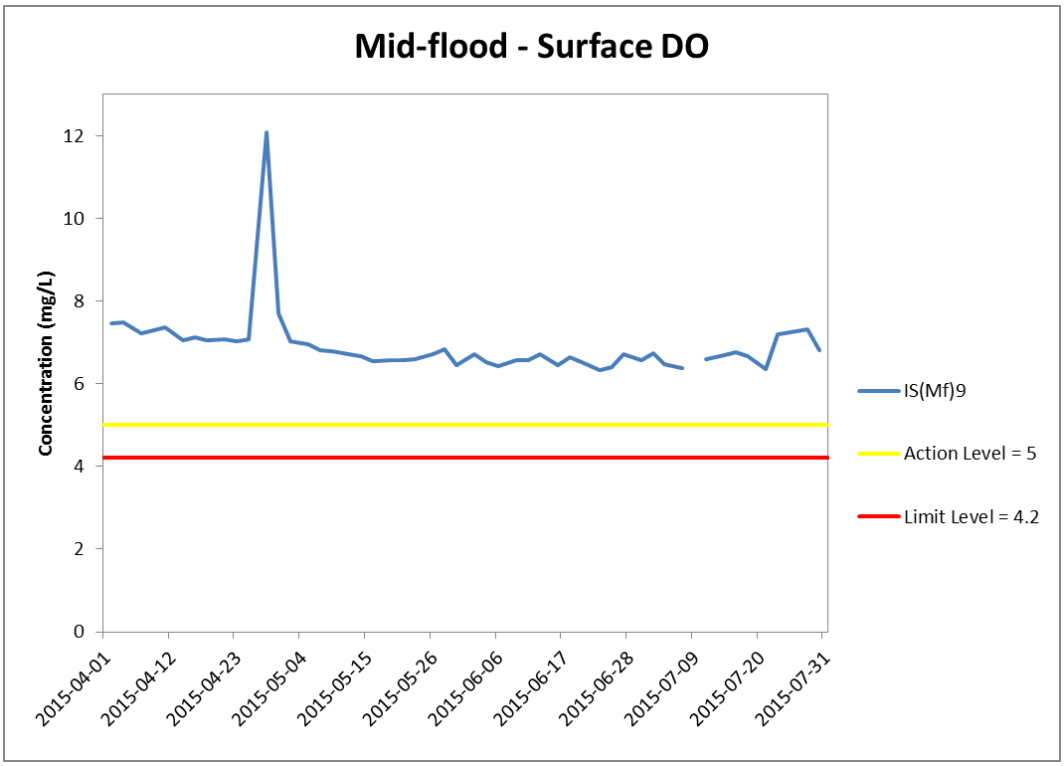
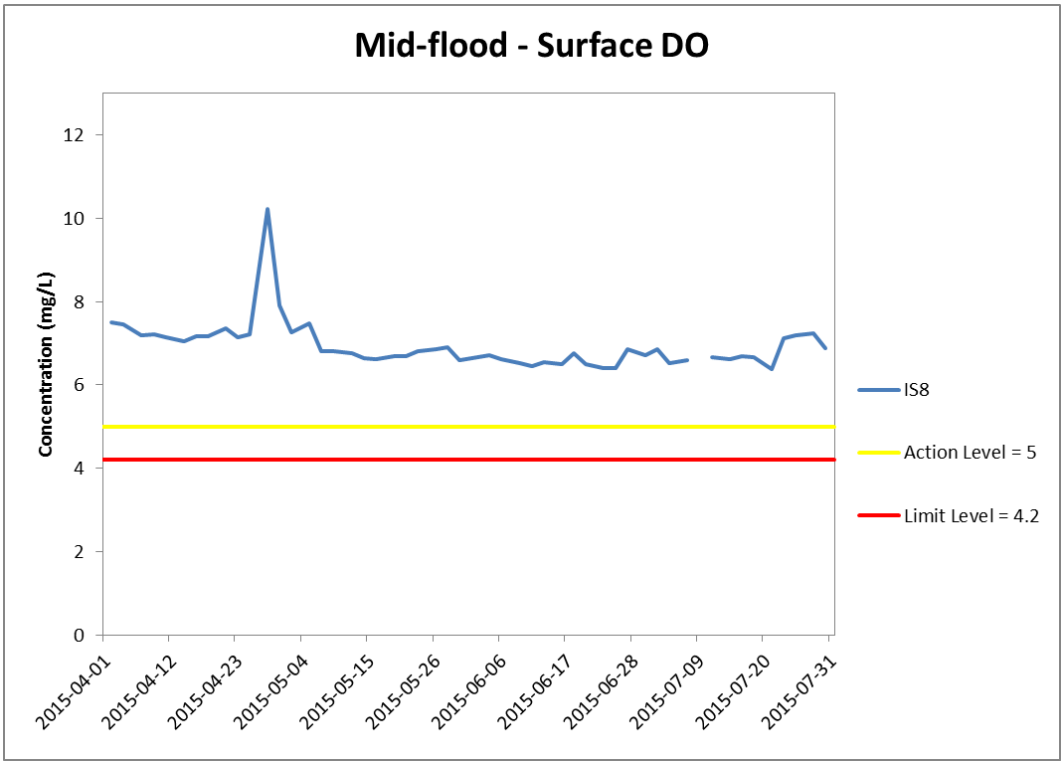


Figure J6 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters during mid-flood tide between 1 April and 31 July 2015 at IS(Mf)16 and IS(Mf)9.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)

Environmental Resources Management

ERM



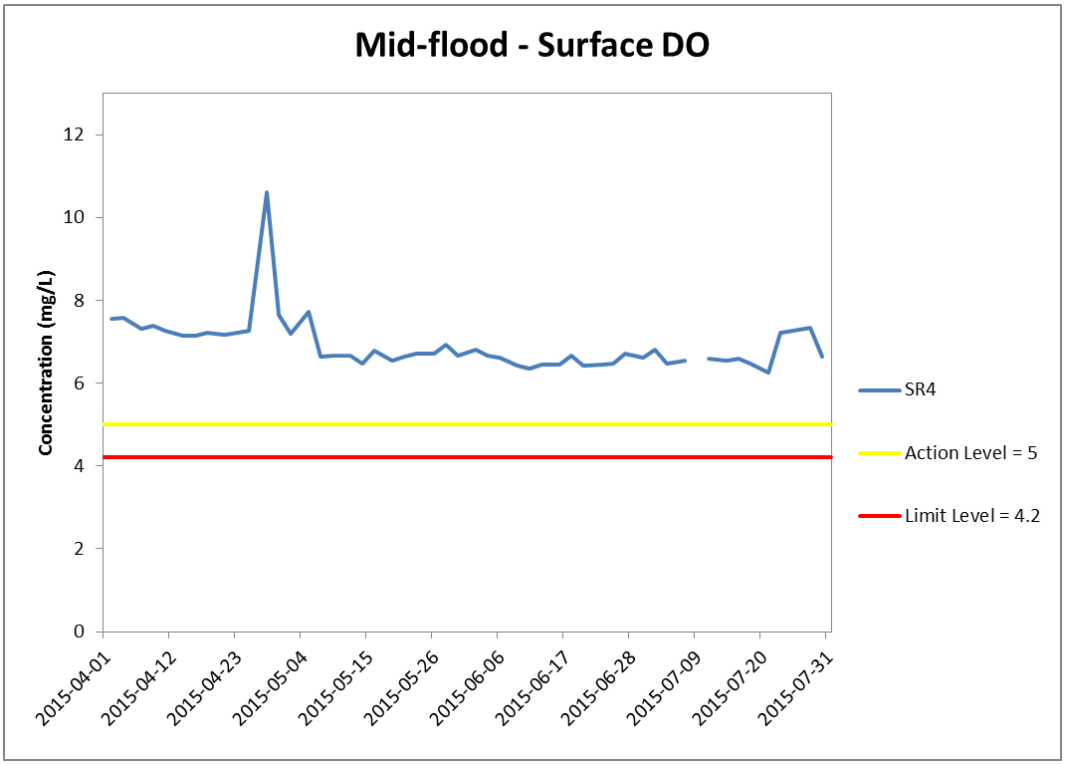


Figure J7 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters during mid-flood tide between 1 April and 31 July 2015 at IS8 and SR4.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)

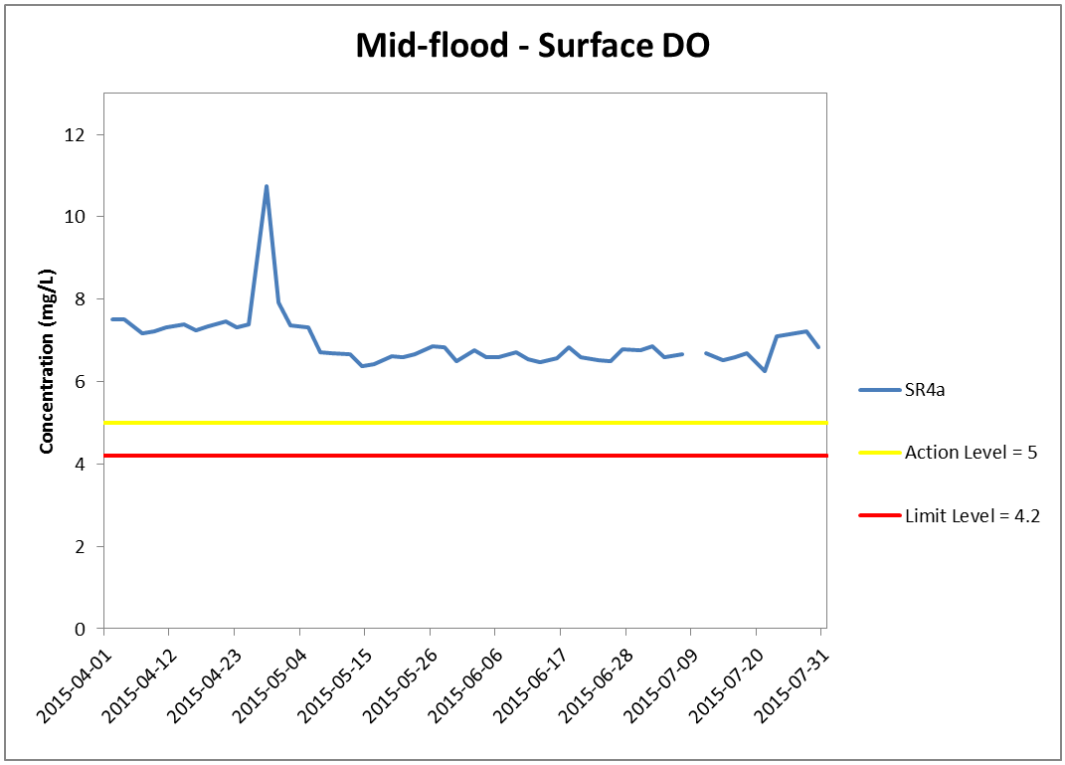
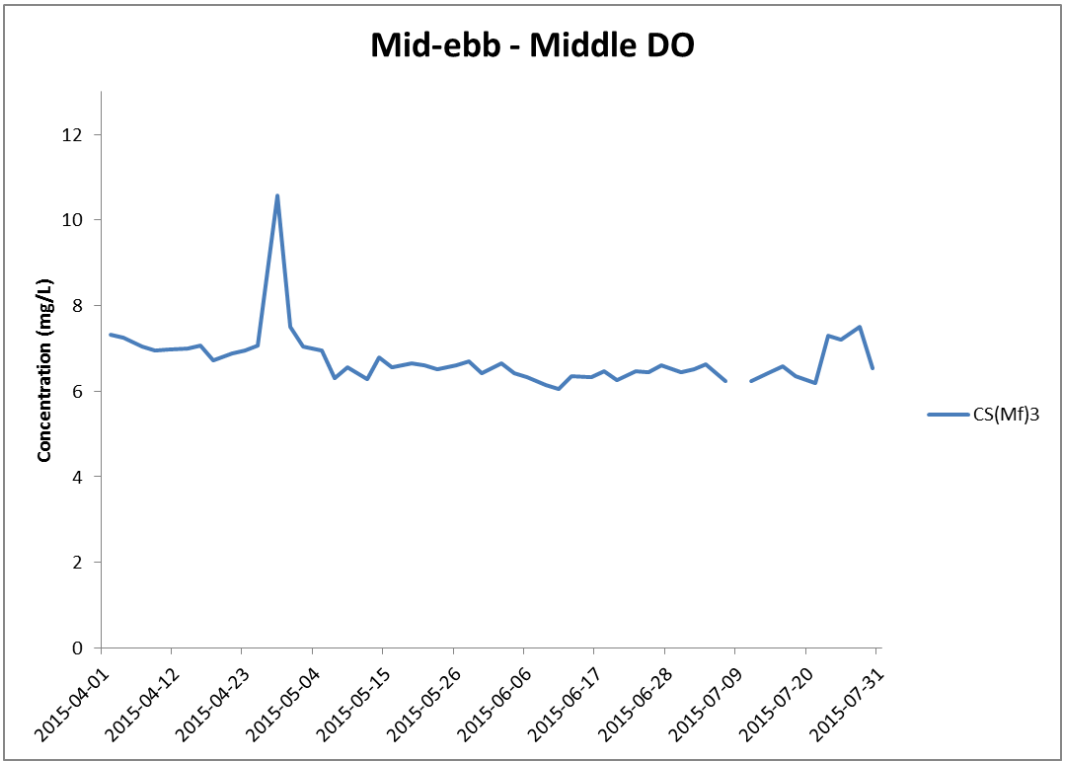


Figure J8 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters during mid-flood tide between 1 April and 31 July 2015 at SR4a.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period. Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)

Environmental Resources Management

ERM



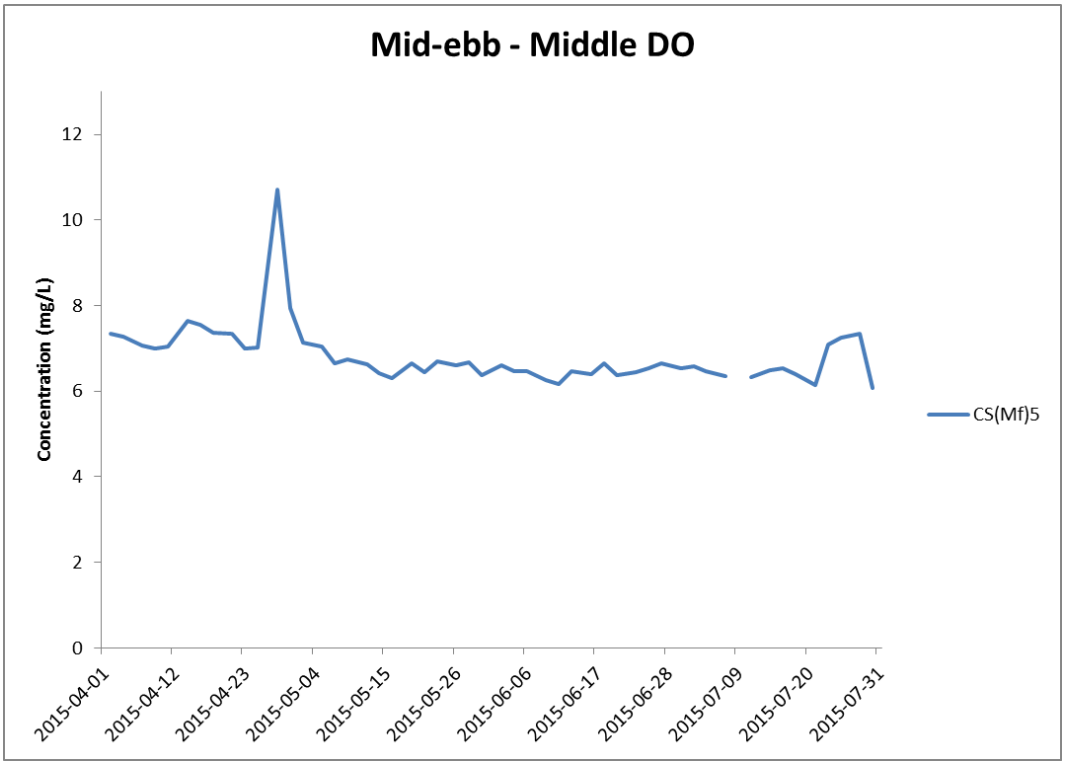


Figure J9 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in mid-depth waters during mid-ebb tide between 1 April and 31 July 2015 at CS(Mf)3 and CS(Mf)5.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period. Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)

Environmental Resources Management

ERM

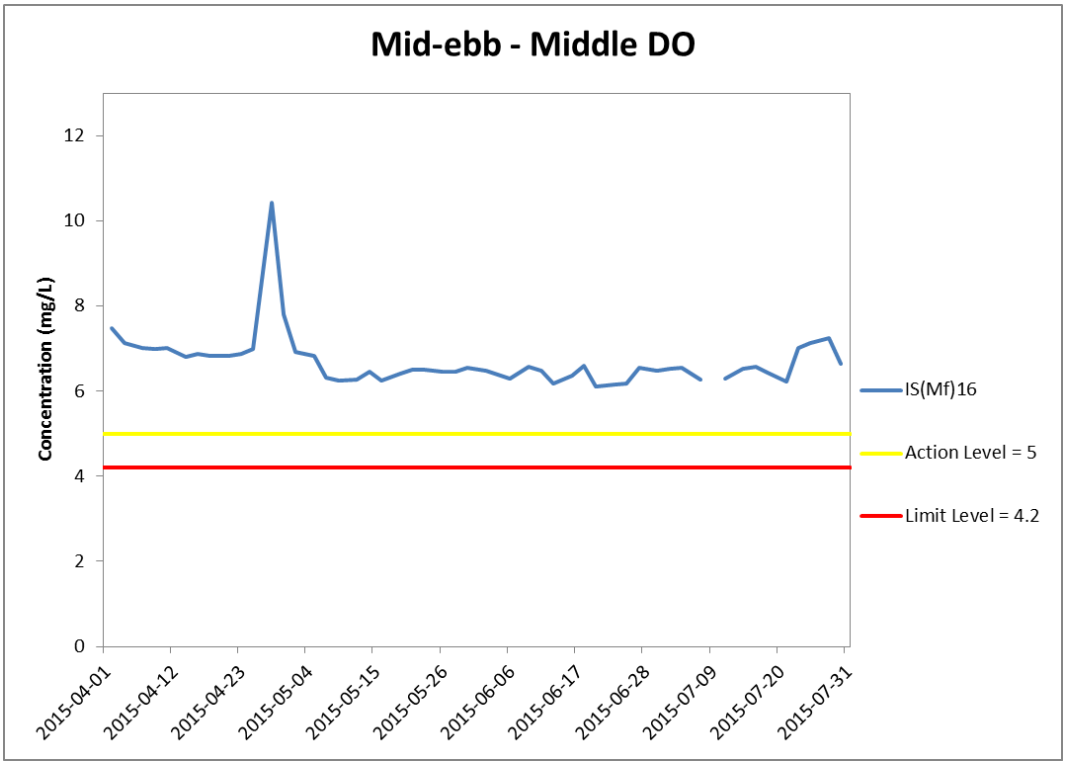
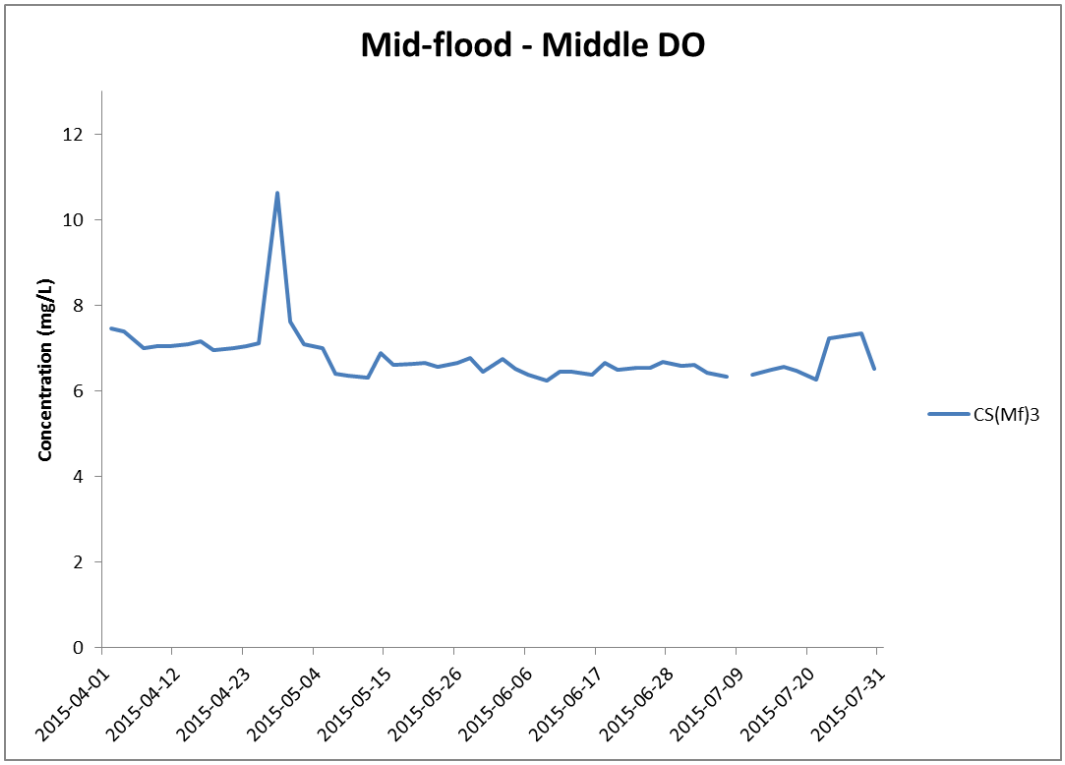


Figure J10 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in mid-depth waters during mid-ebb tide between 1 April and 31 July 2015 at IS(Mf)16.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)

