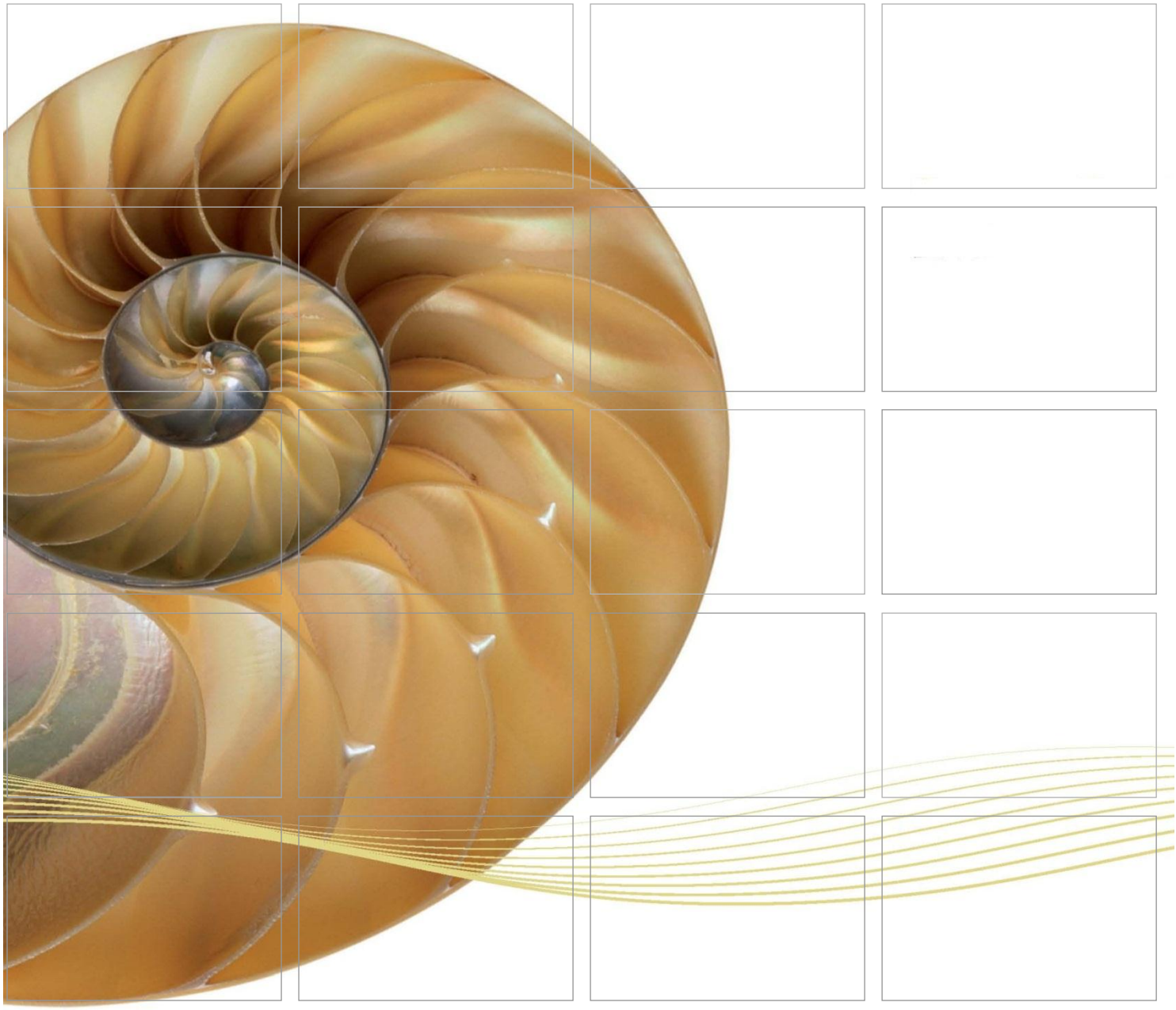
Report



Contract No. HY/2012/08
Tuen Mun – Chek Lap Kok Link – Northern Connection Sub-sea Tunnel Section

Ninth Monthly Environmental Monitoring & Audit (EM&A) Report

11 August 2014

Environmental Resources Management
16/F, Berkshire House
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Contract No. HY/2012/08
Tuen Mun – Chek Lap Kok Link – Northern Connection Sub-sea Tunnel Section

Ninth Monthly Environmental Monitoring & Audit (EM&A) Report

Document Code: 0212330_9th Monthly EM&A_20140811.doc

Environmental Resources Management

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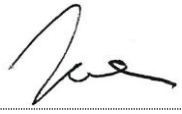
Client: DBJV	Project No: 0212330
Summary: This document presents the Ninth Monthly EM&A Report for Tuen Mun – Chek Lap Kok Link Northern Connection Sub-sea Tunnel Section.	Date: 11 August 2014 Approved by:  *Mr Craig Reid* *Partner* Certified by:  *Mr Jovy Tam* *ET Leader*

Revision	Description	By	Checked	Approved	Date
	9th Monthly EM&A Report	VAR	JT	CAR	11/08/14

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ENVIRON

Ref.: HYDHZMBEEM00_0_2126L.14 13 August 2014

AECOM By Fax (2293 6300) and By Post
Supervising Officer Representative's Office
No.8 Mong Fat Street, Tuen Mun,
New Territories, Hong Kong

Attention: Messrs. Edwin Ching / Andy Westmorelan

Dear Sirs,

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/2012/08 TM-CLKL Northern Connection Sub-sea Tunnel Section
Monthly EM&A Report for July 2014 (EP-354/2009/B)

Reference is made to the Monthly Environmental Monitoring and Audit (EM&A) Report (for July 2014) certified by the ET Leader (ET's ref.: "0212330_9th Monthly EM&A_20140811.doc" dated 11 August 2014) and provided to us via email on 13 August 2014.

We are pleased to inform you that 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/B.

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. C F Kwong (By Fax: 2670 2798)

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ENVIRON Hong Kong Limited 英環香港有限公司
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TABLE OF CONTENTS

Under *Contract No. HY/2012/08*, Dragages – Bouygues Joint Venture (DBJV) is commissioned by the Highways Department (HyD) to undertake the design and construction of the Northern Connection Sub-sea Tunnel 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) in accordance with *Environmental Permit No. EP-354/2009/A*. ENVIRON Hong Kong Ltd. was employed by HyD as the Independent Environmental Checker (IEC) and Environmental Project Office (ENPO). Another application for variation of environmental permit (VEP) (*EP-354/2009/B*) was granted on 28 January 2014.

The construction phase of the Project commenced on 1 November 2013 and will tentatively be completed by the end of 2018. The impact monitoring of the EM&A programme, including air quality, water quality, marine ecological monitoring and environmental site inspections, were commenced on 1 November 2013.

This is the Ninth Monthly EM&A report presenting the EM&A works carried out during the period from 1 to 31 July 2014 for the *Contract No. HY/2012/08 Northern Connection Sub-sea Tunnel Section* (the "Project") 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-based Works

- Dredging at Portion N-C;
- Reclamation filling at Portion N-B;
- Construction of Vertical Seawall and Sloping Seawall at Portion N-C;
- Marine Sheet Piling for Box Culvert extension at Portion N-A;
- Box Culvert extension – Backfilling and Tie Rod Installation at Portion N-A; and,
- Predrilling for Box Culvert Foundation at Portion N-A.

Land-based Works

- CLP Substation utilities works in Portion N6;
- Bored Piling in Portion N6;
- Pile Cap Construction in Portion N6;
- Construction of temporary access at Reclamation Area – Portion N-A; and,
- Diaphragm Wall Construction at Reclamation Area – Portion N-A.

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

24-hour TSP Monitoring	5 sessions
1-hour TSP Monitoring	5 sessions
Impact Water Quality Monitoring	12 sessions
Impact Dolphin Monitoring	2 sessions
Joint Environmental Site Inspection	5 sessions

Daily marine mammal exclusion zone monitoring was undertaken during the period of marine works. No sighting of the Indo-Pacific humpback dolphin *Sousa chinensis* was recorded in July 2014 during the exclusion zone monitoring.

Summary of Breaches of Action/Limit Levels

Breaches of Action and Limit Levels for Air Quality

No Action Level or Limit Level of air quality exceedances were recorded in the air quality monitoring of this reporting month.

Breaches of Action and Limit Levels for Water Quality

No Action Level or Limit Level of water quality exceedances were recorded in the water quality monitoring of this reporting month.

Dolphin Monitoring

During this month of dolphin monitoring, no unacceptable impact from the construction activities of the TM-CLKL Northern Connection Sub-sea Tunnel 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 unacceptable impacts on dolphins have been detected related to the construction activities of the TM-CLKL Northern Connection Sub-sea 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.

Post-Translocation Coral Monitoring

The Third Quarterly Post-Translocation Coral Monitoring was conducted on 24 July 2014 and results will be detailed in the *Third Quarterly Post-Translocation Coral Monitoring Report*.

Environmental Complaints, Non-compliance & Summons

No non-compliance with EIA recommendations, EP conditions and other requirements associated with the construction of this Contract was recorded in this reporting period.

No environmental complaint was received in this reporting period.

No environmental summons was received in this reporting period.

Reporting Change

There was no reporting change required in the reporting period.

Upcoming Works for the Next Reporting Month

Works to be undertaken in the next monitoring period of August 2014 include the following:

Marine-based Works

- Dredging at Portion N-C;
- Reclamation filling at Portion N-B;
- Vertical Seawall and Sloping Seawall construction at Portion N-C;
- Box Culvert extension – Backfilling & Tie Rod Installation at Portion N-A;
- Marine Sheet Piling for Box Culvert extension at Portion N-A; and,
- Predrilling for Box Culvert Foundation at Portion N-A.

Land-based Works

- CLP Substation utilities works at Portion N6;
- Bored Piling at Portion N6;
- Diaphragm Wall Construction at Reclamation Area – Portion N-A;
- Construction of temporary access at Reclamation Area – Portion N-A; and,
- Pile Cap Construction at Portion N6.

Future Key Issues

Potential environmental impacts arising from the above upcoming construction activities in the next reporting month of August 2014 are expected to be mainly associated with dust, marine water quality, marine ecology and waste management.

1 INTRODUCTION

1.1 BACKGROUND

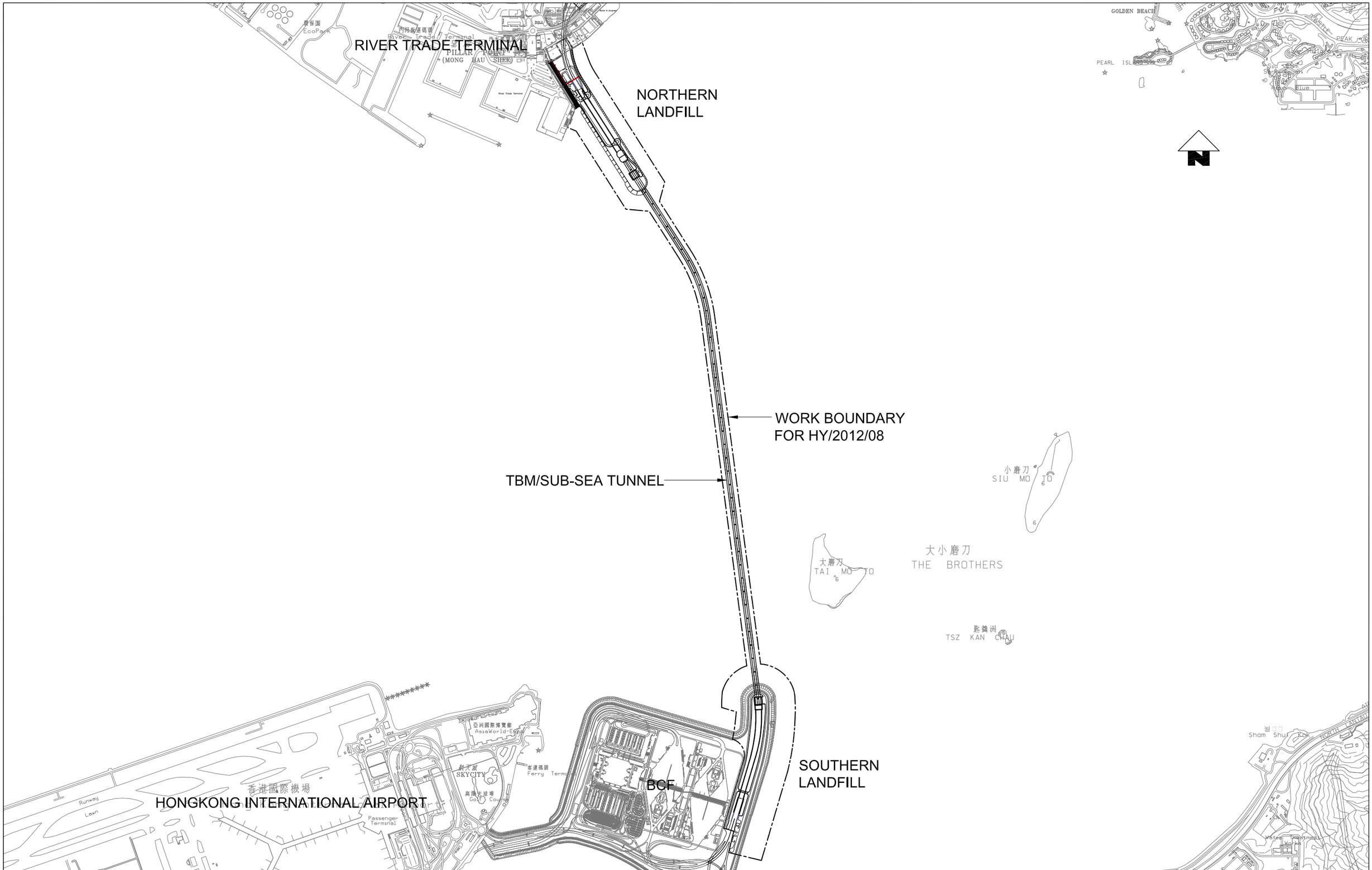
According to the findings of the Northwest New Territories (NWNT) Traffic and Infrastructure Review conducted by the Transport Department, Tuen Mun Road, Ting Kau Bridge, Lantau Link and North Lantau Highway would be operating beyond capacity after 2016. This forecast has been based on the estimated 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-145/2009), 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 (VEP) (EP-354/2009A) was issued on 8 December 2010. Another application for VEP (EP-354/2009/B) was granted on 28 January 2014.

Under *Contract No. HY/2012/08*, Dragages – Bouygues Joint Venture (DBJV) is commissioned by the Highways Department (HyD) to undertake the design and construction of the Northern Connection Sub-sea Tunnel Section of TM-CLKL 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). ENVIRON Hong Kong Ltd. was employed by HyD as the Independent Environmental Checker (IEC) and Environmental Project Office (ENPO).

Layout of the Contract components is presented in *Figure 1.1*.

The construction phase of the Contract commenced on 1 November 2013 and will tentatively be completed by 2018. The impact monitoring phase of the EM&A programme, including air quality, water quality, marine ecological monitoring and environmental site inspections, were commenced on 1 November 2013.



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A	FIRST ISSUE	11SEP13	PKV	Date	11SEP2013	Issue Status	DFT (DRAFT)
Rev.	Description	Date	Checked			Revision	A

Main Contractor: Dragages - Bouygues Joint Venture 實嘉 - 布依格聯營 (A member of the Bouygues Construction group)

Client: 路政署 HIGHWAYS DEPARTMENT

Contractor's Designer: ARUP Ove Arup & Partners Hong Kong Limited

Project: Contract No. HY/2012/08
Tuen Mun - Chek Lap Kok Link -
Northern Connection Sub-Sea Tunnel Section

Drawing Title: **Figure 1.1**

1.2 SCOPE OF REPORT

This is the Ninth Monthly EM&A Report under the *Contract No. HY/2012/08 Tuen Mun – Chek Lap Kok Link – Northern Connection Sub-sea Tunnel Section*. This report presents a summary of the environmental monitoring and audit works in July 2014.

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
Highways Department	Engr 16/HZMB	Kenneth Lee	2762 4996	3188 6614
SOR (AECOM Asia Company Limited)	Chief Resident Engineer	Edwin Ching	2293 6388	2293 6300
		Andrew Westmoreland	2293 6360	2293 6300
ENPO / IEC (ENVIRON Hong Kong Ltd.)	ENPO Leader	Y.H. Hui	3465 2888	3465 2899
	IEC	Dr. F.C. Tsang	3465 2828	3465 2899
Contractor (Dragages – Bouygues Joint Venture)	Environmental Manager	C.F. Kwong	2293 7322	2670 2798
	Environmental Officer	Bryan Lee	2293 7323	2670 2798
	24-hour complaint hotline	Rachel Lam	2293 7342	
ET (ERM-HK)	ET Leader	Jovy Tam	2271 3113	2723 5660

1.4 SUMMARY OF CONSTRUCTION WORKS

The construction phase of this Contract was commenced on 1 November 2013. The three-month rolling construction programme is shown in *Appendix B*.

As per DBJV's information, details of major construction works carried out in this reporting period are summarized in *Table 1.2*.

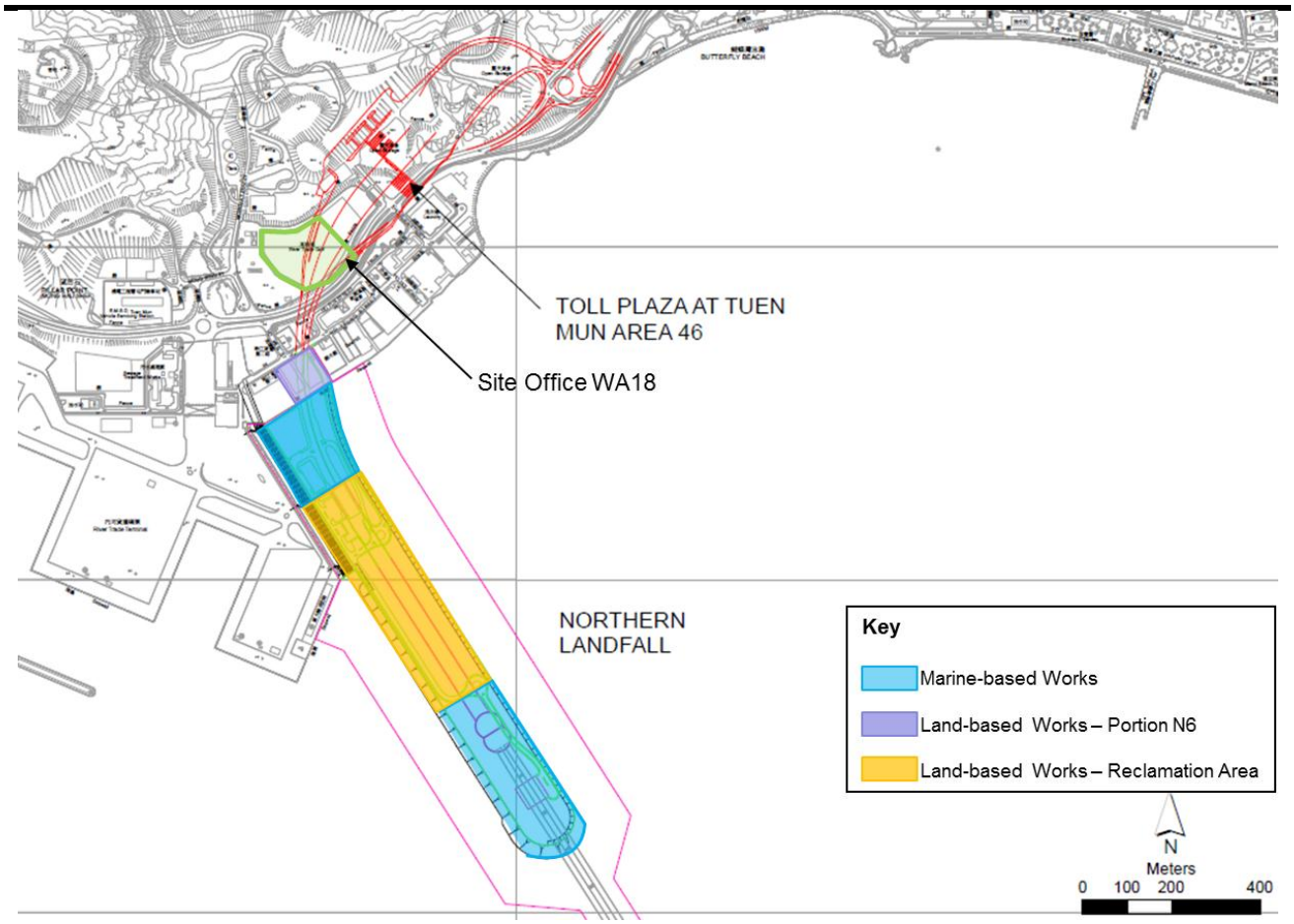
The general layout plan of the site showing the detailed works areas is shown in *Figure 1.2*. The Environmental Sensitive Receivers in the vicinity of the Project are shown in *Figure 1.3*.

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

Table 1.2 Summary of Construction Activities Undertaken during the Reporting Period

Construction Activities Undertaken
Marine-based Works
• Dredging at Portion N-C; • Reclamation filling at Portion N-B; • Construction of Vertical Seawall and Sloping Seawall at Portion N-C; • Marine Sheet Piling for Box Culvert extension at Portion N-A; • Box Culvert extension – Backfilling and Tie Rod Installation at Portion N-A; and, • Predrilling for Box Culvert Foundation at Portion N-A
Land-based Works
Portion N6 • CLP Substation utilities works; • Bored Piling; and, • Pile Cap Construction; Reclamation Area – Portion N-A • Construction of temporary access; and, • Diaphragm Wall Construction.

Figure 1.2 Locations of Construction Activities – July 2014



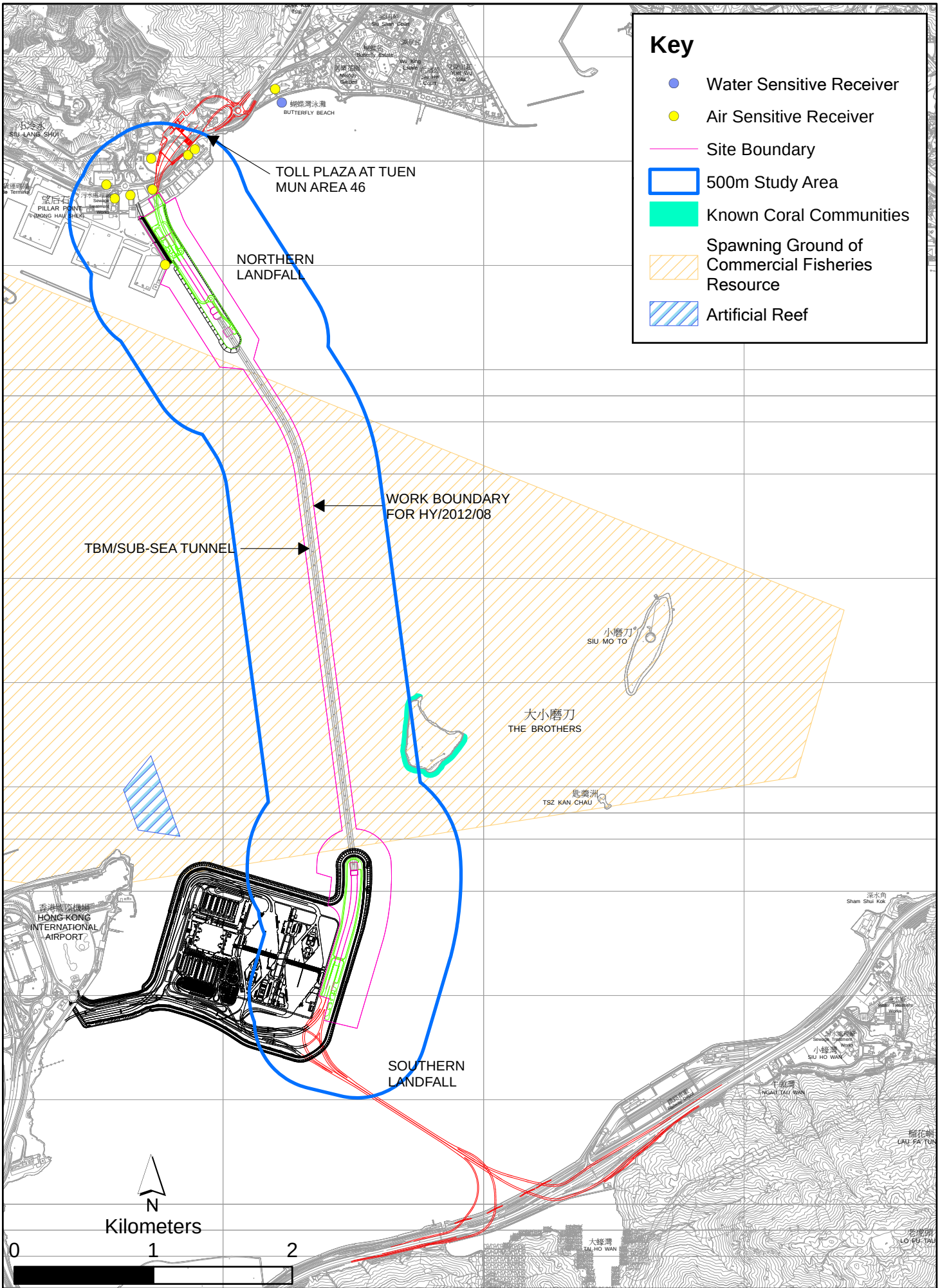


Figure 1.3 Environmental Sensitive Receivers in the vicinity of Contract No. HY/2012/08 Tuen Mun - Chek Lap Kok Link - Northern Connection Sub-Sea Tunnel Section

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Date: 15/4/2014

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2 EM&A RESULTS

The EM&A programme required environmental monitoring for air quality, 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 and the Enhanced TSP Monitoring Plan, 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.

High volume samplers (HVSs) were used to carry out the 1-hour and 24-hour TSP monitoring on 5, 11, 19, 23 and 29 July 2014 at the five (5) air quality monitoring stations in accordance with the requirements stipulated in the Updated EM&A Manual (*Figure 2.1*; *Table 2.1*). Wind meter was installed at the rooftop of ASR5 for logging wind speed and wind direction. Details of the equipment deployed are provided in *Table 2.2*. Copies of the calibration certificates for the equipment are presented in *Appendix E*.

Table 2.1 Locations of Impact Air Quality Monitoring Stations and Monitoring Dates in this Reporting Period

Monitoring Station	*Monitoring Dates	Location	Description	Parameters & Frequency
ASR1	5, 11, 19, 23 and 29 July 2014	Tuen Mun Fireboat Station	Office	• 1-hour Total Suspended Particulates (1-hour TSP, $\mu g/m^3$), 3 times in every 6 days
ASR5		Pillar Point Fire Station	Office	• 24-hour Total Suspended Particulates (24-hour TSP, $\mu g/m^3$), daily for 24-hour in every 6 days
AQMS1		Previous River Trade Golf	Bare ground	
ASR6		Butterfly Beach Laundry	Office	
ASR10		Butterfly Beach Park	Recreational uses	

*Note: Impact Air Quality Monitoring on 17 July 2014 was postponed to 19 July 2014 due to adverse weather conditions.

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 Meter	Davis (Model: Weather Wizard III (S/N: WE90911A30)
Wind Anemometer for calibration	Lutron (Model No. AM-4201)

2.1.2 Action & Limit Levels

The Action and Limit Levels of the air quality monitoring is provided in *Appendix D*. The Event and Action plan is presented in *Appendix K*.

2.1.3 Monitoring Schedule for the Reporting Month

The schedule for air quality monitoring in July 2014 is provided in *Appendix F*. The Impact Air Quality Monitoring on 17 July 2014 was postponed to 19 July 2014 due to adverse weather condition (Tropical Cyclone Signal).

2.1.4 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 and graphical presentations are presented in *Appendix G*.

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

Station	Average (µg/m³)	Range (µg/m³)	Action Level (µg/m³)	Limit Level (µg/m³)
ASR1	187	111 - 319	331	500
ASR5	153	111 - 239	340	500
AQMS1	84	58 - 143	335	500
ASR6	129	91 - 194	338	500
ASR10	81	56 - 109	337	500

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

Station	Average (µg/m³)	Range (µg/m³)	Action Level (µg/m³)	Limit Level (µg/m³)
ASR1	96	69 - 152	213	260
ASR5	81	60 - 109	238	260
AQMS1	56	41 - 85	213	260
ASR6	68	51 - 92	238	260
ASR10	50	45 - 63	214	260

The weather condition during the monitoring period varied from sunny to cloudy. The major dust sources in the reporting period include construction activities under the Contract as well as nearby traffic emissions.

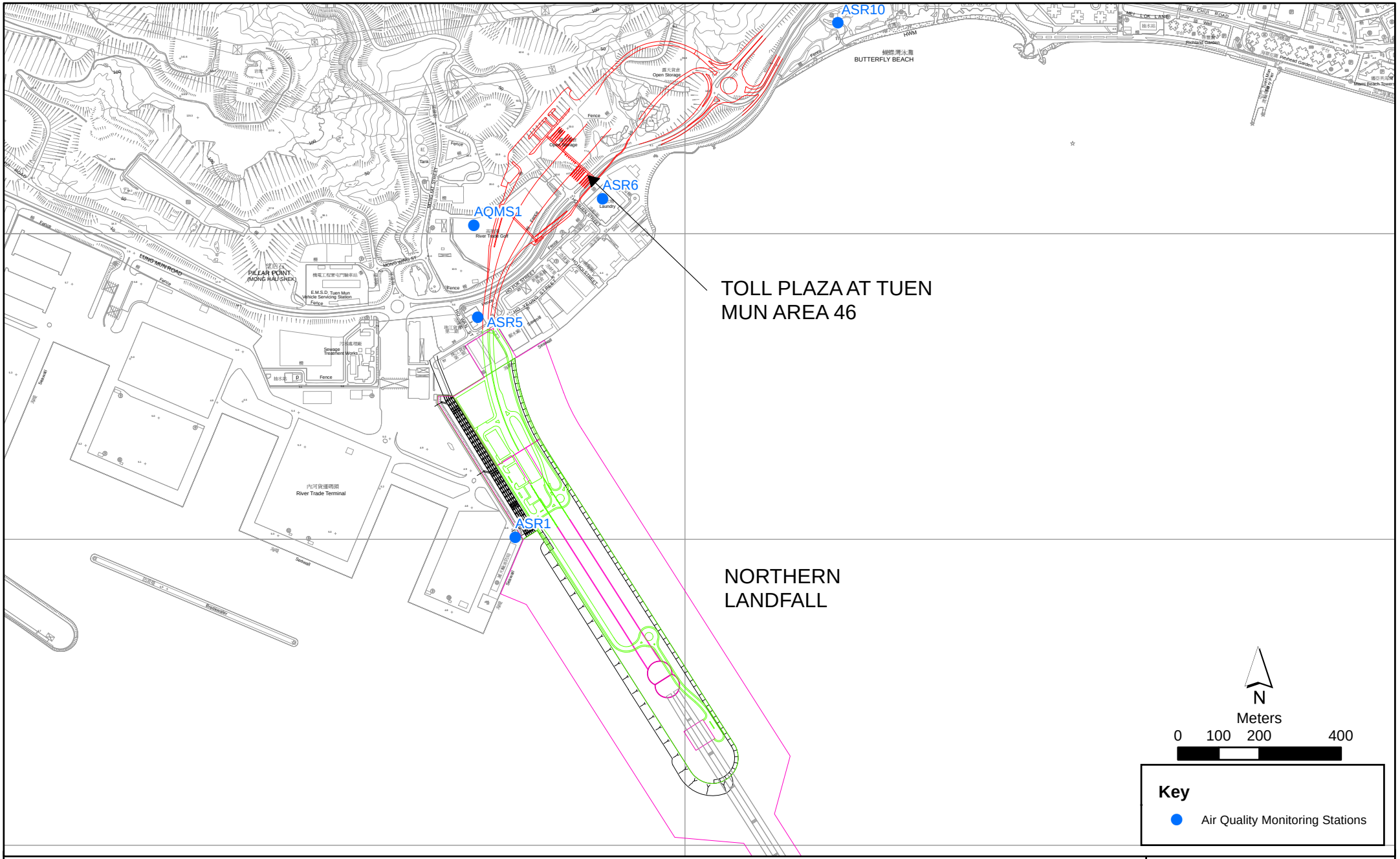

Figure 2.1

Air Quality Monitoring Stations for the Enhanced TSP Monitoring

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Date: 21/2/2014

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A total of five monitoring events were undertaken in which no Action Level or Limit Level exceedances of 1-hr TSP and 24-TSP was recorded in this reporting month.

Meteorological information collected at the ASR5, including wind speed and wind direction, is provided in *Appendix H*.

2.2 WATER QUALITY MONITORING

2.2.1 Monitoring Requirements & Equipment

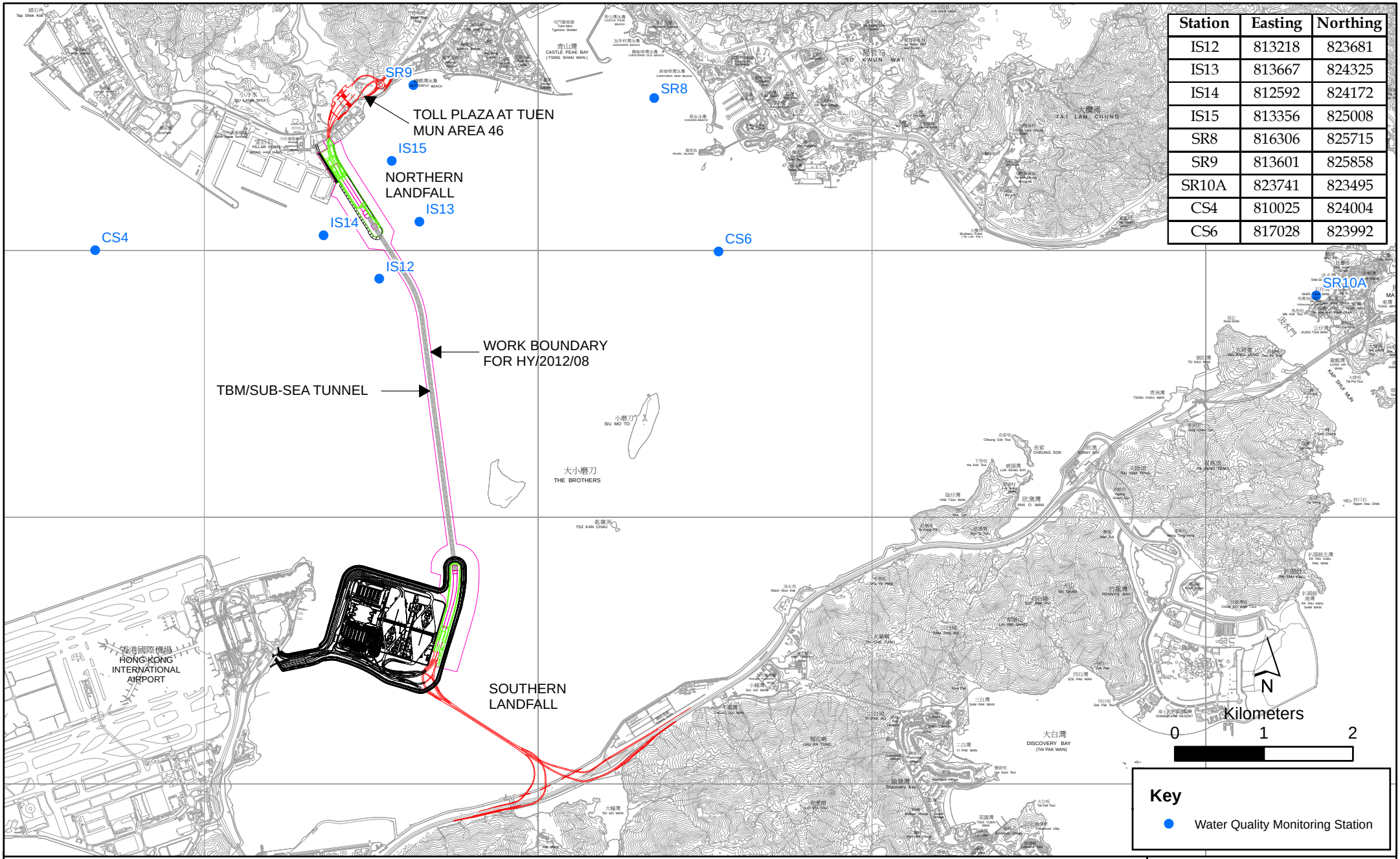
In accordance with the Updated EM&A Manual, impact water quality monitoring was carried out three days per week during the construction period at nine (9) water quality monitoring stations (*Figure 2.2*; *Table 2.5*).

Table 2.5 Locations of Water Quality Monitoring Stations and the Corresponding Monitoring Requirements

Station ID	Type	Coordinates		*Parameters, unit	Depth	Frequency
		Easting	Northing			
IS12	Impact Station	813218	823681	• Temperature(°C) • pH(pH unit) • Turbidity (NTU) • Water depth (m) • Salinity (ppt) • DO (mg/L and % of saturation) • SS (mg/L)	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.	Impact monitoring: 3 days per week, at mid-flood and mid-ebb tides during the construction period of the Contract.
IS13	Impact Station	813667	824325			
IS14	Impact Station	812592	824172			
IS15	Impact Station	813356	825008			
CS4	Control / Far Field Station	810025	824004			
CS6	Control / Far Field Station	817028	823992			
SR8	Sensitive receiver (Gazettal beaches in Tuen Mun)	816306	825715			
SR9	Sensitive receiver (Butterfly Beach)	813601	825858			
SR10A	Sensitive receiver (Ma Wan FCZ)	823741	823495			

*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 2.6 summarizes the equipment used in the impact water quality monitoring programme. Copies of the calibration certificates are attached in *Appendix E*.



Station	Easting	Northing
IS12	813218	823681
IS13	813667	824325
IS14	812592	824172
IS15	813356	825008
SR8	816306	825715
SR9	813601	825858
SR10A	823741	823495
CS4	810025	824004
CS6	817028	823992

Figure 2.2

Water Quality Monitoring Station

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Date: 15/11/2013

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Table 2.6 Water Quality Monitoring Equipment

Equipment	Model
Water Sampler	Kahlsico Water-Bottle Model 135DW 150
Dissolved Oxygen Meter	YSI Pro 2030
pH Meter	HANNA HI 8314
Turbidity Meter	HACH 2100Q
Monitoring Position Equipment	"Magellan" Handheld GPS Model explorist GC DGPS Koden KGP913MK2 (1)

2.2.2 *Action & Limit Levels*

The Action and Limit levels of water quality impact monitoring are shown in *Appendix D*. The Event and Action plan is presented in *Appendix K*.

2.2.3 *Monitoring Schedule for the Reporting Month*

The schedule for water quality monitoring in July 2014 is provided in *Appendix F.* No impact water quality monitoring was conducted on 18 July 2014 due to adverse weather conditions (Tropical Cyclone Signal).

2.2.4 *Results and Observations*

During this reporting period, major marine works included dredging at Portion N-C and reclamation filling at Portion N-B. A closed grab dredger was used and silt curtains were deployed during dredging works. The level of dredging activities was within the working rate described in the EP and the approved EIA Report. In addition, reclamation filling was undertaken between the 200 m of leading seawalls using filling materials specified in the EP and the approved EIA Report with a single layer silt curtain being deployed as a precautionary measure to reduce dispersion of suspended solids. It is useful to note that heavy marine traffic (not associated with the Project) was commonly observed nearby the Project site and its vicinity.

Impact water quality monitoring was conducted at all designated monitoring stations in the reporting month. Results and graphical presentations of impact water quality monitoring are presented in *Appendix I*.

In this reporting period, a total of twelve monitoring events were undertaken in which no Action Level or Limit Levels of exceedances for impact water quality monitoring was recorded.

2.3 DOLPHIN MONITORING

2.3.1 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.

2.3.2 Monitoring Equipment

Table 2.7 summarises the equipment used for the impact dolphin monitoring.

Table 2.7 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 Binocular	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

2.3.3 Monitoring Parameter, Frequencies & 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.

2.3.4 Monitoring Location

The impact dolphin monitoring was carried out in the NEL and NWL along the line transect as depicted in *Figure 2.3*. The co-ordinates of all transect lines are shown in *Table 2.8* below.

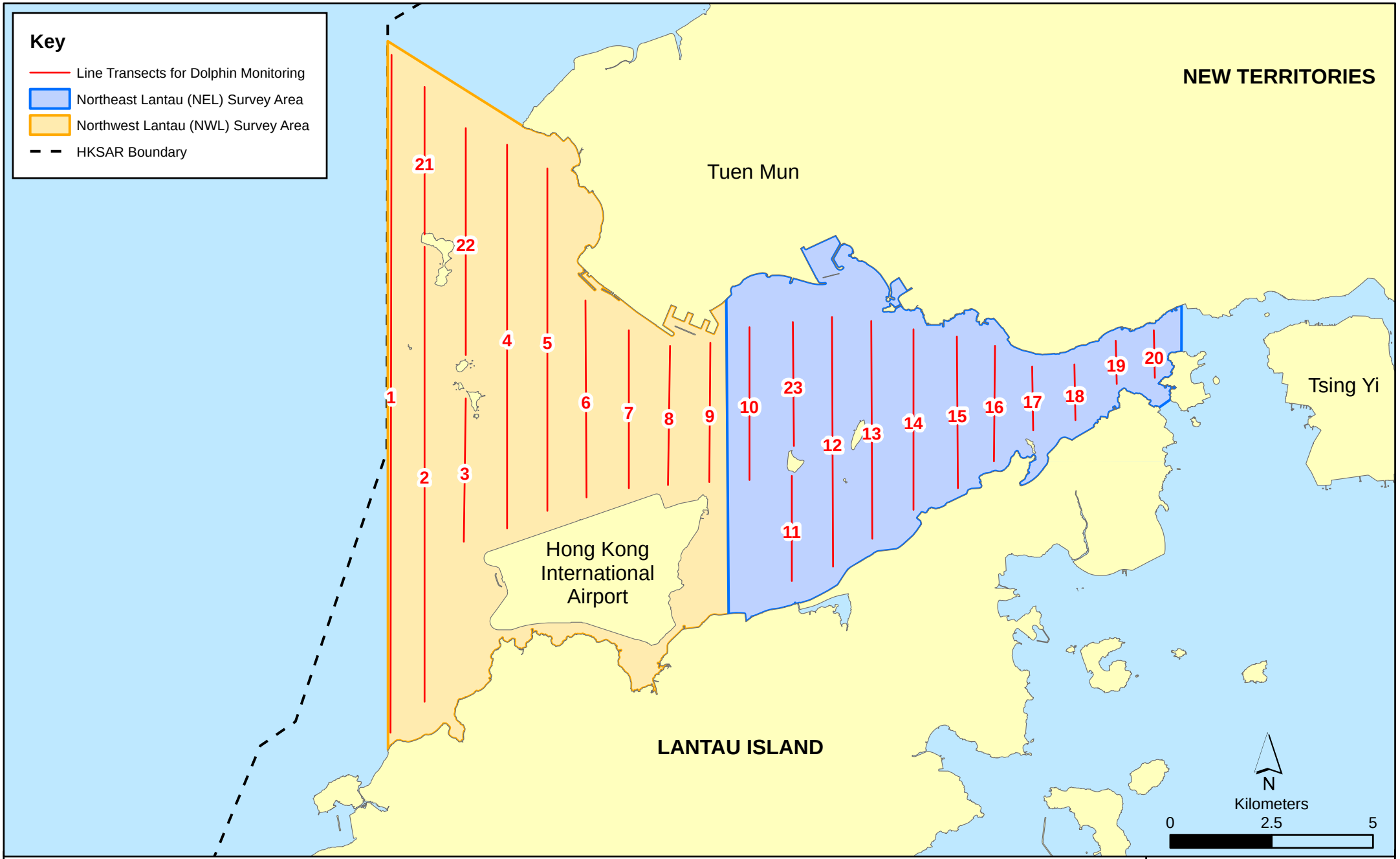

Figure 2.3

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

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Date: 29/11/2013

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Table 2.8 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				

2.3.5 Action & Limit Levels

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

2.3.6 *Monitoring Schedule for the Reporting Month*

Dolphin monitoring was carried out on 3, 9, 10, 14 and 21 July 2014. The dolphin monitoring schedule for the reporting month is shown in *Appendix F*.

2.3.7 *Results & Observations*

A total of 296.14 km of survey effort was collected, with 97.1% of the total survey effort being conducted under favourable weather conditions (ie Beaufort Sea State 3 or below with good visibility) in July 2014. Amongst the two areas, 111.30 km and 184.83 km of survey effort were collected from NEL and NWL survey areas, respectively. The total survey effort conducted on primary and secondary lines were 219.30 km and 76.84 km, respectively. The survey efforts are summarized in *Appendix J*.

A total of 12 groups of 41 Chinese White Dolphin sightings were recorded during the two sets of surveys in July 2014. All except one sighting were made in NWL during the two sets of surveys in July 2014, while only one group of four dolphins were sighted at NEL. Nine of the 12 sightings were made on primary lines during on-effort search, and none of the dolphin groups was associated with operating fishing vessel.

None of the sightings was made in the vicinity of the TM-CLKL Northern Connection Sub-sea Tunnel Section. The distribution of dolphin sightings during the reporting month is shown in *Figure 2.4*.

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 with good visibility) in July 2014 with the results present in *Tables 2.9* and *2.10*.

Table 2.9 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 3rd/9th/10th	2.5	10.2
	Set 2: July 14th/21st	0.0	0.0
NWL	Set 1: July 3rd/9th/10th	3.0	10.6
	Set 2: July 14th/21st	8.4	26.6

Note: Dolphin Encounter Rates are deduced from the Two Sets of Surveys (Two Surveys in Each Set) in July 2014 in Northeast (NEL) and Northwest Lantau (NWL)

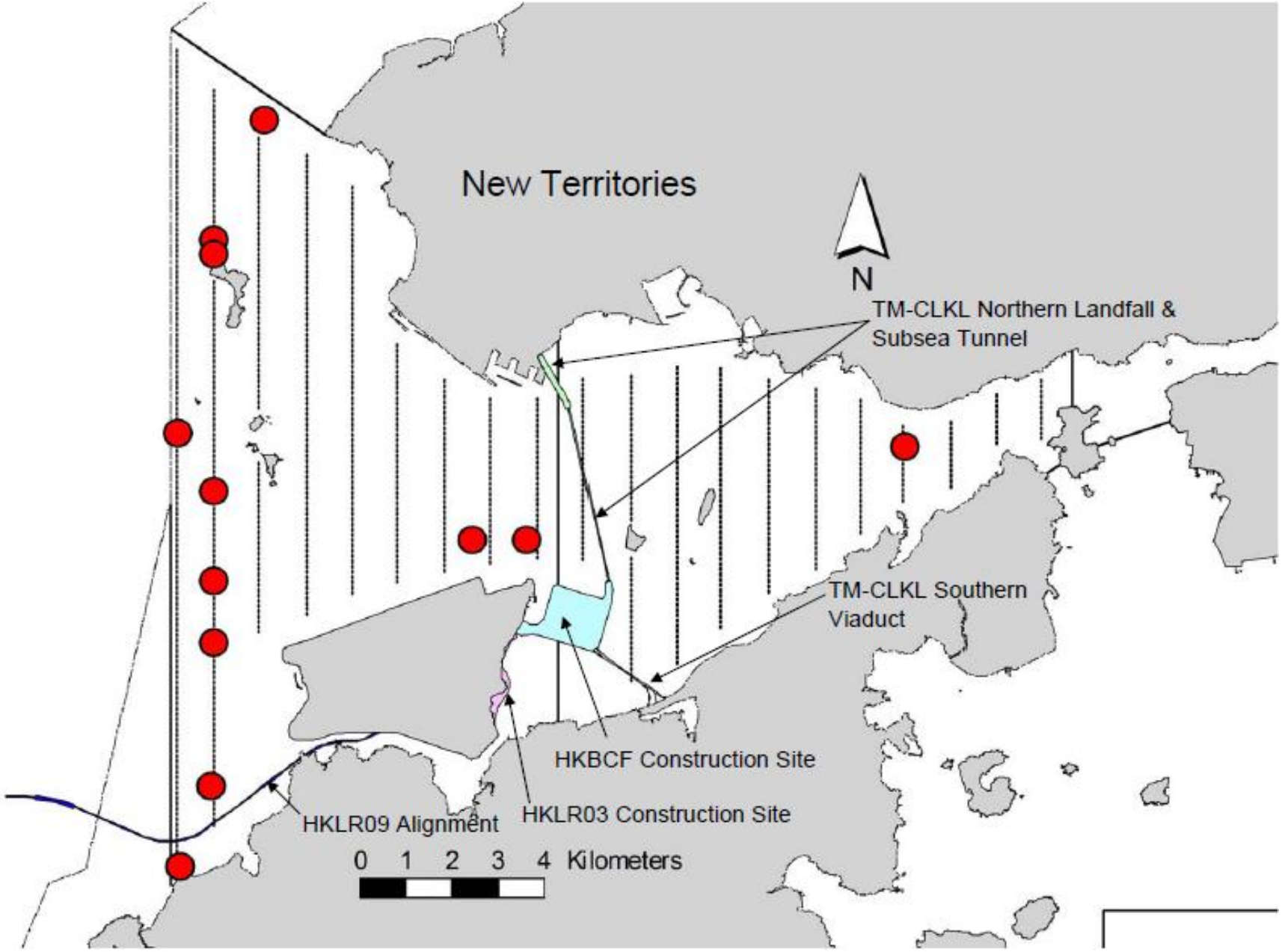

Figure 2.4

HY/2012/08 TM-CLKL Northern Connection Sub-sea Tunnel Section
The distribution of dolphin sightings during the reporting period
(Source: Adopted from HKLR03 Monitoring Survey in July 2014)

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Table 2.10 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	1.3	0.9	5.3	3.6
Northwest Lantau	5.8	5.6	18.9	18.6

Note: Overall dolphin encounter rates (sightings per 100 km of survey effort) from all four surveys are conducted in July 2014 on primary lines only as well as both primary lines and secondary lines in Northeast and Northwest Lantau.

The average group size of Chinese White Dolphins in July 2014 was 3.42 individuals per group. All dolphin groups were composed of 1 - 5 animals.

No unacceptable impact from the construction activities of the TM-CLKL Northern Connection Sub-sea Tunnel 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 survey area, it would be more appropriate to draw conclusion on whether any unacceptable impacts on dolphins have been detected related to the construction activities of this Project 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.

2.3.8 Marine Mammal Exclusion Zone Monitoring

Daily 250 m marine mammal exclusion zone monitoring was undertaken during the period of marine works under this Contract. No sighting of the Indo-Pacific humpback dolphin *Sousa chinensis* (i.e. Chinese White Dolphin) was recorded in July 2014 during the exclusion zone monitoring.

2.4 POST-TRANSLOCATION CORAL MONITORING

The Third Quarterly Post-Translocation Coral Monitoring was conducted on 24 July 2014 and results will be detailed in the *Third Quarterly Post-Translocation Coral Monitoring Report*.

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, 16, 23 and 30 July 2014.

Key observations and recommendations during the site inspections in this reporting period are summarized in *Table 2.11*.

Table 2.11 Specific Observations and Recommendations during the Weekly Site Inspection in this Reporting Month

Inspection Date	Observations	Recommendations/ Remarks
2 July 2014	Marine Works Area - Portion N-C • The remaining seawall block should be installed. Reclamation Area - Portion N-A • Drip tray should be maintained in good conditions.	Marine Works Area - Portion N-C • The Contractor was reminded to install the remaining seawall block. Reclamation Area - Portion N-A • The Contractor was reminded to conduct regular check for the capacity of drip tray.
9 July 2014	Reclamation Area - Portion N-A • Accumulated general refuse was observed. • Litter was presented in the water adjacent to the works site. • Drip tray should be provided to the chemical containers. Works Area - Portion N6 • Sedimentation tank should be maintained regularly.	Reclamation Area - Portion N-A • The Contractor was reminded to regularly clear the general refuse. • The Contractor was reminded to clean up litter more often. • The Contractor was reminded to provide drip tray to the chemical containers. Works Area - Portion N6 • The Contractor was reminded to clear the slurry in the sedimentation tank.
16 July 2014	Reclamation Area - Portion N-A • Wheel washing facilities should be maintained properly. • Excess muddy water was observed in the mud pit.	Reclamation Area - Portion N-A • The Contractor was reminded to clear the muddy water at the site entrance. • The Contractor was reminded to remove excess muddy water in the mud pit.
23 July 2014	Reclamation Area – Portion N-A • Accumulated muddy water was observed near the drainage. Marine Works Area - Portion N-A • Silt curtain should be maintained properly. Barge - GBFC • Excess water was observed in the drip tray.	Reclamation Area – Portion N-A • The Contractor was reminded to clear the muddy water near the drainage. Marine Works Area - Portion N-A • The Contractor was reminded to regularly maintain the silt curtain. Barge - GBFC • The Contractor was reminded to clear the excess water in the drip tray.
30 July 2014	Reclamation Area – Portion N-A • Accumulated litter was observed on water near the marine works area. Reclamation Works Area - Portion N-B • Silt curtain should be maintained properly. Reclamation Works Area - Portion N-A • Excess muddy water was observed near the site entrance.	Reclamation Area – Portion N-A • The Contractor was reminded to clear the accumulated litter. Reclamation Works Area - Portion N-B • The Contractor was reminded to regularly check and maintain the silt curtain. Reclamation Works Area - Portion N-A • The Contractor was reminded to remove excess muddy water near the site entrance.

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

2.6 *WASTE MANAGEMENT STATUS*

The Contractor had 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 and marine sediments (Category L and Category M). 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 2.12*.

Table 2.12 Quantities of Different Waste Generated in the Reporting Month

Month/Year	Inert Construction Waste [a] (tonnes)	Imported Fill (tonnes)	Inert Construction Waste Re-used (tonnes)	Non-inert Construction Waste [b] (tonnes)	Recyclable Materials [c] (kg)	Chemical Wastes (kg)	Marine Sediment (m^3)	
							Category L	Category M (M_p & M_f)
July 2014	14,405	428,392	0	33	300	0	37,950	7,150

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 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 2.13* below.

Table 2.13 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/B	28 January 2014	Throughout the Contract	HyD	Application for VEP on 20 January 2014 to replace EP-354/2009/A
Construction Dust Notification	363510	19 August 2013	Throughout the Contract	DBJV	-
Chemical Waste Registration	5213-422-D2516-01	10 September 2013	Throughout the Contract	DBJV	-
Construction Waste Disposal Account	7018108	19 August 2013	Throughout the Contract	DBJV	Waste disposal in Contract No. HY/2012/08
Waste Water Discharge License	WT00017707-2013	18 November 2013	30 November 2018	DBJV	For site WA18
Waste Water Discharge License	WT00018433-2014	5 June 2014	30 June 2019	DBJV	For site Portion N6 and Reclamation Area E
Construction Noise Permit	GW-RS0362-14	11 May 2014	10 November 2014	DBJV	For site WA23
Construction Noise Permit	GW-RW0223-14	29 March 2014	28 September 2014	DBJV	For Portion N6
Construction Noise Permit	GW-RW0234-14	29 March 2014	28 September 2014	DBJV	For Dredging and Reclamation Works
Construction Noise Permit	GW-RW0550-14	25 July 2014	24 January 2015	DBJV	For Dredging and Reclamation Works
Marine Dumping Permit	EP/MD/15-006	1 May 2014	31 October 2014	DBJV	For Type 1
Marine Dumping Permit	EP/MD/15-045	30 June 2014	29 July 2014	DBJV	For Type 1 (Dedicated site) and Type 2

Notes:
HyD = Highways Department
DBJV = Dragages – Bouygues Joint Venture
VEP = Variation of Environmental Permit

2.8 IMPLEMENTATION STATUS OF ENVIRONMENTAL MITIGATION MEASURES

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

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

2.9 SUMMARY OF EXCEEDANCES OF THE ENVIRONMENTAL QUALITY PERFORMANCE LIMIT

No Action Level or Limit Level exceedances were recorded in the air quality monitoring of this reporting month.

No Action Level or Limit Level exceedances were recorded in the water quality monitoring of this reporting month.

Cumulative statistics are provided in *Appendix L*.

2.10 SUMMARY OF COMPLAINTS, NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTIONS

The Environmental Complaint Handling Procedure is provided in *Figure 2.5*.

No complaints, notification of summons and prosecution were received in the reporting period.

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

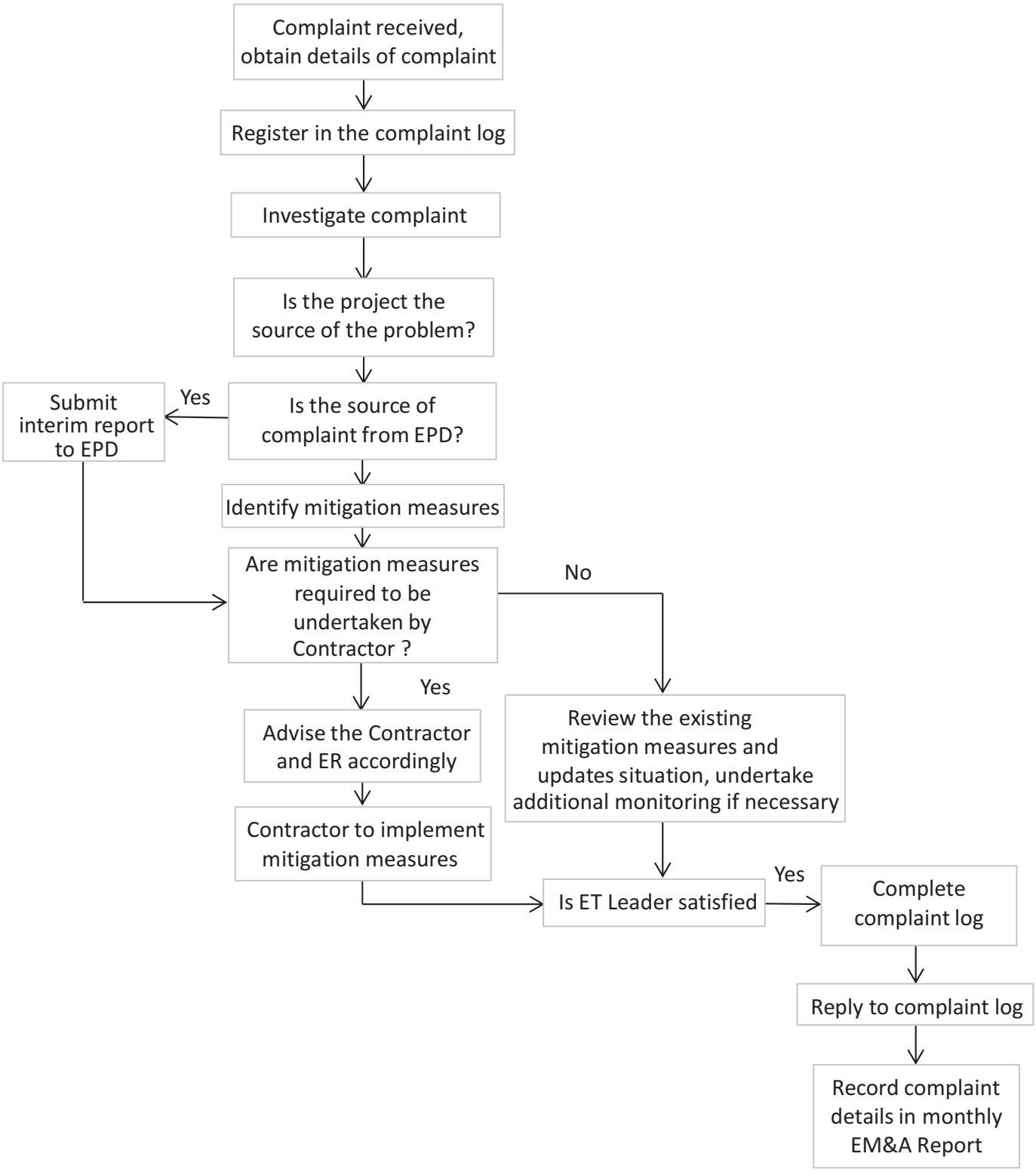

Figure 2.5 Environmental Complaint Handling Procedure

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3 FUTURE KEY ISSUES

3.1 CONSTRUCTION ACTIVITIES FOR THE COMING MONTH

As informed by the Contractor, the major works for the Project in August 2014 are summarized in *Table 3.1*.

Table 3.1 Construction Works to Be Undertaken in the Coming Month

Works to be undertaken
Marine-based Works
• Dredging at Portion N-C • Reclamation filling at Portion N-B • Vertical Seawall and Sloping Seawall construction at Portions N-C • Box Culvert extension – Backfilling & Tie Rod Installation at Portion N-A • Marine Sheet Piling for Box Culvert extension at Portion N-A • Predrilling for Box Culvert Foundation at Portion N-A
Land-based Works
Portion N6 • CLP Substation utilities works • Bored Piling • Pile Cap Construction Reclamation Area – Portion N-A • Diaphragm Wall Construction • Construction of Temporary Access

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 2014 are mainly associated with dust, marine water quality, marine ecology and waste management issues.

3.3 MONITORING SCHEDULE FOR THE COMING MONTH

The tentative schedule for environmental monitoring in August 2014 is provided in *Appendix F*.

4 CONCLUSIONS AND RECOMMENDATIONS

4.1 CONCLUSIONS

This Ninth Monthly EM&A Report presents the findings of the EM&A activities undertaken during the period from 1 to 31 July 2014, in accordance with the Updated EM&A Manual and the requirements of EP-354/2009/B.

Air quality (including 1-hour TSP and 24-hour TSP), water quality and dolphin monitoring were carried out in this reporting month. No Action Level or Limit Level exceedances were recorded in the air quality monitoring of this reporting month. No Action Level or Limit Level exceedances were recorded in the water quality monitoring of this reporting month. Nevertheless, the Contractor was reminded to ensure all dust mitigation measures are implemented at the construction site and the proper deployment of silt curtains during the period of marine works under this Contract.

A total of twelve (12) groups of forty-one (41) Chinese White Dolphin sightings were recorded during the two sets of surveys in July 2014. All except one sighting were made in NWL during the two sets of surveys in July 2014, while only one group of four dolphins was sighted at NEL. Nine of the 12 sightings were made on primary lines during on-effort search, and none of the dolphin groups was associated with operating fishing vessel. No unacceptable impact from the construction activities of the TM-CLKL Northern Connection Sub-sea Tunnel Section on Chinese White Dolphins was noticeable from general observations during the dolphin monitoring in this reporting month.

Environmental site inspection was carried out five (5) times in July 2014. Recommendations on remedial actions recommended for the deficiencies identified during the site audits were properly implemented by the Contractor.

No non-compliance event was recorded during the reporting period.

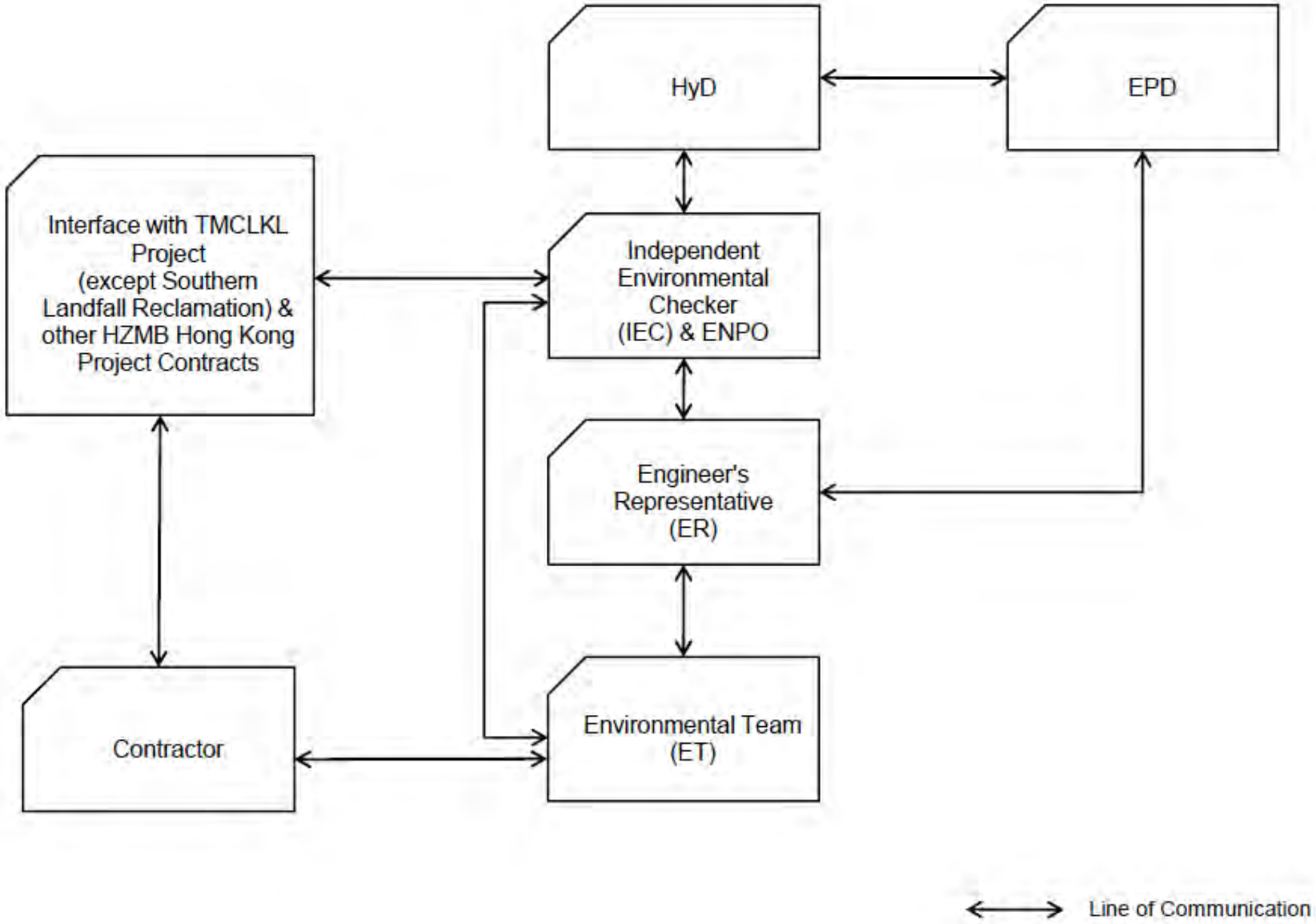
No complaint and summons/ prosecution was received during the reporting period.

No summons/ prosecution was received during 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/2012/08 Northern Connection Sub-sea Tunnel Section
Project Organization

DATE: 06/03/2013

Environmental Resources Management

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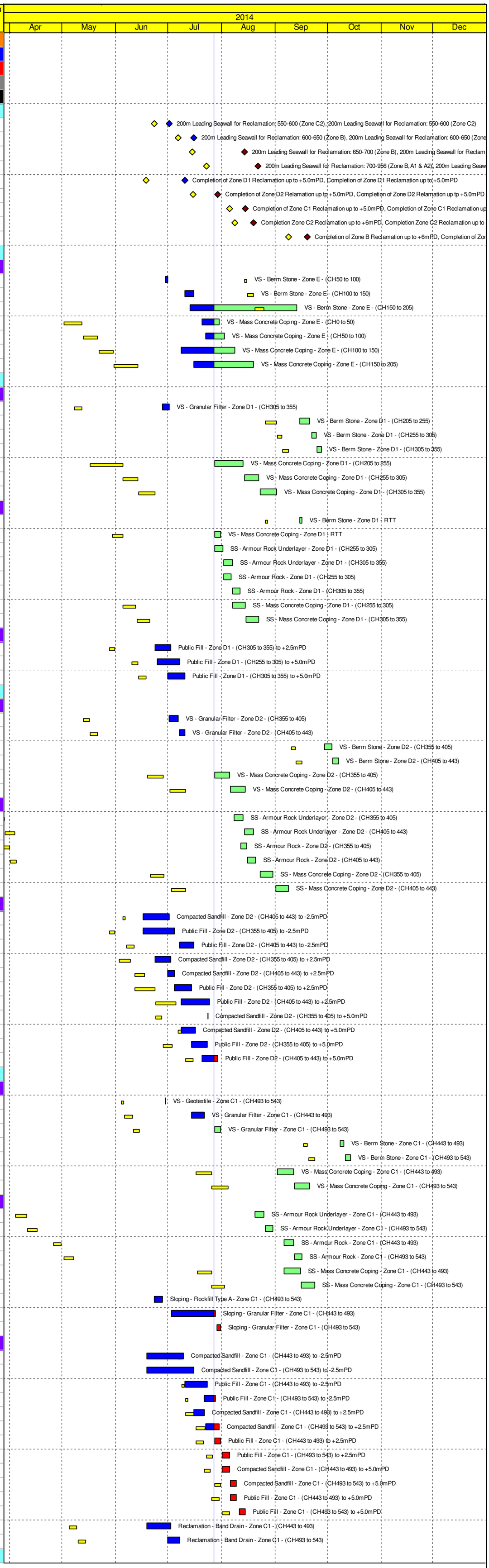
Appendix B

Three-Month Rolling Construction Programme

Activity ID	Activity Name	Orig Dur	Planned Start	Planned Finish	Current Start	Current Finish
TMCLK - Northern Connection Sub-Sea Tunnel Section		697	12-Mar-14	27-Jul-16	26-Mar-14 A	11-Apr-15
Construction		697	12-Mar-14	27-Jul-16	26-Mar-14 A	11-Apr-15
Northern Landfall		697	12-Mar-14	27-Jul-16	26-Mar-14 A	11-Apr-15
North Reclamation (Phase 1)		697	12-Mar-14	27-Jul-16	26-Mar-14 A	04-Apr-15
Construction		697	12-Mar-14	27-Jul-16	26-Mar-14 A	04-Apr-15
Milestones		69	18-Jun-14	08-Sep-14	02-Jul-14 A	19-Sep-14
NRC10110	200m Leading Seawall for Reclamation: 550-600 (Zone C2)	0	23-Jun-14		02-Jul-14 A	
NRC10120	200m Leading Seawall for Reclamation: 600-650 (Zone B)	0	07-Jul-14		16-Jul-14 A	
NRC10130	200m Leading Seawall for Reclamation: 650-700 (Zone B)	0	15-Jul-14		14-Aug-14	
NRC10140	200m Leading Seawall for Reclamation: 700-956 (Zone B, A1 & A2)	0	23-Jul-14		22-Aug-14	
NRC13150	Completion of Zone D1 Reclamation up to +5.0mPD	0		18-Jun-14		11-Jul-14 A
NRC13170	Completion of Zone D2 Relamation up tp +5.0mPD	0		15-Jul-14		29-Jul-14
NRC13190	Completion of Zone C1 Reclamation up to +5.0mPD	0		05-Aug-14		14-Aug-14
NRC13205	Completion Zone C2 Reclamation up to +6mPD	0		08-Aug-14		19-Aug-14
NRC13230	Completion of Zone B Reclamation up to +6mPD	0		08-Sep-14		19-Sep-14
Zone E		96	02-May-14	25-Aug-14	30-Jun-14 A	13-Sep-14
Vertical Seawall		96	02-May-14	25-Aug-14	30-Jun-14 A	13-Sep-14
NRC10450	VS - Berm Stone - Zone E - (CH50 to 100)	2	14-Aug-14	15-Aug-14	30-Jun-14 A	01-Jul-14 A
NRC10460	VS - Berm Stone - Zone E - (CH100 to 150)	3	16-Aug-14	19-Aug-14	11-Jul-14 A	16-Jul-14 A
NRC10470	VS - Berm Stone - Zone E - (CH150 to 205)	5	20-Aug-14	25-Aug-14	14-Jul-14 A	13-Sep-14
NRC10480	VS - Mass Concrete Coping - Zone E - (CH0 to 50)	8	02-May-14	12-May-14	21-Jul-14 A	30-Jul-14
NRC10490	VS - Mass Concrete Coping - Zone E - (CH50 to 100)	8	13-May-14	21-May-14	23-Jul-14 A	02-Aug-14
NRC10500	VS - Mass Concrete Coping - Zone E - (CH100 to 150)	8	22-May-14	30-May-14	09-Jul-14 A	08-Aug-14
NRC10510	VS - Mass Concrete Coping - Zone E - (CH150 to 205)	11	31-May-14	13-Jun-14	16-Jul-14 A	19-Aug-14
Zone D1		147	12-Mar-14	08-Sep-14	24-Jun-14 A	27-Sep-14
Vertical Seawall		104	08-May-14	08-Sep-14	28-Jun-14 A	27-Sep-14
NRC11280	VS - Granular Filter - Zone D1 - (CH305 to 355)	4	08-May-14	12-May-14	28-Jun-14 A	02-Jul-14 A
NRC11430	VS - Berm Stone - Zone D1 - (CH205 to 255)	6	26-Aug-14	01-Sep-14	15-Sep-14	20-Sep-14
NRC11500	VS - Berm Stone - Zone D1 - (CH255 to 305)	3	02-Sep-14	04-Sep-14	22-Sep-14	24-Sep-14
NRC11570	VS - Berm Stone - Zone D1 - (CH305 to 355)	3	05-Sep-14	08-Sep-14	25-Sep-14	27-Sep-14
NRC11720	VS - Mass Concrete Coping - Zone D1 - (CH205 to 255)	15	17-May-14	05-Jun-14	28-Jul-14*	13-Aug-14
NRC11790	VS - Mass Concrete Coping - Zone D1 - (CH255 to 305)	8	05-Jun-14	13-Jun-14	14-Aug-14	22-Aug-14
NRC11860	VS - Mass Concrete Coping - Zone D1 - (CH305 to 355)	8	14-Jun-14	23-Jun-14	23-Aug-14	01-Sep-14
Sloping Seawall		137	12-Mar-14	27-Aug-14	28-Jul-14	16-Sep-14
NRC1202080	VS - Berm Stone - Zone D1 - RTT	2	26-Aug-14	27-Aug-14	15-Sep-14	16-Sep-14
NRC1202090	VS - Mass Concrete Coping - Zone D1 - RTT	4	30-May-14	05-Jun-14	28-Jul-14	31-Jul-14
NRC13610	SS - Armour Rock Underlayer - Zone D1 - (CH255 to 305)	5	12-Mar-14	17-Mar-14	28-Jul-14	01-Aug-14
NRC13690	SS - Armour Rock Underlayer - Zone D1 - (CH305 to 355)	5	18-Mar-14	22-Mar-14	02-Aug-14	07-Aug-14
NRC14070	SS - Armour Rock - Zone D1 - (CH255 to 305)	4	18-Mar-14	21-Mar-14	02-Aug-14	06-Aug-14
NRC14080	SS - Armour Rock - Zone D1 - (CH305 to 355)	4	22-Mar-14	26-Mar-14	07-Aug-14	11-Aug-14
NRC14120	SS - Mass Concrete Coping - Zone D1 - (CH255 to 305)	7	05-Jun-14	12-Jun-14	07-Aug-14	14-Aug-14
NRC14130	SS - Mass Concrete Coping - Zone D1 - (CH305 to 355)	7	13-Jun-14	20-Jun-14	15-Aug-14	22-Aug-14
Reclamation		18	28-May-14	18-Jun-14	24-Jun-14 A	11-Jul-14 A
NRC13380	Public Fill - Zone D1 - (CH305 to 355) to +2.5mPD	4	28-May-14	31-May-14	24-Jun-14 A	03-Jul-14 A
NRC13430	Public Fill - Zone D1 - (CH255 to 305) to +5.0mPD	4	10-Jun-14	13-Jun-14	25-Jun-14 A	08-Jul-14 A
NRC13450	Public Fill - Zone D1 - (CH305 to 355) to +5.0mPD	4	14-Jun-14	18-Jun-14	01-Jul-14 A	11-Jul-14 A
Zone D2		143	24-Mar-14	16-Sep-14	17-Jun-14 A	07-Oct-14
Vertical Seawall		106	13-May-14	16-Sep-14	02-Jul-14 A	07-Oct-14
NRC11350	VS - Granular Filter - Zone D2 - (CH355 to 405)	4	13-May-14	16-May-14	02-Jul-14 A	07-Jul-14 A
NRC11390	VS - Granular Filter - Zone D2 - (CH405 to 443)	4	17-May-14	21-May-14	08-Jul-14 A	11-Jul-14 A
NRC11640	VS - Berm Stone - Zone D2 - (CH355 to 405)	3	10-Sep-14	12-Sep-14	29-Sep-14	03-Oct-14
NRC11680	VS - Berm Stone - Zone D2 - (CH405 to 443)	3	13-Sep-14	16-Sep-14	04-Oct-14	07-Oct-14
NRC11930	VS - Mass Concrete Coping - Zone D2 - (CH355 to 405)	8	19-Jun-14	28-Jun-14	28-Jul-14	05-Aug-14
NRC11980	VS - Mass Concrete Coping - Zone D2 - (CH405 to 443)	8	02-Jul-14	11-Jul-14	06-Aug-14	14-Aug-14
Sloping Seawall		86	24-Mar-14	11-Jul-14	08-Aug-14	08-Sep-14
NRC13770	SS - Armour Rock Underlayer - Zone D2 - (CH355 to 405)	5	24-Mar-14	28-Mar-14	08-Aug-14	13-Aug-14
NRC13880	SS - Armour Rock Underlayer - Zone D2 - (CH405 to 443)	5	29-Mar-14	03-Apr-14	14-Aug-14	19-Aug-14
NRC14090	SS - Armour Rock - Zone D2 - (CH355 to 405)	4	27-Mar-14	31-Mar-14	12-Aug-14	15-Aug-14
NRC14100	SS - Armour Rock - Zone D2 - (CH405 to 443)	4	01-Apr-14	04-Apr-14	16-Aug-14	20-Aug-14
NRC14140	SS - Mass Concrete Coping - Zone D2 - (CH355 to 405)	7	21-Jun-14	28-Jun-14	23-Aug-14	30-Aug-14
NRC14150	SS - Mass Concrete Coping - Zone D2 - (CH405 to 443)	7	03-Jul-14	11-Jul-14	01-Sep-14	08-Sep-14
Reclamation		40	28-May-14	15-Jul-14	17-Jun-14 A	29-Jul-14
NRC13500	Compacted Sandfill - Zone D2 - (CH405 to 443) to -2.5mPD	2	05-Jun-14	06-Jun-14	17-Jun-14 A	02-Jul-14 A
NRC13510	Public Fill - Zone D2 - (CH355 to 405) to -2.5mPD	4	28-May-14	31-May-14	17-Jun-14 A	05-Jul-14 A
NRC13520	Public Fill - Zone D2 - (CH405 to 443) to -2.5mPD	4	07-Jun-14	11-Jun-14	08-Jul-14 A	16-Jul-14 A
NRC13540	Compacted Sandfill - Zone D2 - (CH355 to 405) to +2.5mPD	6	03-Jun-14	09-Jun-14	24-Jun-14 A	03-Jul-14 A
NRC13550	Compacted Sandfill - Zone D2 - (CH405 to 443) to +2.5mPD	5	12-Jun-14	17-Jun-14	01-Jul-14 A	05-Jul-14 A
NRC13560	Public Fill - Zone D2 - (CH355 to 405) to +2.5mPD	10	12-Jun-14	23-Jun-14	05-Jul-14 A	15-Jul-14 A
NRC13570	Public Fill - Zone D2 - (CH405 to 443) to +2.5mPD	10	24-Jun-14	05-Jul-14	09-Jul-14 A	25-Jul-14 A
NRC13580	Compacted Sandfill - Zone D2 - (CH355 to 405) to +5.0mPD	4	24-Jun-14	27-Jun-14	24-Jul-14 A	24-Jul-14 A
NRC13590	Compacted Sandfill - Zone D2 - (CH405 to 443) to +5.0mPD	4	07-Jul-14	10-Jul-14	09-Jul-14 A	17-Jul-14 A
NRC13600	Public Fill - Zone D2 - (CH355 to 405) to +5.0mPD	4	28-Jun-14	03-Jul-14	15-Jul-14 A	24-Jul-14 A
NRC13620	Public Fill - Zone D2 - (CH405 to 443) to +5.0mPD	4	11-Jul-14	15-Jul-14	21-Jul-14 A	29-Jul-14
Zone C1		157	14-Mar-14	23-Sep-14	19-Jun-14 A	14-Oct-14
Vertical Seawall		94	04-Jun-14	23-Sep-14	30-Jun-14 A	14-Oct-14
NRC14620	VS - Geotextile - Zone C1 - (CH493 to 543)	2	04-Jun-14	05-Jun-14	30-Jun-14 A	30-Jun-14 A
NRC14640	VS - Granular Filter - Zone C1 - (CH443 to 493)	4	06-Jun-14	10-Jun-14	15-Jul-14 A	22-Jul-14 A
NRC14650	VS - Granular Filter - Zone C1 - (CH493 to 543)	4	11-Jun-14	14-Jun-14	28-Jul-14	31-Jul-14
NRC14670	VS - Berm Stone - Zone C1 - (CH443 to 493)	3	17-Sep-14	19-Sep-14	08-Oct-14	10-Oct-14
NRC14680	VS - Berm Stone - Zone C1 - (CH493 to 543)	3	20-Sep-14	23-Sep-14	11-Oct-14	14-Oct-14
NRC14700	VS - Mass Concrete Coping - Zone C1 - (CH443 to 493)	8	17-Jul-14	26-Jul-14	02-Sep-14	11-Sep-14
NRC14710	VS - Mass Concrete Coping - Zone C1 - (CH493 to 543)	8	26-Jul-14	04-Aug-14	12-Sep-14	20-Sep-14
Sloping Seawall		114	14-Mar-14	02-Aug-14	23-Jun-14 A	23-Sep-14
NRC14820	SS - Armour Rock Underlayer - Zone C1 - (CH443 to 493)	5	04-Apr-14	10-Apr-14	20-Aug-14	25-Aug-14
NRC14830	SS - Armour Rock Underlayer - Zone C1 - (CH493 to 543)	5	11-Apr-14	16-Apr-14	26-Aug-14	30-Aug-14
NRC14850	SS - Armour Rock - Zone C1 - (CH443 to 493)	4	26-Apr-14	30-Apr-14	06-Sep-14	11-Sep-14
NRC14860	SS - Armour Rock - Zone C1 - (CH493 to 543)	4	02-May-14	07-May-14	12-Sep-14	16-Sep-14
NRC14880	SS - Mass Concrete Coping - Zone C1 - (CH443 to 493)	7	18-Jul-14	26-Jul-14	06-Sep-14	15-Sep-14
NRC14890	SS - Mass Concrete Coping - Zone C1 - (CH493 to 543)	7	26-Jul-14	02-Aug-14	16-Sep-14	23-Sep-14
NRC14920	Sloping - Rockfill Type A- Zone C1 - (CH493 to 543)	1	14-Mar-14	14-Mar-14	23-Jun-14 A	28-Jun-14 A
NRC14970	Sloping - Granular Filter - Zone C1 - (CH443 to 493)	3	17-Mar-14	19-Mar-14	03-Jul-14 A	28-Jul-14
NRC14980	Sloping - Granular Filter - Zone C1 - (CH493 to 543)	3	20-Mar-14	22-Mar-14	29-Jul-14	31-Jul-14
Reclamation		77	05-May-14	05-Aug-14	19-Jun-14 A	14-Aug-14
NRC13650	Compacted Sandfill - Zone C1 - (CH443 to 493) to -2.5mPD	2	07-Jul-14	08-Jul-14	19-Jun-14 A	10-Jul-14 A
NRC13660	Compacted Sandfill - Zone C1 - (CH493 to 543) to -2.5mPD	2	09-Jul-14	10-Jul-14	19-Jun-14 A	16-Jul-14 A
NRC13670	Public Fill - Zone C1 - (CH443 to 493) to -2.5mPD	2	09-Jul-14	10-Jul-14	11-Jul-14 A	24-Jul-14 A
NRC13680	Public Fill - Zone C1 - (CH493 to 543) to -2.5mPD	2	11-Jul-14	12-Jul-14	22-Jul-14 A	28-Jul-14
NRC13700	Compacted Sandfill - Zone C1 - (CH443 to 493) to +2.5mPD	5	11-Jul-14	16-Jul-14	16-Jul-14 A	22-Jul-14 A
NRC13710	Compacted Sandfill - Zone C1 - (CH493 to 543) to +2.5mPD	5	17-Jul-14	22-Jul-14	23-Jul-14 A	30-Jul-14
NRC13720	Public Fill - Zone C1 - (CH443 to 493) to +2.5mPD	4	17-Jul-14	21-Jul-14	28-Jul-14	31-Jul-14
NRC13730	Public Fill - Zone C1 - (CH493 to 543) to +2.5mPD	4	23-Jul-14	26-Jul-14	01-Aug-14	05-Aug-14
NRC13740	Compacted Sandfill - Zone C1 - (CH443 to 493) to +5.0mPD	4	22-Jul-14	25-Jul-14	01-Aug-14	05-Aug-14
NRC13750	Compacted Sandfill - Zone C1 - (CH493 to 543) to +5.0mPD	4	28-Jul-14	31-Jul-14	06-Aug-14	09-Aug-14
NRC13760	Public Fill - Zone C1 - (CH443 to 493) to +5.0mPD	4	26-Jul-14	30-Jul-14	06-Aug-14	09-Aug-14
NRC13780	Public Fill - Zone C1 - (CH493 to 543) to +5.0mPD	4	01-Aug-14	05-Aug-14	11-Aug-14	14-Aug-14
NRC15060	Reclamation - Band Drain - Zone C1 - (CH443 to 493)	4	05-May-14	09-May-14	19-Jun-14 A	03-Jul-14 A
NRC15070	Reclamation - Band Drain - Zone C1 - (CH493 to 543)	4	10-May-14	14-May-14	01-Jul-14 A	08-Jul-14 A
Zone C2		152	24-Mar-14	26-Sep-14	05-May-14 A	17-Oct-14



