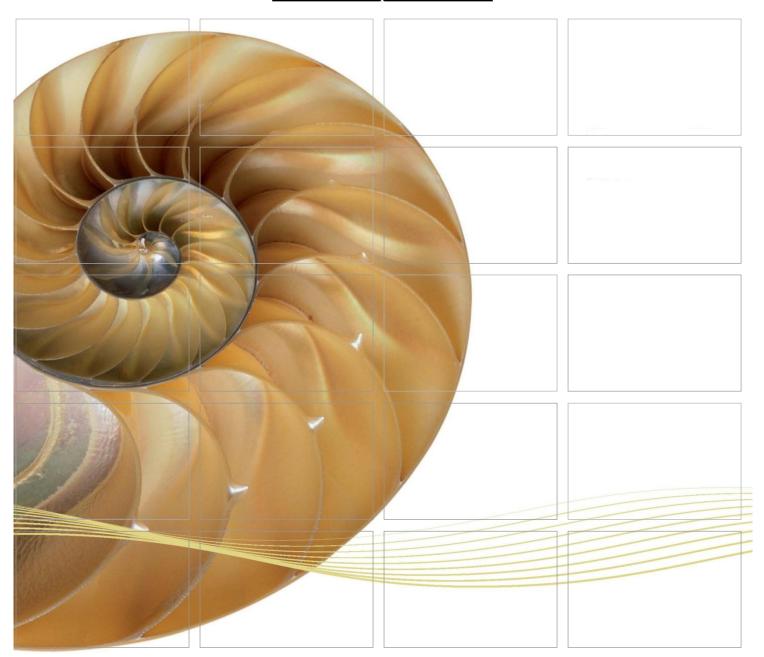
#### Report



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

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

14 May 2014

**Environmental Resources Management** 

16/F, DCH Commercial Centre 25 Westlands Road Quarry Bay, Hong Kong Telephone 2271 3000 Facsimile 2723 5660

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

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

Document Code: 0212330\_6th Monthly EM&A\_20140513.doc

# **Environmental Resources Management**

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http://www.erm.com

Client:		Project N	lo:			
DBJV	0212330					
Summary	:	Date:				
·		14 May	2014			
		Approved				
This document presents the Sixth Monthly EM&A Report for Tuen Mun – Chek Lap Kok Link Northern Connection Sub-sea Tunnel Section.						
		Mr Cra	ig Reid			
		Partner				
		Certified	by:			
		Je	2			
		Mr Jov	/ Tam			
		ET Lead	er			
	6 <sup>th</sup> Monthly EM&A Report	VAR	JT	CAR	14/05/14	
Revision	Description	Ву	Checked	Approved	Date	
'ERM Hong- Contract wit taking accou	has been prepared by Environmental Resources Management the trading name of Kong, Limited', with all reasonable skill, care and diligence within the terms of the h the client, incorporating our General Terms and Conditions of Business and ant of the resources devoted to it by agreement with the client.  any responsibility to the client and others in respect of any matters outside the above.	Internal OHSAS 18001:2				
		☐ Co	nfidential	ISO 9 Certificate	001 : 2008 2 No. FS 32515	





Ref.: HYDHZMBEEM00\_0\_1919L.14 15 May 2014

**AECOM** 

By Fax (2450 3099) and By Post

Supervising Officer Representative's Office Room 201, 2<sup>nd</sup> Floor, River Trade Terminal Office Building, 201 Lung Mun Road, Tuen Mun, Hong Kong

Attention: Messrs. Edwin Ching / Andy Westmorelan

Dear Sir,

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 April 2014 (EP-354/2009/B)

Reference is made to the Monthly Environmental Monitoring and Audit (EM&A) Report (for April 2014) certified by the ET Leader (ET's ref.: "0212330\_6th Monthly EM&A\_20140513.doc" dated 14 May 2014) and provided to us via email on 14 May 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

Transfar Heary

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)

Dragages – Mr. C. F. Kwong (By Fax: 2670 2798)

Internal: DY, YH, PL, ENPO Site

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#### **EXECUTIVE SUMMARY**

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 Sixth Monthly EM&A report presenting the EM&A works carried out during the period from 1 to 30 April 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-A;
- Construction of Vertical Seawall and Sloping Seawall at Portion N-B; and,
- Marine Sheet Piling for Box Culvert extension at Portion N-A.

#### Land-based Works

- CLP Substation structure works in Portion N6; and,
- CLP Substation E&M works in Portion N6.