Environmental Resources Management

ERM



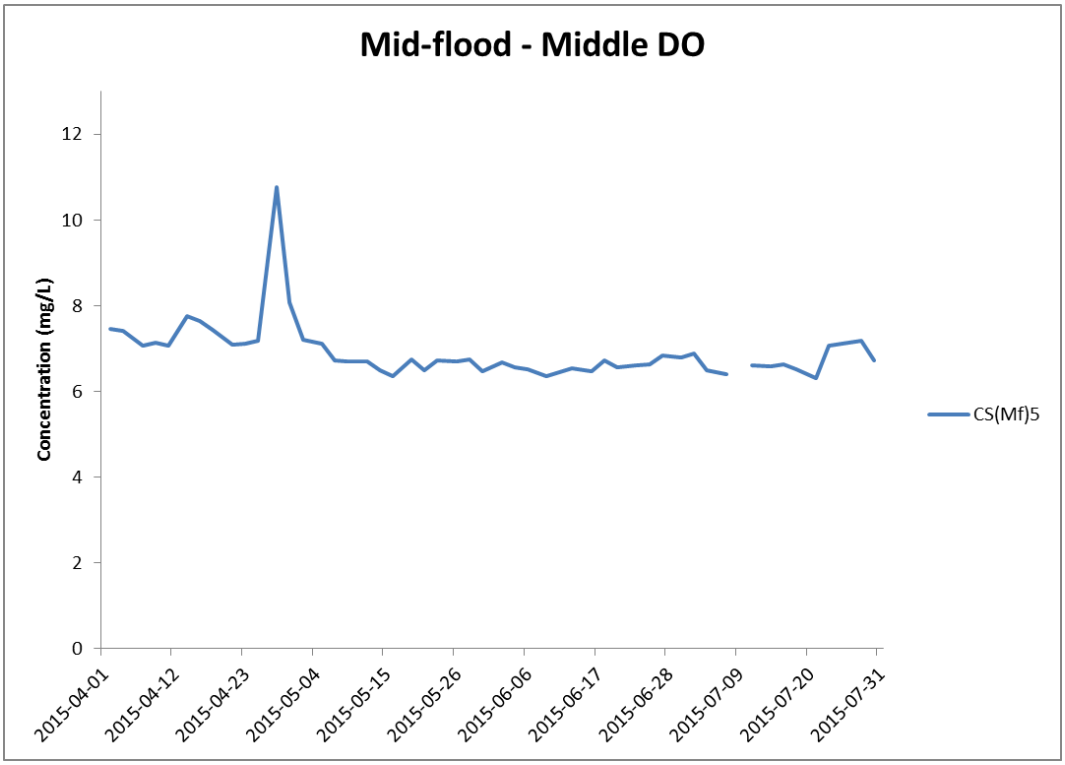


Figure J11 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in mid-depth waters during mid-flood tide between 1 April and 31 July 2015 at CS(Mf)3 and CS(Mf)5.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)

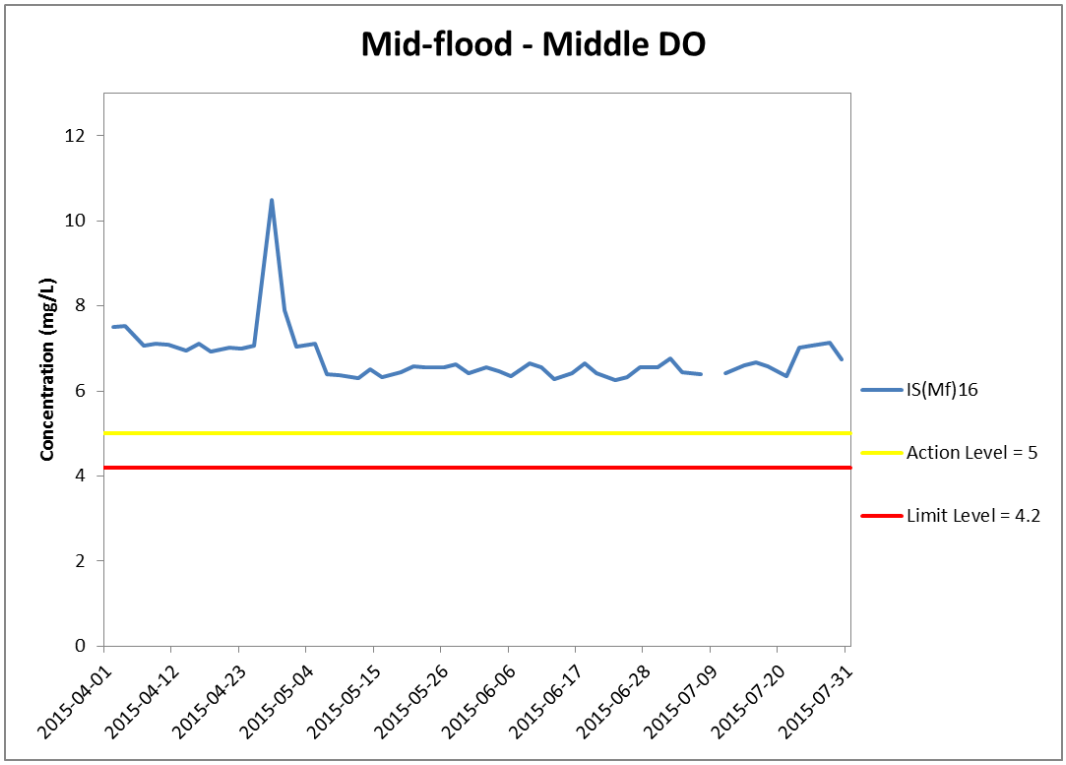
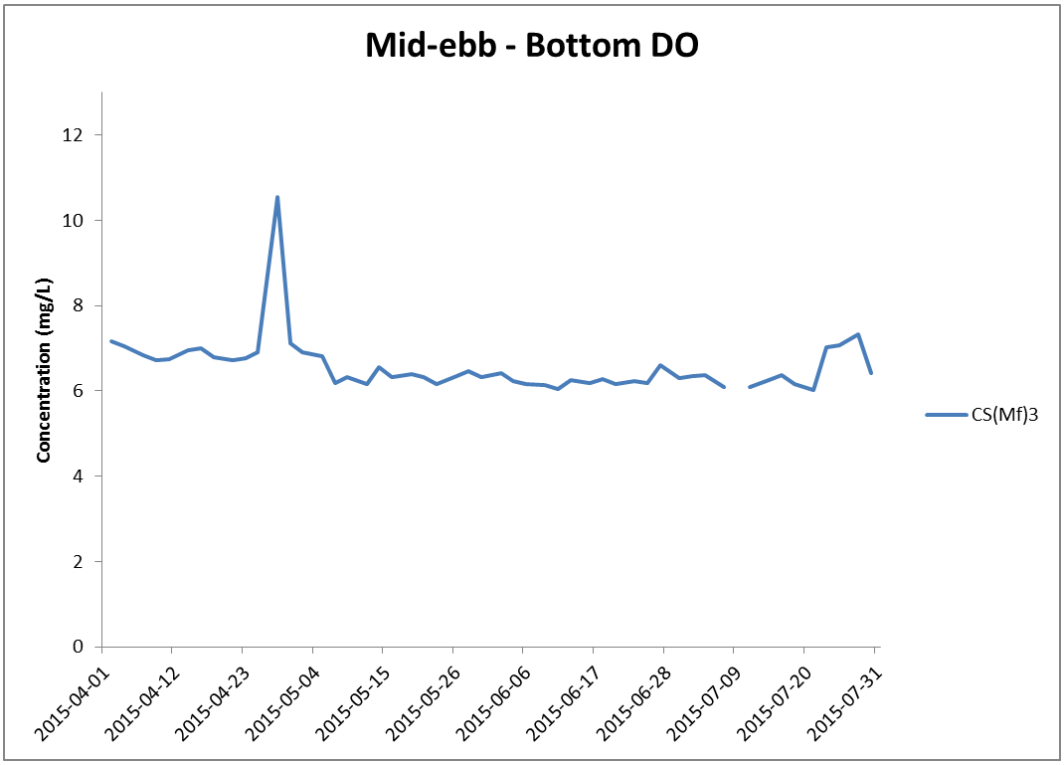


Figure J12 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in mid-depth waters during mid-flood tide between 1 April and 31 July 2015 at IS(Mf)16.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)

Environmental Resources Management

ERM



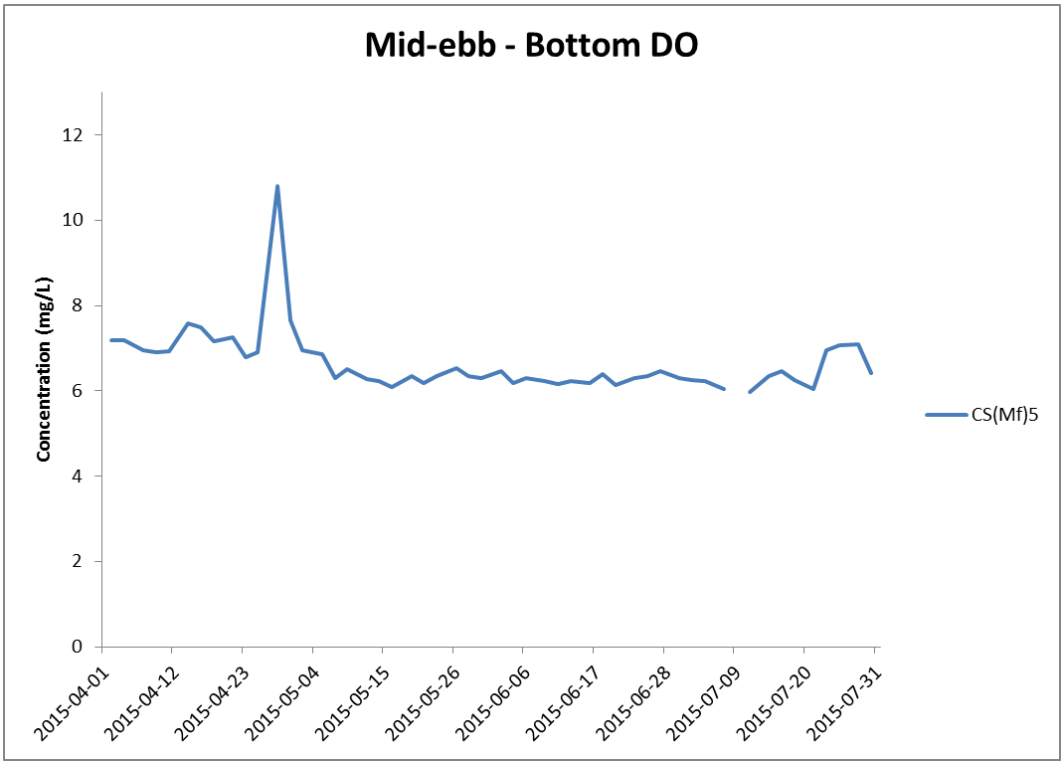
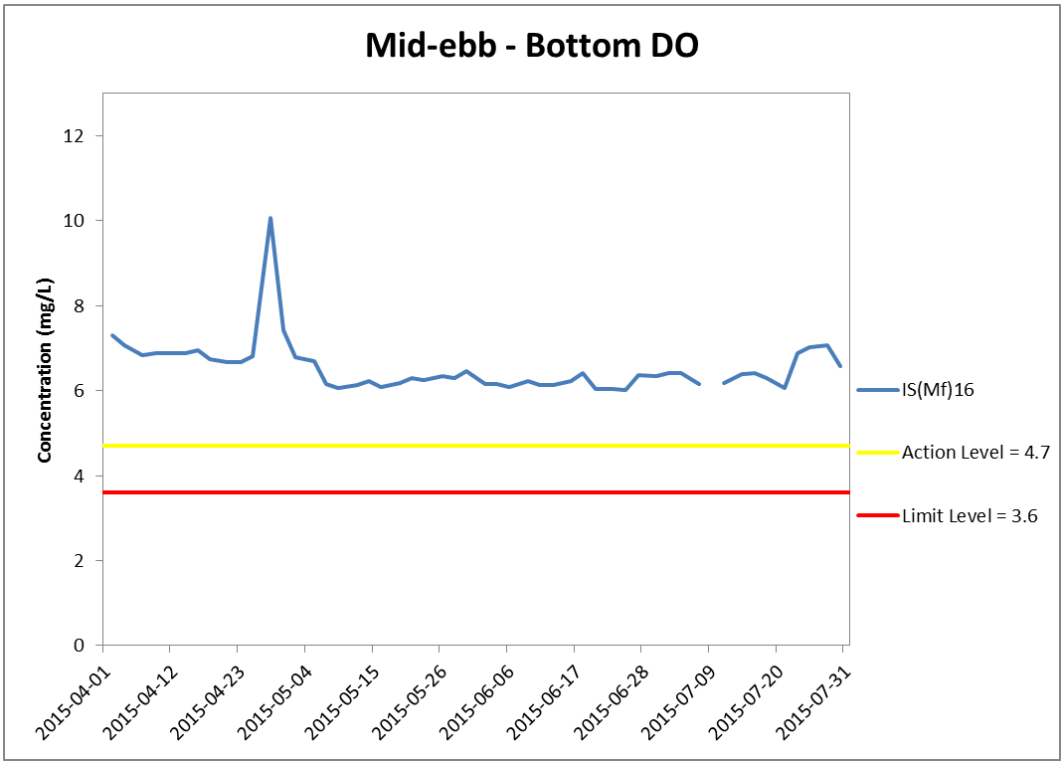


Figure J13 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom waters during mid-ebb tide between 1 April and 31 July 2015 at CS(Mf)3 and CS(Mf)5.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)

Environmental Resources Management

ERM



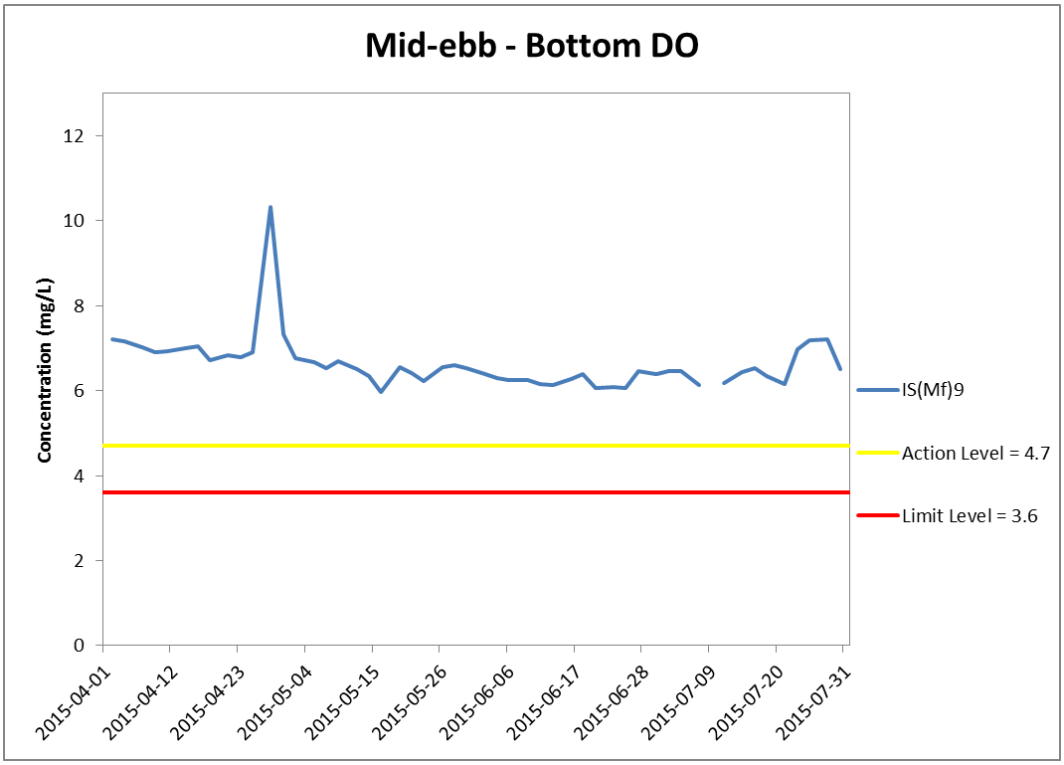
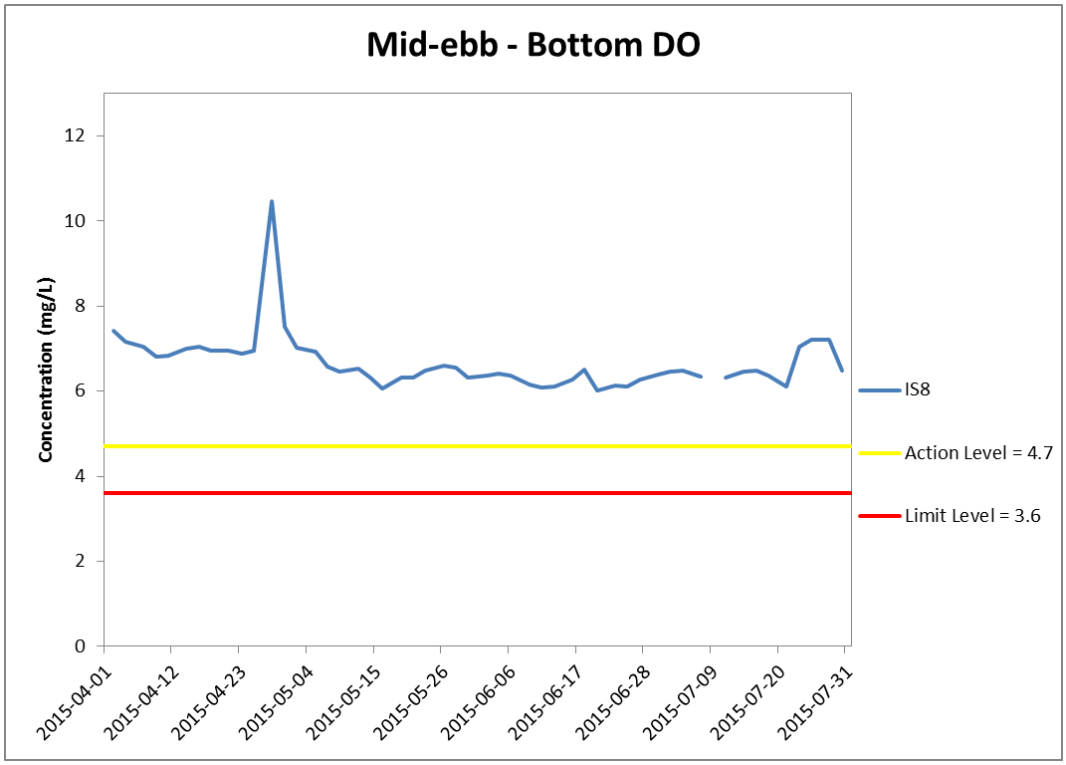


Figure J14 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom waters during mid-ebb tide between 1 April and 31 July 2015 at IS(Mf)16 and IS(Mf)9.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)

Environmental Resources Management

ERM



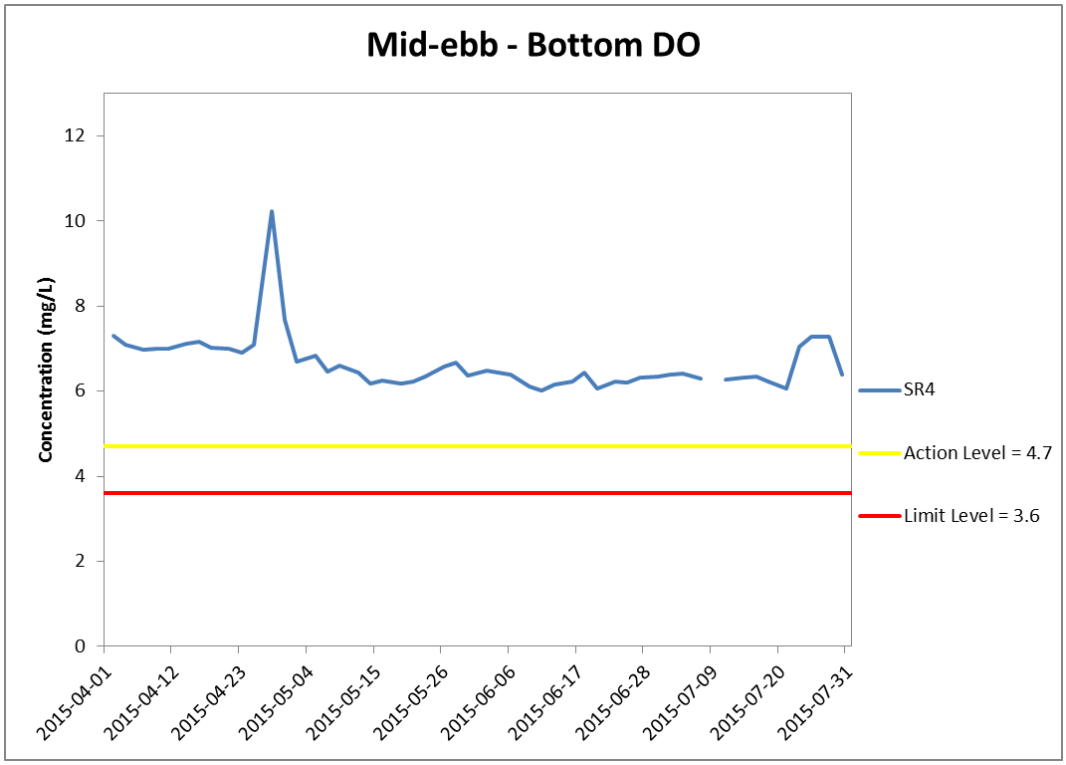


Figure J15 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom waters during mid-ebb tide between 1 April and 31 July 2015 at IS8 and SR4.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)

Environmental Resources Management

ERM

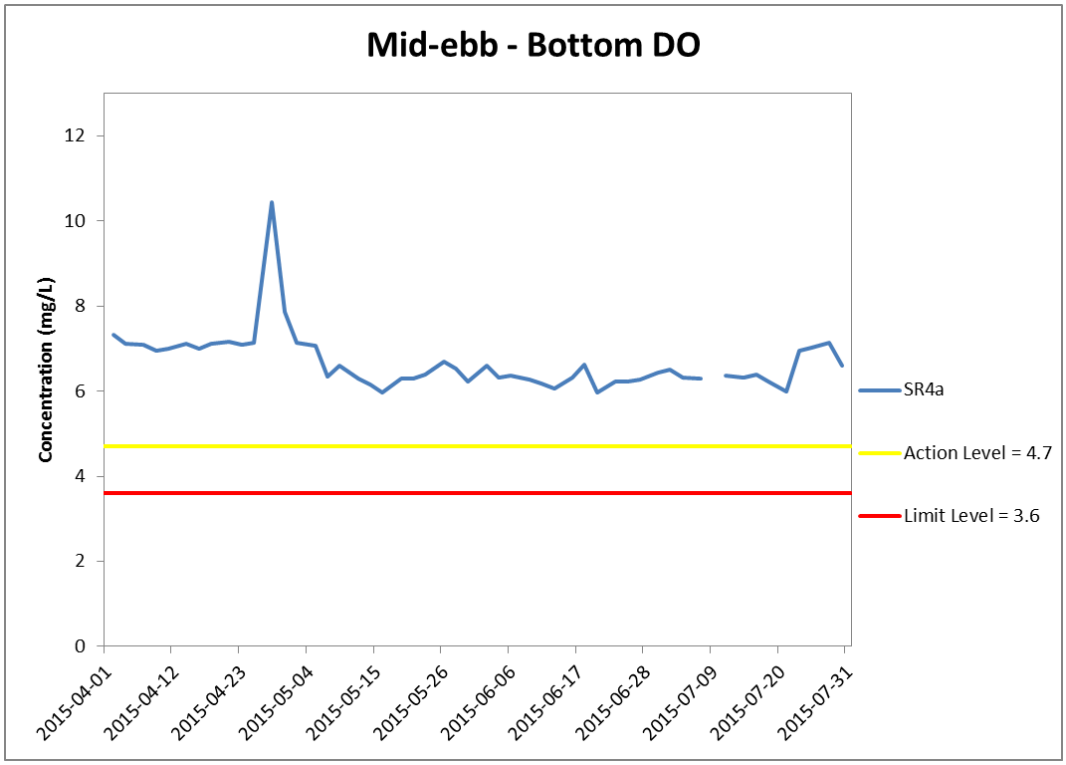
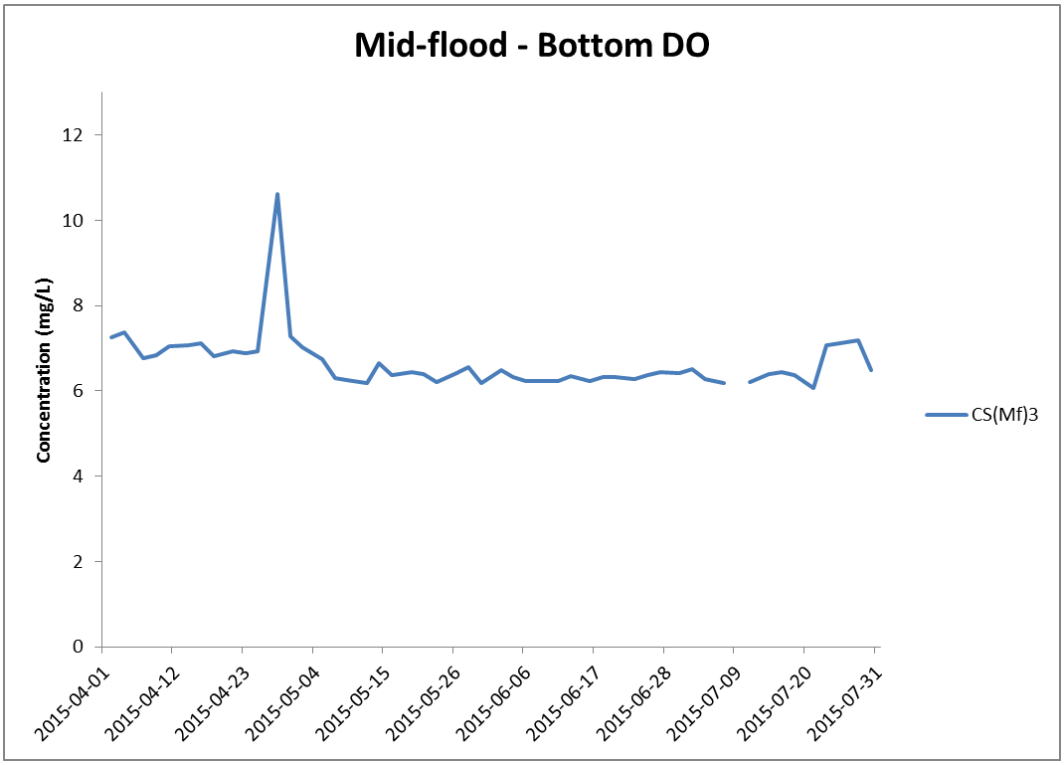