Current Bar
Current Bar - Critical
Planned Bar
Planned Milestone
Current Milestone
Progress Milestone
Progress Bar

TMCLK - Northern Connection Sub-Sea Tunnel Section

3-Months Rolling Programme - Construction

As of 28-Jul-14 Progress

香港寶嘉 Dragages HongKong

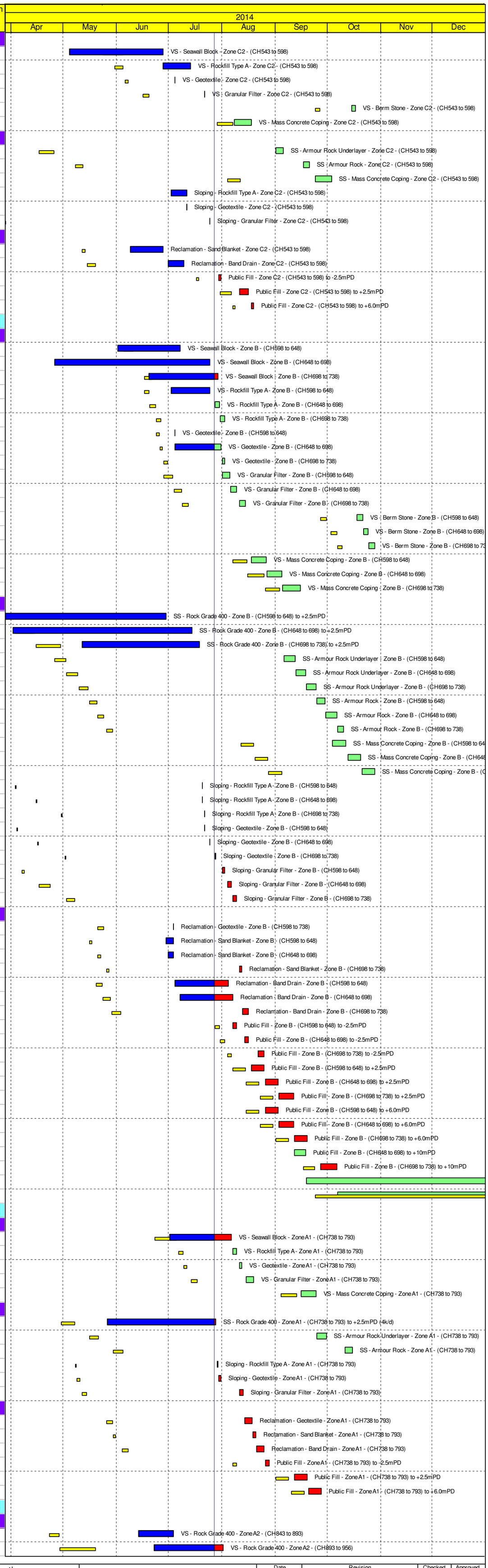
A member of the Bouygues Construction group

BOUYGUES TRAVAUX PUBLICS

Dragages - Bouygues Joint Venture 寶嘉 - 布依格聯營

Date	Revision	Checked	Approved
12-Feb-14	TMCLK/DBJ/GEN/PRG/98507	SPa	WYu

Activity ID	Activity Name	Orig Dur	Planned Start	Planned Finish	Current Start	Current Finish
Vertical Seawall		105	24-May-14	26-Sep-14	05-May-14 A	17-Oct-14
NRC14570	VS - Seawall Block - Zone C2 - (CH543 to 598)	9	24-May-14	04-Jun-14	05-May-14 A	28-Jun-14 A
NRC14600	VS - Rockfill Type A- Zone C2 - (CH543 to 598)	3	31-May-14	04-Jun-14	28-Jun-14 A	14-Jul-14 A
NRC14630	VS - Geotextile - Zone C2 - (CH543 to 598)	2	06-Jun-14	07-Jun-14	05-Jul-14 A	05-Jul-14 A
NRC14660	VS - Granular Filter - Zone C2 - (CH543 to 598)	4	16-Jun-14	19-Jun-14	22-Jul-14 A	22-Jul-14 A
NRC14690	VS - Berm Stone - Zone C2 - (CH543 to 598)	3	24-Sep-14	26-Sep-14	15-Oct-14	17-Oct-14
NRC14720	VS - Mass Concrete Coping - Zone C2 - (CH543 to 598)	8	29-Jul-14	07-Aug-14	08-Aug-14	18-Aug-14
Sloping Seawall		113	24-Mar-14	11-Aug-14	03-Jul-14 A	03-Oct-14
NRC14840	SS - Armour Rock Underlayer - Zone C2 - (CH543 to 598)	5	17-Apr-14	25-Apr-14	01-Sep-14	05-Sep-14
NRC14870	SS - Armour Rock - Zone C2 - (CH543 to 598)	4	08-May-14	12-May-14	17-Sep-14	20-Sep-14
NRC14900	SS - Mass Concrete Coping - Zone C2 - (CH543 to 598)	7	04-Aug-14	11-Aug-14	24-Sep-14	03-Oct-14
NRC14930	Sloping - Rockfill Type A- Zone C2 - (CH543 to 598)	1	24-Mar-14	24-Mar-14	03-Jul-14 A	12-Jul-14 A
NRC14960	Sloping - Geotextile - Zone C2 - (CH543 to 598)	1	25-Mar-14	25-Mar-14	12-Jul-14 A	12-Jul-14 A
NRC14990	Sloping - Granular Filter - Zone C2 - (CH543 to 598)	3	26-Mar-14	28-Mar-14	25-Jul-14 A	25-Jul-14 A
Reclamation		75	12-May-14	08-Aug-14	09-Jun-14 A	19-Aug-14
NRC15050	Reclamation - Sand Blanket - Zone C2 - (CH543 to 598)	2	12-May-14	13-May-14	09-Jun-14 A	28-Jun-14 A
NRC15080	Reclamation - Band Drain - Zone C2 - (CH543 to 598)	4	15-May-14	19-May-14	01-Jul-14 A	10-Jul-14 A
NRC15090	Public Fill - Zone C2 - (CH543 to 598) to -2.5mPD	2	17-Jul-14	18-Jul-14	30-Jul-14	31-Jul-14
NRC15100	Public Fill - Zone C2 - (CH543 to 598) to +2.5mPD	6	31-Jul-14	06-Aug-14	11-Aug-14	16-Aug-14
NRC15110	Public Fill - Zone C2 - (CH543 to 598) to +6.0mPD	2	07-Aug-14	08-Aug-14	18-Aug-14	19-Aug-14
Zone B		687	24-Mar-14	27-Jul-16	26-Mar-14 A	04-Apr-15
Vertical Seawall		105	05-Jun-14	09-Oct-14	26-Apr-14 A	28-Oct-14
NRC11220	VS - Seawall Block - Zone B - (CH598 to 648)	5	05-Jun-14	10-Jun-14	02-Jun-14 A	08-Jul-14 A
NRC11230	VS - Seawall Block - Zone B - (CH648 to 698)	5	11-Jun-14	16-Jun-14	26-Apr-14 A	25-Jul-14 A
NRC11240	VS - Seawall Block - Zone B - (CH698 to 738)	5	17-Jun-14	21-Jun-14	20-Jun-14 A	29-Jul-14
NRC11250	VS - Rockfill Type A- Zone B - (CH598 to 648)	3	17-Jun-14	19-Jun-14	03-Jul-14 A	25-Jul-14 A
NRC11260	VS - Rockfill Type A- Zone B - (CH648 to 698)	3	20-Jun-14	23-Jun-14	28-Jul-14	30-Jul-14
NRC11270	VS - Rockfill Type A- Zone B - (CH698 to 738)	3	24-Jun-14	26-Jun-14	31-Jul-14	02-Aug-14
NRC11290	VS - Geotextile - Zone B - (CH598 to 648)	2	24-Jun-14	25-Jun-14	05-Jul-14 A	05-Jul-14 A
NRC11300	VS - Geotextile - Zone B - (CH648 to 698)	2	26-Jun-14	27-Jun-14	05-Jul-14 A	31-Jul-14
NRC11310	VS - Geotextile - Zone B - (CH698 to 738)	2	28-Jun-14	30-Jun-14	01-Aug-14	02-Aug-14
NRC11320	VS - Granular Filter - Zone B - (CH598 to 648)	4	28-Jun-14	03-Jul-14	01-Aug-14	05-Aug-14
NRC11330	VS - Granular Filter - Zone B - (CH648 to 698)	4	04-Jul-14	08-Jul-14	06-Aug-14	09-Aug-14
NRC11340	VS - Granular Filter - Zone B - (CH698 to 738)	4	09-Jul-14	12-Jul-14	11-Aug-14	14-Aug-14
NRC11360	VS - Berm Stone - Zone B - (CH598 to 648)	3	27-Sep-14	30-Sep-14	18-Oct-14	21-Oct-14
NRC11370	VS - Berm Stone - Zone B - (CH648 to 698)	3	03-Oct-14	06-Oct-14	22-Oct-14	24-Oct-14
NRC11380	VS - Berm Stone - Zone B - (CH698 to 738)	3	07-Oct-14	09-Oct-14	25-Oct-14	28-Oct-14
NRC11400	VS - Mass Concrete Coping - Zone B - (CH598 to 648)	8	07-Aug-14	15-Aug-14	18-Aug-14	26-Aug-14
NRC11410	VS - Mass Concrete Coping - Zone B - (CH648 to 698)	8	16-Aug-14	25-Aug-14	27-Aug-14	04-Sep-14
NRC11420	VS - Mass Concrete Coping - Zone B - (CH698 to 738)	8	26-Aug-14	03-Sep-14	05-Sep-14	15-Sep-14
Sloping Seawall		134	24-Mar-14	04-Sep-14	26-Mar-14 A	28-Oct-14
NRC11470	SS - Rock Grade 400 - Zone B - (CH598 to 648) to +2.5mPD	9	24-Mar-14	02-Apr-14	26-Mar-14 A	30-Jun-14 A
NRC11480	SS - Rock Grade 400 - Zone B - (CH648 to 698) to +2.5mPD	9	03-Apr-14	14-Apr-14	02-Apr-14 A	15-Jul-14 A
NRC11490	SS - Rock Grade 400 - Zone B - (CH698 to 738) to +2.5mPD	10	15-Apr-14	29-Apr-14	12-May-14 A	19-Jul-14 A
NRC11540	SS - Armour Rock Underlayer - Zone B - (CH598 to 648)	5	26-Apr-14	02-May-14	06-Sep-14	12-Sep-14
NRC11550	SS - Armour Rock Underlayer - Zone B - (CH648 to 698)	5	03-May-14	09-May-14	13-Sep-14	18-Sep-14
NRC11560	SS - Armour Rock Underlayer - Zone B - (CH698 to 738)	5	10-May-14	15-May-14	19-Sep-14	24-Sep-14
NRC11580	SS - Armour Rock - Zone B - (CH598 to 648)	4	16-May-14	20-May-14	25-Sep-14	29-Sep-14
NRC11590	SS - Armour Rock - Zone B - (CH648 to 698)	4	21-May-14	24-May-14	30-Sep-14	06-Oct-14
NRC11600	SS - Armour Rock - Zone B - (CH698 to 738)	4	26-May-14	29-May-14	07-Oct-14	10-Oct-14
NRC11610	SS - Mass Concrete Coping - Zone B - (CH598 to 648)	7	12-Aug-14	19-Aug-14	04-Oct-14	11-Oct-14
NRC11620	SS - Mass Concrete Coping - Zone B - (CH648 to 698)	7	20-Aug-14	27-Aug-14	13-Oct-14	20-Oct-14
NRC11630	SS - Mass Concrete Coping - Zone B - (CH698 to 738)	7	28-Aug-14	04-Sep-14	21-Oct-14	28-Oct-14
NRC11650	Sloping - Rockfill Type A- Zone B - (CH598 to 648)	1	03-Apr-14	03-Apr-14	21-Jul-14 A	21-Jul-14 A
NRC11660	Sloping - Rockfill Type A- Zone B - (CH648 to 698)	1	15-Apr-14	15-Apr-14	21-Jul-14 A	21-Jul-14 A
NRC11670	Sloping - Rockfill Type A- Zone B - (CH698 to 738)	1	30-Apr-14	30-Apr-14	22-Jul-14 A	22-Jul-14 A
NRC11690	Sloping - Geotextile - Zone B - (CH598 to 648)	1	04-Apr-14	04-Apr-14	22-Jul-14 A	22-Jul-14 A
NRC11700	Sloping - Geotextile - Zone B - (CH648 to 698)	1	16-Apr-14	16-Apr-14	25-Jul-14 A	25-Jul-14 A
NRC11710	Sloping - Geotextile - Zone B - (CH698 to 738)	1	02-May-14	02-May-14	28-Jul-14	28-Jul-14
NRC11730	Sloping - Granular Filter - Zone B - (CH598 to 648)	2	07-Apr-14	08-Apr-14	01-Aug-14	02-Aug-14
NRC11740	Sloping - Granular Filter - Zone B - (CH648 to 698)	3	17-Apr-14	23-Apr-14	04-Aug-14	06-Aug-14
NRC11750	Sloping - Granular Filter - Zone B - (CH698 to 738)	3	03-May-14	07-May-14	07-Aug-14	09-Aug-14
Reclamation		647	16-May-14	27-Jul-16	30-Jun-14 A	04-Apr-15
NRC11780	Reclamation - Geotextile - Zone B - (CH598 to 738)	4	21-May-14	24-May-14	04-Jul-14 A	04-Jul-14 A
NRC11800	Reclamation - Sand Blanket - Zone B - (CH598 to 648)	2	16-May-14	17-May-14	30-Jun-14 A	04-Jul-14 A
NRC11810	Reclamation - Sand Blanket - Zone B - (CH648 to 698)	2	21-May-14	22-May-14	01-Jul-14 A	04-Jul-14 A
NRC11820	Reclamation - Sand Blanket - Zone B - (CH698 to 738)	2	26-May-14	27-May-14	11-Aug-14	12-Aug-14
NRC11830	Reclamation - Band Drain - Zone B - (CH598 to 648)	4	20-May-14	23-May-14	05-Jul-14 A	04-Aug-14
NRC11840	Reclamation - Band Drain - Zone B - (CH648 to 698)	4	24-May-14	28-May-14	08-Jul-14 A	07-Aug-14
NRC11850	Reclamation - Band Drain - Zone B - (CH698 to 738)	4	29-May-14	03-Jun-14	13-Aug-14	16-Aug-14
NRC11870	Public Fill - Zone B - (CH598 to 648) to -2.5mPD	3	28-Jul-14	30-Jul-14	07-Aug-14	09-Aug-14
NRC11880	Public Fill - Zone B - (CH648 to 698) to -2.5mPD	3	31-Jul-14	02-Aug-14	14-Aug-14	16-Aug-14
NRC11890	Public Fill - Zone B - (CH698 to 738) to -2.5mPD	3	04-Aug-14	06-Aug-14	22-Aug-14	25-Aug-14
NRC11900	Public Fill - Zone B - (CH598 to 648) to +2.5mPD	7	07-Aug-14	14-Aug-14	18-Aug-14	25-Aug-14
NRC11910	Public Fill - Zone B - (CH648 to 698) to +2.5mPD	7	15-Aug-14	22-Aug-14	26-Aug-14	02-Sep-14
NRC11920	Public Fill - Zone B - (CH698 to 738) to +2.5mPD	7	23-Aug-14	30-Aug-14	03-Sep-14	11-Sep-14
NRC11950	Public Fill - Zone B - (CH598 to 648) to +6.0mPD	7	15-Aug-14	22-Aug-14	26-Aug-14	02-Sep-14
NRC11960	Public Fill - Zone B - (CH648 to 698) to +6.0mPD	7	23-Aug-14	30-Aug-14	03-Sep-14	11-Sep-14
NRC11970	Public Fill - Zone B - (CH698 to 738) to +6.0mPD	7	01-Sep-14	08-Sep-14	12-Sep-14	19-Sep-14
NRC11995	Public Fill - Zone B - (CH648 to 698) to +10mPD	0			12-Sep-14	18-Sep-14
NRC12010	Public Fill - Zone B - (CH698 to 738) to +10mPD	6	17-Sep-14	23-Sep-14	27-Sep-14	06-Oct-14
NRC15322	Surcharge Period - Zone B - (CH648 to 698) stage 1	180	30-Jan-16	27-Jul-16	19-Sep-14	17-Mar-15
NRC15350	Surcharge Period - Zone B - (CH698 to 738)	180	24-Sep-14	22-Mar-15	07-Oct-14	04-Apr-15
Zone A1		116	30-Apr-14	17-Sep-14	27-May-14 A	15-Oct-14
Vertical Seawall		70	23-Jun-14	13-Sep-14	02-Jul-14 A	24-Sep-14
NRC12060	VS - Seawall Block - ZoneA1 - (CH738 to 793)	11	23-Jun-14	05-Jul-14	02-Jul-14 A	06-Aug-14
NRC12080	VS - Rockfill Type A- Zone A1 - (CH738 to 793)	3	07-Jul-14	09-Jul-14	07-Aug-14	09-Aug-14
NRC12090	VS - Geotextile - ZoneA1 - (CH738 to 793)	2	10-Jul-14	11-Jul-14	11-Aug-14	12-Aug-14
NRC12100	VS - Granular Filter - ZoneA1 - (CH738 to 793)	4	14-Jul-14	17-Jul-14	15-Aug-14	19-Aug-14
NRC12130	VS - Mass Concrete Coping - ZoneA1 - (CH738 to 793)	8	04-Sep-14	13-Sep-14	16-Sep-14	24-Sep-14
Sloping Seawall		28	30-Apr-14	04-Jun-14	27-May-14 A	15-Oct-14
NRC12150	SS - Rock Grade 400 - ZoneA1 - (CH738 to 793) to +2.5mPD (4k/d)	5	30-Apr-14	07-May-14	27-May-14 A	28-Jul-14
NRC12180	SS - Armour Rock Underlayer - Zone A1 - (CH738 to 793)	5	16-May-14	21-May-14	25-Sep-14	30-Sep-14
NRC12190	SS - Armour Rock - Zone A1 - (CH738 to 793)	4	30-May-14	04-Jun-14	11-Oct-14	15-Oct-14
NRC12220	Sloping - Rockfill Type A- Zone A1 - (CH738 to 793)	1	08-May-14	08-May-14	29-Jul-14	29-Jul-14
NRC12230	Sloping - Geotextile - ZoneA1 - (CH738 to 793)	2	09-May-14	10-May-14	30-Jul-14	31-Jul-14
NRC12250	Sloping - Granular Filter - ZoneA1 - (CH738 to 793)	3	12-May-14	14-May-14	11-Aug-14	13-Aug-14
Reclamation		96	26-May-14	17-Sep-14	14-Aug-14	27-Sep-14
NRC12260	Reclamation - Geotextile - ZoneA1 - (CH738 to 793)	4	26-May-14	29-May-14	14-Aug-14	18-Aug-14
NRC12270	Reclamation - Sand Blanket - ZoneA1 - (CH738 to 793)	2	30-May-14	31-May-14	19-Aug-14	20-Aug-14
NRC12280	Reclamation - Band Drain - ZoneA1 - (CH738 to 793)	4	04-Jun-14	07-Jun-14	21-Aug-14	25-Aug-14
NRC12300	Public Fill - ZoneA1 - (CH738 to 793) to -2.5mPD	3	07-Aug-14	09-Aug-14	26-Aug-14	28-Aug-14
NRC12310	Public Fill - ZoneA1 - (CH738 to 793) to +2.5mPD	7	01-Sep-14	08-Sep-14	12-Sep-14	19-Sep-14
NRC12320	Public Fill - ZoneA1 - (CH738 to 793) to +6.0mPD	7	10-Sep-14	17-Sep-14	20-Sep-14	27-Sep-14
Zone A2		153	23-Apr-14	25-Oct-14	17-Apr-14 A	05-Nov-14
Vertical Seawall		153	23-Apr-14	25-Oct-14	14-Jun-14 A	05-Nov-14
NRC12390	VS - Rock Grade 400 - ZoneA2 - (CH843 to 893)	5	23-Apr-14	28-Apr-14	14-Jun-14 A	04-Jul-14 A
NRC12400	VS - Rock Grade 400 - ZoneA2 - (CH893 to 956)	16	29-Apr-14	19-May-14	23-Jun-14 A	01-Aug-14



Project ID: CLK_I0.0-101 - B1-1 - B3-5 - B4-2 - B-8

Data Date: 28-Jul-14

CurrentBar
CurrentBar - Critical
PlannedBar
PlannedMilestone
CurrentMilestone
ProgressMilestone
ProgressBar

TMCLK - Northern Connection Sub-Sea Tunnel Section

3-Months Rolling Programme - Construction

As of 28-Jul-14 Progress

香港寶嘉 Dragages HongKong
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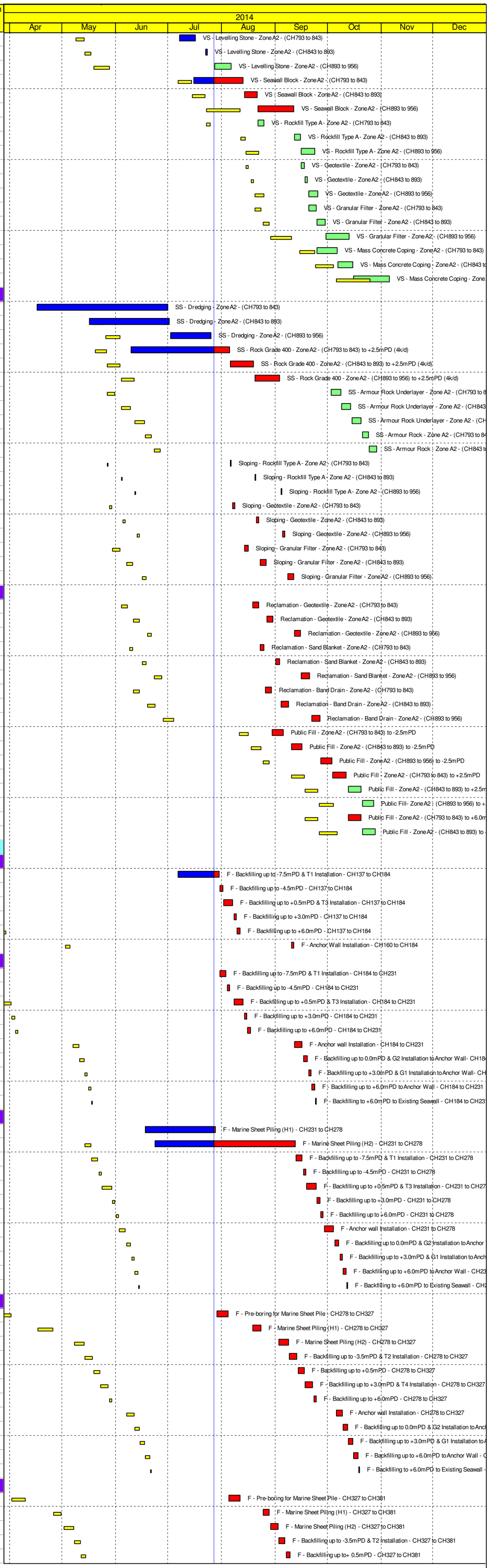
BOUYGUES TRAVAUX PUBLICS
Dragages - Bouygues Joint Venture 寶嘉 - 布依格聯營

Date	Revision	Checked	Approved
12-Feb-14	TMCLK/DBJ/GEN/PRG/98507	SPa	WYu

Activity ID	Activity Name	Orig Dur	Planned Start	Planned Finish	Current Start	Current Finish
NRC12410	VS - Levelling Stone - Zone A2 - (CH793 to 843)	4	09-May-14	13-May-14	08-Jul-14 A	17-Jul-14 A
NRC12420	VS - Levelling Stone - Zone A2 - (CH843 to 893)	4	14-May-14	17-May-14	23-Jul-14 A	24-Jul-14 A
NRC12440	VS - Levelling Stone - Zone A2 - (CH893 to 956)	9	19-May-14	28-May-14	28-Jul-14	06-Aug-14
NRC12450	VS - Seawall Block - Zone A2 - (CH793 to 843)	7	07-Jul-14	14-Jul-14	16-Jul-14 A	13-Aug-14
NRC12460	VS - Seawall Block - Zone A2 - (CH843 to 893)	7	15-Jul-14	22-Jul-14	14-Aug-14	21-Aug-14
NRC12470	VS - Seawall Block - Zone A2 - (CH893 to 956)	17	23-Jul-14	11-Aug-14	22-Aug-14	11-Sep-14
NRC12480	VS - Rockfill Type A - Zone A2 - (CH793 to 843)	3	23-Jul-14	25-Jul-14	22-Aug-14	25-Aug-14
NRC12490	VS - Rockfill Type A - Zone A2 - (CH843 to 893)	3	12-Aug-14	14-Aug-14	12-Sep-14	15-Sep-14
NRC12500	VS - Rockfill Type A - Zone A2 - (CH893 to 956)	7	15-Aug-14	22-Aug-14	16-Sep-14	23-Sep-14
NRC12510	VS - Geotextile - Zone A2 - (CH793 to 843)	2	15-Aug-14	16-Aug-14	16-Sep-14	17-Sep-14
NRC12520	VS - Geotextile - Zone A2 - (CH843 to 893)	2	18-Aug-14	19-Aug-14	18-Sep-14	19-Sep-14
NRC12530	VS - Geotextile - Zone A2 - (CH893 to 956)	5	20-Aug-14	25-Aug-14	20-Sep-14	25-Sep-14
NRC12540	VS - Granular Filter - Zone A2 - (CH793 to 843)	4	20-Aug-14	23-Aug-14	20-Sep-14	24-Sep-14
NRC12550	VS - Granular Filter - Zone A2 - (CH843 to 893)	4	25-Aug-14	28-Aug-14	25-Sep-14	29-Sep-14
NRC12560	VS - Granular Filter - Zone A2 - (CH893 to 956)	10	29-Aug-14	10-Sep-14	30-Sep-14	13-Oct-14
NRC12600	VS - Mass Concrete Coping - Zone A2 - (CH793 to 843)	8	15-Sep-14	23-Sep-14	25-Sep-14	06-Oct-14
NRC12610	VS - Mass Concrete Coping - Zone A2 - (CH843 to 893)	8	24-Sep-14	04-Oct-14	07-Oct-14	15-Oct-14
NRC12620	VS - Mass Concrete Coping - Zone A2 - (CH893 to 956)	18	06-Oct-14	25-Oct-14	16-Oct-14	05-Nov-14
Sloping Seawall		38	13-May-14	26-Jun-14	17-Apr-14 A	29-Oct-14
NRC12630	SS - Dredging - Zone A2 - (CH793 to 843)	5	13-May-14	17-May-14	17-Apr-14 A	01-Jul-14 A
NRC12640	SS - Dredging - Zone A2 - (CH843 to 893)	6	19-May-14	24-May-14	17-May-14 A	02-Jul-14 A
NRC12650	SS - Dredging - Zone A2 - (CH893 to 956)	7	26-May-14	03-Jun-14	03-Jul-14 A	26-Jul-14 A
NRC12660	SS - Rock Grade 400 - Zone A2 - (CH793 to 843) to +2.5mPD (4k/d)	6	20-May-14	26-May-14	10-Jun-14 A	05-Aug-14
NRC12670	SS - Rock Grade 400 - Zone A2 - (CH843 to 893) to +2.5mPD (4k/d)	6	27-May-14	03-Jun-14	06-Aug-14	19-Aug-14
NRC12680	SS - Rock Grade 400 - Zone A2 - (CH893 to 956) to +2.5mPD (4k/d)	7	04-Jun-14	11-Jun-14	20-Aug-14	03-Sep-14
NRC12720	SS - Armour Rock Underlayer - Zone A2 - (CH793 to 843)	5	27-May-14	31-May-14	03-Oct-14	08-Oct-14
NRC12730	SS - Armour Rock Underlayer - Zone A2 - (CH843 to 893)	5	04-Jun-14	09-Jun-14	09-Oct-14	14-Oct-14
NRC12740	SS - Armour Rock Underlayer - Zone A2 - (CH893 to 956)	5	12-Jun-14	17-Jun-14	15-Oct-14	20-Oct-14
NRC12750	SS - Armour Rock - Zone A2 - (CH793 to 843)	4	18-Jun-14	21-Jun-14	21-Oct-14	24-Oct-14
NRC12760	SS - Armour Rock - Zone A2 - (CH843 to 893)	4	23-Jun-14	26-Jun-14	25-Oct-14	29-Oct-14
NRC12810	Sloping - Rockfill Type A- Zone A2 - (CH793 to 843)	1	27-May-14	27-May-14	06-Aug-14	06-Aug-14
NRC12820	Sloping - Rockfill Type A- Zone A2 - (CH843 to 893)	1	04-Jun-14	04-Jun-14	20-Aug-14	20-Aug-14
NRC12830	Sloping - Rockfill Type A- Zone A2 - (CH893 to 956)	1	12-Jun-14	12-Jun-14	04-Sep-14	04-Sep-14
NRC12850	Sloping - Geotextile - Zone A2 - (CH793 to 843)	2	28-May-14	29-May-14	07-Aug-14	08-Aug-14
NRC12860	Sloping - Geotextile - Zone A2 - (CH843 to 893)	2	05-Jun-14	06-Jun-14	21-Aug-14	22-Aug-14
NRC12870	Sloping - Geotextile - Zone A2 - (CH893 to 956)	2	13-Jun-14	14-Jun-14	05-Sep-14	06-Sep-14
NRC12880	Sloping - Granular Filter - Zone A2 - (CH793 to 843)	3	30-May-14	03-Jun-14	14-Aug-14	16-Aug-14
NRC12890	Sloping - Granular Filter - Zone A2 - (CH843 to 893)	3	07-Jun-14	10-Jun-14	23-Aug-14	26-Aug-14
NRC12900	Sloping - Granular Filter - Zone A2 - (CH893 to 956)	3	16-Jun-14	18-Jun-14	08-Sep-14	11-Sep-14
Reclamation		103	04-Jun-14	06-Oct-14	19-Aug-14	28-Oct-14
NRC12910	Reclamation - Geotextile - Zone A2 - (CH793 to 843)	4	04-Jun-14	07-Jun-14	19-Aug-14	22-Aug-14
NRC12920	Reclamation - Geotextile - Zone A2 - (CH843 to 893)	4	11-Jun-14	14-Jun-14	27-Aug-14	30-Aug-14
NRC12930	Reclamation - Geotextile - Zone A2 - (CH893 to 956)	3	19-Jun-14	21-Jun-14	12-Sep-14	15-Sep-14
NRC12940	Reclamation - Sand Blanket - Zone A2 - (CH793 to 843)	2	09-Jun-14	10-Jun-14	23-Aug-14	25-Aug-14
NRC12960	Reclamation - Sand Blanket - Zone A2 - (CH843 to 893)	3	16-Jun-14	18-Jun-14	01-Sep-14	03-Sep-14
NRC12970	Reclamation - Sand Blanket - Zone A2 - (CH893 to 956)	5	23-Jun-14	27-Jun-14	16-Sep-14	20-Sep-14
NRC12980	Reclamation - Band Drain - Zone A2 - (CH793 to 843)	4	11-Jun-14	14-Jun-14	26-Aug-14	29-Aug-14
NRC12990	Reclamation - Band Drain - Zone A2 - (CH843 to 893)	4	19-Jun-14	23-Jun-14	04-Sep-14	08-Sep-14
NRC13000	Reclamation - Band Drain - Zone A2 - (CH893 to 956)	5	28-Jun-14	04-Jul-14	22-Sep-14	26-Sep-14
NRC13010	Public Fill - Zone A2 - (CH793 to 843) to -2.5mPD	6	11-Aug-14	16-Aug-14	30-Aug-14	05-Sep-14
NRC13020	Public Fill - Zone A2 - (CH843 to 893) to -2.5mPD	6	18-Aug-14	23-Aug-14	10-Sep-14	16-Sep-14
NRC13030	Public Fill - Zone A2 - (CH893 to 956) to -2.5mPD	4	25-Aug-14	28-Aug-14	27-Sep-14	03-Oct-14
NRC13040	Public Fill - Zone A2 - (CH793 to 843) to +2.5mPD	7	10-Sep-14	17-Sep-14	04-Oct-14	11-Oct-14
NRC13050	Public Fill - Zone A2 - (CH843 to 893) to +2.5mPD	7	18-Sep-14	25-Sep-14	13-Oct-14	20-Oct-14
NRC13070	Public Fill- Zone A2 - (CH893 to 956) to +2.5mPD	6	26-Sep-14	04-Oct-14	21-Oct-14	27-Oct-14
NRC13080	Public Fill - Zone A2 - (CH793 to 843) to +6.0mPD	7	18-Sep-14	25-Sep-14	13-Oct-14	20-Oct-14
NRC13090	Public Fill - Zone A2 - (CH843 to 893) to +6.0mPD	7	26-Sep-14	06-Oct-14	21-Oct-14	28-Oct-14
Zone F		80	14-Mar-14	23-Jun-14	18-Jun-14 A	22-Oct-14
CH137 to CH184		40	14-Mar-14	05-May-14	07-Jul-14 A	11-Sep-14
A6416100	F - Backfilling up to -7.5mPD & T1 Installation - CH137 to CH184	4	14-Mar-14	17-Mar-14	07-Jul-14 A	30-Jul-14
A6416110	F - Backfilling up to -4.5mPD - CH137 to CH184	2	18-Mar-14	19-Mar-14	31-Jul-14	01-Aug-14
A6416115	F - Backfilling up to +0.5mPD & T3 Installation - CH137 to CH184	6	20-Mar-14	25-Mar-14	02-Aug-14	07-Aug-14
A6416118	F - Backfilling up to +3.0mPD - CH137 to CH184	2	26-Mar-14	27-Mar-14	08-Aug-14	09-Aug-14
A6416120	F - Backfilling up to +6.0mPD - CH137 to CH184	2	28-Mar-14	29-Mar-14	10-Aug-14	11-Aug-14
A6416320	F - Anchor Wall Installation - CH160 to CH184	2	03-May-14	05-May-14	10-Sep-14	11-Sep-14
CH184 to CH231		44	21-Mar-14	18-May-14	31-Jul-14	24-Sep-14
A6416060	F - Backfilling up to -7.5mPD & T1 Installation - CH184 to CH231	4	21-Mar-14	24-Mar-14	31-Jul-14	03-Aug-14
A6416070	F - Backfilling up to -4.5mPD - CH184 to CH231	2	25-Mar-14	26-Mar-14	04-Aug-14	05-Aug-14
A6416080	F - Backfilling up to +0.5mPD & T3 Installation - CH184 to CH231	6	27-Mar-14	01-Apr-14	08-Aug-14	13-Aug-14
A6416085	F - Backfilling up to +3.0mPD - CH184 to CH231	2	02-Apr-14	03-Apr-14	14-Aug-14	15-Aug-14
A6416090	F - Backfilling up to +6.0mPD - CH184 to CH231	2	04-Apr-14	05-Apr-14	16-Aug-14	17-Aug-14
A6416230	F - Anchor wall Installation - CH184 to CH231	4	07-May-14	10-May-14	12-Sep-14	16-Sep-14
A6416290	F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall- CH184 to CH231	3	11-May-14	13-May-14	17-Sep-14	19-Sep-14
A6416295	F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall- CH184 to CH231	2	14-May-14	15-May-14	20-Sep-14	21-Sep-14
A6416300	F - Backfilling up to +6.0mPD to Anchor Wall - CH184 to CH231	2	16-May-14	17-May-14	22-Sep-14	23-Sep-14
A6416400	F - Backfilling to +6.0mPD to Existing Seawall - CH184 to CH231	1	18-May-14	18-May-14	24-Sep-14	24-Sep-14
CH231 to CH278		67	21-Mar-14	14-Jun-14	18-Jun-14 A	12-Oct-14
A6416240	F - Marine Sheet Piling (H1) - CH231 to CH278	4	21-Mar-14	25-Mar-14	18-Jun-14 A	28-Jul-14
A6416250	F - Marine Sheet Piling (H2) - CH231 to CH278	4	14-May-14	17-May-14	24-Jun-14 A	12-Sep-14
A6416260	F - Backfilling up to -7.5mPD & T1 Installation - CH231 to CH278	4	18-May-14	21-May-14	13-Sep-14	16-Sep-14
A6416270	F - Backfilling up to -4.5mPD - CH231 to CH278	2	22-May-14	23-May-14	17-Sep-14	18-Sep-14
A6416273	F - Backfilling up to +0.5mPD & T3 Installation - CH231 to CH278	6	24-May-14	29-May-14	19-Sep-14	24-Sep-14
A6416278	F - Backfilling up to +3.0mPD - CH231 to CH278	2	30-May-14	31-May-14	25-Sep-14	26-Sep-14
A6416280	F - Backfilling up to +6.0mPD - CH231 to CH278	2	01-Jun-14	02-Jun-14	27-Sep-14	28-Sep-14
A6416310	F - Anchor wall Installation - CH231 to CH278	4	03-Jun-14	06-Jun-14	29-Sep-14	04-Oct-14
A6416480	F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall- CH231 to CH278	3	07-Jun-14	09-Jun-14	05-Oct-14	07-Oct-14
A6416490	F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall - CH231 to CH278	2	10-Jun-14	11-Jun-14	08-Oct-14	09-Oct-14
A6416500	F - Backfilling up to +6.0mPD to Anchor Wall - CH231 to CH278	2	12-Jun-14	13-Jun-14	10-Oct-14	11-Oct-14
A6416510	F - Backfilling to +6.0mPD to Existing Seawall - CH231 to CH278	1	14-Jun-14	14-Jun-14	12-Oct-14	12-Oct-14
CH278 to CH327		69	26-Mar-14	21-Jun-14	29-Jul-14	19-Oct-14
A6416180	F - Pre-boring for Marine Sheet Pile - CH278 to CH327	6	26-Mar-14	01-Apr-14	29-Jul-14	04-Aug-14
A6416190	F - Marine Sheet Piling (H1) - CH278 to CH327	5	17-Apr-14	25-Apr-14	19-Aug-14	23-Aug-14
A6416195	F - Marine Sheet Piling (H2) - CH278 to CH327	5	08-May-14	13-May-14	03-Sep-14	08-Sep-14
A6416200	F - Backfilling up to -3.5mPD & T2 Installation - CH278 to CH327	5	14-May-14	18-May-14	09-Sep-14	13-Sep-14
A6416210	F - Backfilling up to +0.5mPD - CH278 to CH327	4	19-May-14	22-May-14	14-Sep-14	17-Sep-14
A6416215	F - Backfilling up to +3.0mPD & T4 Installation - CH278 to CH327	5	23-May-14	27-May-14	18-Sep-14	22-Sep-14
A6416220	F - Backfilling up to +6.0mPD - CH278 to CH327	2	28-May-14	29-May-14	23-Sep-14	24-Sep-14
A6416340	F - Anchor wall Installation - CH278 to CH327	4	07-Jun-14	11-Jun-14	06-Oct-14	09-Oct-14
A6416520	F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall - CH278 to CH327	3	12-Jun-14	14-Jun-14	10-Oct-14	12-Oct-14
A6416530	F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall - CH278 to CH327	3	15-Jun-14	17-Jun-14	13-Oct-14	15-Oct-14
A6416540	F - Backfilling up to +6.0mPD to Anchor Wall - CH278 to CH327	3	18-Jun-14	20-Jun-14	16-Oct-14	18-Oct-14
A6416550	F - Backfilling to +6.0mPD to Existing Seawall - CH278 to CH327	1	21-Jun-14	21-Jun-14	19-Oct-14	19-Oct-14
CH327 to CH381		64	02-Apr-14	23-Jun-14	05-Aug-14	22-Oct-14
A6416130	F - Pre-boring for Marine Sheet Pile - CH327 to CH381	6	02-Apr-14	09-Apr-14	05-Aug-14	11-Aug-14
A6416140	F - Marine Sheet Piling (H1) - CH327 to CH381	4	26-Apr-14	30-Apr-14	25-Aug-14	28-Aug-14
A6416145	F - Marine Sheet Piling (H2) - CH327 to CH381	4	02-May-14	07-May-14	29-Aug-14	02-Sep-14
A6416150	F - Backfilling up to -3.5mPD & T2 Installation - CH327 to CH381	4	08-May-14	11-May-14	03-Sep-14	06-Sep-14
A6416155	F - Backfilling up to+ 0.5mPD - CH327 to CH381	3	12-May-14	14-May-14	07-Sep-14	09-Sep-14



Project ID: CLK_I0.0-101 - B1-1 - B3-5 - B4-2 - B-8

Data Date: 28-Jul-14

Current Bar
Current Bar - Critical
Planned Bar
Planned Milestone
Current Milestone
Progress Milestone
Progress Bar

TMCLK - Northern Connection Sub-Sea Tunnel Section

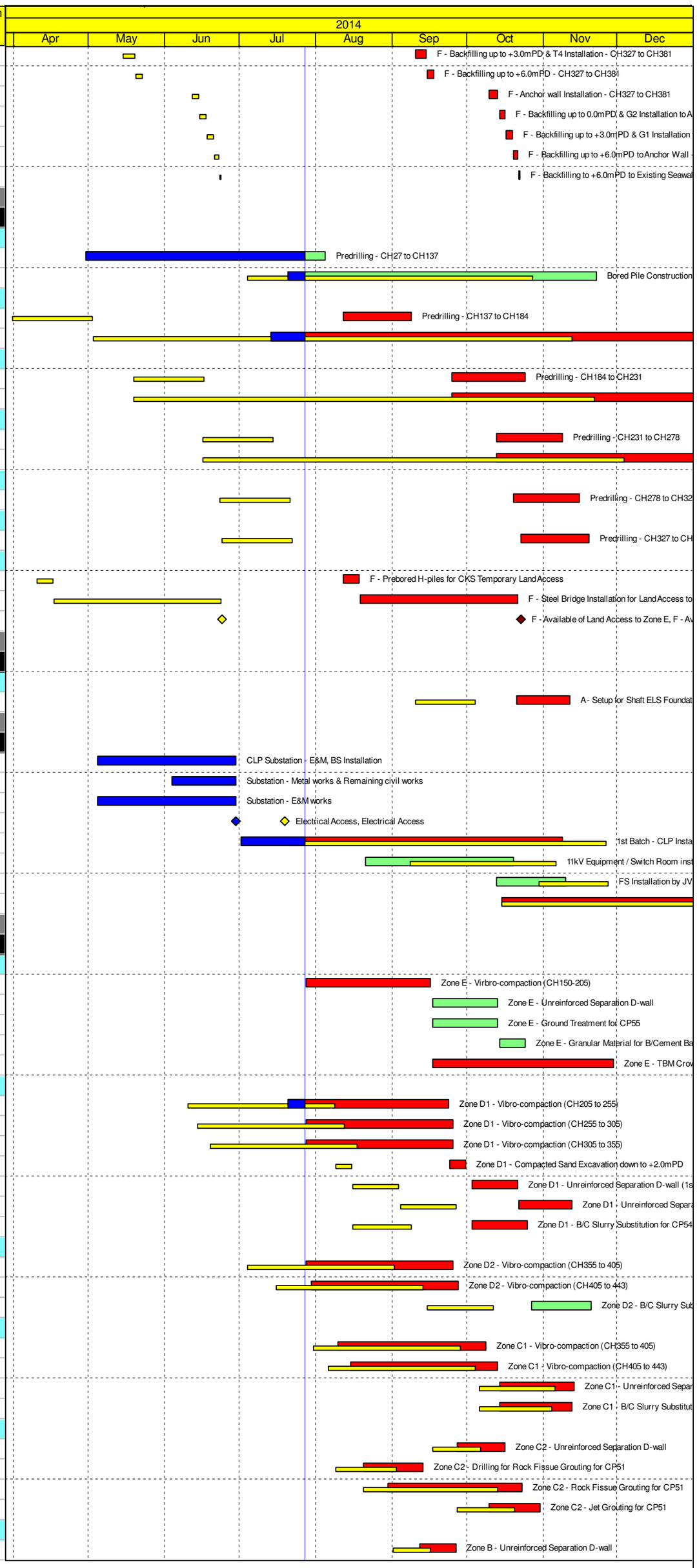
3-Months Rolling Programme - Construction

As of 28-Jul-14 Progress

Dragages HongKong
A member of the Bouygues Construction group
BOUYGUES TRAVAUX PUBLICS
Dragages - Bouygues Joint Venture 寶嘉 - 布依格聯營

Date	Revision	Checked	Approved
12-Feb-14	TMCLK/DBJ/GEN/PRG/98507	SPa	WYu

Activity ID	Activity Name	Orig Dur	Planned Start	Planned Finish	Current Start	Current Finish
A6416160	F - Backfilling up to +3.0mPD & T4 Installation - CH327 to CH381	5	15-May-14	19-May-14	10-Sep-14	14-Sep-14
A6416170	F - Backfilling up to +6.0mPD - CH327 to CH381	3	20-May-14	22-May-14	15-Sep-14	17-Sep-14
A6416370	F - Anchor wall Installation - CH327 to CH381	3	12-Jun-14	14-Jun-14	10-Oct-14	13-Oct-14
A6416560	F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall - CH327 to CH381	3	15-Jun-14	17-Jun-14	14-Oct-14	16-Oct-14
A6416570	F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall - CH327 to CH381	3	18-Jun-14	20-Jun-14	17-Oct-14	19-Oct-14
A6416580	F - Backfilling up to +6.0mPD to Anchor Wall - CH327 to CH381	2	21-Jun-14	22-Jun-14	20-Oct-14	21-Oct-14
A6416590	F - Backfilling to +6.0mPD to Existing Seawall - CH327 to CH381	1	23-Jun-14	23-Jun-14	22-Oct-14	22-Oct-14
Box Culvert Extension		202	31-Mar-14	03-Dec-14	30-Apr-14 A	11-Apr-15
Construction		202	31-Mar-14	03-Dec-14	30-Apr-14 A	11-Apr-15
CH000 to CH137		120	05-Jun-14	27-Oct-14	30-Apr-14 A	22-Nov-14
A6416600	Predrilling - CH27 to CH137	24	05-Jun-14	03-Jul-14	30-Apr-14 A	04-Aug-14
A6416670	Bored Pile Construction - A43 to A62 (4 Rigs) & Land Sheet Piling	96	04-Jul-14	27-Oct-14	21-Jul-14 A	22-Nov-14
CH137 to CH184		184	31-Mar-14	12-Nov-14	14-Jul-14 A	25-Mar-15
A6416610	Predrilling - CH137 to CH184	24	31-Mar-14	02-May-14	12-Aug-14	08-Sep-14
A6416720	Bored Pile Construction - A42 to A35	160	03-May-14	12-Nov-14	14-Jul-14 A	25-Mar-15
CH184 to CH231		156	19-May-14	21-Nov-14	25-Sep-14	11-Apr-15
A6416620	Predrilling - CH184 to CH231	24	19-May-14	16-Jun-14	25-Sep-14	24-Oct-14
A6416730	Bored Pile Construction - A34 to A27	156	19-May-14	21-Nov-14	25-Sep-14	11-Apr-15
CH231 to CH278		143	16-Jun-14	03-Dec-14	13-Oct-14	11-Apr-15
A6416630	Predrilling - CH231 to CH278	24	16-Jun-14	14-Jul-14	13-Oct-14	08-Nov-14
A6416740	Bored Pile Construction - A26 to A19	143	16-Jun-14	03-Dec-14	13-Oct-14	11-Apr-15
CH278 to CH327		24	23-Jun-14	21-Jul-14	20-Oct-14	15-Nov-14
A6416640	Predrilling - CH278 to CH327	24	23-Jun-14	21-Jul-14	20-Oct-14	15-Nov-14
CH327 to CH381		24	24-Jun-14	22-Jul-14	23-Oct-14	19-Nov-14
A6416650	Predrilling - CH327 to CH381	24	24-Jun-14	22-Jul-14	23-Oct-14	19-Nov-14
CH381 to CH399 (Box Culvert Connection)		58	10-Apr-14	24-Jun-14	12-Aug-14	23-Oct-14
A6416660	F - Prebored H-piles for CKS Temporary Land Access	6	10-Apr-14	16-Apr-14	12-Aug-14	18-Aug-14
A6417000	F - Steel Bridge Installation for Land Access to Zone E	52	17-Apr-14	23-Jun-14	19-Aug-14	21-Oct-14
A6417010	F - Available of Land Access to Zone E	0	24-Jun-14		23-Oct-14	
North Shafts Construction & Tunnel Structure		20	10-Sep-14	04-Oct-14	21-Oct-14	11-Nov-14
Construction		20	10-Sep-14	04-Oct-14	21-Oct-14	11-Nov-14
North Ventilation Shaft ELS Foundation & Capping Beam		20	10-Sep-14	04-Oct-14	21-Oct-14	11-Nov-14
A6415775	A - Setup for Shaft ELS Foundation	20	10-Sep-14	04-Oct-14	21-Oct-14	11-Nov-14
CLP Temporary Substation		166	19-Jul-14	05-Feb-15	05-May-14 A	28-Feb-15
Construction		166	19-Jul-14	05-Feb-15	05-May-14 A	28-Feb-15
DDP1275140	CLP Substation - E&M, BS Installation	0			05-May-14 A	30-Jun-14 A
DDP1276020	Substation - Metal works & Remaining civil works	0			04-Jun-14 A	30-Jun-14 A
DDP1276030	Substation - E&M works	0			05-May-14 A	30-Jun-14 A
DDP12790	Electrical Access	0		19-Jul-14		30-Jun-14 A
DDP12800	1st Batch - CLP Installation & Commissioning	108	21-Jul-14	26-Nov-14	02-Jul-14 A	08-Nov-14
DDP12810	11kV Equipment / Switch Room installation by JV	48	08-Sep-14	06-Nov-14	21-Aug-14	20-Oct-14
DDP12820	FS Installation by JV	24	30-Oct-14	27-Nov-14	13-Oct-14	10-Nov-14
DDP12870	2nd Batch - CLP Installation & Commissioning	95	15-Oct-14	05-Feb-15	15-Oct-14*	28-Feb-15
North Surface works for TBM Tunnelling		124	10-Jun-14	05-Nov-14	21-Jul-14 A	29-Nov-14
Construction		124	10-Jun-14	05-Nov-14	21-Jul-14 A	29-Nov-14
Zone E		0			28-Jul-14	29-Nov-14
A6416431	Zone E - Virbro-compaction (CH150-205)	0			28-Jul-14	16-Sep-14
A6416436	Zone E - Unreinforced Separation D-wall	0			17-Sep-14	13-Oct-14
A6416438	Zone E - Ground Treatment for CP55	0			17-Sep-14	13-Oct-14
A6416439	Zone E - Granular Material for B/Cement Base	0			14-Oct-14	24-Oct-14
A641643910	Zone E - TBM Crown Ground Treatment	0			17-Sep-14	29-Nov-14
Zone D1		92	10-Jun-14	26-Sep-14	21-Jul-14 A	12-Nov-14
NRC13940	Zone D1 - Vibro-compaction (CH205 to 255)	60	10-Jun-14	08-Aug-14	21-Jul-14 A	23-Sep-14
NRC13950	Zone D1 - Vibro-compaction (CH255 to 305)	60	14-Jun-14	12-Aug-14	28-Jul-14	25-Sep-14
NRC13960	Zone D1 - Vibro-compaction (CH305 to 355)	60	19-Jun-14	17-Aug-14	28-Jul-14	25-Sep-14
NRC14000	Zone D1 - Compacted Sand Excavation down to +2.0mPD	6	09-Aug-14	15-Aug-14	24-Sep-14	30-Sep-14
NRC14010	Zone D1 - Unreinforced Separation D-wall (1st 55m)	16	16-Aug-14	03-Sep-14	03-Oct-14	21-Oct-14
NRC14012	Zone D1 - Unreinforced Separation D-wall (Remaining)	19	04-Sep-14	26-Sep-14	22-Oct-14	12-Nov-14
NRC14020	Zone D1 - B/C Slurry Substitution for CP54	20	16-Aug-14	08-Sep-14	03-Oct-14	25-Oct-14
Zone D2		83	04-Jul-14	11-Oct-14	28-Jul-14	20-Nov-14
NRC13970	Zone D2 - Vibro-compaction (CH355 to 405)	60	04-Jul-14	01-Sep-14	28-Jul-14	25-Sep-14
NRC13980	Zone D2 - Vibro-compaction (CH405 to 443)	60	16-Jul-14	13-Sep-14	30-Jul-14	27-Sep-14
NRC14110	Zone D2 - B/C Slurry Substitution for CP53	22	15-Sep-14	11-Oct-14	27-Oct-14	20-Nov-14
Zone C1		81	31-Jul-14	05-Nov-14	10-Aug-14	13-Nov-14
NRC1202100	Zone C1 - Vibro-compaction (CH355 to 405)	60	31-Jul-14	28-Sep-14	10-Aug-14	08-Oct-14
NRC1202110	Zone C1 - Vibro-compaction (CH405 to 443)	60	06-Aug-14	04-Oct-14	15-Aug-14	13-Oct-14
NRC1202120	Zone C1 - Unreinforced Separation D-wall	27	06-Oct-14	05-Nov-14	14-Oct-14	13-Nov-14
NRC1202130	Zone C1 - B/C Slurry Substitution for CP52	26	06-Oct-14	04-Nov-14	14-Oct-14	12-Nov-14
Zone C2		59	09-Aug-14	20-Oct-14	20-Aug-14	30-Oct-14
NRC1202140	Zone C2 - Unreinforced Separation D-wall	15	17-Sep-14	06-Oct-14	27-Sep-14	16-Oct-14
NRC1202150	Zone C2 - Drilling for Rock Fissue Grouting for CP51	21	09-Aug-14	02-Sep-14	20-Aug-14	13-Sep-14
NRC1202155	Zone C2 - Rock Fissue Grouting for CP51	44	20-Aug-14	13-Oct-14	30-Aug-14	23-Oct-14
NRC1202160	Zone C2 - Jet Grouting for CP51	18	27-Sep-14	20-Oct-14	10-Oct-14	30-Oct-14
Zone B		13	01-Sep-14	16-Sep-14	12-Sep-14	26-Sep-14
A6415897	Zone B - Unreinforced Separation D-wall	13	01-Sep-14	16-Sep-14	12-Sep-14	26-Sep-14



Current Bar
Current Bar - Critical
Planned Bar
Planned Milestone
Current Milestone
Progress Milestone
Progress Bar

TMCLK - Northern Connection Sub-Sea Tunnel Section

3-Months Rolling Programme - Construction

As of 28-Jul-14 Progress

Dragages HongKong 香港寶嘉
A member of the Bouygues Construction group
BOUYGUES TRAVAUX PUBLICS
Dragages - Bouygues Joint Venture 寶嘉 - 布依格聯營

Date	Revision	Checked	Approved
12-Feb-14	TMCLK/DBJ/GEN/PRG/98507	SPa	WYu

Appendix C

Environmental Mitigation and Enhancement Measure Implementation Schedules

Contract No. HY/2012/08
Tuen Mun – Chek Lap Kok Link
Northern Connection Sub-sea Tunnel Section
Environmental Mitigation and Enhancement Measure Implementation Schedule

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 twice 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	Watering of the construction sites in Lantau for 8 times/day and in Tuen Mun for 12 times/day to reduce dust emissions by 87.5% and 91.7% respectively and shall be undertaken.	All areas / throughout construction period	Contractor	TMEIA Avoid dust generation		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		✓
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		✓

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						D	C	O	
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		✓
WATER QUALITY									
Marine Works (Sequence A)									
6.1 Figure 6.2a Appendix D6a	Annex A	Construction of seawalls to be advanced by at least 200m before the main reclamation dredging and filling can commence. The protection by advanced seawall is a dynamic process depending on the progress of the construction activities and the stage when such protection could be realised is illustrated in Figure 6.2a and detailed in Appendix D6a. The part of the works where such measures can be undertaken for the majority of the time includes the following locations: - TM-CLKL northern reclamation;	All areas/ prior to dredging and backfilling works	Contractor	TM-EIAO		Y		<>
6.1	-	a maximum of 50% public fill to be used for all seawall filling below +2.5mPD for TM-CLKL southern and northern landfalls.	TM-CLKL seawall filling	Contractor	TM-EIAO		Y		✓

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						D	C	O	
6.1	-	a maximum of 30% public fill to be used for reclamation filling below +2.5mPD for TM-CLKL southern landfall	TM-CLKL southern landfall reclamation filling	Contractor	TM-EIAO		Y		N/A
6.1	-	a maximum of 100% public fill to be used for reclamation filling below +2.5mPD for TM-CLKL northern landfall	TM-CLKL northern landfall reclamation filling	Contractor	TM-EIAO		Y		✓
6.1	-	Use of cage type silt curtains round allgrab dredgers during the HKBCF, HKLR and TM-CLKL southern reclamation works.	All areas dredging works	Contractor	TM-EIAO		Y		✓
	Figure 1.1 of Annex C	A layer of floating type silt curtain will be applied when dredging and reclamation works are being undertaken at Portion N-a as shown in Figure 1.1 of Annex C of the EM&A Manual.	All areas/ through out marine works	Contractor	TM-EIAO		Y		✓
6.1	-	Trailer suction hopper dredgers shall not allow mud to overflow.	All areas/ throughout construction period	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		✓
6.1	-	The use of Lean Material Overboard (LMOB) systems shall be prohibited.	All areas/ throughout construction period	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		✓

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						D	C	O	
6.1 Figure 6.2b Appendix D6b	Annex A	For other parts of the reclamation works construction of seawalls to be advanced by at least 200m before the main reclamation dredging and filling can commence. It should be noted that the protection by advanced seawall is a dynamic process depending on the progress of the construction activities and the stage when such protection could be realised is illustrated in Figure 6.2b and detailed in Appendices D6b. The part of the works where such measures can be undertaken for the majority of the time includes the following locations: - TM-CLKL northern reclamation; - Reclamation filling for Portion D of HKBCF; Reclamation filling for FSD berth of HKBCF; and - Reclamation dredging and filling for Portion 1 of HKLR;	TM-CLKL northern landfall, Portion D of HKBCF and HKLR	Contractor	TM-EIAO		Y		✓
6.1	-	The filling material for the other parts of the works are the same as Sequence A;	All other areas/backfilling works	Contractor	TM-EIAO		Y		N/A
6.1	5.7	Cage type silt curtain (with steel enclosure) shall be used for grab dredgers working in the site of HKBCF and TM- CLKL southern reclamation. Cage type silt curtains will be applied round all grab dredgers at other works area.	HKBCF, HKLR and TM-CLKL grab dredging	Contractor	TM-EIAO		Y		✓
6.1	Annex A	A layer of floating type silt curtain will be applied around all works as defined in Appendix D6b.	All areas/ through out marine works	Contractor	TM-EIAO		Y		✓
6.1	-	TM-CLKL northern landfall: - Reclamation filling shall not proceed until at least 200m section of leading seawall at both the east and west sides of the reclamation are formed above +2.5 mPD, except for 100m gaps for marine access;	All areas/ through out marine works	Contractor	TM-EIAO		Y		✓

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						D	C	O	
General Marine Works									
6.1	-	Use of TBM for the construction of the submarine tunnel.	Tunnel works / Construction phase	Contractor	TM-EIAO		Y		N/A
6.1	-	Export dredged spoils from NWWCZ.	All areas as much as possible / dredging activities	Contractor	DASO Permit conditions		Y		✓
6.1	-	Where public fill is proposed for filling below +2.5mPD, the fine content in the public fill will be controlled to 25%	All areas/ backfilling works	Contractor	TM-EIAO		Y		N/A
6.1	-	Where sand fill is proposed for filling below +2.5mPD, the fine content in the sand fill will be controlled to 5%.	All areas/ backfilling works	Contractor	TM-EIAO		Y		N/A
6.1	-	Mechanical grabs shall be designed and maintained to avoid spillage and should seal tightly while being lifted.	All areas/ throughout construction period	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		✓
6.1	-	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		✓
6.1	-	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		✓
6.1	-	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		✓

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EIA Reference	EM&A Manual Reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages			Status *
						D	C	O	
6.1	-	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		✓
6.1	-	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		N/A
6.1	-	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		N/A
6.1	-	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		<>
6.1	5.2	Silt curtain shall have proved effectiveness from the producer and shall be fully maintained throughout the works by the contractor.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		<>
6.1	-	The daily maximum production rates shall not exceed those assumed in the water quality assessment.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.1	-	The dredging and filling works shall be scheduled to spread the works evenly over a working day.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓

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EIA Reference	EM&A Manual Reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages			Status *
						D	C	O	
Land Works									
6.1	-	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		✓
6.1	-	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		✓
6.1	-	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		✓
6.1	-	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		<>
6.1	-	Temporary access roads should be surfaced with crushed stone or gravel.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.1	-	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		<>
6.1	-	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		<>
6.1	-	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		✓
6.1	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		✓
6.1	-	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		✓

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EIA Reference	EM&A Manual Reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages			Status *
						D	C	O	
6.1	-	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		✓
6.1	-	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		<>
6.1	-	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		✓
6.1	-	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		✓
6.1	-	Vehicle and plant servicing areas, vehicle wash bays and lubrication facilities shall be located under roofed areas. The drainage in these covered areas shall be connected to foul sewers via a petrol interceptor in accordance with the requirements of the WPCO or collected for off site disposal.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		N/A
6.1	-	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		✓
6.1	-	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		✓
6.1	-	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		✓
6.1	-	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		✓
6.1	-	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	✓

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						D	C	O	
6.1	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									
6.1	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	6.3,6.5	Specification and implementation of 250m dolphin exclusion zone.	All dredging and reclamation areas/Detailed Design/during all reclamation and dredging works	Design Consultant/ Contractor	TMEIA	Y	Y		✓
8.15	6.3, 6.5	Specification and deployment of an artificial reef of an area of 3,600m2 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 implemented 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 dredging and reclamation works	All areas/ Detailed Design/during dredging and reclamation works	Design Consultant/ Contractor	TMEIA	Y	Y		✓
8.15	6.3, 6.4	Pre-construction phase survey and coral translocation	Detailed Design/Prior to construction	Design Consultant/ Contractor	TMEIA	Y	Y		✓
8.15	6.5	Audit coral translocation success	Post translocation	Contractor	TMEIA		Y		✓

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						D	C	O	
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
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	The colour and shape of the toll control buildings, ventilation building and administration building shall adopt a design which could blend it into the vicinity elements, and the details will be developed in detailed design stage (DM2)	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	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		N/A
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		✓
10.9	7.6	Aesthetically pleasing design (visually unobtrusive and non-reflective) as regard to the form, material and finishes shall be incorporated to all buildings, engineering structures and associated infrastructure facilities (OM5)	All areas/detailed design/ during construction / during operation	Design Consultant/ Contractor	TMEIA	Y	Y	Y	N/A

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						D	C	O	
10.9	7.6	Avoidance of excessive height and bulk of buildings and structures (OM6)	All areas/detailed design/ during construction / during operation	Design Consultant/ Contractor	TMEIA	Y	Y	Y	N/A
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		✓

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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		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		✓
12.6	8.1	The surplus surcharge should be transferred to a fill bank	Reclamation areas / after surcharge works	Contractor	TMEIA		Y		N/A
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			✓
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		✓

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

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	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	Dredged marine mud shall be disposed of in a gazetted marine disposal ground under the requirements of the Dumping at Seas Ordinance.	Reclamation areas / throughout dredging works	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 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.	All areas / throughout construction period	Contractor	TMEIA		Y		✓
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: *f* suitable for the substance to be held, resistant to corrosion, maintained in good conditions and securely closed; *f* Having a capacity of <450L unless the specifications have been approved by the EPD; and	All areas / throughout construction period	Contractor	TMEIA		Y		<>

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

EIA Reference	EM&A Manual Reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages			Status *
						D	C	O	
		f Displaying a label in English and Chinese according to the instructions prescribed in Schedule 2 of the Regulations. *f* Clearly labelled and used solely for the storage of chemical wastes; *f* Enclosed with at least 3 sides; *f* 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; *f* Adequate ventilation; *f* Sufficiently covered to prevent rainfall entering (water collected within the bund must be tested and disposed of as chemical waste, if necessary); and *f* 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		N/A
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		✓

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

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	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 collection scheme by the Contractor should be advocated. Waste separation facilities for paper, aluminium cans, plastic bottles, etc should be provided on-site.	Site Offices/ throughout construction period	Contractor	TMEIA		Y		✓
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

*** Remarks:**

✓	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

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

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	ASR1 = 213 ASR5 = 238 AQMS1 = 213 ASR6 = 238 ASR10 = 214	260
1 Hour TSP Level in μg /m³	ASR1 = 331 ASR5 = 340 AQMS1 = 335 ASR6 = 338 ASR10 = 337	500

Table D2 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

(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 D3 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 D4 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	NEL = [STG < 2.4 & ANI <8.9] and NWL = [STG < 3.9 & ANI <17.9]	

Appendix E

Copies of Calibration Certificates for Air Quality and Water Quality Monitoring

High-Volume TSP Sampler
5-Point Calibration Record

Location	:	ASR 5
Calibrated by	:	P.F.Yeung
Date	:	10/06/2014

Sampler

Model	:	TE-5170
Serial Number	:	S/N 0816

Calibration Orfice and Standard Calibration Relationship

Serial Number	:	2454
Service Date	:	24 Mar 2014
Slope (m)	:	2.07593
Intercept (b)	:	-0.00102
Correlation Coefficient(r)	:	0.99996

Standard Condition

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

Calibration Condition

Pa (hpa)	:	1002
Ta(K)	:	300

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC (chart)	Y (corrected)
1	18 holes	12.2	3.462	1.668	54	53.53
2	13 holes	10.0	3.135	1.510	49	48.57
3	10 holes	7.2	2.660	1.282	42	41.63
4	7 holes	4.7	2.149	1.037	35	34.69
5	5 holes	2.8	1.659	0.799	27	26.76

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):30.460 Intercept(b): 2.684 Correlation Coefficient(r): 0.9996

Checked by: Magnum Fan Date: 16/06/2014

High-Volume TSP Sampler
5-Point Calibration Record

Location	:	ASR10
Calibrated by	:	P.F.Yeung
Date	:	10/06/2014

Sampler

Model	:	TE-5170
Serial Number	:	S/N 8162

Calibration Orfice and Standard Calibration Relationship

Serial Number	:	2454
Service Date	:	24 Mar 2014
Slope (m)	:	2.07593
Intercept (b)	:	-0.00102
Correlation Coefficient(r)	:	0.99996

Standard Condition

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

Calibration Condition

Pa (hpa)	:	1002
Ta(K)	:	300

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC (chart)	Y (corrected)
1	18 holes	12.2	3.462	1.668	57	56.50
2	13 holes	9.8	3.103	1.495	51	50.55
3	10 holes	7.2	2.660	1.282	44	43.61
4	7 holes	4.8	2.172	1.047	36	35.68
5	5 holes	3.0	1.717	0.828	27	26.76

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):34.928 Intercept(b): -1.523 Correlation Coefficient(r): 0.9991

Checked by: Magnum Fan Date: 16/06/14

High-Volume TSP Sampler
5-Point Calibration Record

Location	:	AQMS1
Calibrated by	:	P.F.Yeung
Date	:	10/06/2014

Sampler

Model	:	TE-5170
Serial Number	:	S/N 1253

Calibration Orfice and Standard Calibration Relationship

Serial Number	:	2454
Service Date	:	24 Mar 2014
Slope (m)	:	2.07593
Intercept (b)	:	-0.00102
Correlation Coefficient(r)	:	0.99996

Standard Condition

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

Calibration Condition

Pa (hpa)	:	1002
Ta(K)	:	300

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC (chart)	Y (corrected)
1	18 holes	12.5	3.505	1.689	53	52.54
2	13 holes	10.0	3.135	1.510	47	46.59
3	10 holes	7.2	2.660	1.282	41	40.64
4	7 holes	4.8	2.172	1.047	34	33.70
5	5 holes	3.0	1.717	0.828	28	27.75

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):28.931 Intercept(b): 3.982 Correlation Coefficient(r): 0.9994

Checked by: Magnum Fan Date: 16/06/2014

High-Volume TSP Sampler
5-Point Calibration Record

Location	:	ASR1
Calibrated by	:	P.F.Yeung
Date	:	10/06/2014

Sampler

Model	:	TE-5170
Serial Number	:	S/N 0146

Calibration Orfice and Standard Calibration Relationship

Serial Number	:	2454
Service Date	:	24 Mar 2014
Slope (m)	:	2.07593
Intercept (b)	:	-0.00102
Correlation Coefficient(r)	:	0.99996

Standard Condition

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

Calibration Condition

Pa (hpa)	:	1002
Ta(K)	:	300

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC (chart)	Y (corrected)
1	18 holes	12.8	3.546	1.709	56	55.51
2	13 holes	9.7	3.087	1.488	48	47.58
3	10 holes	7.1	2.641	1.273	41	40.64
4	7 holes	5.0	2.216	1.068	33	32.71
5	5 holes	3.0	1.717	0.828	26	25.77

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):34.041 Intercept(b): -2.892 Correlation Coefficient(r): 0.9991

Checked by: Magnum Fan Date: 16/06/2014

High-Volume TSP Sampler
5-Point Calibration Record

Location	:	ASR6
Calibrated by	:	P.F.Yeung
Date	:	10/06/2014

Sampler

Model	:	TE-5170
Serial Number	:	S/N 3957

Calibration Orfice and Standard Calibration Relationship

Serial Number	:	2454
Service Date	:	24 Mar 2014
Slope (m)	:	2.05818
Intercept (b)	:	0.01929
Correlation Coefficient(r)	:	0.99991

Standard Condition

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

Calibration Condition

Pa (hpa)	:	1002
Ta(K)	:	300

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC (chart)	Y (corrected)
1	18 holes	11.4	3.347	1.613	55	54.52
2	13 holes	9.0	2.974	1.433	48	47.58
3	10 holes	6.6	2.547	1.227	40	39.65
4	7 holes	4.5	2.102	1.013	32	31.72
5	5 holes	2.8	1.659	0.799	24	23.79

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):37.778 Intercept(b): -6.531 Correlation Coefficient(r): 0.9999

Checked by: Magnum Fan Date: 16/06/2014

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. : C143205
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC14-1304) Date of Receipt / 收件日期 : 19 May 2014

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 : 26 May 2014

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 : H S Chung
Technician

Certified By / 核證 : H C Chan
Engineer

Date of Issue / 簽發日期 : 27 May 2014

Sun Creation Engineering Limited – Calibration & Testing Laboratory
No. 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
No. 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.suncreatio n.com

Certificate of Calibration
校正證書

Certificate No. : C143205
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
2.1	1.8	+0.3	0.2	2.0
4.1	4.0	+0.1	0.3	2.0
6.1	6.1	0.0	0.3	2.0
8.2	8.4	-0.2	0.3	2.0
10.1	10.4	-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.

Sun Creation Engineering Limited – Calibration & Testing Laboratory
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
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

ENVIROTECH SERVICES CO.