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

24-hour TSP Monitoring 6 sessions

1-hour TSP Monitoring 6 sessions

Impact Water Quality Monitoring 13 sessions

Impact Dolphin Monitoring 2 sessions

Joint Environmental Site Inspection 5 sessions

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

#### Summary of Breaches of Action/Limit Levels

Breaches of Action and Limit Levels for Air Quality

One Action Level exceedance for 1-hr TSP was recorded from the air quality monitoring in this reporting period. No Limit Level exceedances for 1-hr TSP were recorded. No Action or Limit Level exceedances for 24-hr TSP were record. The exceedance was considered to be due to the sporadic events from cumulative anthropogenic activities in this area of Hong Kong and thus the construction works under this Project were highly unlikely to be the major cause of the recorded exceedance upon further investigation.

Breaches of Action and Limit Levels for Water Quality

No Action 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.

The Second Quarterly Post-Translocation Coral Monitoring was conducted on 16 April 2014 and results were detailed in the *Second Quarterly Post-Translocation Coral Monitoring Report*. The findings indicated that the Action or Limit Levels for coral monitoring were not exceeded as increase in percentage of partial mortality was not detected for both the tagged translocated and natural coral colonies when comparing to the pretranslocation dataset.

#### 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.

#### <u>Upcoming Works for the Next Reporting Month</u>

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

#### Marine-based Works

- Dredging;
- Reclamation filling;
- Vertical Seawall construction;
- Sloping Seawall construction;
- Marine Sheet Piling for Box Culvert extension; and
- Predrilling for Box Culvert Foundation.

#### Land-based Works

- CLP Substation underground utilities works; and
- CLP Substation Superstructure.

#### **Future Key Issues**

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

#### INTRODUCTION

#### 1.1 BACKGROUND

1

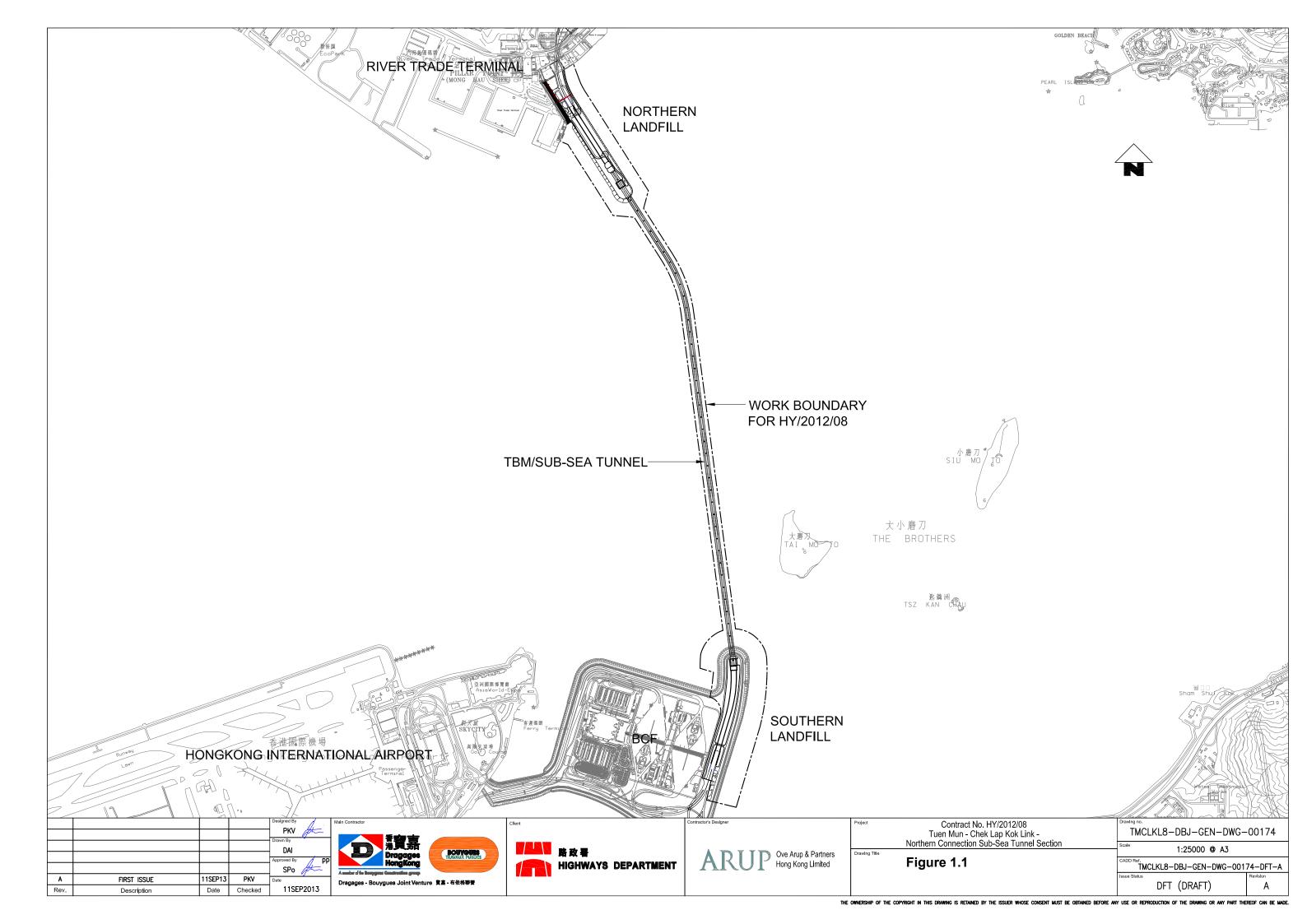
According to the findings of the Northwest New Territories (NWNT) Traffic and Infrastructure Review conducted by the Transport Department, Tuen Mun Road, Ting Kau Bridge, Lantau Link and North Lantau Highway would be operating beyond capacity after 2016. This forecast has been based on the estimated 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.