Figure J16 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom waters during mid-ebb tide between 1 April and 31 July 2015 at SR4a.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)

Environmental Resources Management

ERM



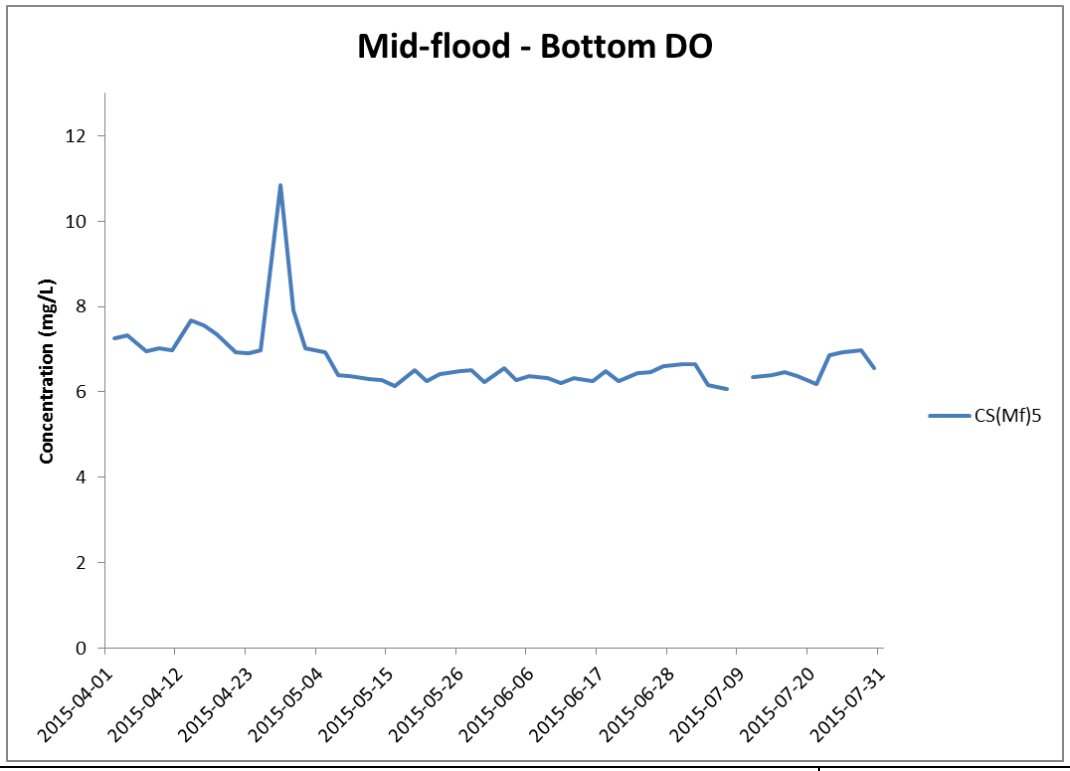
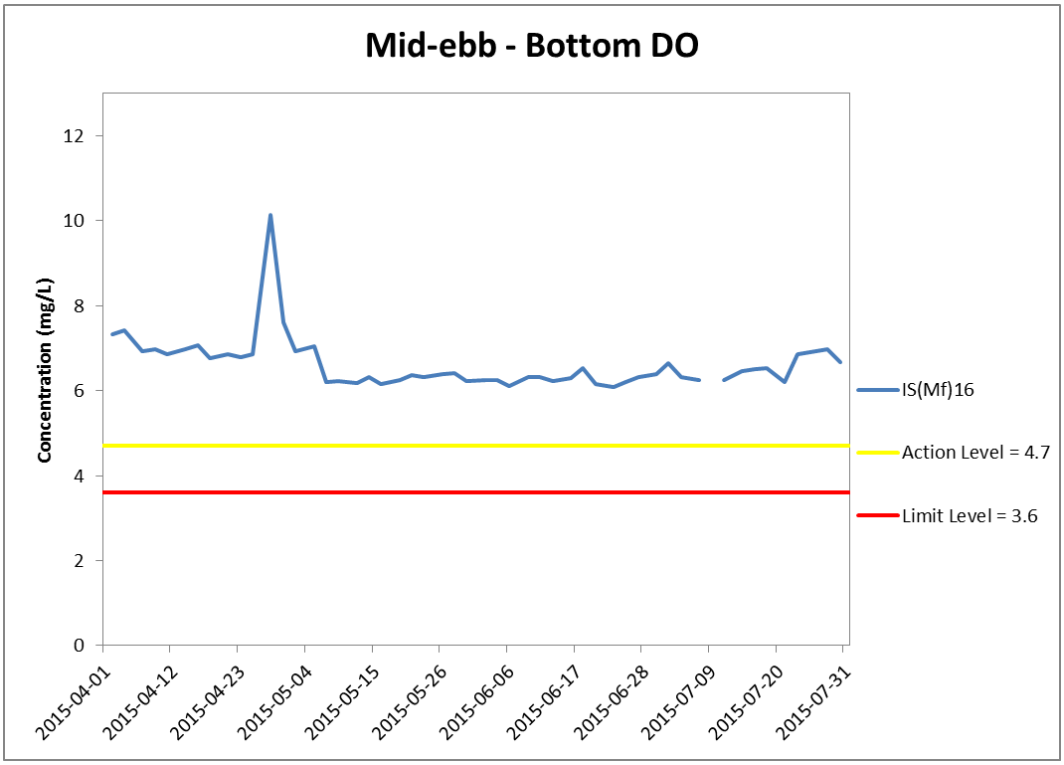


Figure J17 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom waters during mid-flood tide between 1 April and 31 July 2015 at CS(Mf)3 and CS(Mf)5.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)

Environmental Resources Management

ERM



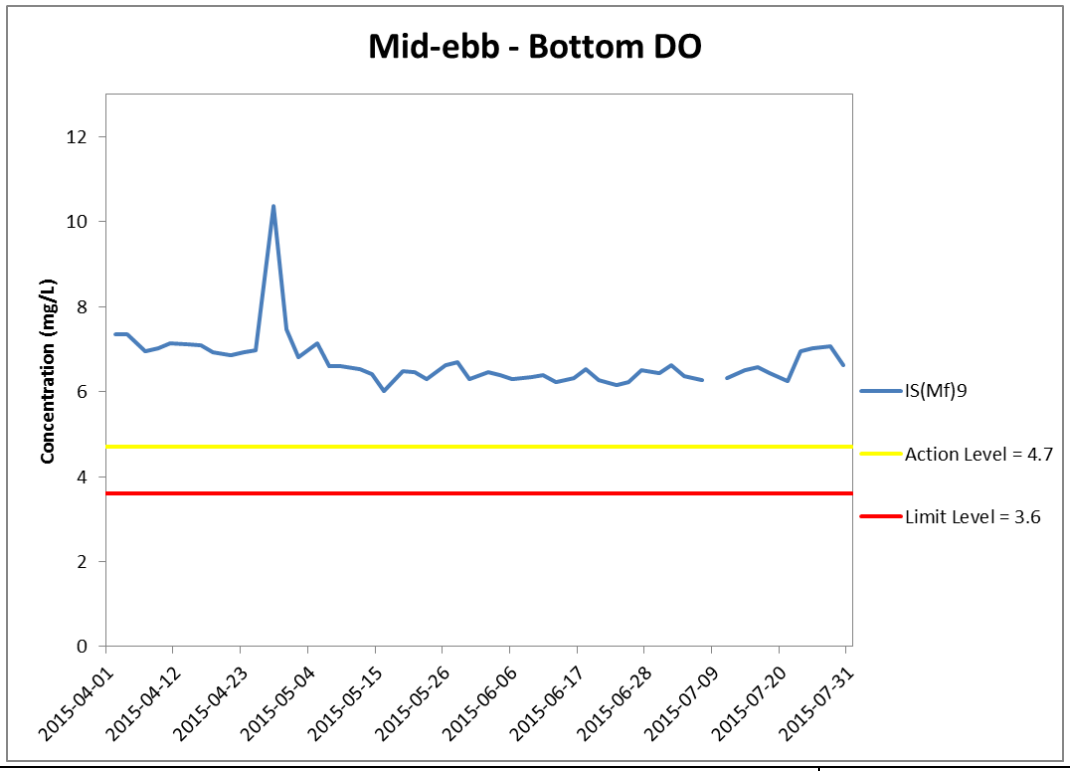
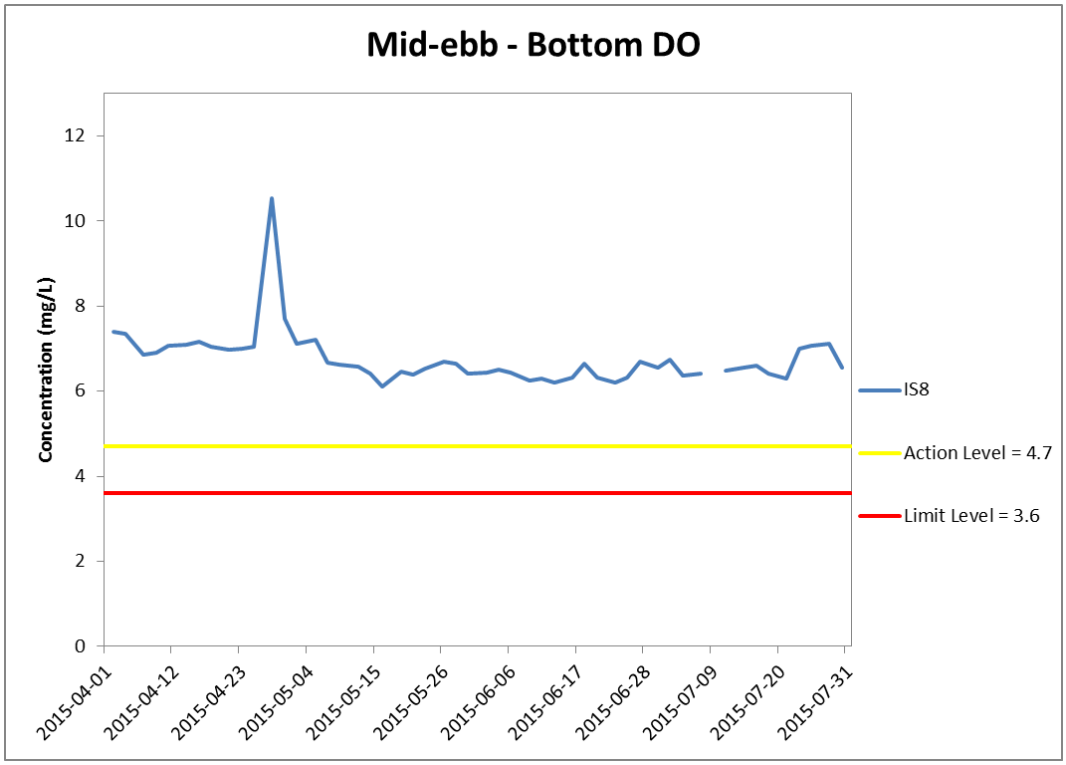


Figure J18 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom waters during mid-flood tide between 1 April and 31 July 2015 at IS(Mf)16 and IS(Mf)9.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)

Environmental Resources Management

ERM



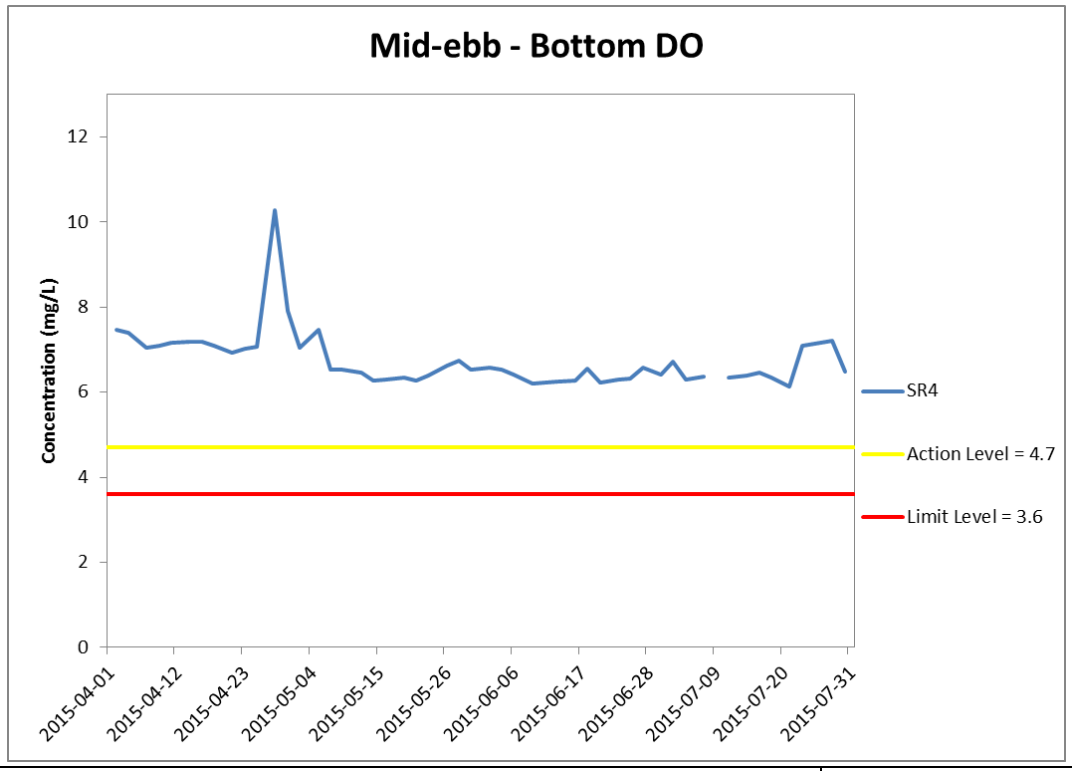


Figure J19 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom waters during mid-flood tide between 1 April and 31 July 2015 at IS8 and SR4.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)

Environmental Resources Management

ERM

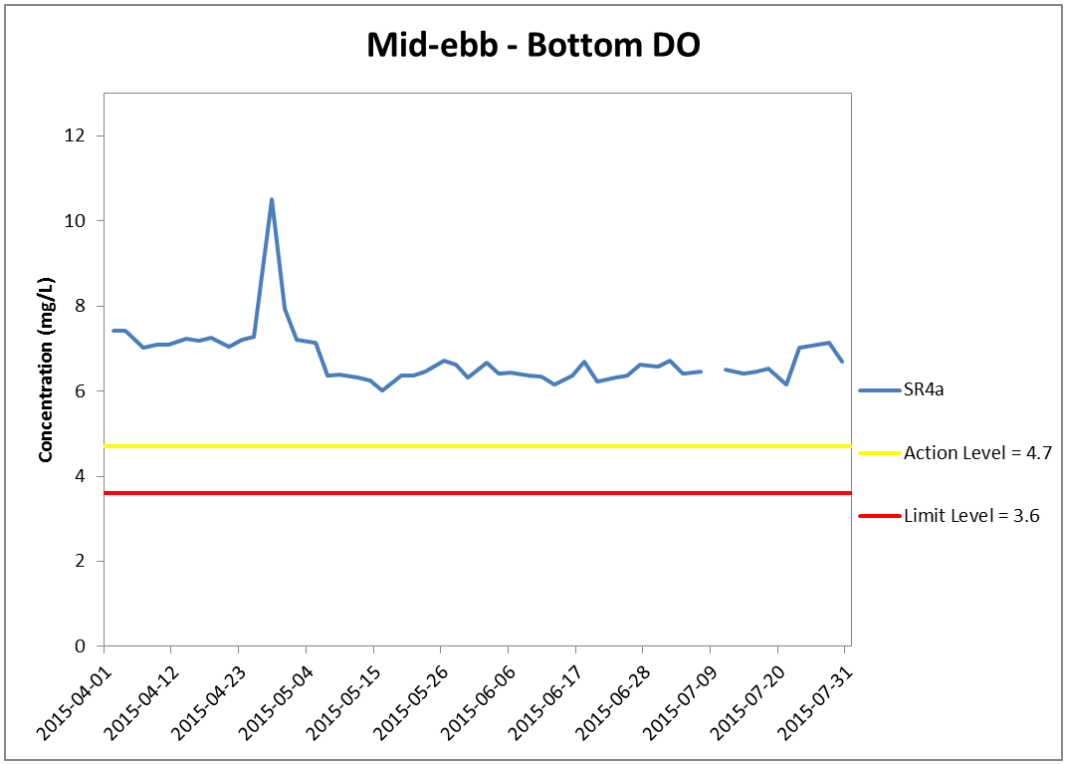
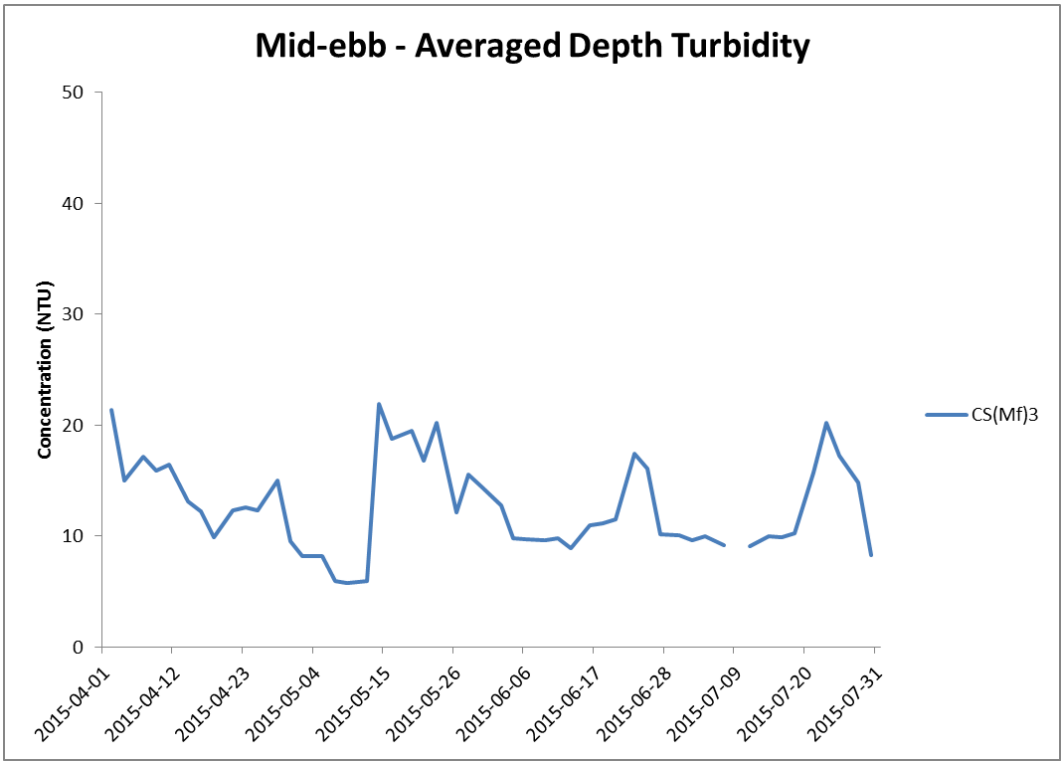


Figure J20 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom waters during mid-flood tide between 1 April and 31 July 2015 at SR4a.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)