Calibration Report of Wind Meter

Date of Calibration : 29 June 2014

Brand of Test Meter: Davis

Model: Weather Wizard III (s/n: WE90911A30)

Location : ASR5

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

Davis (m/s)	Anemomete (m/s)
1.2	1.1
2.3	2.5
1.7	1.9

Wind Direction Test

Davis (o)	Marine Compass (o)
271	270
0	0
90	90
181	180

Calibrated by: Fai

Yeung Ping Fai
(Technical Officer)

Checked by : Fat

Ho Kam Fat
(Senior Technical Officer)

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, 2014 Rootsmeter S/N 0438320 Ta (K) - 293
Operator Tisch Orifice I.D. - 2454 Pa (mm) - 758.19

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	1.4740	3.2	2.00
2	NA	NA	1.00	1.0340	6.4	4.00
3	NA	NA	1.00	0.9240	7.9	5.00
4	NA	NA	1.00	0.8820	8.8	5.50
5	NA	NA	1.00	0.7270	12.7	8.00

DATA TABULATION

Vstd	(x axis) Qstd	(y axis)
1.0103	0.6854	1.4245
1.0061	0.9730	2.0146
1.0040	1.0866	2.2524
1.0028	1.1370	2.3623
0.9976	1.3722	2.8491

Qstd slope (m) = 2.07593
intercept (b) = -0.00102
coefficient (r) = 0.99996

y axis = SQRT[H2O(Pa/760)(298/Ta)]

Va	(x axis) Qa	(y axis)
0.9958	0.6755	0.8791
0.9916	0.9590	1.2433
0.9895	1.0709	1.3900
0.9884	1.1206	1.4579
0.9832	1.3524	1.7583

Qa slope (m) = 1.29991
intercept (b) = -0.00063
coefficient (r) = 0.99996

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}

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Performance Check of Turbidity Meter

Equipment Ref. No. : ET/0505/010 Manufacturer : HACH

Model No. : 2100Q Serial No. : 11110 C 014260

Date of Calibration : 07/04/2014 Due Date : 06/07/2014

Theoretical Value of Turbidity Standard (NTU)	Measured Value (NTU)	Difference % *
20	19.5	-2.50
100	103	3.00
800	792	-1.00

(*) 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 : _____

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Performance Check of Turbidity Meter

Equipment Ref. No.	: ET/0505/010	Manufacturer	: HACH
Model No.	: 2100Q	Serial No.	: 11110 C 014260
Date of Calibration	: 07/07/2014	Due Date	: 06/10/2014

Ref. No. of Turbidity Standard used (4000NTU)	005/6.1/001/6

Theoretical Value of Turbidity Standard (NTU)	Measured Value (NTU)	Difference % *
20	20.2	1.00
100	104	4.00
800	794	-0.75

(*) 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 : _____

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Internal Calibration & Performance Check of pH Meter

Equipment Ref. No. : ET/EW/007/003 Manufacturer : HANNA

Model No. : HI 8314 Serial No. : 674469

Date of Calibration : 10/06/2014 Calibration Due Date : 09/07/2014

Liquid Junction Error

Primary Standard Solution Used : Phosphate Ref No. of Primary Solution: 003/5.2/001/18

Temperature of Solution : 20.0 $\Delta pH_{½}$ = +0.08

pH value of diluted buffer : 6.77 pH (S) = 6.881

ΔpH = pH(S) - pH of diluted buffer = 0.111 (Observed Deviation)

Liquid Junction Error (ΔpH_j) = ΔpH - $\Delta pH_{½}$ = 0.031

Shift on Stirring

pH of buffer solution (with stirring), pH_s = 6.92

Shift on stirring, ΔpH_s= pH_s - pH(S) - ΔpH_j = 0.008

Noise

Noise, ΔpH_n = difference between max and min reading : 0.00

Verification of ATC

Ref. No. of reference thermometer used: ET/0521/008

Temperature record from the reference thermometer (T_R): 19.6 °C

Temperature record from the ATC (T_{ATC}): 19.5 °C

Temperature Difference, $|T_R - T_{ATC}|$ 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 :

CPE/015/W

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ETS-TESTCONSULT LIMITED

Internal Calibration & Performance Check of pH Meter

Equipment Ref. No. :	ET/EW/007/003	Manufacturer :	HANNA
Model No. :	HI 8314	Serial No. :	674469
Date of Calibration :	10/07/2014	Calibration Due Date :	09/08/2014

Liquid Junction Error

Primary Standard Solution Used : Phosphate — Ref No. of Primary Solution: 003/5.2/001/18

Temperature of Solution : 20.0 — $\Delta pH_{½}$ = +0.08

pH value of diluted buffer : 6.78 — pH (S) = 6.881

ΔpH = pH(S) - pH of diluted buffer = 0.101 (Observed Deviation)

Liquid Junction Error (ΔpH_j) = ΔpH - $\Delta pH_{½}$ = 0.021

Shift on Stirring

pH of buffer solution (with stirring), pH_s = 6.92

Shift on stirring, ΔpH_s= pH_s - pH(S) - ΔpH_j = 0.018

Noise

Noise, ΔpH_n = difference between max and min reading : 0.00

Verification of ATC

Ref. No. of reference thermometer used: ET/0521/008

Temperature record from the reference thermometer (T_R): 19.6 °C

Temperature record from the ATC (T_{ATC}): 19.5 °C

Temperature Difference, $|T_R - T_{ATC}|$ 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 : _____

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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	:	18/06/2014	Calibration Due Date	:	17/09/2014

Temperature Verification

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

Ref. No. of Water Bath : ---

	Temperature (°C)			
Reference Thermometer reading	Measured	20.0	Corrected	19.6
DO Meter reading	Measured	19.5	Difference	0.1

Standardization of sodium thiosulphate ($Na_2S_2O_3$) solution

Reagent No. of $Na_2S_2O_3$ titrant	CPE/012/4.5/001/8	Reagent No. of 0.025N $K_2Cr_2O_7$	CPE/012/4.4/001/27

	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	20.35
Vol. of $Na_2S_2O_3$ used (ml)	10.20	10.15
Normality of $Na_2S_2O_3$ solution (N)	0.02451	0.02463
Average Normality (**N**) of $Na_2S_2O_3$ solution (N)	0.02457	
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	11.90	23.80	0.00	7.70	12.80
Final Vol. of $Na_2S_2O_3$ (ml)	11.90	23.80	31.40	7.70	12.80	17.80
Vol. (**V**) of $Na_2S_2O_3$ used (ml)	11.90	11.90	7.60	7.70	5.10	5.00
Dissolved Oxygen (**DO**), mg/L	7.85	7.85	5.01	5.08	3.36	3.30
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	7.68	7.72	7.70	7.85	7.85	7.85	1.93
5	5.12	5.14	5.13	5.01	5.08	5.05	1.57
10	3.28	3.24	3.26	3.36	3.30	3.33	2.12
Linear regression coefficient				0.9979			

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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/012/4.7/002/21	Reagent No. of NaCl (30ppt)	CPE/012/4.8/002/21

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	12.20	24.40	35.40
Final Vol. of $Na_2S_2O_3$ (ml)	12.20	24.40	35.40	46.50
Vol. (**V**) of $Na_2S_2O_3$ used (ml)	12.20	12.20	11.00	11.10
Dissolved Oxygen (**DO**), mg/L	8.05	8.05	7.26	7.32
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	7.95	7.98	7.97	8.05	8.05	8.05	1.00
30	7.12	7.15	7.14	7.26	7.32	7.29	2.08

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 :	18/06/2014	Due Date :	17/09/2014

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

Salinity Standard (ppt)	Measured Salinity (ppt)	Difference %
30.0	29.7	-1.0

(*) 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 : _____

Appendix F

EM&A Monitoring Schedules

HY/2012/08 - Tuen Mun - Chek Lap Kok Link
Northern Connection Sub-sea Tunnel Section
Air Quality Impact Monitoring Schedule - July 2014

Air quality monitoring stations: ASR1, ASR5, ASR6, ASR10, AQMS1

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		public holiday 01-Jul	02-Jul	03-Jul	04-Jul	05-Jul
						1-hour TSP - 3 times 24-hour TSP - 1 time Impact AQM
06-Jul	07-Jul	08-Jul	09-Jul	10-Jul	11-Jul	12-Jul
					1-hour TSP - 3 times 24-hour TSP - 1 time Impact AQM	
13-Jul	14-Jul	15-Jul	16-Jul	17-Jul	18-Jul	*19-Jul
						1-hour TSP - 3 times 24-hour TSP - 1 time *Impact AQM
20-Jul	21-Jul	22-Jul	23-Jul	24-Jul	25-Jul	26-Jul
			1-hour TSP - 3 times 24-hour TSP - 1 time Impact AQM			
27-Jul	28-Jul	29-Jul	30-Jul	31-Jul		
		1-hour TSP - 3 times 24-hour TSP - 1 time Impact AQM				

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.

* Note: Impact Air Quality Monitoring on 17 July 2014 was postponed to 19 July 2014 due to adverse weather conditions.

HY/2012/08 - Tuen Mun - Chek Lap Kok Link
Northern Connection Sub-sea Tunnel Section
Tentative Air Quality Impact Monitoring Schedule - August 2014

Air quality monitoring stations: ASR1, ASR5, ASR6, ASR10, AQMS1

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
	1-hour TSP - 3 times 24-hour TSP - 1 time Impact AQM				1-hour TSP - 3 times 24-hour TSP - 1 time Impact AQM	
10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug
				1-hour TSP - 3 times 24-hour TSP - 1 time Impact AQM		
17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug
			1-hour TSP - 3 times 24-hour TSP - 1 time Impact AQM			
24-Aug	25-Aug	26-Aug	27-Aug	28-Aug	29-Aug	30-Aug
		1-hour TSP - 3 times 24-hour TSP - 1 time Impact AQM				
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/2012/08 - Tuen Mun - Chek Lap Kok Link - Northern Connection Sub-sea Tunnel Section
Impact Marine Water Quality Monitoring (WQM) Schedule (July 14)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		01-Jul	02-Jul	03-Jul	04-Jul	05-Jul
			WQM Mid-Flood 9:06 (07:21 - 10:51) Mid-Ebb 15:59 (14:14 - 17:44)		**WQM** Mid-Flood 10:35 (08:50 - 12:20) Mid-Ebb 17:09 (15:24 - 18:54)	
06-Jul	07-Jul	08-Jul	09-Jul	10-Jul	11-Jul	12-Jul
	WQM Mid-Ebb 8:36 (06:51 - 10:21) Mid-Flood 14:53 (13:08 - 16:38)		**WQM** Mid-Ebb 10:30 (08:45 - 12:15) Mid-Flood 17:33 (15:48 - 19:18)		**WQM** Mid-Ebb 12:04 (10:19 - 13:49) Mid-Flood 19:14 (17:29 - 20:59)	
13-Jul	14-Jul	15-Jul	16-Jul	17-Jul	18-Jul	19-Jul
	WQM Mid-Ebb 14:25 (12:40 - 16:10) Mid-Flood 21:25 (19:40 - 23:10)		**WQM** Mid-Flood 9:15 (07:30 - 11:00) Mid-Ebb 15:56 (14:11 - 17:41)			
20-Jul	21-Jul	22-Jul	23-Jul	24-Jul	25-Jul	26-Jul
	WQM Mid-Ebb 9:08 (07:23 - 10:53) Mid-Flood 15:41 (13:56 - 17:26)		**WQM** Mid-Ebb 10:58 (09:13 - 12:43) Mid-Flood 18:03 (16:18 - 19:48)		**WQM** Mid-Ebb 12:19 (10:34 - 14:04) Mid-Flood 19:16 (17:31 - 21:01)	
27-Jul	28-Jul	29-Jul	30-Jul	31-Jul		
	WQM Mid-Ebb 14:02 (12:17 - 15:47) Mid-Flood 20:45 (19:00 - 22:30)		**WQM** Mid-Ebb 8:19 (06:34 - 10:04) Mid-Flood 15:00 (13:15 - 16:45)			

***** Note:

No impact water quality monitoring was conducted on 18 July 2014 due to adverse weather conditions.

HY/2012/08 - Tuen Mun - Chek Lap Kok Link - Northern Connection Sub-sea Tunnel Section
Tentative Impact Marine Water Quality Monitoring (WQM) Schedule (August 2014)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					01-Aug	02-Aug
					WQM Mid-Flood 9:37 (07:52 - 11:22) Mid-Ebb 16:00 (14:15 - 17:45)	
03-Aug	04-Aug	05-Aug	06-Aug	07-Aug	08-Aug	09-Aug
	WQM Mid-Flood 12:52 (11:07 - 14:37) Mid-Ebb 18:29 (16:44 - 20:14)		**WQM** Mid-Ebb 9:02 (07:17 - 10:47) Mid-Flood 16:20 (14:35 - 18:05)		**WQM** Mid-Ebb 10:56 (09:11 - 12:41) Mid-Flood 18:12 (16:27 - 19:57)	
10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug
	WQM Mid-Ebb 13:22 (11:37 - 15:07) Mid-Flood 20:14 (18:29 - 21:59)		**WQM** Mid-Flood 8:18 (06:33 - 10:03) Mid-Ebb 14:51 (13:06 - 16:36)		**WQM** Mid-Flood 10:04 (08:19 - 11:49) Mid-Ebb 16:12 (14:27 - 17:57)	
17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug
	WQM Mid-Flood 13:48 (12:03 - 15:33) Mid-Ebb 18:50 (17:05 - 20:35)		**WQM** Mid-Ebb 9:40 (07:55 - 11:25) Mid-Flood 17:08 (15:23 - 18:53)		**WQM** Mid-Ebb 11:18 (09:33 - 13:03) Mid-Flood 18:19 (16:34 - 20:04)	
24-Aug	25-Aug	26-Aug	27-Aug	28-Aug	29-Aug	30-Aug
	WQM Mid-Ebb 13:06 (11:21 - 14:51) Mid-Flood 19:38 (17:53 - 21:23)		**WQM** Mid-Ebb 14:04 (12:19 - 15:49) Mid-Flood 20:23 (18:38 - 22:08)		**WQM** Mid-Flood 8:48 (07:03 - 10:33) Mid-Ebb 15:02 (13:17 - 16:47)	
31-Aug						

HY/2012/08 - Tuen Mun - Chek Lap Kok Link
Northern Connection Sub-sea Tunnel Section
Impact Dolphin Monitoring Survey Monitoring Schedule - July 2014

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

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/2012/08 - Tuen Mun - Chek Lap Kok Link
Northern Connection Sub-sea Tunnel Section
Tentative Impact Dolphin Monitoring Survey Monitoring Schedule - August 2014

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

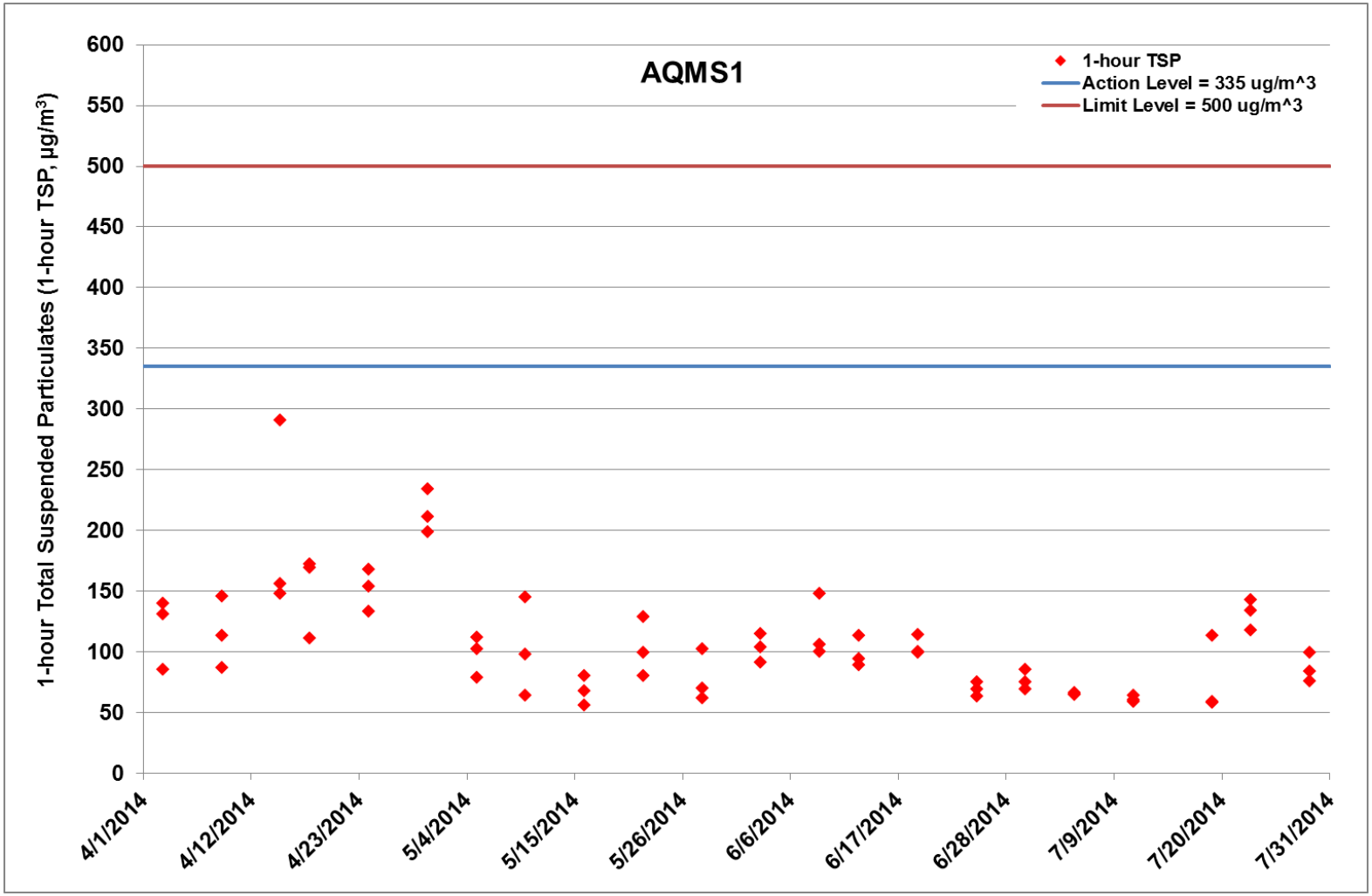


Figure G.1 Impact Monitoring – 1-hour Total Suspended Particulates (µg/m³) at AQMS1 between 1 April 2014 and 31 July 2014 during impact monitoring period. The weather conditions during the monitoring period varied from sunny to cloudy. Major land-based construction activities included: Diaphragm Wall Construction at Reclamation Area – Portion N-A (14/5/2014 – 31/7/2014) & Construction of CLP Temporary Substation at N6 (1/4/2014 – 31/7/2014). Impact Air Quality Monitoring on 17 July 2014 was postponed to 19 July 2014 due to adverse weather condition.

Ref: 0212330_Impact AQM graphs_Jul 2014_REV a.xlsx

ERM

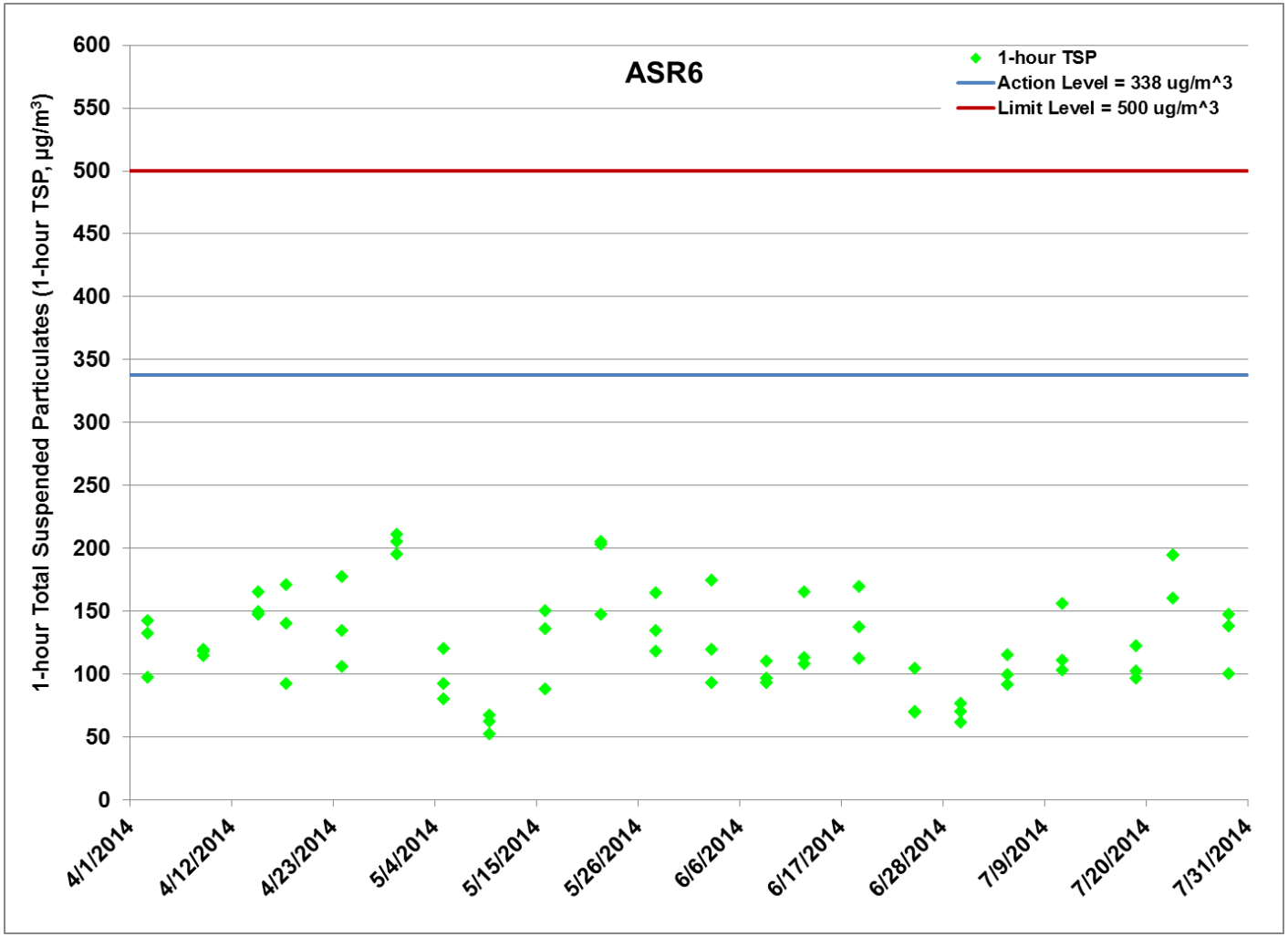


Figure G.2 Impact Monitoring – 1-hour Total Suspended Particulates (µg/m³) at ASR6 between 1 April 2014 and 31 July 2014 during impact monitoring period. The weather conditions during the monitoring period varied from sunny to cloudy. Major land-based construction activities included: Diaphragm Wall Construction at Reclamation Area – Portion N-A (14/5/2014 – 31/7/2014) & Construction of CLP Temporary Substation at N6 (1/4/2014 – 31/7/2014). Impact Air Quality Monitoring on 17 July 2014 was postponed to 19 July 2014 due to adverse weather condition.

Ref: 0212330_Impact AQM graphs_Jul 2014_REV a.xlsx

ERM

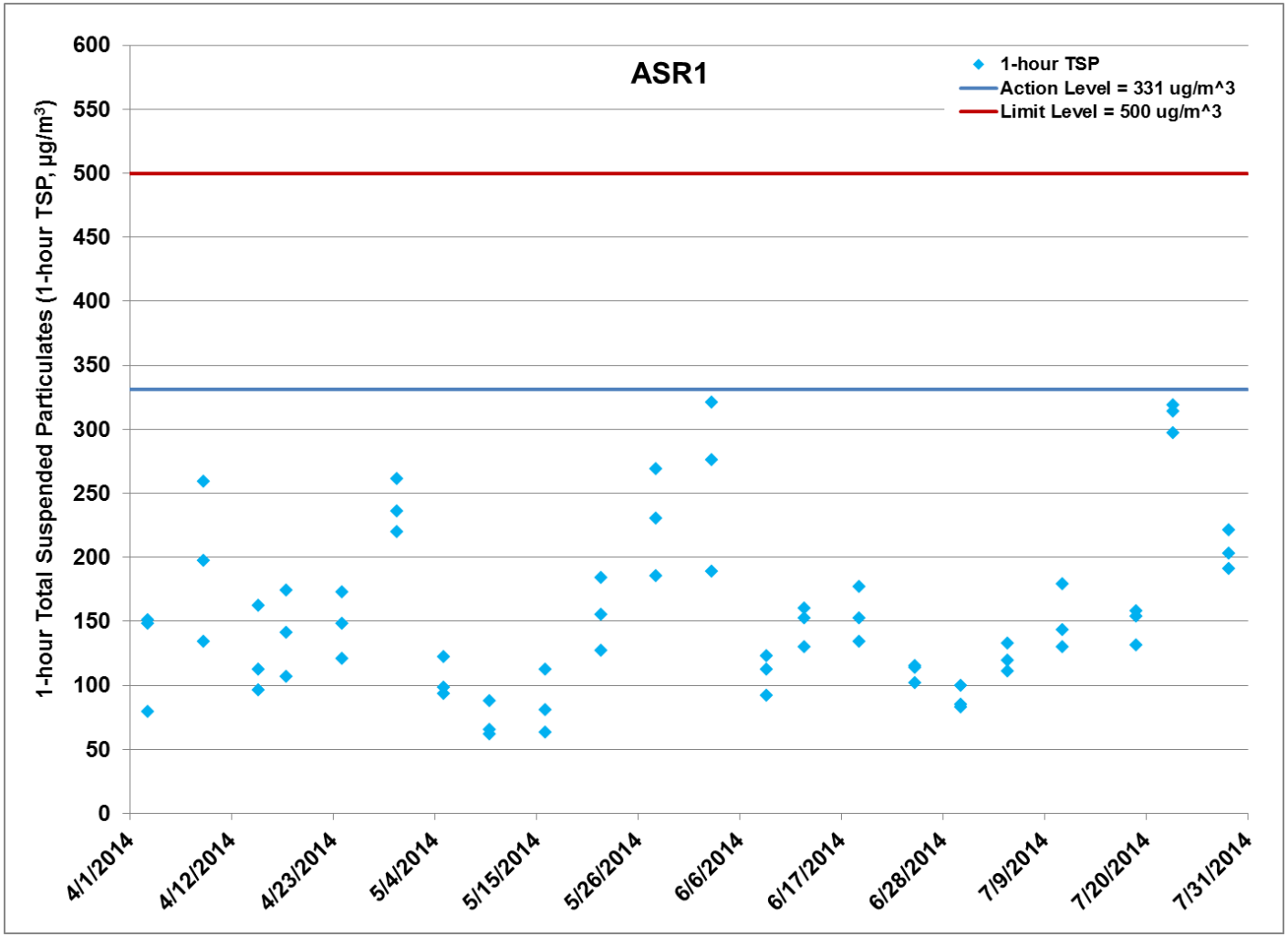


Figure G.3 Impact Monitoring – 1-hour Total Suspended Particulates (µg/m³) at ASR1 between 1 April 2014 and 31 July 2014 during impact monitoring period. The weather conditions during the monitoring period varied from sunny to cloudy. Major land-based construction activities included: Diaphragm Wall Construction at Reclamation Area – Portion N-A (14/5/2014 – 31/7/2014) & Construction of CLP Temporary Substation at N6 (1/4/2014 – 31/7/2014). Impact Air Quality Monitoring on 17 July 2014 was postponed to 19 July 2014 due to adverse weather condition.

Ref: 0212330_Impact AQM graphs_Jul 2014_REV a.xlsx

ERM

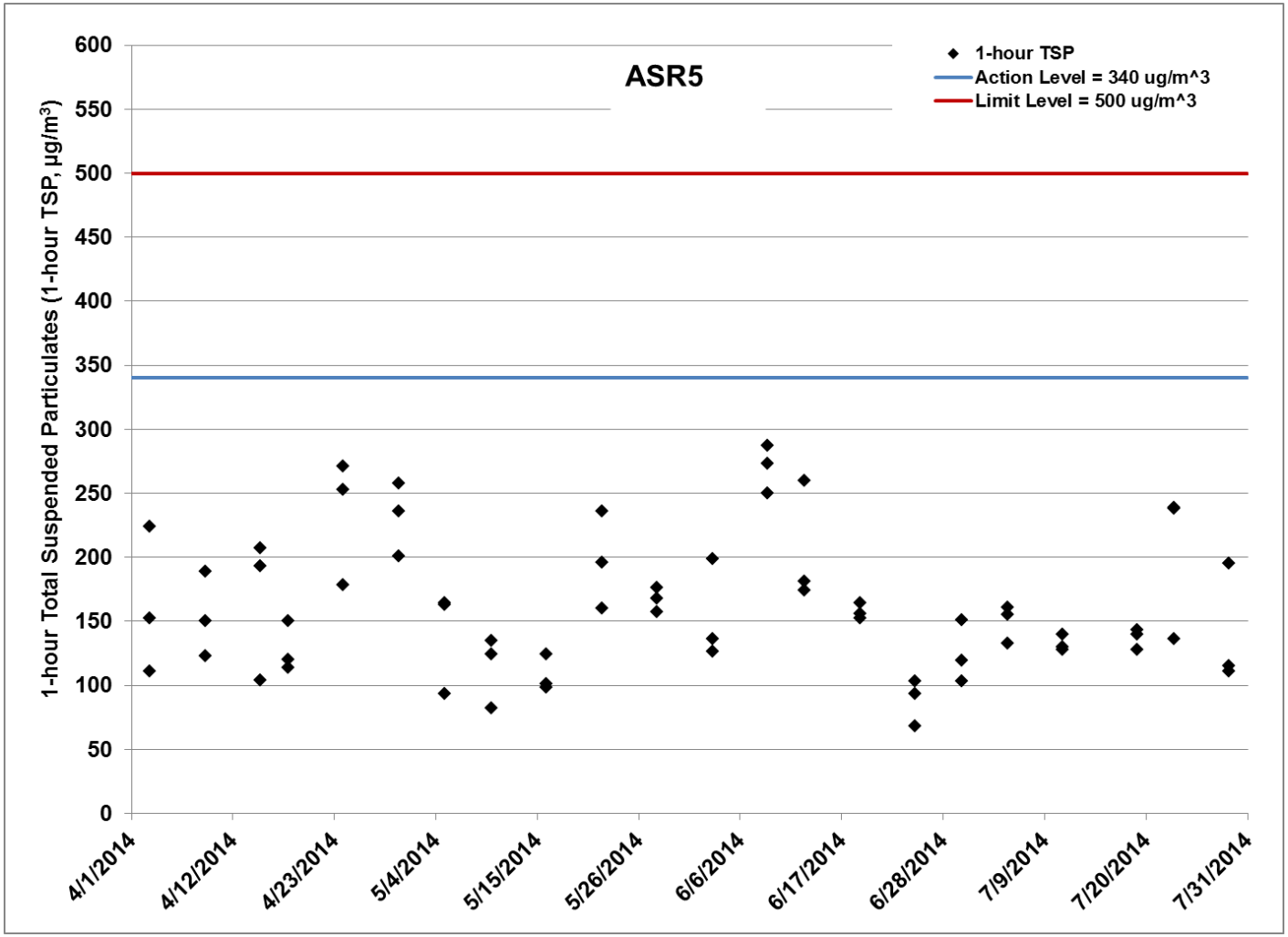


Figure G.4 Impact Monitoring – 1-hour Total Suspended Particulates (µg/m³) at ASR5 between 1 April 2014 and 31 July 2014 during impact monitoring period. The weather conditions during the monitoring period varied from sunny to cloudy. Major land-based construction activities included: Diaphragm Wall Construction at Reclamation Area – Portion N-A (14/5/2014 – 31/7/2014) & Construction of CLP Temporary Substation at N6 (1/4/2014 – 31/7/2014). Impact Air Quality Monitoring on 17 July 2014 was postponed to 19 July 2014 due to adverse weather condition.

Ref: 0212330_Impact AQM graphs_Jul 2014_REV a.xlsx

ERM

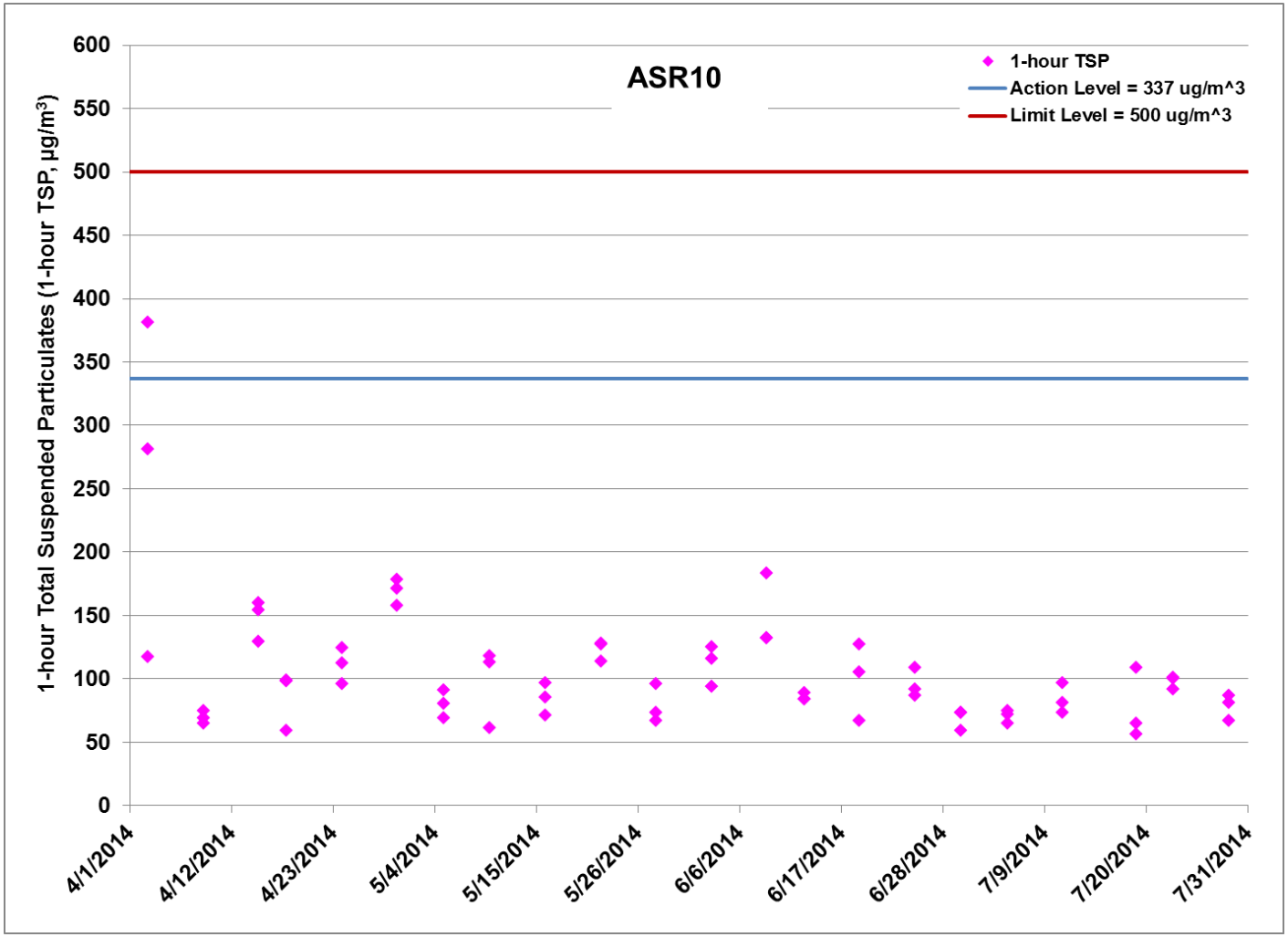


Figure G.5 Impact Monitoring – 1-hour Total Suspended Particulates (µg/m³) at ASR10 between 1 April 2014 and 31 July 2014 during impact monitoring period. The weather conditions during the monitoring period varied from sunny to cloudy. Major land-based construction activities included: Diaphragm Wall Construction at Reclamation Area – Portion N-A (14/5/2014 – 31/7/2014) & Construction of CLP Temporary Substation at N6 (1/4/2014 – 31/7/2014). Impact Air Quality Monitoring on 17 July 2014 was postponed to 19 July 2014 due to adverse weather condition.

Ref: 0212330_Impact AQM graphs_Jul 2014_REV a.xlsx

ERM

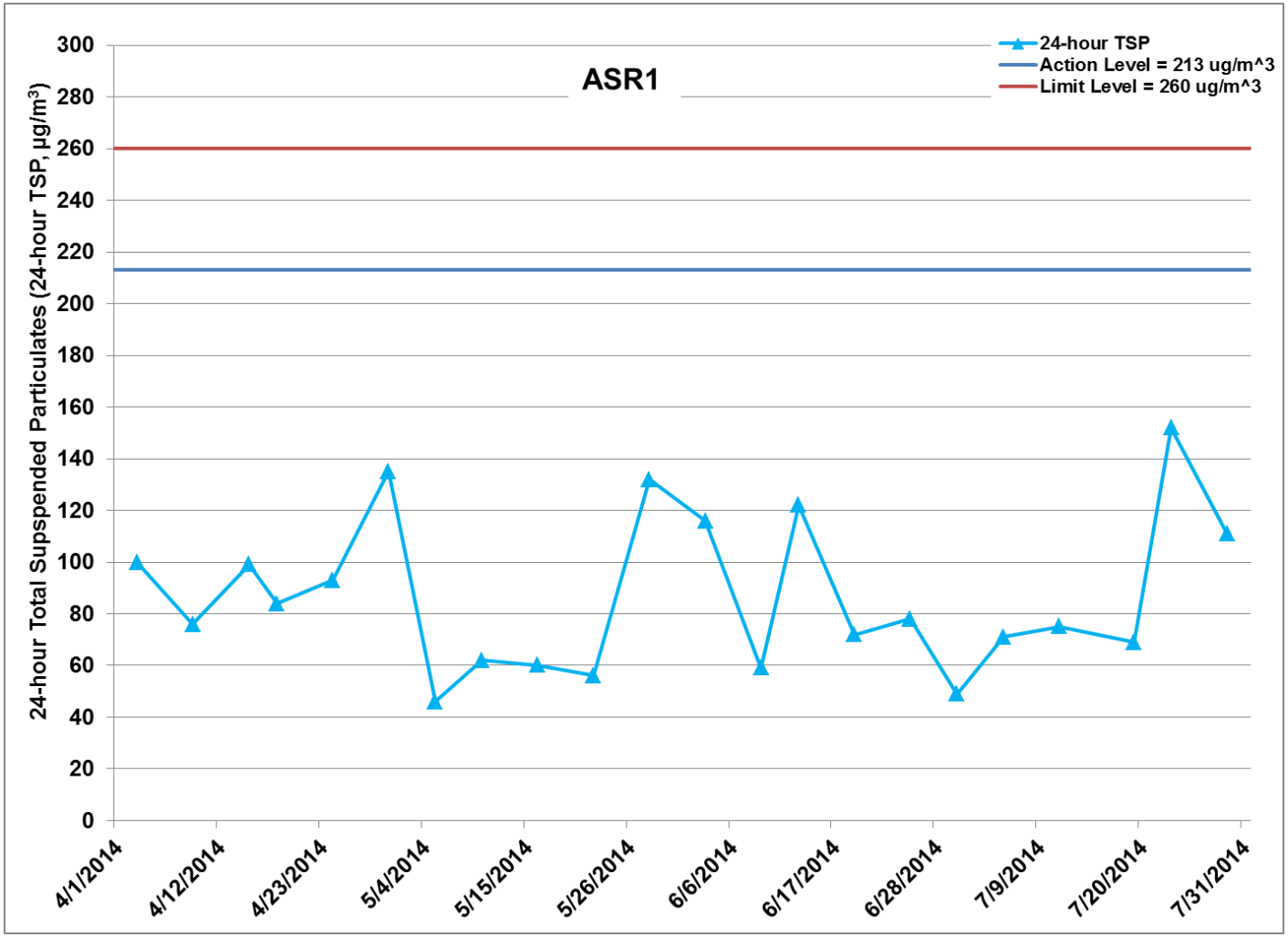


Figure G.6 Impact Monitoring – 24-hour Total Suspended Particulates (µg/m³) at ASR1 between 1 April 2014 and 31 July 2014 during impact monitoring period. The weather conditions during the monitoring period varied from sunny to cloudy. Major land-based construction activities included: Diaphragm Wall Construction at Reclamation Area – Portion N-A (14/5/2014 – 31/7/2014) & Construction of CLP Temporary Substation at N6 (1/4/2014 – 31/7/2014). Impact Air Quality Monitoring on 17 July 2014 was postponed to 19 July 2014 due to adverse weather condition.

Ref: 0212330_Impact AQM graphs_Jul 2014_REV a.xlsx

ERM

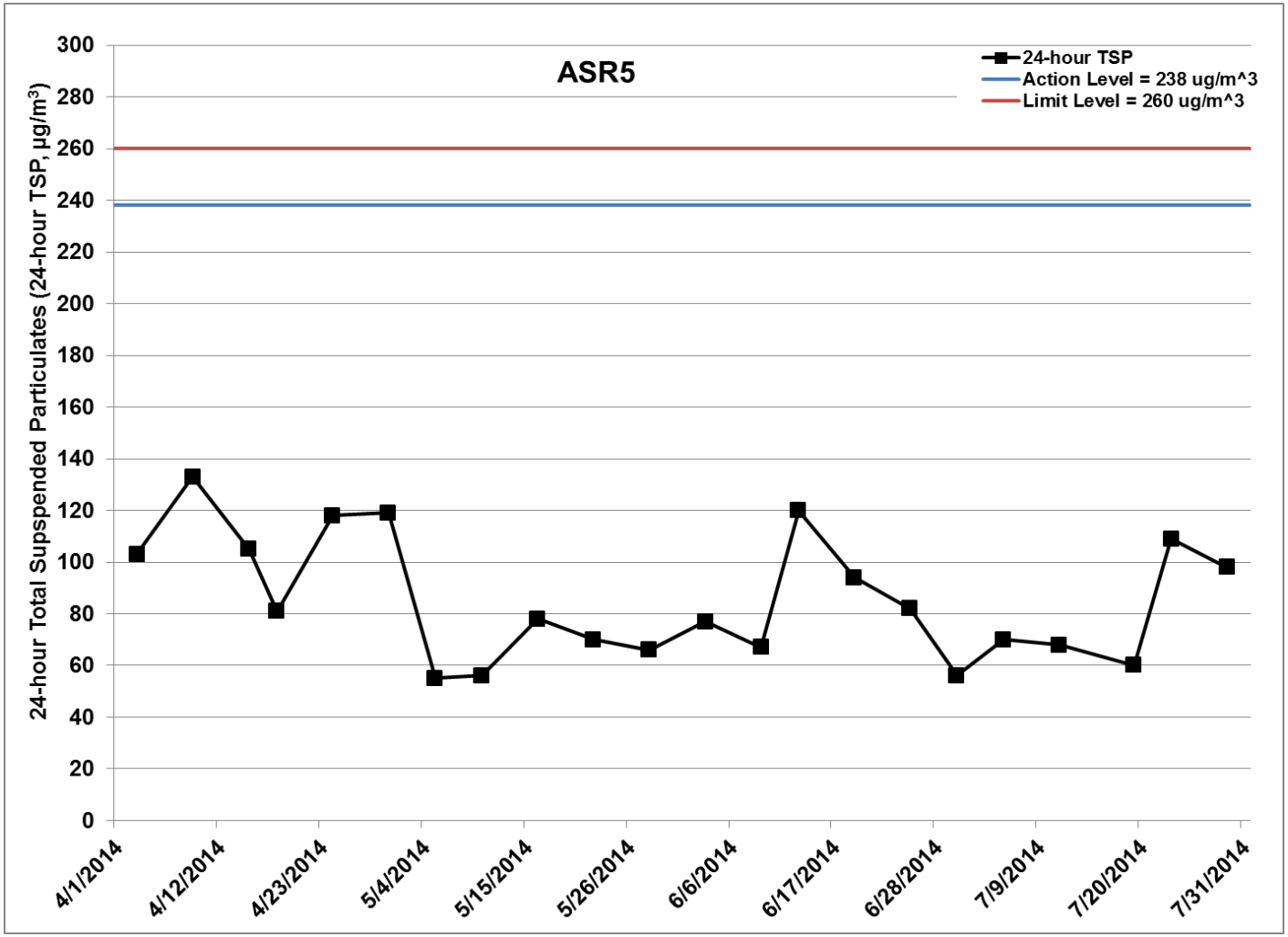


Figure G.7 Impact Monitoring – 24-hour Total Suspended Particulates (µg/m³) at ASR5 between 1 April 2014 and 31 July 2014 during impact monitoring period. The weather conditions during the monitoring period varied from sunny to cloudy. Major land-based construction activities included: Diaphragm Wall Construction at Reclamation Area – Portion N-A (14/5/2014 – 31/7/2014) & Construction of CLP Temporary Substation at N6 (1/4/2014 – 31/7/2014). Impact Air Quality Monitoring on 17 July 2014 was postponed to 19 July 2014 due to adverse weather condition.

Ref: 0212330_Impact AQM graphs_Jul 2014_REV a.xlsx

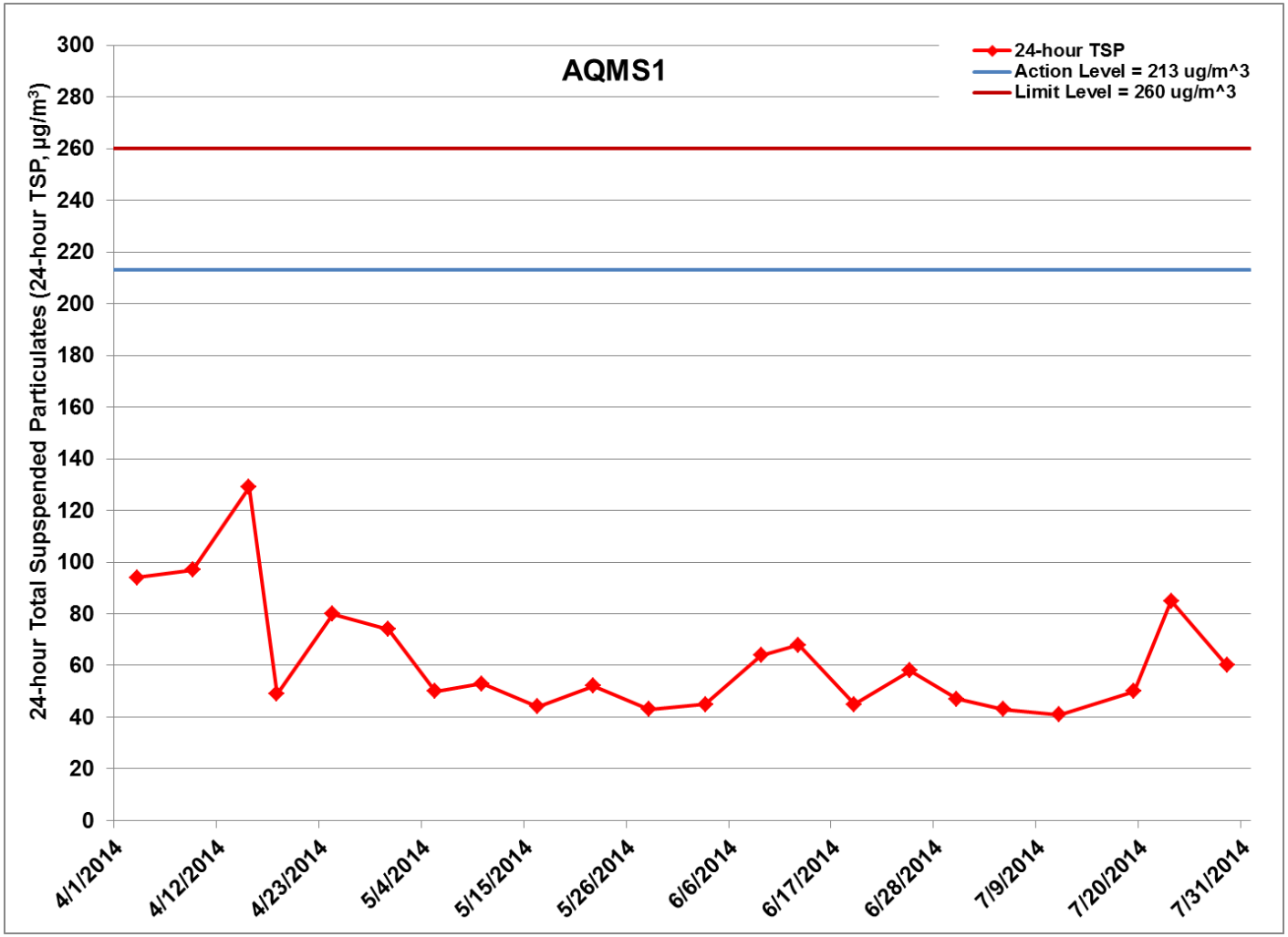


Figure G.8 Impact Monitoring – 24-hour Total Suspended Particulates (µg/m³) at AQMS1 between 1 April 2014 and 31 July 2014 during impact monitoring period. The weather conditions during the monitoring period varied from sunny to cloudy. Major land-based construction activities included: Diaphragm Wall Construction at Reclamation Area – Portion N-A (14/5/2014 – 31/7/2014) & Construction of CLP Temporary Substation at N6 (1/4/2014 – 31/7/2014). Impact Air Quality Monitoring on 17 July 2014 was postponed to 19 July 2014 due to adverse weather condition.

Ref: 0212330_Impact AQM graphs_Jul 2014_REV a.xlsx

ERM

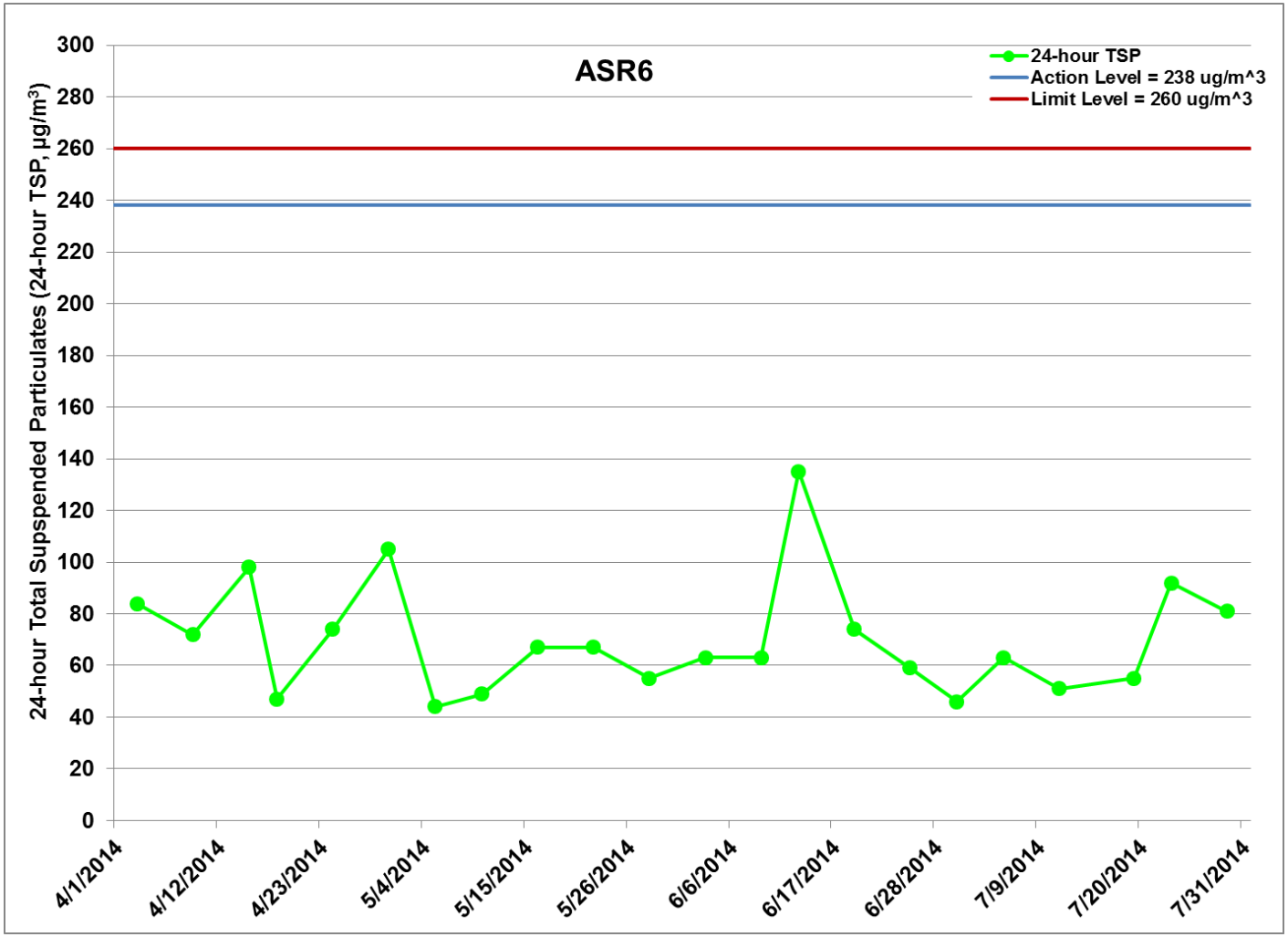


Figure G.9 Impact Monitoring – 24-hour Total Suspended Particulates (µg/m³) at ASR6 between 1 April 2014 and 31 July 2014 during impact monitoring period. The weather conditions during the monitoring period varied from sunny to cloudy. Major land-based construction activities included: Diaphragm Wall Construction at Reclamation Area – Portion N-A (14/5/2014 – 31/7/2014) & Construction of CLP Temporary Substation at N6 (1/4/2014 – 31/7/2014). Impact Air Quality Monitoring on 17 July 2014 was postponed to 19 July 2014 due to adverse weather condition.

Ref: 0212330_Impact AQM graphs_Jul 2014_REV a.xlsx

ERM

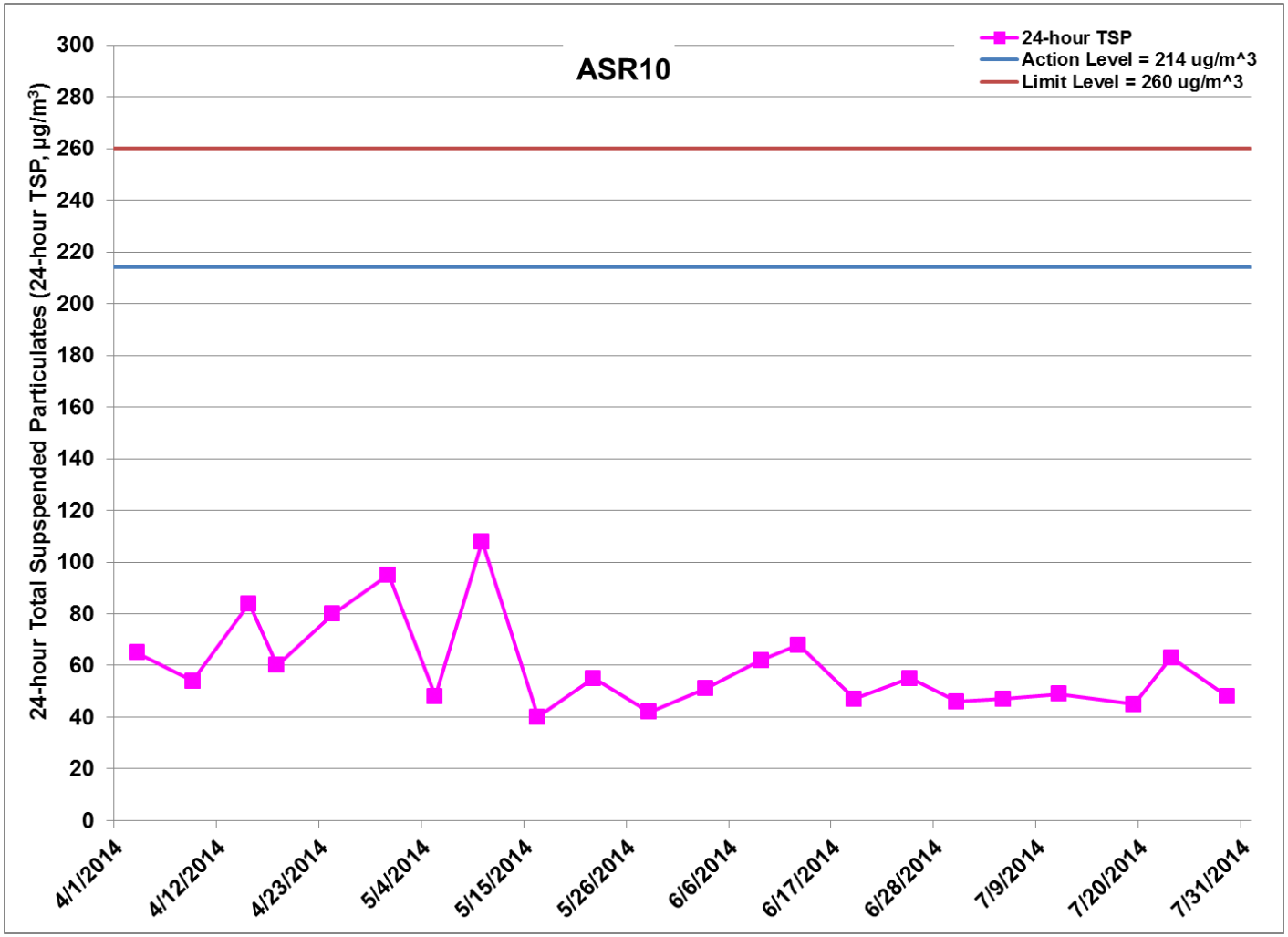


Figure G.10 Impact Monitoring – 24-hour Total Suspended Particulates (µg/m³) at ASR10 between 1 April 2014 and 31 July 2014 during impact monitoring period. The weather conditions during the monitoring period varied from sunny to cloudy. Major land-based construction activities included: Diaphragm Wall Construction at Reclamation Area – Portion N-A (14/5/2014 – 31/7/2014) & Construction of CLP Temporary Substation at N6 (1/4/2014 – 31/7/2014). Impact Air Quality Monitoring on 17 July 2014 was postponed to 19 July 2014 due to adverse weather condition.

Ref: 0212330_Impact AQM graphs_Jul 2014_REV a.xlsx

Project	Works	Date	Station	Weather	Start time	Parameters	Results	units
TMCLKL	HY/2012/08	2014-07-05	ASR6	Sunny	13:06	1-hour TSP	99	ug/m3
TMCLKL	HY/2012/08	2014-07-05	ASR6	Sunny	14:08	1-hour TSP	91	ug/m3
TMCLKL	HY/2012/08	2014-07-05	ASR6	Sunny	15:10	1-hour TSP	115	ug/m3
TMCLKL	HY/2012/08	2014-07-11	ASR6	Sunny	13:06	1-hour TSP	103	ug/m3
TMCLKL	HY/2012/08	2014-07-11	ASR6	Sunny	14:08	1-hour TSP	111	ug/m3
TMCLKL	HY/2012/08	2014-07-11	ASR6	Sunny	15:10	1-hour TSP	156	ug/m3
TMCLKL	HY/2012/08	2014-07-19	ASR6	Sunny	14:15	1-hour TSP	96	ug/m3
TMCLKL	HY/2012/08	2014-07-19	ASR6	Sunny	15:17	1-hour TSP	122	ug/m3
TMCLKL	HY/2012/08	2014-07-19	ASR6	Sunny	16:19	1-hour TSP	102	ug/m3
TMCLKL	HY/2012/08	2014-07-23	ASR6	Sunny	13:14	1-hour TSP	194	ug/m3
TMCLKL	HY/2012/08	2014-07-23	ASR6	Sunny	14:16	1-hour TSP	194	ug/m3
TMCLKL	HY/2012/08	2014-07-23	ASR6	Sunny	15:18	1-hour TSP	160	ug/m3
TMCLKL	HY/2012/08	2014-07-29	ASR6	Sunny	12:44	1-hour TSP	138	ug/m3
TMCLKL	HY/2012/08	2014-07-29	ASR6	Sunny	13:46	1-hour TSP	147	ug/m3
TMCLKL	HY/2012/08	2014-07-29	ASR6	Sunny	14:48	1-hour TSP	100	ug/m3
TMCLKL	HY/2012/08	2014-07-05	ASR1	Sunny	13:27	1-hour TSP	133	ug/m3
TMCLKL	HY/2012/08	2014-07-05	ASR1	Sunny	14:29	1-hour TSP	119	ug/m3
TMCLKL	HY/2012/08	2014-07-05	ASR1	Sunny	15:31	1-hour TSP	111	ug/m3
TMCLKL	HY/2012/08	2014-07-11	ASR1	Sunny	13:29	1-hour TSP	130	ug/m3
TMCLKL	HY/2012/08	2014-07-11	ASR1	Sunny	14:31	1-hour TSP	179	ug/m3
TMCLKL	HY/2012/08	2014-07-11	ASR1	Sunny	15:33	1-hour TSP	143	ug/m3
TMCLKL	HY/2012/08	2014-07-19	ASR1	Sunny	14:38	1-hour TSP	158	ug/m3
TMCLKL	HY/2012/08	2014-07-19	ASR1	Sunny	15:40	1-hour TSP	154	ug/m3
TMCLKL	HY/2012/08	2014-07-19	ASR1	Sunny	16:42	1-hour TSP	131	ug/m3
TMCLKL	HY/2012/08	2014-07-23	ASR1	Sunny	13:36	1-hour TSP	314	ug/m3
TMCLKL	HY/2012/08	2014-07-23	ASR1	Sunny	14:38	1-hour TSP	319	ug/m3
TMCLKL	HY/2012/08	2014-07-23	ASR1	Sunny	15:40	1-hour TSP	297	ug/m3
TMCLKL	HY/2012/08	2014-07-29	ASR1	Sunny	13:07	1-hour TSP	203	ug/m3
TMCLKL	HY/2012/08	2014-07-29	ASR1	Sunny	14:09	1-hour TSP	191	ug/m3
TMCLKL	HY/2012/08	2014-07-29	ASR1	Sunny	15:11	1-hour TSP	221	ug/m3

Project	Works	Date	Station	Weather	Start time	Parameters	Results	units
TMCLKL	HY/2012/08	2014-07-05	ASR5	Sunny	13:16	1-hour TSP	133	ug/m3
TMCLKL	HY/2012/08	2014-07-05	ASR5	Sunny	14:18	1-hour TSP	161	ug/m3
TMCLKL	HY/2012/08	2014-07-05	ASR5	Sunny	15:20	1-hour TSP	155	ug/m3
TMCLKL	HY/2012/08	2014-07-11	ASR5	Sunny	13:17	1-hour TSP	140	ug/m3
TMCLKL	HY/2012/08	2014-07-11	ASR5	Sunny	14:19	1-hour TSP	128	ug/m3
TMCLKL	HY/2012/08	2014-07-11	ASR5	Sunny	15:21	1-hour TSP	130	ug/m3
TMCLKL	HY/2012/08	2014-07-19	ASR5	Sunny	14:26	1-hour TSP	128	ug/m3
TMCLKL	HY/2012/08	2014-07-19	ASR5	Sunny	15:28	1-hour TSP	143	ug/m3
TMCLKL	HY/2012/08	2014-07-19	ASR5	Sunny	16:30	1-hour TSP	140	ug/m3
TMCLKL	HY/2012/08	2014-07-23	ASR5	Sunny	13:24	1-hour TSP	239	ug/m3
TMCLKL	HY/2012/08	2014-07-23	ASR5	Sunny	14:26	1-hour TSP	136	ug/m3
TMCLKL	HY/2012/08	2014-07-23	ASR5	Sunny	15:28	1-hour TSP	238	ug/m3
TMCLKL	HY/2012/08	2014-07-29	ASR5	Sunny	12:55	1-hour TSP	111	ug/m3
TMCLKL	HY/2012/08	2014-07-29	ASR5	Sunny	13:57	1-hour TSP	115	ug/m3
TMCLKL	HY/2012/08	2014-07-29	ASR5	Sunny	14:59	1-hour TSP	195	ug/m3
TMCLKL	HY/2012/08	2014-07-05	ASR10	Sunny	12:55	1-hour TSP	65	ug/m3
TMCLKL	HY/2012/08	2014-07-05	ASR10	Sunny	13:57	1-hour TSP	72	ug/m3
TMCLKL	HY/2012/08	2014-07-05	ASR10	Sunny	14:59	1-hour TSP	75	ug/m3
TMCLKL	HY/2012/08	2014-07-11	ASR10	Sunny	12:55	1-hour TSP	97	ug/m3
TMCLKL	HY/2012/08	2014-07-11	ASR10	Sunny	13:57	1-hour TSP	81	ug/m3
TMCLKL	HY/2012/08	2014-07-11	ASR10	Sunny	14:59	1-hour TSP	73	ug/m3
TMCLKL	HY/2012/08	2014-07-19	ASR10	Sunny	14:05	1-hour TSP	65	ug/m3
TMCLKL	HY/2012/08	2014-07-19	ASR10	Sunny	15:07	1-hour TSP	56	ug/m3
TMCLKL	HY/2012/08	2014-07-19	ASR10	Sunny	16:09	1-hour TSP	109	ug/m3
TMCLKL	HY/2012/08	2014-07-23	ASR10	Sunny	13:03	1-hour TSP	92	ug/m3
TMCLKL	HY/2012/08	2014-07-23	ASR10	Sunny	14:05	1-hour TSP	100	ug/m3
TMCLKL	HY/2012/08	2014-07-23	ASR10	Sunny	15:07	1-hour TSP	101	ug/m3
TMCLKL	HY/2012/08	2014-07-29	ASR10	Sunny	12:33	1-hour TSP	81	ug/m3
TMCLKL	HY/2012/08	2014-07-29	ASR10	Sunny	13:35	1-hour TSP	67	ug/m3
TMCLKL	HY/2012/08	2014-07-29	ASR10	Sunny	14:37	1-hour TSP	87	ug/m3

Project	Works	Date	Station	Weather	Start time	Parameters	Results	units
TMCLKL	HY/2012/08	2014-07-05	AQMS1	Sunny	13:40	1-hour TSP	66	ug/m3
TMCLKL	HY/2012/08	2014-07-05	AQMS1	Sunny	14:42	1-hour TSP	65	ug/m3
TMCLKL	HY/2012/08	2014-07-05	AQMS1	Sunny	15:44	1-hour TSP	65	ug/m3
TMCLKL	HY/2012/08	2014-07-11	AQMS1	Sunny	13:40	1-hour TSP	64	ug/m3
TMCLKL	HY/2012/08	2014-07-11	AQMS1	Sunny	14:42	1-hour TSP	59	ug/m3
TMCLKL	HY/2012/08	2014-07-11	AQMS1	Sunny	15:44	1-hour TSP	60	ug/m3
TMCLKL	HY/2012/08	2014-07-19	AQMS1	Sunny	14:49	1-hour TSP	58	ug/m3
TMCLKL	HY/2012/08	2014-07-19	AQMS1	Sunny	15:51	1-hour TSP	59	ug/m3
TMCLKL	HY/2012/08	2014-07-19	AQMS1	Sunny	16:53	1-hour TSP	113	ug/m3
TMCLKL	HY/2012/08	2014-07-23	AQMS1	Sunny	13:48	1-hour TSP	134	ug/m3
TMCLKL	HY/2012/08	2014-07-23	AQMS1	Sunny	14:50	1-hour TSP	118	ug/m3
TMCLKL	HY/2012/08	2014-07-23	AQMS1	Sunny	15:52	1-hour TSP	143	ug/m3
TMCLKL	HY/2012/08	2014-07-29	AQMS1	Sunny	13:18	1-hour TSP	76	ug/m3
TMCLKL	HY/2012/08	2014-07-29	AQMS1	Sunny	14:20	1-hour TSP	84	ug/m3
TMCLKL	HY/2012/08	2014-07-29	AQMS1	Sunny	15:22	1-hour TSP	99	ug/m3
TMCLKL	HY/2012/08	2014-07-05	ASR10	Sunny	16:01	24-hour TSP	47	ug/m^3
TMCLKL	HY/2012/08	2014-07-05	ASR6	Sunny	16:12	24-hour TSP	63	ug/m^3
TMCLKL	HY/2012/08	2014-07-05	ASR5	Sunny	16:22	24-hour TSP	70	ug/m^3
TMCLKL	HY/2012/08	2014-07-05	ASR1	Sunny	16:33	24-hour TSP	71	ug/m^3
TMCLKL	HY/2012/08	2014-07-05	AQMS1	Sunny	16:46	24-hour TSP	43	ug/m^3
TMCLKL	HY/2012/08	2014-07-11	ASR1	Sunny	16:35	24-hour TSP	75	ug/m^3
TMCLKL	HY/2012/08	2014-07-11	AQMS1	Sunny	16:46	24-hour TSP	41	ug/m^3
TMCLKL	HY/2012/08	2014-07-11	ASR5	Sunny	16:23	24-hour TSP	68	ug/m^3
TMCLKL	HY/2012/08	2014-07-11	ASR6	Sunny	16:12	24-hour TSP	51	ug/m^3
TMCLKL	HY/2012/08	2014-07-11	ASR10	Sunny	16:01	24-hour TSP	49	ug/m^3
TMCLKL	HY/2012/08	2014-07-19	ASR10	Sunny	17:11	24-hour TSP	45	ug/m^3
TMCLKL	HY/2012/08	2014-07-19	ASR6	Sunny	17:21	24-hour TSP	55	ug/m^3
TMCLKL	HY/2012/08	2014-07-19	ASR5	Sunny	17:32	24-hour TSP	60	ug/m^3
TMCLKL	HY/2012/08	2014-07-19	ASR1	Sunny	17:44	24-hour TSP	69	ug/m^3

Project	Works	Date	Station	Weather	Start time	Parameters	Results	units
TMCLKL	HY/2012/08	2014-07-19	AQMS1	Sunny	17:55	24-hour TSP	50	ug/m^3
TMCLKL	HY/2012/08	2014-07-23	ASR10	Sunny	16:09	24-hour TSP	63	ug/m^3
TMCLKL	HY/2012/08	2014-07-23	ASR6	Sunny	16:20	24-hour TSP	92	ug/m^3
TMCLKL	HY/2012/08	2014-07-23	ASR5	Sunny	16:30	24-hour TSP	109	ug/m^3
TMCLKL	HY/2012/08	2014-07-23	ASR1	Sunny	16:42	24-hour TSP	152	ug/m^3
TMCLKL	HY/2012/08	2014-07-23	AQMS1	Sunny	16:54	24-hour TSP	85	ug/m^3
TMCLKL	HY/2012/08	2014-07-29	AQMS1	Sunny	16:24	24-hour TSP	60	ug/m^3
TMCLKL	HY/2012/08	2014-07-29	ASR1	Sunny	16:13	24-hour TSP	111	ug/m^3
TMCLKL	HY/2012/08	2014-07-29	ASR5	Sunny	16:01	24-hour TSP	98	ug/m^3
TMCLKL	HY/2012/08	2014-07-29	ASR6	Sunny	15:50	24-hour TSP	81	ug/m^3
TMCLKL	HY/2012/08	2014-07-29	ASR10	Sunny	15:39	24-hour TSP	48	ug/m^3

Appendix H

Meteorological Data

Meteorological Data for Impact Monitoring in the reporting period			
Date (yy-mm-dd)	**Time (24hrs)**	**Average of Wind Direction (degree)**	**Average of Wind Speed (m/s)**
14/07/05	00:00	174	0.7
14/07/05	01:00	165	0.2
14/07/05	02:00	171	1.1
14/07/05	03:00	182	1.3
14/07/05	04:00	190	0.9
14/07/05	05:00	141	0.2
14/07/05	06:00	134	0
14/07/05	07:00	139	0
14/07/05	08:00	118	0.9
14/07/05	09:00	184	1.1
14/07/05	10:00	296	0.4
14/07/05	11:00	278	0.7
14/07/05	12:00	267	1.4
14/07/05	13:00	248	2
14/07/05	14:00	229	2
14/07/05	15:00	250	1.8
14/07/05	16:00	266	1.3
14/07/05	17:00	258	1.3
14/07/05	18:00	103	0.7
14/07/05	19:00	123	1.1
14/07/05	20:00	113	2
14/07/05	21:00	113	0.9
14/07/05	22:00	128	0.2
14/07/05	23:00	131	0.4
14/07/06	00:00	124	0.9
14/07/06	01:00	168	1.1
14/07/06	02:00	156	0.7
14/07/06	03:00	141	0
14/07/06	04:00	125	0.2
14/07/06	05:00	143	0.7
14/07/06	06:00	23	0.2
14/07/06	07:00	113	0.2
14/07/06	08:00	316	0.7
14/07/06	09:00	7	1.6
14/07/06	10:00	351	2
14/07/06	11:00	172	0.9
14/07/06	12:00	351	1.3
14/07/06	13:00	223	1.8
14/07/06	14:00	260	2.2
14/07/06	15:00	252	1.4
14/07/06	16:00	207	0.9
14/07/06	17:00	294	0.9
14/07/06	18:00	260	0.7
14/07/06	19:00	277	0
14/07/06	20:00	106	1.6
14/07/06	21:00	118	2
14/07/06	22:00	128	1.6
14/07/06	23:00	127	1.1
14/07/11	00:00	101	0.1
14/07/11	01:00	103	0.1
14/07/11	02:00	114	0
14/07/11	03:00	121	0.1
14/07/11	04:00	123	0.1
14/07/11	05:00	134	0.1

Meteorological Data for Impact Monitoring in the reporting period			
Date (yy-mm-dd)	**Time (24hrs)**	**Average of Wind Direction (degree)**	**Average of Wind Speed (m/s)**
14/07/11	06:00	165	0.9
14/07/11	07:00	171	1.3
14/07/11	08:00	118	0.4
14/07/11	09:00	110	0.4
14/07/11	10:00	128	0.4
14/07/11	11:00	137	0.9
14/07/11	12:00	271	0.9
14/07/11	13:00	345	0.4
14/07/11	14:00	261	0.4
14/07/11	15:00	272	1.3
14/07/11	16:00	281	0.4
14/07/11	17:00	265	0.4
14/07/11	18:00	132	0.2
14/07/11	19:00	91	0.1
14/07/11	20:00	85	0.2
14/07/11	21:00	76	0.1
14/07/11	22:00	93	0.1
14/07/11	23:00	92	0.1
14/07/12	00:00	131	0.9
14/07/12	01:00	146	1.3
14/07/12	02:00	151	1.3
14/07/12	03:00	133	0.4
14/07/12	04:00	138	0.9
14/07/12	05:00	137	0.4
14/07/12	06:00	115	0.1
14/07/12	07:00	101	0.9
14/07/12	08:00	92	0.4
14/07/12	09:00	23	0.4
14/07/12	10:00	174	0.4
14/07/12	11:00	66	0.9
14/07/12	12:00	173	2.7
14/07/12	13:00	156	2.7
14/07/12	14:00	177	2.7
14/07/12	15:00	169	1.8
14/07/12	16:00	20	0.9
14/07/12	17:00	355	1.3
14/07/12	18:00	44	0.9
14/07/12	19:00	69	0.8
14/07/12	20:00	10	0.5
14/07/12	21:00	131	0.4
14/07/12	22:00	21	0.4
14/07/12	23:00	15	0.3
14/07/19	13:00	151	0.2
14/07/19	14:00	162	2.0
14/07/19	15:00	173	5.4
14/07/19	16:00	158	4.5
14/07/19	17:00	184	4.0
14/07/19	18:00	157	4.5
14/07/19	19:00	162	4.5
14/07/19	20:00	166	3.6
14/07/19	21:00	177	3.1
14/07/19	22:00	181	3.1
14/07/19	23:00	156	2.2
14/07/20	0:00	145	2.2

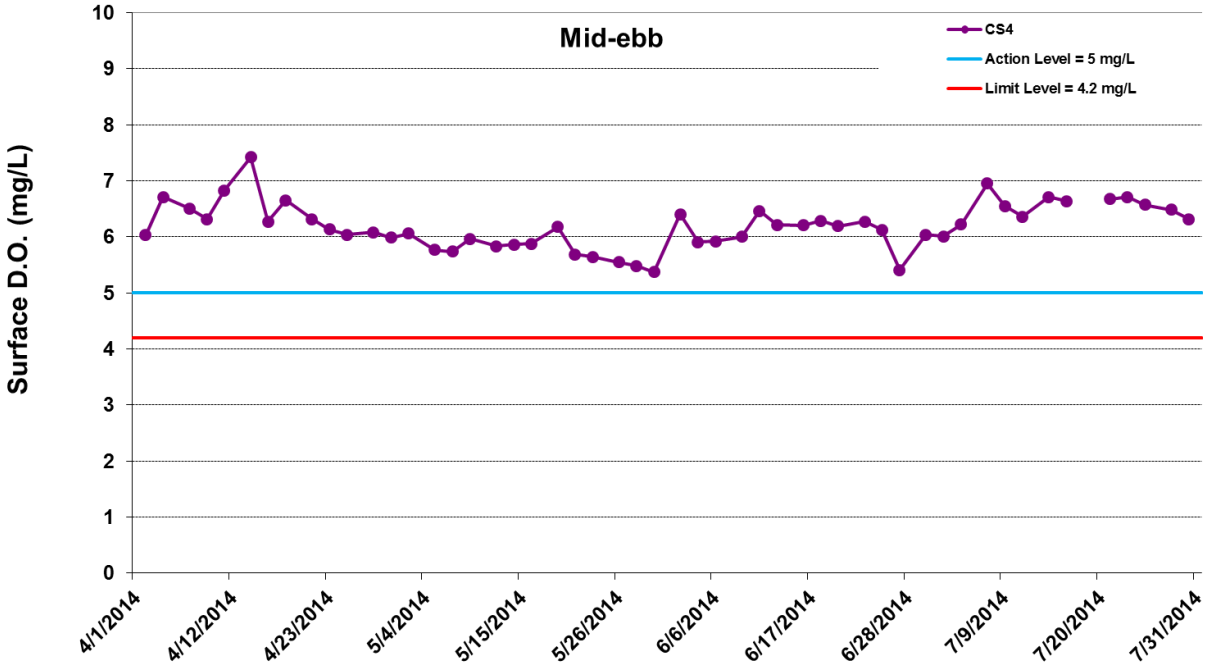
Meteorological Data for Impact Monitoring in the reporting period			
Date (yy-mm-dd)	**Time (24hrs)**	**Average of Wind Direction (degree)**	**Average of Wind Speed (m/s)**
14/07/20	1:00	123	2.2
14/07/20	2:00	120	1.8
14/07/20	3:00	131	1.3
14/07/20	4:00	115	1.3
14/07/20	5:00	110	0.4
14/07/20	6:00	113	0.4
14/07/20	7:00	125	0.9
14/07/20	8:00	136	1.3
14/07/20	9:00	174	0.9
14/07/20	10:00	130	1.3
14/07/20	11:00	168	2.2
14/07/20	12:00	171	2.2
14/07/20	13:00	165	1.8
14/07/20	14:00	181	3.1
14/07/20	15:00	190	2.2
14/07/20	16:00	174	2.2
14/07/20	17:00	164	2.2
14/07/20	18:00	174	2.2
14/07/20	19:00	181	1.3
14/07/20	20:00	165	0.9
14/07/20	21:00	159	0.9
14/07/20	22:00	163	1.3
14/07/20	23:00	152	0.9
14/07/23	0:00	321	0.8
14/07/23	1:00	20	2.3
14/07/23	2:00	315	1.1
14/07/23	3:00	346	0.9
14/07/23	4:00	341	0.9
14/07/23	5:00	355	0.4
14/07/23	6:00	10	1.5
14/07/23	7:00	354	1.6
14/07/23	8:00	331	0.4
14/07/23	9:00	300	0.4
14/07/23	10:00	298	1.3
14/07/23	11:00	271	1.8
14/07/23	12:00	256	2.2
14/07/23	13:00	255	1.8
14/07/23	14:00	271	1.8
14/07/23	15:00	256	2.2
14/07/23	16:00	271	1.8
14/07/23	17:00	285	0.9
14/07/23	18:00	321	0.9
14/07/23	19:00	310	0.9
14/07/23	20:00	322	0.4
14/07/23	21:00	51	0.4
14/07/23	22:00	225	0.9
14/07/23	23:00	265	2.2
14/07/24	0:00	271	1.8
14/07/24	1:00	281	1.8
14/07/24	2:00	256	1.3
14/07/24	3:00	274	1.8
14/07/24	4:00	292	3.1
14/07/24	5:00	263	3.6
14/07/24	6:00	251	3.1

Meteorological Data for Impact Monitoring in the reporting period			
Date (yy-mm-dd)	**Time (24hrs)**	**Average of Wind Direction (degree)**	**Average of Wind Speed (m/s)**
14/07/24	7:00	224	3.1
14/07/24	8:00	232	3.1
14/07/24	9:00	248	4.0
14/07/24	10:00	271	3.1
14/07/24	11:00	216	3.1
14/07/24	12:00	223	2.7
14/07/24	13:00	287	2.7
14/07/24	14:00	251	1.8
14/07/24	15:00	225	1.8
14/07/24	16:00	268	0.9
14/07/24	17:00	111	0.4
14/07/24	18:00	125	0.9
14/07/24	19:00	100	1.8
14/07/24	20:00	123	1.3
14/07/24	21:00	119	0.4
14/07/24	22:00	183	0.4
14/07/29	0:00	112	0.2
14/07/29	1:00	105	0.5
14/07/29	2:00	100	0.3
14/07/29	3:00	125	0.1
14/07/29	4:00	111	0.3
14/07/29	5:00	46	0.1
14/07/29	6:00	52	0.2
14/07/29	7:00	58	0.1
14/07/29	8:00	123	0.3
14/07/29	9:00	15	0.2
14/07/29	10:00	175	0.4
14/07/29	11:00	183	0.9
14/07/29	12:00	271	1.3
14/07/29	13:00	289	0.9
14/07/29	14:00	291	0.9
14/07/29	15:00	288	1.3
14/07/29	16:00	300	1.8
14/07/29	17:00	310	1.3
14/07/29	18:00	174	1.8
14/07/29	19:00	136	1.3
14/07/29	20:00	123	0.9
14/07/29	21:00	127	1.8
14/07/29	22:00	165	2.7
14/07/29	23:00	174	1.8
14/07/30	0:00	155	1.8
14/07/30	1:00	191	2.2
14/07/30	2:00	111	0.9
14/07/30	3:00	128	0.1
14/07/30	4:00	116	0.2
14/07/30	5:00	134	0.1
14/07/30	6:00	20	0.4
14/07/30	7:00	10	0.4
14/07/30	8:00	116	0.4
14/07/30	9:00	185	0.4
14/07/30	10:00	272	0.9
14/07/30	11:00	281	1.3
14/07/30	12:00	226	0.9
14/07/30	13:00	212	0.9