#### 1.2 Scope of Report

This is the Sixth 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 April 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	Chief Resident Engineer	Edwin Ching	2450 3111	2450 3099
Limited)	9	Andrew Westmoreland	2450 3511	2450 3099
ENPO / IEC (ENVIRON Hong Kong	ENPO Leader	Y.H. Hui	3465 2888	3465 2899
Ltd.)	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

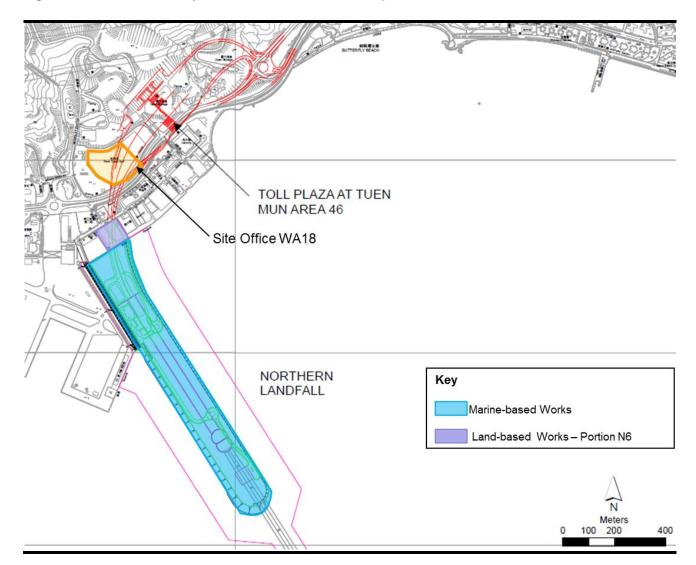
- Dredging at Portion N-C;
- Reclamation filling at Portion N-A;
- Construction of Vertical Seawall and Sloping Seawall at Portion N-B; and,
- Marine Sheet Piling for Box Culvert extension at Portion N-A.

#### Land-based Works

#### Portion N6

- CLP Substation structure works
- CLP Substation E&M works

Figure 1.2 Locations of Construction Activities - April 2014



#### 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 3, 9, 15, 18, 24 and 30 April 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 anemometer 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

<b>Monitoring Station</b>	Monitoring Dates	Location	Description	Parameters & Frequency
ASR1	3, 9, 15, 18, 24 and 30 April 2014	Tuen Mun Fireboat Station	Office	1-hour Total Suspended     Particulates (1-hour TSP,
	11pm 2014	Theboat Station		$\mu$ g/m <sup>3</sup> ), 3 times in every 6 days
ASR5		Pillar Point Fire	Office	• 24-hour Total Suspended
		Station		Particulates (24-hour TSP, μg/m³), daily for 24-hour in
AQMS1		Previous River	Bare ground	every 6 days
		Trade Golf		
ASR6		Butterfly Beach	Office	
		Laundry		
ASR10		Butterfly Beach	Recreational	
		Park	uses	