Environmental Resources Management

ERM



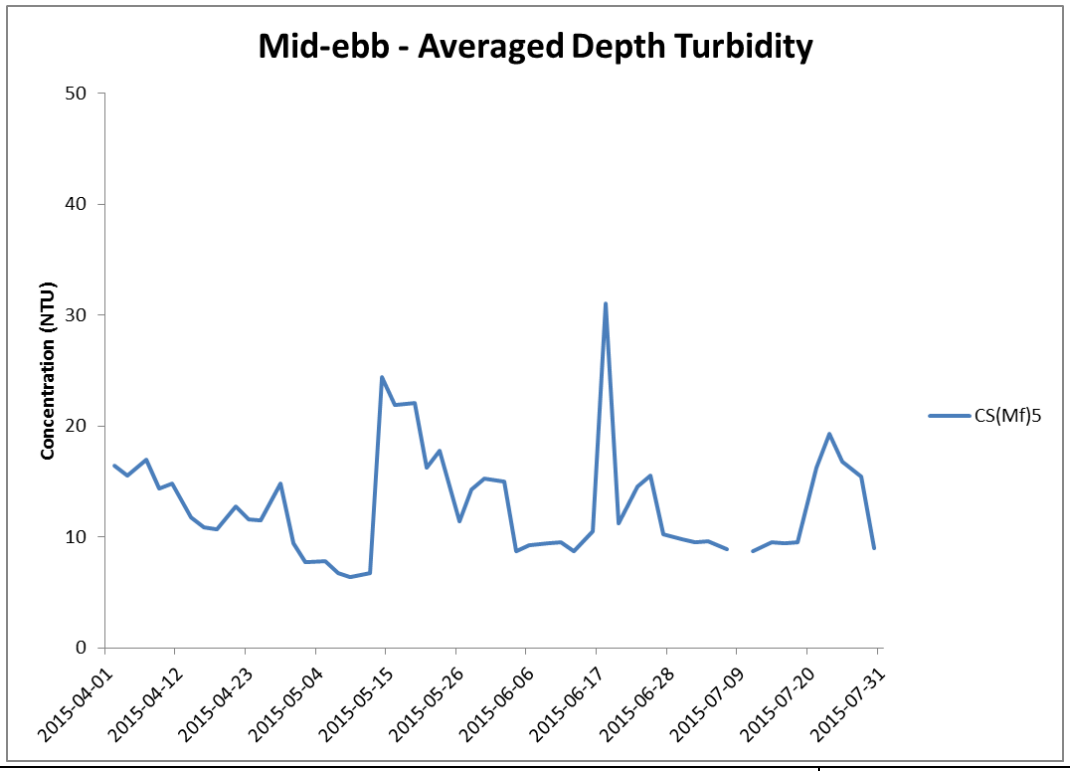
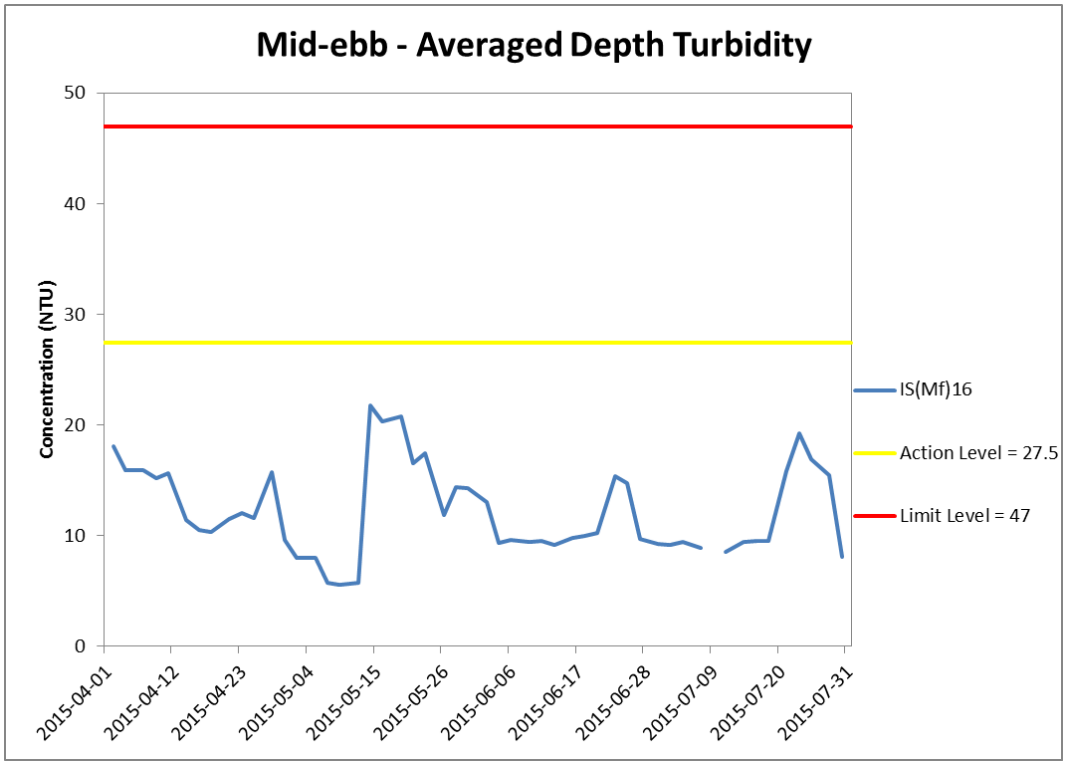


Figure J21 Impact Monitoring – Mean Level of depth-averaged Turbidity (NTU) during mid-ebb tide between 1 April and 31 July 2015 at CS(Mf)3 and CS(Mf)5.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)

Environmental Resources Management

ERM



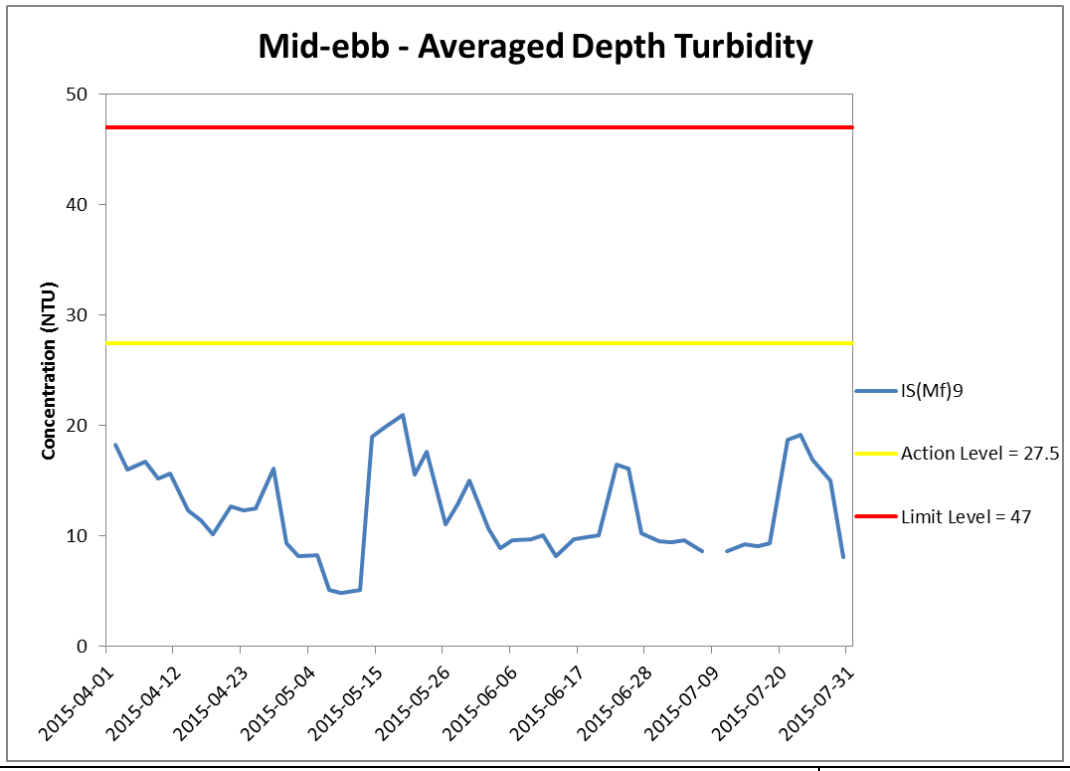
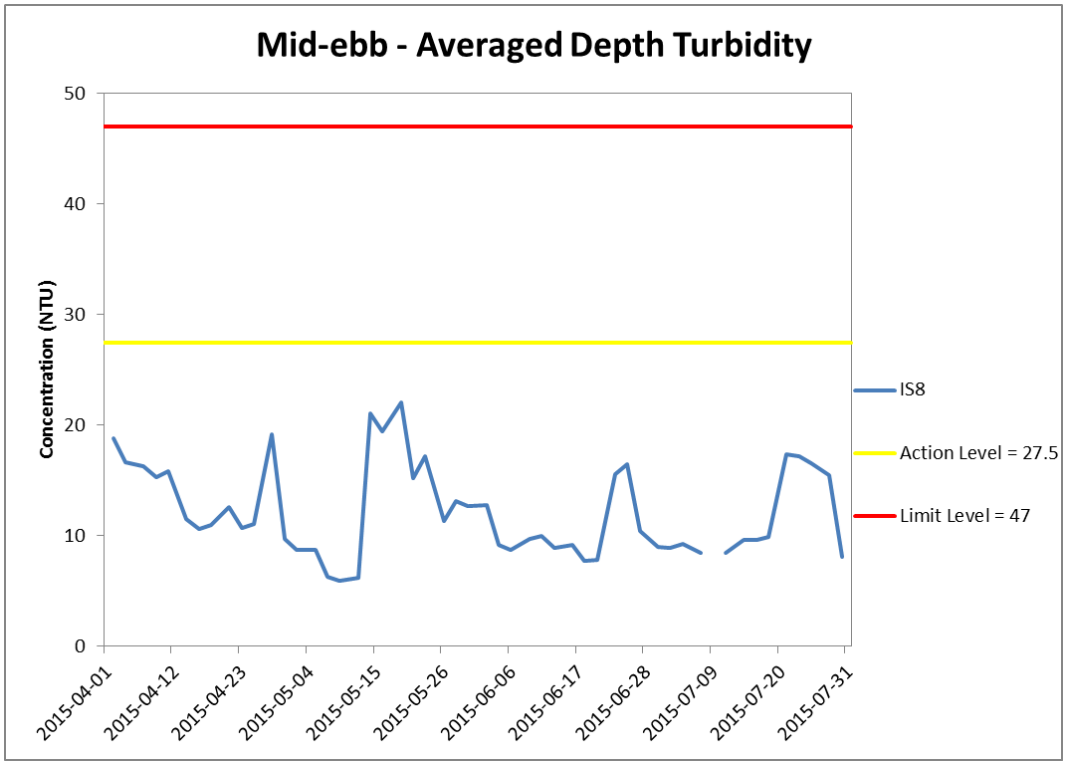


Figure J22 Impact Monitoring – Mean Level of depth-averaged Turbidity (NTU) during mid-ebb tide between 1 April and 31 July 2015 at IS(Mf)16 and IS(Mf)9.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)



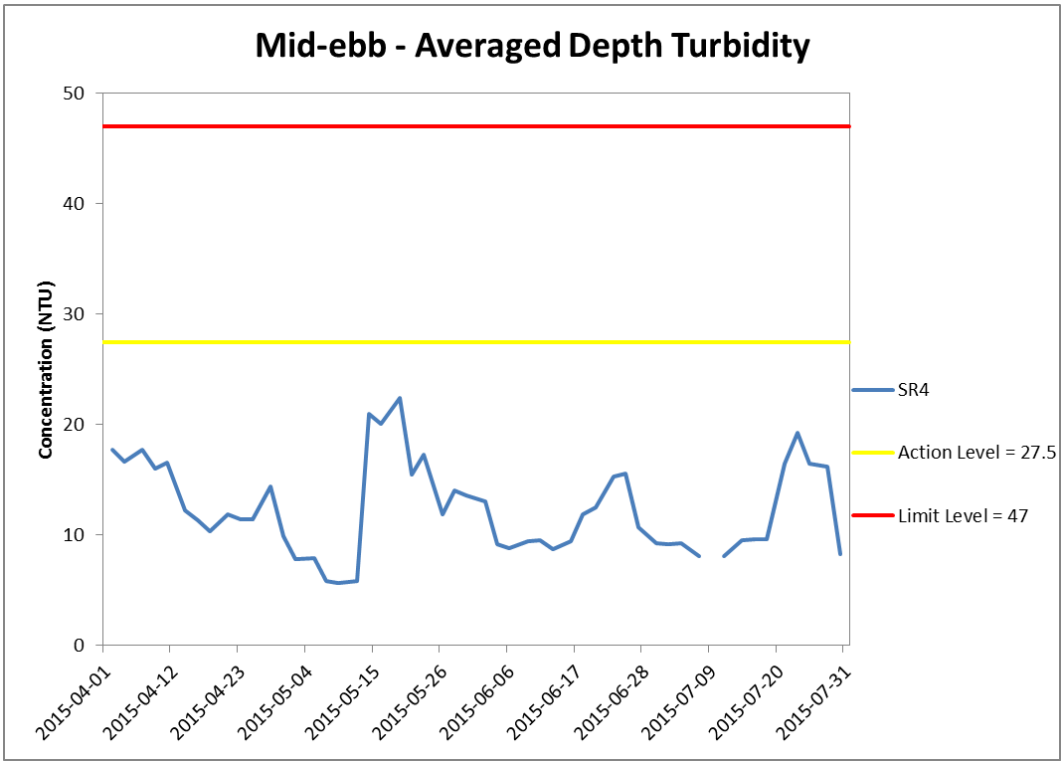


Figure J23 Impact Monitoring – Mean Level of depth-averaged Turbidity (NTU) during mid-ebb tide between 1 April and 31 July 2015 at IS8 and SR4.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)

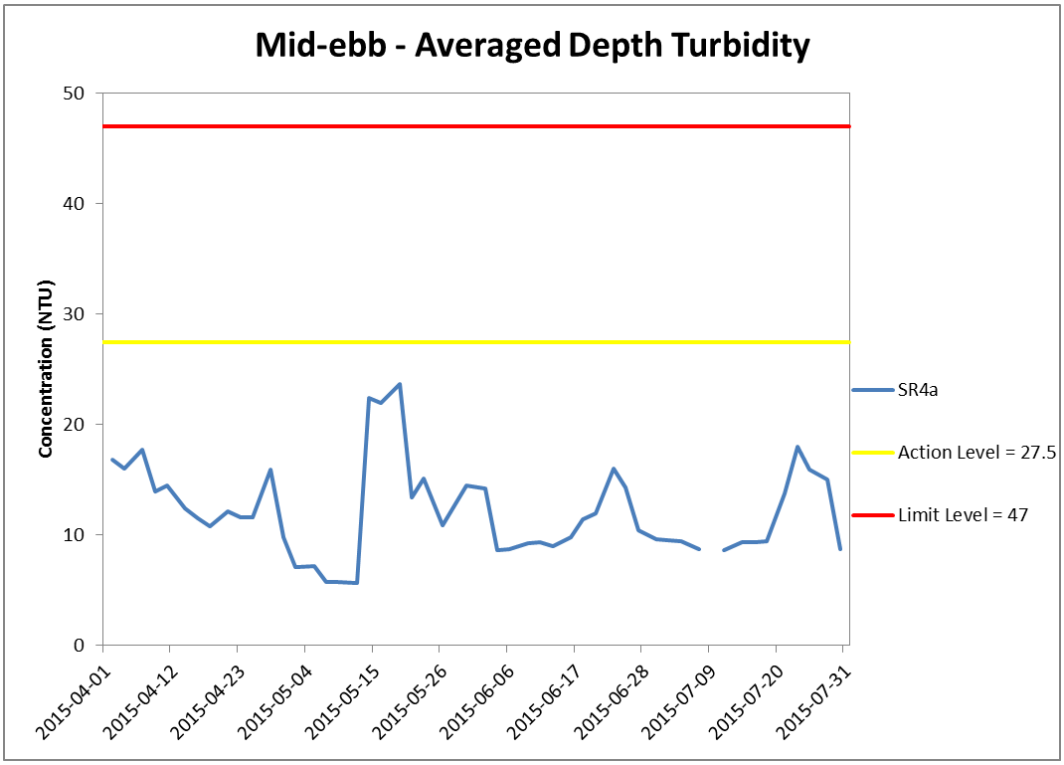
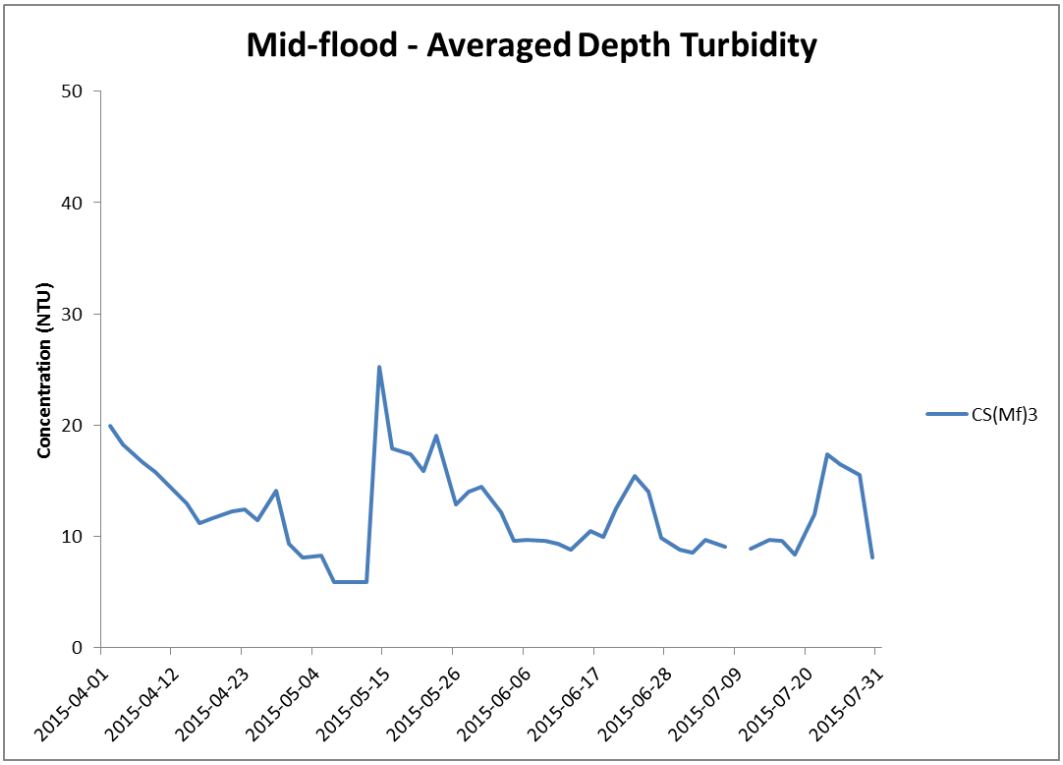


Figure J24 Impact Monitoring – Mean Level of depth-averaged Turbidity (NTU) during mid-ebb tide between 1 April and 31 July 2015 at SR4a.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)



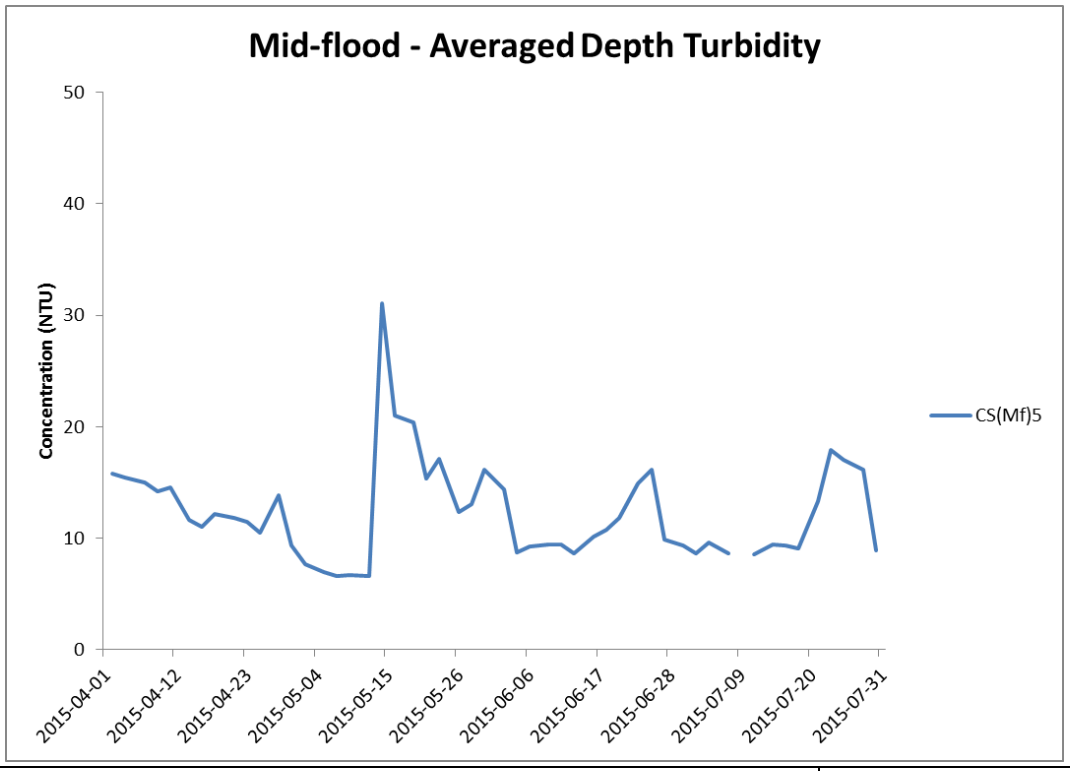
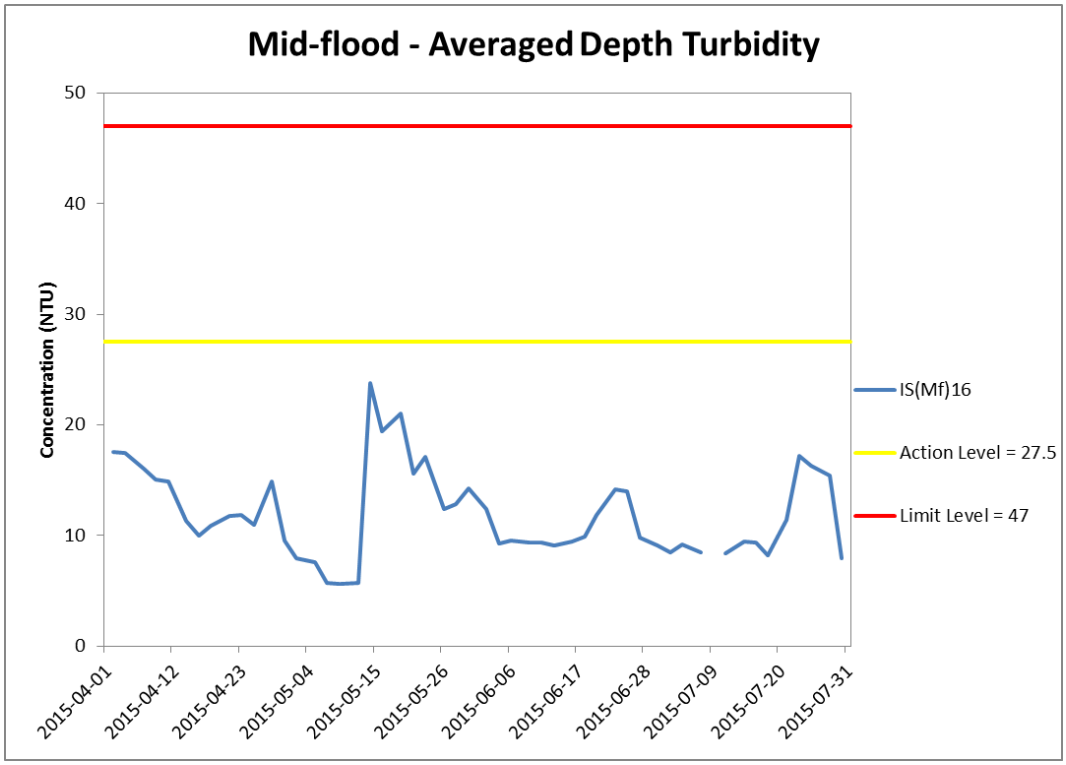


Figure J25 Impact Monitoring – Mean Level of depth-averaged Turbidity (NTU) during mid-flood tide between 1 April and 31 July 2015 at CS(Mf)3 and CS(MF)5.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)