Meteorological Data for Impact Monitoring in the reporting period			
Date (yy-mm-dd)	**Time (24hrs)**	**Average of Wind Direction (degree)**	**Average of Wind Speed (m/s)**
14/07/30	14:00	285	1.3
14/07/30	15:00	275	1.8
14/07/30	16:00	296	1.3
14/07/30	17:00	287	1.3
14/07/30	18:00	301	0.9
14/07/30	19:00	133	0.9
14/07/30	20:00	104	2.2
14/07/30	21:00	109	1.8
14/07/30	22:00	115	1.3
14/07/30	23:00	108	0.9

Appendix I

Impact Water Quality Monitoring Results



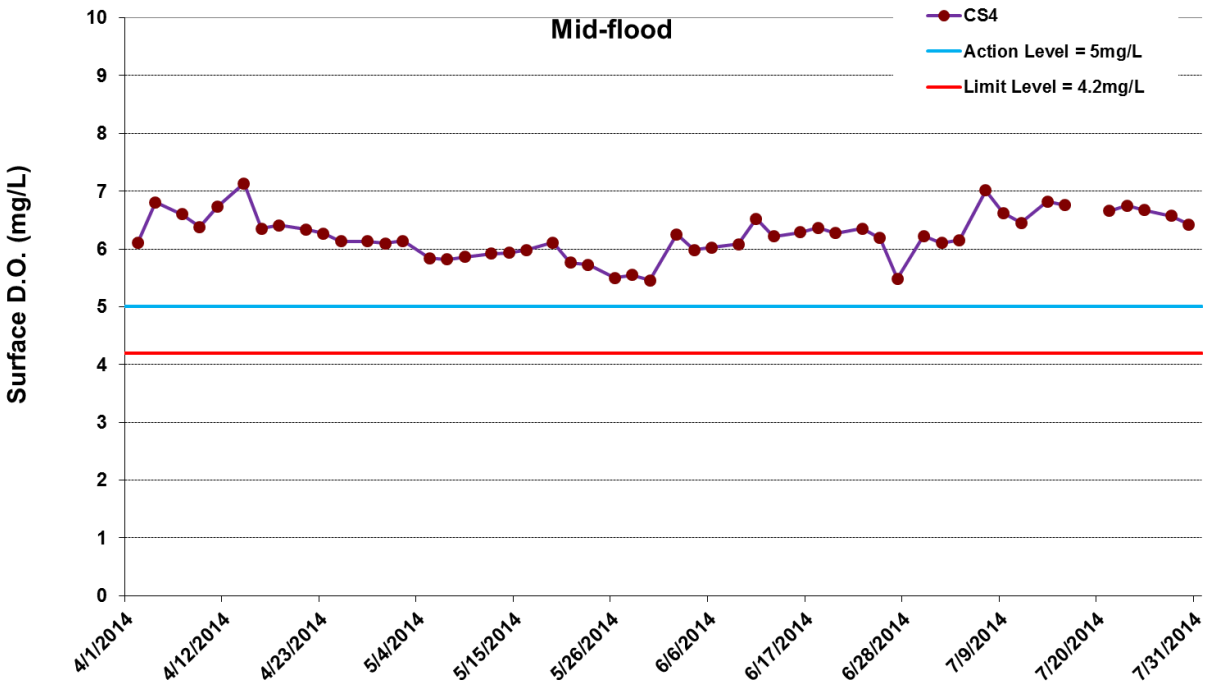
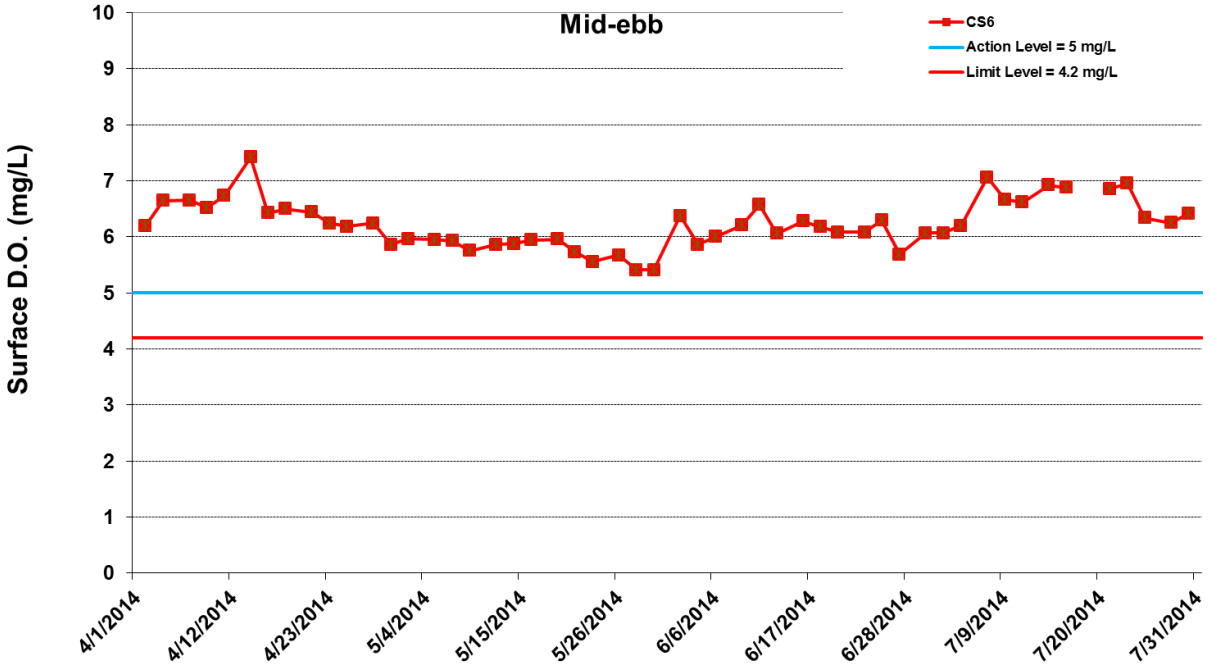


Figure I1 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters between 1 April 2014 and 31 July 2014 at CS4. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition. *Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls*

ERM



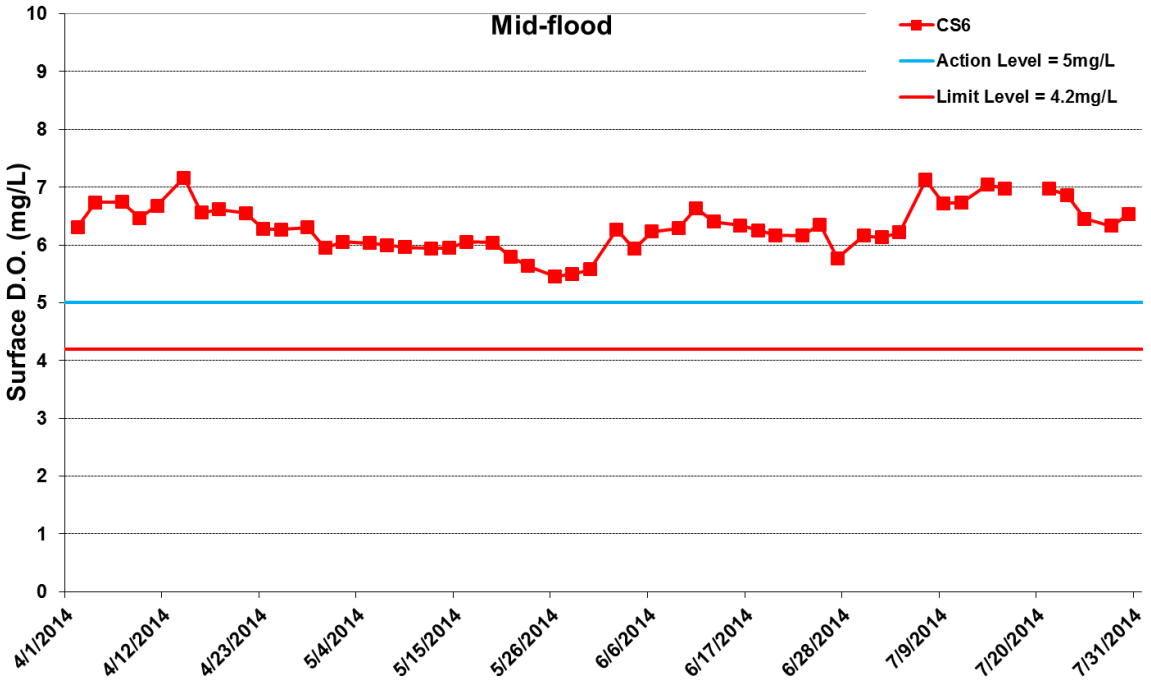
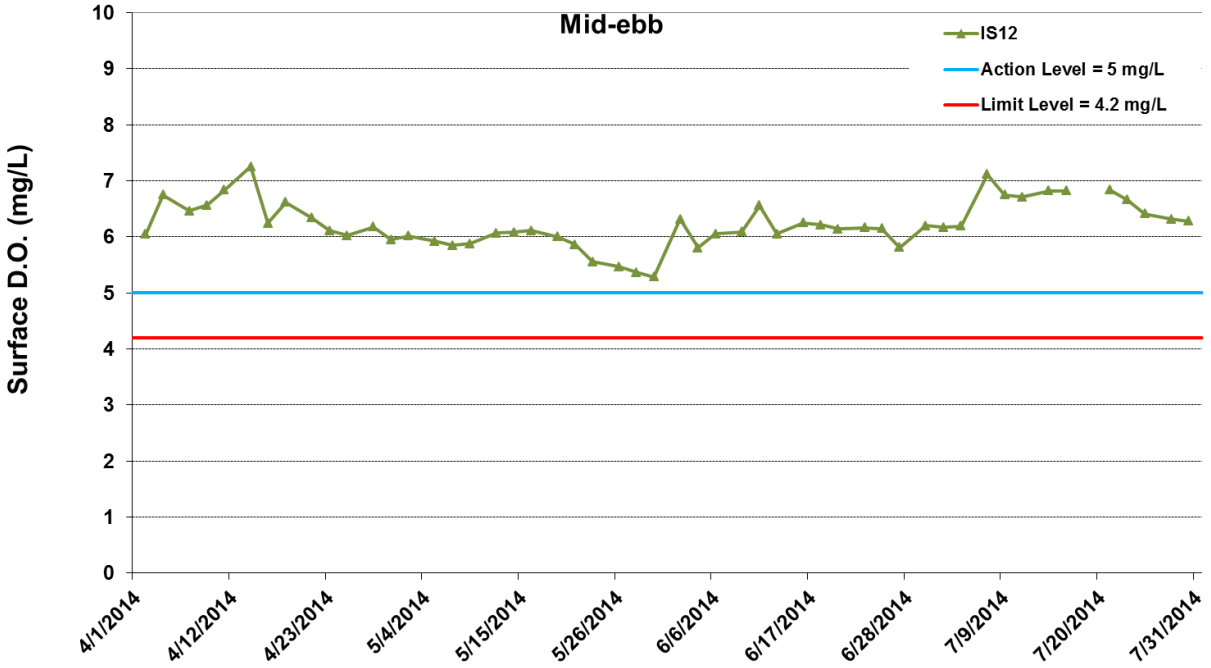


Figure I2 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters between 1 April 2014 and 31 July 2014 at CS6. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition. *Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls*

ERM



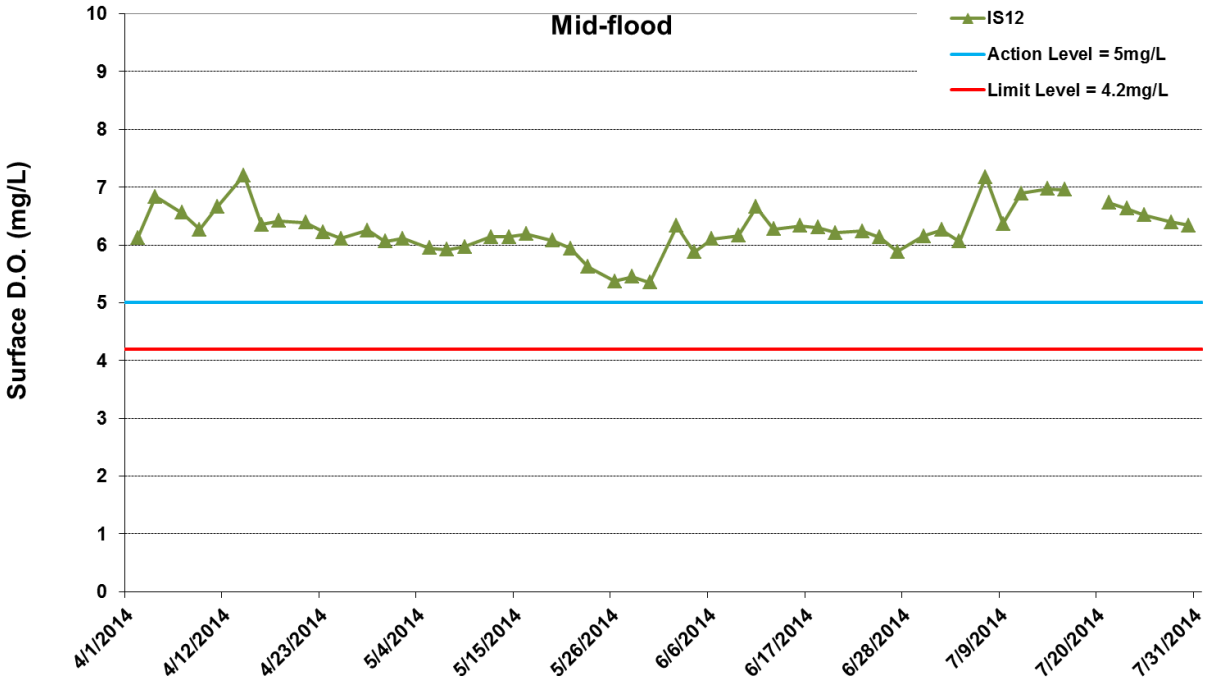
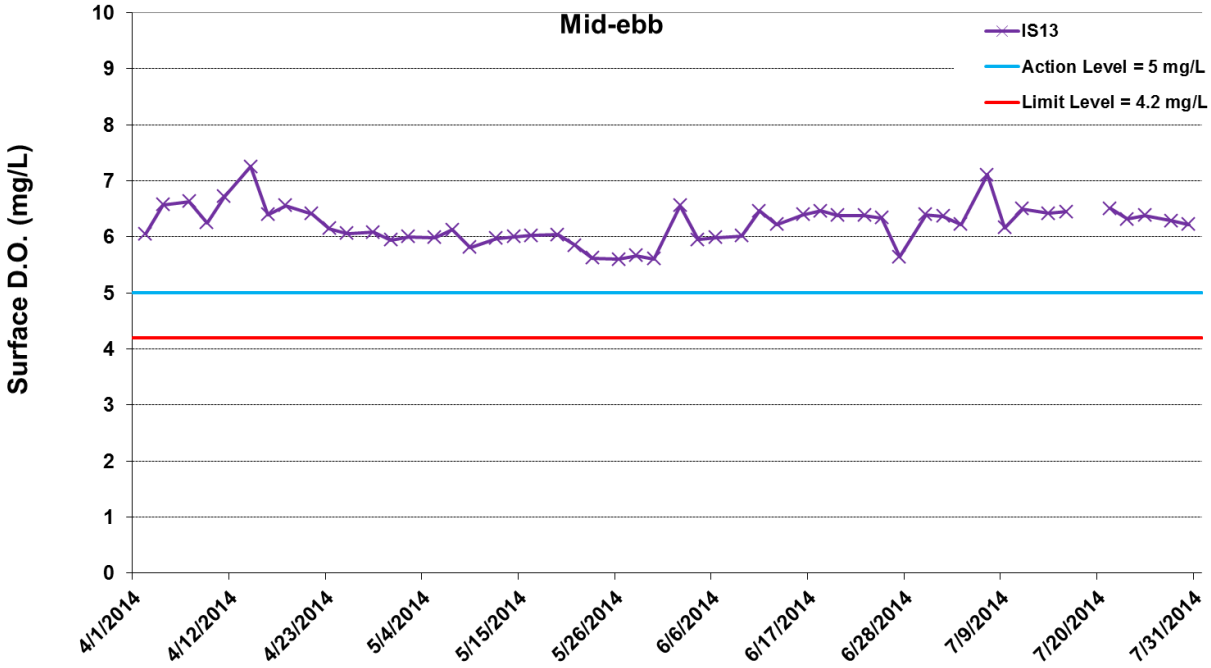


Figure I3 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters between 1 April 2014 and 31 July 2014 at IS12. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition. *Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls*

ERM



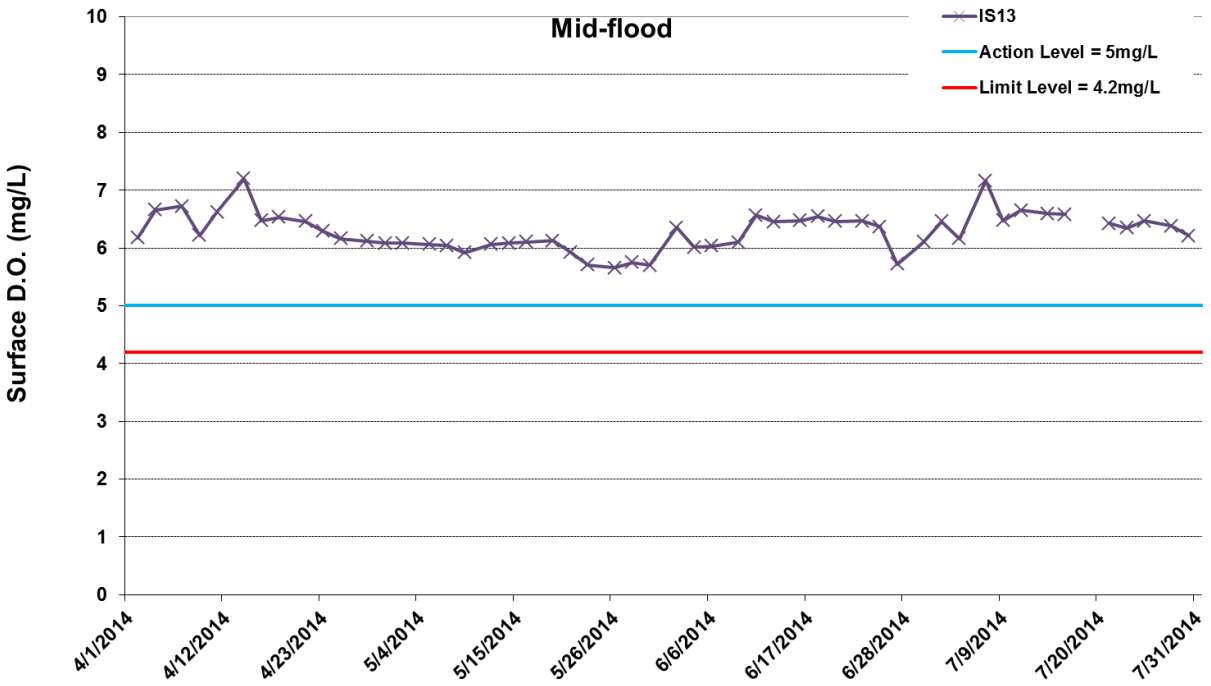


Figure I4 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters between 1 April 2014 and 31 July 2014 at IS13. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition. *Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls*

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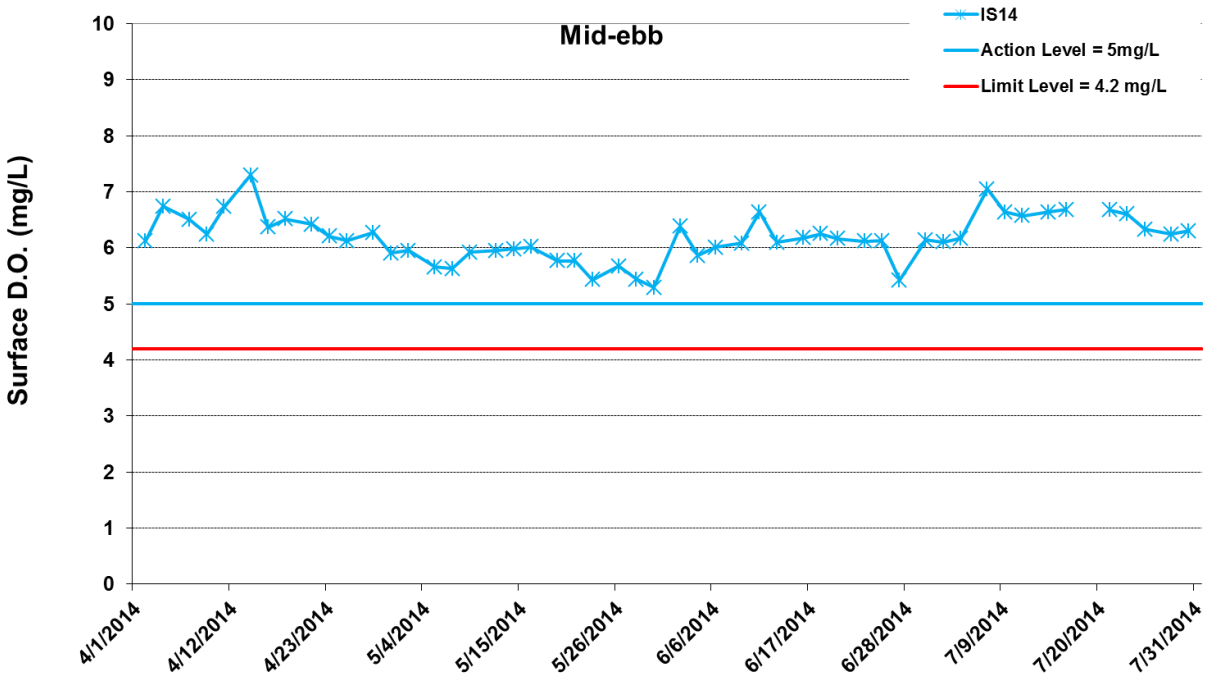

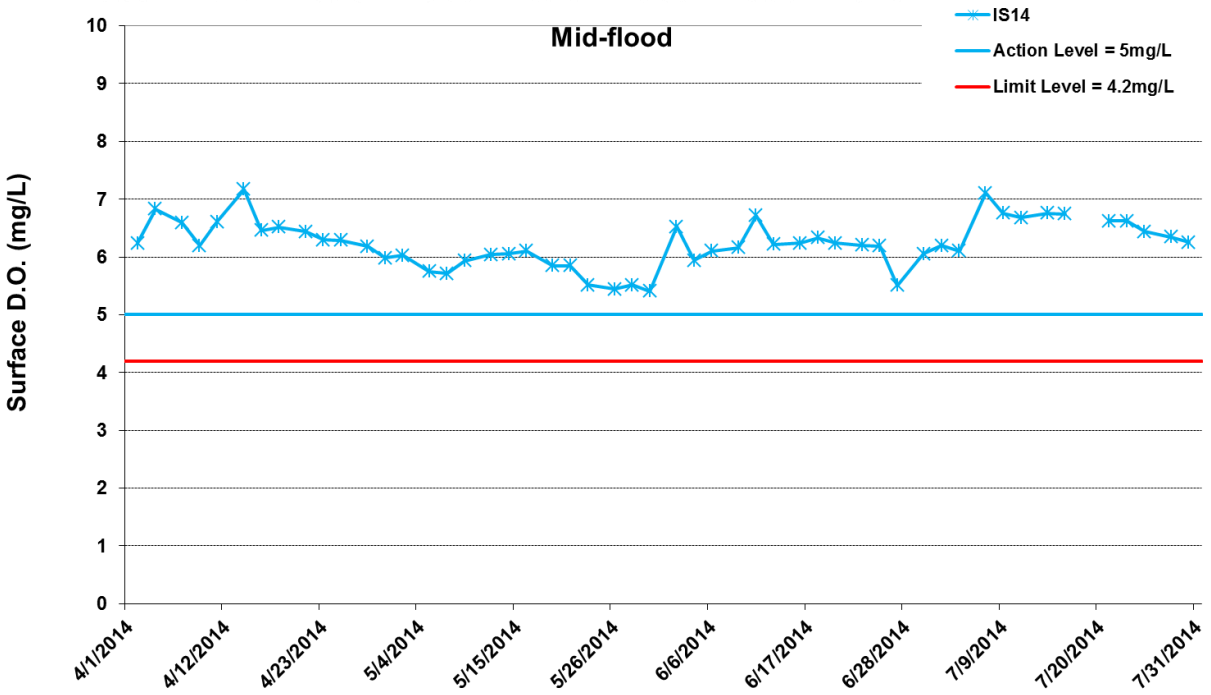

Figure I5 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters between 1 April 2014 and 31 July 2014 at IS14. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition. *Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls*

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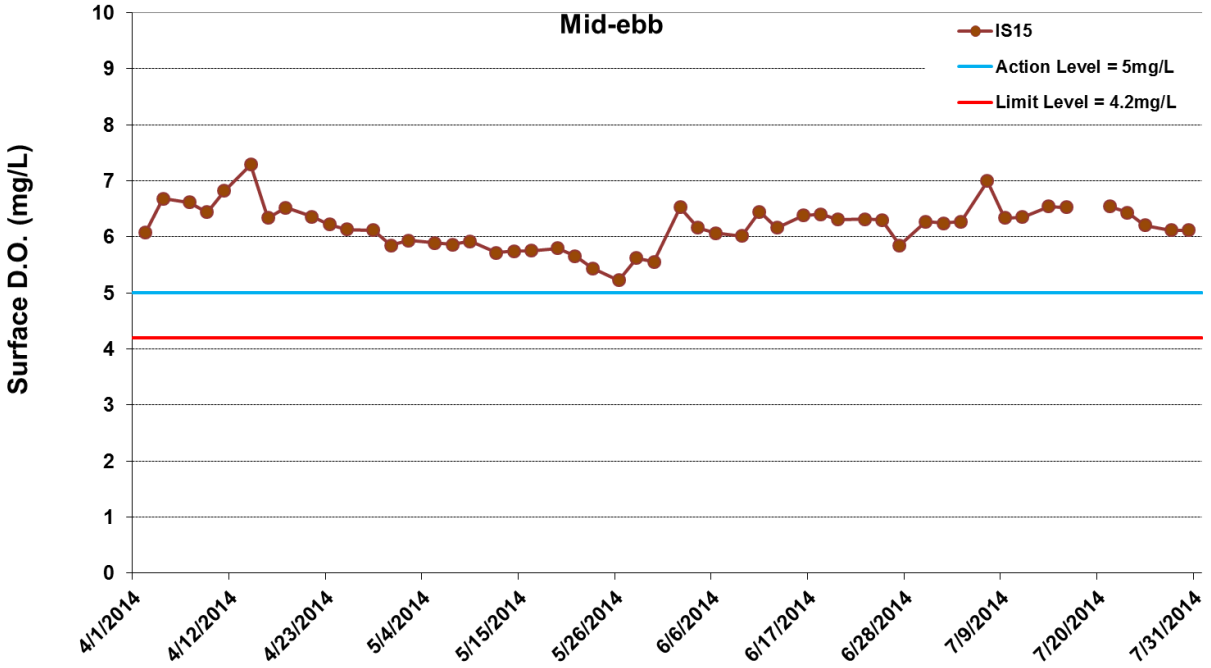

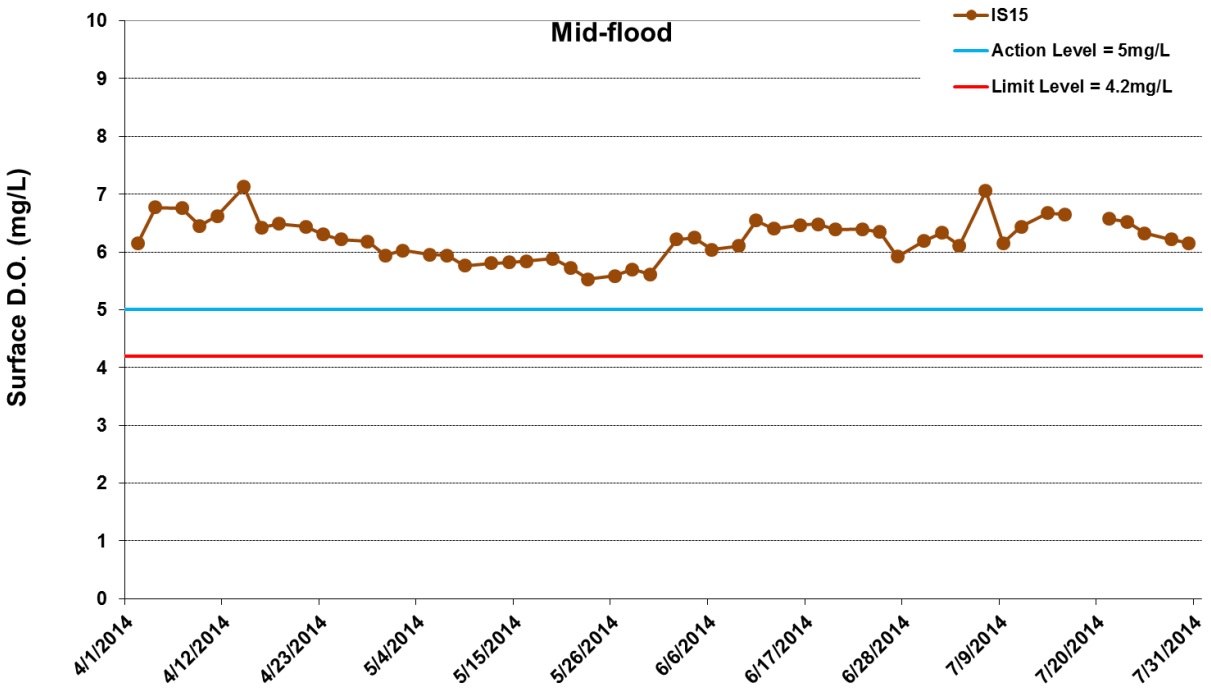

Figure I6 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters between 1 April 2014 and 31 July 2014 at IS15. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition. *Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls*

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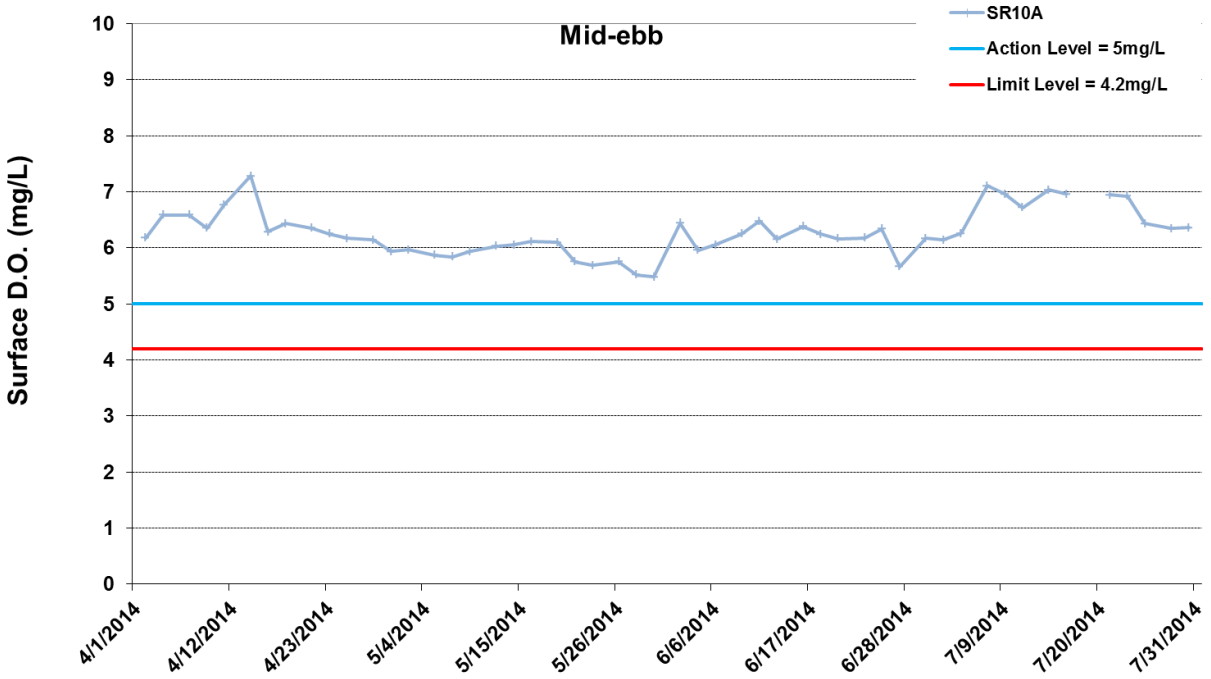

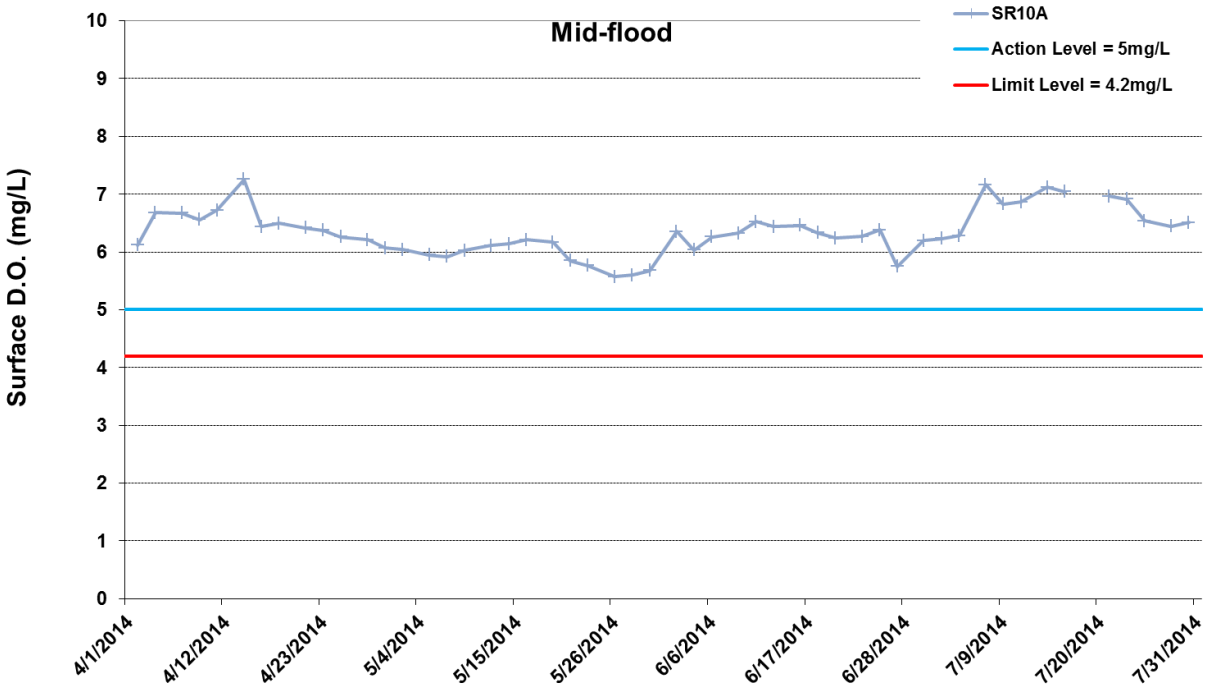

Figure I7 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters between 1 April 2014 and 31 July 2014 at SR10A. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition. *Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls*

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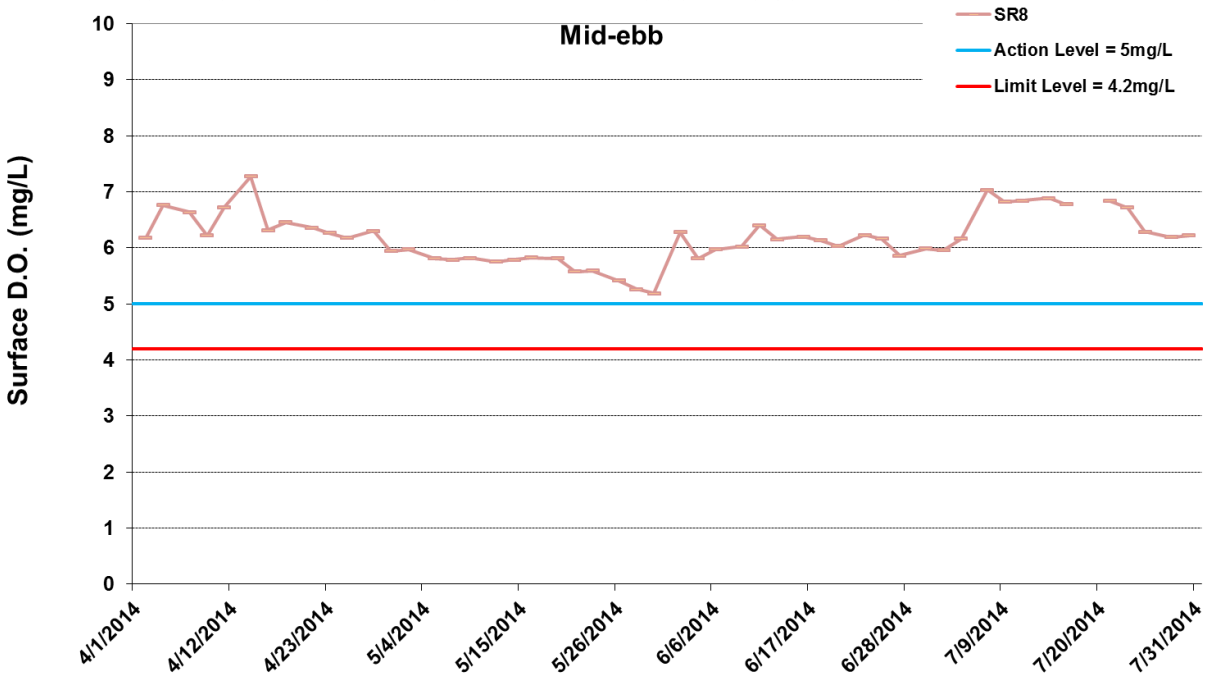

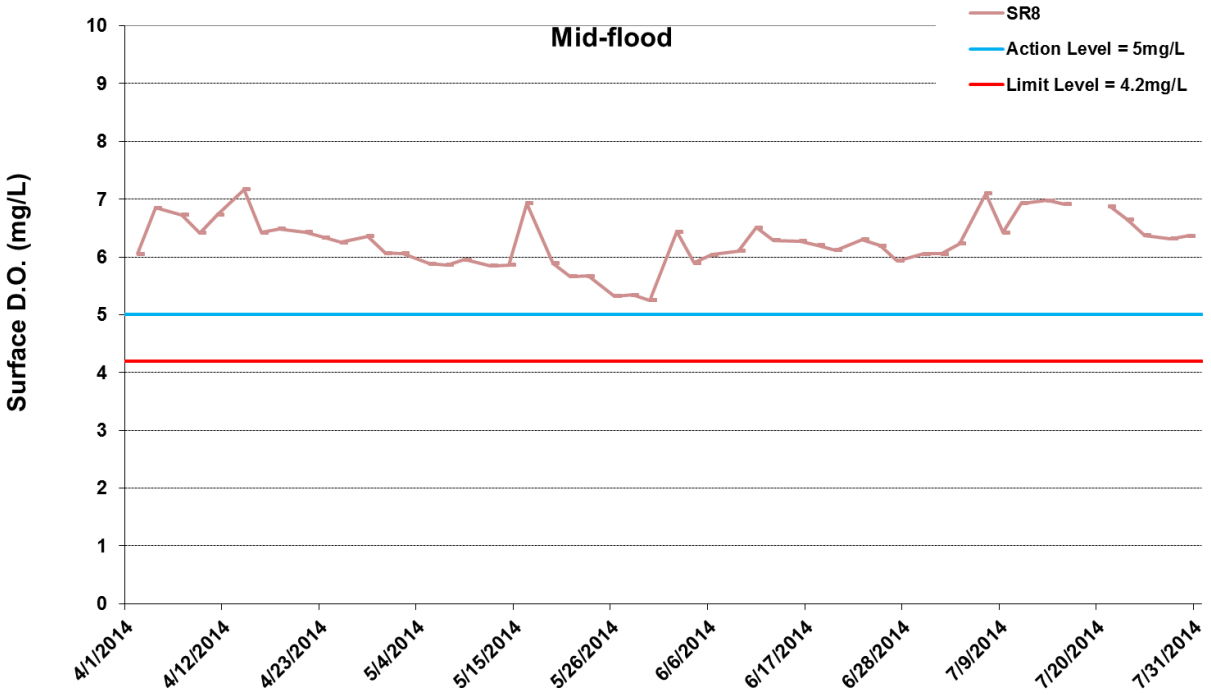

Figure I8 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters between 1 April 2014 and 31 July 2014 at SR8. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition. *Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls*

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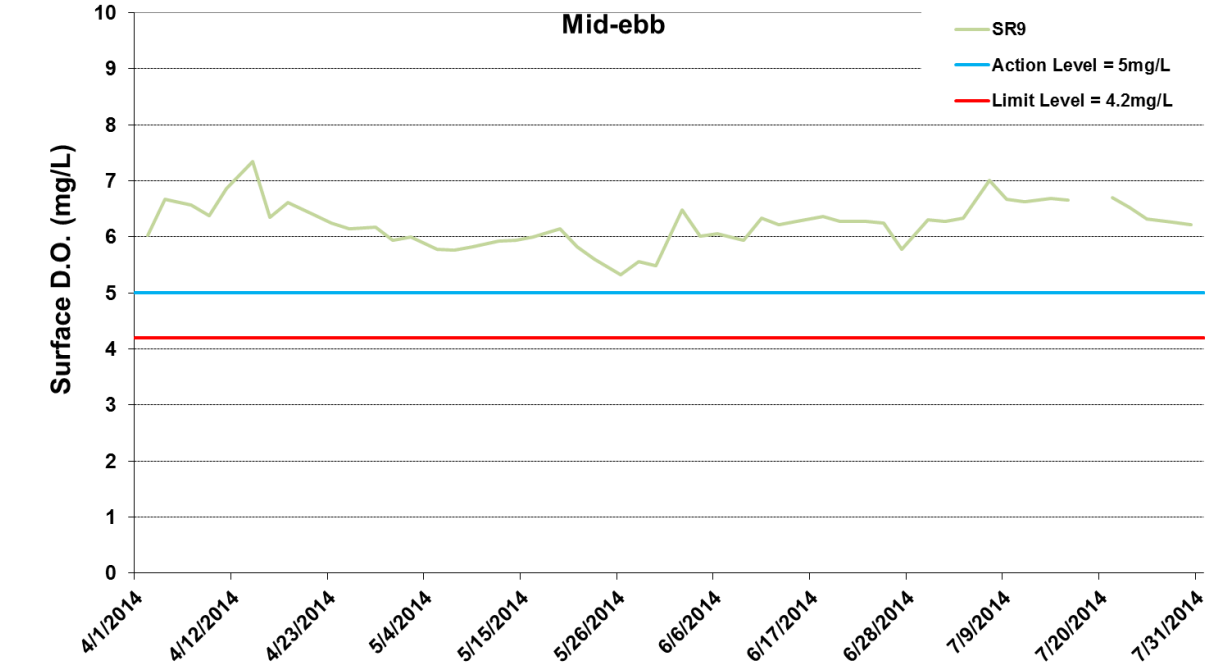

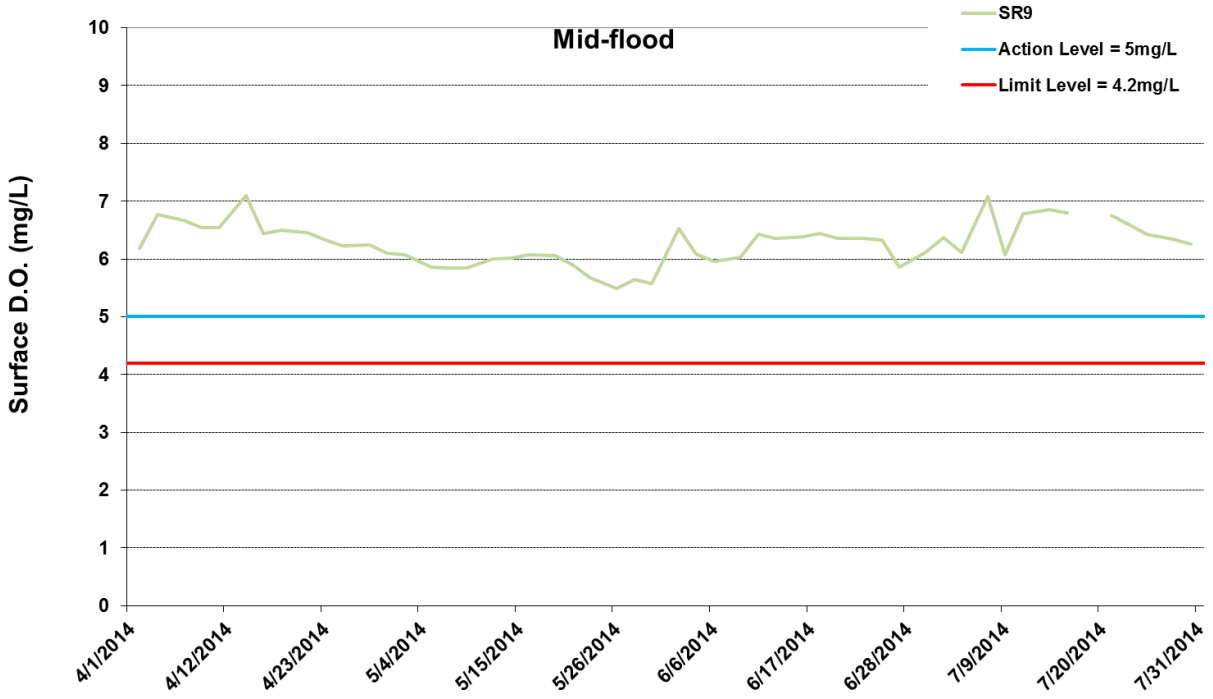

Figure I9 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters between 1 April 2014 and 31 July 2014 at SR9. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition. *Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls*

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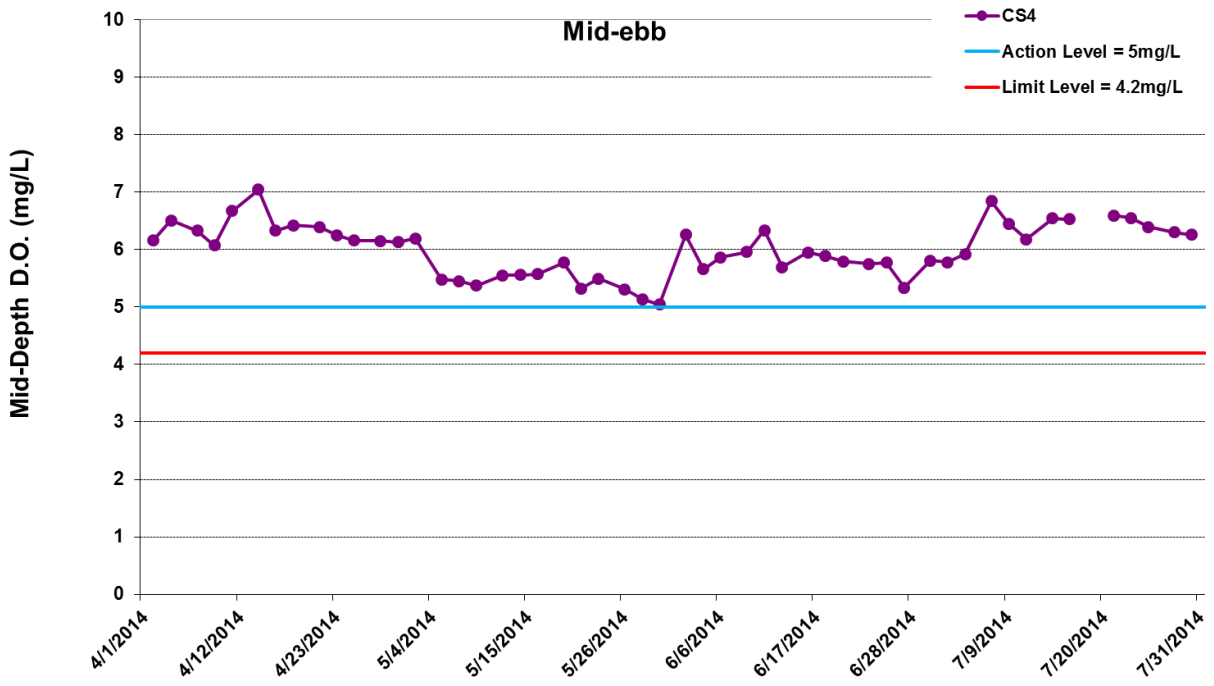
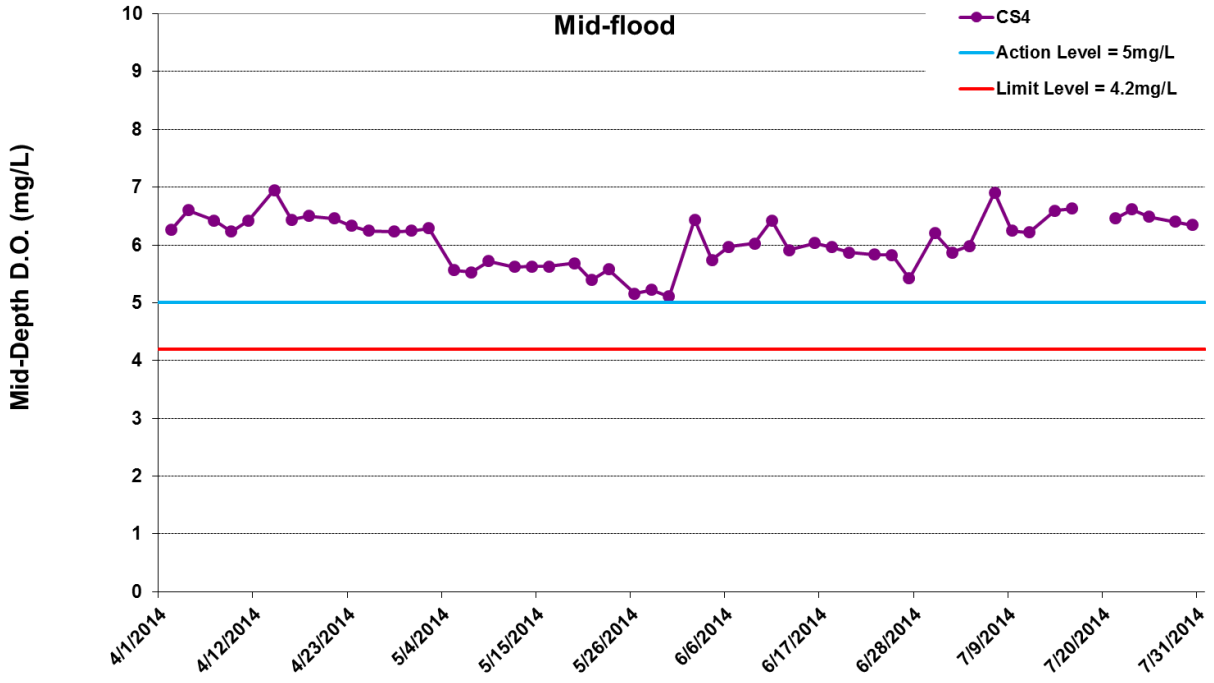
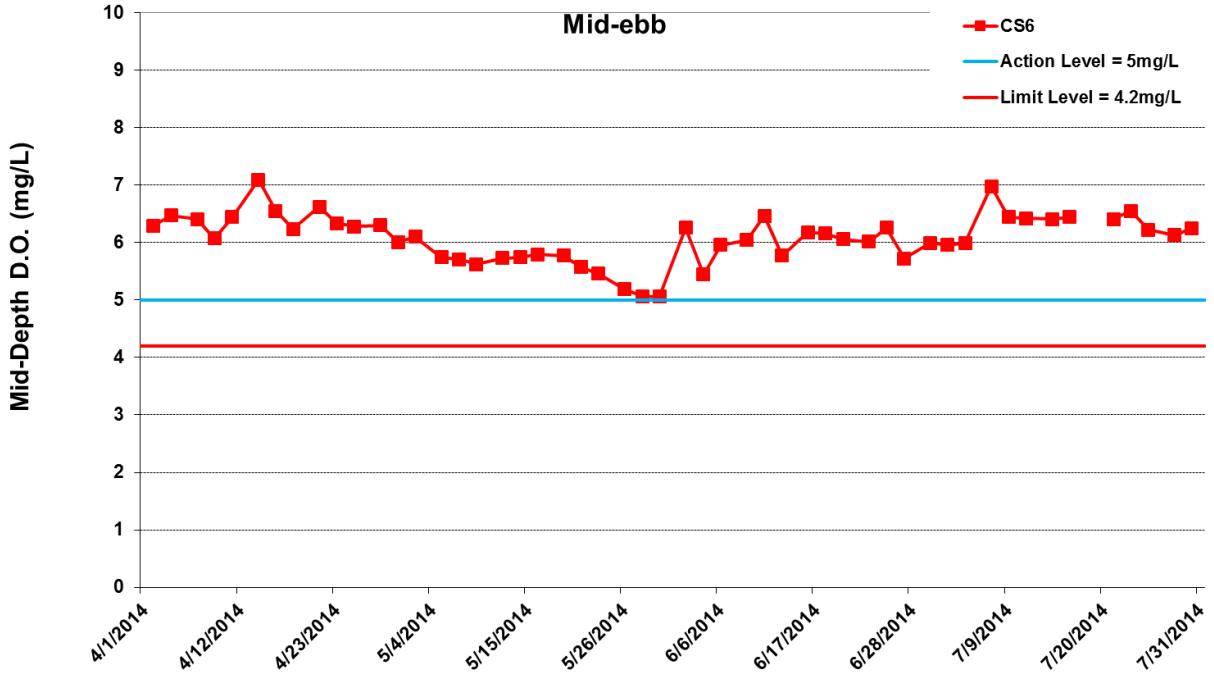


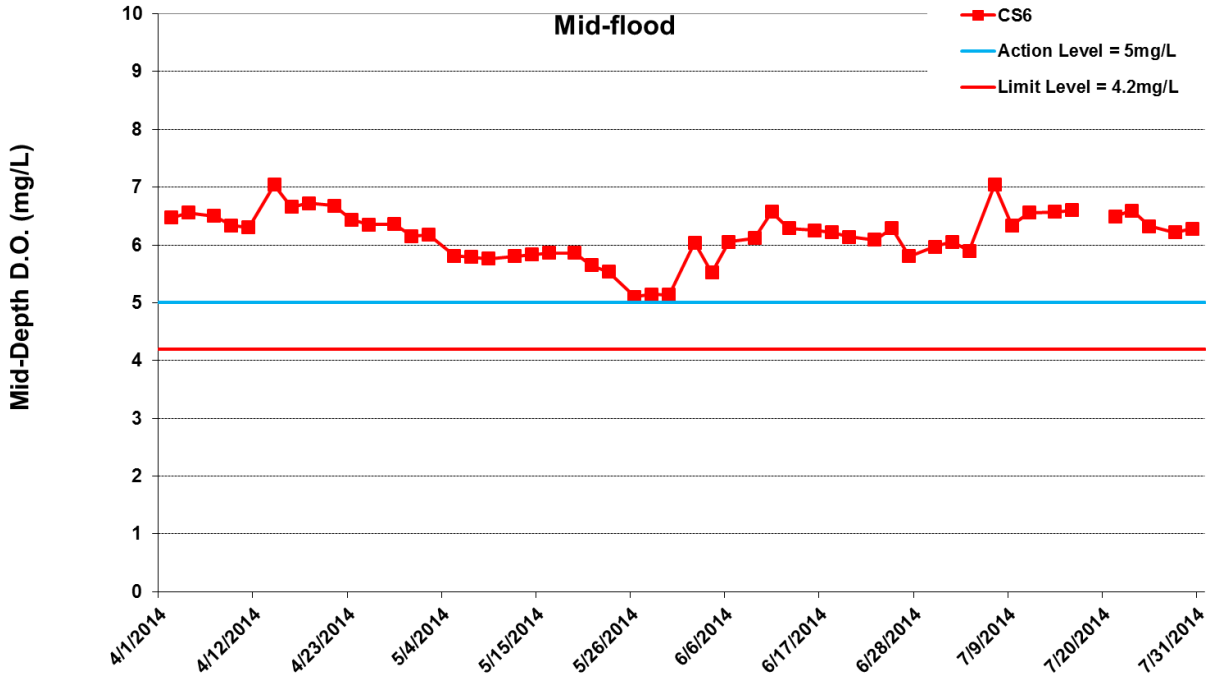


*No data for Stations SR8 and SR9 due to shallow water depth (< 6m).

Figure I10 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in mid-depth waters between 1 April 2014 and 31 July 2014 at CS4. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls

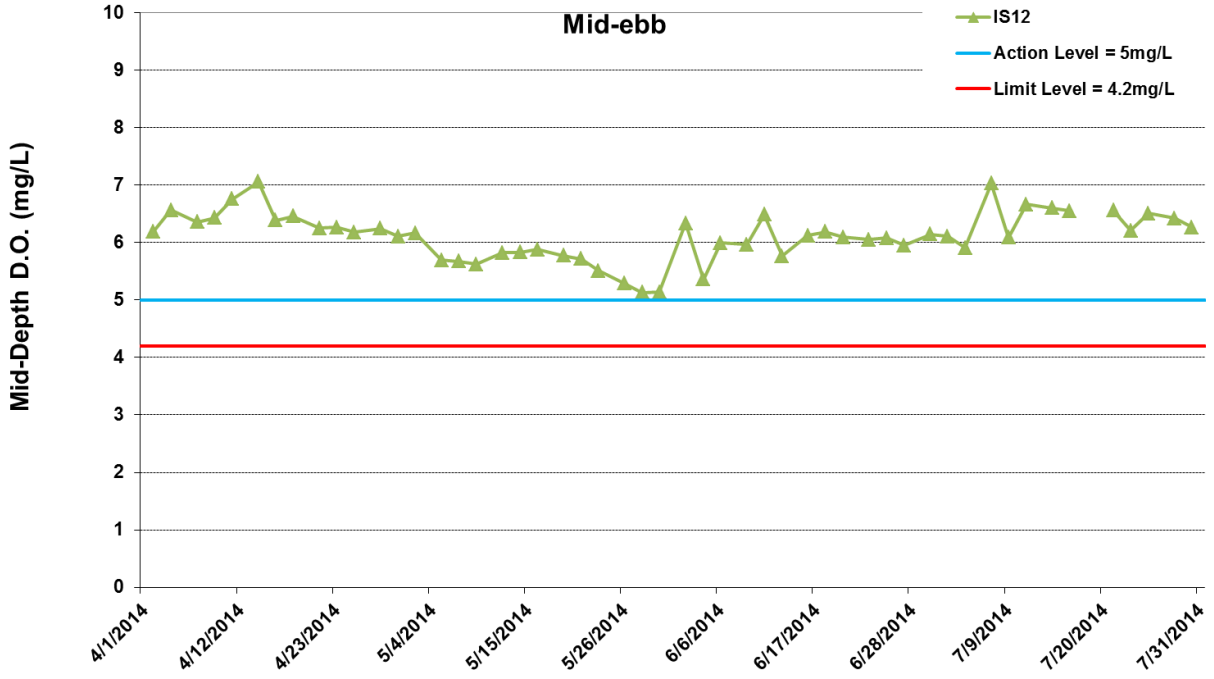


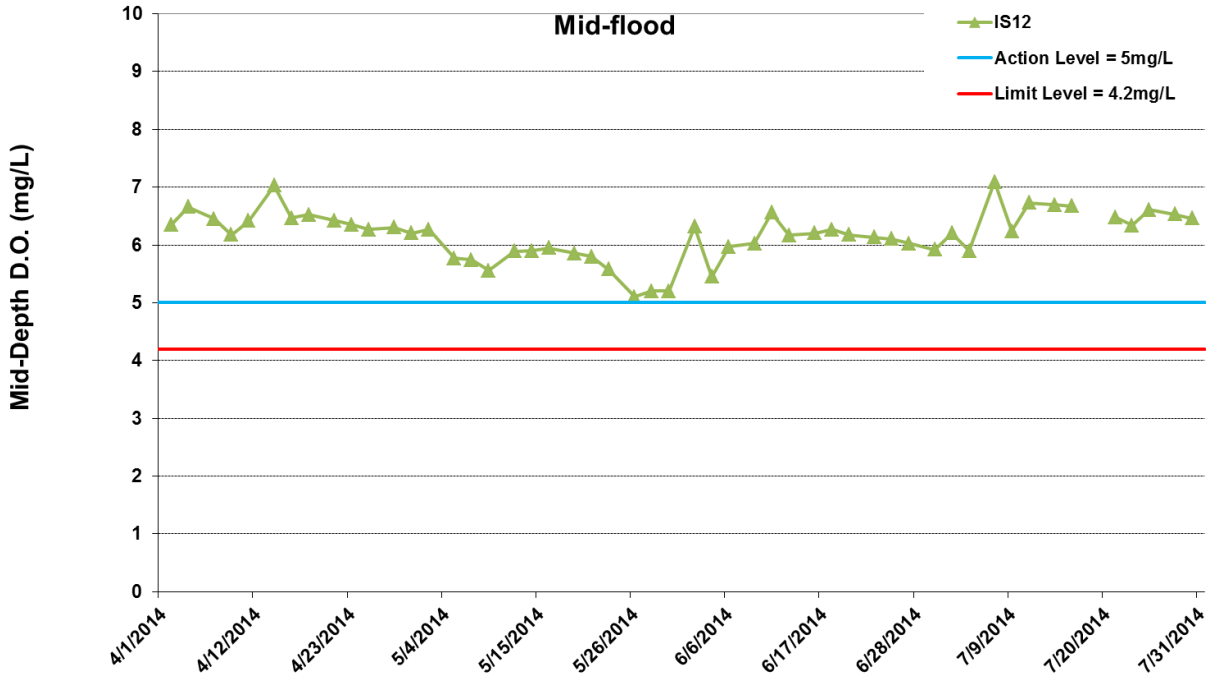


*No data for Stations SR8 and SR9 due to shallow water depth (< 6m).

Figure I11 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in mid-depth waters between 1 April 2014 and 31 July 2014 at CS6. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls

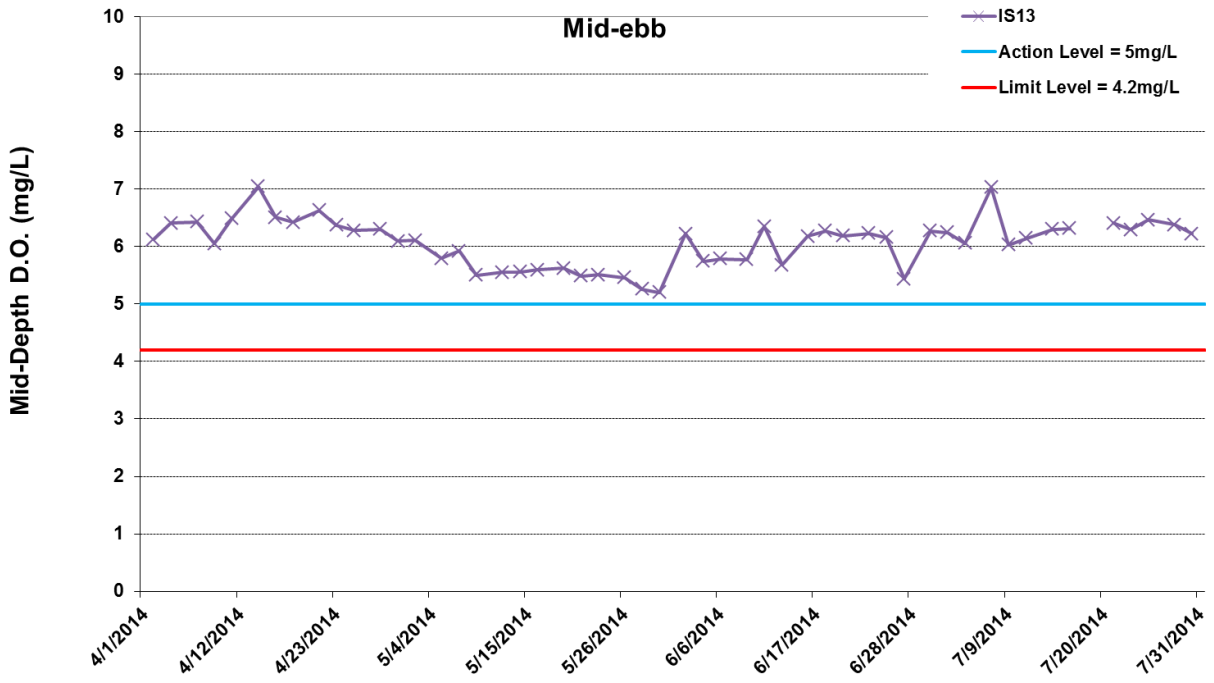


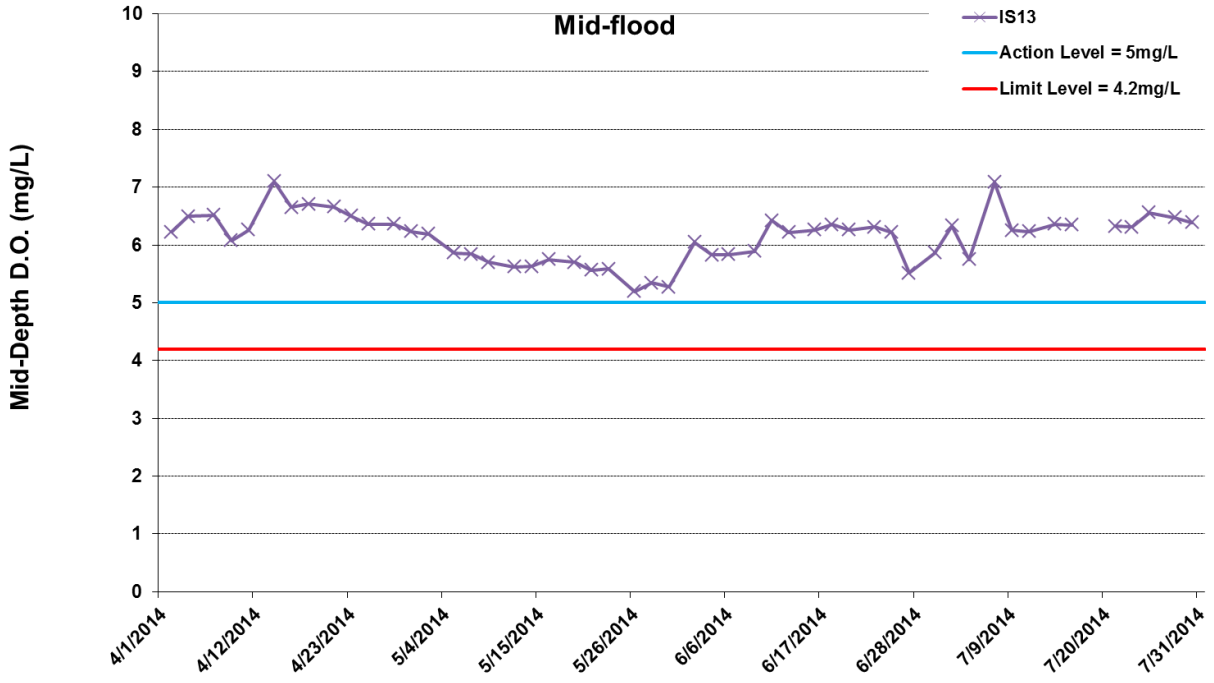


*No data for Stations SR8 and SR9 due to shallow water depth (< 6m).

Figure I12 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in mid-depth waters between 1 April 2014 and 31 July 2014 at IS12. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls

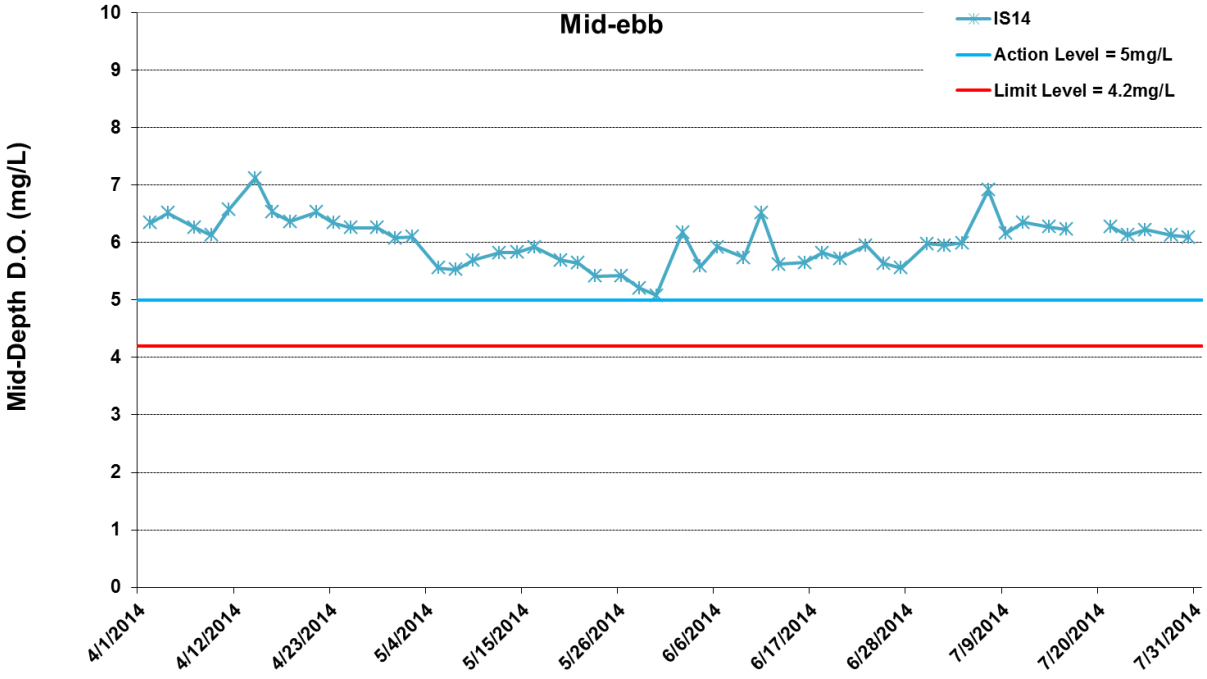


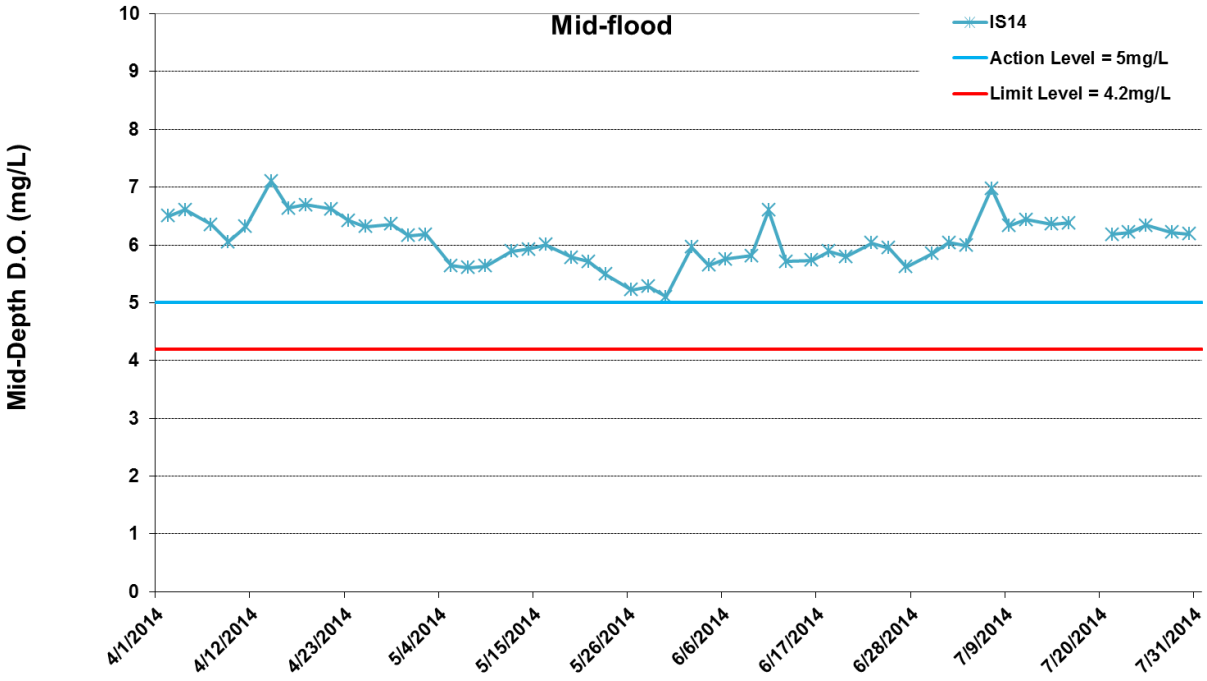


*No data for Stations SR8 and SR9 due to shallow water depth (< 6m).

Figure I13 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in mid-depth waters between 1 April 2014 and 31 July 2014 at IS13. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls

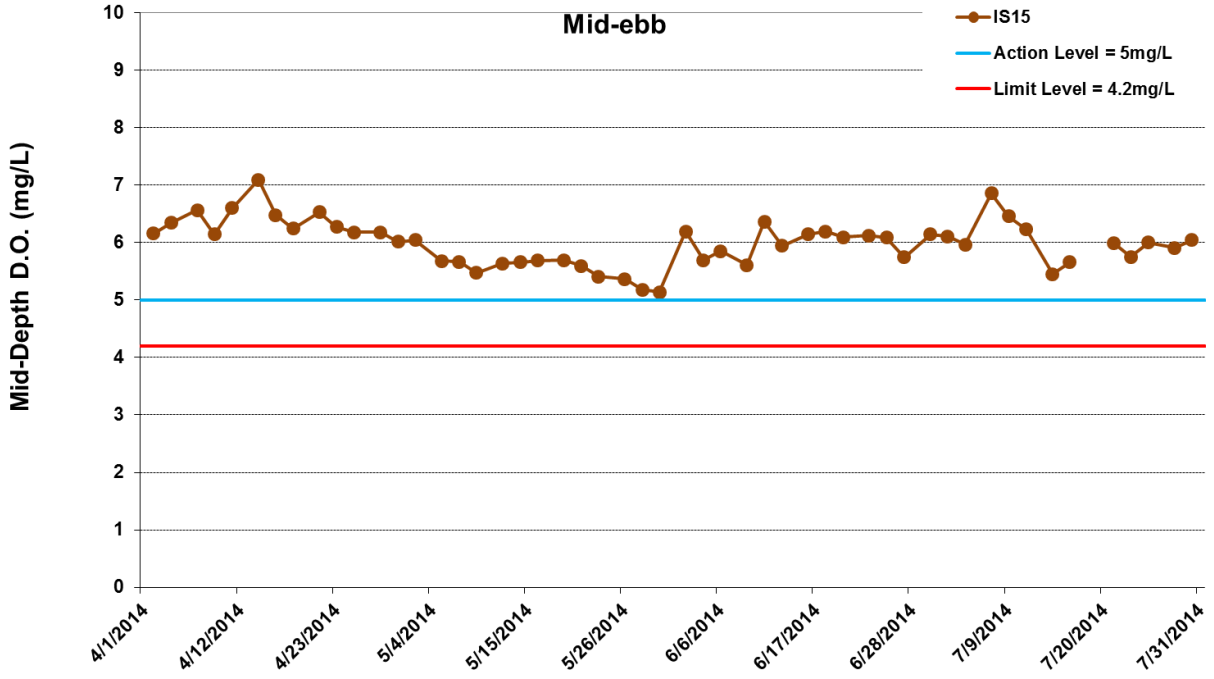


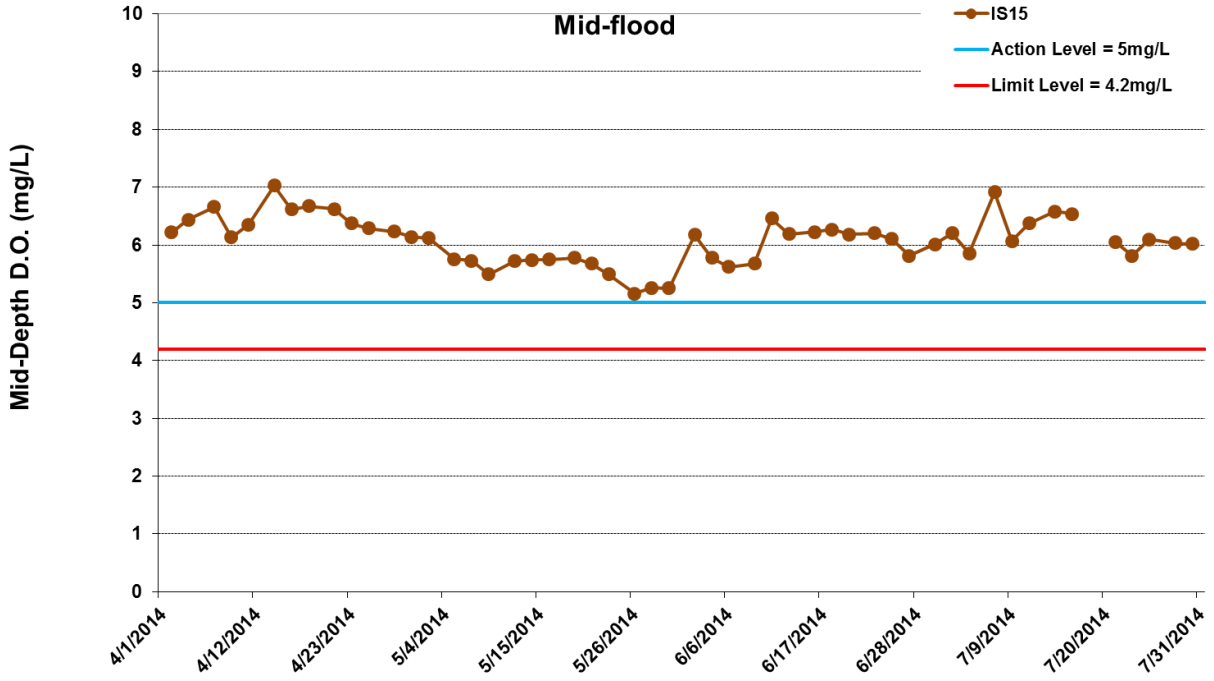


*No data for Stations SR8 and SR9 due to shallow water depth (< 6m).