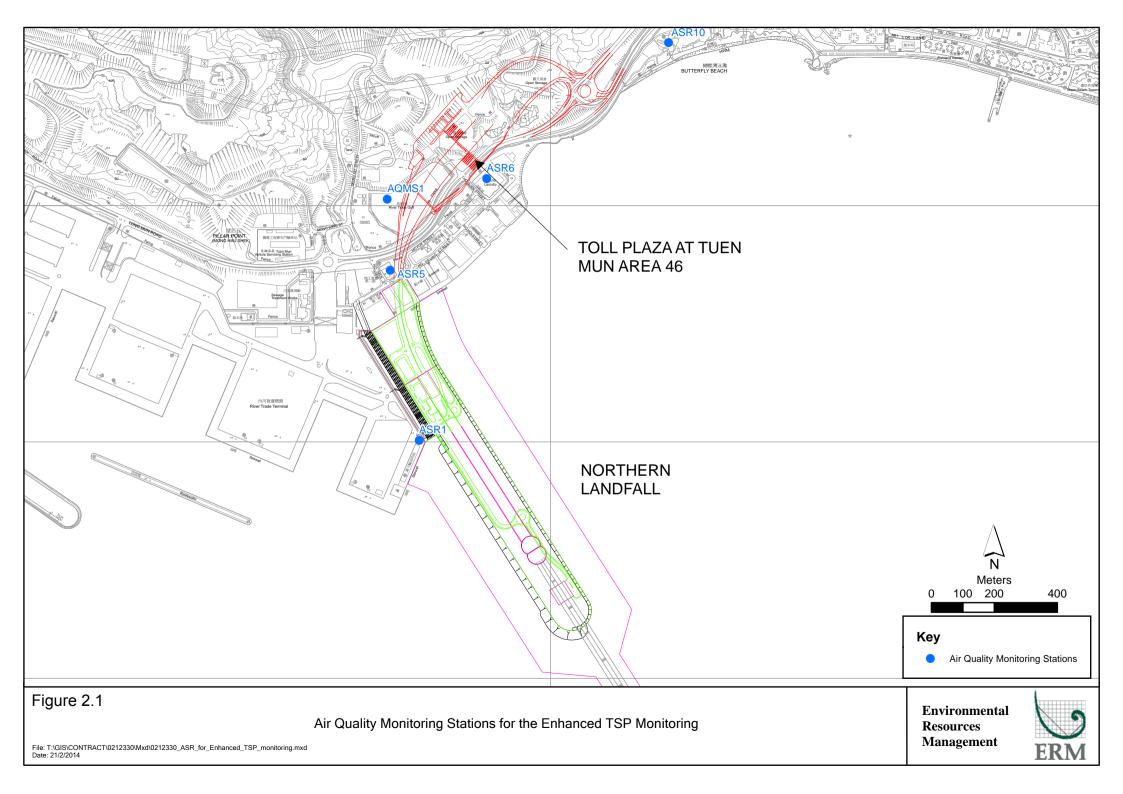


Table 2.2 Air Quality Monitoring Equipment

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 Anemometer	MetPak, WindSonic (Wind Direction: WE570; Wind Speed Sensor: WE550)		

#### 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 April 2014 is provided in *Appendix F*.

#### 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	Limit Level
			(μg/m³)	$(\mu g/m^3)$
ASR1	162	79 - 261	331	500
ASR5	180	104 - 271	340	500
AQMS1	158	85 - 291	335	500
ASR6	145	92 - 211	338	500
ASR10	140	59 - 381	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	98	76 - 135	213	260
ASR5	110	81 - 133	238	260
AQMS1	87	49 - 129	213	260
ASR6	80	47 - 105	238	260
ASR10	73	54 - 95	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.

A total of six monitoring events were undertaken in which one Action Level exceedance of 1-hr TSP was recorded in this reporting month. No Limit

Level exceedances for 1-hr TSP were recorded. No Action or Limit Level exceedances for 24-hr TSP were record.