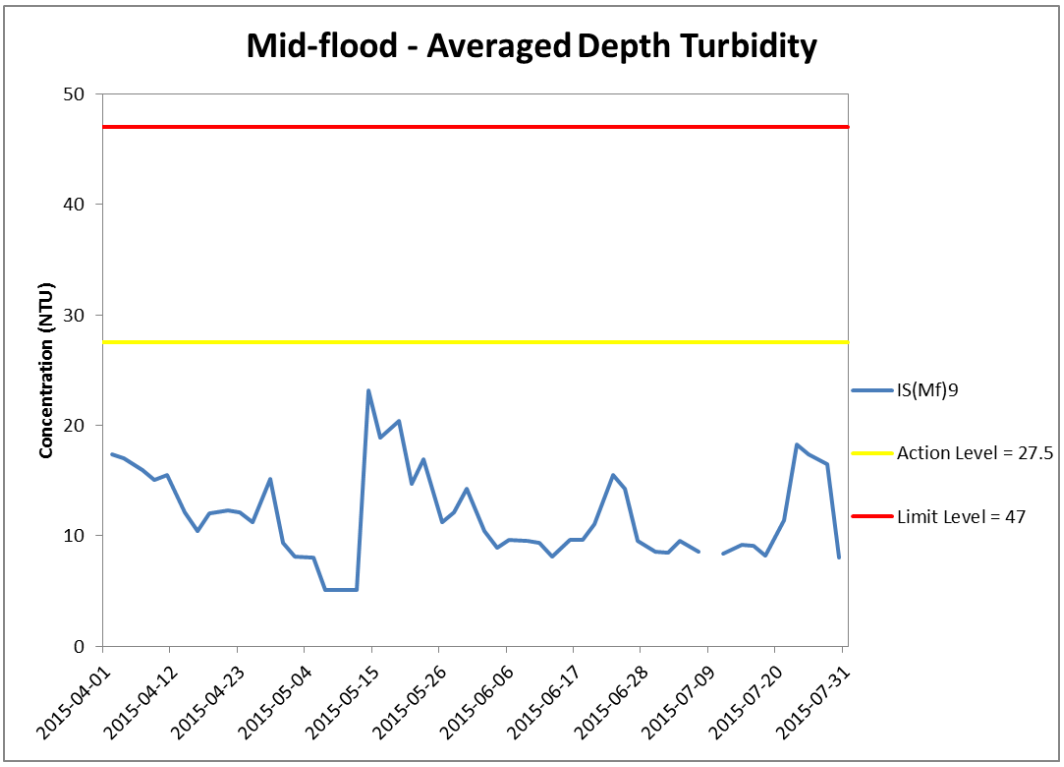
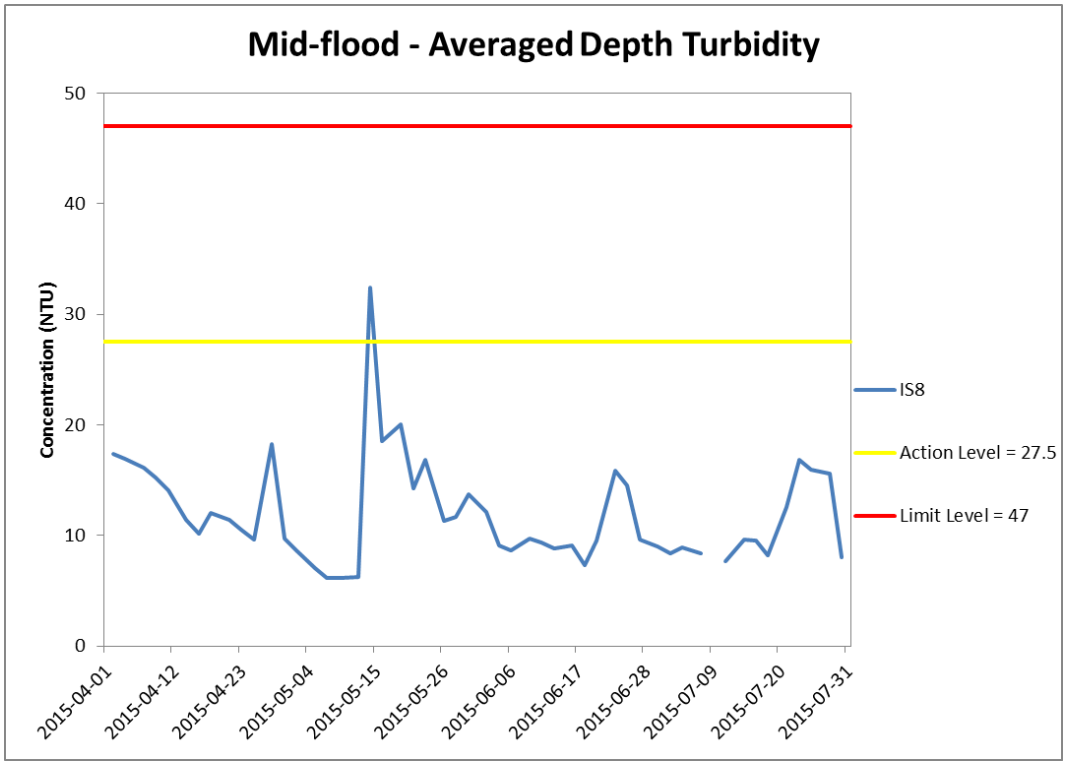


Figure J26 Impact Monitoring – Mean Level of depth-averaged Turbidity (NTU) during mid-flood tide between 1 April and 31 July 2015 at IS(Mf)16 and IS(Mf)9.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)



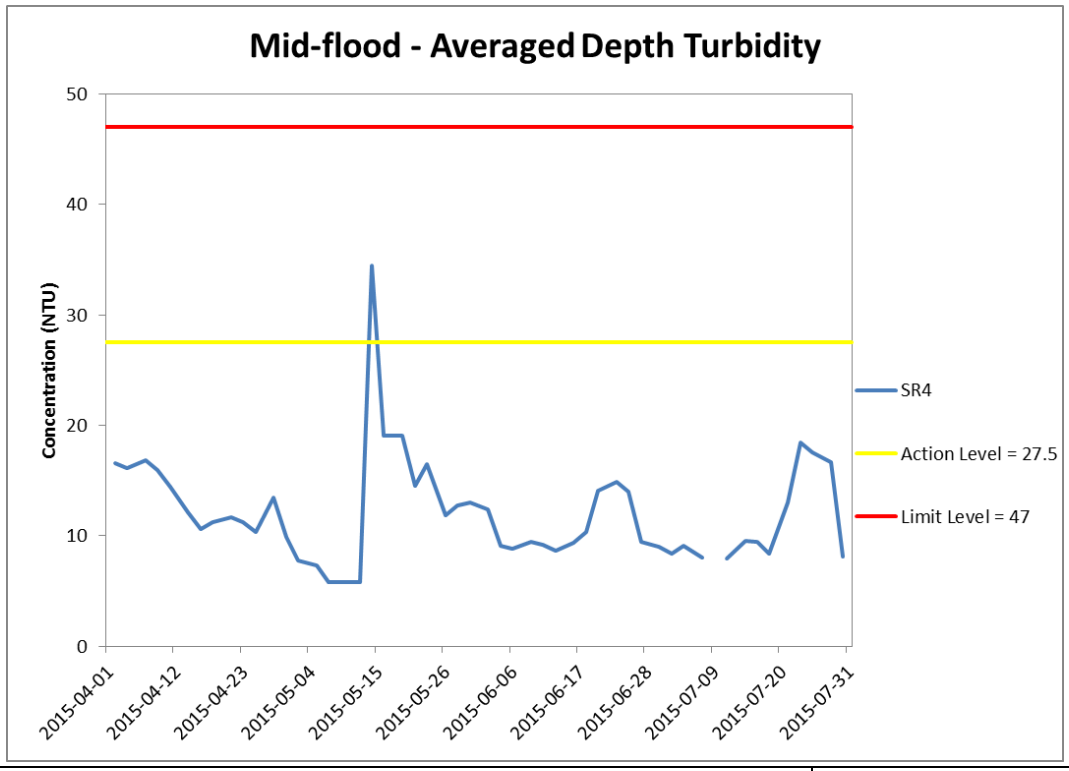


Figure J27 Impact Monitoring – Mean Level of depth-averaged Turbidity (NTU) during mid-flood tide between 1 April and 31 July 2015 at IS8 and SR4.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling) The result higher than Action Level were not considered as exceedance as it was not higher than 120% of the upstream control station on the same day at same tide.

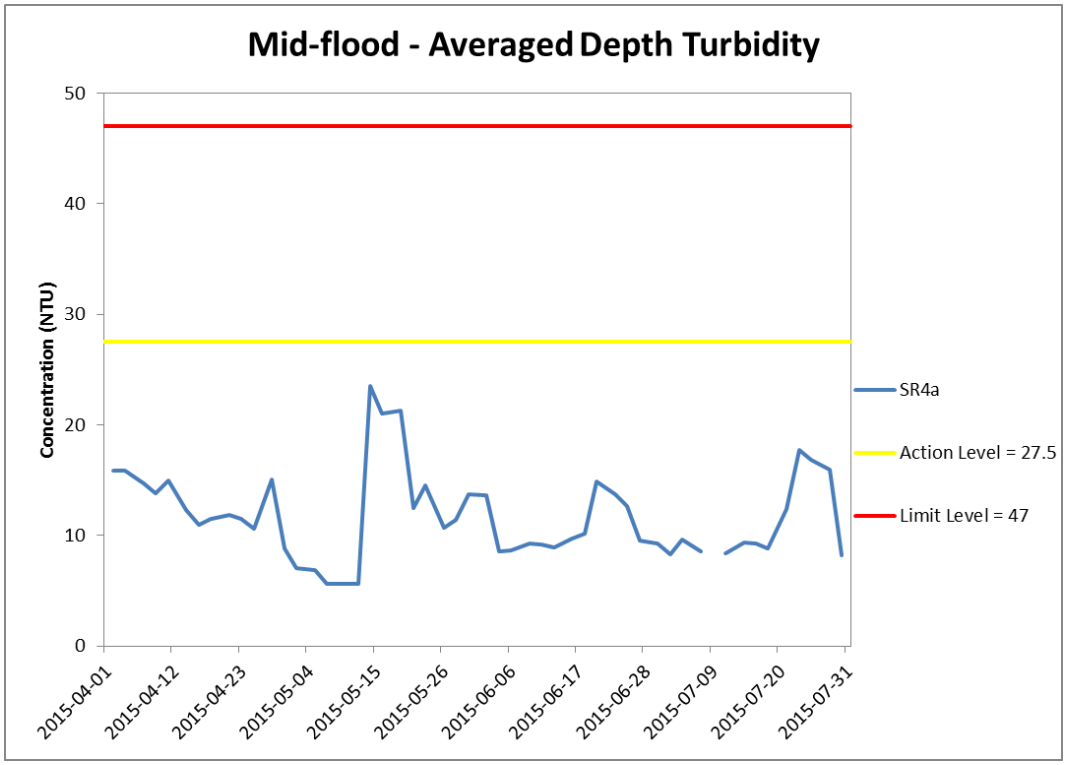
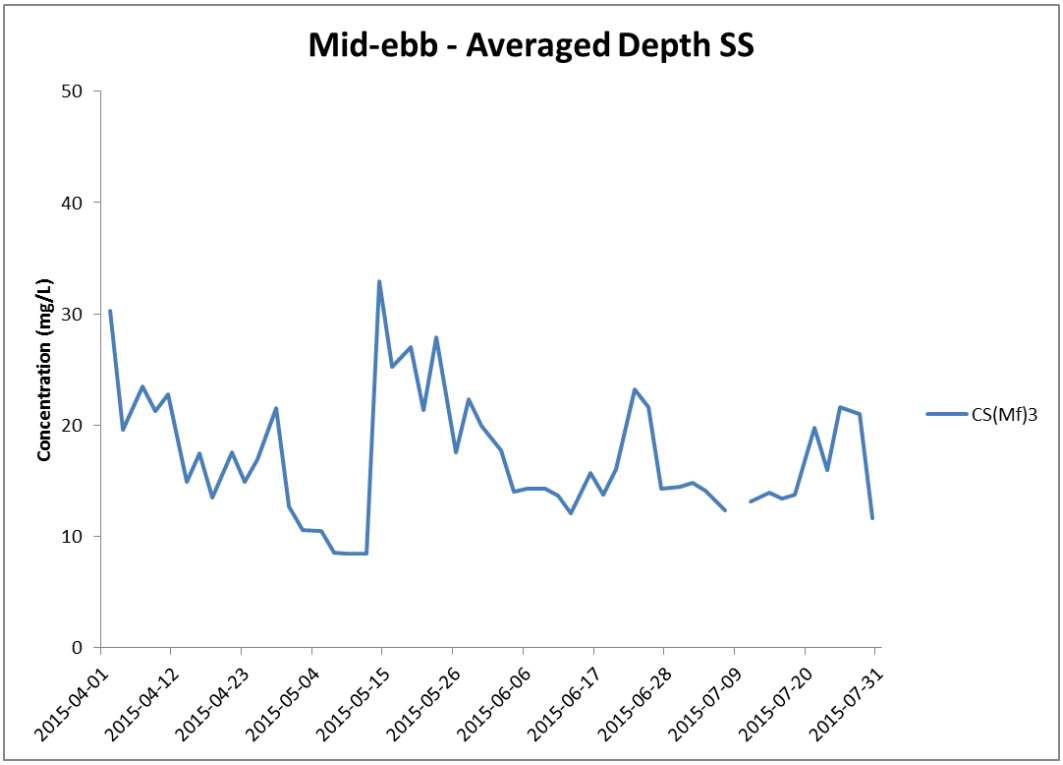


Figure J28 Impact Monitoring – Mean Level of depth-averaged Turbidity (NTU) during mid-flood tide between 1 April and 31 July 2015 at SR4a.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)

Environmental Resources Management

ERM



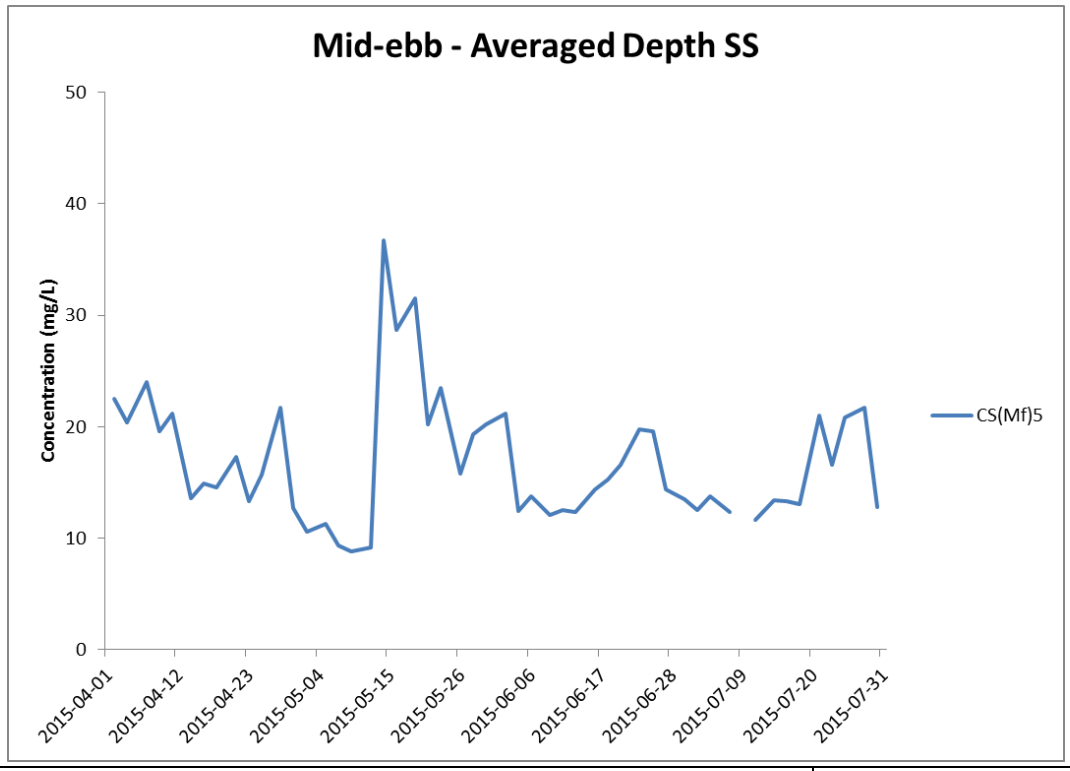
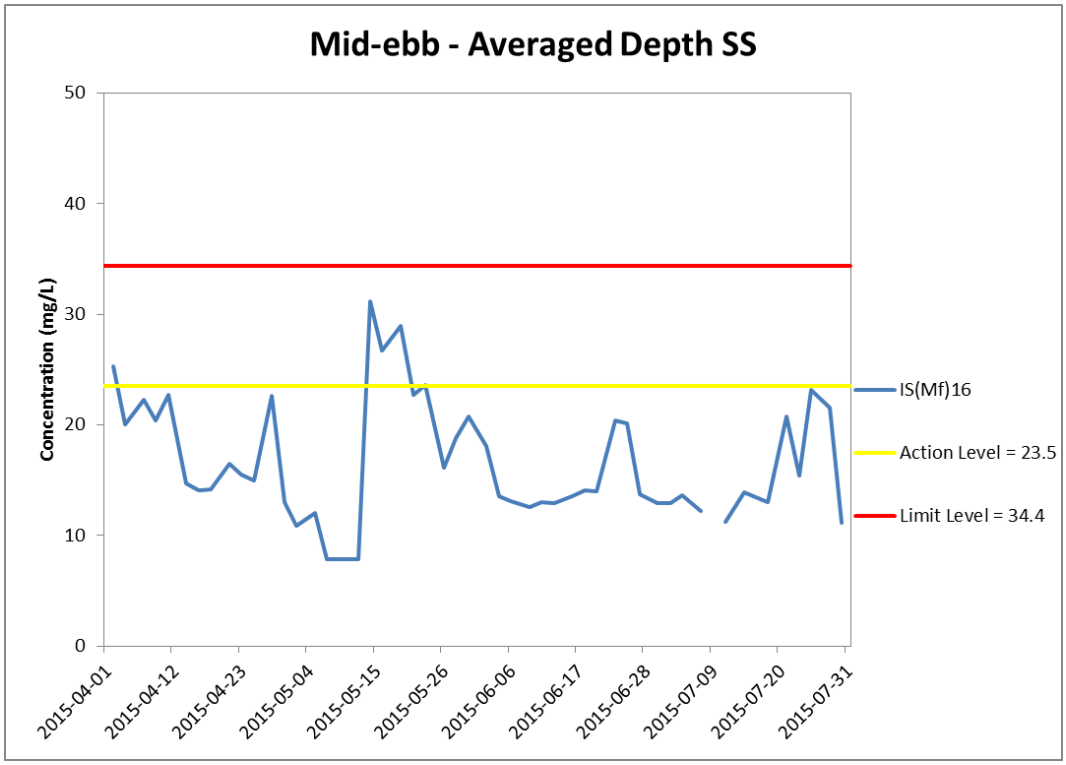


Figure J29 Impact Monitoring – Mean depth-averaged level of Suspended Solids (mg/L) during mid-ebb tide between 1 April and 31 July 2015 at CS(Mf)3 and CS(Mf)5.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)

Environmental Resources Management

ERM



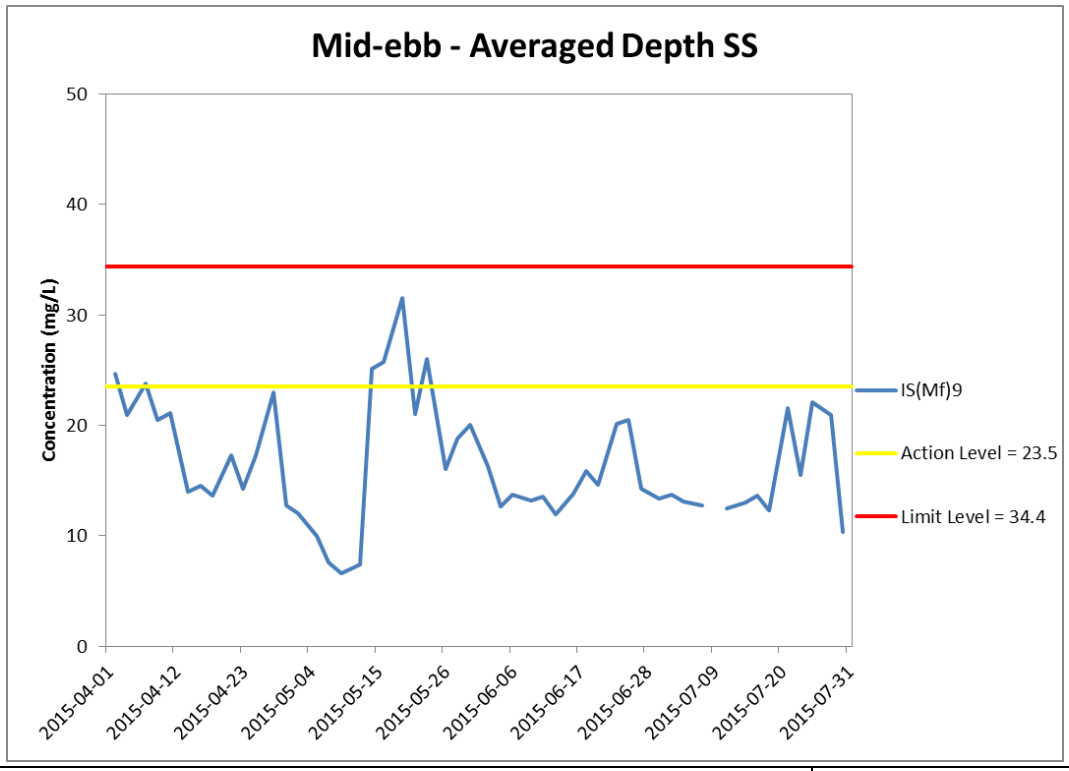
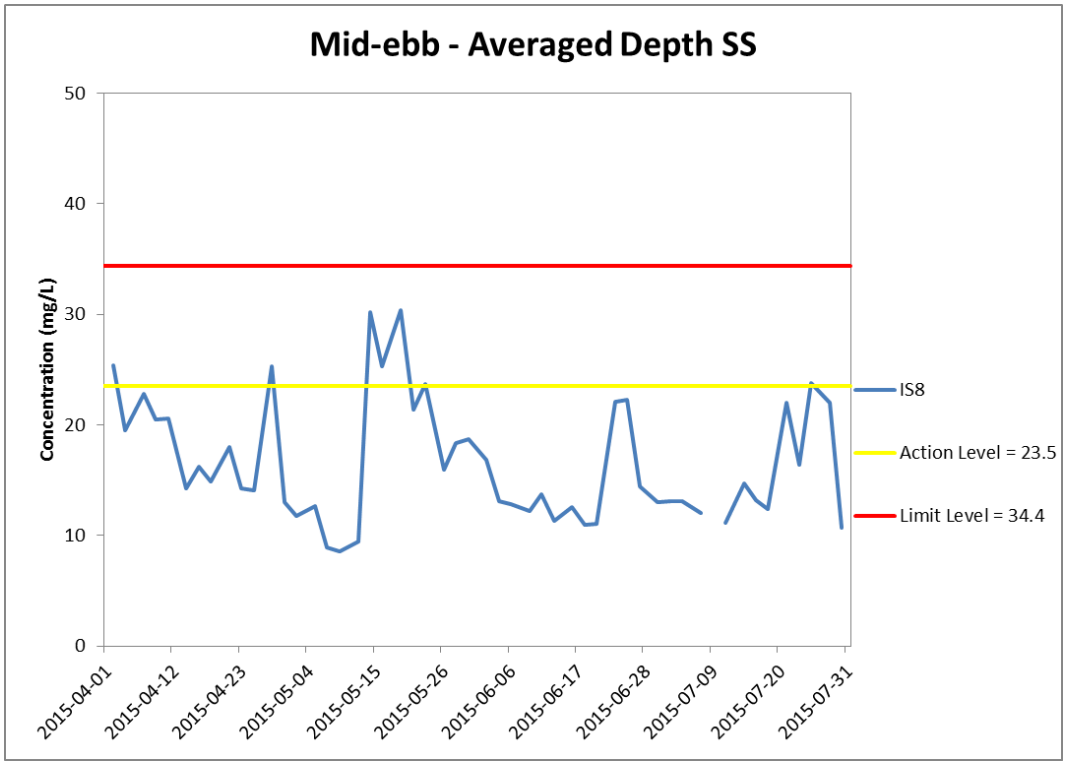


Figure J30 Impact Monitoring – Mean depth-averaged level of Suspended Solids (mg/L) during mid-ebb tide between 1 April and 31 July 2015 at IS(Mf)16 and IS(Mf)9.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling) The SS results higher than Action / Limit Levels were not considered as exceedances as the results were not higher than 120% of upstream control station.