Figure I14 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in mid-depth waters between 1 April 2014 and 31 July 2014 at IS14. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls

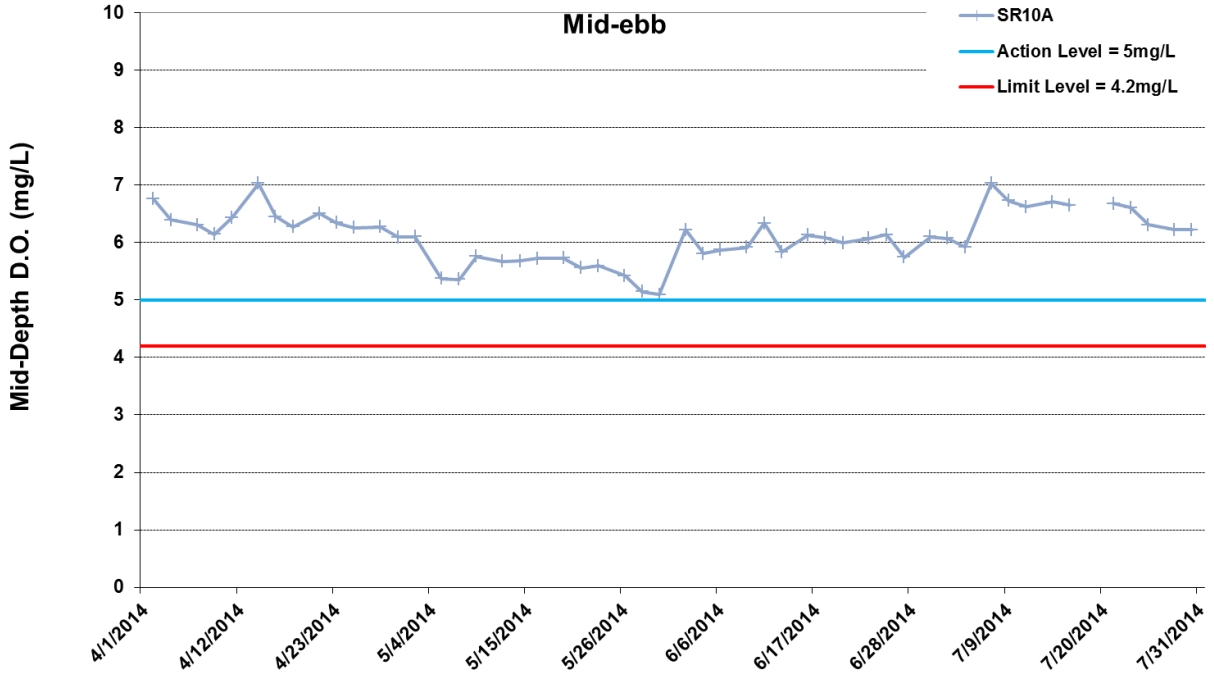


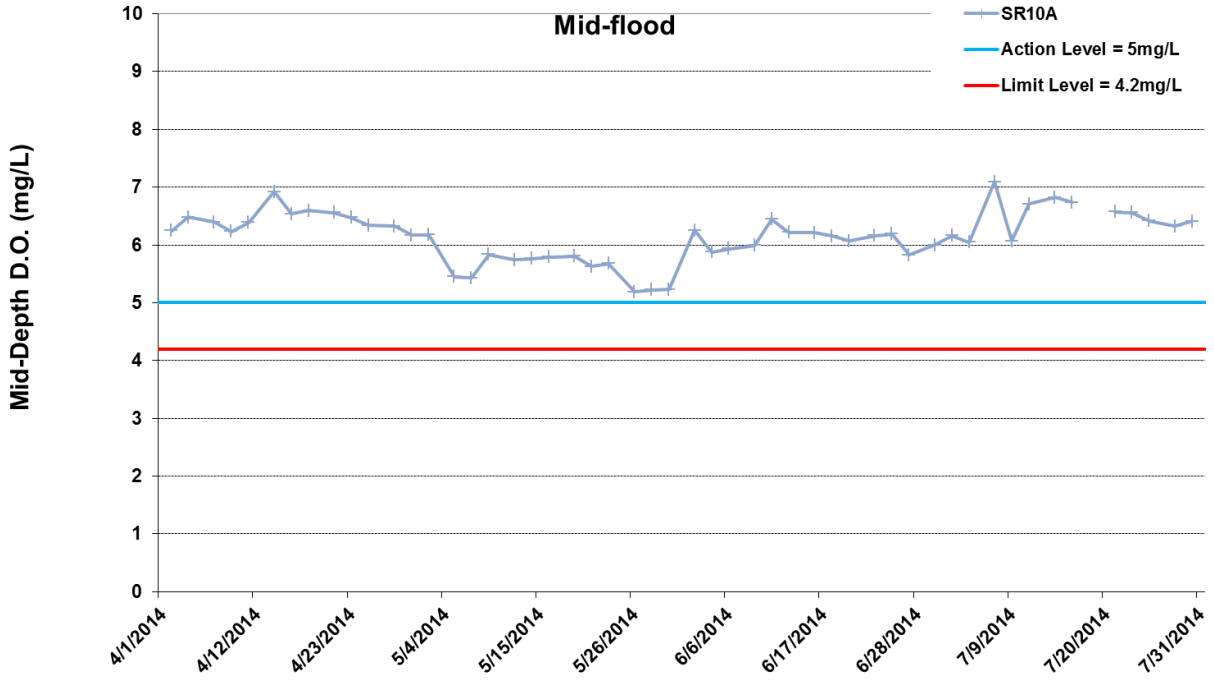


*No data for Stations SR8 and SR9 due to shallow water depth (< 6m).

Figure I15 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in mid-depth waters between 1 April 2014 and 31 July 2014 at IS15. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls

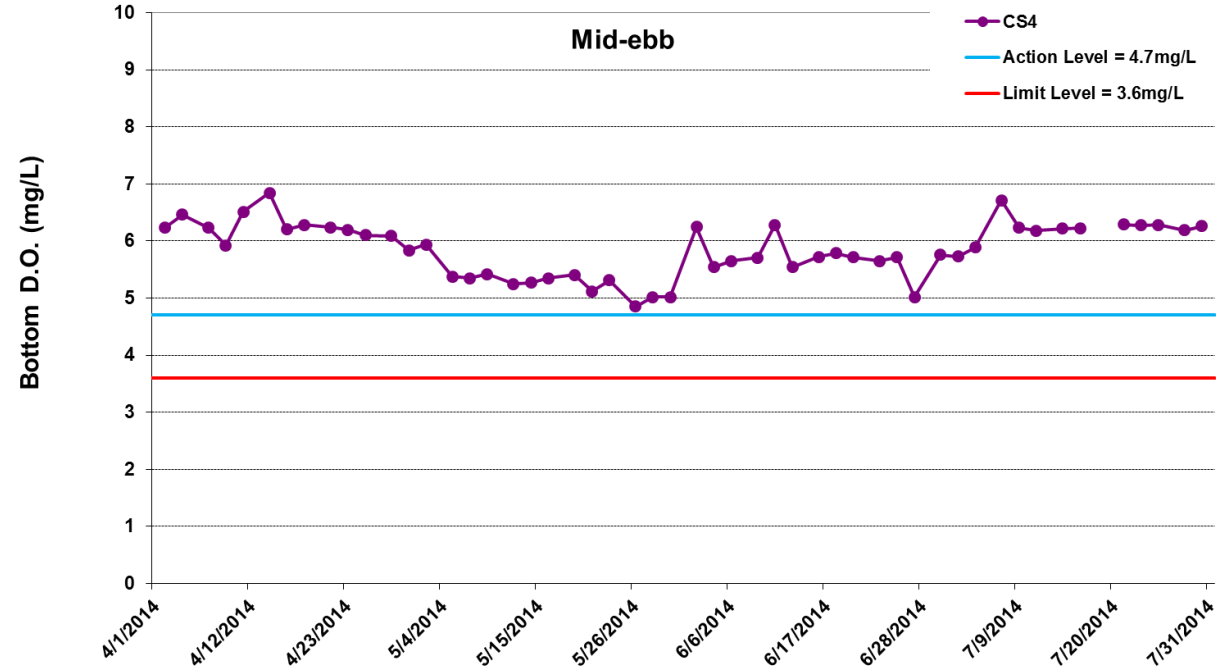




*No data for Stations SR8 and SR9 due to shallow water depth (< 6m).

Figure I16 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in mid-depth waters between 1 April 2014 and 31 July 2014 at SR10A. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls



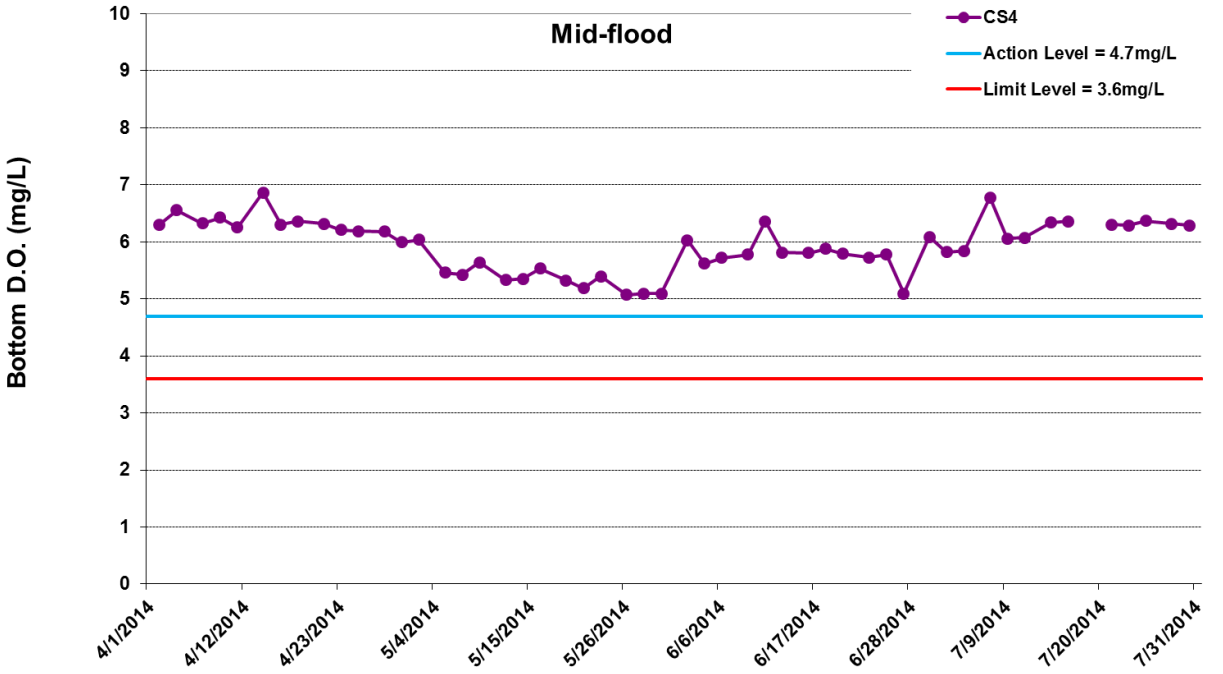
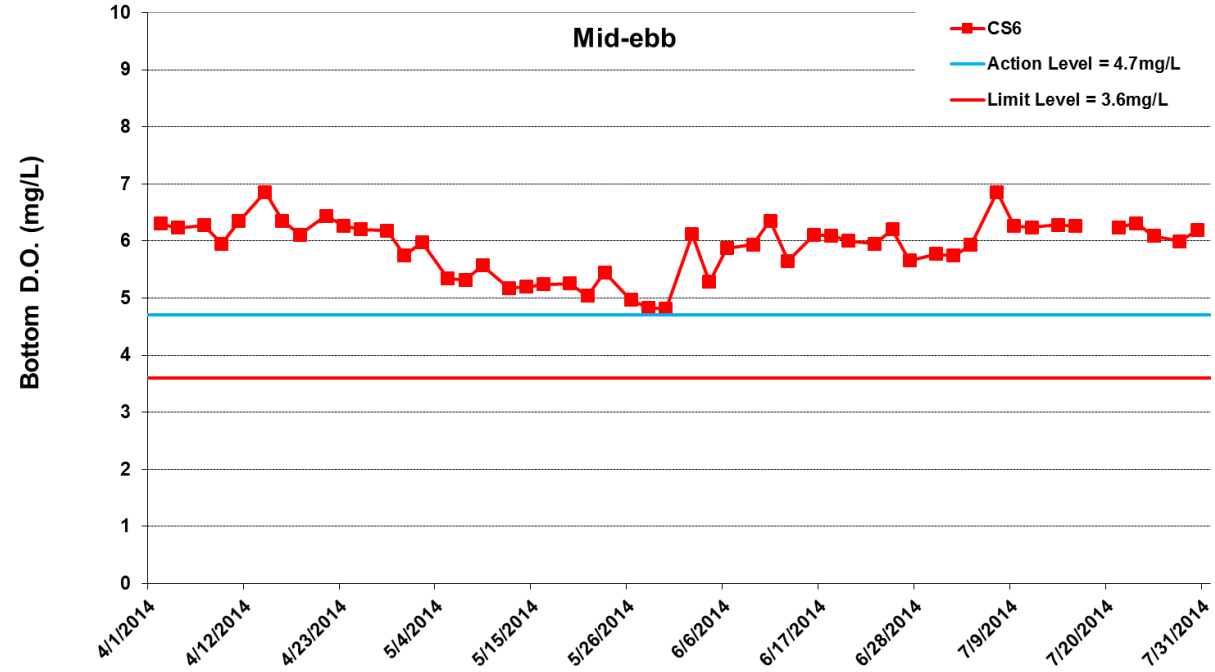


Figure I17 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 April 2014 and 31 July 2014 at CS4. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls



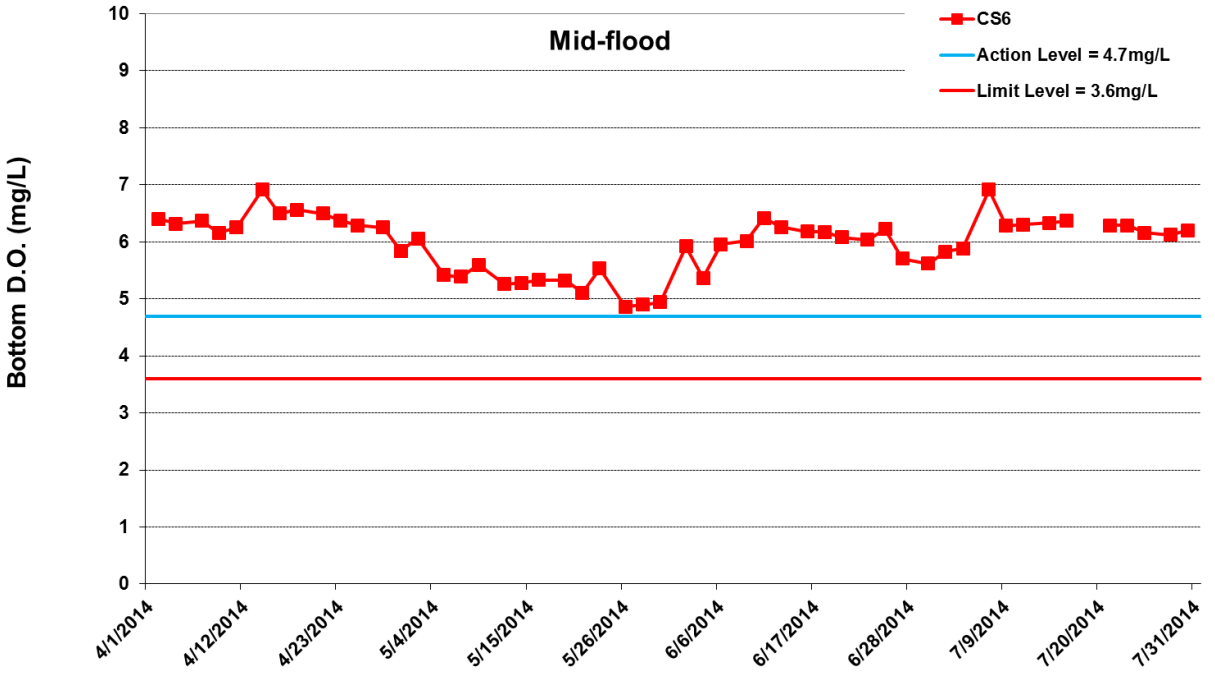
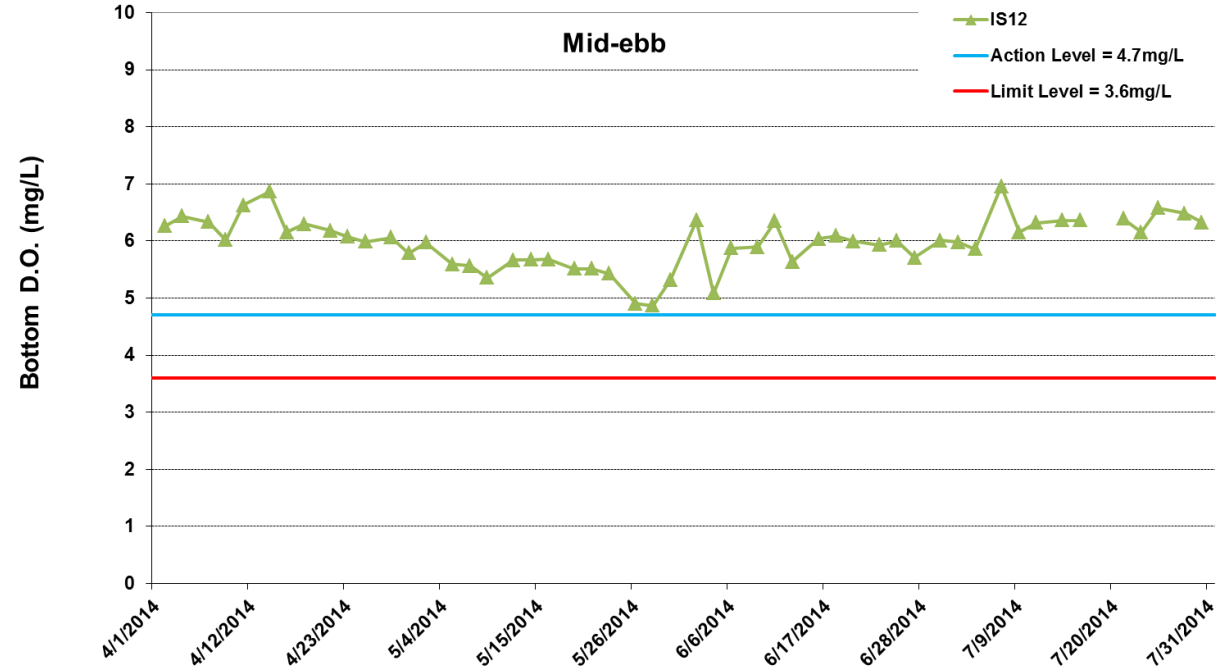


Figure I18 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 April 2014 and 31 July 2014 at CS6. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls



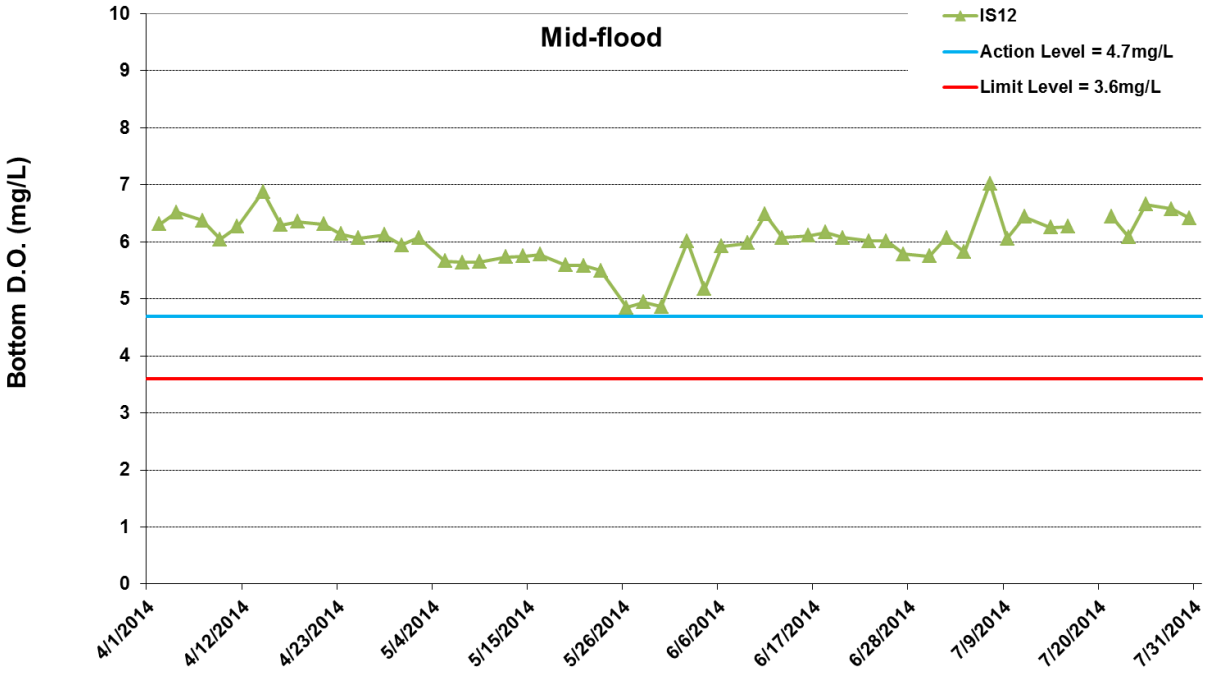
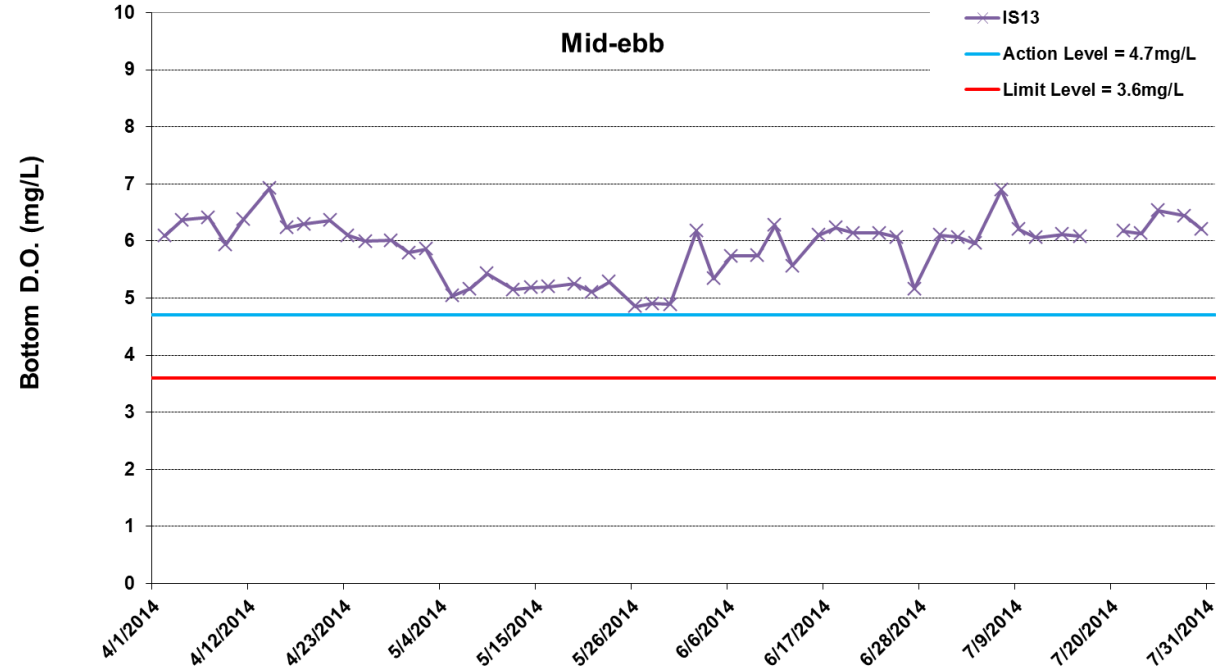


Figure I19 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 April 2014 and 31 July 2014 at IS12. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls



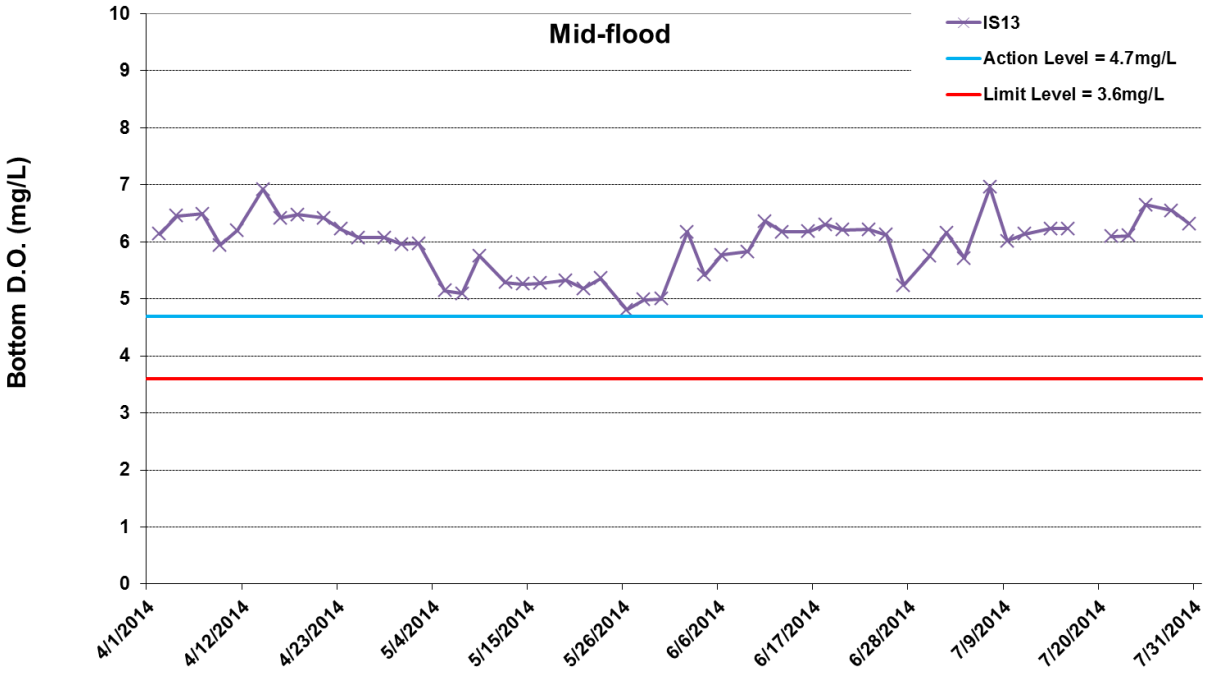
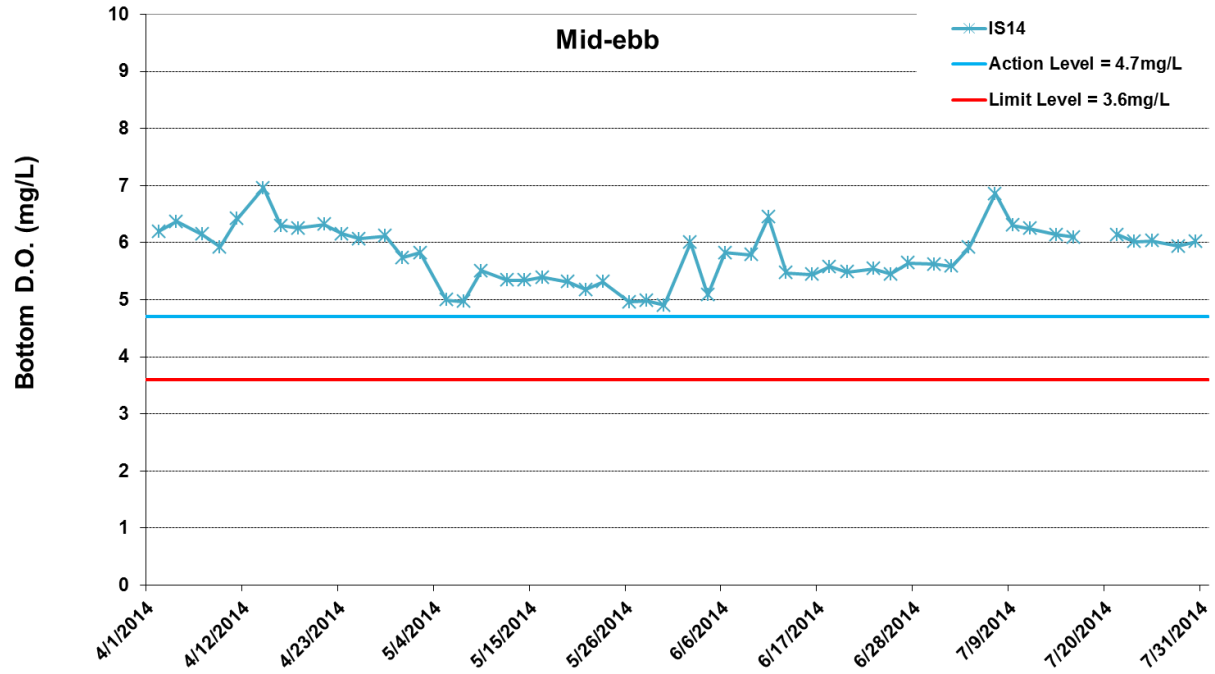


Figure I20 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 April 2014 and 31 July 2014 at IS13. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls



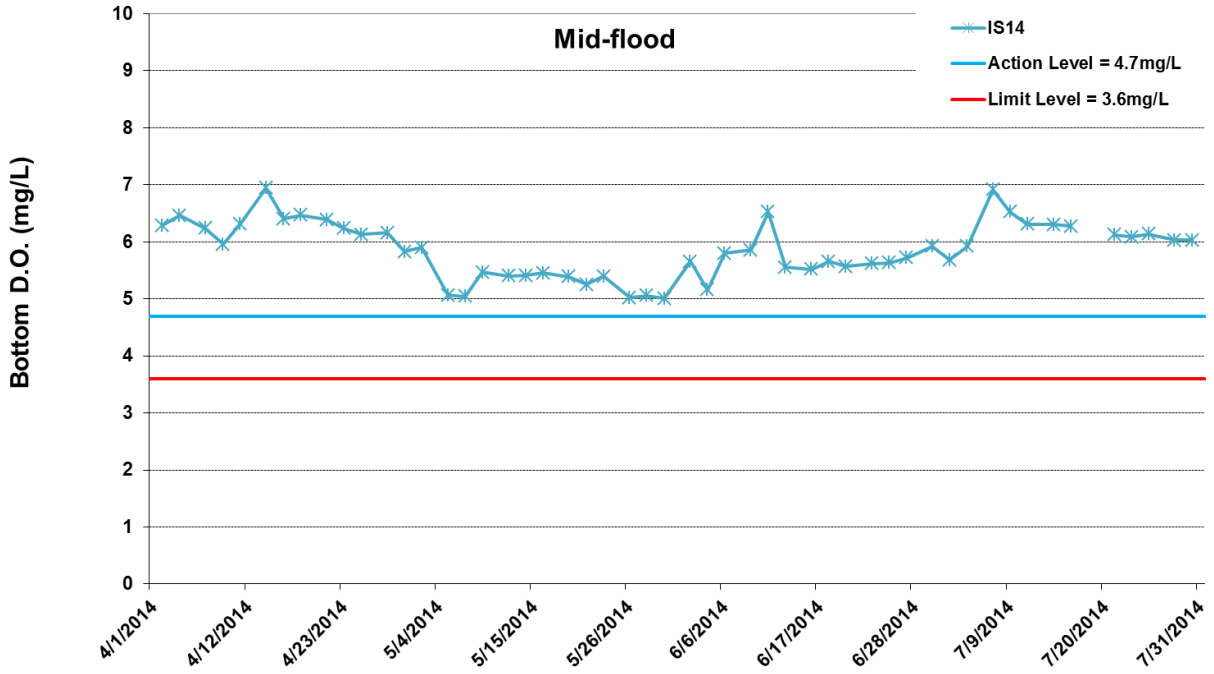


Figure I21 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 April 2014 and 31 July 2014 at IS14. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls

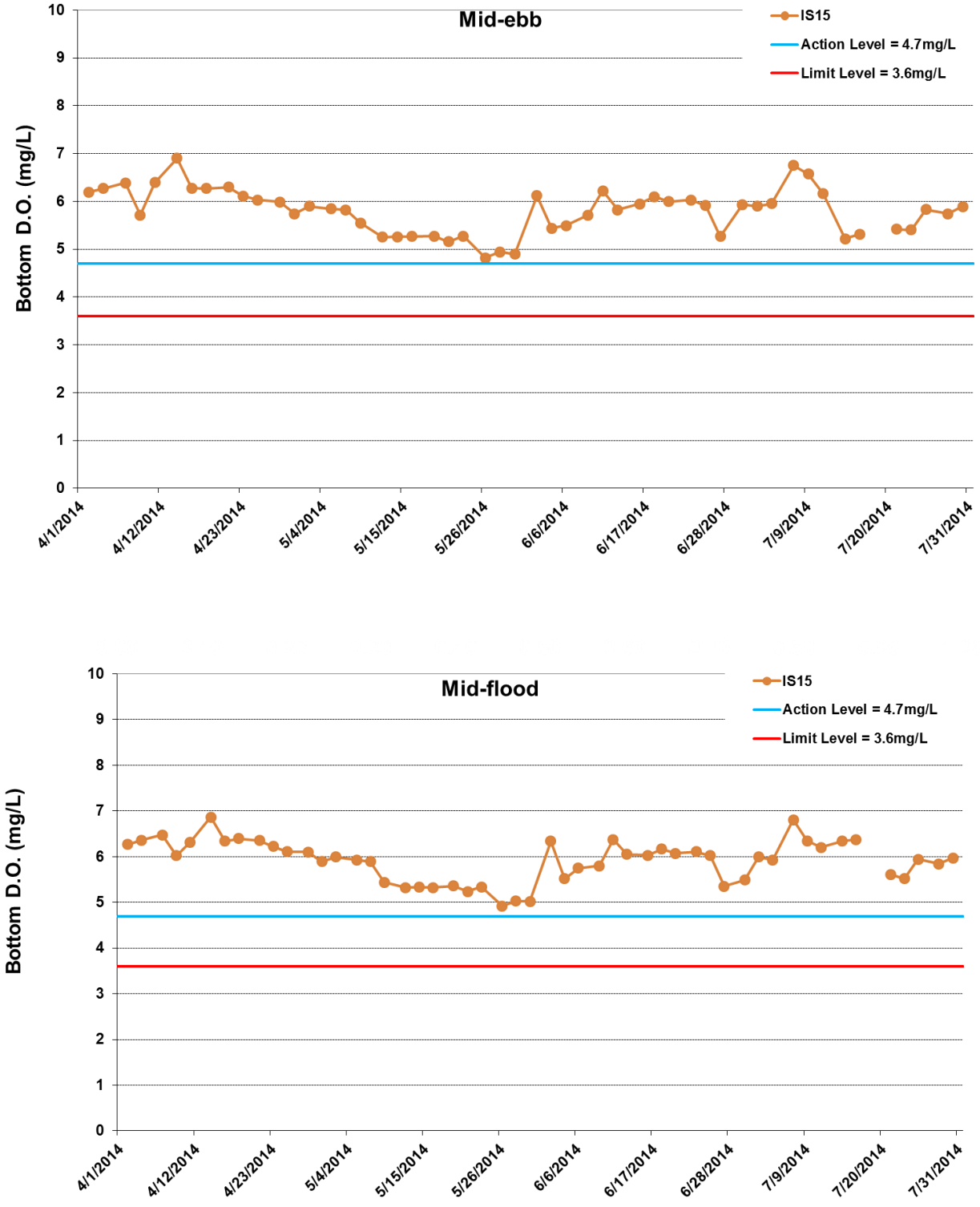
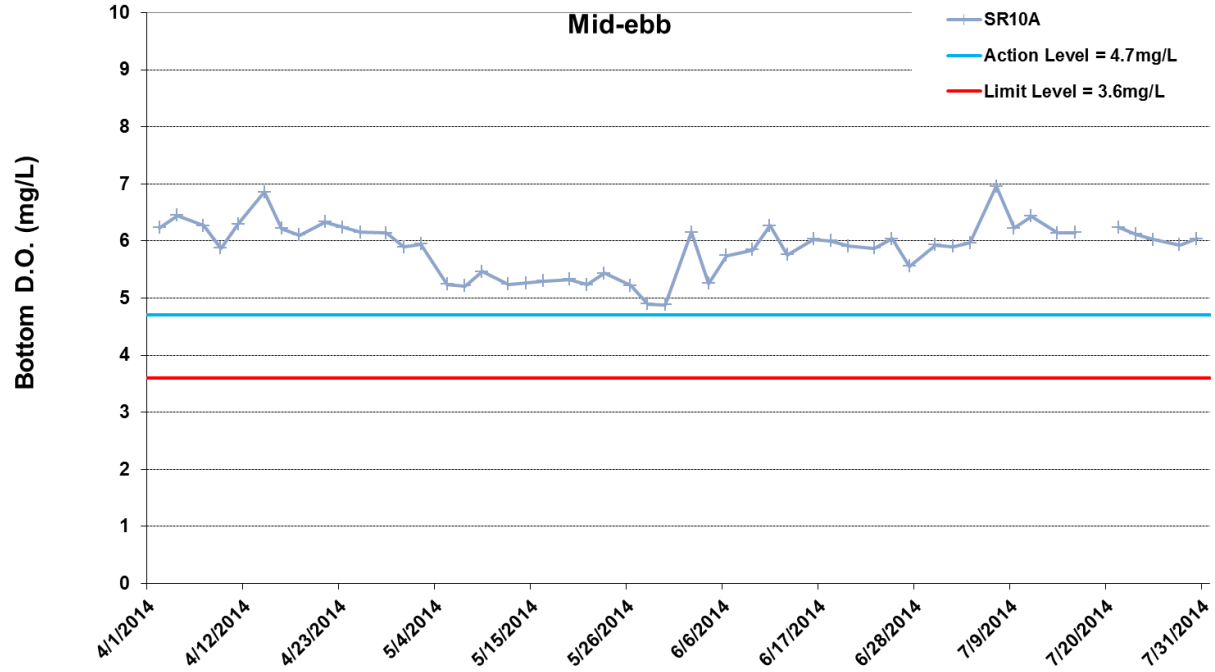


Figure I22 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 April 2014 and 31 July 2014 at IS15. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls



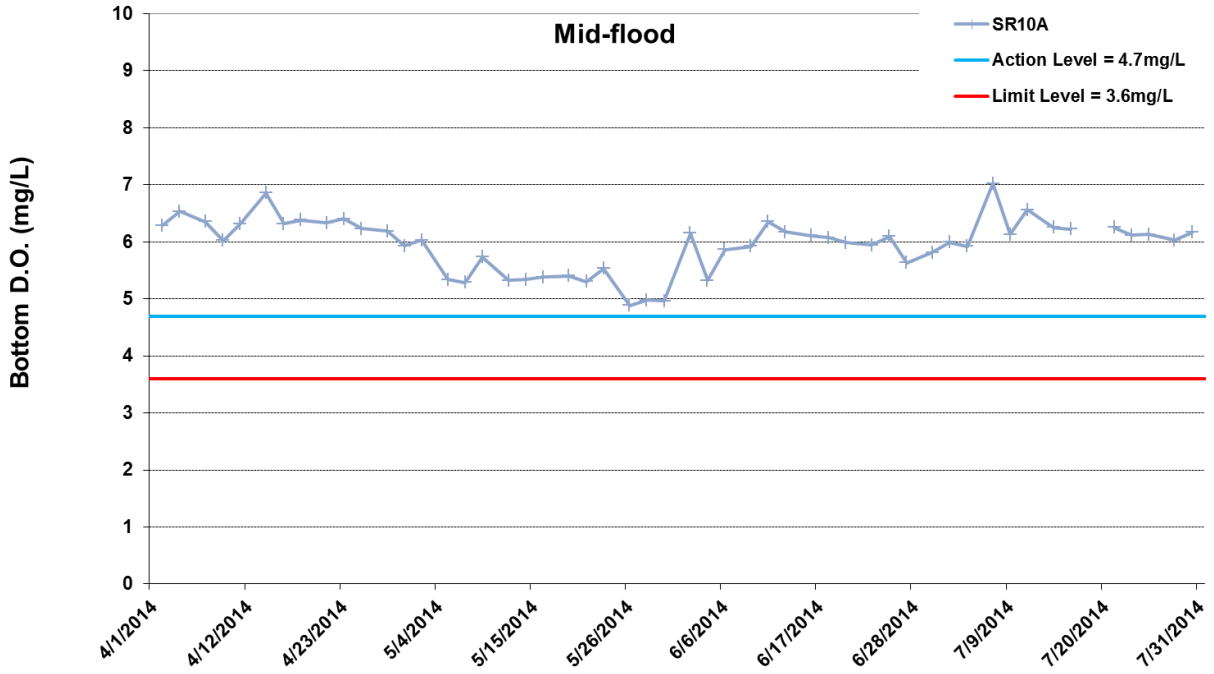
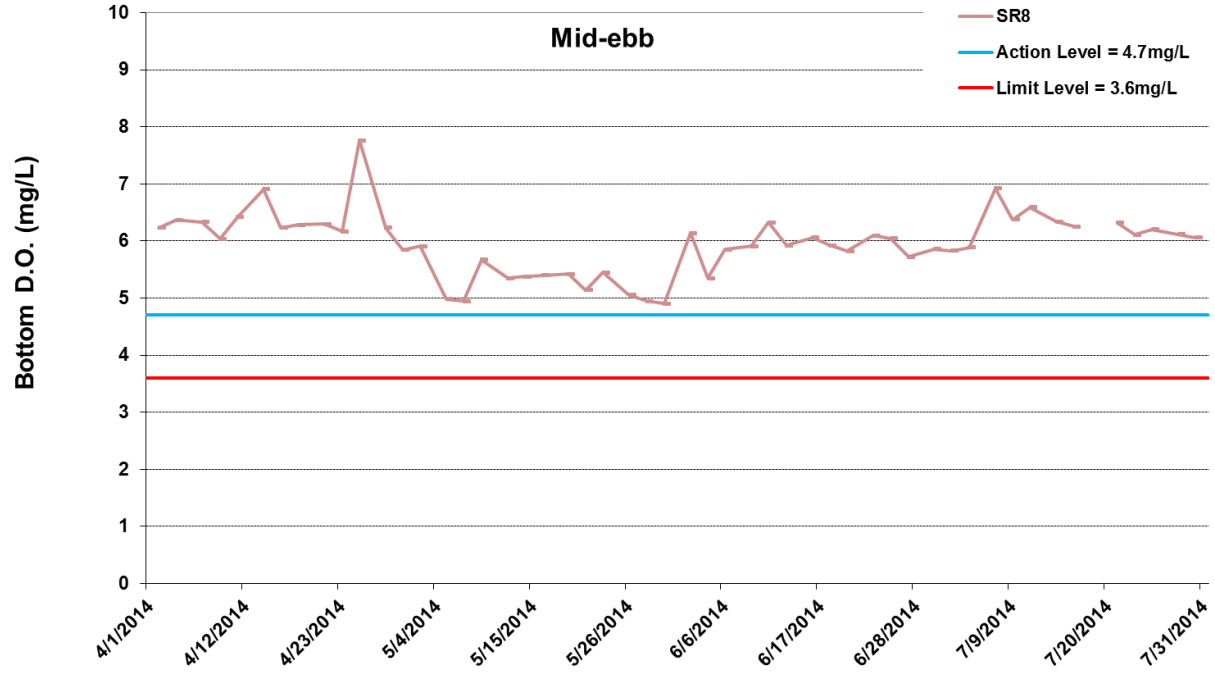


Figure I23 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 April 2014 and 31 July 2014 at SR10A. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls



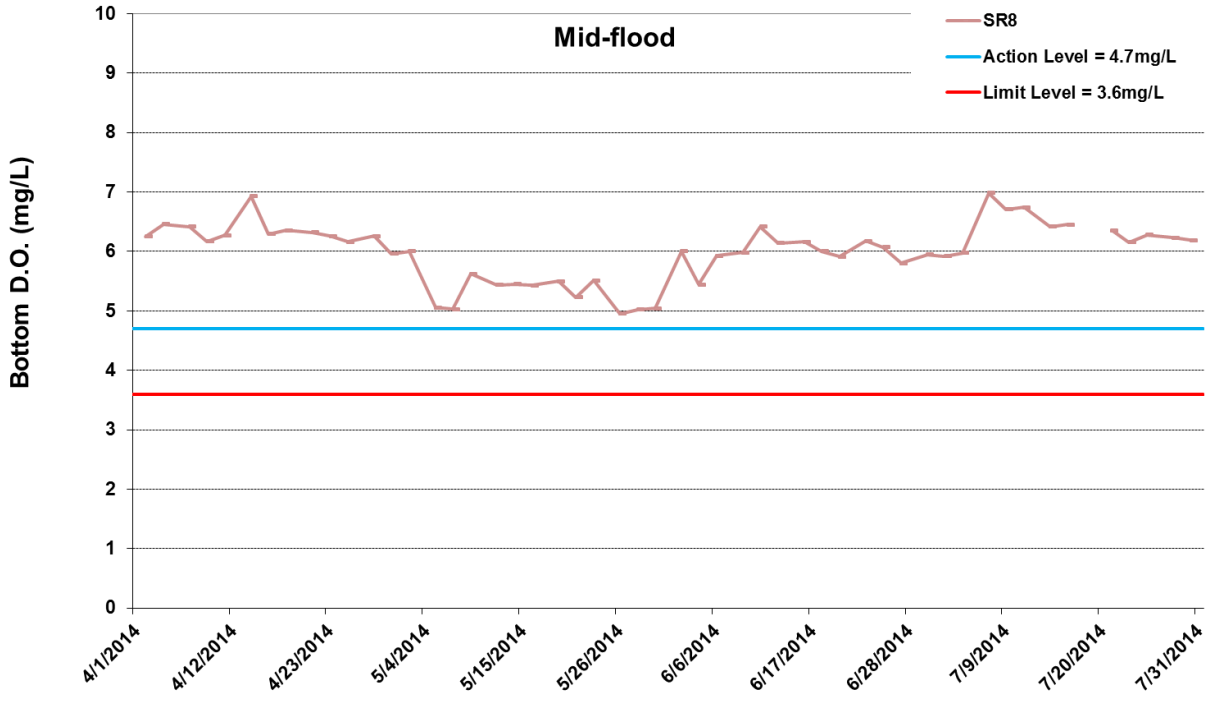
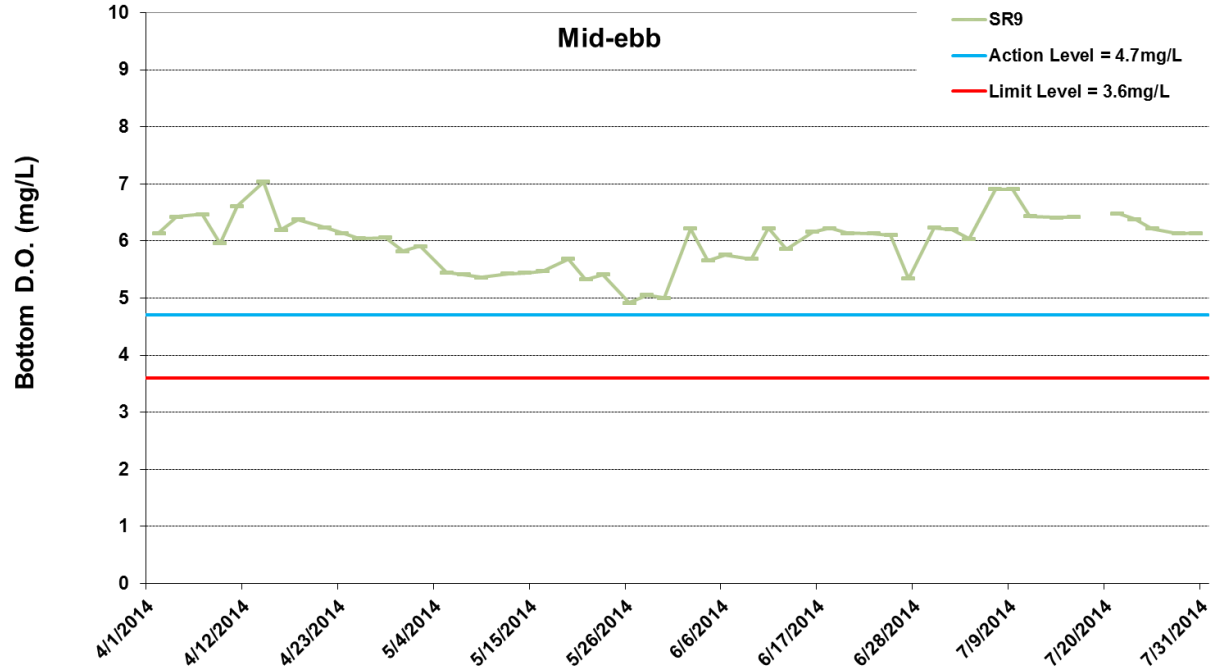


Figure I24 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 April 2014 and 31 July 2014 at SR8. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls



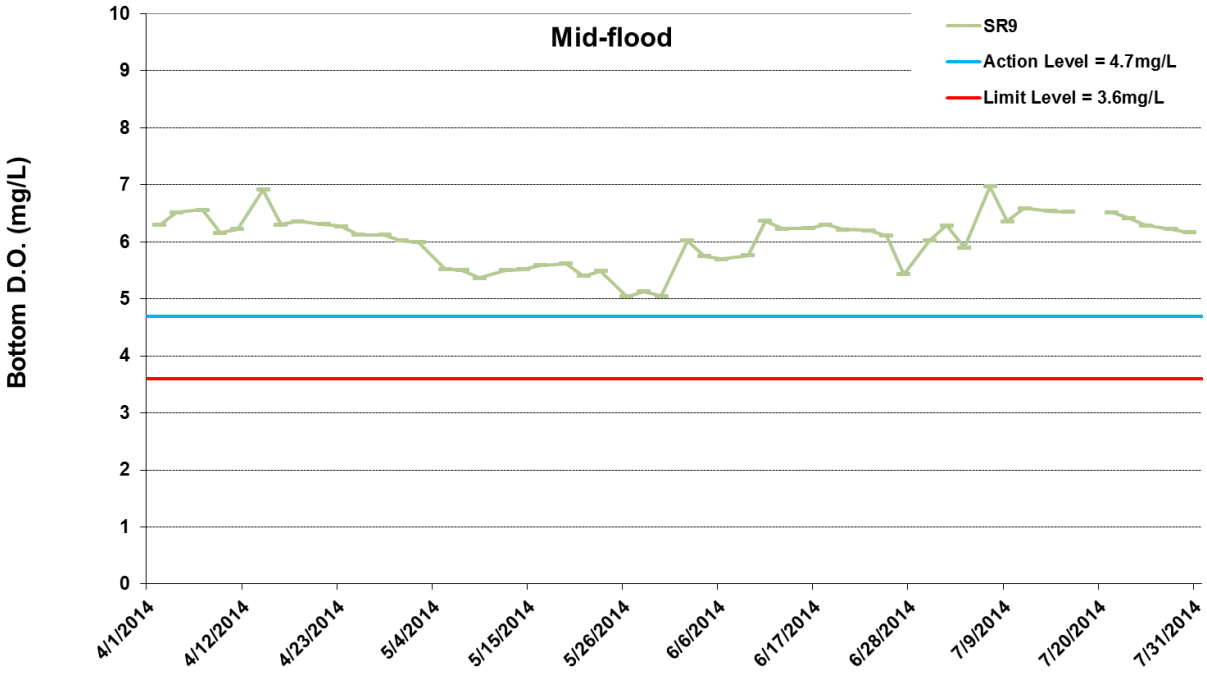


Figure I25 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 April 2014 and 31 July 2014 at SR9. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

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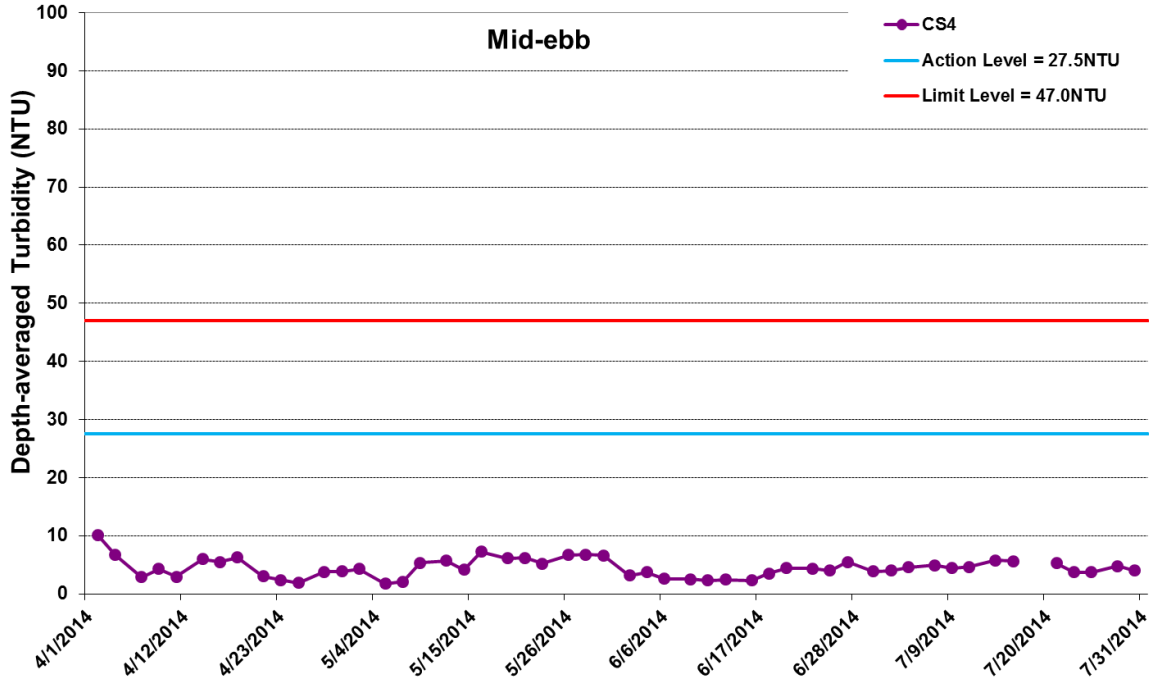


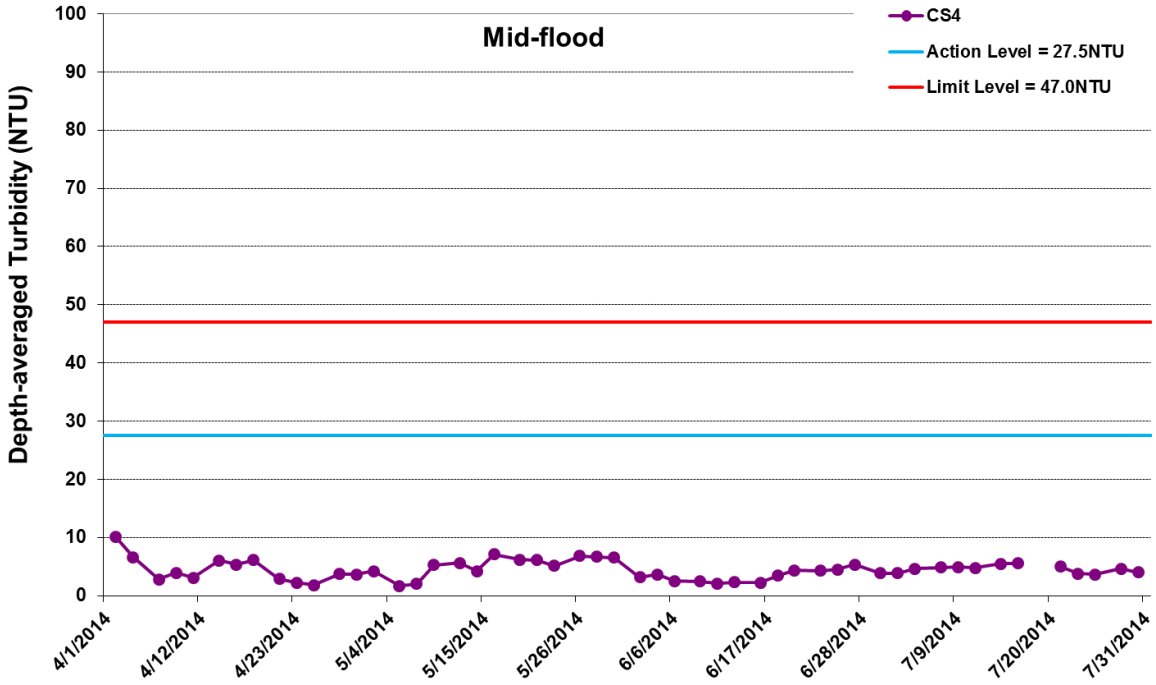
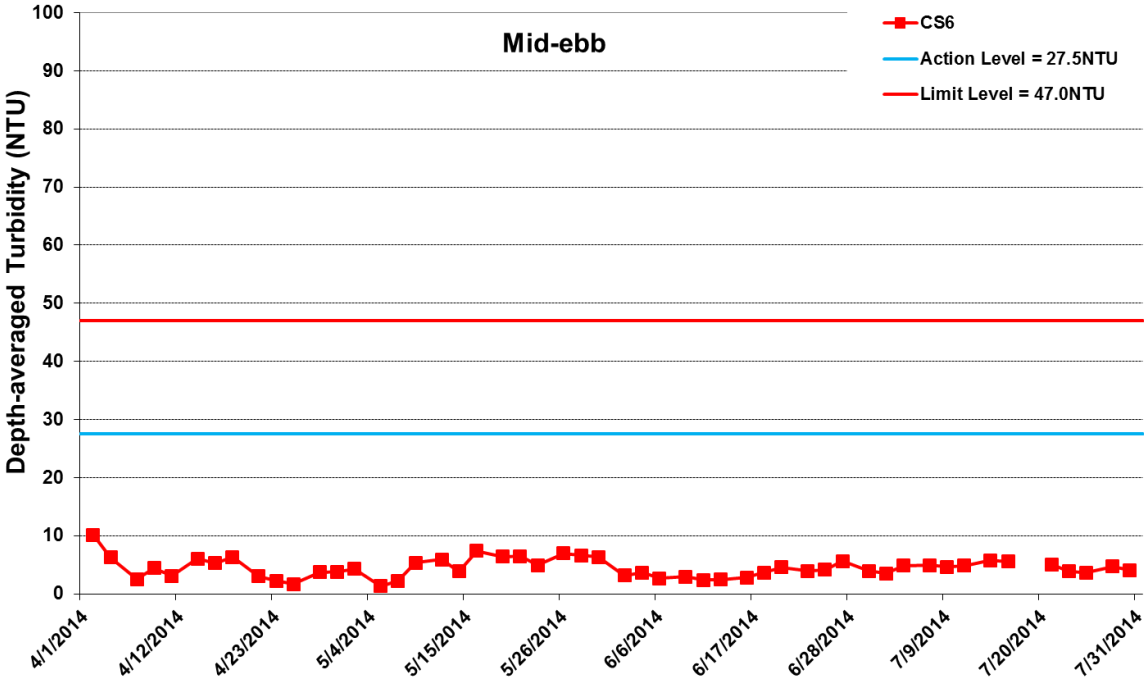


Figure I26 Impact Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 April 2014 and 31 July 2014 at CS4. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls



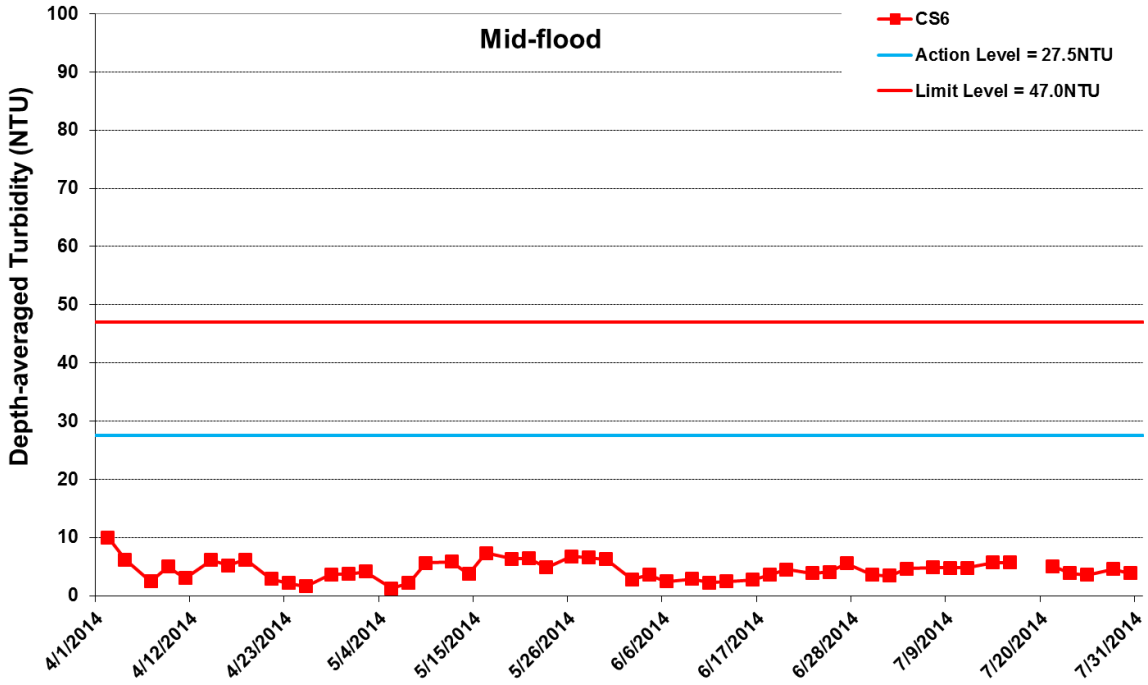
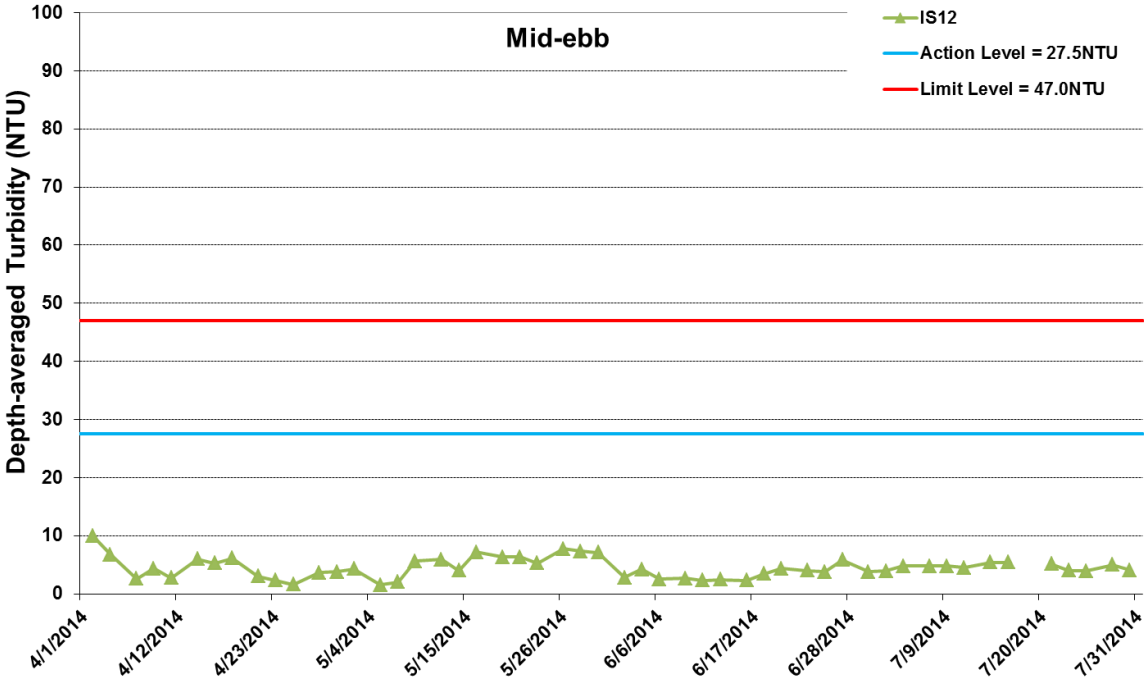


Figure I27 Impact Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 April 2014 and 31 July 2014 at CS6. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls



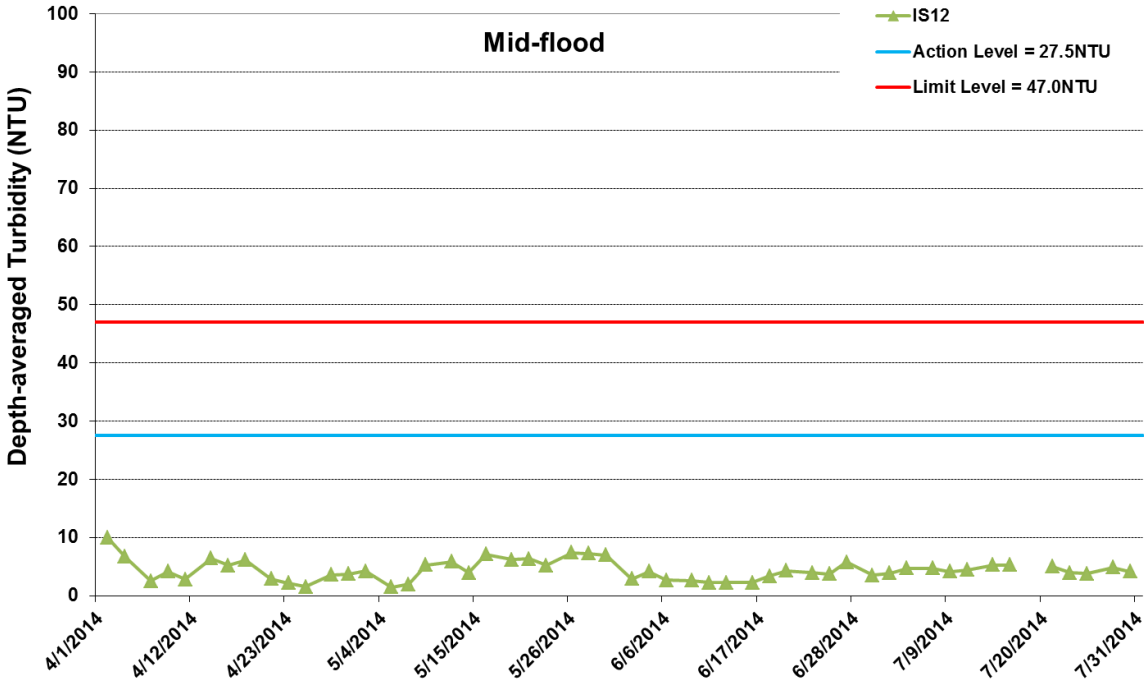
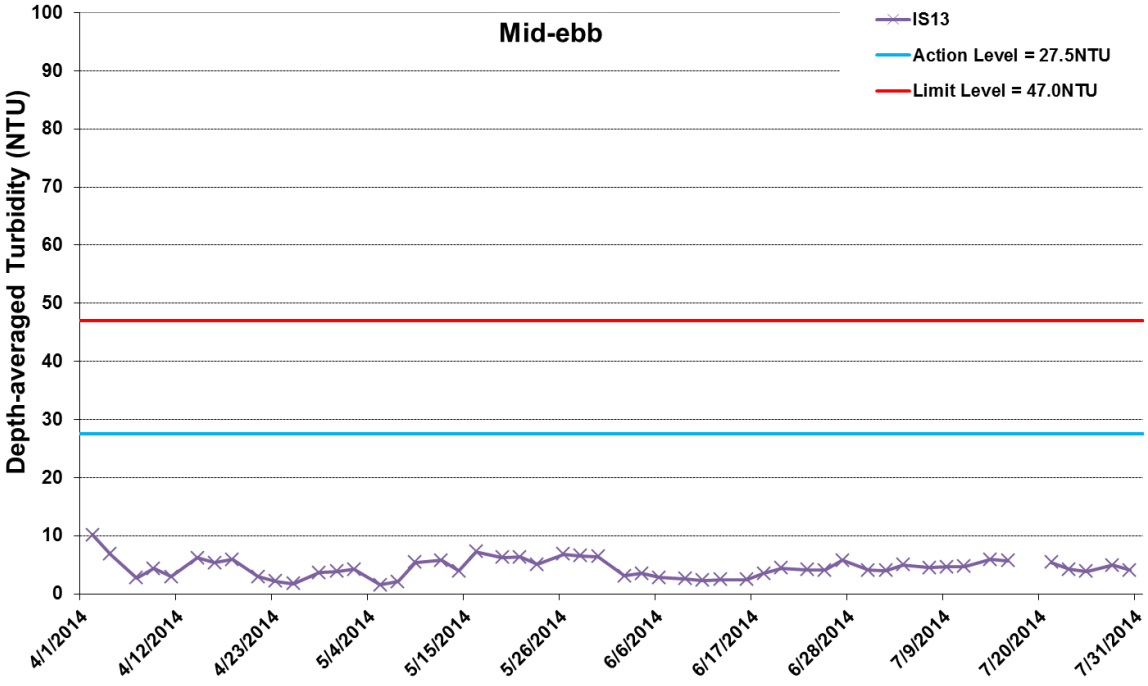


Figure I28 Impact Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 April 2014 and 31 July 2014 at IS12. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls



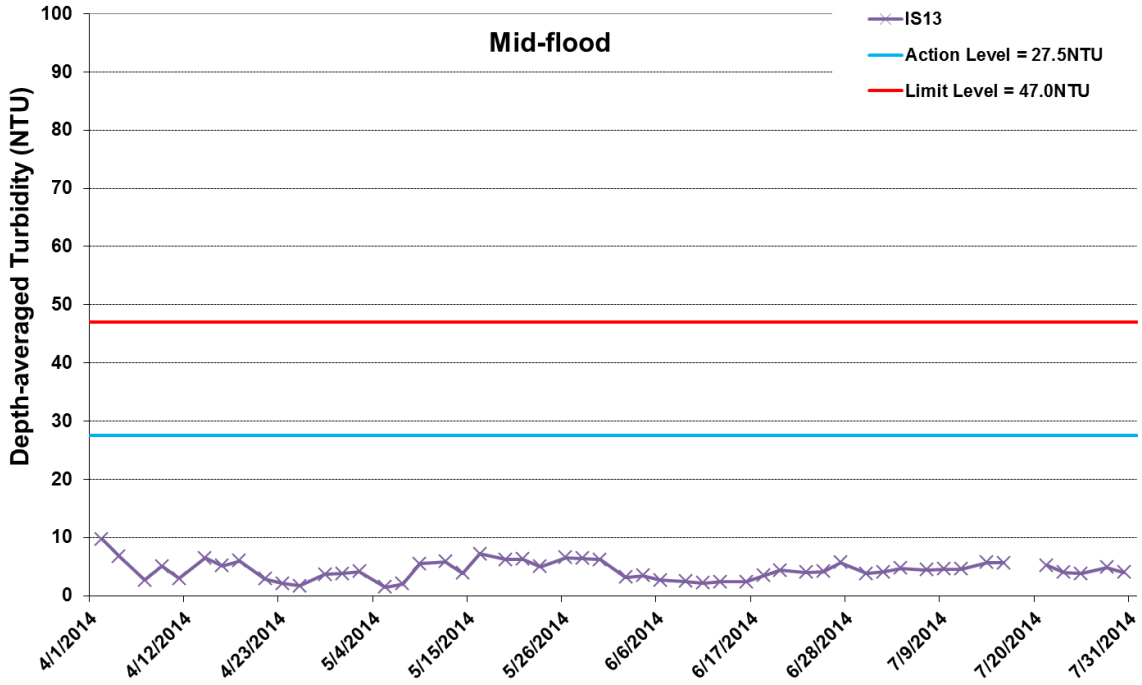


Figure I29 Impact Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 April 2014 and 31 July 2014 at IS13. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

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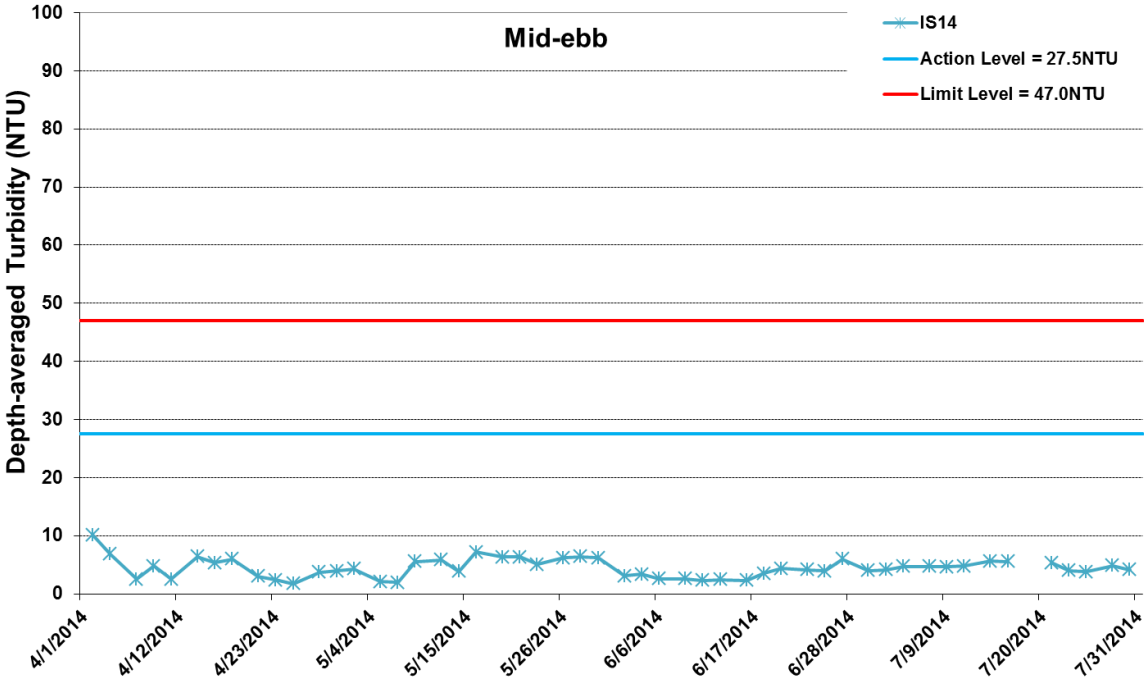

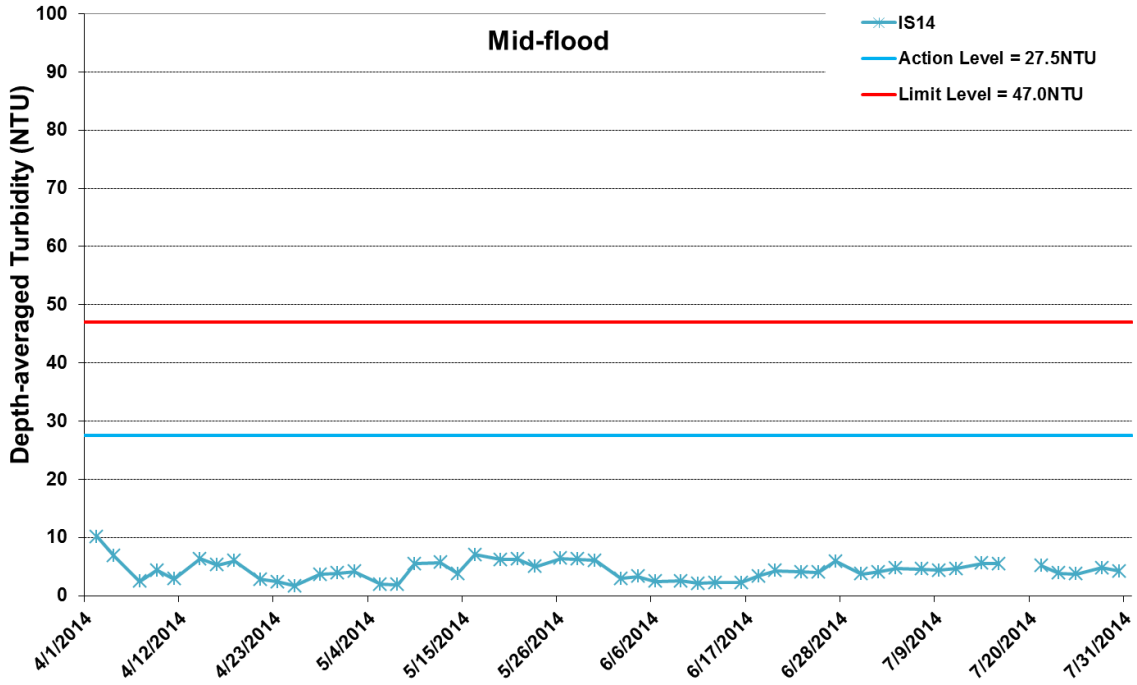

Figure I30 Impact Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 April 2014 and 31 July 2014 at IS14. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

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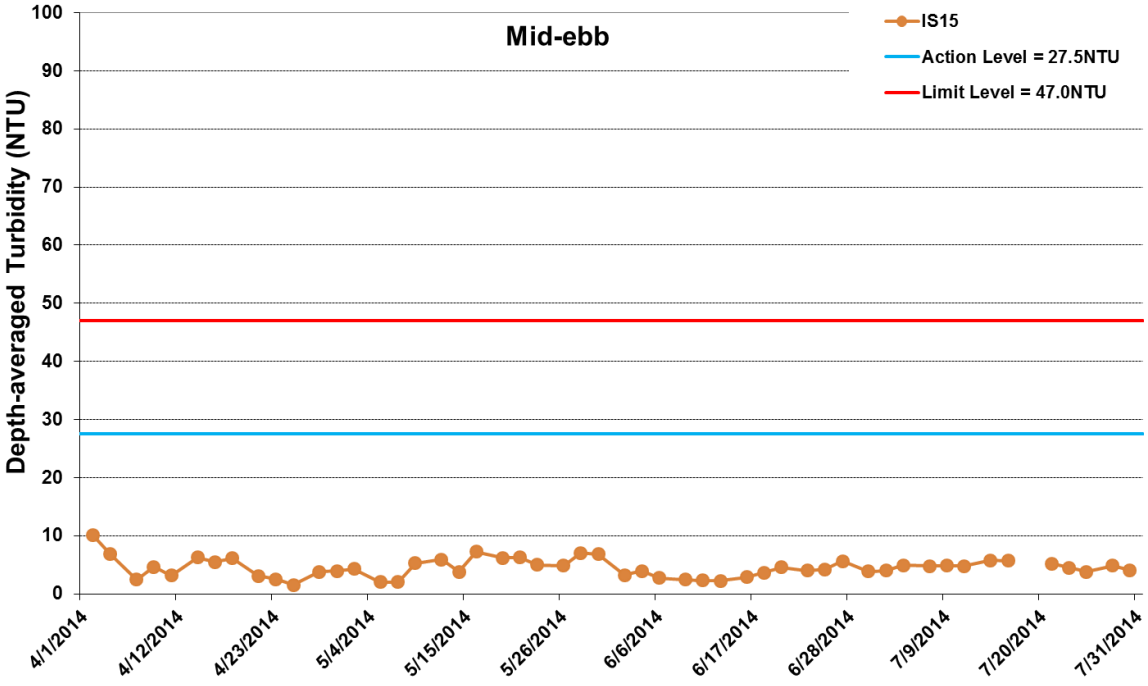