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	Coor	dinates	*Parameters, unit	Depth	Frequency
	·	Easting	Northing	=		
IS12	Impact Station	813218	823681	• Temperature(°C)	3 water depths: 1m	Impact
IS13	Impact Station	813667	824325	<ul> <li>pH(pH unit)</li> </ul>	below sea surface,	monitoring: 3
IS14	Impact Station	812592	824172	• Turbidity (NTU)	mid-depth and 1m	days per week,
IS15	Impact Station	813356	825008	• Water depth (m)	above sea bed. If	at mid-flood
CS4	Control / Far	810025	824004	<ul> <li>Salinity (ppt)</li> </ul>	the water depth is	and mid-ebb
	Field Station			<ul> <li>DO (mg/L and</li> </ul>	less than 3m, mid-	tides during the
CS6	Control / Far	817028	823992	% of	depth sampling	construction
	Field Station			saturation)	only. If water	period of the
SR8	Sensitive	816306	825715	• SS (mg/L)	depth less than 6m,	Contract.
	receiver			, ,	mid-depth may be	
	(Gazettal				omitted.	
	beaches in					
	Tuen Mun)					
SR9	Sensitive	813601	825858			
	receiver					
	(Butterfly					
	Beach)					
SR10A	Sensitive	823741	823495			
	receiver					
	(Ma Wan					
	FCZ)					

<sup>\*</sup>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*.

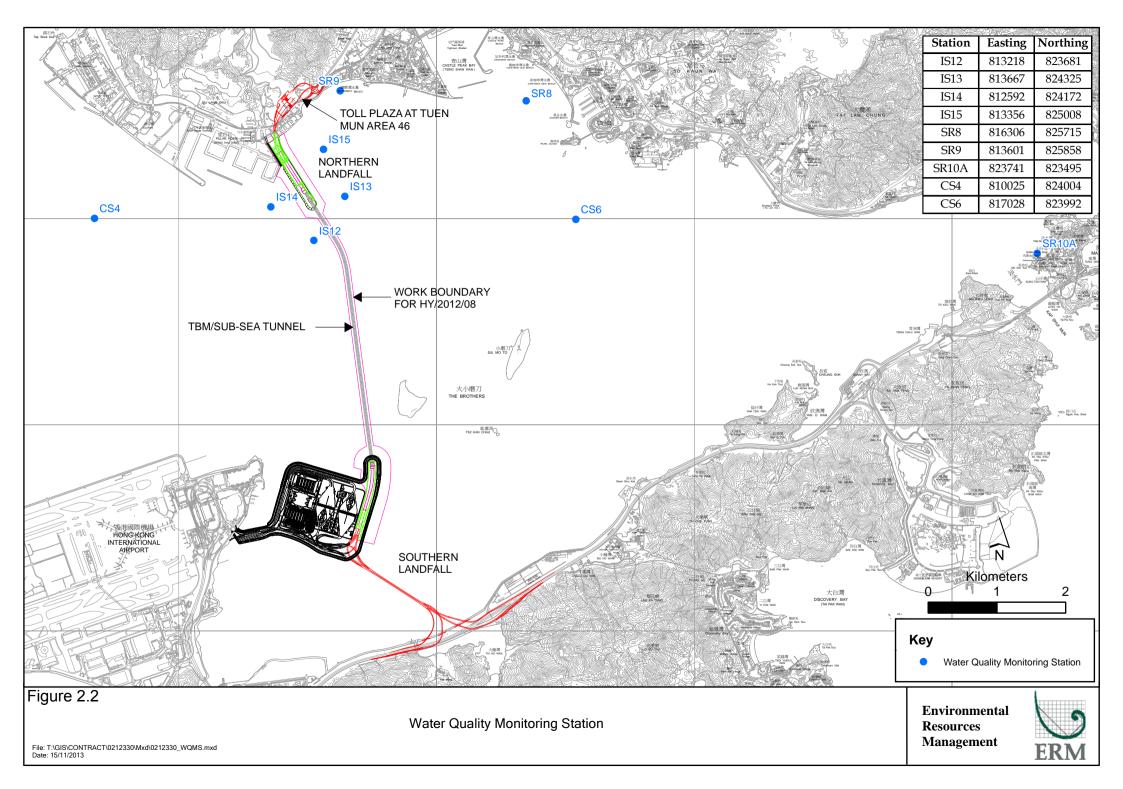


Table 2.6 Water Quality Monitoring Equipment

Equipment	Model	Qty.
Water Sampler	Kahlsico Water-Bottle Model 135DW 150	1
Dissolved Oxygen Meter	YSI Pro 2030	1
pH Meter	HANNA HI 8314	1
Turbidity Meter	HACH 2100Q	1
Monitoring Position	"Magellan" Handheld GPS Model eXplorist GC	4
Equipment	DGPS Koden KGP913MK2 (1)	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 April 2014 is provided in *Appendix F*.