Environmental Resources Management

ERM



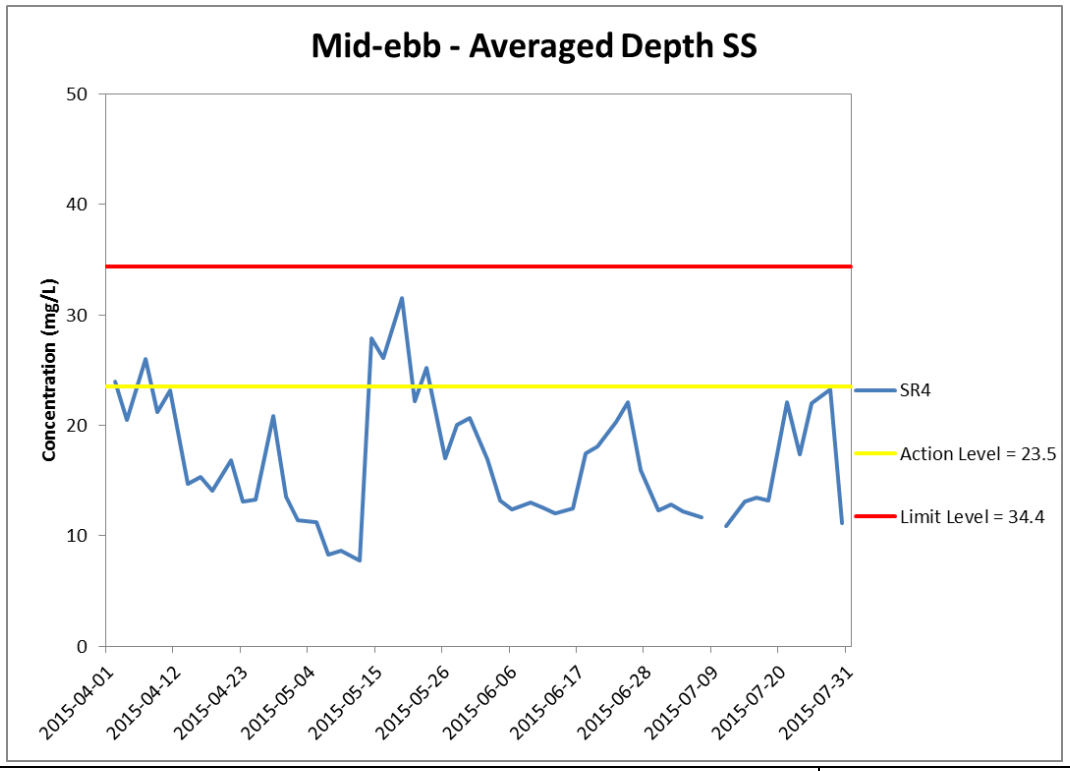


Figure J31 Impact Monitoring – Mean depth-averaged level of Suspended Solids (mg/L) during mid-ebb tide between 1 April and 31 July 2015 at IS8 and SR4.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling) The SS results higher than Action / Limit Levels were not considered as exceedances as the results were not higher than 120% of upstream control station.

Environmental Resources Management

ERM

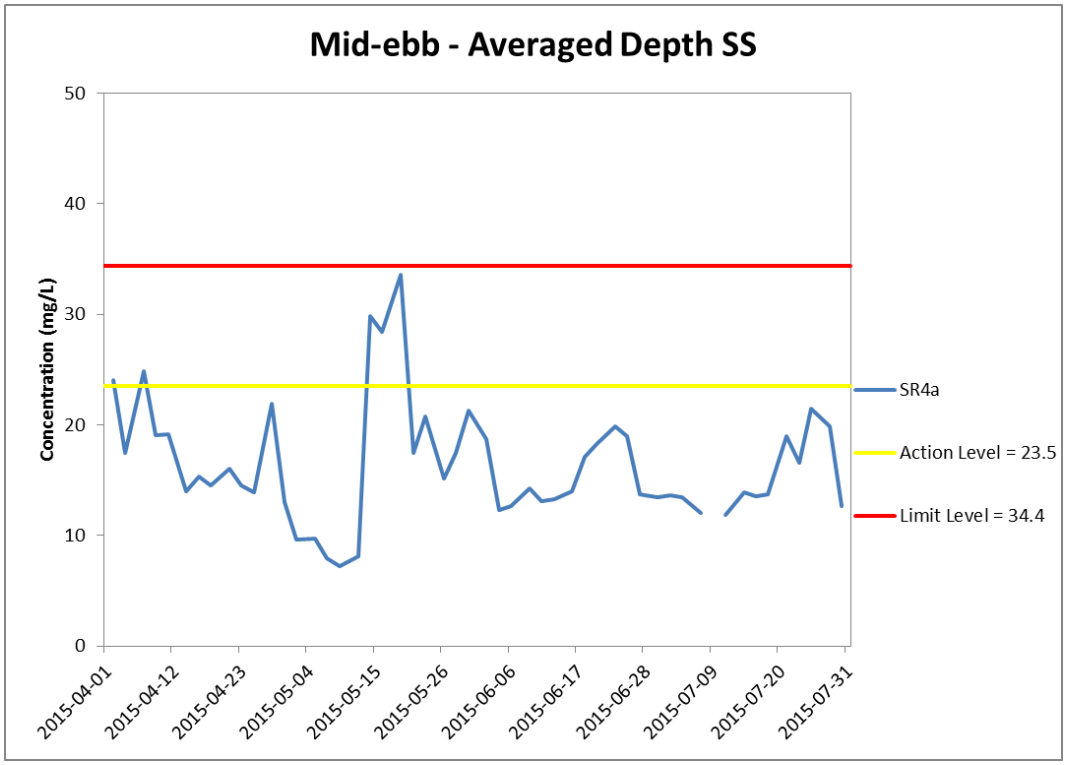
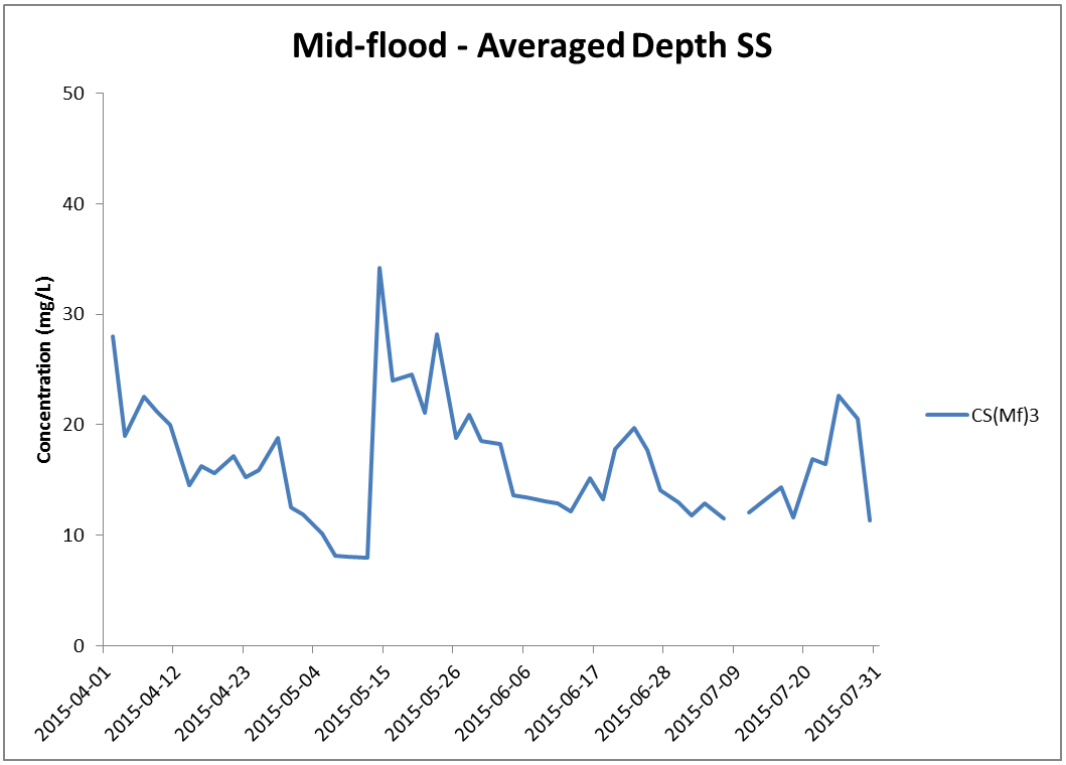


Figure J32 Impact Monitoring – Mean depth-averaged level of Suspended Solids (mg/L) during mid-ebb tide between 1 April and 31 July 2015 at SR4a.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling) Apart from 19 May, the SS results higher than Action / Limit Levels were not considered as exceedances as the results were not higher than 120% of upstream control station.

Environmental Resources Management

ERM



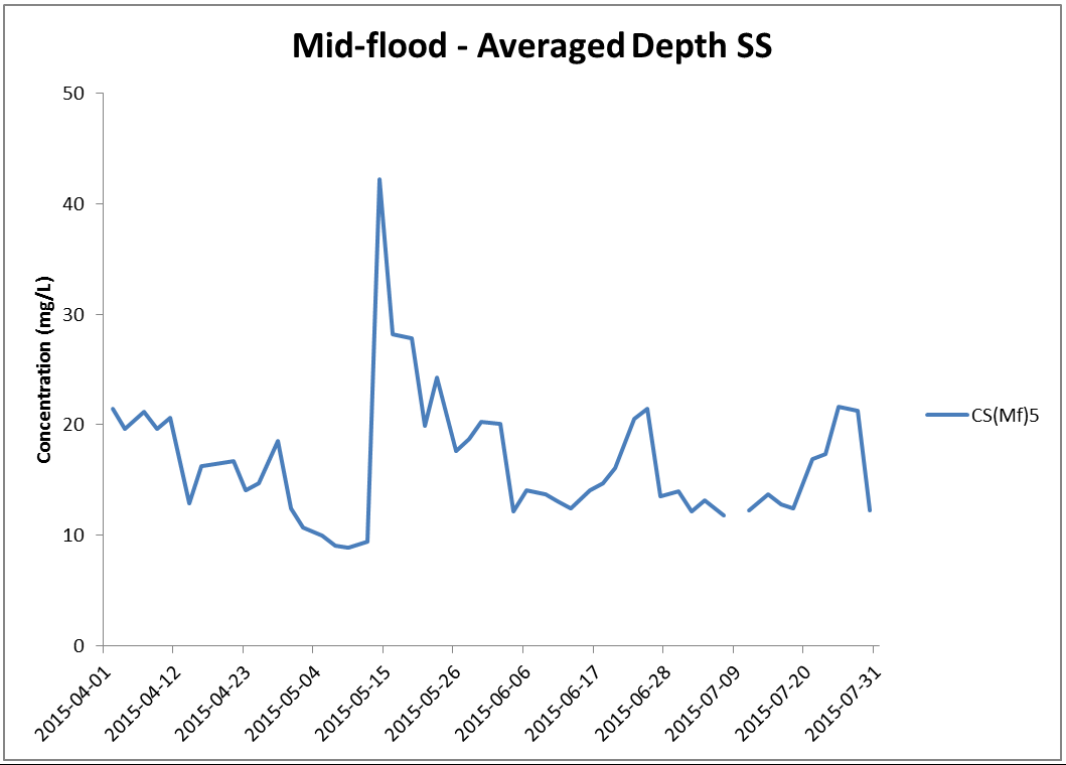
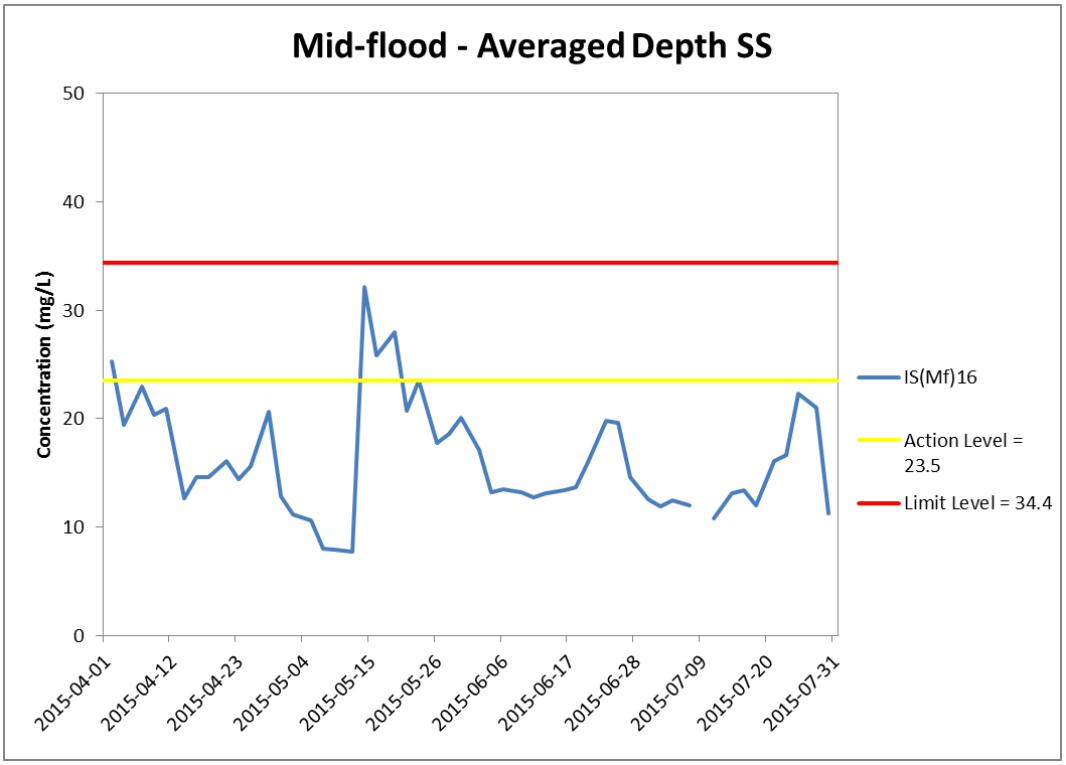


Figure J33 Impact Monitoring – Mean depth-averaged level of Suspended Solids (mg/L) during mid-flood tide between 1 April and 31 July 2015 at CS(Mf)3 and CS(Mf)5.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling)



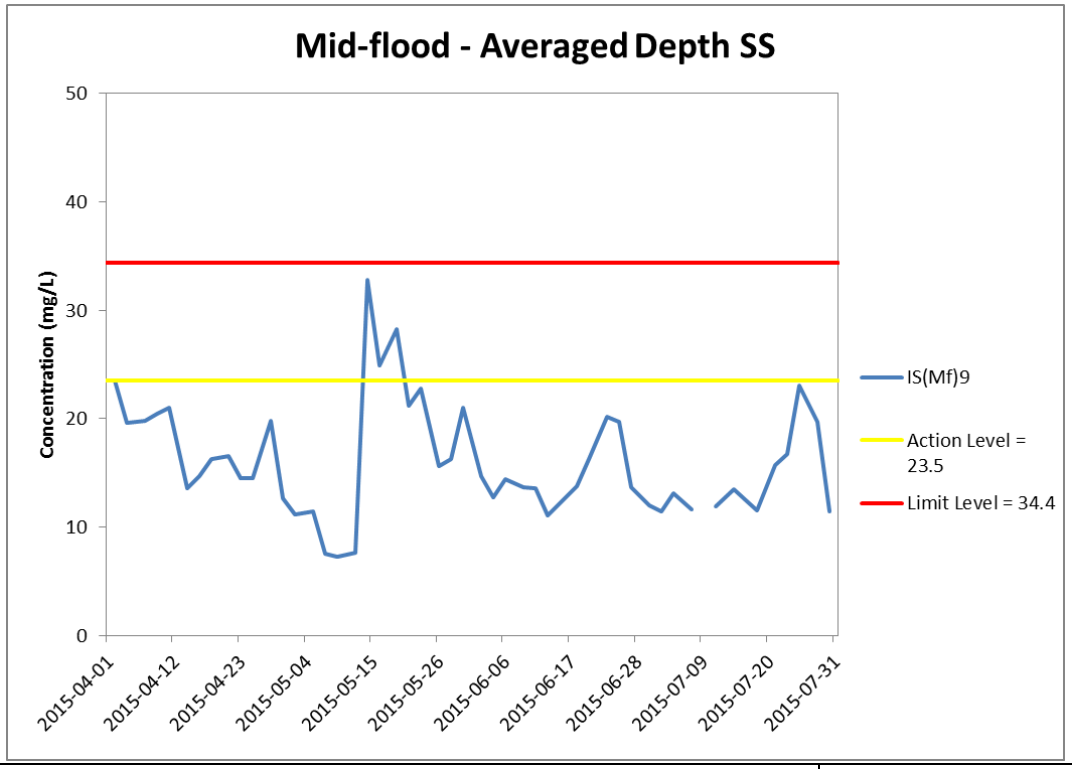
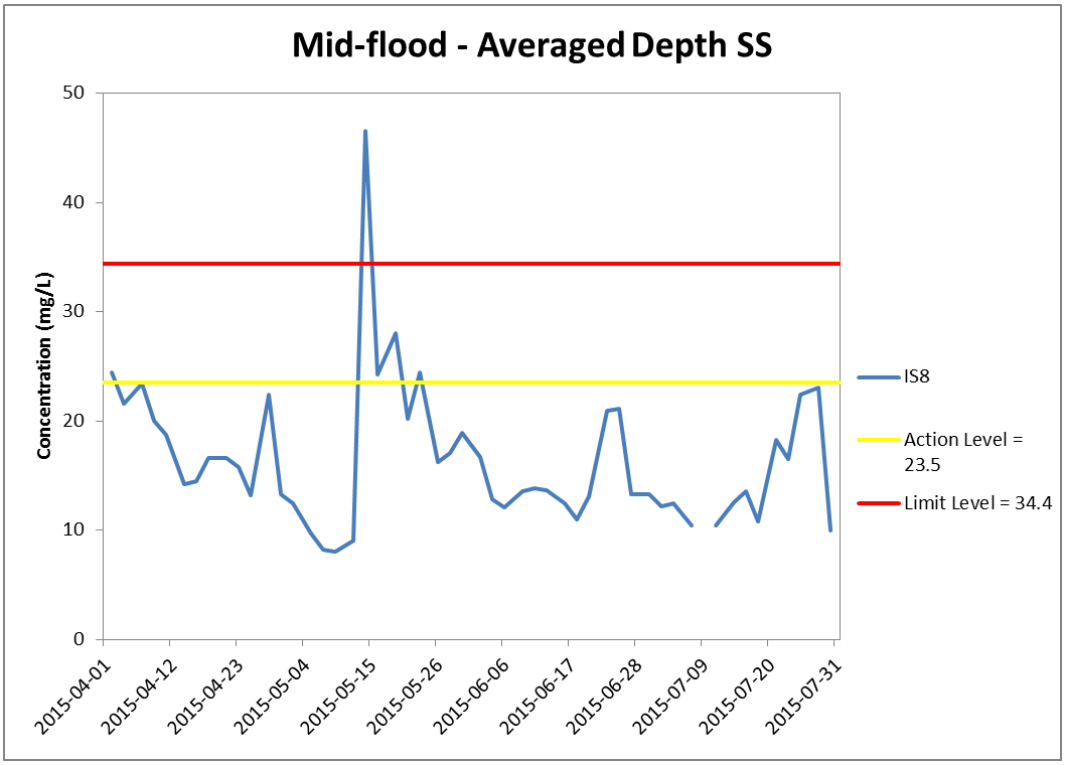


Figure J34 Impact Monitoring – Mean depth-averaged level of Suspended Solids (mg/L) during mid-flood tide between 1 April and 31 July 2015 at IS(Mf)16 and IS(Mf)9.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling) The SS results higher than Action / Limit Levels were not considered as exceedances as the results were not higher than 120% of upstream control station.

Environmental Resources Management

ERM



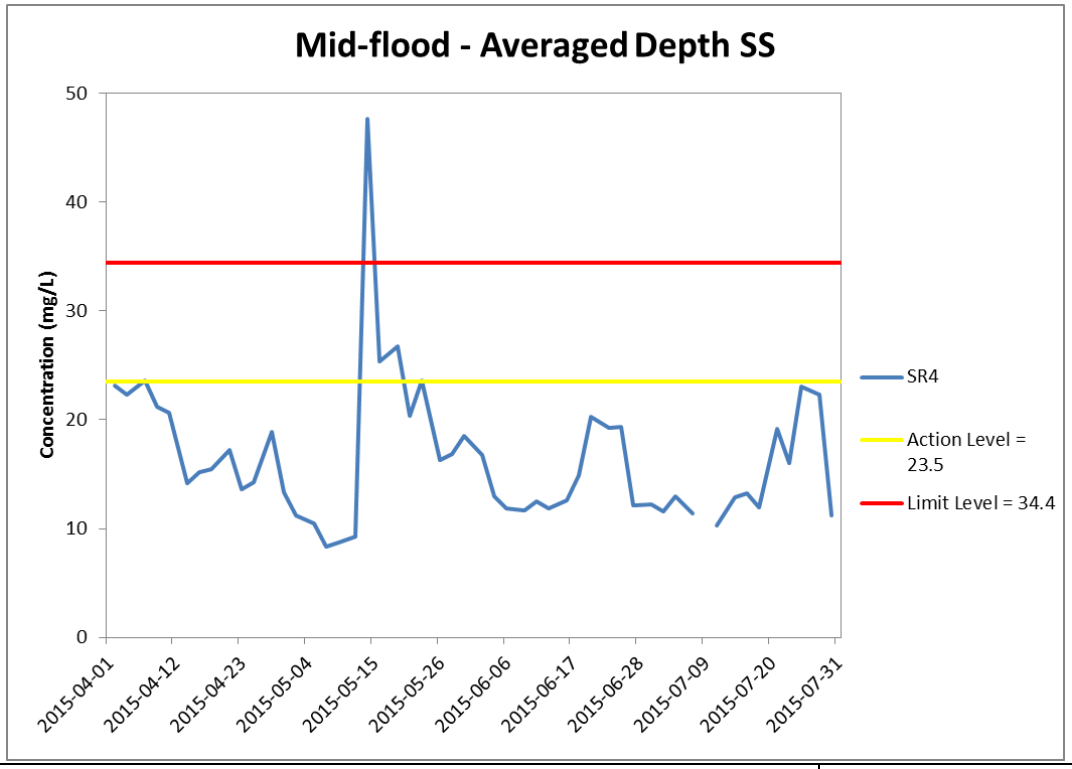


Figure J35 Impact Monitoring – Mean depth-averaged level of Suspended Solids (mg/L) during mid-flood tide between 1 April and 31 July 2015 at IS8 and SR4.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling) The SS results higher than Action / Limit Levels were not considered as exceedances as the results were not higher than 120% of upstream control station.