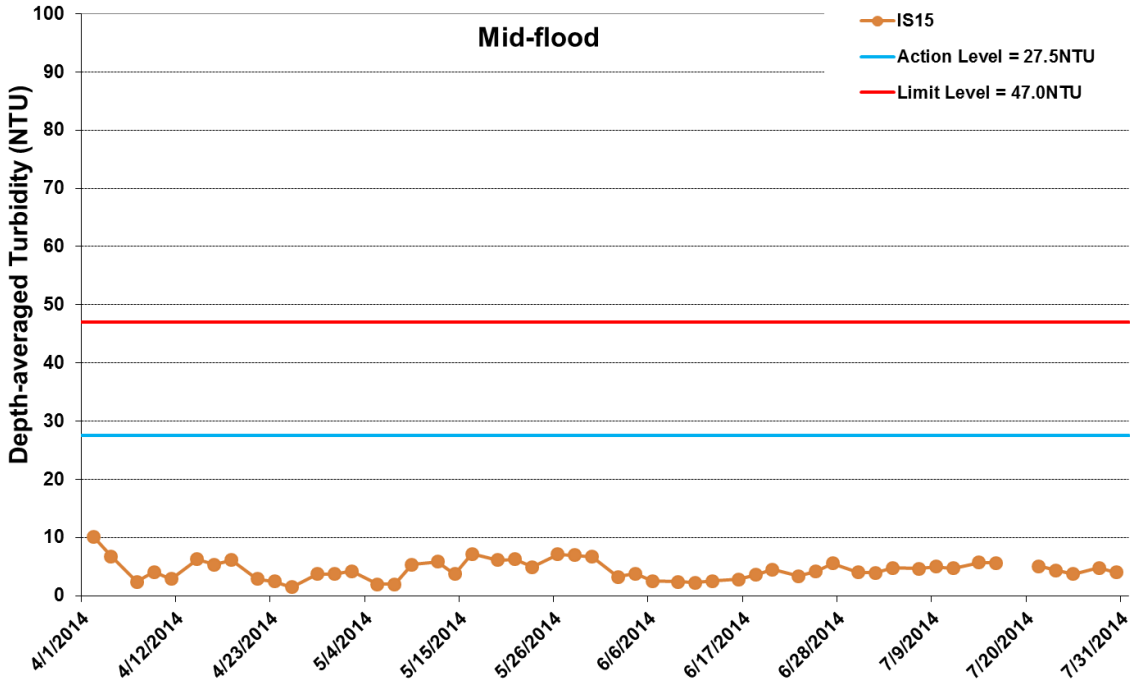

Figure I31 Impact Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 April 2014 and 31 July 2014 at IS15. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

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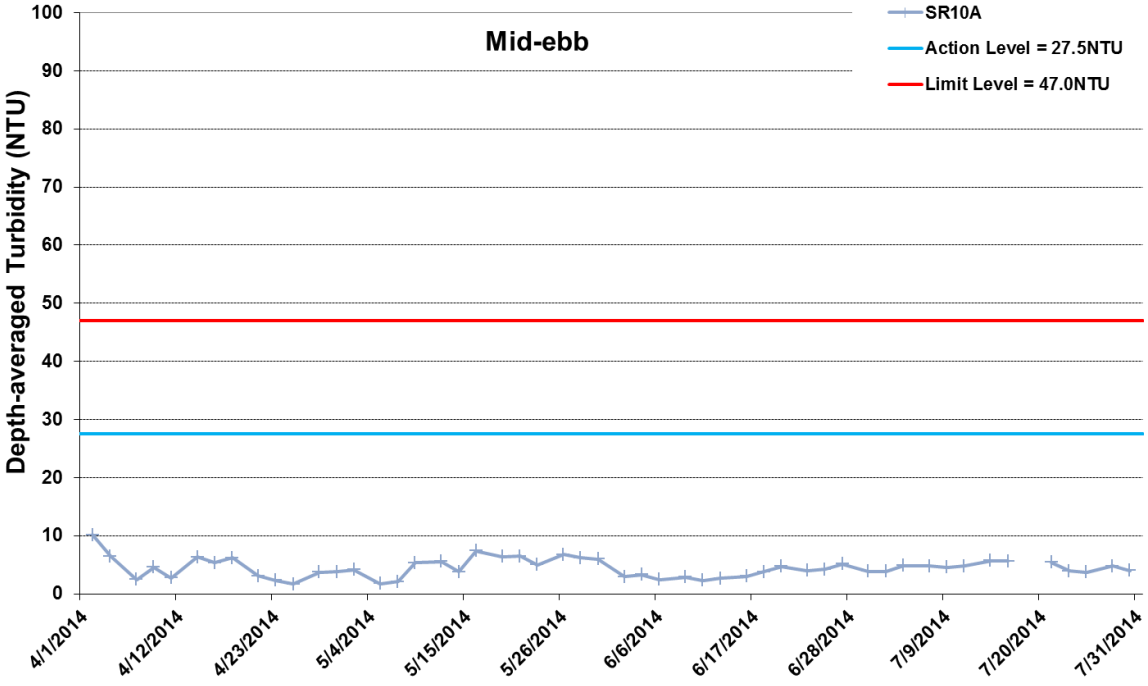

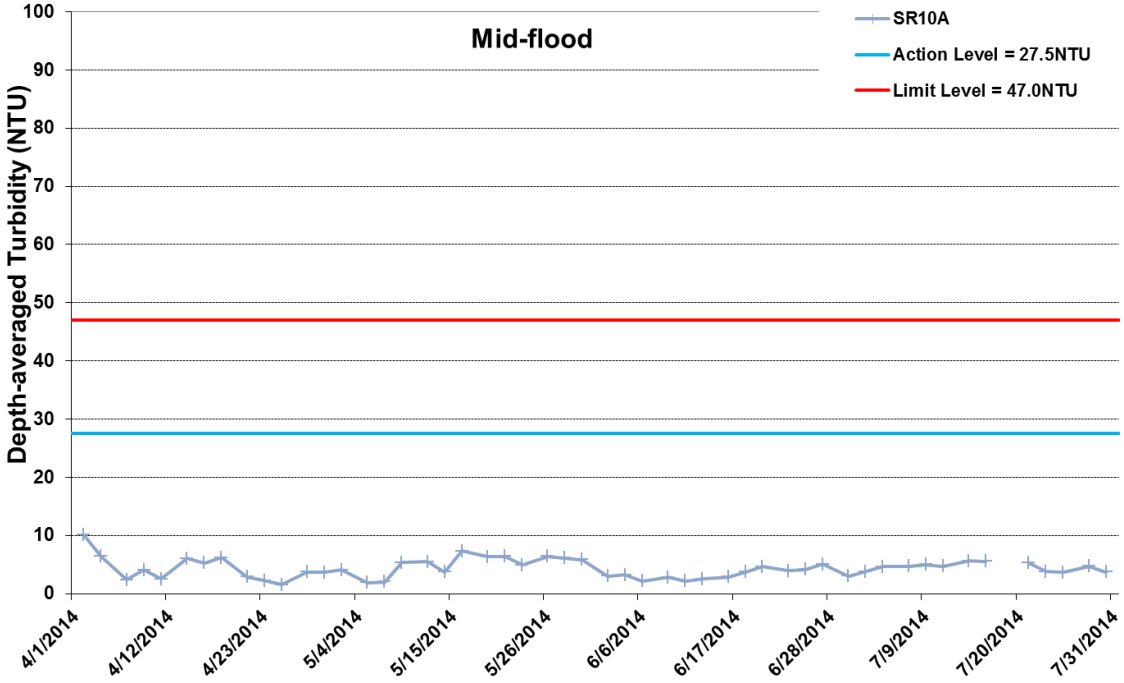

Figure I32 Impact Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 April 2014 and 31 July 2014 at SR10A. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

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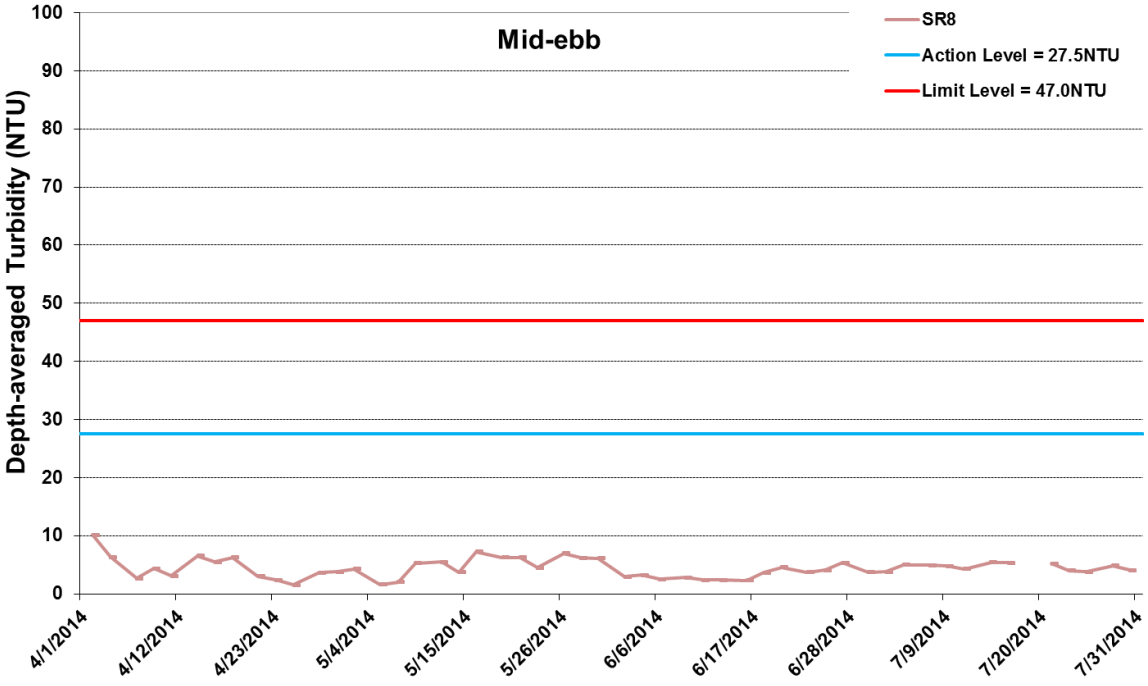

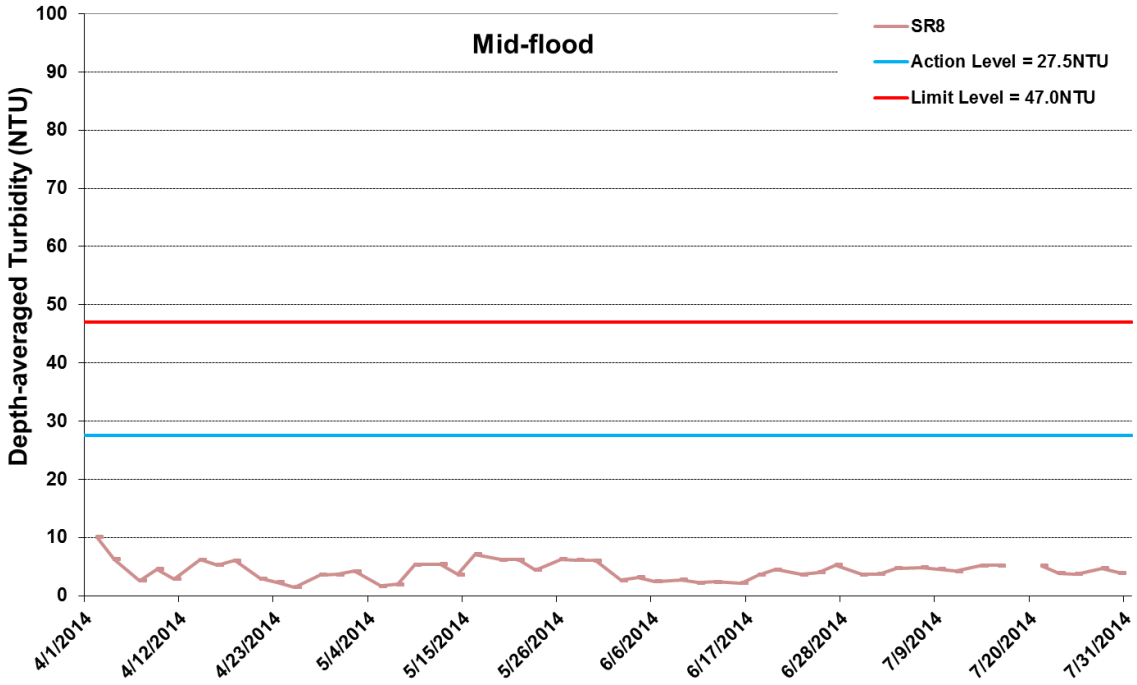

Figure I33 Impact Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 April 2014 and 31 July 2014 at SR8. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

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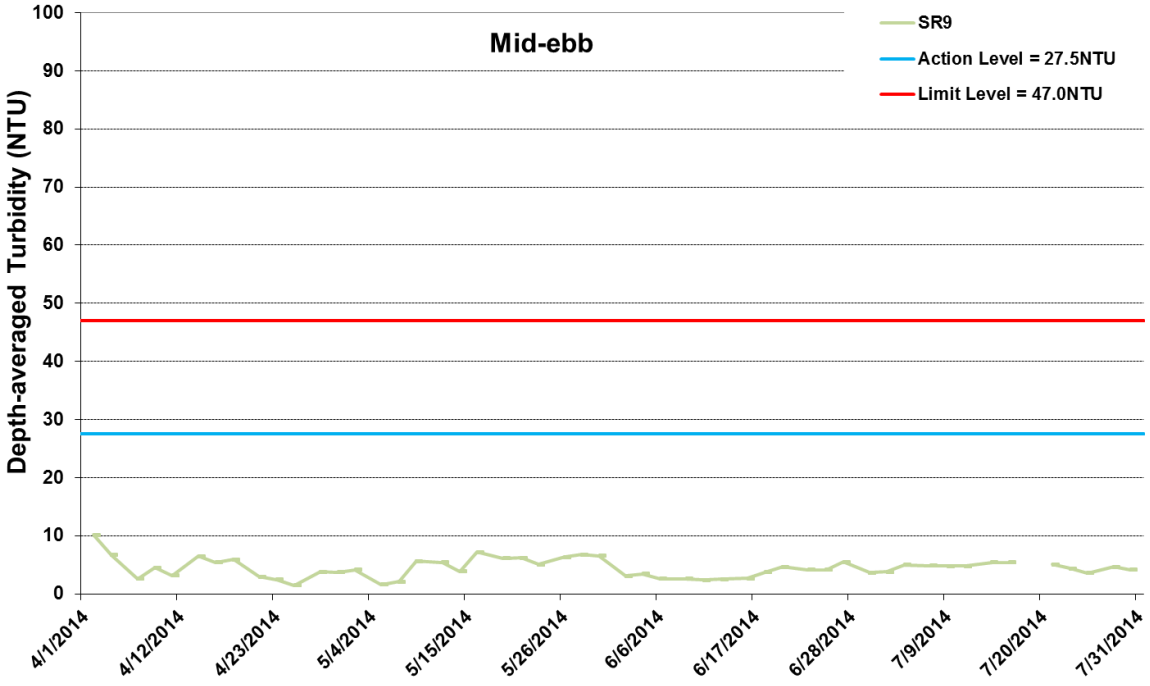

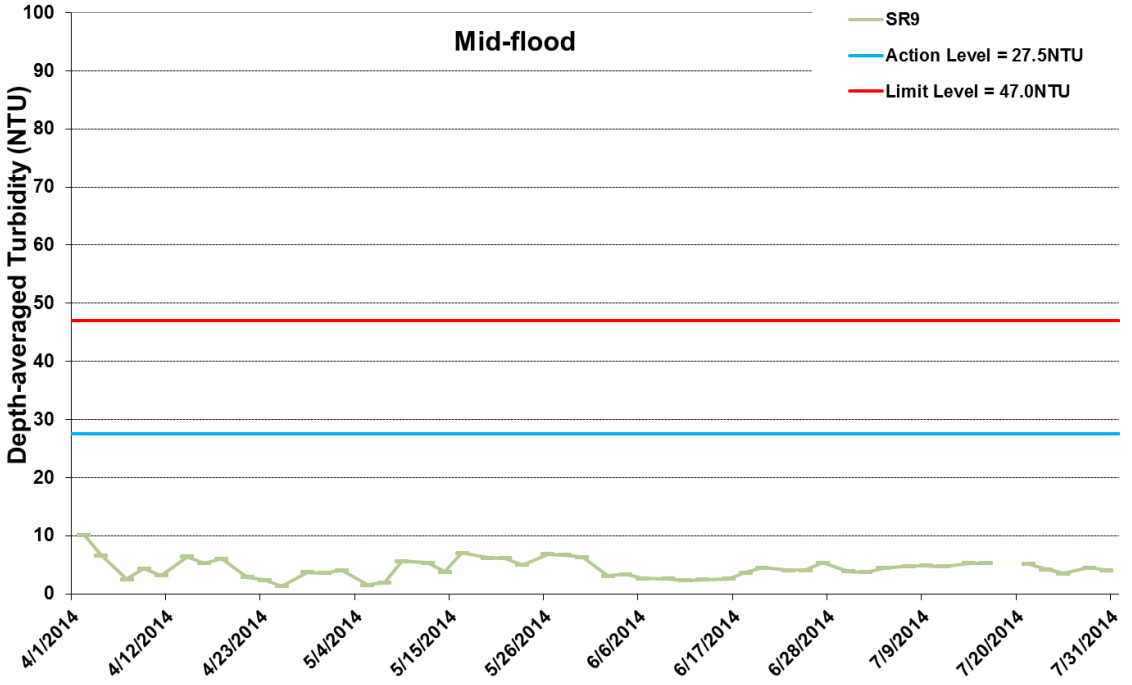

Figure I34 Impact Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 April 2014 and 31 July 2014 at SR9. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

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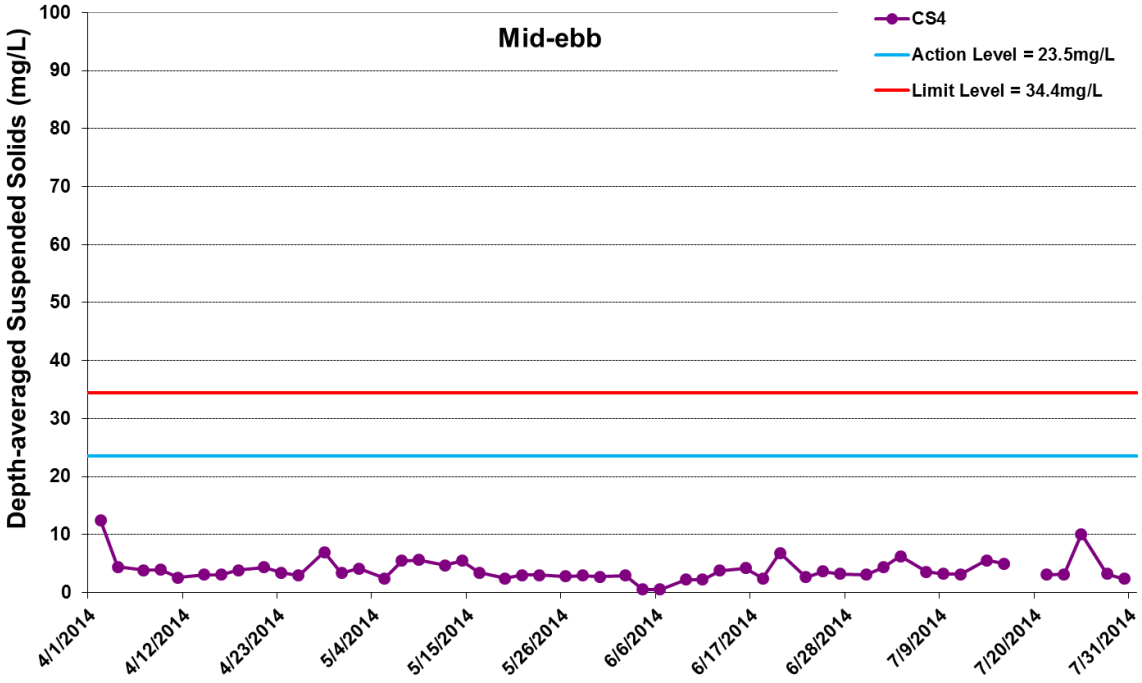

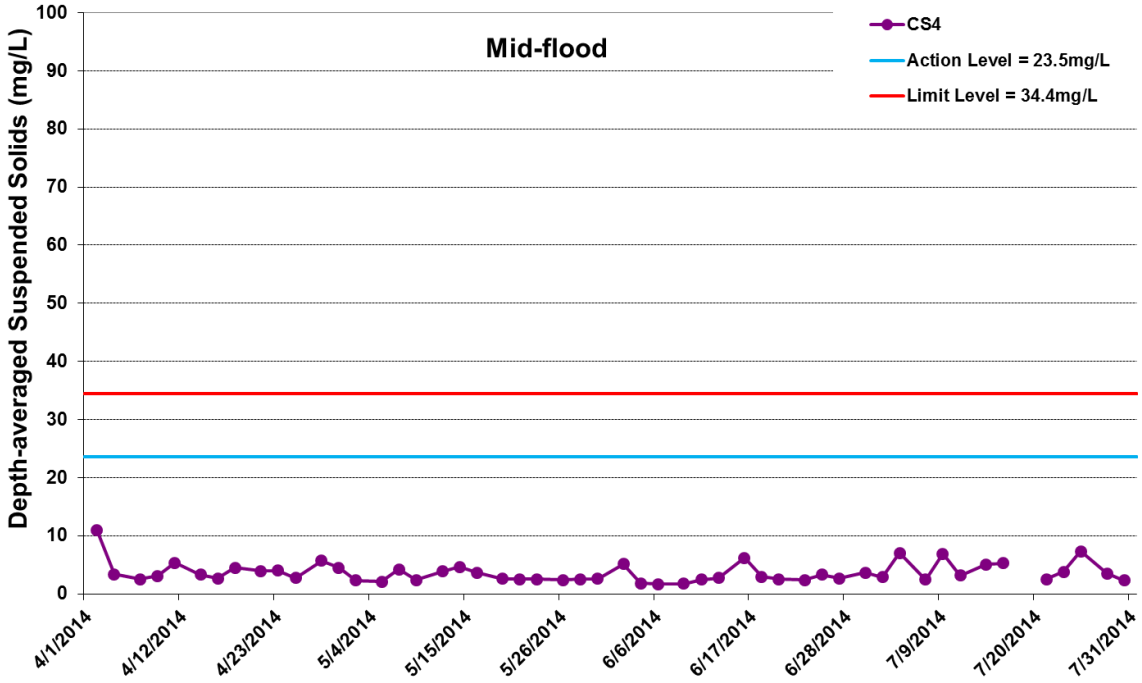

Figure I35 Impact Monitoring – Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 April 2014 and 31 July 2014 at CS4. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

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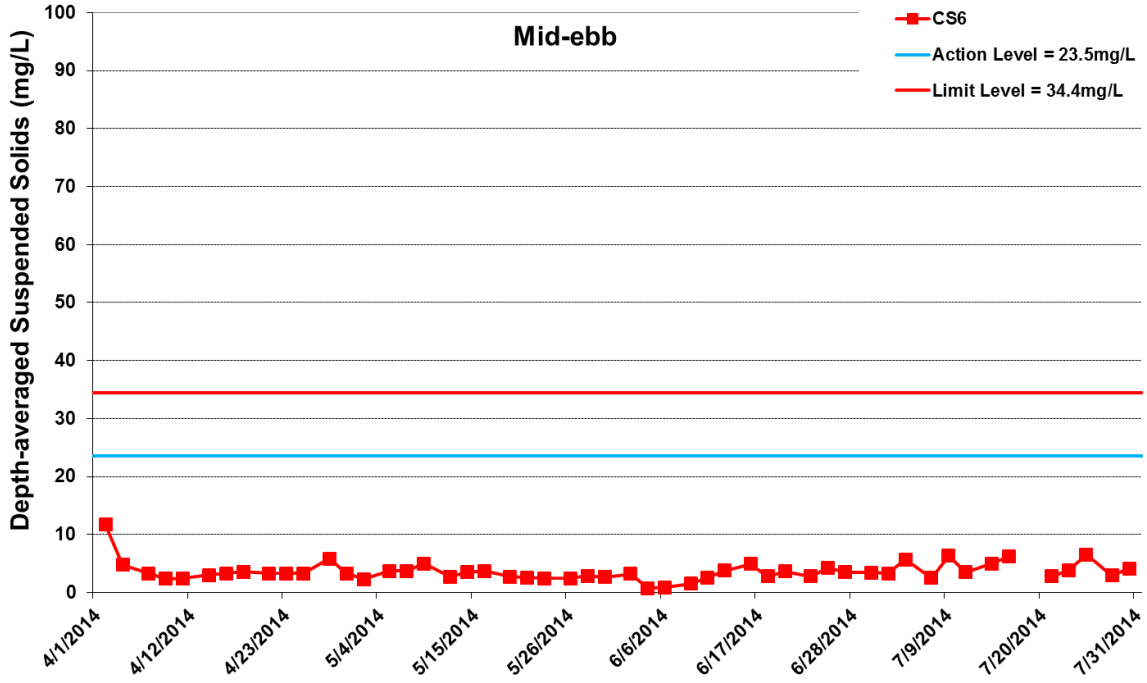


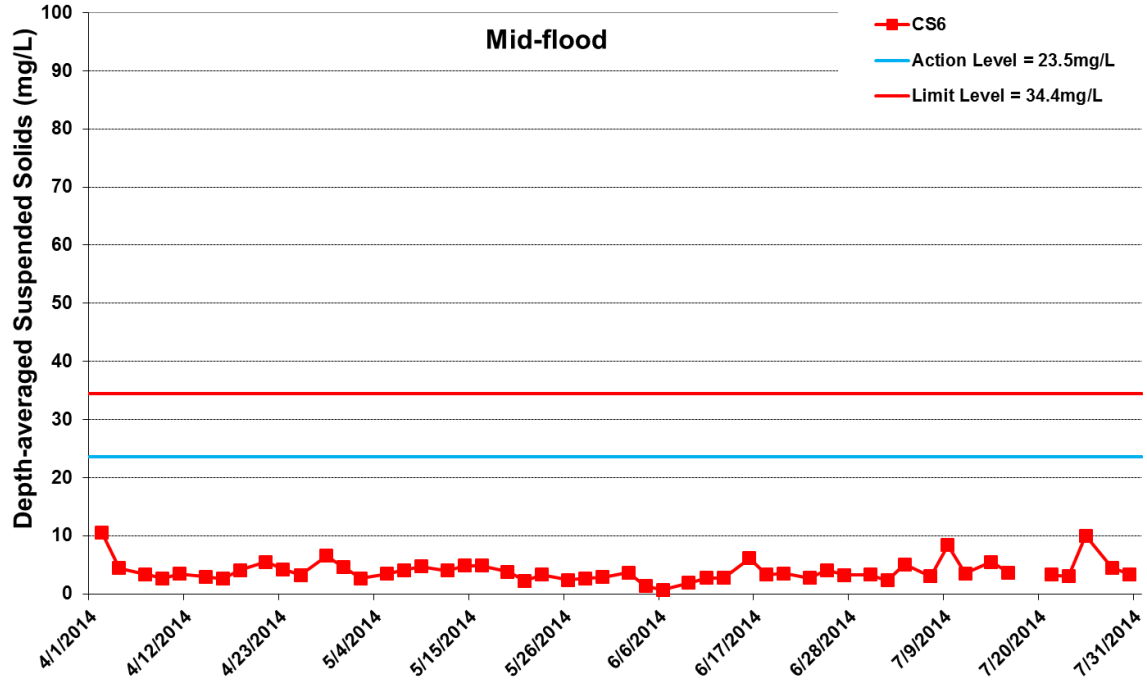
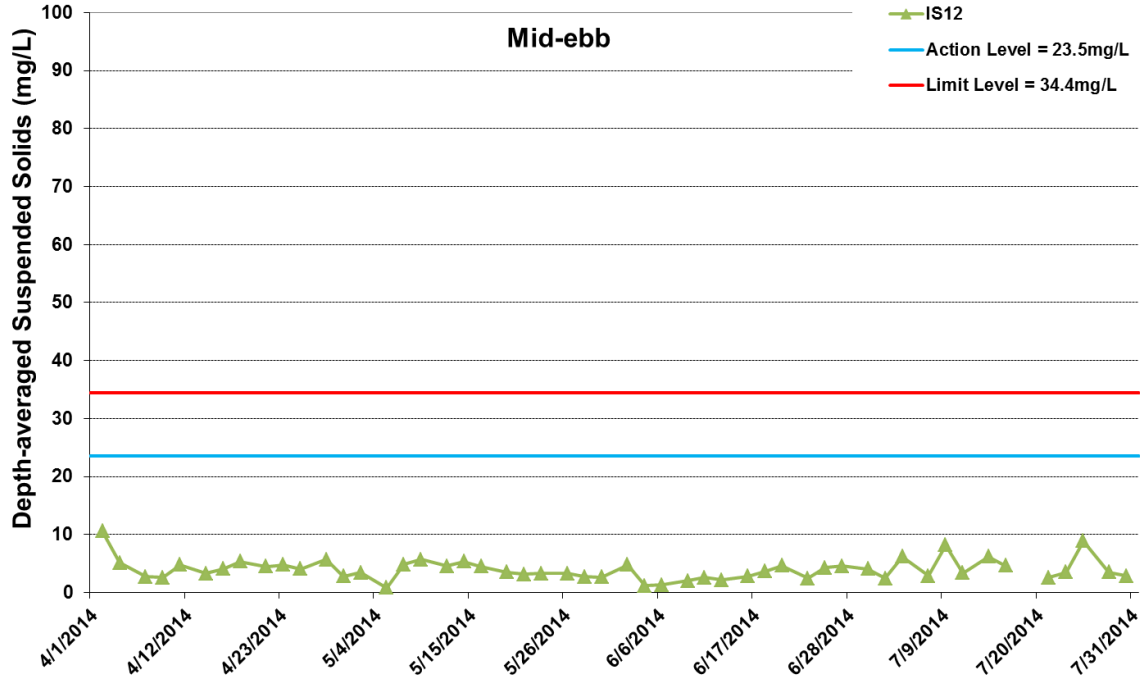


Figure I36 Impact Monitoring – Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 April 2014 and 31 July 2014 at CS6. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls



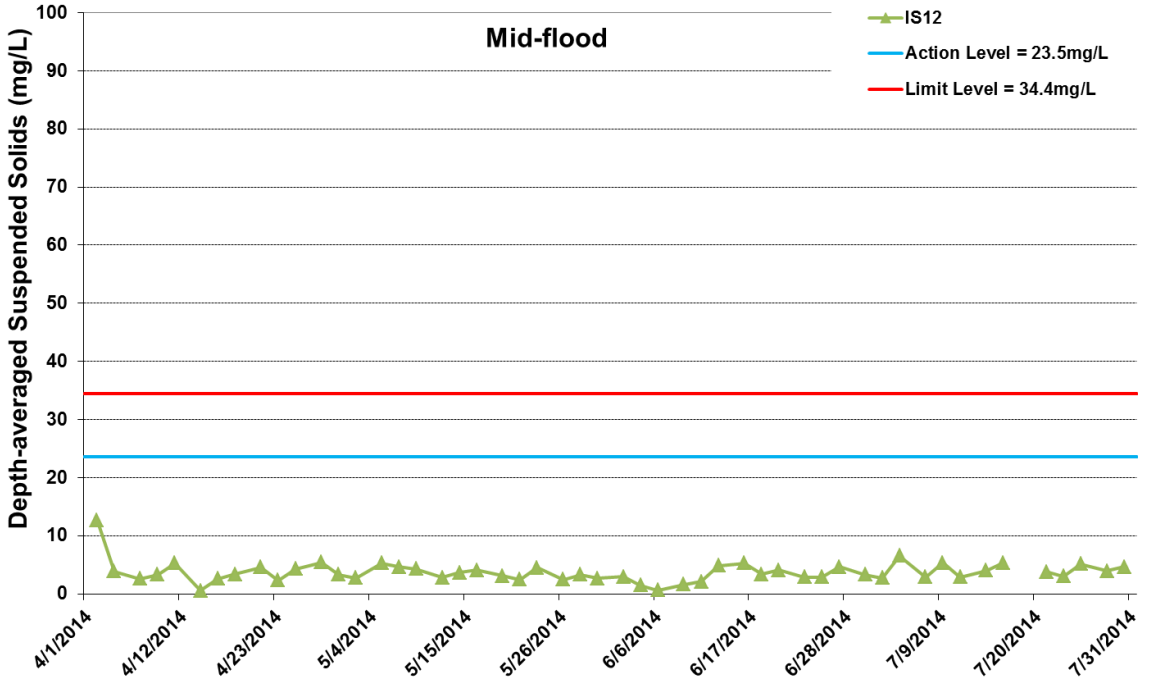
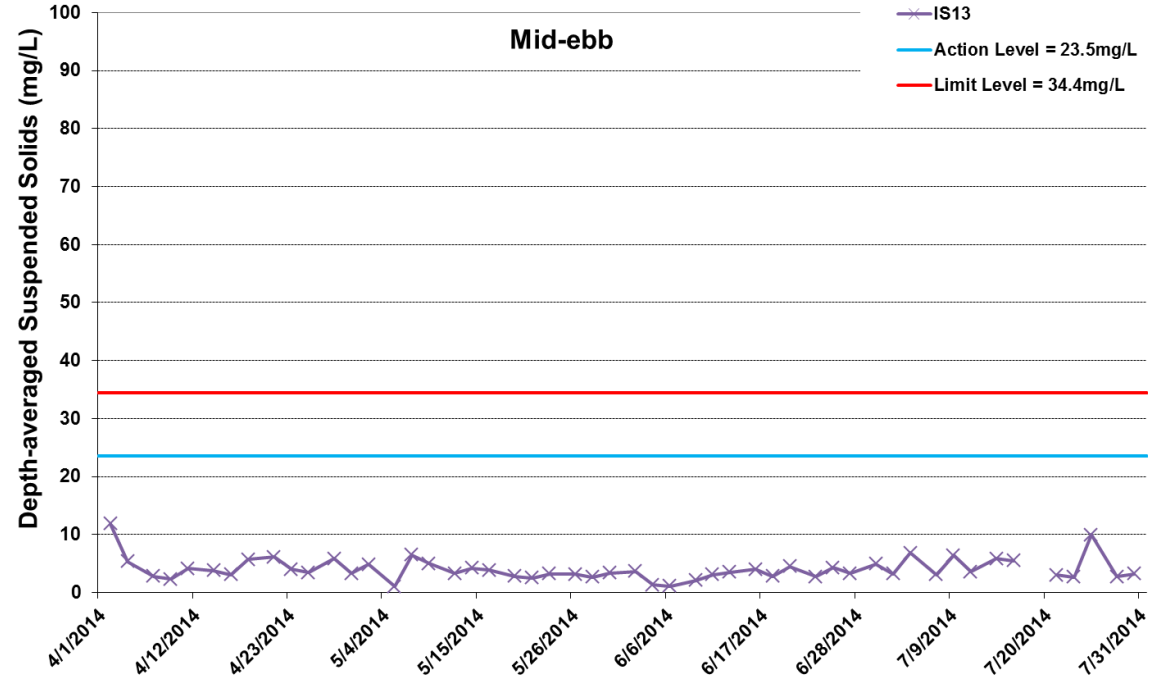


Figure I37 Impact Monitoring – Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 April 2014 and 31 July 2014 at IS12. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls



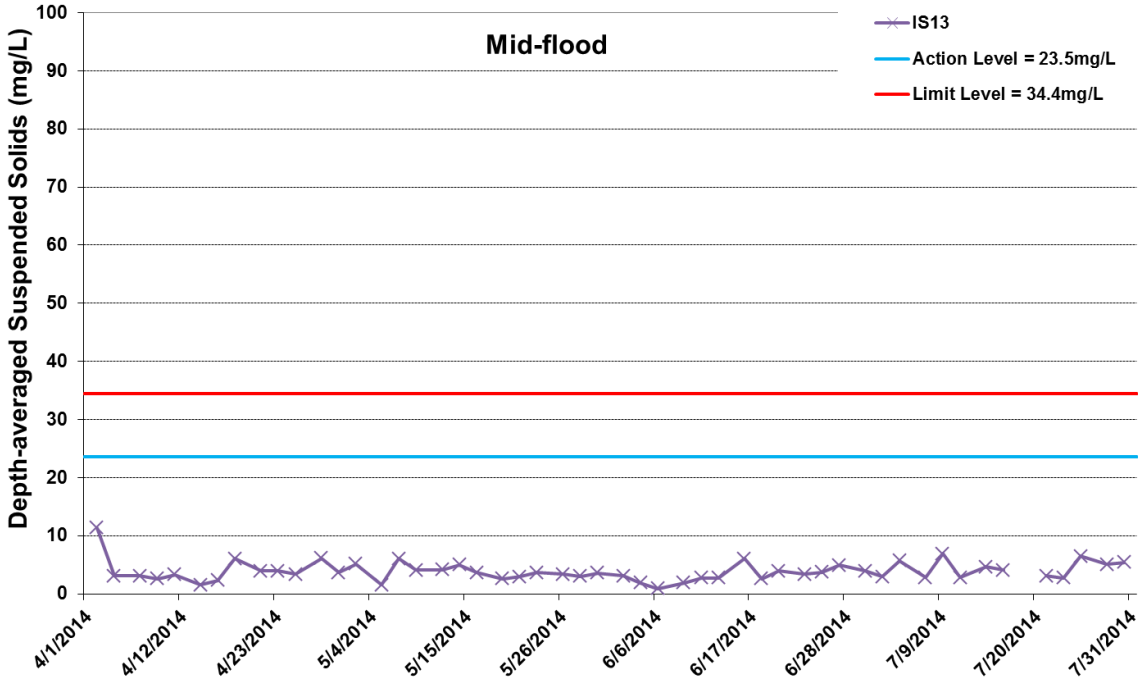
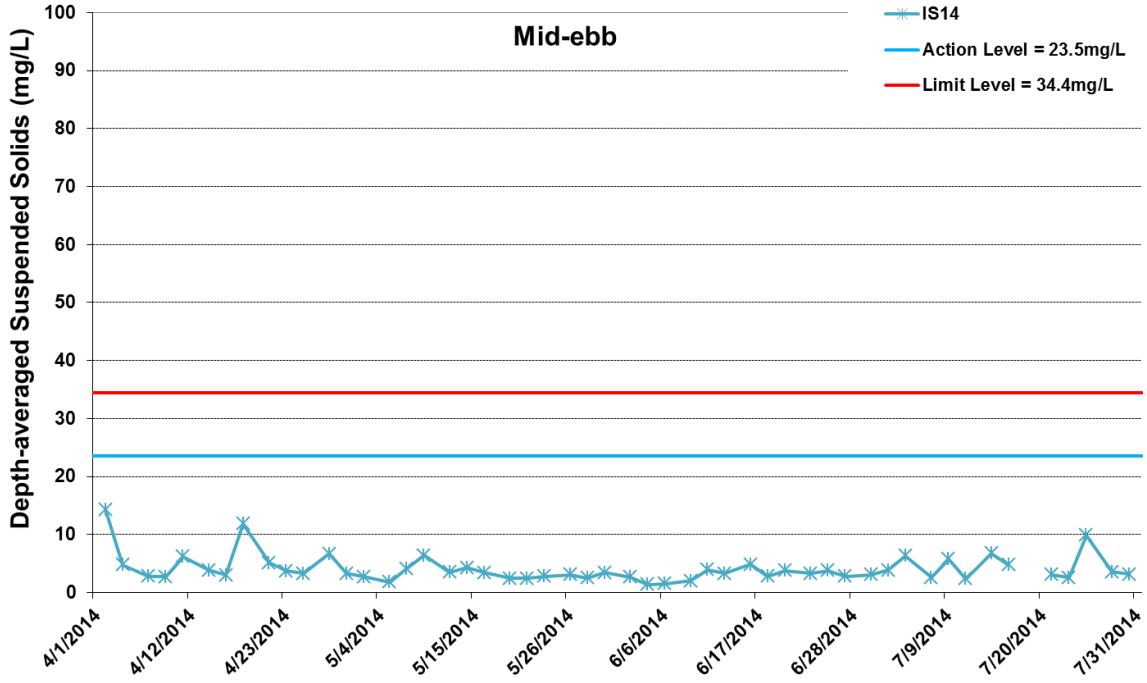


Figure I38 Impact Monitoring – Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 April 2014 and 31 July 2014 at IS13. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls



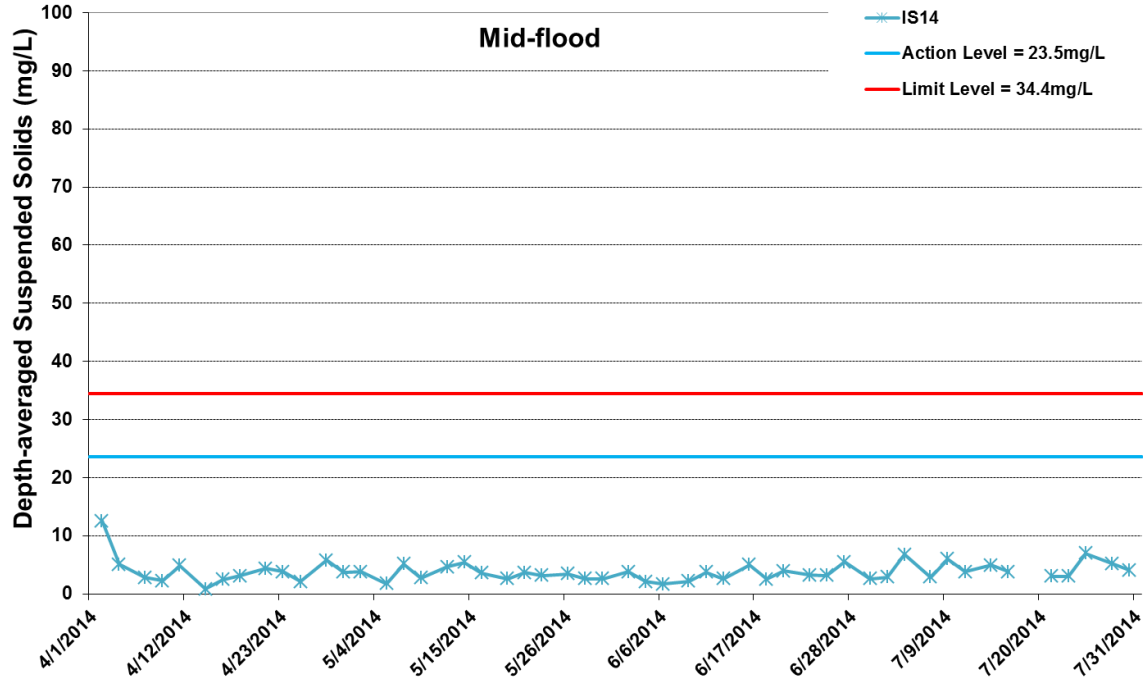
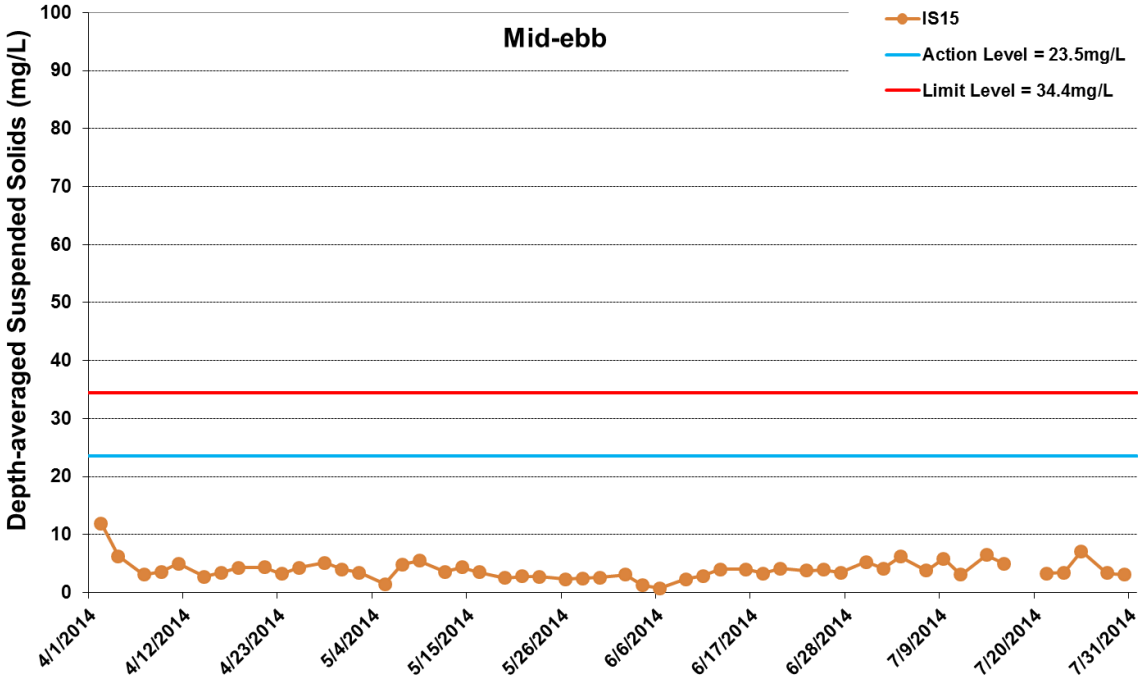


Figure I39 Impact Monitoring – Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 April 2014 and 31 July 2014 at IS14. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls



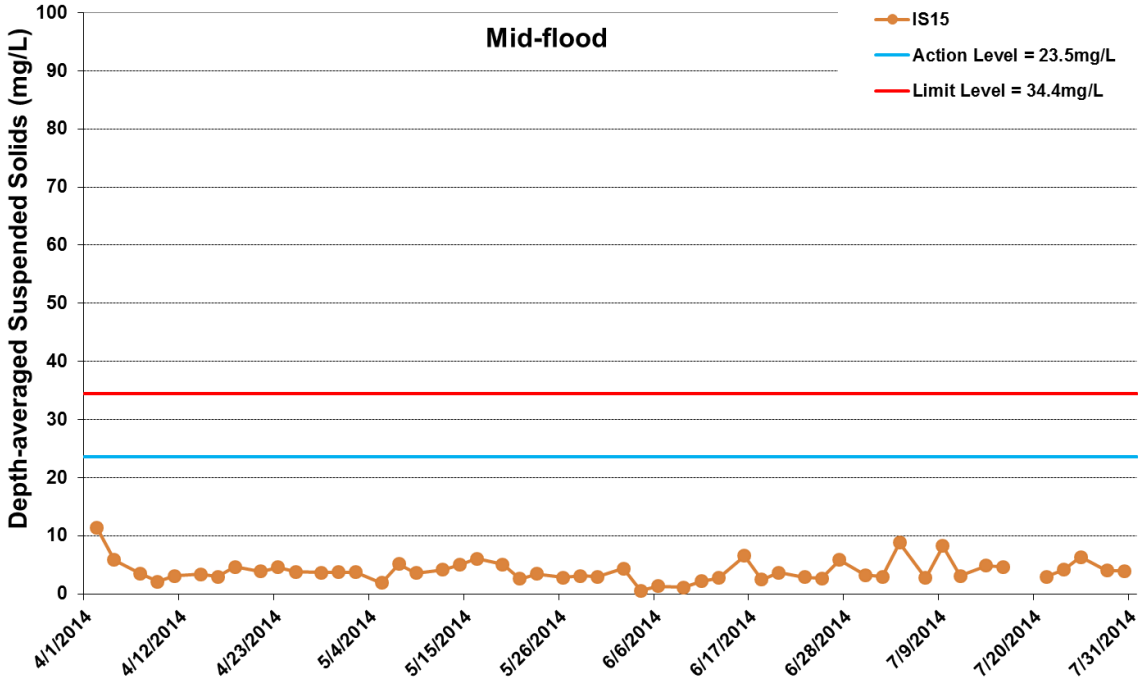
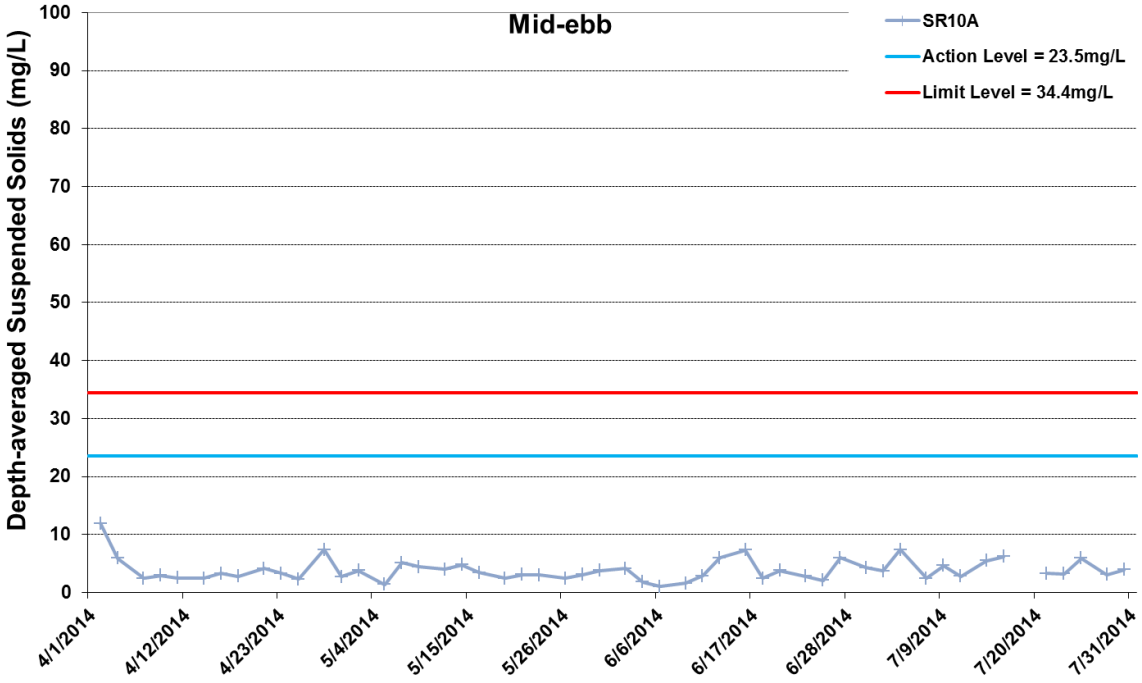


Figure I40 Impact Monitoring – Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 April 2014 and 31 July 2014 at IS15. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls



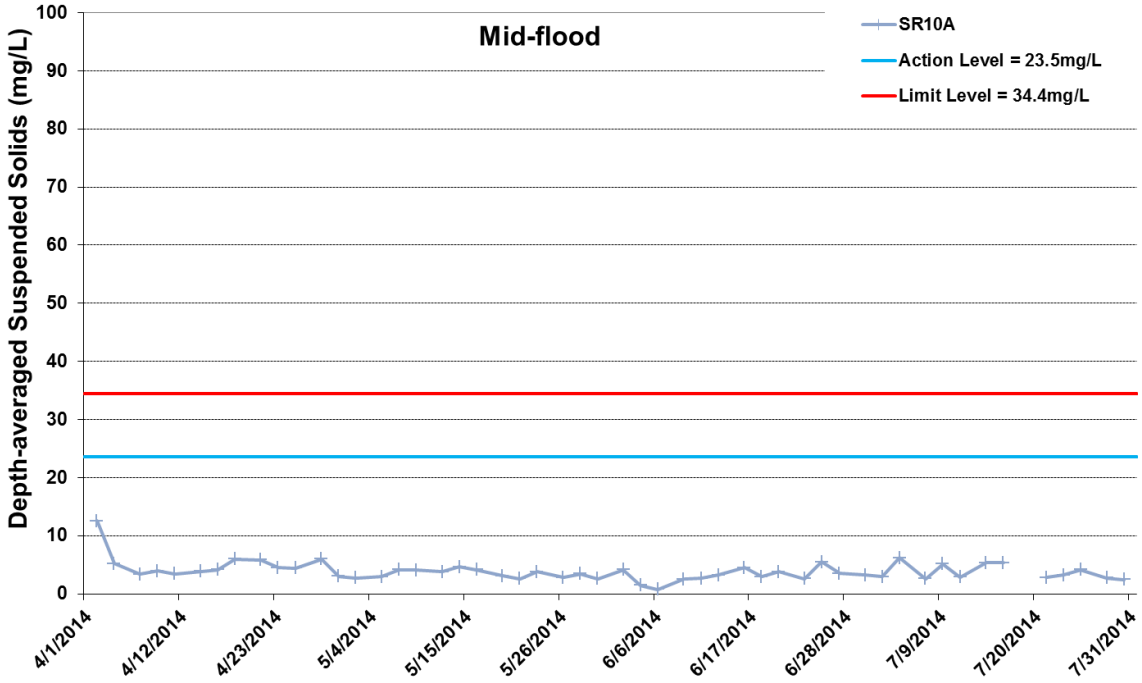
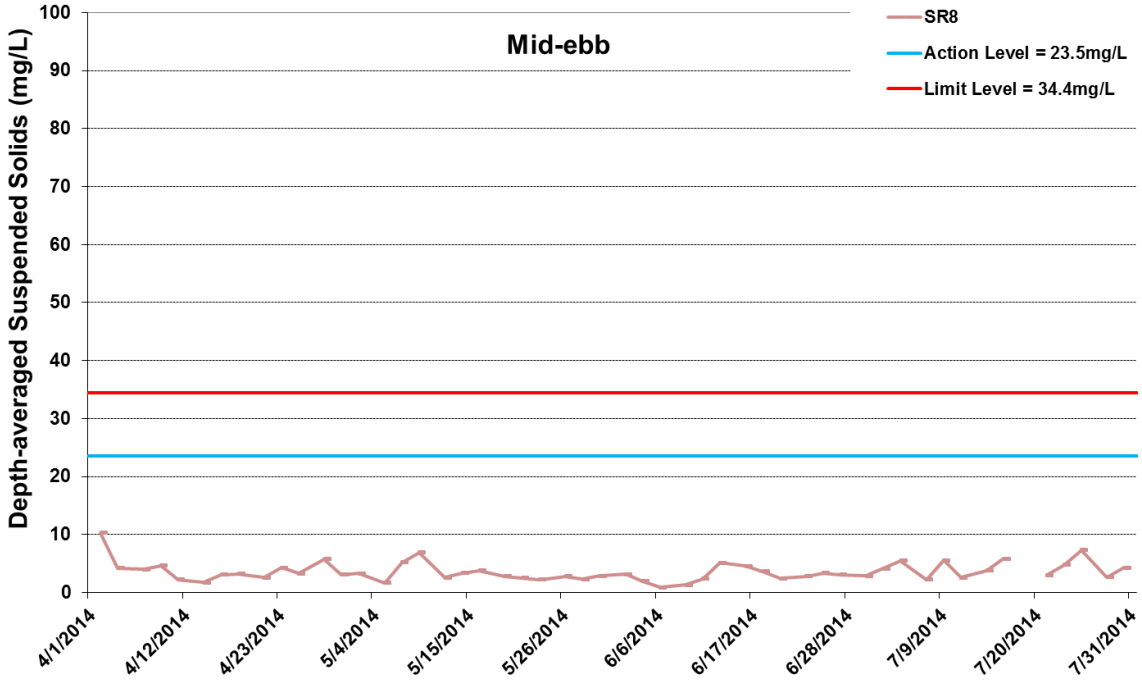


Figure I41 Impact Monitoring – Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 April 2014 and 31 July 2014 at SR10A. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls



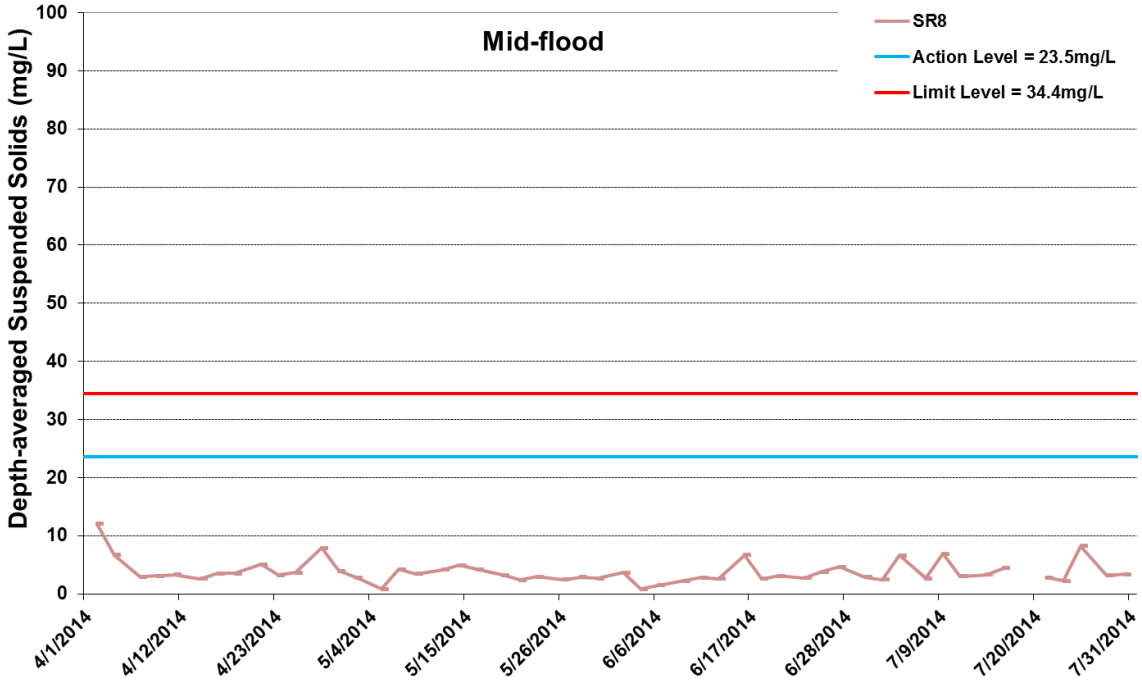
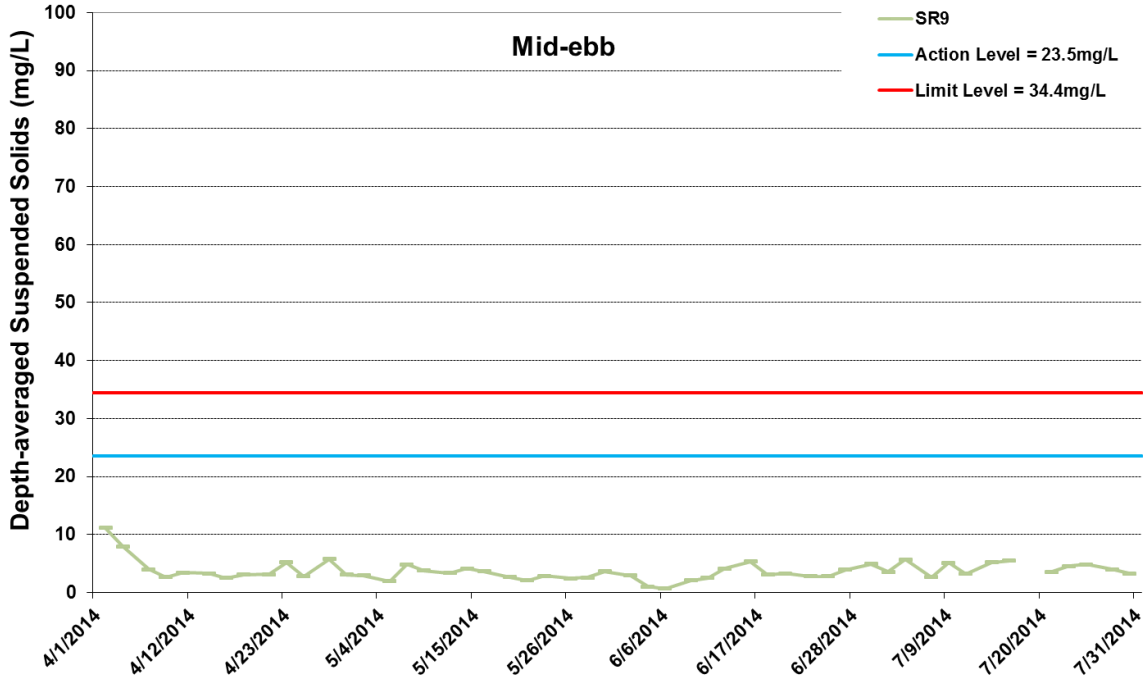


Figure I42 Impact Monitoring – Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 April 2014 and 31 July 2014 at SR8. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls



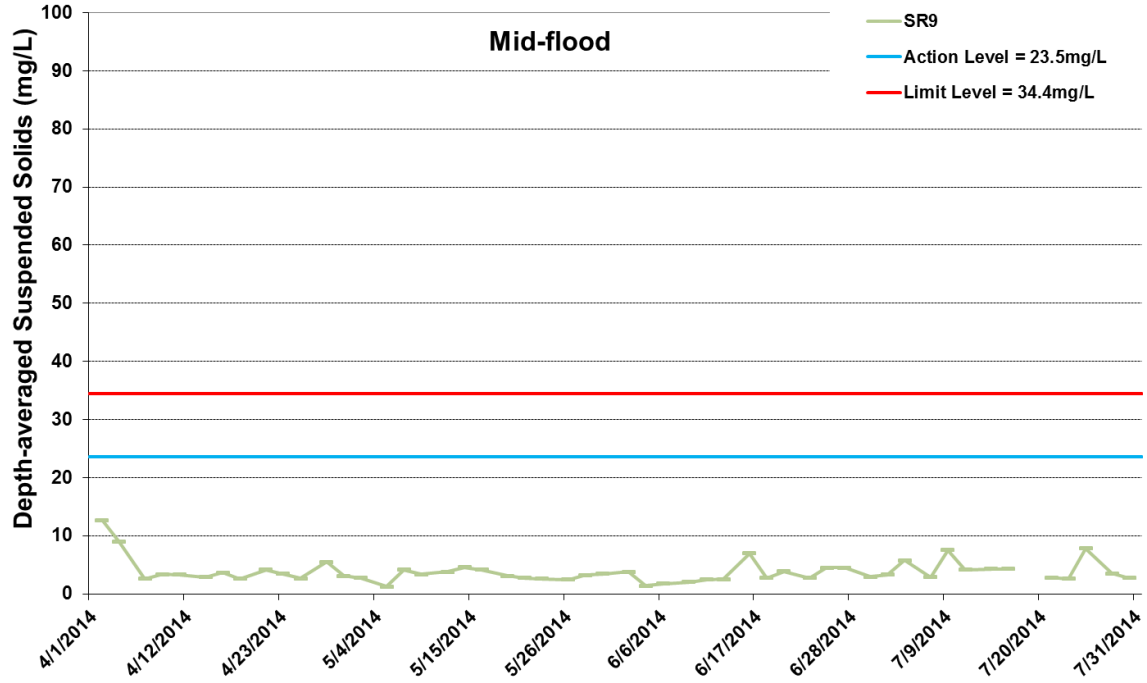


Figure I43 Impact Monitoring – Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 April 2014 and 31 July 2014 at SR9. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (4/1/2014 – 7/31/2014); Construction of Temporary Seawalls (4/1/2013 – 7/31/2014); Sheet Piling (4/1/2014 – 7/31/2014); Filling (4/1/2014 – 7/31/2014). No monitoring was conducted on 18 July 2014 due to adverse weather condition.

Ref: 0212330_Impact-WQM_July2014_graphs_Rev a.xls

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	CS4	Surface	1	1	1	10:38	27.1	7.71	18.2	6.09	3.8	2.8
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	CS4	Surface	1	1	2	10:38	27	7.73	18.3	6.11	3.82	2.3
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	CS4	Middle	11.1	2	1	10:38	26.9	7.77	18.3	5.86	3.99	2.2
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	CS4	Middle	11.1	2	2	10:38	26.8	7.79	18.4	5.88	3.98	2.4
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	21.2	3	1	10:38	26.7	7.85	18.5	5.83	3.87	2.5
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	21.2	3	2	10:38	26.6	7.88	18.6	5.81	3.89	3.2
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	1	07:50	27.1	7.82	18.1	6.12	3.66	3.1
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	2	07:50	27	7.84	18.2	6.14	3.68	2.7
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	CS6	Middle	7.7	2	1	07:50	27	7.68	18.2	6.06	3.75	2.3
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	CS6	Middle	7.7	2	2	07:50	26.9	7.7	18.3	6.04	3.77	2.9
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	CS6	Bottom	14.4	3	1	07:50	26.8	7.64	18.4	5.82	3.38	2.3
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	CS6	Bottom	14.4	3	2	07:50	26.7	7.66	18.5	5.84	3.4	2.3
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	IS12	Surface	1	1	1	09:56	27	7.86	18	6.25	3.56	2.7
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	IS12	Surface	1	1	2	09:56	26.9	7.85	18.1	6.27	3.58	2.4
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	IS12	Middle	7.9	2	1	09:56	26.8	7.78	18.2	6.19	3.72	2.3
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	IS12	Middle	7.9	2	2	09:56	26.7	7.8	18.3	6.21	3.7	3.5
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	14.8	3	1	09:56	26.6	7.71	18.4	6.06	3.85	2.7
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	14.8	3	2	09:56	26.5	7.73	18.3	6.08	3.83	2.8
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	1	09:35	27.1	7.68	18.1	6.45	3.92	3.1
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	2	09:35	27.2	7.7	18	6.47	3.94	2.5
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	IS13	Middle	7.6	2	1	09:35	26.9	7.77	18.2	6.32	3.99	2.5
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	IS13	Middle	7.6	2	2	09:35	27	7.79	18.3	6.34	4.01	2
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	14.2	3	1	09:35	26.8	7.93	18.4	6.17	4.08	2.7
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	14.2	3	2	09:35	26.7	7.95	18.5	6.15	4.1	3.2
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	1	10:17	27.1	7.78	18.1	6.19	3.75	3.7
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	2	10:17	27.1	7.8	18.2	6.2	3.77	3.7
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	IS14	Middle	7.3	2	1	10:17	26.9	7.68	18.3	6.05	3.9	2.7
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	IS14	Middle	7.3	2	2	10:17	26.8	7.7	18.4	6.03	3.88	3
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	13.6	3	1	10:17	26.7	7.93	18.4	5.69	4.05	3
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	13.6	3	2	10:17	26.6	7.91	18.5	5.67	4.07	2.7
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	1	09:14	27.1	7.88	18.2	6.32	3.7	2.6
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	2	09:14	27	7.86	18.3	6.34	3.72	2.6
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	IS15	Middle	7.2	2	1	09:14	26.8	7.74	18.5	6.19	3.78	2.8
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	IS15	Middle	7.2	2	2	09:14	26.9	7.76	18.4	6.21	3.76	2.3
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	13.4	3	1	09:14	26.8	7.7	18.5	5.98	3.92	2.8
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	13.4	3	2	09:14	26.7	7.68	18.6	6	3.9	3.1
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	1	08:32	27.1	7.71	18.2	6.06	3.59	2.9
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	2	08:32	27.2	7.73	18.3	6.04	3.61	2.6
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	1	08:32						
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	2	08:32						
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.2	3	1	08:32	26.9	7.77	18.3	5.91	3.72	2.1
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.2	3	2	08:32	26.8	7.79	18.4	5.93	3.71	2.8
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	1	08:53	27.2	7.8	18.1	6.38	3.61	2.6
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	2	08:53	27.1	7.78	18.2	6.36	3.63	2.7
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	SR9	Middle		2	1	08:53						
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	SR9	Middle		2	2	08:53						
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	SR9	Bottom	4.2	3	1	08:53	26.7	7.86	18.3	6.3	3.69	2.6
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	SR9	Bottom	4.2	3	2	08:53	26.6	7.88	18.4	6.28	3.71	4
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	1	08:11	27	7.88	18.1	6.22	3.63	2.9
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	2	08:11	27.1	7.86	18	6.24	3.61	2.7
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	7.4	2	1	08:11	26.9	7.71	18.2	6.15	3.7	3.3
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	7.4	2	2	08:11	26.8	7.72	18.3	6.17	3.72	2.5
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	13.8	3	1	08:11	26.8	7.88	18.5	6	3.77	2.9
TMCLKL	HY/2012/08	2014-07-02	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	13.8	3	2	08:11	26.7	7.9	18.4	5.98	3.79	2.9
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	CS4	Surface	1	1	1	14:14	27.2	7.76	18.3	6	3.89	4.4
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	CS4	Surface	1	1	2	14:14	27.1	7.78	18.4	6.02	3.91	3.8
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	CS4	Middle	10.9	2	1	14:14	27	7.82	18.5	5.77	4.08	4.1
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	CS4	Middle	10.9	2	2	14:14	26.9	7.84	18.4	5.79	4.07	2.8

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	CS4	Bottom	20.8	3	1	14:14	26.8	7.9	18.6	5.74	3.96	4.3
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	CS4	Bottom	20.8	3	2	14:14	26.7	7.93	18.7	5.72	3.98	4.4
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	CS6	Surface	1	1	1	17:26	27.1	7.87	18.2	6.09	3.75	3.5
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	CS6	Surface	1	1	2	17:26	27.2	7.89	18.3	6.05	3.77	2.5
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	CS6	Middle	7.5	2	1	17:26	27.1	7.73	18.3	5.97	3.84	4.2
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	CS6	Middle	7.5	2	2	17:26	27	7.75	18.4	5.95	3.86	3.5
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	CS6	Bottom	14	3	1	17:26	26.9	7.69	18.5	5.73	3.47	3.4
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	CS6	Bottom	14	3	2	17:26	27	7.71	18.6	5.75	3.49	3.2
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	IS12	Surface	1	1	1	15:02	27.1	7.91	18.1	6.16	3.65	2.8
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	IS12	Surface	1	1	2	15:02	27	7.9	18.2	6.18	3.67	3.1
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	IS12	Middle	7.7	2	1	15:02	26.8	7.83	18.3	6.1	3.81	2.6
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	IS12	Middle	7.7	2	2	15:02	26.9	7.85	18.4	6.12	3.79	3.5
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	IS12	Bottom	14.4	3	1	15:02	26.7	7.76	18.5	5.97	3.94	2.9
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	IS12	Bottom	14.4	3	2	15:02	26.6	7.78	18.4	5.99	3.92	2
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	IS13	Surface	1	1	1	15:26	27.3	7.73	18.1	6.36	3.83	2.6
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	IS13	Surface	1	1	2	15:26	27.2	7.75	18.2	6.38	3.85	2.6
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	IS13	Middle	7.3	2	1	15:26	27.1	7.82	18.3	6.23	3.9	2.1
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	IS13	Middle	7.3	2	2	15:26	27	7.84	18.4	6.25	3.92	3
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	13.6	3	1	15:26	26.9	7.98	18.5	6.08	3.99	2.9
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	13.6	3	2	15:26	26.8	8	18.6	6.06	4.01	3.5
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	IS14	Surface	1	1	1	14:38	27.2	7.83	18.2	6.1	3.84	3.8
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	IS14	Surface	1	1	2	14:38	27.1	7.85	18.3	6.11	3.86	2.1
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	IS14	Middle	7.1	2	1	14:38	27	7.73	18.4	5.96	3.99	3.9
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	IS14	Middle	7.1	2	2	14:38	26.9	7.75	18.5	5.94	3.97	3.1
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	IS14	Bottom	13.2	3	1	14:38	26.8	7.98	18.6	5.6	4.14	3.7
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	IS14	Bottom	13.2	3	2	14:38	26.7	7.96	18.5	5.58	4.16	4
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	IS15	Surface	1	1	1	15:50	27.1	7.93	18.3	6.23	3.79	4.1
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	IS15	Surface	1	1	2	15:50	27.2	7.91	18.4	6.25	3.81	3.6
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	IS15	Middle	6.9	2	1	15:50	27	7.79	18.6	6.1	3.87	3.1
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	IS15	Middle	6.9	2	2	15:50	26.9	7.81	18.5	6.12	3.85	2.8
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	IS15	Bottom	12.8	3	1	15:50	26.9	7.75	18.6	5.89	4.01	3.4
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	IS15	Bottom	12.8	3	2	15:50	26.8	7.73	18.7	5.91	3.99	4.9
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	SR8	Surface	1	1	1	16:38	27.3	7.76	18.3	5.97	3.68	4
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	SR8	Surface	1	1	2	16:38	27.2	7.78	18.4	5.95	3.7	4.4
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	SR8	Middle		2	1	16:38						
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	SR8	Middle		2	2	16:38						
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	SR8	Bottom	3.8	3	1	16:38	26.9	7.82	18.5	5.82	3.81	3.8
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	SR8	Bottom	3.8	3	2	16:38	27	7.84	18.4	5.84	3.8	4.5
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	SR9	Surface	1	1	1	16:14	27.3	7.85	18.3	6.29	3.7	3.1
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	SR9	Surface	1	1	2	16:14	27.2	7.83	18.2	6.27	3.72	3.8
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	SR9	Middle		2	1	16:14						
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	SR9	Middle		2	2	16:14						
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	SR9	Bottom	4	3	1	16:14	26.8	7.91	18.4	6.21	3.78	3.9
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	SR9	Bottom	4	3	2	16:14	26.7	7.93	18.5	6.19	3.8	3.2
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	SR10A	Surface	1	1	1	17:02	27.2	7.93	18.1	6.13	3.72	3.7
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	SR10A	Surface	1	1	2	17:02	27.1	7.91	18.2	6.15	3.7	3.4
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	7.2	2	1	17:02	27	7.76	18.3	6.06	3.79	4
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	7.2	2	2	17:02	26.9	7.77	18.4	6.08	3.81	2.7
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	SR10A	Bottom	13.4	3	1	17:02	26.8	7.93	18.6	5.91	3.86	2.9
TMCLKL	HY/2012/08	2014-07-02	Mid-Ebb	Cloudy	Small Wave	SR10A	Bottom	13.4	3	2	17:02	26.9	7.95	18.5	5.89	3.88	4.5
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	CS4	Surface	1	1	1	12:00	27.4	7.81	18.5	6.17	4.94	4.2
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	CS4	Surface	1	1	2	12:00	27.4	7.82	18.5	6.14	4.9	5.3
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	CS4	Middle	11.4	2	1	12:00	27	7.84	18.6	5.97	4.21	4.5
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	CS4	Middle	11.4	2	2	12:00	27.1	7.83	18.5	5.99	4.26	5.2
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	CS4	Bottom	21.8	3	1	12:00	26.9	7.82	18.8	5.82	4.69	6.8
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	CS4	Bottom	21.8	3	2	12:00	27	7.82	18.8	5.86	4.61	7.3
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	CS6	Surface	1	1	1	08:50	27.2	7.78	18.3	6.24	4.84	4.7
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	CS6	Surface	1	1	2	08:50	27.1	7.79	18.4	6.2	4.8	3.7

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	CS6	Middle	7.7	2	1	08:50	27.1	7.74	18.5	5.92	4.97	4.2
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	CS6	Middle	7.7	2	2	08:50	27.2	7.75	18.4	5.88	4.91	4
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	CS6	Bottom	14.4	3	1	08:50	27	7.8	18.6	5.87	4.66	5.1
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	CS6	Bottom	14.4	3	2	08:50	26.9	7.81	18.7	5.9	4.62	5
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	IS12	Surface	1	1	1	11:00	27.3	7.8	18.4	6.08	4.86	6.2
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	IS12	Surface	1	1	2	11:00	27.3	7.8	18.4	6.04	4.81	6.3
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	IS12	Middle	8.1	2	1	11:00	27.1	7.82	18.6	5.88	4.62	6
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	IS12	Middle	8.1	2	2	11:00	27.2	7.81	18.6	5.92	4.65	6.7
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	IS12	Bottom	15.2	3	1	11:00	27	7.82	18.7	5.8	4.7	6
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	IS12	Bottom	15.2	3	2	11:00	27	7.83	18.8	5.84	4.74	7
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	IS13	Surface	1	1	1	10:40	27.3	7.81	18.4	6.18	4.62	4.9
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	IS13	Surface	1	1	2	10:40	27.2	7.8	18.4	6.14	4.65	5.3
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	IS13	Middle	7.4	2	1	10:40	27.1	7.82	18.5	5.77	4.94	5
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	IS13	Middle	7.4	2	2	10:40	27.1	7.82	18.4	5.73	4.9	5.3
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	IS13	Bottom	13.8	3	1	10:40	26.9	7.83	18.7	5.7	4.75	5.8
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	IS13	Bottom	13.8	3	2	10:40	27	7.83	18.7	5.73	4.7	5.5
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	IS14	Surface	1	1	1	11:30	27.4	7.81	18.4	6.11	4.78	6.5
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	IS14	Surface	1	1	2	11:30	27.3	7.81	18.4	6.09	4.75	7.2
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	IS14	Middle	7.4	2	1	11:30	27.1	7.82	18.6	6.01	4.97	7.2
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	IS14	Middle	7.4	2	2	11:30	27.2	7.81	18.6	5.97	4.95	7.2
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	IS14	Bottom	13.8	3	1	11:30	26.9	7.79	18.8	5.94	4.65	6.9
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	IS14	Bottom	13.8	3	2	11:30	26.8	7.79	18.7	5.9	4.69	6.6
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	IS15	Surface	1	1	1	10:21	27.3	7.8	18.4	6.09	4.89	5.4
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	IS15	Surface	1	1	2	10:21	27.2	7.8	18.3	6.13	4.86	6
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	IS15	Middle	7.1	2	1	10:21	27.2	7.81	18.6	5.87	4.65	6
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	IS15	Middle	7.1	2	2	10:21	27.2	7.82	18.5	5.84	4.61	5.8
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	IS15	Bottom	13.2	3	1	10:21	27	7.82	18.7	5.95	4.71	8.8
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	IS15	Bottom	13.2	3	2	10:21	27.1	7.83	18.7	5.9	4.77	8.8
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	SR8	Surface	1	1	1	09:51	27.3	7.8	18.4	6.21	4.21	5.4
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	SR8	Surface	1	1	2	09:51	27.3	7.8	18.4	6.25	4.25	4.8
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	SR8	Middle		2	1	09:51						
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	SR8	Middle		2	2	09:51						
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	SR8	Bottom	4.6	3	1	09:51	27.1	7.82	18.5	5.99	4.65	7
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	SR8	Bottom	4.6	3	2	09:51	27	7.81	18.6	5.96	4.7	6.2
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	SR9	Surface	1	1	1	10:06	27.3	7.82	18.4	6.14	4.12	6.2
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	SR9	Surface	1	1	2	10:06	27.3	7.81	18.4	6.1	4.08	6.4
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	SR9	Middle		2	1	10:06						
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	SR9	Middle		2	2	10:06						
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	SR9	Bottom	4.6	3	1	10:06	27.1	7.83	18.6	5.92	4.47	5.5
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	SR9	Bottom	4.6	3	2	10:06	27	7.84	18.5	5.88	4.41	6
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	SR10A	Surface	1	1	1	09:21	27.2	7.79	18.4	6.3	4.72	4.7
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	SR10A	Surface	1	1	2	09:21	27.3	7.79	18.4	6.26	4.76	5.1
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	SR10A	Middle	7.1	2	1	09:21	27.1	7.8	18.5	6.03	4.98	5.3
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	SR10A	Middle	7.1	2	2	09:21	27.1	7.81	18.5	6.06	4.95	5.4
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	SR10A	Bottom	14.2	3	1	09:21	27	7.81	18.7	5.94	4.69	5.7
TMCLKL	HY/2012/08	2014-07-04	Mid-Flood	Fine	Small Wave	SR10A	Bottom	14.2	3	2	09:21	27	7.82	18.7	5.9	4.62	6.7
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	CS4	Surface	1	1	1	15:24	27.4	7.76	18.5	6.24	4.75	5
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	CS4	Surface	1	1	2	15:24	27.4	7.75	18.5	6.2	4.71	4
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	CS4	Middle	11.1	2	1	15:24	27.1	7.75	18.7	5.94	4.87	5.6
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	CS4	Middle	11.1	2	2	15:24	27.2	7.75	18.7	5.9	4.84	5.8
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	CS4	Bottom	21.2	3	1	15:24	27	7.79	18.7	5.87	4.52	6.3
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	CS4	Bottom	21.2	3	2	15:24	27	7.78	18.7	5.9	4.55	6.2
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	CS6	Surface	1	1	1	17:42	27.4	7.82	18.5	6.22	4.69	5.2
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	CS6	Surface	1	1	2	17:42	27.4	7.82	18.5	6.18	4.65	5
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	CS6	Middle	7.1	2	1	17:42	27.2	7.83	18.7	6.01	4.21	4.8
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	CS6	Middle	7.1	2	2	17:42	27.2	7.83	18.6	5.97	4.26	5.4
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	CS6	Bottom	14.2	3	1	17:42	27	7.8	18.7	5.9	4.79	5.4
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	CS6	Bottom	14.2	3	2	17:42	27	7.81	18.7	5.96	4.83	5.9