#### 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-A. A closed grab dredger was used and silt curtains (cage-type and single floating type) 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 thirteen monitoring events were undertaken in which no Action or Limit Level of water quality exceedance 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

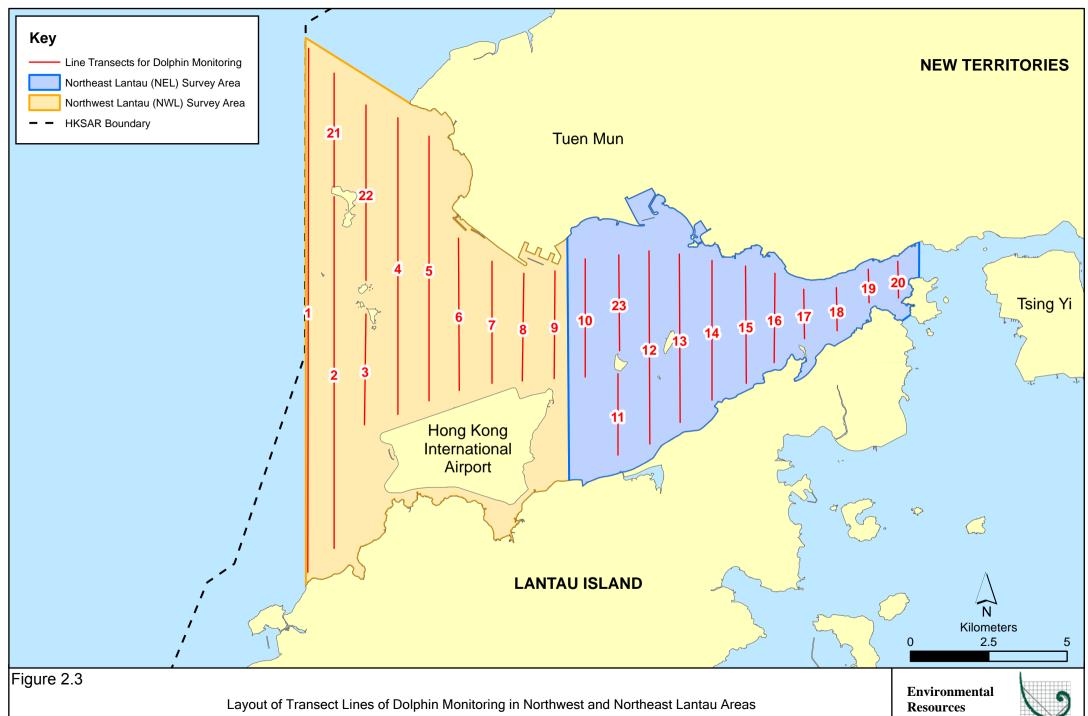
Equipment	Model
Global Positioning System (GPS)	Garmin 18X-PC
	Geo One Phottix
Camera	Nikon D90 300m 2.8D fixed focus
	Nikon D90 20-300m zoom lens
Laser Binocular	Infinitor LRF 1000
Marine Binocular	Bushell 7 x 50 marine binocular with compass and reticules
Vessel for Monitoring	65 foot single engine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



File: T:\GIS\CONTRACT\0212330\Mxd\0212330\_Transect\_of\_Dolphin\_Monitoring.mxd Date: 29/11/2013

Management



 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 4, 14, 16 and 24 April 2014. The dolphin monitoring schedule for the reporting month is shown in *Appendix F*.

#### 2.3.7 Results & Observations

A total of 296.94 km of survey effort was collected, with 79.8% of the total survey effort being conducted under favourable weather conditions (ie Beaufort Sea State 3 or below with good visibility) in April 2014. Amongst the two areas, 117.60 km and 179.34 km of survey effort were collected from NEL and NWL survey areas, respectively. The total survey effort conducted on primary and secondary lines were 213.95 km and 82.99 km, respectively. The survey efforts are summarized in *Appendix J*.

A total of 8 groups of 30 Chinese White Dolphin sightings were recorded during the two sets of surveys in April 2014. All sightings were made in NWL during the two sets of surveys in April 2014, with no dolphin being sighted in NEL. Five of the eight sightings were made on primary lines during on-effort search and none of the dolphin groups was associated with operating fishing vessel.