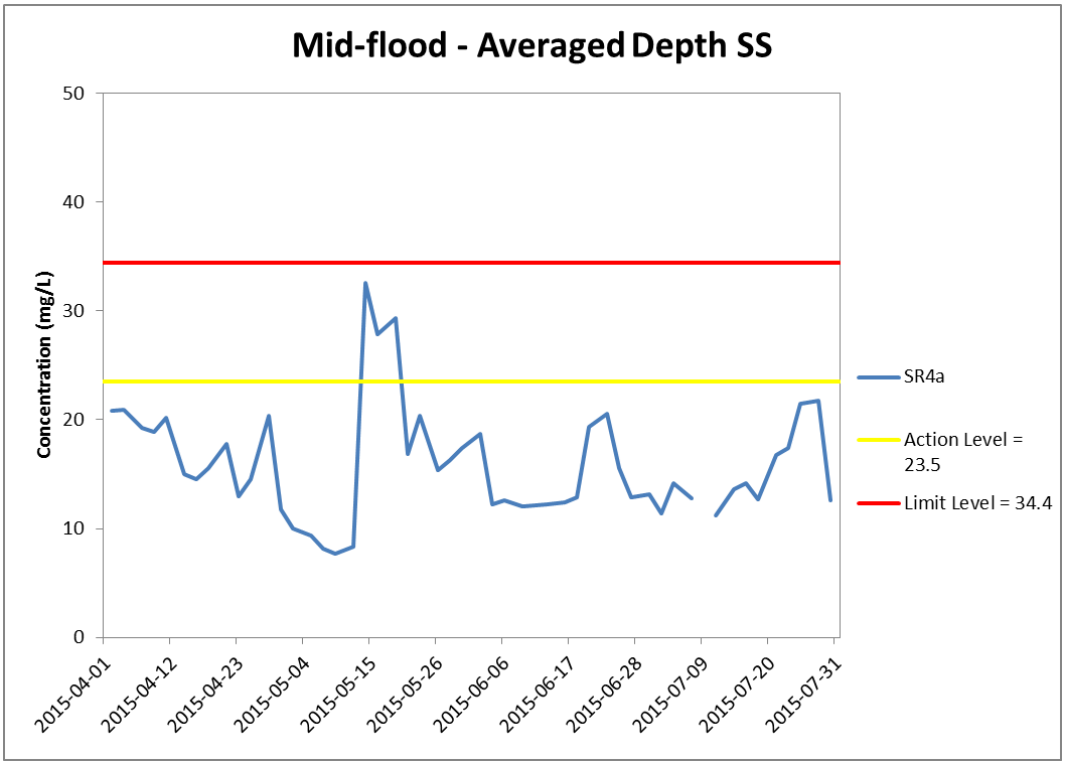


Figure J36 Impact Monitoring – Mean depth-averaged level of Suspended Solids (mg/L) during mid-flood tide between 1 April and 31 July 2015 at SR4a.

WQM was cancelled on 9 July 2015 due to adverse weather. (Weather condition varied between sunny to rainy within the reporting period.
Marine works within the reporting period include Construction and installation of pile caps; Uninstallation of marine piling platform; Pier head segment installation; Pile cap installation; Pier construction; Launching gantry assembly and marine piling) The SS results higher than Action / Limit Levels were not considered as exceedances as the results were not higher than 120% of upstream control station.

Environmental Resources Management

ERM

Appendix K

Impact Dolphin Monitoring Survey Results

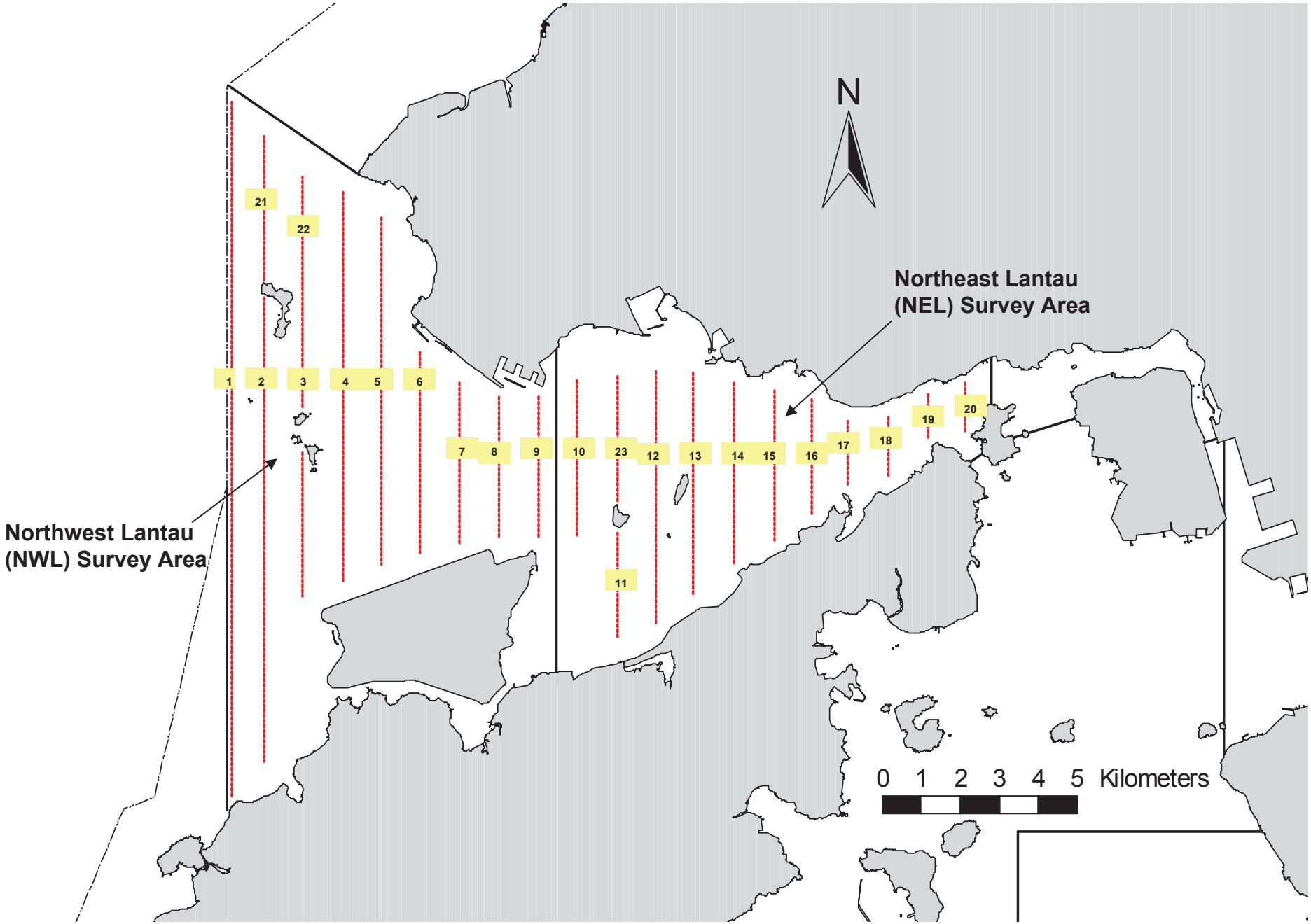


Figure 1. Transect Line Layout in Northwest and Northeast Lantau Survey Areas

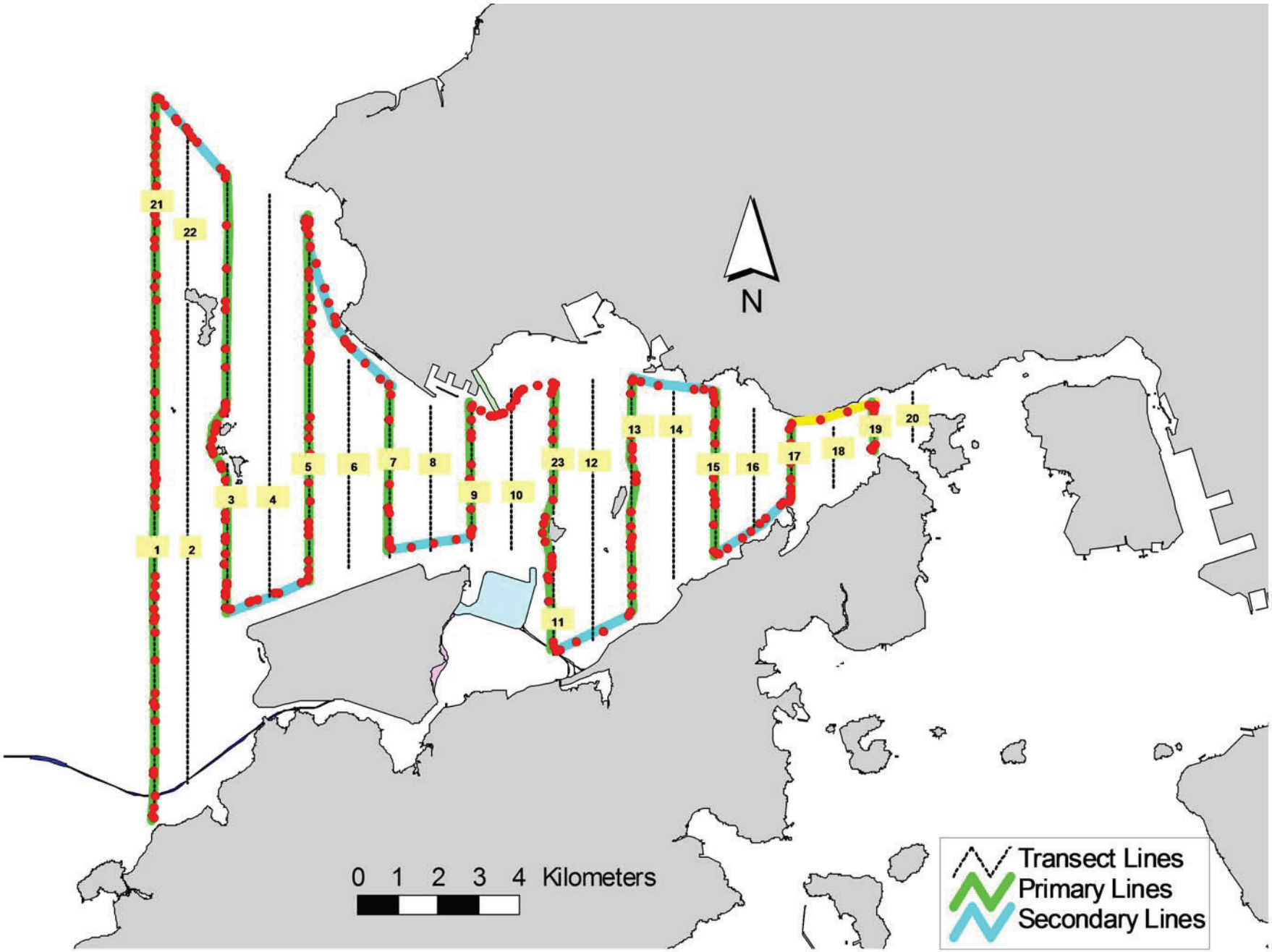


Figure 2. Survey Route on July 2nd, 2015 (from HKLR03 project)

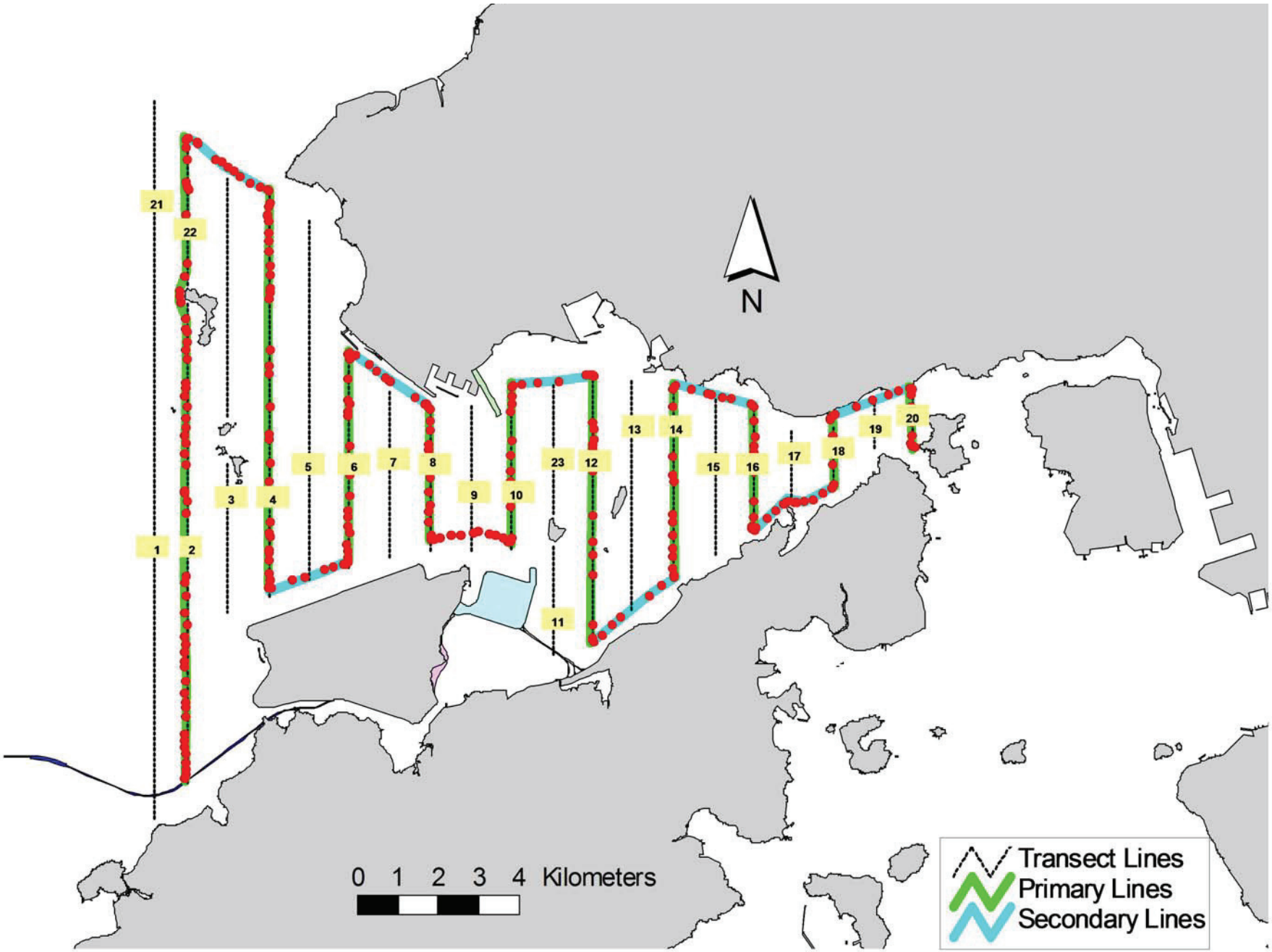


Figure 3. Survey Route on July 7th, 2015 (from HKLR03 project)

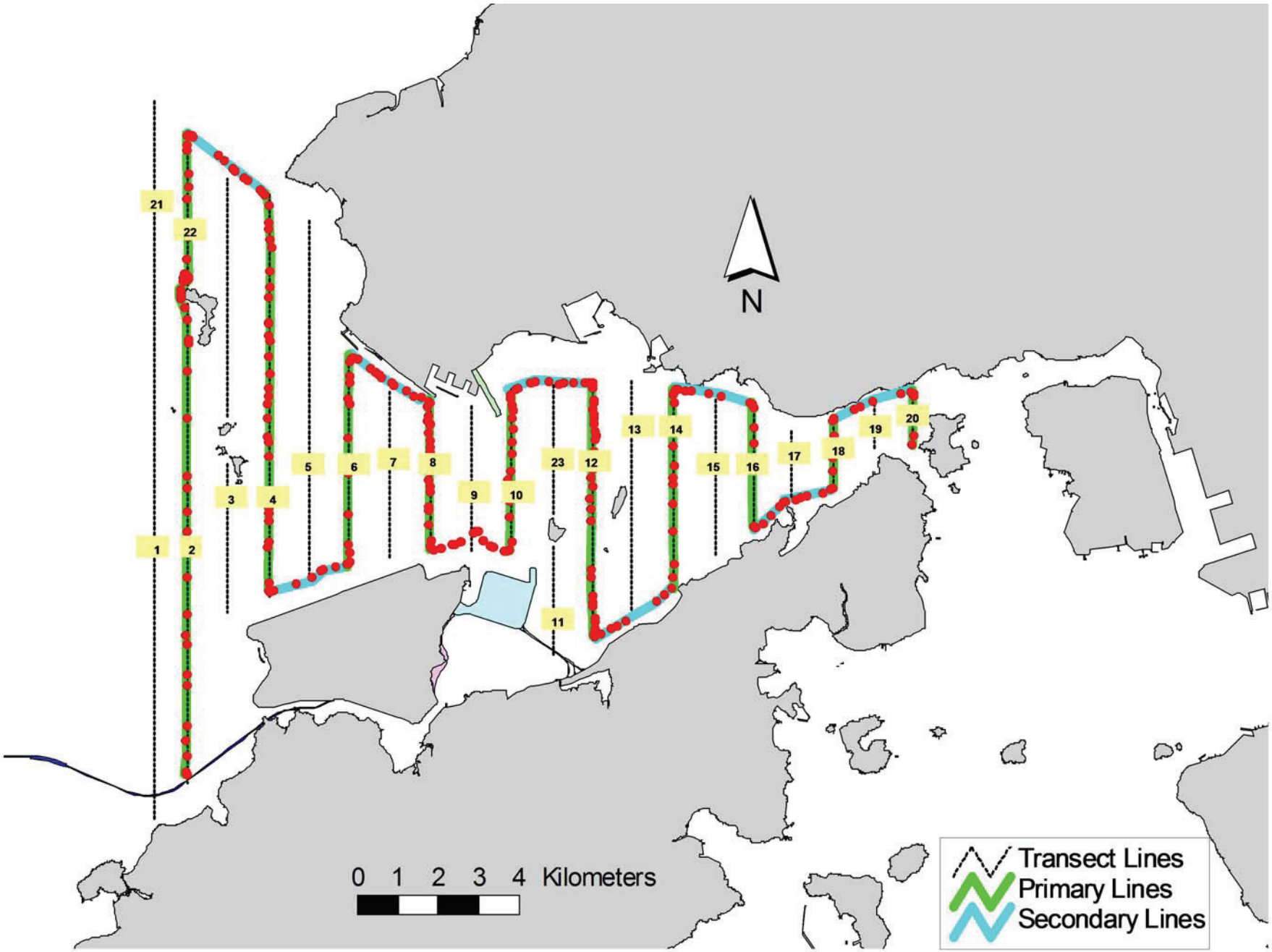


Figure 4. Survey Route on July 22nd, 2015 (from HKLR03 project)

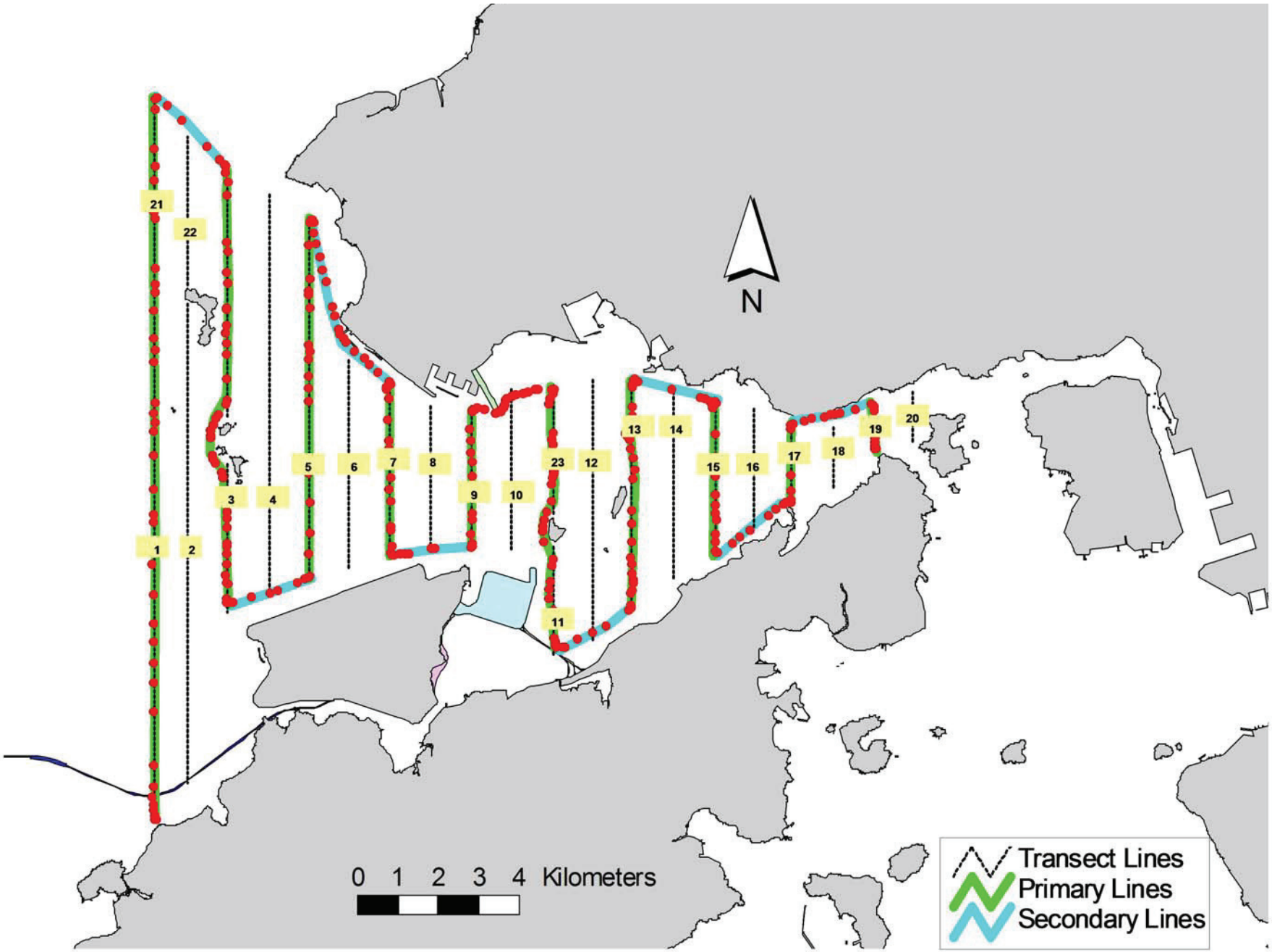


Figure 5. Survey Route on July 27th, 2015 (from HKLR03 project)