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	IS12	Surface	1	1	1	16:12	27.3	7.78	18.4	6.21	4.66	5.8
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	IS12	Surface	1	1	2	16:12	27.3	7.78	18.4	6.18	4.63	5.5
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	IS12	Middle	7.3	2	1	16:12	27.1	7.8	18.5	5.92	4.97	5.7
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	IS12	Middle	7.3	2	2	16:12	27	7.8	18.5	5.89	4.92	5.9
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	IS12	Bottom	14.6	3	1	16:12	27	7.81	18.6	5.88	4.75	6.2
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	IS12	Bottom	14.6	3	2	16:12	27.1	7.81	18.5	5.84	4.72	6.2
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	IS13	Surface	1	1	1	16:29	27.4	7.8	18.5	6.2	4.63	4.9
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	IS13	Surface	1	1	2	16:29	27.5	7.81	18.5	6.24	4.69	5.1
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	IS13	Middle	7.1	2	1	16:29	27.2	7.82	18.7	6.07	4.94	6.7
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	IS13	Middle	7.1	2	2	16:29	27.2	7.82	18.7	6.04	4.88	6.6
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	IS13	Bottom	13.2	3	1	16:29	27.1	7.81	18.7	5.98	4.99	7
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	IS13	Bottom	13.2	3	2	16:29	27	7.82	18.7	5.94	4.95	6.6
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	IS14	Surface	1	1	1	15:50	27.4	7.77	18.5	6.19	4.98	5.1
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	IS14	Surface	1	1	2	15:50	27.3	7.76	18.5	6.15	4.92	5.9
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	IS14	Middle	7.1	2	1	15:50	27.2	7.79	18.6	6.01	4.72	5.8
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	IS14	Middle	7.1	2	2	15:50	27.2	7.78	18.5	5.98	4.68	6.1
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	IS14	Bottom	13.7	3	1	15:50	27.1	7.8	18.7	5.9	4.69	6.2
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	IS14	Bottom	13.7	3	2	15:50	27.1	7.8	18.7	5.94	4.65	6.5
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	IS15	Surface	1	1	1	16:48	27.4	7.79	18.5	6.25	4.27	5
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	IS15	Surface	1	1	2	16:48	27.4	7.8	18.4	6.29	4.33	4.8
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	IS15	Middle	6.8	2	1	16:48	27.2	7.81	18.6	5.98	4.87	5.3
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	IS15	Middle	6.8	2	2	16:48	27.1	7.81	18.6	5.95	4.93	6.4
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	IS15	Bottom	12.6	3	1	16:48	27.1	7.82	18.7	5.94	4.86	6.4
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	IS15	Bottom	12.6	3	2	16:48	27.1	7.82	18.7	5.97	4.9	6
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	SR8	Surface	1	1	1	17:22	27.4	7.82	18.5	6.18	4.94	3.8
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	SR8	Surface	1	1	2	17:22	27.3	7.82	18.4	6.14	4.9	4.3
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	SR8	Middle		2	1	17:22						
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	SR8	Middle		2	2	17:22						
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	SR8	Bottom	4.2	3	1	17:22	27.1	7.81	18.6	5.87	4.98	5.4
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	SR8	Bottom	4.2	3	2	17:22	27.1	7.82	18.5	5.9	4.94	5.6
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	SR9	Surface	1	1	1	17:06	27.4	7.78	18.5	6.32	4.75	5.2
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	SR9	Surface	1	1	2	17:06	27.4	7.79	18.5	6.36	4.71	4.7
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	SR9	Middle		2	1	17:06						
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	SR9	Middle		2	2	17:06						
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	SR9	Bottom	4.2	3	1	17:06	27.1	7.8	18.7	6.02	4.98	5.8
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	SR9	Bottom	4.2	3	2	17:06	27	7.81	18.8	6.05	4.92	5.5
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	SR10A	Surface	1	1	1	18:20	27.3	7.81	18.5	6.27	4.87	5.8
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	SR10A	Surface	1	1	2	18:20	27.3	7.82	18.5	6.24	4.9	5.1
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	SR10A	Middle	7.3	2	1	18:20	27	7.79	18.6	5.94	4.65	6.1
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	SR10A	Middle	7.3	2	2	18:20	27	7.79	18.5	5.9	4.61	7.2
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	SR10A	Bottom	13.6	3	1	18:20	26.9	7.81	18.7	5.98	4.85	7.2
TMCLKL	HY/2012/08	2014-07-04	Mid-Ebb	Fine	Small Wave	SR10A	Bottom	13.6	3	2	18:20	27	7.81	18.7	5.95	4.8	7.5
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	CS4	Surface	1	1	1	16:20	30	7.81	18.5	6.99	4.56	2.2
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	CS4	Surface	1	1	2	16:20	29.9	7.84	18.4	7.03	4.53	3.1
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	CS4	Middle	11.2	2	1	16:20	30.1	7.9	18.8	6.91	4.66	2.1
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	CS4	Middle	11.2	2	2	16:20	30	7.87	18.9	6.9	4.69	2.5
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	21.4	3	1	16:20	30.2	7.95	19.1	6.78	4.84	2.1
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	21.4	3	2	16:20	30.3	7.96	19.2	6.77	4.81	2.8
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	1	13:08	30.1	7.85	18.6	7.1	4.53	2.5
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	2	13:08	30.2	7.86	18.7	7.15	4.56	2.7
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	CS6	Middle	7.7	2	1	13:08	30.3	7.91	19	7.07	4.33	3.9
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	CS6	Middle	7.7	2	2	13:08	30.4	7.9	19.2	7.01	4.29	2
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	CS6	Bottom	14.4	3	1	13:08	30.4	7.95	19.3	6.94	4.83	3.7
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	CS6	Bottom	14.4	3	2	13:08	30.5	7.91	19.2	6.89	4.79	2.3
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	IS12	Surface	1	1	1	15:32	30	7.79	18.6	7.19	4.22	3.2
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	IS12	Surface	1	1	2	15:32	29.9	7.76	18.7	7.16	4.18	3.5
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	IS12	Middle	7.9	2	1	15:32	30.2	7.82	19.1	7.08	4.33	2.8
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	IS12	Middle	7.9	2	2	15:32	30.1	7.84	19.2	7.1	4.36	3.5

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	14.8	3	1	15:32	30.2	7.89	19.4	7.03	4.7	3
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	14.8	3	2	15:32	30.3	7.86	19.3	7.01	4.62	2.7
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	1	15:08	30.2	7.75	18.5	7.18	4.13	3.8
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	2	15:08	30.1	7.74	18.6	7.15	4.11	3.3
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	IS13	Middle	7.3	2	1	15:08	30.2	7.19	18.9	7.08	4.2	2.6
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	IS13	Middle	7.3	2	2	15:08	30.1	7.18	19	7.09	4.25	2.9
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	13.6	3	1	15:08	30.3	7.86	19.1	6.97	4.43	2.6
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	13.6	3	2	15:08	30.2	7.85	19.2	6.94	4.4	3
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	1	15:56	30	7.75	18.4	7.11	4.35	3.3
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	2	15:56	30.1	7.78	18.5	7.1	4.38	3.9
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	IS14	Middle	7.3	2	1	15:56	30.3	7.84	18.8	6.99	4.48	3.1
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	IS14	Middle	7.3	2	2	15:56	30.2	7.86	18.9	6.96	4.44	2.9
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	13.6	3	1	15:56	30.3	7.9	19.1	6.89	4.55	3.6
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	13.6	3	2	15:56	30.4	7.87	19	6.94	4.59	2.1
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	1	14:44	30	7.81	18.5	7.08	4.24	3.9
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	2	14:44	29.9	7.8	18.6	7.03	4.27	2.2
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	IS15	Middle	6.9	2	1	14:44	30.1	7.88	18.9	6.93	4.33	3.6
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	IS15	Middle	6.9	2	2	14:44	30.2	7.86	19	6.9	4.38	2.7
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	12.8	3	1	14:44	30.3	7.91	19.1	6.83	4.67	3.2
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	12.8	3	2	14:44	30.2	7.95	19.2	6.79	4.64	2.3
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	1	13:56	30	7.81	18.4	7.11	4.56	3.9
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	2	13:56	29.9	7.84	18.5	7.08	4.62	2.6
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	1	13:56						
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	2	13:56						
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.6	3	1	13:56	30.1	7.88	18.9	7.01	4.83	2.4
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.6	3	2	13:56	30.2	7.92	18.8	6.96	4.79	2.9
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	1	14:20	30.1	7.79	18.4	7.08	4.53	3.4
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	2	14:20	30	7.8	18.7	7.07	4.56	3
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	SR9	Middle		2	1	14:20						
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	SR9	Middle		2	2	14:20						
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	SR9	Bottom	4.2	3	1	14:20	30.1	7.82	19	6.99	4.74	2.2
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	SR9	Bottom	4.2	3	2	14:20	30.2	7.84	19.1	6.95	4.78	3.5
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	1	13:32	30	7.78	18.6	7.18	4.42	2.6
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	2	13:32	30.1	7.75	18.4	7.15	4.38	2.6
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	7.4	2	1	13:32	30.1	7.81	18.8	7.11	4.52	2.8
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	7.4	2	2	13:32	30.2	7.77	18.9	7.07	4.54	3.1
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	13.8	3	1	13:32	30.4	7.85	19	7	4.65	2.6
TMCLKL	HY/2012/08	2014-07-07	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	13.8	3	2	13:32	30.3	7.88	19.1	7.04	4.68	2.6
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	CS4	Surface	1	1	1	07:50	29.9	7.75	18.4	6.93	4.65	3.2
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	CS4	Surface	1	1	2	07:50	29.9	7.78	18.3	6.97	4.62	2.3
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	CS4	Middle	11.1	2	1	07:50	30	7.84	18.8	6.85	4.75	2.3
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	CS4	Middle	11.1	2	2	07:50	30.1	7.81	18.7	6.84	4.78	2.6
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	CS4	Bottom	21.1	3	1	07:50	30.1	7.89	19	6.72	4.93	3.3
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	CS4	Bottom	21.1	3	2	07:50	30.2	7.9	19.1	6.71	4.9	3.8
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	CS6	Surface	1	1	1	10:05	30.1	7.79	18.7	7.04	4.62	2.8
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	CS6	Surface	1	1	2	10:05	30	7.8	18.4	7.09	4.65	2.5
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	CS6	Middle	7.6	2	1	10:05	30.2	7.85	18.9	7.01	4.42	2.8
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	CS6	Middle	7.6	2	2	10:05	30.3	7.84	19.1	6.95	4.38	2.4
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	CS6	Bottom	14.1	3	1	10:05	30.4	7.89	19.3	6.88	4.92	2.2
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	CS6	Bottom	14.1	3	2	10:05	30.3	7.85	19	6.83	4.88	2.8
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	IS12	Surface	1	1	1	08:20	29.9	7.73	18.4	7.13	4.31	2.6
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	IS12	Surface	1	1	2	08:20	29.9	7.7	18.7	7.1	4.27	3.2
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	IS12	Middle	7.8	2	1	08:20	30.1	7.76	19	7.02	4.42	3
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	IS12	Middle	7.8	2	2	08:20	30	7.78	19.1	7.04	4.45	2.2
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	IS12	Bottom	14.5	3	1	08:20	30.2	7.83	19.3	6.97	4.76	2.8
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	IS12	Bottom	14.5	3	2	08:20	30.1	7.8	19.2	6.95	4.71	2.9
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	IS13	Surface	1	1	1	08:35	30.1	7.69	18.3	7.12	4.22	2.2
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	IS13	Surface	1	1	2	08:35	30	7.68	18.7	7.09	4.2	2.4

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	IS13	Middle	7.2	2	1	08:35	30.1	7.73	18.8	7.02	4.29	2.3
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	IS13	Middle	7.2	2	2	08:35	30.2	7.72	18.9	7.03	4.34	3
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	13.3	3	1	08:35	30.2	7.8	19.1	6.91	4.52	2.7
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	13.3	3	2	08:35	30.2	7.79	19.1	6.88	4.49	3.4
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	IS14	Surface	1	1	1	08:05	30	7.69	18.2	7.05	4.44	2.2
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	IS14	Surface	1	1	2	08:05	29.9	7.72	18.4	7.04	4.47	2.8
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	IS14	Middle	7.2	2	1	08:05	30.2	7.78	18.7	6.93	4.57	2.3
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	IS14	Middle	7.2	2	2	08:05	30.2	7.8	18.8	6.9	4.53	2.7
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	IS14	Bottom	13.3	3	1	08:05	30.3	7.84	19	6.83	4.64	2.8
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	IS14	Bottom	13.3	3	2	08:05	30.2	7.81	18.9	6.88	4.68	2.4
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	IS15	Surface	1	1	1	08:50	29.8	7.75	18.3	7.02	4.33	2.1
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	IS15	Surface	1	1	2	08:50	30	7.71	18.6	6.97	4.36	2.4
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	IS15	Middle	6.8	2	1	08:50	30.1	7.82	18.8	6.87	4.42	2.7
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	IS15	Middle	6.8	2	2	08:50	30.1	7.8	18.9	6.84	4.47	2.7
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	IS15	Bottom	12.6	3	1	08:50	30.2	7.85	19.1	6.77	4.76	4
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	IS15	Bottom	12.6	3	2	08:50	30.1	7.89	19.1	6.73	4.73	3.5
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	SR8	Surface	1	1	1	09:20	29.9	7.75	18.2	7.05	4.65	2.9
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	SR8	Surface	1	1	2	09:20	29.9	7.78	18.5	7.02	4.71	2.1
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	SR8	Middle		2	1	09:20						
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	SR8	Middle		2	2	09:20						
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	SR8	Bottom	4.3	3	1	09:20	30.1	7.82	18.8	6.95	4.92	2.3
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	SR8	Bottom	4.3	3	2	09:20	30.1	7.86	18.8	6.9	4.88	2.1
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	SR9	Surface	1	1	1	09:06	29.9	7.73	18.3	7.02	4.62	2.6
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	SR9	Surface	1	1	2	09:06	30	7.73	18.6	7.01	4.65	2.6
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	SR9	Middle		2	1	09:06						
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	SR9	Middle		2	2	09:06						
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	SR9	Bottom	4.1	3	1	09:06	30	7.79	18.9	6.93	4.83	2.5
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	SR9	Bottom	4.1	3	2	09:06	30.1	7.82	19	6.89	4.87	2.8
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	SR10A	Surface	1	1	1	09:43	30	7.72	18.3	7.12	4.51	2.2
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	SR10A	Surface	1	1	2	09:43	30	7.69	18.6	7.09	4.47	2.5
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	7.3	2	1	09:43	30.1	7.75	18.9	7.05	4.61	2.5
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	7.3	2	2	09:43	30	7.71	18.6	7.01	4.63	2.6
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	SR10A	Bottom	13.5	3	1	09:43	30.3	7.79	18.9	6.94	4.74	2
TMCLKL	HY/2012/08	2014-07-07	Mid-Ebb	Cloudy	Small Wave	SR10A	Bottom	13.5	3	2	09:43	30.3	7.82	19	6.98	4.77	2.9
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	CS4	Surface	1	1	1	18:00	29.9	7.7	18.3	6.6	4.04	5.6
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	CS4	Surface	1	1	2	18:00	29.9	7.64	18.3	6.64	4.01	5.1
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	CS4	Middle	11.1	2	1	18:00	29.9	7.71	18.4	6.26	4.1	6.4
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	CS4	Middle	11.1	2	2	18:00	29.9	7.72	18.5	6.23	4.14	6.9
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	CS4	Bottom	21.2	3	1	18:00	29.7	7.74	18.4	6.02	4.86	7.2
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	CS4	Bottom	21.2	3	2	18:00	29.7	7.73	18.5	6.09	4.89	6.6
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	CS6	Surface	1	1	1	15:48	29.9	7.75	18.4	6.71	4.41	5.5
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	CS6	Surface	1	1	2	15:48	29.9	7.74	18.4	6.73	4.43	6
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	CS6	Middle	7.9	2	1	15:48	29.8	7.8	18.4	6.33	4.65	7.8
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	CS6	Middle	7.9	2	2	15:48	29.9	7.81	18.4	6.35	4.67	6.8
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	CS6	Bottom	14.8	3	1	15:48	29.8	7.82	18.5	6.27	4.79	8.7
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	CS6	Bottom	14.8	3	2	15:48	29.7	7.83	18.5	6.29	4.72	8
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	IS12	Surface	1	1	1	17:24	29.9	7.72	18.4	6.39	4.31	4.1
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	IS12	Surface	1	1	2	17:24	29.9	7.71	18.4	6.34	4.33	3.9
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	IS12	Middle	7.7	2	1	17:24	29.8	7.76	18.4	6.27	4.05	4.8
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	IS12	Middle	7.7	2	2	17:24	29.8	7.75	18.4	6.21	4.07	4.6
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	IS12	Bottom	14.4	3	1	17:24	29.8	7.77	18.5	6.04	4.19	5.2
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	IS12	Bottom	14.4	3	2	17:24	29.8	7.78	18.5	6.08	4.12	5.5
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	IS13	Surface	1	1	1	17:08	29.9	7.69	18.4	6.47	4.67	4.3
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	IS13	Surface	1	1	2	17:08	29.9	7.68	18.4	6.48	4.61	4.2
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	IS13	Middle	5.7	2	1	17:08	29.8	7.71	18.4	6.23	4.74	4.1
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	IS13	Middle	5.7	2	2	17:08	29.8	7.7	18.4	6.27	4.78	5.3
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	IS13	Bottom	10.4	3	1	17:08	29.8	7.73	18.5	6.03	4.53	6.6
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	IS13	Bottom	10.4	3	2	17:08	29.7	7.74	18.6	6	4.59	7.1

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	IS14	Surface	1	1	1	17:40	29.9	7.72	18.3	6.73	4.24	5
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	IS14	Surface	1	1	2	17:40	29.9	7.7	18.4	6.79	4.26	5
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	IS14	Middle	7.3	2	1	17:40	29.9	7.74	18.4	6.36	4.68	5.5
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	IS14	Middle	7.3	2	2	17:40	29.8	7.73	18.4	6.3	4.6	5.9
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	IS14	Bottom	13.6	3	1	17:40	29.8	7.76	18.5	6.54	4.36	5.9
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	IS14	Bottom	13.6	3	2	17:40	29.7	7.75	18.5	6.51	4.3	6
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	IS15	Surface	1	1	1	16:52	29.9	7.71	18.3	6.17	4.33	4.9
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	IS15	Surface	1	1	2	16:52	29.9	7.73	18.4	6.14	4.36	5.3
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	IS15	Middle	5.8	2	1	16:52	29.8	7.75	18.4	6.06	4.97	6.9
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	IS15	Middle	5.8	2	2	16:52	29.9	7.77	18.5	6.08	4.9	6.5
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	IS15	Bottom	10.6	3	1	16:52	29.8	7.73	18.5	6.35	4.99	8.1
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	IS15	Bottom	10.6	3	2	16:52	29.8	7.74	18.5	6.34	4.94	8.3
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	SR8	Surface	1	1	1	16:20	29.9	7.65	18.3	6.4	4.27	6.6
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	SR8	Surface	1	1	2	16:20	29.9	7.67	18.3	6.44	4.21	6.3
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	SR8	Middle		2	1	16:20						
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	SR8	Middle		2	2	16:20						
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	SR8	Bottom	4.4	3	1	16:20	29.7	7.74	18.5	6.71	4.54	6.9
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	SR8	Bottom	4.4	3	2	16:20	29.8	7.7	18.4	6.7	4.58	6.9
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	SR9	Surface	1	1	1	16:36	29.9	7.76	18.3	6.06	4.12	7.4
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	SR9	Surface	1	1	2	16:36	29.9	7.77	18.3	6.08	4.13	7.1
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	SR9	Middle		2	1	16:36						
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	SR9	Middle		2	2	16:36						
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	SR9	Bottom	4.4	3	1	16:36	29.8	7.8	18.5	6.33	4.82	7.6
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	SR9	Bottom	4.4	3	2	16:36	29.7	7.79	18.6	6.39	4.89	7.4
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	SR10A	Surface	1	1	1	16:04	29.9	7.68	18.4	6.82	4.24	5.1
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	SR10A	Surface	1	1	2	16:04	29.9	7.69	18.3	6.84	4.26	5.5
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	SR10A	Middle	7.4	2	1	16:04	29.8	7.7	18.3	6.06	4.68	4.3
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	SR10A	Middle	7.4	2	2	16:04	29.8	7.74	18.4	6.08	4.6	4
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	SR10A	Bottom	13.8	3	1	16:04	29.8	7.81	18.5	6.1	4.99	4.5
TMCLKL	HY/2012/08	2014-07-09	Mid-Flood	Fine	Small Wave	SR10A	Bottom	13.8	3	2	16:04	29.8	7.8	18.4	6.16	4.94	5.8
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	CS4	Surface	1	1	1	09:20	29.9	7.74	18.3	6.54	4.33	4
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	CS4	Surface	1	1	2	09:20	29.9	7.75	18.3	6.56	4.36	3.7
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	CS4	Middle	10.9	2	1	09:20	29.8	7.72	18.4	6.49	4.17	4.2
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	CS4	Middle	10.9	2	2	09:20	29.8	7.73	18.3	6.41	4.1	3.5
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	CS4	Bottom	20.8	3	1	09:20	29.8	7.76	18.5	6.23	4.46	3.4
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	CS4	Bottom	20.8	3	2	09:20	29.7	7.75	18.5	6.24	4.4	3
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	CS6	Surface	1	1	1	12:00	29.9	7.7	18.3	6.69	4.17	4.7
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	CS6	Surface	1	1	2	12:00	29.9	7.71	18.3	6.64	4.16	4.7
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	CS6	Middle	7.5	2	1	12:00	29.8	7.8	18.4	6.47	4.36	4.9
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	CS6	Middle	7.5	2	2	12:00	29.8	7.78	18.4	6.41	4.3	5.7
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	CS6	Bottom	14	3	1	12:00	29.7	7.74	18.5	6.24	4.64	5.7
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	CS6	Bottom	14	3	2	12:00	29.7	7.75	18.5	6.28	4.61	6.9
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	IS12	Surface	1	1	1	10:00	29.9	7.77	18.3	6.75	4.07	5
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	IS12	Surface	1	1	2	10:00	29.9	7.78	18.3	6.74	4.03	5.1
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	IS12	Middle	7.6	2	1	10:00	29.8	7.78	18.4	6.09	4.62	5.7
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	IS12	Middle	7.6	2	2	10:00	29.8	7.79	18.3	6.08	4.64	6
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	IS12	Bottom	14.2	3	1	10:00	29.7	7.76	18.5	6.13	4.76	7.9
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	IS12	Bottom	14.2	3	2	10:00	29.7	7.77	18.4	6.17	4.79	8.4
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	IS13	Surface	1	1	1	10:20	29.9	7.69	18.3	6.14	4.19	5.7
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	IS13	Surface	1	1	2	10:20	29.9	7.7	18.4	6.18	4.12	6.1
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	IS13	Middle	5.4	2	1	10:20	29.8	7.74	18.4	6.02	4.44	6.3
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	IS13	Middle	5.4	2	2	10:20	29.8	7.73	18.4	6.04	4.46	6
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	IS13	Bottom	9.8	3	1	10:20	29.8	7.75	18.5	6.2	4.68	6.2
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	IS13	Bottom	9.8	3	2	10:20	29.7	7.76	18.6	6.21	4.6	6.6
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	IS14	Surface	1	1	1	09:40	29.9	7.79	18.3	6.62	4.18	4.3
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	IS14	Surface	1	1	2	09:40	29.9	7.8	18.3	6.66	4.17	3.6
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	IS14	Middle	7	2	1	09:40	29.8	7.81	18.4	6.18	4.42	4.2
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	IS14	Middle	7	2	2	09:40	29.9	7.82	18.4	6.14	4.43	5.3

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	IS14	Bottom	13	3	1	09:40	29.7	7.83	18.5	6.31	4.62	6.2
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	IS14	Bottom	13	3	2	09:40	29.7	7.82	18.5	6.3	4.69	5.3
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	IS15	Surface	1	1	1	10:40	29.9	7.71	18.3	6.37	4.35	4.6
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	IS15	Surface	1	1	2	10:40	29.9	7.72	18.3	6.31	4.37	5.5
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	IS15	Middle	5.6	2	1	10:40	29.8	7.78	18.4	6.43	4.19	5.2
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	IS15	Middle	5.6	2	2	10:40	29.9	7.77	18.4	6.49	4.12	6
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	IS15	Bottom	10.2	3	1	10:40	29.8	7.79	18.5	6.56	4.85	5.6
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	IS15	Bottom	10.2	3	2	10:40	29.7	7.8	18.5	6.58	4.87	6
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	SR8	Surface	1	1	1	11:20	29.9	7.71	18.3	6.8	4.59	4.1
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	SR8	Surface	1	1	2	11:20	29.9	7.7	18.2	6.84	4.52	5.2
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	SR8	Middle		2	1	11:20						
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	SR8	Middle		2	2	11:20						
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	SR8	Bottom	4	3	1	11:20	29.8	7.71	18.4	6.36	4.74	5.5
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	SR8	Bottom	4	3	2	11:20	29.8	7.7	18.4	6.39	4.76	5.6
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	SR9	Surface	1	1	1	11:00	29.9	7.76	18.3	6.69	4.61	4.7
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	SR9	Surface	1	1	2	11:00	29.9	7.78	18.3	6.64	4.63	4.5
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	SR9	Middle		2	1	11:00						
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	SR9	Middle		2	2	11:00						
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	SR9	Bottom	4	3	1	11:00	29.8	7.79	18.5	6.92	4.77	4.5
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	SR9	Bottom	4	3	2	11:00	29.8	7.78	18.5	6.9	4.71	5.8
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	SR10A	Surface	1	1	1	11:40	29.9	7.72	18.3	6.93	4.4	4.4
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	SR10A	Surface	1	1	2	11:40	29.9	7.73	18.3	6.99	4.44	5.7
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	SR10A	Middle	7.1	2	1	11:40	29.8	7.77	18.4	6.76	4.66	4.2
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	SR10A	Middle	7.1	2	2	11:40	29.7	7.76	18.4	6.7	4.69	4.7
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	SR10A	Bottom	13.2	3	1	11:40	29.8	7.73	18.5	6.24	4.51	4.3
TMCLKL	HY/2012/08	2014-07-09	Mid-Ebb	Fine	Small Wave	SR10A	Bottom	13.2	3	2	11:40	29.7	7.72	18.5	6.21	4.53	4.9
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	CS4	Surface	1	1	1	20:19	29	7.77	18.1	6.44	4.52	3.7
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	CS4	Surface	1	1	2	20:19	29	7.79	18.2	6.46	4.54	3.2
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	CS4	Middle	11	2	1	20:19	28.9	7.86	18.3	6.21	4.61	3.3
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	CS4	Middle	11	2	2	20:19	28.8	7.88	18.3	6.23	4.63	3
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	CS4	Bottom	21	3	1	20:19	28.6	7.69	18.4	6.06	4.77	3.1
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	CS4	Bottom	21	3	2	20:19	28.7	7.71	18.5	6.09	4.79	3.2
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	CS6	Surface	1	1	1	17:29	29.1	7.74	18	6.72	4.26	2.9
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	CS6	Surface	1	1	2	17:29	29	7.76	18.1	6.74	4.28	2.8
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	CS6	Middle	7.7	2	1	17:29	28.9	7.83	18.2	6.55	4.52	2.8
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	CS6	Middle	7.7	2	2	17:29	28.8	7.81	18.3	6.57	4.54	3.1
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	CS6	Bottom	14.3	3	1	17:29	28.1	7.69	18.4	6.31	4.77	3.7
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	CS6	Bottom	14.3	3	2	17:29	28.1	7.71	18.4	6.29	4.79	3.3
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	IS12	Surface	1	1	1	19:41	28.9	7.73	18	6.88	4.14	3.8
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	IS12	Surface	1	1	2	19:41	29	7.75	18	6.9	4.16	2.1
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	IS12	Middle	7.8	2	1	19:41	28.8	7.68	18.1	6.72	4.29	2
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	IS12	Middle	7.8	2	2	19:41	28.8	7.7	18.2	6.74	4.31	2.1
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	IS12	Bottom	14.5	3	1	19:41	28.7	7.7	18.3	6.43	4.37	2.8
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	IS12	Bottom	14.5	3	2	19:41	28.6	7.72	18.4	6.45	4.39	2.9
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	IS13	Surface	1	1	1	19:20	29.1	7.81	18	6.64	4.26	2.4
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	IS13	Surface	1	1	2	19:20	29	7.83	18.1	6.66	4.28	3
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	IS13	Middle	5.5	2	1	19:20	28.8	7.66	18.2	6.22	4.46	2
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	IS13	Middle	5.5	2	2	19:20	28.9	7.68	18.3	6.24	4.48	4
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	IS13	Bottom	10	3	1	19:20	28.7	7.73	18.4	6.15	4.51	3
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	IS13	Bottom	10	3	2	19:20	28.8	7.75	18.3	6.13	4.53	2.6
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	IS14	Surface	1	1	1	20:00	29.1	7.66	18	6.69	4.29	2.6
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	IS14	Surface	1	1	2	20:00	29	7.64	18.1	6.67	4.31	2.1
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	IS14	Middle	7.1	2	1	20:00	28.9	7.73	18.2	6.43	4.56	2.4
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	IS14	Middle	7.1	2	2	20:00	28.8	7.75	18.3	6.45	4.54	2.4
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	IS14	Bottom	13.2	3	1	20:00	28.7	7.81	18.4	6.32	4.63	3
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	IS14	Bottom	13.2	3	2	20:00	28.7	7.79	18.3	6.3	4.61	4.5
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	IS15	Surface	1	1	1	18:59	28.9	7.75	18.1	6.43	4.46	2.5
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	IS15	Surface	1	1	2	18:59	28.9	7.77	18.2	6.45	4.48	2.8

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	IS15	Middle	5.8	2	1	18:59	28.7	7.8	18.3	6.36	4.61	3.6
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	IS15	Middle	5.8	2	2	18:59	28.8	7.78	18.2	6.39	4.59	2.9
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	IS15	Bottom	10.5	3	1	18:59	28.7	7.67	18.4	6.21	4.7	3.2
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	IS15	Bottom	10.5	3	2	18:59	28.6	7.67	18.4	6.19	4.72	3
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	SR8	Surface	1	1	1	18:29	29.1	7.76	18	6.94	4.03	2.7
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	SR8	Surface	1	1	2	18:29	29.1	7.78	18.1	6.92	4.05	2.1
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	SR8	Middle		2	1	18:29						
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	SR8	Middle		2	2	18:29						
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	SR8	Bottom	4.2	3	1	18:29	28.8	7.63	18.2	6.75	4.17	2.8
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	SR8	Bottom	4.2	3	2	18:29	28.7	7.65	18.1	6.73	4.19	3.2
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	SR9	Surface	1	1	1	18:44	29	7.69	18	6.78	4.32	3.4
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	SR9	Surface	1	1	2	18:44	28.9	7.71	18.1	6.79	4.34	4.1
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	SR9	Middle		2	1	18:44						
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	SR9	Middle		2	2	18:44						
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	SR9	Bottom	4.2	3	1	18:44	28.7	7.74	18.2	6.58	4.67	4.1
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	SR9	Bottom	4.2	3	2	18:44	28.8	7.76	18.3	6.6	4.69	4.1
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	SR10A	Surface	1	1	1	17:59	29	7.63	18	6.85	4.13	4.7
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	SR10A	Surface	1	1	2	17:59	29	7.61	18	6.87	4.11	3.7
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	SR10A	Middle	7.2	2	1	17:59	28.8	7.65	18.1	6.72	4.48	4
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	SR10A	Middle	7.2	2	2	17:59	28.9	7.67	18.2	6.7	4.45	3.6
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	SR10A	Bottom	13.4	3	1	17:59	28.6	7.74	18.3	6.55	4.68	3.1
TMCLKL	HY/2012/08	2014-07-11	Mid-Flood	Fine	Small Wave	SR10A	Bottom	13.4	3	2	17:59	28.7	7.76	18.4	6.57	4.7	2.6
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	CS4	Surface	1	1	1	10:19	29.8	7.66	18	6.35	4.41	2.4
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	CS4	Surface	1	1	2	10:19	29.8	7.64	18.1	6.37	4.39	2.4
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	CS4	Middle	10.9	2	1	10:19	28.7	7.84	18.2	6.17	4.52	2.5
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	CS4	Middle	10.9	2	2	10:19	28.6	7.86	18.2	6.18	4.5	3
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	CS4	Bottom	20.8	3	1	10:19	28.6	7.71	18.3	6.2	4.63	2.8
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	CS4	Bottom	20.8	3	2	10:19	28.5	7.73	18.4	6.17	4.61	3.5
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	CS6	Surface	1	1	1	13:31	29.1	7.63	18	6.63	4.31	2.6
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	CS6	Surface	1	1	2	13:31	29.1	7.61	18.1	6.61	4.33	2.5
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	CS6	Middle	7.6	2	1	13:31	29	7.76	18.2	6.43	4.68	3.6
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	CS6	Middle	7.6	2	2	13:31	28.9	7.78	18.3	6.41	4.7	4
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	CS6	Bottom	14.1	3	1	13:31	28.8	7.8	18.4	6.25	4.81	3.7
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	CS6	Bottom	14.1	3	2	13:31	28.7	7.82	18.3	6.23	4.83	3.3
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	IS12	Surface	1	1	1	11:01	29.1	7.63	18	6.72	4.24	3.6
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	IS12	Surface	1	1	2	11:01	29	7.61	18.1	6.7	4.26	2.9
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	IS12	Middle	7.6	2	1	11:01	28.9	7.69	18.2	6.68	4.33	3.1
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	IS12	Middle	7.6	2	2	11:01	28.8	7.71	18.3	6.65	4.35	3.7
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	IS12	Bottom	14.2	3	1	11:01	28.7	7.82	18.4	6.31	4.47	3.6
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	IS12	Bottom	14.2	3	2	11:01	28.7	7.84	18.3	6.33	4.49	3.1
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	IS13	Surface	1	1	1	11:22	28.9	7.63	18	6.51	4.33	2.7
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	IS13	Surface	1	1	2	11:22	28.9	7.6	18.1	6.49	4.35	2
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	IS13	Middle	5.4	2	1	11:22	28.8	7.74	18.2	6.15	4.5	2.6
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	IS13	Middle	5.4	2	2	11:22	28.7	7.76	18.2	6.13	4.52	2.9
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	IS13	Bottom	9.8	3	1	11:22	28.7	7.81	18.3	6.07	4.66	3.5
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	IS13	Bottom	9.8	3	2	11:22	28.6	7.83	18.4	6.05	4.68	3.6
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	IS14	Surface	1	1	1	10:40	29	7.76	18.1	6.58	4.33	3.2
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	IS14	Surface	1	1	2	10:40	29	7.78	18.1	6.56	4.36	3.5
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	IS14	Middle	7	2	1	10:40	28.9	7.83	18.2	6.34	4.62	2.4
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	IS14	Middle	7	2	2	10:40	28.8	7.85	18.3	6.36	4.64	2.4
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	IS14	Bottom	13	3	1	10:40	28.6	7.67	18.4	6.24	4.77	2.3
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	IS14	Bottom	13	3	2	10:40	28.7	7.69	18.5	6.25	4.79	2.4
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	IS15	Surface	1	1	1	11:43	29	7.75	18	6.34	4.58	2.4
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	IS15	Surface	1	1	2	11:43	28.9	7.73	18	6.36	4.6	2.5
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	IS15	Middle	5.7	2	1	11:43	28.8	7.63	18.1	6.21	4.7	3.2
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	IS15	Middle	5.7	2	2	11:43	28.7	7.61	18.2	6.24	4.68	2.9
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	IS15	Bottom	10.3	3	1	11:43	28.7	7.68	18.3	6.17	4.76	3.3
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	IS15	Bottom	10.3	3	2	11:43	28.6	7.7	18.3	6.15	4.78	2.8

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	SR8	Surface	1	1	1	12:26	28.9	7.63	18	6.83	4.11	2.2
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	SR8	Surface	1	1	2	12:26	29	7.65	18	6.85	4.13	3
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	SR8	Middle		2	1	12:26						
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	SR8	Middle		2	2	12:26						
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	SR8	Bottom	3.9	3	1	12:26	28.7	7.72	18.1	6.6	4.26	2.3
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	SR8	Bottom	3.9	3	2	12:26	28.8	7.7	18.2	6.58	4.28	2.9
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	SR9	Surface	1	1	1	12:05	29.1	7.83	18.1	6.62	4.44	2.7
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	SR9	Surface	1	1	2	12:05	29.1	7.81	18.2	6.64	4.46	3
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	SR9	Middle		2	1	12:05						
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	SR9	Middle		2	2	12:05						
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	SR9	Bottom	3.9	3	1	12:05	28.9	7.73	18.3	6.42	4.72	3.4
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	SR9	Bottom	3.9	3	2	12:05	29	7.75	18.3	6.44	4.74	3
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	SR10A	Surface	1	1	1	13:02	29	7.72	18.1	6.71	4.24	3
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	SR10A	Surface	1	1	2	13:02	29.1	7.74	18.2	6.73	4.26	2
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	SR10A	Middle	7.1	2	1	13:02	29	7.81	18.2	6.63	4.55	2.5
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	SR10A	Middle	7.1	2	2	13:02	28.9	7.83	18.3	6.61	4.53	3.2
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	SR10A	Bottom	13.2	3	1	13:02	28.8	7.69	18.3	6.44	4.73	2.3
TMCLKL	HY/2012/08	2014-07-11	Mid-Ebb	Fine	Small Wave	SR10A	Bottom	13.2	3	2	13:02	28.7	7.71	18.4	6.42	4.75	3.2
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	CS4	Surface	1	1	1	22:27	30.1	7.69	17.9	6.83	5.21	3.7
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	CS4	Surface	1	1	2	22:27	30	7.71	18	6.81	5.23	3.4
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	CS4	Middle	11	2	1	22:27	29.9	7.76	18.1	6.6	5.46	4.2
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	CS4	Middle	11	2	2	22:27	29.8	7.74	18.1	6.58	5.44	5.1
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	CS4	Bottom	21	3	1	22:27	29.7	7.81	18.2	6.33	5.51	5.4
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	CS4	Bottom	21	3	2	22:27	29.7	7.83	18.3	6.35	5.49	4.7
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	CS6	Surface	1	1	1	19:40	30	7.69	18	7.03	5.23	5
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	CS6	Surface	1	1	2	19:40	29.9	7.71	18	7.05	5.25	5.6
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	CS6	Middle	7.7	2	1	19:40	29.8	7.74	18.1	6.56	5.37	4.9
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	CS6	Middle	7.7	2	2	19:40	29.8	7.76	18.2	6.58	5.4	4.3
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	CS6	Bottom	14.3	3	1	19:40	29.7	7.81	18.3	6.32	5.66	5.6
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	CS6	Bottom	14.3	3	2	19:40	29.6	7.83	18.4	6.34	5.68	5.4
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	IS12	Surface	1	1	1	21:44	30.1	7.63	18	6.96	5.03	3
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	IS12	Surface	1	1	2	21:44	30.2	7.65	18.1	6.98	5.05	3.1
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	IS12	Middle	7.7	2	1	21:44	30	7.72	18.2	6.68	5.17	4.7
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	IS12	Middle	7.7	2	2	21:44	29.9	7.74	18.2	6.7	5.19	3.2
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	IS12	Bottom	14.4	3	1	21:44	29.8	7.86	18.3	6.24	5.26	3.3
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	IS12	Bottom	14.4	3	2	21:44	29.7	7.88	18.4	6.26	5.29	4.7
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	IS13	Surface	1	1	1	21:23	30	7.67	18.1	6.58	5.33	3.7
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	IS13	Surface	1	1	2	21:23	30	7.69	18.2	6.6	5.35	4.8
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	IS13	Middle	5.5	2	1	21:23	29.9	7.73	18.3	6.37	5.56	4.2
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	IS13	Middle	5.5	2	2	21:23	29.8	7.75	18.3	6.35	5.58	5.4
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	IS13	Bottom	10	3	1	21:23	29.8	7.82	18.4	6.24	5.72	4.2
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	IS13	Bottom	10	3	2	21:23	29.7	7.84	18.5	6.22	5.7	5.1
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	IS14	Surface	1	1	1	22:05	30	7.74	18.1	6.77	5.13	4.1
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	IS14	Surface	1	1	2	22:05	30	7.76	18.2	6.75	5.15	4.7
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	IS14	Middle	7.2	2	1	22:05	29.9	7.81	18.3	6.35	5.29	4.8
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	IS14	Middle	7.2	2	2	22:05	29.8	7.83	18.4	6.37	5.31	5.2
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	IS14	Bottom	13.3	3	1	22:05	29.7	7.67	18.5	6.29	5.55	5.1
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	IS14	Bottom	13.3	3	2	22:05	29.6	7.69	18.6	6.31	5.57	4.7
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	IS15	Surface	1	1	1	21:06	30	7.81	18	6.66	5.22	5.9
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	IS15	Surface	1	1	2	21:06	29.9	7.79	18.1	6.68	5.24	5.1
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	IS15	Middle	5.8	2	1	21:06	29.8	7.66	18.2	6.59	5.41	4.6
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	IS15	Middle	5.8	2	2	21:06	29.7	7.68	18.2	6.57	5.44	5.6
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	IS15	Bottom	10.5	3	1	21:06	29.6	7.73	18.3	6.33	5.67	5.2
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	IS15	Bottom	10.5	3	2	21:06	29.7	7.75	18.4	6.35	5.69	4.4
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	SR8	Surface	1	1	1	20:36	29.9	7.63	18.1	6.97	5.04	3.8
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	SR8	Surface	1	1	2	20:36	29.8	7.65	18.2	6.99	5.02	3.3
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	SR8	Middle		2	1	20:36						
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	SR8	Middle		2	2	20:36						

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	SR8	Bottom	4.1	3	1	20:36	29.7	7.81	18.3	6.41	5.17	2.3
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	SR8	Bottom	4.1	3	2	20:36	29.6	7.83	18.3	6.43	5.2	4.2
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	SR9	Surface	1	1	1	20:51	30.1	7.74	18.1	6.84	5.14	3.3
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	SR9	Surface	1	1	2	20:51	30	7.76	18.1	6.86	5.16	3.1
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	SR9	Middle		2	1	20:51						
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	SR9	Middle		2	2	20:51						
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	SR9	Bottom	4.2	3	1	20:51	29.9	7.83	18.2	6.55	5.26	3.6
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	SR9	Bottom	4.2	3	2	20:51	29.8	7.85	18.3	6.53	5.28	5
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	SR10A	Surface	1	1	1	20:08	30	7.84	18	7.11	5.11	4.8
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	SR10A	Surface	1	1	2	20:08	30	7.86	18.1	7.13	5.13	3.5
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	SR10A	Middle	7.3	2	1	20:08	29.9	7.73	18.2	6.83	5.24	4.5
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	SR10A	Middle	7.3	2	2	20:08	29.8	7.75	18.3	6.81	5.26	4.4
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	SR10A	Bottom	13.5	3	1	20:08	29.7	7.66	18.4	6.24	5.58	5.1
TMCLKL	HY/2012/08	2014-07-14	Mid-Flood	Fine	Small Wave	SR10A	Bottom	13.5	3	2	20:08	29.7	7.68	18.4	6.26	5.6	5.6
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	CS4	Surface	1	1	1	12:40	30	7.83	18.1	6.72	5.3	5.5
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	CS4	Surface	1	1	2	12:40	29.9	7.85	18.2	6.7	5.32	5.1
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	CS4	Middle	10.9	2	1	12:40	29.8	7.86	18.3	6.55	5.58	4.5
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	CS4	Middle	10.9	2	2	12:40	29.9	7.88	18.3	6.53	5.6	4.8
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	CS4	Bottom	20.8	3	1	12:40	29.7	7.76	18.4	6.21	5.73	5.9
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	CS4	Bottom	20.8	3	2	12:40	29.7	7.78	18.3	6.23	5.71	5.2
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	CS6	Surface	1	1	1	15:56	30.1	7.76	18	6.93	5.34	6
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	CS6	Surface	1	1	2	15:56	30	7.78	18.1	6.91	5.32	4.5
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	CS6	Middle	7.6	2	1	15:56	29.9	7.84	18.2	6.42	5.46	4.5
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	CS6	Middle	7.6	2	2	15:56	29.8	7.86	18.3	6.4	5.48	5
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	CS6	Bottom	14.1	3	1	15:56	29.7	7.63	18.4	6.27	5.77	5.6
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	CS6	Bottom	14.1	3	2	15:56	29.6	7.65	18.4	6.29	5.79	4.4
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	IS12	Surface	1	1	1	13:22	30	7.74	18	6.83	5.11	4
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	IS12	Surface	1	1	2	13:22	30	7.76	18.1	6.81	5.13	4.7
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	IS12	Middle	7.6	2	1	13:22	29.9	7.81	18.2	6.59	5.29	4.9
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	IS12	Middle	7.6	2	2	13:22	29.8	7.83	18.3	6.61	5.31	5.6
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	IS12	Bottom	14.1	3	1	13:22	29.7	7.69	18.4	6.35	5.42	6.7
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	IS12	Bottom	14.1	3	2	13:22	29.6	7.67	18.3	6.37	5.44	5.7
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	IS13	Surface	1	1	1	13:43	30.1	7.88	18	6.43	5.39	5.2
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	IS13	Surface	1	1	2	13:43	30.2	7.86	18.1	6.41	5.41	5.4
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	IS13	Middle	5.4	2	1	13:43	30	7.69	18.2	6.29	5.63	4.9
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	IS13	Middle	5.4	2	2	13:43	29.9	7.71	18.3	6.31	5.65	4.6
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	IS13	Bottom	9.8	3	1	13:43	29.8	7.74	18.4	6.13	5.88	5.9
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	IS13	Bottom	9.8	3	2	13:43	29.7	7.76	18.3	6.11	5.86	5.8
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	IS14	Surface	1	1	1	13:01	30.1	7.63	18	6.65	5.27	6.6
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	IS14	Surface	1	1	2	13:01	30	7.65	18	6.63	5.25	7.2
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	IS14	Middle	7.1	2	1	13:01	29.9	7.72	18.1	6.26	5.17	6.5
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	IS14	Middle	7.1	2	2	13:01	29.9	7.7	18.2	6.28	5.15	6.9
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	IS14	Bottom	13.1	3	1	13:01	29.8	7.83	18.3	6.13	5.63	6.3
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	IS14	Bottom	13.1	3	2	13:01	29.7	7.85	18.4	6.15	5.61	7.2
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	IS15	Surface	1	1	1	14:05	30.1	7.76	18.1	6.55	5.33	5.1
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	IS15	Surface	1	1	2	14:05	30	7.75	18.2	6.53	5.31	5.5
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	IS15	Middle	5.7	2	1	14:05	30	7.83	18.3	5.44	5.57	5.7
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	IS15	Middle	5.7	2	2	14:05	29.9	7.81	18.3	5.46	5.59	5.6
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	IS15	Bottom	10.3	3	1	14:05	29.8	7.66	18.4	5.21	5.73	6.7
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	IS15	Bottom	10.3	3	2	14:05	29.8	7.68	18.3	5.23	5.75	6.2
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	SR8	Surface	1	1	1	14:47	29.9	7.65	18.1	6.88	5.17	5.3
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	SR8	Surface	1	1	2	14:47	29.9	7.67	18.2	6.9	5.19	5.4
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	SR8	Middle		2	1	14:47						
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	SR8	Middle		2	2	14:47						
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	SR8	Bottom	3.9	3	1	14:47	29.7	7.74	18.3	6.33	5.38	3.9
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	SR8	Bottom	3.9	3	2	14:47	29.8	7.76	18.3	6.35	5.4	3.7
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	SR9	Surface	1	1	1	14:26	30	7.83	18	6.7	5.25	5.6
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	SR9	Surface	1	1	2	14:26	29.7	7.81	18	6.68	5.27	5.1

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	SR9	Middle		2	1	14:26						
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	SR9	Middle		2	2	14:26						
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	SR9	Bottom	3.9	3	1	14:26	29.8	7.69	18.1	6.42	5.4	5.9
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	SR9	Bottom	3.9	3	2	14:26	29.7	7.71	18.2	6.4	5.38	4.5
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	SR10A	Surface	1	1	1	15:25	30	7.85	18	7.04	5.24	5.6
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	SR10A	Surface	1	1	2	15:25	29.9	7.87	18	7.02	5.22	5.5
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	SR10A	Middle	7.1	2	1	15:25	29.8	7.73	18.1	6.72	5.36	4.8
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	SR10A	Middle	7.1	2	2	15:25	29.7	7.75	18.2	6.7	5.38	5.9
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	SR10A	Bottom	13.2	3	1	15:25	29.6	7.62	18.3	6.13	5.67	4.6
TMCLKL	HY/2012/08	2014-07-14	Mid-Ebb	Fine	Small Wave	SR10A	Bottom	13.2	3	2	15:25	29.7	7.71	18.3	6.15	5.68	6.4
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	CS4	Surface	1	1	1	10:50	30.1	7.7	18	6.74	5.24	4
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	CS4	Surface	1	1	2	10:50	30.1	7.74	18	6.77	5.2	3.6
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	CS4	Middle	11	2	1	10:50	30	7.75	18.1	6.64	5.38	3.4
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	CS4	Middle	11	2	2	10:50	30	7.78	18.2	6.62	5.41	3
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	CS4	Bottom	20.9	3	1	10:50	29.8	7.84	18.3	6.38	5.54	4.6
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	CS4	Bottom	20.9	3	2	10:50	29.9	7.82	18.3	6.34	5.57	5.9
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	CS6	Surface	1	1	1	08:00	29.8	7.68	18.1	6.98	5.44	3.9
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	CS6	Surface	1	1	2	08:00	29.7	7.66	18.1	6.97	5.37	4.1
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	CS6	Middle	7.6	2	1	08:00	29.8	7.73	18.2	6.59	5.46	3.6
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	CS6	Middle	7.6	2	2	08:00	29.8	7.7	18.2	6.61	5.48	5.3
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	CS6	Bottom	14.2	3	1	08:00	29.7	7.83	18.4	6.39	5.7	3.8
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	CS6	Bottom	14.2	3	2	08:00	29.8	7.81	18.3	6.34	5.66	3.4
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	IS12	Surface	1	1	1	10:06	30.1	7.68	18	6.96	5.07	4.8
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	IS12	Surface	1	1	2	10:06	30	7.64	18	6.95	5.09	5.4
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	IS12	Middle	7.7	2	1	10:06	30	7.7	18.1	6.7	5.12	6.5
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	IS12	Middle	7.7	2	2	10:06	30	7.72	18.2	6.64	5.16	5.8
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	IS12	Bottom	14.3	3	1	10:06	29.9	7.84	18.2	6.28	5.25	5.8
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	IS12	Bottom	14.3	3	2	10:06	30	7.85	18.3	6.25	5.21	4.8
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	IS13	Surface	1	1	1	09:45	29.9	7.68	18.2	6.57	5.24	5.1
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	IS13	Surface	1	1	2	09:45	30	7.71	18.2	6.59	5.19	5.1
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	IS13	Middle	5.5	2	1	09:45	29.9	7.75	18.3	6.36	5.43	4.7
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	IS13	Middle	5.5	2	2	09:45	29.8	7.79	18.3	6.33	5.5	4.9
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	IS13	Bottom	9.9	3	1	09:45	29.9	7.84	18.3	6.2	5.58	4.4
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	IS13	Bottom	9.9	3	2	09:45	29.8	7.82	18.4	6.26	5.62	3.7
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	IS14	Surface	1	1	1	10:27	30	7.7	18.2	6.73	5.1	4.9
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	IS14	Surface	1	1	2	10:27	30.1	7.73	18.1	6.76	5.14	5.3
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	IS14	Middle	7.1	2	1	10:27	30	7.79	18.2	6.4	5.28	4.8
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	IS14	Middle	7.1	2	2	10:27	30	7.82	18.3	6.36	5.32	3.5
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	IS14	Bottom	13.2	3	1	10:27	29.9	7.68	18.4	6.26	5.48	4.2
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	IS14	Bottom	13.2	3	2	10:27	30	7.66	18.4	6.29	5.43	3.3
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	IS15	Surface	1	1	1	09:26	29.9	7.78	18.1	6.64	5.14	4.8
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	IS15	Surface	1	1	2	09:26	29.9	7.75	18.1	6.66	5.17	3.6
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	IS15	Middle	5.7	2	1	09:26	29.8	7.66	18.2	6.53	5.46	3.6
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	IS15	Middle	5.7	2	2	09:26	29.9	7.67	18.2	6.55	5.42	4.7
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	IS15	Bottom	10.4	3	1	09:26	29.8	7.7	18.2	6.37	5.64	4.1
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	IS15	Bottom	10.4	3	2	09:26	29.8	7.72	18.3	6.38	5.6	5.2
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	SR8	Surface	1	1	1	08:55	29.8	7.68	18.1	6.94	5.08	3.3
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	SR8	Surface	1	1	2	08:55	29.8	7.64	18.1	6.89	5.11	4.6
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	SR8	Middle		2	1	08:55						
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	SR8	Middle		2	2	08:55						
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	SR8	Bottom	4	3	1	08:55	29.8	7.79	18.3	6.47	5.22	5
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	SR8	Bottom	4	3	2	08:55	29.8	7.82	18.2	6.44	5.18	3.8
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	SR9	Surface	1	1	1	09:11	29.9	7.7	18.1	6.78	5.07	4
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	SR9	Surface	1	1	2	09:11	29.8	7.72	18.2	6.82	5.12	4.3
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	SR9	Middle		2	1	09:11						
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	SR9	Middle		2	2	09:11						
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	SR9	Bottom	4.1	3	1	09:11	29.8	7.83	18.3	6.54	5.31	3.3
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	SR9	Bottom	4.1	3	2	09:11	29.8	7.85	18.3	6.51	5.27	5.3

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	SR10A	Surface	1	1	1	08:27	29.7	7.79	18.2	7.02	5.21	4.4
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	SR10A	Surface	1	1	2	08:27	29.8	7.81	18.1	7.06	5.16	4.5
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	SR10A	Middle	7.2	2	1	08:27	29.7	7.72	18.3	6.75	5.29	5.4
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	SR10A	Middle	7.2	2	2	08:27	29.7	7.74	18.3	6.72	5.33	3.1
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	SR10A	Bottom	13.4	3	1	08:27	29.7	7.65	18.4	6.21	5.54	5.8
TMCLKL	HY/2012/08	2014-07-16	Mid-Flood	Sunny	Small Wave	SR10A	Bottom	13.4	3	2	08:27	29.8	7.68	18.4	6.24	5.5	4.8
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	CS4	Surface	1	1	1	14:11	30	7.76	18.2	6.65	5.24	6.4
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	CS4	Surface	1	1	2	14:11	30.1	7.78	18.2	6.63	5.27	5.7
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	CS4	Middle	10.9	2	1	14:11	30	7.8	18.3	6.54	5.41	4.7
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	CS4	Middle	10.9	2	2	14:11	30	7.76	18.3	6.52	5.35	5.3
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	CS4	Bottom	20.7	3	1	14:11	29.8	7.79	18.4	6.24	5.58	4.6
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	CS4	Bottom	20.7	3	2	14:11	29.9	7.81	18.4	6.21	5.63	5.3
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	CS6	Surface	1	1	1	16:58	30	7.69	18.1	6.9	5.33	4.9
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	CS6	Surface	1	1	2	16:58	29.9	7.71	18.1	6.86	5.3	4.4
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	CS6	Middle	7.6	2	1	16:58	29.8	7.78	18.2	6.45	5.37	6.4
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	CS6	Middle	7.6	2	2	16:58	29.8	7.81	18.2	6.43	5.32	6.8
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	CS6	Bottom	14.2	3	1	16:58	29.7	7.78	18.3	6.28	5.54	5.9
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	CS6	Bottom	14.2	3	2	16:58	29.8	7.74	18.3	6.24	5.58	6.5
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	IS12	Surface	1	1	1	14:50	30.1	7.71	18.1	6.84	5.17	4.1
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	IS12	Surface	1	1	2	14:50	30	7.68	18.1	6.8	5.19	4.1
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	IS12	Middle	7.5	2	1	14:50	30	7.74	18.2	6.54	5.24	4.5
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	IS12	Middle	7.5	2	2	14:50	29.9	7.77	18.2	6.56	5.27	5
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	IS12	Bottom	14	3	1	14:50	29.8	7.64	18.3	6.37	5.36	4.1
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	IS12	Bottom	14	3	2	14:50	29.8	7.65	18.4	6.35	5.38	5.1
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	IS13	Surface	1	1	1	15:08	30.1	7.76	18	6.47	5.27	5.3
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	IS13	Surface	1	1	2	15:08	30.1	7.79	18.1	6.43	5.32	6.2
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	IS13	Middle	5.5	2	1	15:08	30	7.66	18.1	6.33	5.64	5.7
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	IS13	Middle	5.5	2	2	15:08	30	7.64	18.2	6.3	5.69	4.6
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	IS13	Bottom	9.9	3	1	15:08	29.9	7.74	18.2	6.1	5.67	5.5
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	IS13	Bottom	9.9	3	2	15:08	30	7.79	18.3	6.06	5.7	5.5
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	IS14	Surface	1	1	1	14:30	30.1	7.64	18.1	6.67	5.26	5.1
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	IS14	Surface	1	1	2	14:30	30.1	7.6	18.1	6.69	5.23	5.6
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	IS14	Middle	7	2	1	14:30	30	7.7	18	6.24	5.14	5
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	IS14	Middle	7	2	2	14:30	29.9	7.67	18.2	6.21	5.13	4.7
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	IS14	Bottom	13	3	1	14:30	29.9	7.73	18.3	6.11	5.54	4.8
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	IS14	Bottom	13	3	2	14:30	30	7.76	18.4	6.09	5.57	4.8
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	IS15	Surface	1	1	1	15:26	30.1	7.74	18.1	6.54	5.3	5.7
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	IS15	Surface	1	1	2	15:26	30	7.73	18.1	6.52	5.27	4.6
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	IS15	Middle	5.7	2	1	15:26	30	7.8	18.2	5.64	5.47	5.6
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	IS15	Middle	5.7	2	2	15:26	30.1	7.83	18.2	5.68	5.43	4.6
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	IS15	Bottom	10.4	3	1	15:26	30	7.64	18.3	5.33	5.71	4.7
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	IS15	Bottom	10.4	3	2	15:26	29.9	7.6	18.2	5.3	5.69	5.2
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	SR8	Surface	1	1	1	16:04	30	7.67	18.1	6.8	5.19	4.6
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	SR8	Surface	1	1	2	16:04	30.1	7.64	18.1	6.76	5.21	5.2
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	SR8	Middle		2	1	16:04						
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	SR8	Middle		2	2	16:04						
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	SR8	Bottom	4	3	1	16:04	30	7.76	18.2	6.26	5.3	5.6
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	SR8	Bottom	4	3	2	16:04	29.9	7.79	18.3	6.24	5.34	6
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	SR9	Surface	1	1	1	15:44	30	7.74	18.1	6.68	5.21	6.6
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	SR9	Surface	1	1	2	15:44	29.9	7.77	18.1	6.64	5.23	6.5
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	SR9	Middle		2	1	15:44						
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	SR9	Middle		2	2	15:44						
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	SR9	Bottom	4	3	1	15:44	29.8	7.66	18.2	6.41	5.35	5.6
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	SR9	Bottom	4	3	2	15:44	29.8	7.68	18.2	6.43	5.4	5.3
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	SR10A	Surface	1	1	1	16:28	30	7.82	18.1	6.98	5.29	6.5
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	SR10A	Surface	1	1	2	16:28	29.9	7.8	18.1	6.94	5.24	6
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	SR10A	Middle	7.2	2	1	16:28	29.9	7.79	18.2	6.64	5.33	6.5
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	SR10A	Middle	7.2	2	2	16:28	29.8	7.78	18.2	6.66	5.34	5.5

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	SR10A	Bottom	13.3	3	1	16:28	29.7	7.66	18.3	6.16	5.59	6.7
TMCLKL	HY/2012/08	2014-07-16	Mid-Ebb	Sunny	Small Wave	SR10A	Bottom	13.3	3	2	16:28	29.8	7.69	18.3	6.13	5.61	5.7
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	CS4	Surface	1	1	1	16:34	29.6	7.64	18.2	6.64	4.74	3.4
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	CS4	Surface	1	1	2	16:34	29.6	7.63	18.2	6.68	4.77	2.8
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	CS4	Middle	10.9	2	1	16:34	29.6	7.72	18.2	6.44	4.8	4.3
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	CS4	Middle	10.9	2	2	16:34	29.7	7.74	18.3	6.48	4.82	3
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	20.8	3	1	16:34	29.6	7.8	18.3	6.31	4.98	2.6
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	20.8	3	2	16:34	29.7	7.81	18.3	6.29	4.96	2.4
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	1	13:56	29.7	7.71	18.3	6.98	4.76	3.2
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	2	13:56	29.8	7.7	18.2	6.96	4.79	2.4
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	CS6	Middle	7.6	2	1	13:56	29.7	7.74	18.3	6.48	4.88	2.7
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	CS6	Middle	7.6	2	2	13:56	29.6	7.75	18.3	6.51	4.92	2.7
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	CS6	Bottom	15.1	3	1	13:56	29.7	7.78	18.4	6.3	5.03	3.4
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	CS6	Bottom	15.1	3	2	13:56	29.7	7.76	18.5	6.28	5.07	3.2
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	IS12	Surface	1	1	1	15:58	29.7	7.6	18.2	6.72	4.84	3.4
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	IS12	Surface	1	1	2	15:58	29.7	7.58	18.2	6.74	4.88	2.4
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	IS12	Middle	7.6	2	1	15:58	29.8	7.63	18.3	6.5	4.9	2.7
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	IS12	Middle	7.6	2	2	15:58	29.7	7.64	18.2	6.46	4.91	2.2
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	14.2	3	1	15:58	29.7	7.7	18.3	6.44	4.97	4.4
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	14.2	3	2	15:58	29.6	7.72	18.3	6.46	4.96	3.2
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	1	15:40	29.8	7.65	18.3	6.41	4.89	2.6
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	2	15:40	29.7	7.68	18.3	6.44	4.91	3.1
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	IS13	Middle	5.4	2	1	15:40	29.8	7.73	18.3	6.3	4.95	2.2
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	IS13	Middle	5.4	2	2	15:40	29.8	7.77	18.3	6.34	4.97	2
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	9.8	3	1	15:40	29.7	7.76	18.4	6.08	5.21	3.3
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	9.8	3	2	15:40	29.7	7.74	18.4	6.11	5.18	2.9
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	1	16:16	29.7	7.63	18.3	6.64	4.87	3.3
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	2	16:16	29.6	7.64	18.2	6.6	4.9	3.5
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	IS14	Middle	7.1	2	1	16:16	29.7	7.7	18.3	6.2	4.97	3.9
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	IS14	Middle	7.1	2	2	16:16	29.7	7.72	18.3	6.16	4.96	3.5
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	13.2	3	1	16:16	29.6	7.74	18.3	6.14	5.11	3.2
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	13.2	3	2	16:16	29.6	7.74	18.4	6.11	5.14	2.8
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	1	15:22	29.7	7.64	18.2	6.59	5.03	3.4
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	2	15:22	29.8	7.67	18.1	6.55	5	2.2
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	IS15	Middle	5.7	2	1	15:22	29.8	7.72	18.2	6.04	5.04	3
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	IS15	Middle	5.7	2	2	15:22	29.7	7.69	18.3	6.07	5.04	2.9
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	10.3	3	1	15:22	29.7	7.73	18.3	5.59	5.09	3.1
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	10.3	3	2	15:22	29.7	7.75	18.3	5.63	5.03	2.7
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	1	14:53	29.8	7.64	18.2	6.89	4.87	3.2
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	2	14:53	29.8	7.64	18.2	6.86	4.84	2.7
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	1	14:53						
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	2	14:53						
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	3.8	3	1	14:53	29.8	7.69	18.3	6.37	5.09	3.2
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	3.8	3	2	14:53	29.7	7.71	18.3	6.34	5.14	2.4
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	1	15:08	29.8	7.64	18.2	6.74	5.01	3.2
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	2	15:08	29.8	7.63	18.2	6.77	4.97	2.2
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	SR9	Middle		2	1	15:08						
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	SR9	Middle		2	2	15:08						
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	SR9	Bottom	4	3	1	15:08	29.7	7.69	18.3	6.54	5.1	2.9
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	SR9	Bottom	4	3	2	15:08	29.7	7.7	18.3	6.5	5.14	2.7
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	1	14:21	29.7	7.73	18.2	6.98	4.94	3.5
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	2	14:21	29.8	7.71	18.2	6.95	4.92	2.9
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	7.2	2	1	14:21	29.7	7.73	18.3	6.6	5.1	2.8
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	7.2	2	2	14:21	29.7	7.74	18.2	6.55	5.13	3.5
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	13.3	3	1	14:21	29.8	7.79	18.3	6.27	5.3	2.5
TMCLKL	HY/2012/08	2014-07-21	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	13.3	3	2	14:21	29.7	7.81	18.4	6.23	5.26	3.1
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	CS4	Surface	1	1	1	07:23	29.8	7.68	18	6.68	4.99	3.5
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	CS4	Surface	1	1	2	07:23	29.9	7.7	18.1	6.67	4.95	2.3

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	CS4	Middle	10.8	2	1	07:23	29.7	7.79	18.2	6.6	5.02	3
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	CS4	Middle	10.8	2	2	07:23	29.8	7.8	18.2	6.58	5.08	2.8
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	CS4	Bottom	20.6	3	1	07:23	29.6	7.83	18.3	6.28	5.25	3.4
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	CS4	Bottom	20.6	3	2	07:23	29.7	7.8	18.4	6.3	5.28	2.8
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	CS6	Surface	1	1	1	10:25	29.9	7.68	18.1	6.86	4.88	3
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	CS6	Surface	1	1	2	10:25	29.8	7.7	18.1	6.85	4.87	3.6
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	CS6	Middle	7.6	2	1	10:25	29.7	7.73	18.2	6.42	4.96	2.9
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	CS6	Middle	7.6	2	2	10:25	29.7	7.71	18.1	6.4	4.99	3
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	CS6	Bottom	14.1	3	1	10:25	29.6	7.75	18.4	6.25	5.02	2.4
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	CS6	Bottom	14.1	3	2	10:25	29.6	7.78	18.3	6.23	5.07	3.2
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	IS12	Surface	1	1	1	07:56	29.8	7.56	18.1	6.85	4.82	2.8
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	IS12	Surface	1	1	2	07:56	29.9	7.6	18	6.82	4.85	2.5
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	IS12	Middle	7.5	2	1	07:56	29.7	7.62	18.2	6.55	4.96	3.3
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	IS12	Middle	7.5	2	2	07:56	29.7	7.65	18.2	6.56	5.02	2.8
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	IS12	Bottom	14	3	1	07:56	29.6	7.72	18.3	6.4	5.1	2.9
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	IS12	Bottom	14	3	2	07:56	29.6	7.74	18.4	6.38	5.12	2.2
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	IS13	Surface	1	1	1	08:14	29.9	7.66	18.1	6.5	4.96	2.8
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	IS13	Surface	1	1	2	08:14	29.8	7.64	18	6.52	4.95	2.5
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	IS13	Middle	5.4	2	1	08:14	29.7	7.7	18.2	6.4	4.99	2.7
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	IS13	Middle	5.4	2	2	08:14	29.8	7.73	18.2	6.41	5.02	2
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	IS13	Bottom	9.8	3	1	08:14	29.6	7.78	18.4	6.15	5.36	3.6
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	IS13	Bottom	9.8	3	2	08:14	29.7	7.3	18.3	6.2	5.39	2.4
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	IS14	Surface	1	1	1	07:39	29.8	7.68	18.1	6.67	4.95	2.5
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	IS14	Surface	1	1	2	07:39	29.9	7.79	18.1	6.68	4.94	3.7
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	IS14	Middle	7.1	2	1	07:39	29.7	7.73	18.2	6.27	5.06	2.1
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	IS14	Middle	7.1	2	2	07:39	29.8	7.73	18.2	6.28	5.11	3.2
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	IS14	Bottom	13.1	3	1	07:39	29.7	7.75	18.4	6.15	5.32	2.7
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	IS14	Bottom	13.1	3	2	07:39	29.6	7.76	18.3	6.13	5.36	3.4
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	IS15	Surface	1	1	1	08:34	29.9	7.65	18	6.55	5.01	2.8
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	IS15	Surface	1	1	2	08:34	29.8	7.63	18.1	6.53	5.03	3.5
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	IS15	Middle	5.7	2	1	08:34	29.8	7.71	18.2	6	5.06	2.5
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	IS15	Middle	5.7	2	2	08:34	29.7	7.72	18.3	5.99	5.1	2.5
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	IS15	Bottom	10.3	3	1	08:34	29.6	7.77	18.3	5.4	5.15	2.7
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	IS15	Bottom	10.3	3	2	08:34	29.7	7.78	18.4	5.43	5.21	3.8
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	SR8	Surface	1	1	1	09:06	29.9	7.63	18.1	6.83	4.96	2.5
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	SR8	Surface	1	1	2	09:06	29.8	7.66	18	6.84	4.94	3.3
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	SR8	Middle		2	1	09:06						
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	SR8	Middle		2	2	09:06						
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	SR8	Bottom	3.9	3	1	09:06	29.8	7.71	18.3	6.31	5.21	2.5
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	SR8	Bottom	3.9	3	2	09:06	29.8	7.75	18.2	6.33	5.19	3.5
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	SR9	Surface	1	1	1	08:50	29.8	7.59	18	6.71	4.88	3.4
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	SR9	Surface	1	1	2	08:50	29.9	7.63	18.1	6.7	4.86	3.2
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	SR9	Middle		2	1	08:50						
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	SR9	Middle		2	2	08:50						
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	SR9	Bottom	4	3	1	08:50	29.7	7.69	18.3	6.5	5.06	4.2
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	SR9	Bottom	4	3	2	08:50	29.8	7.66	18.2	6.47	5.1	2.9
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	SR10A	Surface	1	1	1	09:41	29.9	7.7	18.1	6.92	5	4
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	SR10A	Surface	1	1	2	09:41	29.9	7.69	18	6.97	4.99	3
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	SR10A	Middle	7.2	2	1	09:41	29.8	7.75	18.2	6.66	5.16	2.8
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	SR10A	Middle	7.2	2	2	09:41	29.7	7.72	18.2	6.69	5.14	2.6
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	SR10A	Bottom	13.3	3	1	09:41	29.7	7.78	18.3	6.23	5.36	3.3
TMCLKL	HY/2012/08	2014-07-21	Mid-Ebb	Fine	Small Wave	SR10A	Bottom	13.3	3	2	09:41	29.6	7.76	18.4	6.25	5.39	3.2
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	CS4	Surface	1	1	1	18:30	30	7.74	18.2	6.74	3.55	2.8
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	CS4	Surface	1	1	2	18:30	29.9	7.72	18.2	6.76	3.58	4.2
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	CS4	Middle	11	2	1	18:30	29.8	7.8	18.3	6.61	3.66	4.1
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	CS4	Middle	11	2	2	18:30	29.9	7.82	18.3	6.62	3.7	3.4
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	CS4	Bottom	21	3	1	18:30	29.8	7.84	18.3	6.29	3.77	3.1
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	CS4	Bottom	21	3	2	18:30	29.8	7.86	18.3	6.28	3.75	5.1

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	CS6	Surface	1	1	1	16:16	30.1	7.66	18.2	6.88	3.48	3.7
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	CS6	Surface	1	1	2	16:16	30.1	7.69	18.2	6.84	3.49	2.1
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	CS6	Middle	7.7	2	1	16:16	30	7.71	18.2	6.61	3.81	2.4
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	CS6	Middle	7.7	2	2	16:16	30	7.73	18.3	6.58	3.8	2.2
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	CS6	Bottom	14.3	3	1	16:16	29.9	7.8	18.3	6.3	3.85	4.2
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	CS6	Bottom	14.3	3	2	16:16	29.8	7.76	18.3	6.28	3.89	3.4
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	IS12	Surface	1	1	1	17:58	30	7.63	18.1	6.64	3.84	3.1
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	IS12	Surface	1	1	2	17:58	30	7.65	18.1	6.62	3.8	3
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	IS12	Middle	7.7	2	1	17:58	29.9	7.72	18.2	6.34	3.92	3
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	IS12	Middle	7.7	2	2	17:58	29.8	7.71	18.1	6.33	3.9	2.5
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	IS12	Bottom	14.3	3	1	17:58	29.9	7.78	18.2	6.08	3.93	3.2
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	IS12	Bottom	14.3	3	2	17:58	29.8	7.77	18.2	6.1	3.9	3.1
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	IS13	Surface	1	1	1	17:43	29.9	7.74	18.2	6.33	3.9	3
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	IS13	Surface	1	1	2	17:43	29.9	7.76	18.2	6.36	3.92	3.1
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	IS13	Middle	5.4	2	1	17:43	29.9	7.64	18.2	6.32	3.94	2.4
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	IS13	Middle	5.4	2	2	17:43	29.8	7.66	18.2	6.3	3.97	2.4
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	IS13	Bottom	9.8	3	1	17:43	29.8	7.71	18.3	6.1	3.99	3.1
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	IS13	Bottom	9.8	3	2	17:43	29.7	7.74	18.2	6.12	4.02	2.4
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	IS14	Surface	1	1	1	18:14	29.9	7.64	18.2	6.6	3.8	2.3
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	IS14	Surface	1	1	2	18:14	29.8	7.65	18.2	6.64	3.84	3.6
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	IS14	Middle	7.1	2	1	18:14	30	7.7	18.2	6.21	3.88	3.4
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	IS14	Middle	7.1	2	2	18:14	29.9	7.71	18.2	6.22	3.86	2.3
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	IS14	Bottom	13.2	3	1	18:14	29.9	7.74	18.3	6.08	3.82	2.8
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	IS14	Bottom	13.2	3	2	18:14	29.8	7.74	18.2	6.1	3.84	3.4
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	IS15	Surface	1	1	1	17:27	30	7.7	18.2	6.5	4.2	4.1
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	IS15	Surface	1	1	2	17:27	30	7.72	18.2	6.54	4.22	4.6
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	IS15	Middle	5.7	2	1	17:27	29.9	7.76	18.3	5.8	4.3	4.3
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	IS15	Middle	5.7	2	2	17:27	29.9	7.77	18.3	5.82	4.33	4.6
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	IS15	Bottom	10.4	3	1	17:27	29.8	7.71	18.3	5.53	4.35	3.2
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	IS15	Bottom	10.4	3	2	17:27	29.8	7.68	18.3	5.5	4.38	3.8
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	SR8	Surface	1	1	1	17:03	30	7.74	18.2	6.64	3.89	2.6
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	SR8	Surface	1	1	2	17:03	30.1	7.7	18.2	6.66	3.91	2.4
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	SR8	Middle		2	1	17:03						
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	SR8	Middle		2	2	17:03						
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	SR8	Bottom	4.1	3	1	17:03	29.9	7.67	18.2	6.17	3.84	2
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	SR8	Bottom	4.1	3	2	17:03	29.9	7.64	18.2	6.14	3.87	2
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	SR9	Surface	1	1	1	17:15	30	7.71	18.2	6.58	4.07	2.8
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	SR9	Surface	1	1	2	17:15	29.9	7.72	18.2	6.6	4.08	2.3
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	SR9	Middle		2	1	17:15						
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	SR9	Middle		2	2	17:15						
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	SR9	Bottom	4.2	3	1	17:15	29.9	7.69	18.3	6.4	4.21	2.5
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	SR9	Bottom	4.2	3	2	17:15	29.8	7.73	18.3	6.44	4.22	2.8
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	SR10A	Surface	1	1	1	16:40	30.1	7.76	18.2	6.9	3.61	2.6
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	SR10A	Surface	1	1	2	16:40	30.1	7.77	18.1	6.92	3.6	4.1
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	SR10A	Middle	7.3	2	1	16:40	30	7.75	18.3	6.54	3.64	3.7
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	SR10A	Middle	7.3	2	2	16:40	30.1	7.76	18.3	6.58	3.66	3.5
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	SR10A	Bottom	13.5	3	1	16:40	30	7.69	18.2	6.12	3.74	2.5
TMCLKL	HY/2012/08	2014-07-23	Mid-Flood	Sunny	Small Wave	SR10A	Bottom	13.5	3	2	16:40	30	7.71	18.3	6.11	3.76	2.7
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	CS4	Surface	1	1	1	09:33	30.1	7.7	18.2	6.73	3.64	3.1
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	CS4	Surface	1	1	2	09:33	30	7.71	18.3	6.7	3.67	3.7
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	CS4	Middle	10.8	2	1	09:33	30	7.74	18.3	6.56	3.55	3
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	CS4	Middle	10.8	2	2	09:33	30	7.76	18.4	6.54	3.53	3.4
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	CS4	Bottom	20.6	3	1	09:33	29.9	7.78	18.4	6.29	3.68	3
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	CS4	Bottom	20.6	3	2	09:33	29.9	7.77	18.4	6.26	3.72	2.8
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	CS6	Surface	1	1	1	12:25	30.1	7.67	18.3	6.94	3.57	3.2
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	CS6	Surface	1	1	2	12:25	30.1	7.72	18.2	6.96	3.59	3.2
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	CS6	Middle	7.6	2	1	12:25	30	7.74	18.2	6.54	3.73	4.9