None of these 8 sightings was made in the vicinity of the TM-CLKL Northern Landfall. 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 April 2014 with the results present in *Tables* 2.9 and 2.10.

Table 2.9 Individual Survey Event Encounter Rates

		Encounter rate (STG)	Encounter rate (ANI)
		(no. of on-effort dolphin	(no. of dolphins from all on-
		sightings per 100 km of	effort sightings per 100 km of
		survey effort)	survey effort)
		Primary Lines Only	Primary Lines Only
NEL	Set 1: Apr 4th/14th	0.0	0.0
NEL	Set 2: Apr 16th/24th	0.0	0.0
NWL	Set 1: Apr 4th/14th	4.9	26.9
INVVL	Set 2: Apr 16th/24th	4.9	11.5

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

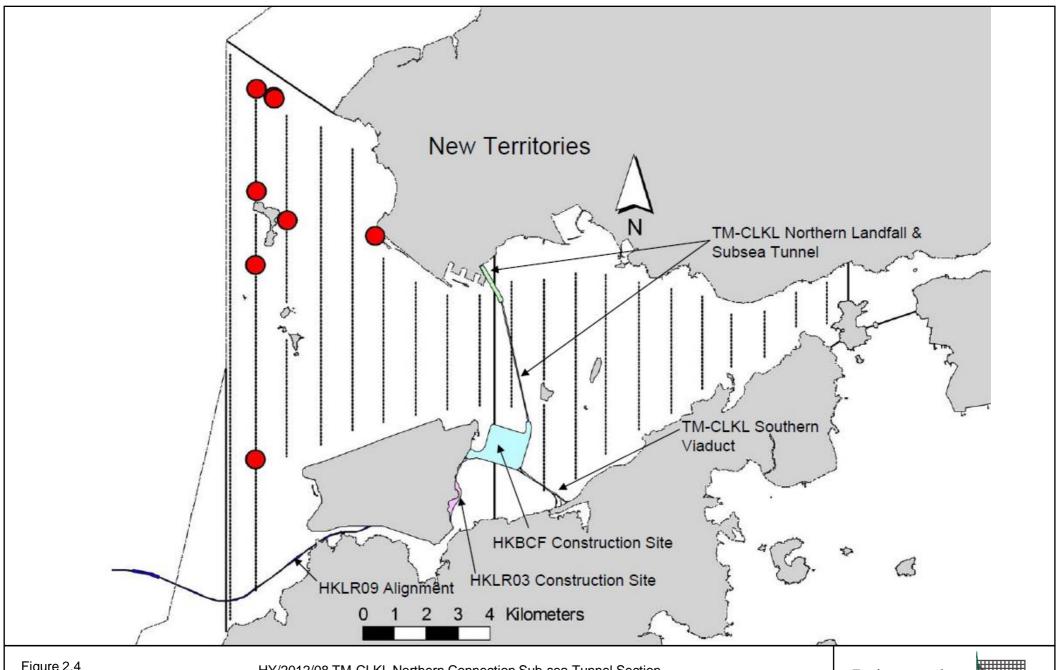


Figure 2.4

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 April 2014)

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Table 2.10 Monthly Average Encounter Rates

	(no. of on-ef	rate (STG) fort dolphin 00 km of survey ort)	Encounter rate (ANI)  (no. of dolphins from all on- effort sightings per 100 km of survey effort)			
	Primary Lines Only	Both Primary and Secondary Lines	Primary Lines Only	Both Primary and Secondary Lines		
Northeast Lantau	0.0	0.0	0.0	0.0		
Northwest Lantau	4.9	5.2	17.7	20.8		

Note: Overall dolphin encounter rates (sightings per 100 km of survey effort) from all four surveys are conducted in April 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 April 2014 was 3.75 individuals per group. Most dolphin groups were composed of only 1 - 4 animals with only two larger groups of 8 - 9 animals being sighted.

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 April 2014 during the exclusion zone monitoring.

#### 2.4 POST-TRANSLOCATION CORAL MONITORING

The Second Quarterly Post-Translocation Coral Monitoring was conducted on 16 April 2014 and results were detailed in the *Second Quarterly Post-Translocation Coral Monitoring Report*. The findings indicated that the Action or Limit Levels for coral monitoring were not exceeded as increase in percentage of partial mortality was not detected for both the tagged translocated and natural coral colonies when comparing to the pretranslocation dataset.