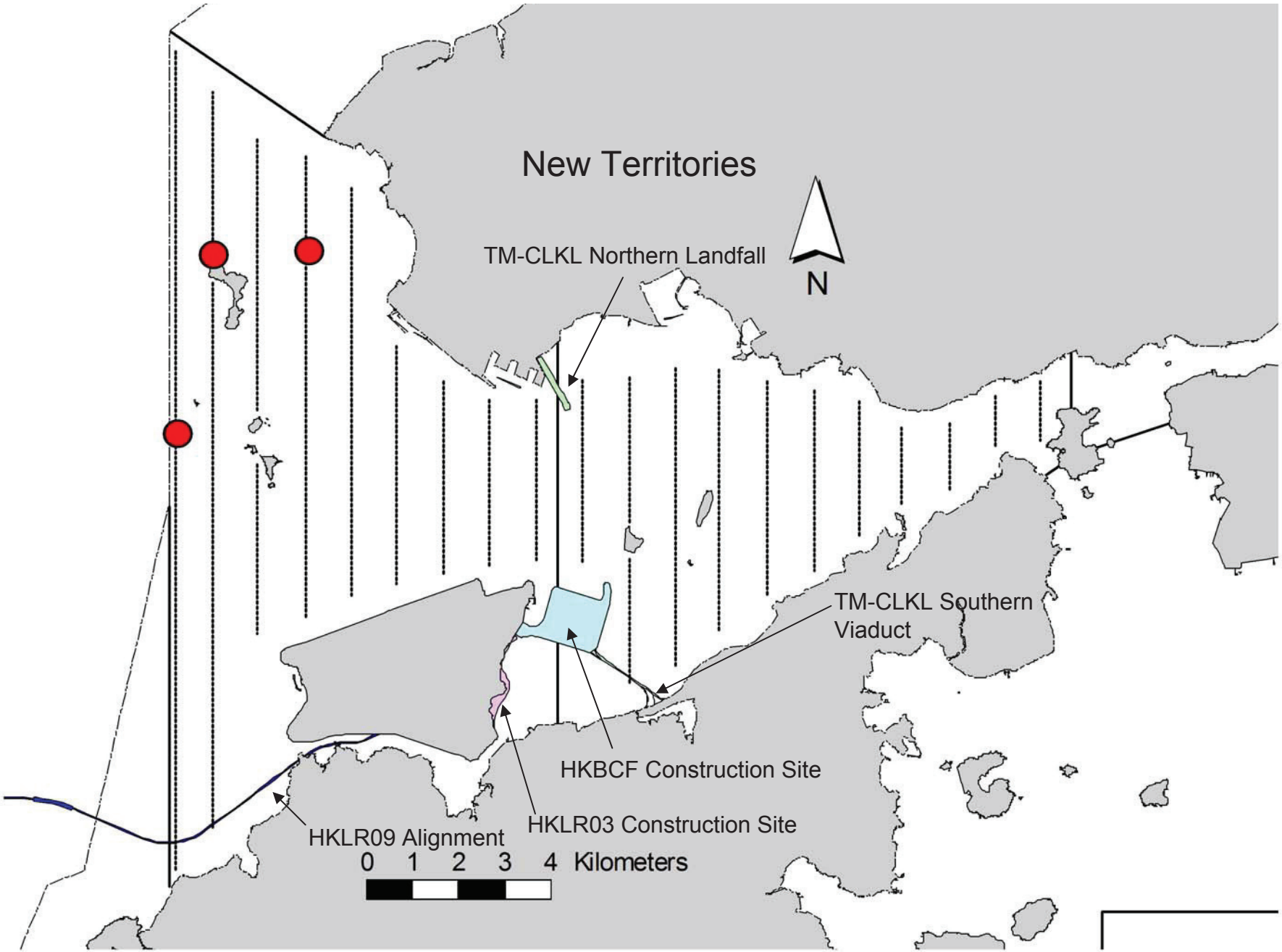


Figure 6. Distribution of Chinese White Dolphin Sightings During July 2015 HKLR03 Monitoring Surveys

Appendix I. HKLR03 Survey Effort Database (July 2015)

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

DATE	AREA	BEAU	EFFORT	SEASON	VESSEL	TYPE	P/S
2-Jul-15	NW LANTAU	2	1.80	SUMMER	STANDARD31516	HKLR	P
2-Jul-15	NW LANTAU	3	29.96	SUMMER	STANDARD31516	HKLR	P
2-Jul-15	NW LANTAU	4	6.90	SUMMER	STANDARD31516	HKLR	P
2-Jul-15	NW LANTAU	5	2.30	SUMMER	STANDARD31516	HKLR	P
2-Jul-15	NW LANTAU	3	6.30	SUMMER	STANDARD31516	HKLR	S
2-Jul-15	NW LANTAU	4	6.26	SUMMER	STANDARD31516	HKLR	S
2-Jul-15	NE LANTAU	2	14.61	SUMMER	STANDARD31516	HKLR	P
2-Jul-15	NE LANTAU	3	2.80	SUMMER	STANDARD31516	HKLR	P
2-Jul-15	NE LANTAU	2	6.35	SUMMER	STANDARD31516	HKLR	S
2-Jul-15	NE LANTAU	3	3.44	SUMMER	STANDARD31516	HKLR	S
7-Jul-15	NE LANTAU	2	15.85	SUMMER	STANDARD31516	HKLR	P
7-Jul-15	NE LANTAU	3	4.59	SUMMER	STANDARD31516	HKLR	P
7-Jul-15	NE LANTAU	2	6.60	SUMMER	STANDARD31516	HKLR	S
7-Jul-15	NE LANTAU	3	4.36	SUMMER	STANDARD31516	HKLR	S
7-Jul-15	NW LANTAU	3	27.41	SUMMER	STANDARD31516	HKLR	P
7-Jul-15	NW LANTAU	4	4.20	SUMMER	STANDARD31516	HKLR	P
7-Jul-15	NW LANTAU	3	5.89	SUMMER	STANDARD31516	HKLR	S
7-Jul-15	NW LANTAU	4	1.90	SUMMER	STANDARD31516	HKLR	S
22-Jul-15	NW LANTAU	2	17.06	SUMMER	STANDARD31516	HKLR	P
22-Jul-15	NW LANTAU	3	14.40	SUMMER	STANDARD31516	HKLR	P
22-Jul-15	NW LANTAU	2	4.32	SUMMER	STANDARD31516	HKLR	S
22-Jul-15	NW LANTAU	3	2.62	SUMMER	STANDARD31516	HKLR	S
22-Jul-15	NE LANTAU	2	14.48	SUMMER	STANDARD31516	HKLR	P
22-Jul-15	NE LANTAU	3	5.54	SUMMER	STANDARD31516	HKLR	P
22-Jul-15	NE LANTAU	2	8.78	SUMMER	STANDARD31516	HKLR	S
22-Jul-15	NE LANTAU	3	2.00	SUMMER	STANDARD31516	HKLR	S
27-Jul-15	NW LANTAU	2	1.68	SUMMER	STANDARD31516	HKLR	P
27-Jul-15	NW LANTAU	3	24.69	SUMMER	STANDARD31516	HKLR	P
27-Jul-15	NW LANTAU	4	14.63	SUMMER	STANDARD31516	HKLR	P
27-Jul-15	NW LANTAU	2	2.10	SUMMER	STANDARD31516	HKLR	S
27-Jul-15	NW LANTAU	3	8.60	SUMMER	STANDARD31516	HKLR	S
27-Jul-15	NW LANTAU	4	2.50	SUMMER	STANDARD31516	HKLR	S
27-Jul-15	NE LANTAU	2	8.93	SUMMER	STANDARD31516	HKLR	P
27-Jul-15	NE LANTAU	3	7.93	SUMMER	STANDARD31516	HKLR	P
27-Jul-15	NE LANTAU	2	7.74	SUMMER	STANDARD31516	HKLR	S
27-Jul-15	NE LANTAU	3	2.10	SUMMER	STANDARD31516	HKLR	S

Appendix II. HKLR03 Chinese White Dolphin Sighting Database (July 2015)

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

DATE	STG #	TIME	HRD SZ	AREA	BEAU	PSD	EFFORT	TYPE	NORTHING	EASTING	SEASON	BOAT ASSOC.	P/S
2-Jul-15	1	1051	2	NW LANTAU	3	158	ON	HKLR	823542	804688	SUMMER	NONE	P
22-Jul-15	1	1055	3	NW LANTAU	3	153	ON	HKLR	827217	805458	SUMMER	NONE	P
22-Jul-15	2	1140	1	NW LANTAU	3	147	ON	HKLR	827280	807549	SUMMER	NONE	P

Appendix III. Individual dolphins identified during HKLR03 monitoring surveys in July 2015

ID#	DATE	STG#	AREA
NL233	22/07/15	1	NW LANTAU
NL310	02/07/15	1	NW LANTAU
WL167	02/07/15	1	NW LANTAU

Appendix IV. Photographs of Identified Individual Dolphins in July 2015 (HKLR03)

Appendix L

Event Action Plan

Appendix L1 Event/ Action Plan for Air Quality

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

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

and keep the IEC, the DEP and the SOR informed of the results. 8. If the exceedance stops, cease additional monitoring.	

Appendix L2 Event/ Action Plan for Construction Noise

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

Appendix L3 Event/ Action Plan for Water Quality

Event	ET Leader	IEC	SOR	Contractor
Action level being exceeded by one sampling day	1. Repeat in situ measurement on next day of exceedance to confirm findings; 2. Identify source(s) of impact; 3. Inform IEC, contractor and SOR; 4. Check monitoring data, all plant, equipment and Contractor's working methods.	1. Check monitoring data submitted by ET and Contractor's working methods.	1. Confirm receipt of notification of non-compliance in writing; 2. Notify Contractor.	1. Inform the SOR and confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Amend working methods if appropriate.
Action level being exceeded by two or more consecutive sampling days	1. Repeat measurement on next day of exceedance to confirm findings; 2. Identify source(s) of impact; 3. Inform IEC, contractor, SOR and EPD; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC, SOR and Contractor; 6. Ensure mitigation measures are implemented; 7. Increase the monitoring frequency to daily until no exceedance of Action level;	1. Check monitoring data submitted by ET and Contractor's working method; 2. Discuss with ET and Contractor on possible remedial actions; 3. Review the proposed mitigation measures submitted by Contractor and advise the SOR accordingly; 4. Supervise the implementation of mitigation measures.	1. Discuss with IEC on the proposed mitigation measures; 2. Ensure mitigation measures are properly implemented; 3. Assess the effectiveness of the implemented mitigation measures.	1. Inform the Supervising Officer and confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment and consider changes of working methods; 4. Submit proposal of additional mitigation measures to SOR within 3 working days of notification and discuss with ET, IEC and SOR; 5. Implement the agreed mitigation measures.
Limit level being exceeded by one sampling day	1. Repeat measurement on next day of exceedance to confirm findings;	1. Check monitoring data submitted by ET and Contractor's working method;	1. Confirm receipt of notification of failure in writing;	1. Inform the SOR and confirm notification of the non-compliance in writing;

Event	ET Leader	IEC	SOR	Contractor
	2. Identify source(s) of impact; 3. Inform IEC, contractor, SOR and EPD; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC, SOR and Contractor;	2. Discuss with ET and Contractor on possible remedial actions; 3. Review the proposed mitigation measures submitted by Contractor and advise the SOR accordingly.	2. Discuss with IEC, ET and Contractor on the proposed mitigation measures; 3. Request Contractor to review the working methods.	2. Rectify unacceptable practice; 3. Check all plant and equipment and consider changes of working methods; 4. Submit proposal of mitigation measures to SOR within 3 working days of notification and discuss with ET, IEC and SOR.
Limit level being exceeded by two or more consecutive sampling days	1. Repeat measurement on next day of exceedance to confirm findings; 2. Identify source(s) of impact; 3. Inform IEC, contractor, SOR and EPD; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC, SOR and Contractor; 6. Ensure mitigation measures are implemented; 7. Increase the monitoring frequency to daily until no exceedance of Limit level for two consecutive days;	1. Check monitoring data submitted by ET and Contractor's working method; 2. Discuss with ET and Contractor on possible remedial actions; 3. Review the Contractor's mitigation measures whenever necessary to assure their effectiveness and advise the SOR accordingly; 4. Supervise the implementation of mitigation measures.	1. Discuss with IEC, ET and Contractor on the proposed mitigation measures; 2. Request Contractor to critically review the working methods; 3. Make agreement on the mitigation measures to be implemented; 4. 5. Ensure mitigation measures are properly implemented; 6. 7. Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the construction activities until no exceedance of Limit level.	1. Take immediate action to avoid further exceedance; 2. Submit proposal of mitigation measures to SOR within 3 working days of notification and discuss with ET, IEC and SOR; 3. Implement the agreed mitigation measures; 4. Resubmit proposals of mitigation measures if problem still not under control; 5. As directed by the Supervising Officer, to slow down or to stop all or part of the construction activities until no exceedance of Limit level.

Appendix L4 Implementation of Event-Action Plan for Dolphin Monitoring

Event	ET Leader	IEC	SOR	Contractor
Action Level	1. Repeat statistical data analysis to confirm findings; 2. Review all available and relevant data, including raw data and statistical analysis results of other parameters covered in the EM&A, to ascertain if differences are as a result of natural variation or previously observed seasonal differences; 3. Identify source(s) of impact; 4. Inform the IEC, SOR and Contractor; 5. Check monitoring data. 6. Review to ensure all the dolphin protective measures are fully and properly implemented and advise on additional measures if necessary.	1. Check monitoring data submitted by ET and Contractor; 2. Discuss monitoring results and findings with the ET and the Contractor.	1. Discuss monitoring with the IEC and any other measures proposed by the ET; 2. If SOR is satisfied with the proposal of any other measures, SOR to signify the agreement in writing on the measures to be implemented.	1. Inform the SOR and confirm notification of the non-compliance in writing; 2. Discuss with the ET and the IEC and propose measures to the IEC and the SOR; 3. Implement the agreed measures.

Event	ET Leader	IEC	SOR	Contractor
Limit Level	1. Repeat statistical data analysis to confirm findings; 2. Review all available and relevant data, including raw data and statistical analysis results of other parameters covered in the EM&A, to ascertain if differences are as a result of natural variation or previously observed seasonal differences; 3. Identify source(s) of impact; 4. Inform the IEC, ER/SOR and Contractor of findings; 5. Check monitoring data; 6. Repeat review to ensure all the dolphin protective measures are fully and properly implemented and advise on additional measures if necessary; 7. If ET proves that the source of impact is caused by any of the construction activity by the works contract, ET to arrange a meeting to discuss with IEC, ER/SOR and Contractor the necessity of additional dolphin monitoring and/or any other potential mitigation measures (e.g., consider to modify the perimeter silt curtain or consider to control/temporarily stop relevant construction activity etc.) and submit to IEC a proposal of additional dolphin monitoring and/or mitigation measures where necessary.	1. Check monitoring data submitted by ET and Contractor; 2. Discuss monitoring results and findings with the ET and the Contractor; 3. Attend the meeting to discuss with ET, ER/SOR and Contractor the necessity of additional dolphin monitoring and any other potential mitigation measures; 4. Review proposals for additional monitoring and any other mitigation measures submitted by ET and Contractor and advise ER/SOR of the results and findings accordingly; 5. Supervise / Audit the implementation of additional monitoring and/or any other mitigation measures and advise ER/SOR the results and findings accordingly.	1. Attend the meeting to discuss with ET, IEC and Contractor the necessity of additional dolphin monitoring and any other potential mitigation measures; 2. If ER/SOR is satisfied with the proposals for additional dolphin monitoring and/or any other mitigation measures submitted by ET and Contractor and verified by IEC, ER/SOR to signify the agreement in writing on such proposals and any other mitigation measures; 3. Supervise the implementation of additional monitoring and/or any other mitigation measures.	1. Inform the ER/SOR and confirm notification of the non- compliance in writing; 2. Attend the meeting to discuss with ET, IEC and ER/SOR the necessity of additional dolphin monitoring and any other potential mitigation measures; 3. Jointly submit with ET to IEC a proposal of additional dolphin monitoring and/or any other mitigation measures when necessary; 4. Implement the agreed additional dolphin monitoring and/or any other mitigation measures.

Appendix L5 Event and Action Plan on Dolphin Acoustic Behaviour

EVENT	ACTION			
	ET Leader	**IEC**	**SO**	**Contractor**
Action Level With the numerical values presented in *Table 5.7* of *Baseline Monitoring Report*, when any of the response variable for dolphin acoustic behaviour recorded in the construction phase monitoring is 20% lower or higher than that recorded in the baseline monitoring (see *Table 5.8* of *Baseline Monitoring Report*), or when there is a difference of 20% in dolphin acoustic signal detection at nighttime period at Site C1 only, the action level should be triggered	1. Repeat statistical data analysis to confirm findings; 2. Review all available and relevant data to ascertain if differences are as a result of natural variation or seasonal differences; 3. Identify source(s) of impact; 4. Inform the IEC, SO and Contractor; 5. Check monitoring data; 6. Carry out audit to ensure all dolphin protective measures are implemented fully and additional measures be proposed if necessary	1. Check monitoring data submitted by ET and Contractor; 2. Discuss monitoring with the ET and the Contractor;	1. Discuss with the IEC the repeat monitoring and any other measures proposed by the ET; 2. Make agreement on measures to be implemented.	1. Inform the SO and confirm notification of the non- compliance in writing; 2. Discuss with the ET and the IEC and propose measures to the IEC and the SO; 3. Implement the agreed measures.

EVENT	ACTION			
	ET Leader	**IEC**	**SO**	**Contractor**
Limit Level With the numerical values presented in Table 5.7 of *Baseline Monitoring Report*, when any of the response variable for dolphin acoustic behaviour recorded in the construction phase monitoring is 40% lower or higher than that recorded in the baseline monitoring (see Table 5.8 of *Baseline Monitoring Report*), or when there is a difference of 40% in dolphin acoustic signal detection at nighttime at Site C1 only, the limit level should be triggered	1. Repeat statistical data analysis to confirm findings; 2. Review all available and relevant data to ascertain if differences are as a result of natural variation or seasonal differences; 3. Identify source(s) of impact; 4. Inform the IEC, SO and Contractor; 5. Check monitoring data; 6. Carry out audit to ensure all dolphin protective measures are implemented fully and additional measures be proposed if necessary 7. Discuss additional dolphin monitoring and any other potential mitigation measures (eg consider to temporarily stop relevant portion of construction activity) with the IEC and Contractor.	1. Check monitoring data submitted by ET and Contractor; 2. Discuss monitoring with the ET and the Contractor; 3. Review proposals for additional monitoring and any other measures submitted by the Contractor and advise ER accordingly.	1. Discuss with the IEC the repeat monitoring and any other measures proposed by the ET; 2. Make agreement on measures to be implemented.	1. Inform the SO and confirm notification of the non- compliance in writing; 2. Discuss with the ET and the IEC and propose measures to the IEC and the SO; 3. Implement the agreed measures.

Abbreviations: ET – Environmental Team, IEC – Independent Environmental Checker, SO – Supervising Office, DEP – Director of Environmental Protection

Appendix M

Monthly Summary of Waste Flow Table

Contract No. : HY/2012/07
Tuen Mun Chek Lap Kok Link – Southern Connection Viaduct Section
Monthly Summary Waste Flow Table for 2015 (Year)

Month\Material	Actual Quantities of Inert C&D Materials Generation						Actual Quantities of C&D wastes Generation						Actual Quantities of Recyclables Generation			
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fills	Imported Fill	Marine Sediment, Cat. L	Marine Sediment, Cat. Mp	Marine Sediment, Cat. Mf	Marine Sediment, Cat. H	Chemical Waste	General Refuse	Metals	Felled trees	Paper/ cardboard packaging	Plastics
Unit	('000m^3)	('000m^3)	('000m^3)	('000m^3)	('000m^3)	('000m^3)	('000m^3)	('000m^3)	('000m^3)	('000m^3)	('000Kg)	('000Kg)	('000Kg)	('000Kg)	('000Kg)	('000Kg)
Jan	13.578	0.081	0.990	-	12.474	0.115	0.178	0.229	0.258	-	-	132.170	-	61.380	0.091	-
Feb	6.233	0.148	0.461	-	5.759	0.014	0.801	0.110	0.223	-	0.400	141.020	-	73.690	0.112	-
Mar	10.149	0.220	0.473	-	9.600	0.077	0.618	0.073	0.149	-	-	120.940	-	9.140	0.203	-
Apr	9.986	0.410	2.261	-	7.694	0.032	-	-	-	-	-	133.630	-	2.740	0.105	-
May	8.753	0.177	0.662	-	8.091	-	0.550	-	-	-	-	107.920	-	13.070	0.042	-
Jun	8.517	0.132	1.351	-	7.166	-	0.324	0.118	0.169	-	0.017	89.930	-	2.000	0.119	-
SUB-TOTAL	**57.217**	**1.168**	**6.197**	**-**	**50.782**	**0.238**	**2.471**	**0.530**	**0.799**	**-**	**0.417**	**725.610**	**-**	**162.020**	**0.672**	**-**
Jul	3.391	0.137	0.992	-	2.322	0.078	-	-	-	-	1.400	111.570	-	-	0.105	-
Aug	-	-	-	-	-	-	-	-	-	-	1.200	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	**60.608**	**1.306**	**7.188**	**-**	**53.104**	**0.316**	**2.471**	**0.530**	**0.799**	**-**	**3.017**	**837.180**	**-**	**162.020**	**0.777**	**-**

Notes :

1 - The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.

2 - Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material.

3 - Broken concrete for recycling into aggregates.

4 - Assumed 5 kg per damaged water-filled barrier.

5 - Disposed as Public Fills includes Hard Rock and Large Broken Concrete.

Appendix N

Cumulative Statistics on Exceedances, Complaints, Notifications of Summons and Successful Prosecutions

Appendix N1 Cumulative Statistics on Exceedances

		Total No. recorded in this reporting month	**Total No. recorded since project commencement**
1-Hr TSP	Action	0	0
	Limit	0	0
24-Hr TSP	Action	0	2
	Limit	0	0
Noise	Action	0	0
	Limit	0	0
Water Quality	Action	0	2
	Limit	0	0
Impact Dolphin Monitoring	Action	0	7
	Limit	0	2

Appendix N2 Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

Reporting Period	**Cumulative Statistics**		
	Complaints	Notifications of Summons	Successful Prosecutions
This Reporting Month (July 2015)	0	0	0
Total No. received since project commencement	3	0	0