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	CS6	Middle	7.6	2	2	12:25	30	7.75	18.3	6.56	3.7	4.1
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	CS6	Bottom	14.1	3	1	12:25	29.8	7.77	18.3	6.32	3.84	4.1
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	CS6	Bottom	14.1	3	2	12:25	29.9	7.78	18.3	6.3	3.86	3.7
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	IS12	Surface	1	1	1	10:15	30.1	7.64	18.2	6.64	3.94	2.9
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	IS12	Surface	1	1	2	10:15	30	7.62	18.1	6.68	3.98	2.4
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	IS12	Middle	7.5	2	1	10:15	30	7.7	18.2	6.19	4.01	2.9
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	IS12	Middle	7.5	2	2	10:15	30	7.72	18.2	6.22	4.04	2.6
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	IS12	Bottom	14	3	1	10:15	29.9	7.69	18.2	6.14	3.97	4.9
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	IS12	Bottom	14	3	2	10:15	29.8	7.71	18.3	6.17	3.98	5.2
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	IS13	Surface	1	1	1	10:35	30.1	7.74	18.2	6.33	4.01	2.3
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	IS13	Surface	1	1	2	10:35	30.1	7.76	18.2	6.3	3.98	2.6
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	IS13	Middle	5.4	2	1	10:35	30.1	7.69	18.3	6.3	4.08	2.8
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	IS13	Middle	5.4	2	2	10:35	30.2	7.68	18.3	6.28	4.14	3
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	IS13	Bottom	9.8	3	1	10:35	30	7.78	18.3	6.14	4.23	2.7
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	IS13	Bottom	9.8	3	2	10:35	29.9	7.79	18.3	6.12	4.21	2.5
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	IS14	Surface	1	1	1	09:55	30	7.6	18.3	6.61	3.87	2.7
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	IS14	Surface	1	1	2	09:55	30	7.61	18.2	6.59	3.89	2.7
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	IS14	Middle	7	2	1	09:55	29.9	7.72	18.3	6.14	3.94	2.5
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	IS14	Middle	7	2	2	09:55	29.8	7.74	18.4	6.12	3.89	2.9
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	IS14	Bottom	12.9	3	1	09:55	29.9	7.76	18.4	6	3.94	2.6
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	IS14	Bottom	12.9	3	2	09:55	29.9	7.76	18.4	6.03	3.97	2.1
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	IS15	Surface	1	1	1	10:55	30.1	7.74	18.2	6.45	4.32	3.6
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	IS15	Surface	1	1	2	10:55	30.1	7.72	18.2	6.42	4.3	3.7
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	IS15	Middle	5.7	2	1	10:55	30	7.78	18.3	5.74	4.37	3.2
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	IS15	Middle	5.7	2	2	10:55	30	7.72	18.3	5.76	4.35	3.3
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	IS15	Bottom	10.3	3	1	10:55	30	7.63	18.3	5.39	4.49	4.1
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	IS15	Bottom	10.3	3	2	10:55	30	7.67	18.3	5.42	4.52	2.5
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	SR8	Surface	1	1	1	11:33	30.1	7.7	18.1	6.74	3.87	4.8
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	SR8	Surface	1	1	2	11:33	30.1	7.72	18.1	6.7	3.86	5.3
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	SR8	Middle		2	1	11:33						
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	SR8	Middle		2	2	11:33						
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	SR8	Bottom	3.8	3	1	11:33	30.1	7.68	18.1	6.1	3.99	4.3
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	SR8	Bottom	3.8	3	2	11:33	30	7.72	18.2	6.12	4.01	4.7
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	SR9	Surface	1	1	1	11:15	30.2	7.73	18.2	6.54	4.24	5.2
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	SR9	Surface	1	1	2	11:15	30.1	7.75	18.2	6.5	4.28	4.6
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	SR9	Middle		2	1	11:15						
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	SR9	Middle		2	2	11:15						
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	SR9	Bottom	4	3	1	11:15	30.1	7.67	18.3	6.37	4.35	3.9
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	SR9	Bottom	4	3	2	11:15	30	7.64	18.2	6.39	4.32	4.6
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	SR10A	Surface	1	1	1	11:57	30.1	7.78	18.2	6.94	3.64	3.4
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	SR10A	Surface	1	1	2	11:57	30.1	7.76	18.2	6.9	3.69	4.2
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	SR10A	Middle	7.1	2	1	11:57	30	7.74	18.2	6.62	3.74	2.7
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	SR10A	Middle	7.1	2	2	11:57	30	7.76	18.3	6.6	3.78	2.9
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	SR10A	Bottom	13.2	3	1	11:57	29.8	7.67	18.3	6.14	3.88	3.8
TMCLKL	HY/2012/08	2014-07-23	Mid-Ebb	Sunny	Small Wave	SR10A	Bottom	13.2	3	2	11:57	29.8	7.64	18.3	6.09	3.89	2.2
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	CS4	Surface	1	1	1	20:20	29.3	7.66	18.2	6.65	3.31	3.4
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	CS4	Surface	1	1	2	20:20	29.4	7.62	18.1	6.7	3.3	3.3
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	CS4	Middle	11.7	2	1	20:20	29.5	7.69	18.3	6.5	3.44	8.2
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	CS4	Middle	11.7	2	2	20:20	29.3	7.73	18.3	6.47	3.48	7.6
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	22.4	3	1	20:20	29.2	7.8	18.4	6.39	3.59	10.8
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	22.4	3	2	20:20	29.3	7.79	18.4	6.35	3.63	10.4
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	1	17:31	29.2	7.65	18.2	6.43	3.25	9.7
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	2	17:31	29.5	7.61	18.3	6.47	3.3	9.6
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	CS6	Middle	7	2	1	17:31	29.4	7.7	18.5	6.3	3.43	9.6
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	CS6	Middle	7	2	2	17:31	29.4	7.72	18.4	6.34	3.46	9.9
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	CS6	Bottom	12.9	3	1	17:31	29.3	7.76	18.5	6.17	3.54	10.7
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	CS6	Bottom	12.9	3	2	17:31	29.3	7.76	18.6	6.14	3.58	10.6

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	IS12	Surface	1	1	1	19:34	29.3	7.78	18.2	6.53	3.51	4.3
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	IS12	Surface	1	1	2	19:34	29.5	7.75	18.2	6.5	3.47	4
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	IS12	Middle	7.8	2	1	19:34	29.2	7.79	18.3	6.59	3.62	4.6
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	IS12	Middle	7.8	2	2	19:34	29.2	7.8	18.3	6.63	3.65	4.5
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	14.6	3	1	19:34	29.1	7.84	18.5	6.67	3.78	6.1
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	14.6	3	2	19:34	29.1	7.87	18.4	6.64	3.79	7.2
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	1	19:16	29.3	7.62	18	6.48	3.56	5.3
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	2	19:16	29.3	7.61	18	6.45	3.57	5.3
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	IS13	Middle	6.3	2	1	19:16	29.4	7.7	18.2	6.57	3.62	5.9
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	IS13	Middle	6.3	2	2	19:16	29.2	7.72	18.1	6.54	3.65	6.4
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	11.6	3	1	19:16	29.1	7.76	18.3	6.63	3.75	8
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	11.6	3	2	19:16	29.1	7.79	18.3	6.66	3.77	7.8
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	1	19:55	29.4	7.72	18.1	6.41	3.49	4
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	2	19:55	29.4	7.7	18	6.46	3.55	4.1
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	IS14	Middle	8.4	2	1	19:55	29.2	7.75	18.2	6.32	3.64	6.3
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	IS14	Middle	8.4	2	2	19:55	29.3	7.78	18.2	6.35	3.6	6.2
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	15.8	3	1	19:55	29.2	7.83	18.3	6.12	3.71	10.4
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	15.8	3	2	19:55	29.2	7.8	18.3	6.15	3.7	10.9
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	1	18:54	29.4	7.68	18	6.34	3.48	5
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	2	18:54	29.4	7.69	17.9	6.3	3.53	4.7
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	IS15	Middle	6	2	1	18:54	29.3	7.74	18.1	6.11	3.58	5.9
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	IS15	Middle	6	2	2	18:54	29.2	7.7	18.2	6.08	3.57	5.8
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	11	3	1	18:54	29.3	7.79	18.3	5.92	3.71	8.1
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	11	3	2	18:54	29.3	7.77	18.3	5.97	3.76	8.5
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	1	18:13	29.4	7.74	18	6.38	3.57	7.6
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	2	18:13	29.2	7.73	18	6.36	3.56	7.8
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	1	18:13						
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	2	18:13						
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.7	3	1	18:13	29.3	7.79	18.1	6.3	3.66	8.9
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.7	3	2	18:13	29.3	7.79	18	6.26	3.69	8.7
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	1	18:34	29.3	7.74	18.1	6.43	3.38	4
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	2	18:34	29.3	7.7	18.1	6.42	3.41	4
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	SR9	Middle		2	1	18:34						
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	SR9	Middle		2	2	18:34						
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	SR9	Bottom	4.8	3	1	18:34	29.4	7.79	18.3	6.31	3.47	11.2
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	SR9	Bottom	4.8	3	2	18:34	29.4	7.82	18.2	6.27	3.5	12.1
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	1	17:52	29.3	7.62	18.1	6.52	3.36	2.7
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	2	17:52	29.6	7.63	18.2	6.55	3.42	2.8
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	7.4	2	1	17:52	29.4	7.71	18.3	6.43	3.5	2.7
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	7.4	2	2	17:52	29.4	7.75	18.3	6.4	3.53	3.5
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	13.8	3	1	17:52	29.3	7.79	18.4	6.11	3.64	6.4
TMCLKL	HY/2012/08	2014-07-25	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	13.8	3	2	17:52	29.2	7.78	18.3	6.15	3.61	6.5
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	CS4	Surface	1	1	1	10:34	29.4	7.69	18.4	6.56	3.39	9.3
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	CS4	Surface	1	1	2	10:34	29.5	7.68	18.3	6.59	3.4	8.8
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	CS4	Middle	12	2	1	10:34	29.7	7.73	18.5	6.4	3.51	9.4
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	CS4	Middle	12	2	2	10:34	29.5	7.75	18.5	6.38	3.53	10.2
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	CS4	Bottom	22	3	1	10:34	29.4	7.84	18.5	6.29	3.68	11.5
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	CS4	Bottom	22	3	2	10:34	29.4	7.83	18.6	6.27	3.7	11.1
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	CS6	Surface	1	1	1	13:44	29.4	7.68	18.4	6.33	3.33	5.4
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	CS6	Surface	1	1	2	13:44	29.6	7.64	18.4	6.35	3.36	5.2
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	CS6	Middle	6.8	2	1	13:44	29.5	7.72	18.6	6.21	3.5	6.6
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	CS6	Middle	6.8	2	2	13:44	29.5	7.74	18.5	6.23	3.52	6.3
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	CS6	Bottom	12.5	3	1	13:44	29.4	7.77	18.7	6.1	3.61	8
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	CS6	Bottom	12.5	3	2	13:44	29.5	7.79	18.8	6.07	3.65	7.9
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	IS12	Surface	1	1	1	11:15	29.4	7.81	18.4	6.42	3.59	6
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	IS12	Surface	1	1	2	11:15	29.6	7.79	18.4	6.4	3.58	5.9
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	IS12	Middle	7.6	2	1	11:15	29.4	7.83	18.4	6.5	3.72	8.9

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	IS12	Middle	7.6	2	2	11:15	29.4	7.84	18.4	6.52	3.74	8.5
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	IS12	Bottom	14.2	3	1	11:15	29.3	7.87	18.6	6.58	3.88	12.6
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	IS12	Bottom	14.2	3	2	11:15	29.3	7.9	18.5	6.57	3.9	11.2
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	IS13	Surface	1	1	1	11:36	29.4	7.64	18.2	6.39	3.64	8.6
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	IS13	Surface	1	1	2	11:36	29.4	7.63	18.2	6.37	3.66	8.2
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	IS13	Middle	6.1	2	1	11:36	29.6	7.73	18.4	6.47	3.71	10.7
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	IS13	Middle	6.1	2	2	11:36	29.4	7.75	18.3	6.46	3.73	10.6
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	11.2	3	1	11:36	29.3	7.79	18.4	6.52	3.84	11
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	11.2	3	2	11:36	29.3	7.82	18.5	6.54	3.85	10.5
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	IS14	Surface	1	1	1	10:55	29.6	7.74	18.3	6.31	3.58	8.7
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	IS14	Surface	1	1	2	10:55	29.6	7.73	18.2	6.35	3.62	9
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	IS14	Middle	8.2	2	1	10:55	29.4	7.79	18.4	6.21	3.52	10
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	IS14	Middle	8.2	2	2	10:55	29.4	7.81	18.5	6.23	3.5	9.1
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	IS14	Bottom	15.3	3	1	10:55	29.4	7.86	18.4	6.02	3.79	11
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	IS14	Bottom	15.3	3	2	10:55	29.3	7.85	18.5	6.04	3.8	11.5
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	IS15	Surface	1	1	1	12:00	29.6	7.71	18.2	6.22	3.54	4.9
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	IS15	Surface	1	1	2	12:00	29.7	7.73	18.1	6.2	3.58	4.4
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	IS15	Middle	6.1	2	1	12:00	29.5	7.78	18.3	6.01	3.67	6.5
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	IS15	Middle	6.1	2	2	12:00	29.4	7.74	18.5	5.99	3.68	6.7
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	IS15	Bottom	11.1	3	1	12:00	29.4	7.83	18.5	5.81	3.79	9.4
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	IS15	Bottom	11.1	3	2	12:00	29.4	7.8	18.5	5.85	3.82	10.6
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	SR8	Surface	1	1	1	12:53	29.5	7.77	18.2	6.29	3.65	5
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	SR8	Surface	1	1	2	12:53	29.4	7.76	18.3	6.28	3.66	5.4
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	SR8	Middle		2	1	12:53						
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	SR8	Middle		2	2	12:53						
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	SR8	Bottom	4.2	3	1	12:53	29.5	7.81	18.4	6.22	3.74	9.4
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	SR8	Bottom	4.2	3	2	12:53	29.5	7.81	18.3	6.19	3.76	9.5
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	SR9	Surface	1	1	1	12:25	29.5	7.77	18.3	6.32	3.47	4.8
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	SR9	Surface	1	1	2	12:25	29.5	7.74	18.4	6.32	3.5	5
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	SR9	Middle		2	1	12:25						
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	SR9	Middle		2	2	12:25						
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	SR9	Bottom	4.4	3	1	12:25	29.6	7.82	18.5	6.23	3.56	5.1
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	SR9	Bottom	4.4	3	2	12:25	29.5	7.84	18.4	6.21	3.58	4.5
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	SR10A	Surface	1	1	1	13:19	29.5	7.64	18.3	6.43	3.43	5.9
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	SR10A	Surface	1	1	2	13:19	29.8	7.66	18.5	6.44	3.47	5.7
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	7.2	2	1	13:19	29.5	7.73	18.5	6.32	3.58	5.9
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	7.2	2	2	13:19	29.6	7.76	18.5	6.3	3.59	6
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	SR10A	Bottom	13.3	3	1	13:19	29.4	7.82	18.6	6.01	3.72	6.2
TMCLKL	HY/2012/08	2014-07-25	Mid-Ebb	Cloudy	Small Wave	SR10A	Bottom	13.3	3	2	13:19	29.4	7.8	18.5	6.03	3.71	5.6
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	CS4	Surface	1	1	1	21:40	29.7	7.72	18.5	6.56	4.34	3.3
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	CS4	Surface	1	1	2	21:40	29.6	7.74	18.6	6.59	4.35	3.7
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	CS4	Middle	11.8	2	1	21:40	29.6	7.78	18.7	6.41	4.48	3.1
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	CS4	Middle	11.8	2	2	21:40	29.6	7.76	18.6	6.4	4.46	2.3
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	CS4	Bottom	22.6	3	1	21:40	29.4	7.86	18.7	6.31	4.63	3.7
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	CS4	Bottom	22.6	3	2	21:40	29.3	7.88	18.8	6.33	4.66	4.7
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	CS6	Surface	1	1	1	19:00	29.9	7.72	18.5	6.32	4.28	2.8
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	CS6	Surface	1	1	2	19:00	29.8	7.68	18.6	6.34	4.3	3.7
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	CS6	Middle	6.8	2	1	19:00	29.7	7.74	18.7	6.21	4.44	4
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	CS6	Middle	6.8	2	2	19:00	29.6	7.77	18.8	6.23	4.45	4.3
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	CS6	Bottom	12.6	3	1	19:00	29.7	7.83	18.9	6.13	4.57	6
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	CS6	Bottom	12.6	3	2	19:00	29.7	7.82	19	6.11	4.59	5.9
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	IS12	Surface	1	1	1	21:00	29.7	7.84	18.5	6.39	4.53	4.1
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	IS12	Surface	1	1	2	21:00	29.7	7.82	18.6	6.4	4.55	2.5
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	IS12	Middle	7.5	2	1	21:00	29.6	7.86	18.7	6.52	4.67	3.6
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	IS12	Middle	7.5	2	2	21:00	29.5	7.89	18.6	6.54	4.69	5
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	IS12	Bottom	14	3	1	21:00	29.5	7.92	18.7	6.58	4.82	3.9
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	IS12	Bottom	14	3	2	21:00	29.4	7.94	18.7	6.57	4.85	4.4

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	IS13	Surface	1	1	1	20:40	29.6	7.67	18.3	6.39	4.6	4.3
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	IS13	Surface	1	1	2	20:40	29.6	7.69	18.4	6.37	4.61	4.7
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	IS13	Middle	6.2	2	1	20:40	29.6	7.75	18.5	6.46	4.65	5.4
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	IS13	Middle	6.2	2	2	20:40	29.7	7.78	18.6	6.48	4.68	4.9
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	IS13	Bottom	11.4	3	1	20:40	29.4	7.81	18.6	6.54	4.82	5.1
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	IS13	Bottom	11.4	3	2	20:40	29.5	7.84	18.7	6.55	4.8	5.7
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	IS14	Surface	1	1	1	21:20	29.8	7.79	18.4	6.34	4.52	4.5
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	IS14	Surface	1	1	2	21:20	29.7	7.77	18.5	6.35	4.54	5.5
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	IS14	Middle	8.1	2	1	21:20	29.5	7.82	18.6	6.21	4.47	4.7
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	IS14	Middle	8.1	2	2	21:20	29.6	7.84	18.7	6.22	4.44	5.7
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	IS14	Bottom	15.2	3	1	21:20	29.3	7.91	18.7	6.02	4.73	5.1
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	IS14	Bottom	15.2	3	2	21:20	29.4	7.89	18.7	6.04	4.75	5.5
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	IS15	Surface	1	1	1	20:20	29.8	7.74	18.4	6.21	4.51	4.4
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	IS15	Surface	1	1	2	20:20	29.9	7.76	18.3	6.23	4.53	5.1
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	IS15	Middle	6.1	2	1	20:20	29.7	7.84	18.5	6.04	4.62	3.5
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	IS15	Middle	6.1	2	2	20:20	29.7	7.81	18.6	6.02	4.63	3.5
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	IS15	Bottom	11.2	3	1	20:20	29.6	7.85	18.7	5.84	4.72	3.4
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	IS15	Bottom	11.2	3	2	20:20	29.5	7.83	18.7	5.85	4.76	3.9
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	SR8	Surface	1	1	1	19:40	29.7	7.81	18.4	6.32	4.61	4
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	SR8	Surface	1	1	2	19:40	29.7	7.83	18.5	6.31	4.63	4
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	SR8	Middle		2	1	19:40						
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	SR8	Middle		2	2	19:40						
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	SR8	Bottom	4.2	3	1	19:40	29.6	7.84	18.6	6.24	4.72	2.5
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	SR8	Bottom	4.2	3	2	19:40	29.6	7.86	18.5	6.22	4.7	2.2
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	SR9	Surface	1	1	1	20:00	29.7	7.83	18.5	6.32	4.42	3
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	SR9	Surface	1	1	2	20:00	29.6	7.81	18.6	6.35	4.45	3.9
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	SR9	Middle		2	1	20:00						
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	SR9	Middle		2	2	20:00						
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	SR9	Bottom	4.6	3	1	20:00	29.8	7.85	18.7	6.23	4.51	3.7
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	SR9	Bottom	4.6	3	2	20:00	29.8	7.87	18.7	6.21	4.52	3.4
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	SR10A	Surface	1	1	1	19:20	29.8	7.67	18.5	6.43	4.38	3
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	SR10A	Surface	1	1	2	19:20	29.8	7.69	18.6	6.46	4.41	2.5
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	SR10A	Middle	6.8	2	1	19:20	29.8	7.71	18.6	6.33	4.54	2.7
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	SR10A	Middle	6.8	2	2	19:20	29.8	7.75	18.7	6.31	4.51	2.1
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	SR10A	Bottom	13.5	3	1	19:20	29.5	7.85	18.7	6.04	4.65	2.5
TMCLKL	HY/2012/08	2014-07-28	Mid-Flood	Fine	Small Wave	SR10A	Bottom	13.5	3	2	19:20	29.6	7.84	18.8	6.02	4.68	3.3
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	CS4	Surface	1	1	1	12:17	29.6	7.63	18.4	6.47	4.45	3
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	CS4	Surface	1	1	2	12:17	29.5	7.62	18.5	6.5	4.46	2.2
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	CS4	Middle	11.3	2	1	12:17	29.5	7.67	18.6	6.31	4.57	2.5
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	CS4	Middle	11.3	2	2	12:17	29.4	7.69	18.5	6.29	4.59	3.4
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	CS4	Bottom	21.6	3	1	12:17	29.3	7.78	18.6	6.2	4.74	4.5
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	CS4	Bottom	21.6	3	2	12:17	29.2	7.77	18.7	6.18	4.76	3.8
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	CS6	Surface	1	1	1	15:27	29.8	7.62	18.4	6.24	4.39	3.8
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	CS6	Surface	1	1	2	15:27	29.7	7.58	18.5	6.26	4.42	2.8
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	CS6	Middle	6.6	2	1	15:27	29.6	7.66	18.6	6.12	4.56	2.5
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	CS6	Middle	6.6	2	2	15:27	29.5	7.68	18.7	6.14	4.58	2.4
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	CS6	Bottom	12.2	3	1	15:27	29.6	7.71	18.8	6.01	4.67	2.3
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	CS6	Bottom	12.2	3	2	15:27	29.5	7.73	18.9	5.98	4.71	3.8
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	IS12	Surface	1	1	1	13:03	29.6	7.75	18.4	6.33	4.65	2.8
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	IS12	Surface	1	1	2	13:03	29.6	7.73	18.5	6.31	4.64	3.4
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	IS12	Middle	7.3	2	1	13:03	29.5	7.77	18.6	6.41	4.78	4.6
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	IS12	Middle	7.3	2	2	13:03	29.4	7.78	18.5	6.43	4.8	3.7
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	IS12	Bottom	13.6	3	1	13:03	29.4	7.81	18.6	6.49	4.94	3.5
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	IS12	Bottom	13.6	3	2	13:03	29.3	7.84	18.7	6.48	4.96	2.9
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	IS13	Surface	1	1	1	13:27	29.5	7.58	18.2	6.3	4.7	2.4
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	IS13	Surface	1	1	2	13:27	29.4	7.57	18.3	6.28	4.72	2.4
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	IS13	Middle	6	2	1	13:27	29.5	7.67	18.4	6.38	4.77	2.6

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	IS13	Middle	6	2	2	13:27	29.6	7.69	18.5	6.37	4.79	3
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	IS13	Bottom	11	3	1	13:27	29.4	7.73	18.5	6.43	4.9	3.7
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	IS13	Bottom	11	3	2	13:27	29.3	7.76	18.6	6.45	4.91	2.2
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	IS14	Surface	1	1	1	12:39	29.7	7.68	18.3	6.22	4.64	3.4
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	IS14	Surface	1	1	2	12:39	29.6	7.67	18.4	6.26	4.68	3.9
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	IS14	Middle	7.9	2	1	12:39	29.4	7.73	18.5	6.12	4.58	3.7
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	IS14	Middle	7.9	2	2	12:39	29.5	7.75	18.6	6.14	4.56	3.7
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	IS14	Bottom	14.8	3	1	12:39	29.2	7.8	18.6	5.93	4.85	4.4
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	IS14	Bottom	14.8	3	2	12:39	29.3	7.79	18.5	5.95	4.86	2.2
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	IS15	Surface	1	1	1	13:51	29.7	7.65	18.2	6.13	4.6	2.7
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	IS15	Surface	1	1	2	13:51	29.8	7.67	18.3	6.11	4.64	2.4
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	IS15	Middle	5.9	2	1	13:51	29.6	7.72	18.4	5.92	4.73	2.6
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	IS15	Middle	5.9	2	2	13:51	29.5	7.68	18.5	5.9	4.74	2.8
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	IS15	Bottom	10.8	3	1	13:51	29.5	7.77	18.6	5.72	4.85	4.8
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	IS15	Bottom	10.8	3	2	13:51	29.4	7.74	18.5	5.76	4.88	4.7
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	SR8	Surface	1	1	1	14:39	29.6	7.71	18.3	6.2	4.71	3.2
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	SR8	Surface	1	1	2	14:39	29.5	7.7	18.4	6.19	4.72	2.2
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	SR8	Middle		2	1	14:39						
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	SR8	Middle		2	2	14:39						
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	SR8	Bottom	3.8	3	1	14:39	29.5	7.75	18.4	6.13	4.8	2.6
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	SR8	Bottom	3.8	3	2	14:39	29.4	7.74	18.5	6.1	4.82	2.6
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	SR9	Surface	1	1	1	14:15	29.6	7.71	18.4	6.23	4.53	3.8
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	SR9	Surface	1	1	2	14:15	29.5	7.68	18.5	6.28	4.56	3.7
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	SR9	Middle		2	1	14:15						
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	SR9	Middle		2	2	14:15						
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	SR9	Bottom	4.2	3	1	14:15	29.7	7.76	18.6	6.14	4.62	3.4
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	SR9	Bottom	4.2	3	2	14:15	29.6	7.78	18.5	6.12	4.64	5
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	SR10A	Surface	1	1	1	15:03	29.7	7.58	18.4	6.34	4.49	2.9
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	SR10A	Surface	1	1	2	15:03	29.7	7.6	18.5	6.35	4.53	3.7
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	SR10A	Middle	7	2	1	15:03	29.7	7.63	18.5	6.23	4.64	2.4
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	SR10A	Middle	7	2	2	15:03	29.6	7.7	18.6	6.21	4.65	3.9
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	SR10A	Bottom	13	3	1	15:03	29.4	7.76	18.6	5.92	4.78	2.8
TMCLKL	HY/2012/08	2014-07-28	Mid-Ebb	Fine	Small Wave	SR10A	Bottom	13	3	2	15:03	29.5	7.74	18.7	5.94	4.77	2.9
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	CS4	Surface	1	1	1	09:45	28.3	7.7	18.6	6.44	3.89	2.1
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	CS4	Surface	1	1	2	09:45	28.2	7.76	18.6	6.4	3.87	1.6
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	CS4	Middle	11.8	2	1	09:45	28.2	7.76	18.6	6.33	3.9	2.1
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	CS4	Middle	11.8	2	2	09:45	28.1	7.72	18.5	6.36	3.86	2.4
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	CS4	Bottom	22.5	3	1	09:45	28	7.83	18.8	6.3	4	2.7
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	CS4	Bottom	22.5	3	2	09:45	28	7.85	18.7	6.27	3.98	2.8
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	CS6	Surface	1	1	1	07:04	27.5	7.66	18.6	6.54	3.74	3.2
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	CS6	Surface	1	1	2	07:04	27.4	7.68	18.6	6.52	3.8	3
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	CS6	Middle	6.8	2	1	07:04	27.4	7.72	18.8	6.27	3.84	3.3
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	CS6	Middle	6.8	2	2	07:04	27.4	7.7	18.8	6.29	3.85	3.1
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	CS6	Bottom	12.5	3	1	07:04	27.4	7.76	18.9	6.19	3.9	3.8
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	CS6	Bottom	12.5	3	2	07:04	27.5	7.78	19	6.21	3.86	3.8
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	IS12	Surface	1	1	1	09:02	28	7.76	18.5	6.33	3.81	3
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	IS12	Surface	1	1	2	09:02	28.1	7.75	18.5	6.35	3.82	3.6
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	IS12	Middle	7.5	2	1	09:02	27.9	7.76	18.6	6.44	3.89	4.4
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	IS12	Middle	7.5	2	2	09:02	27.9	7.79	18.6	6.48	3.86	4.4
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	IS12	Bottom	14	3	1	09:02	28	7.81	18.6	6.41	4.14	5.4
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	IS12	Bottom	14	3	2	09:02	27.9	7.81	18.6	6.42	4.1	6.8
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	IS13	Surface	1	1	1	08:42	28.1	7.6	18.6	6.22	3.99	4.1
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	IS13	Surface	1	1	2	08:42	28	7.62	18.6	6.2	4.01	3.7
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	IS13	Middle	6.2	2	1	08:42	27.8	7.73	18.5	6.37	3.96	5.6
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	IS13	Middle	6.2	2	2	08:42	27.9	7.72	18.6	6.4	3.92	6
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	IS13	Bottom	11.3	3	1	08:42	27.9	7.76	18.7	6.34	4.04	6.2
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	IS13	Bottom	11.3	3	2	08:42	27.8	7.74	18.6	6.3	4	6.9

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	IS14	Surface	1	1	1	09:22	28.1	7.82	18.5	6.24	3.78	2.2
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	IS14	Surface	1	1	2	09:22	28.2	7.8	18.6	6.26	3.82	2.2
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	IS14	Middle	8.1	2	1	09:22	28	7.76	18.5	6.2	3.92	4.8
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	IS14	Middle	8.1	2	2	09:22	27.9	7.75	18.6	6.18	3.94	5
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	IS14	Bottom	15.1	3	1	09:22	27.8	7.82	18.7	6.02	4.18	5.1
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	IS14	Bottom	15.1	3	2	09:22	27.9	7.84	18.6	6.04	4.2	5.2
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	IS15	Surface	1	1	1	08:21	27.8	7.72	18.5	6.17	3.94	2
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	IS15	Surface	1	1	2	08:21	27.9	7.76	18.5	6.14	3.9	2
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	IS15	Middle	6.1	2	1	08:21	27.9	7.8	18.6	6	3.69	3.8
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	IS15	Middle	6.1	2	2	08:21	27.9	7.8	18.6	6.04	3.72	3.7
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	IS15	Bottom	11.2	3	1	08:21	27.9	7.83	18.6	5.96	3.99	6
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	IS15	Bottom	11.2	3	2	08:21	27.8	7.85	18.7	5.98	4.02	6.2
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	SR8	Surface	1	1	1	07:46	27.7	7.84	18.5	6.37	3.84	2
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	SR8	Surface	1	1	2	07:46	27.6	7.86	18.5	6.36	3.8	2.5
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	SR8	Middle		2	1	07:46						
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	SR8	Middle		2	2	07:46						
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	SR8	Bottom	4.2	3	1	07:46	27.6	7.85	18.6	6.2	3.94	4.2
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	SR8	Bottom	4.2	3	2	07:46	27.6	7.84	18.7	6.18	3.96	4.7
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	SR9	Surface	1	1	1	08:13	27.9	7.73	18.5	6.3	3.79	2.5
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	SR9	Surface	1	1	2	08:13	27.8	7.7	18.5	6.22	3.81	2
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	SR9	Middle		2	1	08:13						
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	SR9	Middle		2	2	08:13						
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	SR9	Bottom	4.5	3	1	08:13	27.8	7.77	18.6	6.17	4.04	3
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	SR9	Bottom	4.5	3	2	08:13	27.7	7.74	18.5	6.16	4.08	3.3
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	SR10A	Surface	1	1	1	07:25	27.6	7.71	18.7	6.5	3.54	2
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	SR10A	Surface	1	1	2	07:25	27.6	7.7	18.7	6.52	3.58	1.8
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	SR10A	Middle	7.2	2	1	07:25	27.5	7.68	18.7	6.4	3.57	2.2
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	SR10A	Middle	7.2	2	2	07:25	27.6	7.66	18.6	6.42	3.6	2.4
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	SR10A	Bottom	13.4	3	1	07:25	27.5	7.72	18.8	6.18	3.71	3.2
TMCLKL	HY/2012/08	2014-07-30	Mid-Flood	Fine	Small Wave	SR10A	Bottom	13.4	3	2	07:25	27.6	7.74	18.7	6.15	3.74	3.1
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	CS4	Surface	1	1	1	13:15	28.4	7.65	18.6	6.33	3.79	2.4
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	CS4	Surface	1	1	2	13:15	28.3	7.66	18.5	6.3	3.75	2.3
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	CS4	Middle	11.3	2	1	13:15	28.4	7.68	18.6	6.24	3.84	2.3
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	CS4	Middle	11.3	2	2	13:15	28.5	7.69	18.6	6.27	3.88	2.3
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	CS4	Bottom	21.6	3	1	13:15	28.4	7.72	18.7	6.28	3.97	2.2
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	CS4	Bottom	21.6	3	2	13:15	28.4	7.71	18.7	6.24	3.96	2.6
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	CS6	Surface	1	1	1	15:59	28.5	7.66	18.6	6.44	3.87	2.9
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	CS6	Surface	1	1	2	15:59	28.4	7.65	18.6	6.4	3.89	2.2
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	CS6	Middle	6.7	2	1	15:59	28.5	7.68	18.8	6.24	4.01	3.2
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	CS6	Middle	6.7	2	2	15:59	28.4	7.68	18.7	6.26	3.98	3.5
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	CS6	Bottom	12.3	3	1	15:59	28.5	7.73	18.8	6.2	4.03	6.1
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	CS6	Bottom	12.3	3	2	15:59	28.4	7.72	18.8	6.18	4.06	6.8
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	IS12	Surface	1	1	1	13:57	28.5	7.77	18.5	6.3	3.9	2.4
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	IS12	Surface	1	1	2	13:57	28.6	7.75	18.6	6.26	3.86	2.4
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	IS12	Middle	7.3	2	1	13:57	28.5	7.7	18.6	6.3	4.01	3.2
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	IS12	Middle	7.3	2	2	13:57	28.5	7.72	18.5	6.23	4.04	2.9
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	IS12	Bottom	13.6	3	1	13:57	28.5	7.8	18.6	6.32	4.06	2.9
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	IS12	Bottom	13.6	3	2	13:57	28.4	7.84	18.6	6.33	4.08	3.2
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	IS13	Surface	1	1	1	14:14	28.5	7.64	18.6	6.23	3.94	3.1
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	IS13	Surface	1	1	2	14:14	28.5	7.66	18.5	6.22	3.96	2.9
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	IS13	Middle	6	2	1	14:14	28.4	7.7	18.6	6.24	3.97	3.2
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	IS13	Middle	6	2	2	14:14	28.5	7.68	18.6	6.2	4.03	3.3
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	IS13	Bottom	11	3	1	14:14	28.3	7.7	18.6	6.19	4.04	3.4
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	IS13	Bottom	11	3	2	14:14	28.4	7.69	18.5	6.22	4.06	3.2
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	IS14	Surface	1	1	1	13:37	28.5	7.66	18.5	6.27	3.82	2.6
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	IS14	Surface	1	1	2	13:37	28.4	7.64	18.5	6.33	3.84	2.5
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	IS14	Middle	8	2	1	13:37	28.4	7.67	18.6	6.1	3.97	2.8

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	pH	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	IS14	Middle	8	2	2	13:37	28.4	7.7	18.6	6.08	4.01	2.9
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	IS14	Bottom	4.9	3	1	13:37	28.3	7.74	18.7	6.04	4.14	4
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	IS14	Bottom	4.9	3	2	13:37	28.4	7.75	18.6	6	4.16	3.9
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	IS15	Surface	1	1	1	14:32	28.5	7.66	18.4	6.14	3.9	1.7
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	IS15	Surface	1	1	2	14:32	28.6	7.68	18.4	6.1	3.94	2.4
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	IS15	Middle	6	2	1	14:32	28.5	7.7	18.5	6.05	3.99	3.4
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	IS15	Middle	6	2	2	14:32	28.4	7.72	18.4	6.03	4.02	3.4
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	IS15	Bottom	10.9	3	1	14:32	28.6	7.74	18.6	5.9	4.04	3.8
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	IS15	Bottom	10.9	3	2	14:32	28.5	7.72	18.6	5.88	4.06	3.8
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	SR8	Surface	1	1	1	15:07	28.5	7.68	18.6	6.24	3.88	2.9
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	SR8	Surface	1	1	2	15:07	28.5	7.64	18.5	6.2	3.92	3.3
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	SR8	Middle		2	1	15:07						
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	SR8	Middle		2	2	15:07						
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	SR8	Bottom	3.8	3	1	15:07	28.4	7.72	18.6	6.04	4.04	5.6
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	SR8	Bottom	3.8	3	2	15:07	28.4	7.7	18.6	6.08	4.07	5.2
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	SR9	Surface	1	1	1	14:50	28.5	7.69	18.5	6.23	3.93	3
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	SR9	Surface	1	1	2	14:50	28.4	7.68	18.6	6.2	3.95	3.1
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	SR9	Middle		2	1	14:50						
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	SR9	Middle		2	2	14:50						
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	SR9	Bottom	4.2	3	1	14:50	28.4	7.7	18.6	6.16	4.12	3
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	SR9	Bottom	4.2	3	2	14:50	28.4	7.72	18.6	6.12	4.14	3.9
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	SR10A	Surface	1	1	1	15:32	28.5	7.64	18.6	6.38	3.77	4.1
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	SR10A	Surface	1	1	2	15:32	28.6	7.66	18.7	6.34	3.79	4.2
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	SR10A	Middle	7	2	1	15:32	28.5	7.66	18.6	6.2	3.84	3.8
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	SR10A	Middle	7	2	2	15:32	28.4	7.68	18.6	6.24	3.85	3.9
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	SR10A	Bottom	13	3	1	15:32	28.4	7.72	18.7	6.01	3.98	3.8
TMCLKL	HY/2012/08	2014-07-30	Mid-Ebb	Sunny	Small Wave	SR10A	Bottom	13	3	2	15:32	28.3	7.7	18.7	6.06	3.97	3.8

Appendix J

Impact Dolphin Monitoring Survey

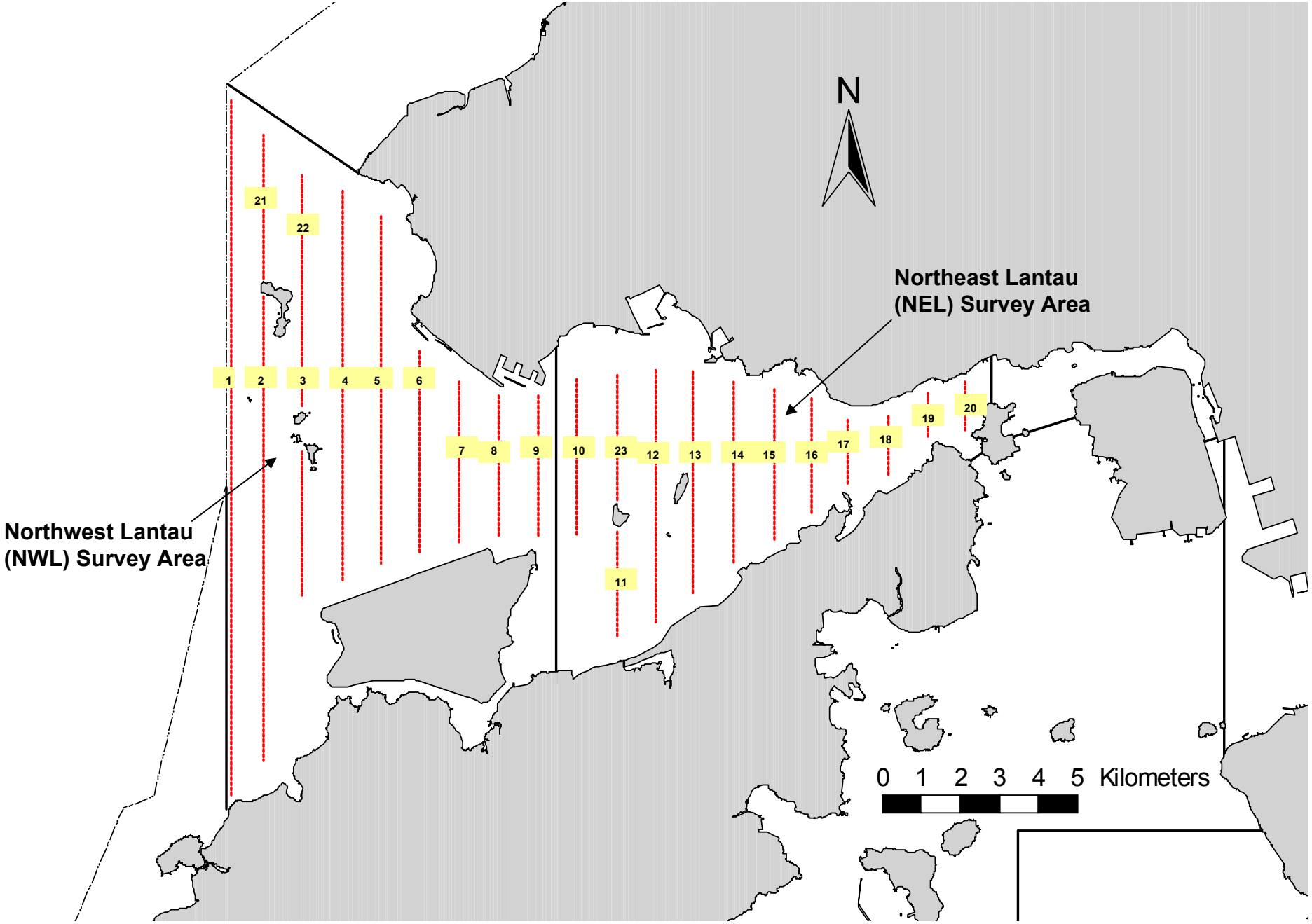


Figure 1. Transect Line Layout in Northwest and Northeast Lantau Survey Areas

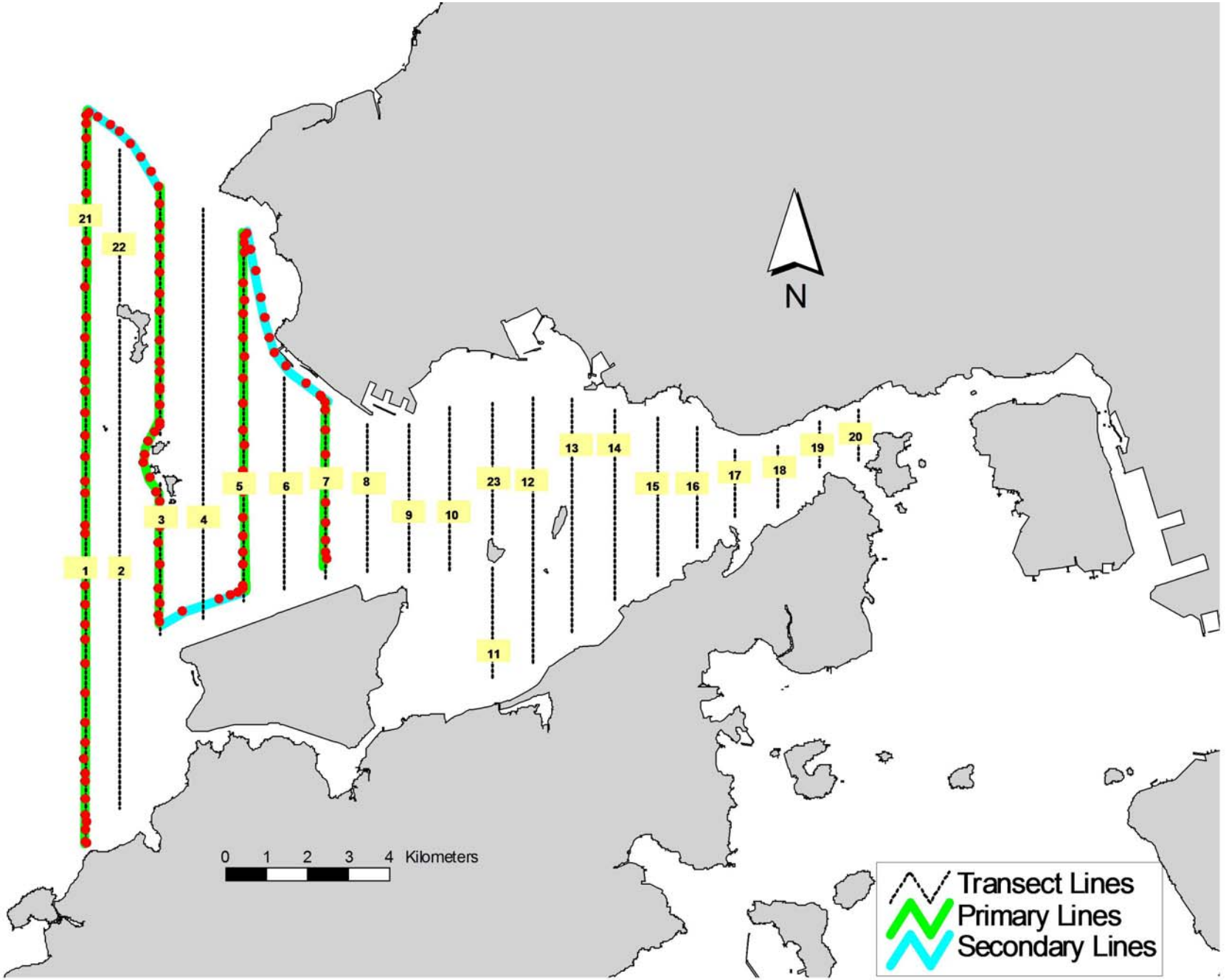


Figure 2. Survey Route on July 3rd, 2014 (from HKLR03 project)

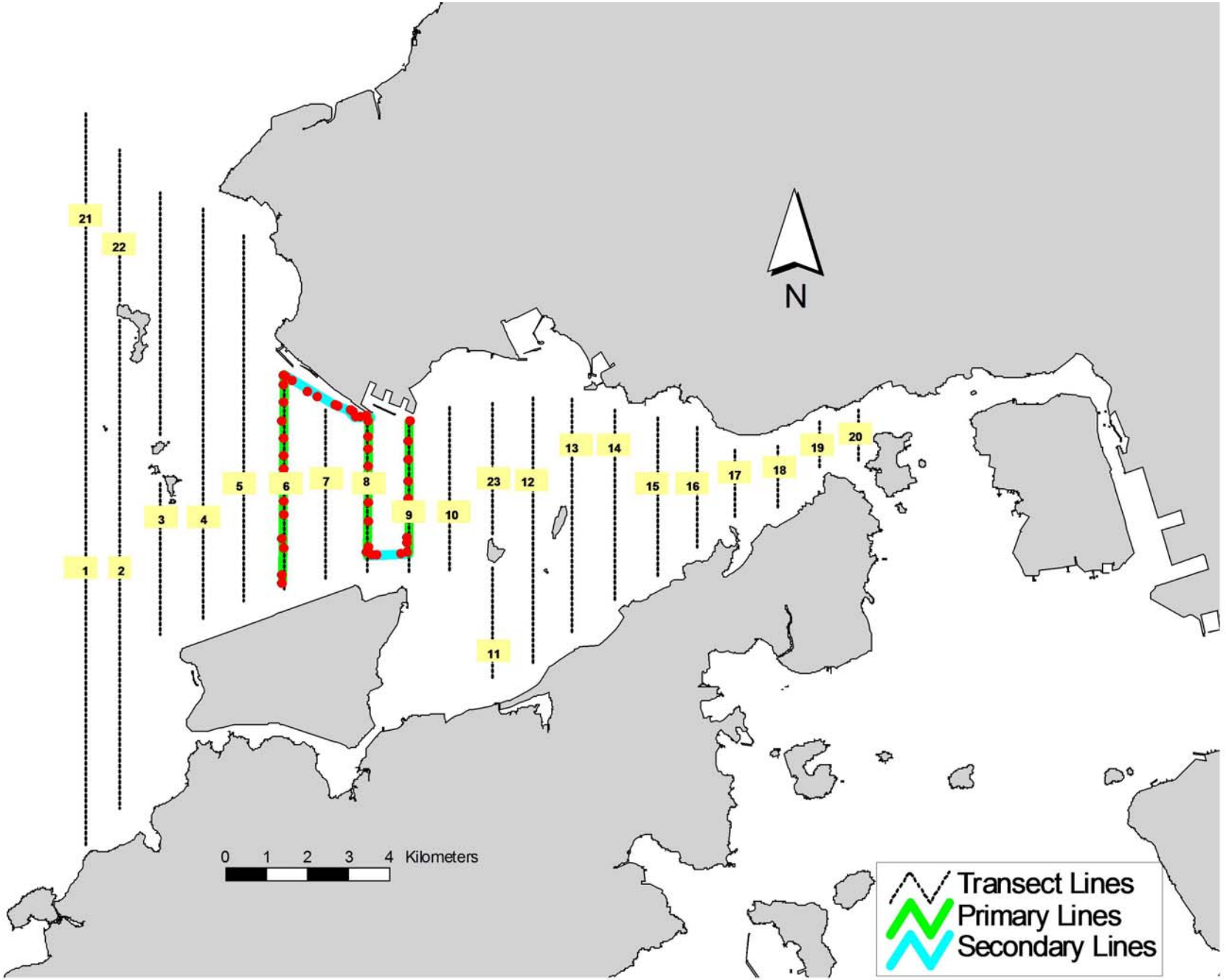


Figure 3. Survey Route on July 9th, 2014 (from HKLR03 project)

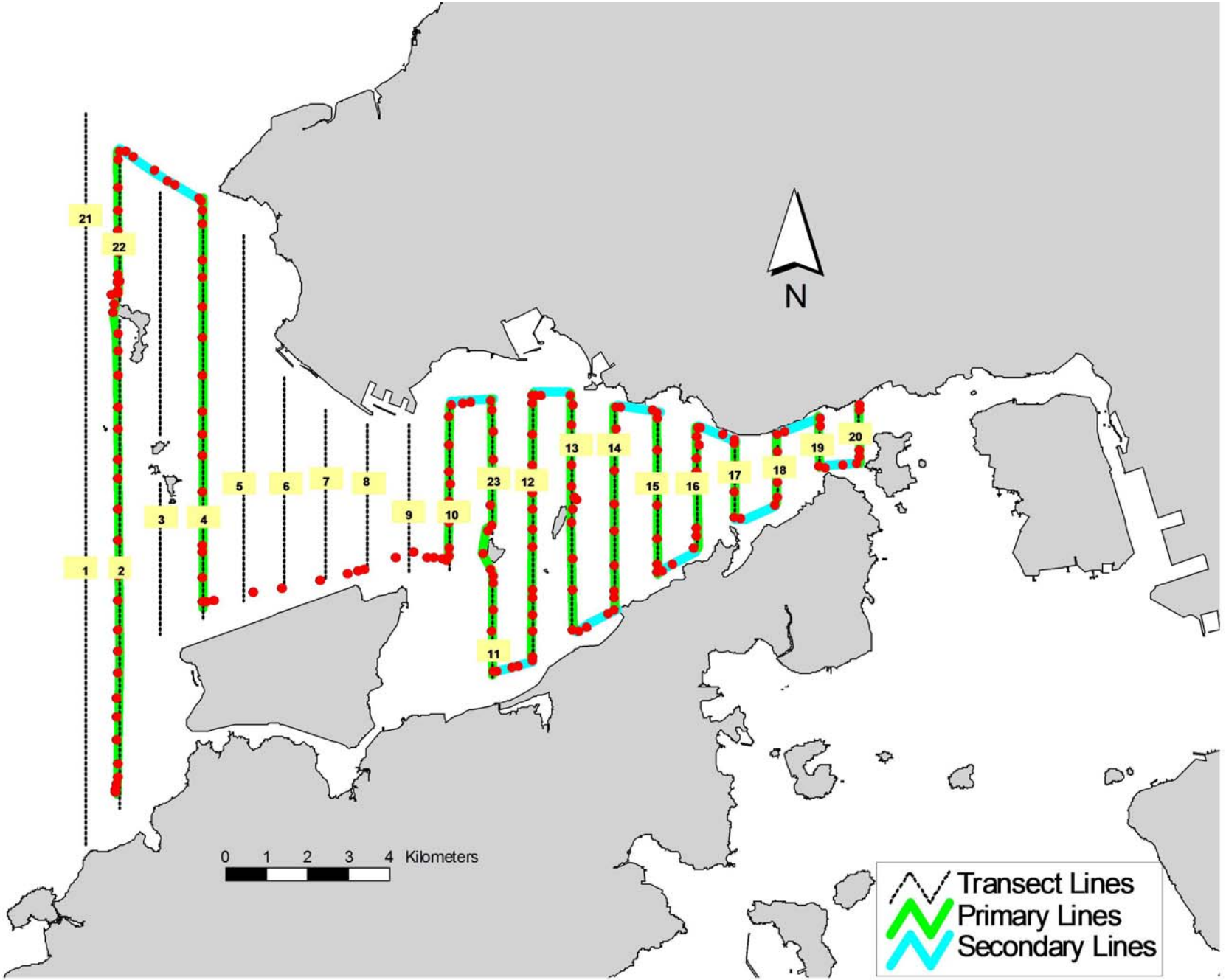


Figure 4. Survey Route on July 10th, 2014 (from HKLR03 project)

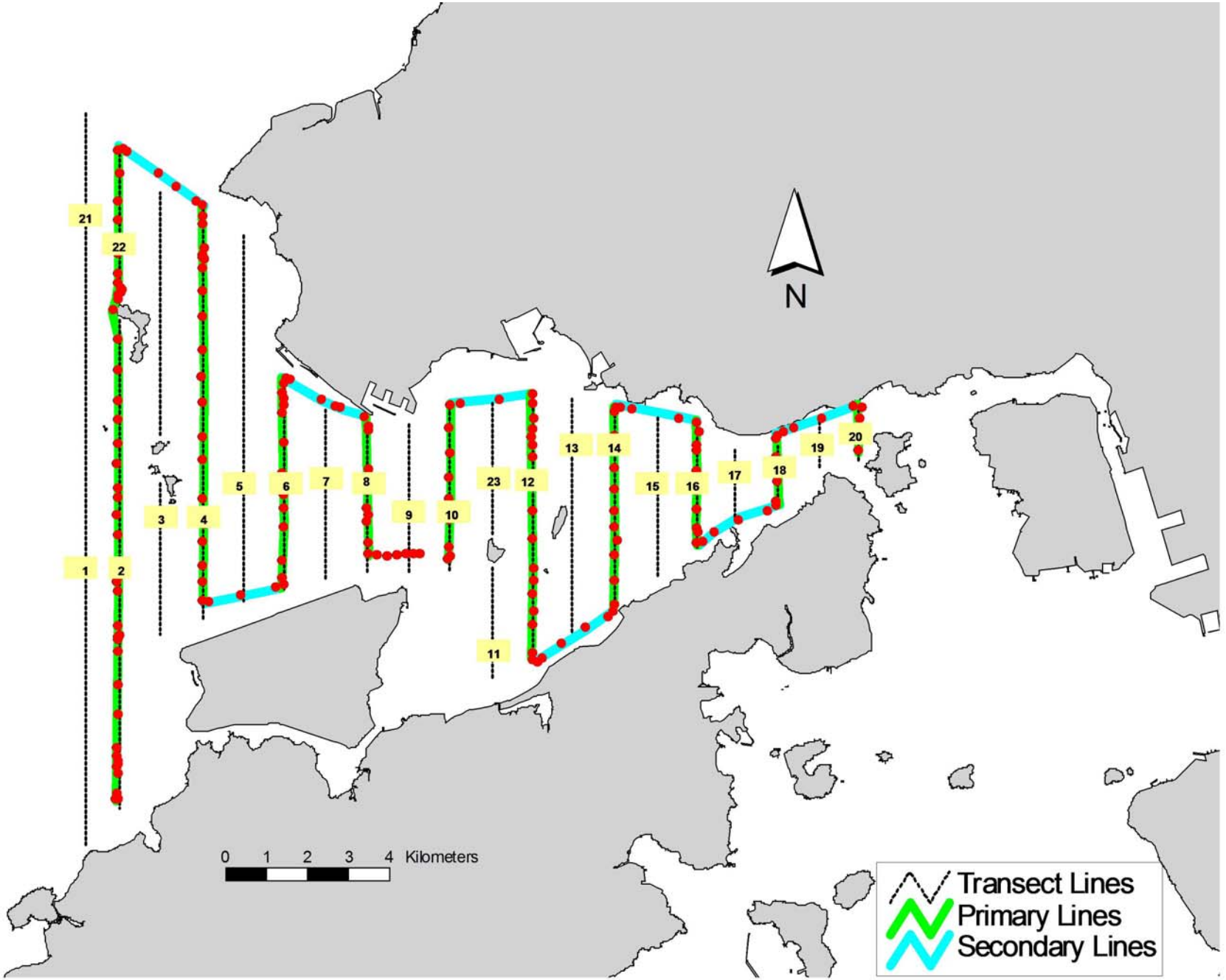


Figure 5. Survey Route on July 14th, 2014 (from HKLR03 project)

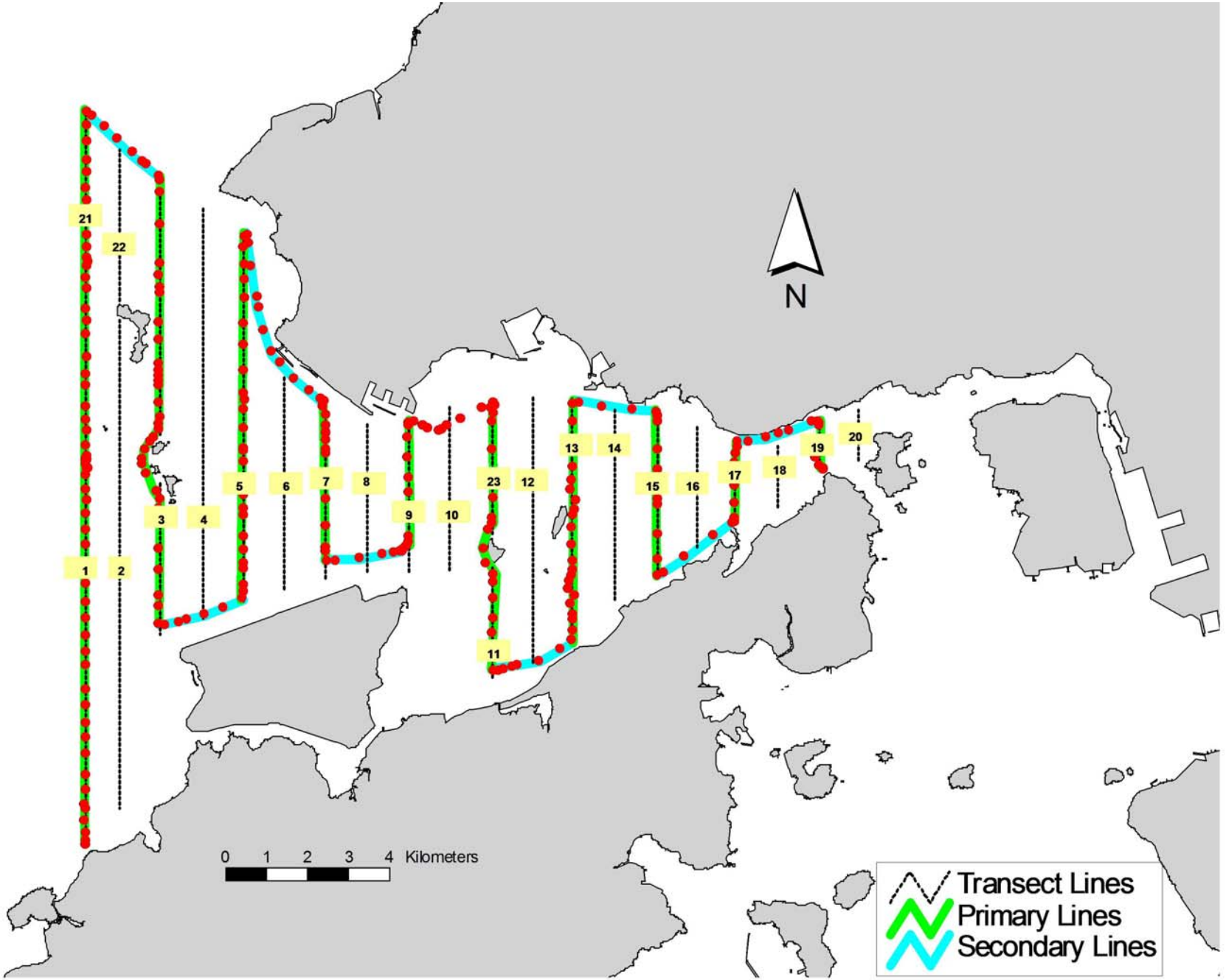


Figure 6. Survey Route on July 21st, 2014 (from HKLR03 project)

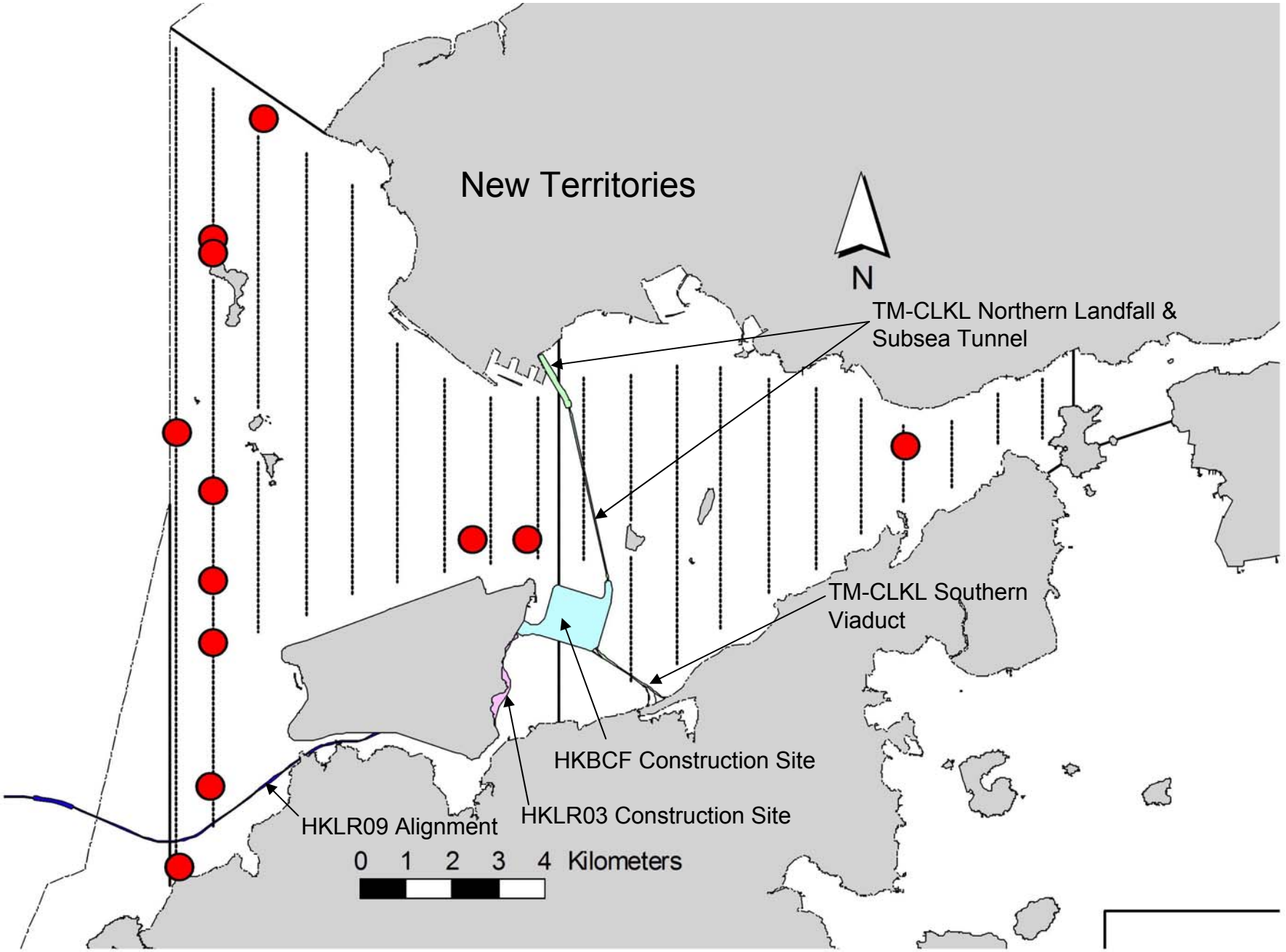


Figure 7. Distribution of Chinese White Dolphin Sightings during July 2014 HKLR03 Monitoring Surveys

Appendix I. HKLR03 Survey Effort Database (July 2014)

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

DATE	AREA	BEAU	EFFORT	SEASON	VESSEL	TYPE	P/S
3-Jul-14	NE LANTAU	2	1.89	SUMMER	STANDARD31516	HKLR	P
3-Jul-14	NE LANTAU	2	2.14	SUMMER	STANDARD31516	HKLR	S
3-Jul-14	NW LANTAU	2	7.87	SUMMER	STANDARD31516	HKLR	P
3-Jul-14	NW LANTAU	3	23.09	SUMMER	STANDARD31516	HKLR	P
3-Jul-14	NW LANTAU	4	5.90	SUMMER	STANDARD31516	HKLR	P
3-Jul-14	NW LANTAU	2	2.90	SUMMER	STANDARD31516	HKLR	S
3-Jul-14	NW LANTAU	3	7.84	SUMMER	STANDARD31516	HKLR	S
3-Jul-14	NW LANTAU	4	0.60	SUMMER	STANDARD31516	HKLR	S
9-Jul-14	NW LANTAU	1	1.80	SUMMER	STANDARD31516	HKLR	P
9-Jul-14	NW LANTAU	2	9.28	SUMMER	STANDARD31516	HKLR	P
9-Jul-14	NW LANTAU	2	3.22	SUMMER	STANDARD31516	HKLR	S
10-Jul-14	NW LANTAU	1	8.81	SUMMER	STANDARD31516	HKLR	P
10-Jul-14	NW LANTAU	2	12.85	SUMMER	STANDARD31516	HKLR	P
10-Jul-14	NW LANTAU	3	2.29	SUMMER	STANDARD31516	HKLR	P
10-Jul-14	NW LANTAU	1	0.73	SUMMER	STANDARD31516	HKLR	S
10-Jul-14	NW LANTAU	2	6.69	SUMMER	STANDARD31516	HKLR	S
10-Jul-14	NE LANTAU	1	14.94	SUMMER	STANDARD31516	HKLR	P
10-Jul-14	NE LANTAU	2	16.33	SUMMER	STANDARD31516	HKLR	P
10-Jul-14	NE LANTAU	3	6.20	SUMMER	STANDARD31516	HKLR	P
10-Jul-14	NE LANTAU	1	3.93	SUMMER	STANDARD31516	HKLR	S
10-Jul-14	NE LANTAU	2	6.90	SUMMER	STANDARD31516	HKLR	S
10-Jul-14	NE LANTAU	3	0.80	SUMMER	STANDARD31516	HKLR	S
14-Jul-14	NW LANTAU	2	19.59	SUMMER	STANDARD31516	HKLR	P
14-Jul-14	NW LANTAU	3	11.09	SUMMER	STANDARD31516	HKLR	P
14-Jul-14	NW LANTAU	2	2.05	SUMMER	STANDARD31516	HKLR	S
14-Jul-14	NW LANTAU	3	3.80	SUMMER	STANDARD31516	HKLR	S
14-Jul-14	NW LANTAU	4	0.93	SUMMER	STANDARD31516	HKLR	S
14-Jul-14	NE LANTAU	1	2.00	SUMMER	STANDARD31516	HKLR	P
14-Jul-14	NE LANTAU	2	14.57	SUMMER	STANDARD31516	HKLR	P
14-Jul-14	NE LANTAU	3	2.40	SUMMER	STANDARD31516	HKLR	P
14-Jul-14	NE LANTAU	4	1.20	SUMMER	STANDARD31516	HKLR	P
14-Jul-14	NE LANTAU	2	10.51	SUMMER	STANDARD31516	HKLR	S
14-Jul-14	NE LANTAU	3	0.30	SUMMER	STANDARD31516	HKLR	S
21-Jul-14	NW LANTAU	1	5.90	SUMMER	STANDARD31516	HKLR	P
21-Jul-14	NW LANTAU	2	31.10	SUMMER	STANDARD31516	HKLR	P
21-Jul-14	NW LANTAU	3	3.70	SUMMER	STANDARD31516	HKLR	P
21-Jul-14	NW LANTAU	2	7.90	SUMMER	STANDARD31516	HKLR	S
21-Jul-14	NW LANTAU	3	4.90	SUMMER	STANDARD31516	HKLR	S
21-Jul-14	NE LANTAU	1	2.80	SUMMER	STANDARD31516	HKLR	P
21-Jul-14	NE LANTAU	2	13.70	SUMMER	STANDARD31516	HKLR	P
21-Jul-14	NE LANTAU	2	10.70	SUMMER	STANDARD31516	HKLR	S

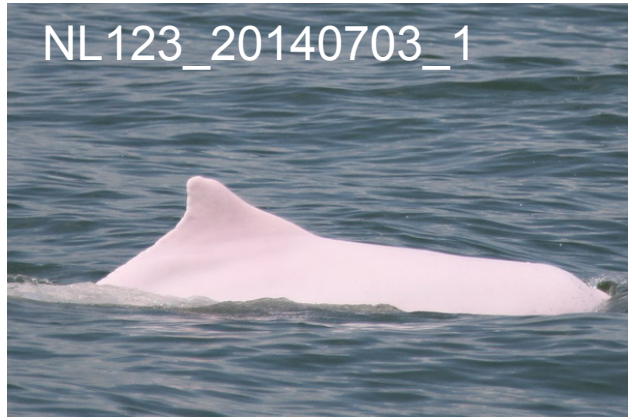
Appendix II. HKLR03 Chinese White Dolphin Sighting Database (July 2014)

(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
03-Jul-14	1	0958	4	NE LANTAU	2	317	ON	HKLR	823230	820459	SUMMER	NONE	P
03-Jul-14	2	1302	4	NW LANTAU	3	ND	OFF	HKLR	821327	811071	SUMMER	NONE	
03-Jul-14	3	1642	2	NW LANTAU	3	161	ON	HKLR	814628	804722	SUMMER	NONE	P
10-Jul-14	1	1110	5	NW LANTAU	2	588	ON	HKLR	827483	805459	SUMMER	NONE	P
10-Jul-14	2	1150	5	NW LANTAU	2	0	ON	HKLR	829928	806565	SUMMER	NONE	S
14-Jul-14	1	1022	3	NW LANTAU	2	572	ON	HKLR	816276	805395	SUMMER	NONE	P
14-Jul-14	2	1036	1	NW LANTAU	2	866	ON	HKLR	819222	805442	SUMMER	NONE	P
14-Jul-14	3	1044	5	NW LANTAU	2	118	ON	HKLR	820484	805434	SUMMER	NONE	P
14-Jul-14	4	1105	7	NW LANTAU	2	471	ON	HKLR	822311	805448	SUMMER	NONE	P
14-Jul-14	5	1144	2	NW LANTAU	2	819	ON	HKLR	827173	805448	SUMMER	NONE	P
21-Jul-14	1	1113	1	NW LANTAU	2	694	ON	HKLR	823509	804668	SUMMER	NONE	P
21-Jul-14	2	1436	2	NW LANTAU	2	325	ON	HKLR	821325	812267	SUMMER	NONE	S

Appendix III. Individual dolphins identified during HKLR03 monitoring surveys in July 2014

ID#	DATE	STG#	AREA
CH34	10/07/14	1	NW LANTAU
NL80	14/07/14	4	NW LANTAU
NL93	10/07/14	1	NW LANTAU
NL123	03/07/14	1	NE LANTAU
NL139	03/07/14	1	NE LANTAU
NL145	14/07/14	3	NW LANTAU
NL182	10/07/14	2	NW LANTAU
NL210	10/07/14	2	NW LANTAU
NL247	14/07/14	4	NW LANTAU
NL261	03/07/14	1	NE LANTAU
NL285	03/07/14	1	NE LANTAU
NL287	14/07/14	3	NW LANTAU
NL300	14/07/14	4	NW LANTAU
NL301	14/07/14	4	NW LANTAU
WL30	10/07/14	1	NW LANTAU
WL124	03/07/14	3	NW LANTAU



Appendix IV. Photographs of Identified Individual Dolphins in July 2014 (HKLR03)

Appendix IV. (cont'd)

Appendix K

Event and Action Plan

Event and Action Plan for Impact Air Monitoring

	Action			
	ET [a]	**IEC** [a]	**SOR** [a]	**Contractor(s)**
Action Level				
Exceedance recorded	1. Identify the source. 2. Repeat measurement to confirm finding. If two consecutive measurements exceed Action Level, the exceedance is then confirmed. 3. Inform the IEC and the SOR. 4. Investigate the cause of exceedance and check Contractor's working procedures to determine possible mitigation to be implemented. 5. If the exceedance is confirmed to be Project related after investigation, increase monitoring frequency to daily. 6. Discuss with the IEC and the Contractor on remedial actions required. 7. If exceedance continues, arrange meeting with the IEC and the SOR. 8. If exceedance stops, cease additional monitoring.	1. Check monitoring data submitted by the ET. 2. Check the Contractor's working method. 3. If the exceedance is confirmed to be Project related after investigation, 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. Rectify any unacceptable practice 2. Amend working methods if appropriate 3. If the exceedance is confirmed to be Project related, submit proposals for remedial actions to IEC within 3 working days of notification 4. Implement the agreed proposals 5. Amend proposal if appropriate

	Action			
	ET [(a)]	**IEC [(a)]**	**SOR [(a)]**	**Contractor(s)**
Limit Level				
Exceedance recorded	1. Identify the source. 2. Repeat measurement to confirm finding. If two consecutive measurements exceed Limit Level, the exceedance is then confirmed. 3. Inform the IEC, the SOR, the DEP and the Contractor. 4. Investigate the cause of exceedance and check Contractor's working procedures to determine possible mitigation to be implemented. 5. If the exceedance is confirmed to be Project related after investigation, increase monitoring frequency to daily. 6. Carry out analysis of the Contractor's working procedures to determine possible mitigation to be implemented. 7. Arrange meeting with the IEC and the SOR to discuss the remedial actions to be taken. 8. Assess effectiveness of the Contractor's remedial actions and keep the IEC, the DEP and the SOR informed of the results. 9. If exceedance stops, cease additional monitoring.	1. Check monitoring data submitted by the ET. 2. Check Contractor's working method. 3. If the exceedance is confirmed to be Project related after investigation, 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. If the exceedance is confirmed to be Project related after investigation, 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. If the exceedance is confirmed to be Project related after investigation, submit proposals for remedial actions to IEC within 3 working days of notification. 3. Implement the agreed proposals. 4. Amend proposal if appropriate. 5. Stop the relevant activity of works as determined by the SOR until the exceedance is abated.

Note: (a) ET – Environmental Team; IEC – Independent Environmental Checker; SOR – Supervising Officer's Representative

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	1. Confirm receipt of notification of failure in	1. Inform the SOR and confirm notification of the

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 6. IEC, SOR and Contractor;	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.	writing; 2. Discuss with IEC, ET and Contractor on the proposed mitigation measures; 3. Request Contractor to review the working methods.	non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment and consider changes of working methods; 4. Submit proposal of mitigation measures to 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. Ensure mitigation measures are properly implemented; 5. Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the construction activities until no exceedance of Limit level.	1. Take immediate action to avoid further exceedance; 2. Submit proposal of mitigation measures to 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.

Note: ET – Environmental Team, IEC – Independent Environmental Checker, SOR – Supervising Officer's Representative

Event / Action Plan for Impact Dolphin Monitoring

EVENT	ACTION*			
	ET	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 finding 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.
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;	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, SOR and	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 SOR is satisfied with the	1. Inform the SOR and confirm notification of the non-compliance in writing; 2. Attend the meeting to discuss with ET, IEC and SOR the necessity of additional dolphin monitoring and any other

EVENT	ACTION*			
	ET	IEC	SOR	Contractor
	3. Identify source(s) of impact; 4. Inform the IEC, 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, 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.	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 SOR of the results and findings accordingly. 5. Supervise / Audit the implementation of additional monitoring and/or any other mitigation measures and advise SOR the results and findings accordingly.	proposals for additional dolphin monitoring and/or any other mitigation measures submitted by ET and Contractor and verified by IEC, 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.	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 L

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

Table L1 *Cumulative Statistics on Exceedances*

Parameters	Level of Exceedance	Total No. recorded in this reporting month	Total No. recorded since project commencement
1-hr TSP	Action	0	26
	Limit	0	2
24-hr TSP	Action	0	5
	Limit	0	1
Water Quality	Action	0	6
	Limit	0	1
Impact Dolphin Monitoring	Action	0	3
	Limit	0	0

Table L2 *Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions*

Reporting Period	Cumulative Statistics		
	Complaints	Notifications of Summons	Successful Prosecutions
This Reporting Month (July 2014)	0	0	0
Total No. received since project commencement	1	0	0

Appendix M

Waste Flow Table

Name of Department: HyD **Contract No. / Works Order No.:** HY/2012/08

Monthly Summary Waste Flow Table for July 2014 [to be submitted not later than the 15th day of each month following reporting month]

(All quantities shall be rounded off to 3 decimal places.)

Month	Actual Quantities of Inert Construction Waste Generated Monthly				
	(a)=(b)+(c)+(d)+(e) Total Quantity Generated	(b) Hard Rock and Large Broken Concrete	(c) Reused in the Contract	(d) Reused in other Projects	(e) Disposed of as Public Fill
	(in '000 ton)	(in '000 ton)	(in '000 ton)	(in '000 ton)	(in '000 ton)
2013 Sub-total	3.718	0.000	0.000	0.000	3.718
Jan	9.012	0.000	0.000	0.000	9.012
Feb	0.000	0.000	0.000	0.000	0.000
Mar	0.105	0.000	0.000	0.000	0.105
Apr	0.022	0.000	0.000	0.000	0.022
May	1.016	0.000	0.000	0.000	1.016
Jun	4.393	0.000	0.000	0.000	4.393
Sub-total	14.548	0.000	0.000	0.000	14.548
Jul	14.405	0.000	0.000	0.000	14.405
Aug					
Sep					
Oct					
Nov					
Dec					
2014 Total	32.671	0.000	0.000	0.000	32.671

Month	**Actual Quantities of <u>Inert</u> Construction Waste Generated Monthly**							
	Imported Fill to WA 23 & Reclamation Area (Rockfill 400)	Imported Fill to WA 23 & Reclamation Area (Rockfill 200)	Imported Fill to WA 23 & Reclamation Area (Rockfill Type A)	Imported Fill to Reclamation Area (Public Fill) (by Barge)	Imported Fill to Reclamation Area (Public Fill) (by Truck)	Imported Fill to Barging Point	Marine Disposal (Cat. L)	Marine Disposal (Cat. M_P &M_F)
	(in '000 ton)	(in '000 ton)	(in '000 ton)	(in '000 ton)	(in '000 ton)	(in '000 ton)	(in '000 m^3)	(in '000 m^3)
2013 Sub-total	211.541	2.508	19.460	0.000	0.000	45.472	61.600	18.200
Jan	177.300	4.050	8.544	0.000	0.000	124.412	34.000	12.500
Feb	143.891	27.825	5.371	0.000	0.000	81.296	18.500	24.500
Mar	257.304	53.388	27.958	113.789	0.000	63.961	37.300	40.450
Apr	198.245	10.186	41.702	191.094	0.000	26.640	28.600	15.400
May	236.816	4.612	65.308	150.749	43.718	15.165	18.700	29.150
Jun	233.430	2.856	37.103	108.667	25.433	0.000	40.700	7.700
Sub-total	1246.986	102.917	185.986	564.299	69.151	311.474	177.800	129.700
Jul	177.859	0.000	65.758	161.817	22.958	0.000	37.950	7.150
Aug								
Sep								
Oct								
Nov								
Dec								
2014 Total	1636.386	105.425	271.204	726.116	92.109	356.946	277.350	155.050

Month	Actual Quantities of Non-inert Construction Waste Generated Monthly								
	Metals		Paper/ cardboard packaging		Plastics (see Note 3)		Chemical Waste		Others, e.g. General Refuse disposed at Landfill
	(in '000kg)		(in '000kg)		(in '000kg)		(in '000kg)		(in '000ton)
	generated	recycled	generated	recycled	generated	recycled	generated	recycled	generated
2013 Sub-total	0.000	0.000	0.380	0.380	0.000	0.000	0.000	0.000	0.172
Jan	0.000	0.000	0.130	0.130	0.000	0.000	0.000	0.000	0.045
Feb	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.028
Mar	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.036
Apr	0.000	0.000	0.160	0.160	0.000	0.000	0.000	0.000	0.026
May	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.042
Jun	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.030	0.030
Sub-total	0.000	0.000	0.290	0.290	0.000	0.000	0.050	0.050	0.207
Jul	0.000	0.000	0.300	0.300	0.000	0.000	0.000	0.000	0.033
Aug									
Sep									
Oct									
Nov									
Dec									
2014 Total	0.000	0.000	0.970	0.970	0.000	0.000	0.050	0.050	0.412

Forecast of Total Quantities of Construction and Demolition Materials to be Generated from the Contract*							
Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed of as Public Fill	Imported Fill	Marine Disposal (Cat. L)	Marine Disposal (Cat. M)
(in '000 ton)	(in '000 ton)	(in '000 ton)	(in '000 ton)	(in '000 ton)	(in '000 ton)	(in '000 m^3)	(in '000 m^3)
5.000	0.000	0.000	0.000	5.000	180.000	5.000	40.000

Forecast of Total Quantities of Construction and Demolition Materials to be Generated from the Contract*				
Metals	Paper/ cardboard packaging	Plastics (see Note 3)	Chemical Waste	General Refuse disposed of at Landfill
(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m^3)
0.000	0.050	0.000	0.000	0.100

Notes:
(1) The performance targets are given in the **ER Appendix 8J Clause 14** and the EM & A Manual(s).
(2) The waste flow table shall also include C&D materials to be imported for use at the Site.
(3) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material.
(4) The Contractor shall also submit the latest forecast of the total amount of C&D materials expected to be generated from the Works, together with a breakdown of the nature where the amount of C&D materials expected to be generated from the Works is equal to or exceeding 50,000 m^3. (**ER Part 8 Clause 8.8.5 (d) (ii)** refers).