#### 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 1, 8, 16, 22 and 30 April 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
1 April 2014	<ul> <li>Barge - Tai Hip 2</li> <li>Chemical containers on the barge was observed without drip tray.</li> <li>Oil spillage was observed in the water adjacent to the barge.</li> <li>Portion N6</li> <li>Bunds should be provided to avoid sediment</li> </ul>	<ul> <li>Barge - Tai Hip 2</li> <li>The Contractor was reminded to provide drip tray for the chemical containers to avoid chemical spillage.</li> <li>The Contractor was reminded to clean up the oil spill as chemical waste.</li> </ul>
	runoff into the sea.	The Contractor was reminded to provide bunds.
8 April 2014	Barge - GBFC  Chemical containers and oil drum on the barge were observed without drip tray.	Barge - GBFC  The Contractor was reminded to provide drip tray for chemical containers and oil drum on the barge.
	<ul> <li>Reclamation Area - Zone E</li> <li>Sandy materials were observed on the seawall block next to the barge.</li> </ul> Leader F53	<ul> <li>Reclamation Area - Zone E</li> <li>The Contractor was reminded to regularly clear the sandy materials on the seawall block.</li> </ul>
	<ul> <li>Acoustic decoupling measures should be placed underneath all generators.</li> </ul>	<ul> <li>Leader F53</li> <li>The Contractor was reminded to check all generators for acoustic decoupling measures on newly arrived vessels.</li> </ul>
16 April 2014	Reclamation Area – Zone E     Drip tray should be provided to the chemical containers.	Reclamation Area – Zone E  The Contractor was reminded to provide drip tray for the chemical containers.
22 April 2014	<ul> <li>Barge - CA1</li> <li>Acoustic decoupling measures should be properly installed underneath the generator.</li> <li>Barge - Wing Ko</li> <li>Excess materials were observed on the deck of</li> </ul>	Barge – CA1  • The Contractor was reminded to check all the generators for proper implementation of acoustic decoupling measures.
	the barge and on top of seawall blocks.  Portion N6  Excess materials were observed on the edge of the site area.	<ul> <li>Barge - Wing Ko</li> <li>Excess materials should be cleared regularly on the deck of the barge and on top of seawall blocks.</li> </ul>
		<ul> <li>Portion N6</li> <li>Excess materials should be cleared regularly on the edge of the site area to avoid runoff.</li> </ul>

Inspection Date	Observations	Recommendations/ Remarks				
30 April 2014	Portion N6	Portion N6				
	<ul> <li>Silty water was observed near the drilling machine.</li> <li>Excess materials were observed on the edge of</li> </ul>	<ul> <li>The Contractor was reminded to clean up the silty water.</li> <li>The Contractor was reminded to clear</li> </ul>				
	the site area.	the excess materials to avoid runoff.				

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, recyclable materials 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	Imported	Inert	Non-inert	Recyclable	Chemical	Marine Sediment (m³)		
	Construction	Fill (tonnes)	Construction	Construction	Construction Materials (c)		Category	Category M	
	Waste (a)		Waste Re-	Waste (b)	(kg)	(kg)	L	$(M_p \& M_f)$	
	(tonnes)		used	(tonnes)				, ,	
			(tonnes)						
April 2014	22	467,867	0	26	160	0	28,600	15,400	

#### 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	6 March 2014	31 March 2019	DBJV	For site Portion N6
Construction Noise Permit	GW-RW0822-13	14 November 2013	10 May 2014	DBJV	For site WA18
Construction Noise Permit	GW-RS0814-13	15 November 2013	10 May 2014	DBJV	For site WA23
Construction Noise Permit	GW-RW0077-14	17 February 2014	16 August 2014	DBJV	For Portion N6
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
Marine Dumping Permit	EP/MD/14-072	1 November 2013	30 April 2014	DBJV	For Type 1
Marine Dumping Permit	EP/MD/14-157	3 April 2014	30 April 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

One Action level exceedance of 1-hr TSP was recorded on 3 April 2014. No Limit Level exceedances for 1-hr TSP were recorded. No Action or Limit Level exceedances for 24-hr TSP were record. Further to the investigation, the recorded exceedance for air quality monitoring was considered to be sporadic event from the cumulative anthropogenic activities (eg traffic emissions from Lung Mun Road and River Trade Terminal) in this area of Hong Kong, thus the Project works were highly unlikely to be the major cause of the recorded exceedance. The investigation findings are detailed in *Appendix L*.

No Action or Limit Level exceedances were recorded in the water quality (1) and coral monitoring of this reporting month.

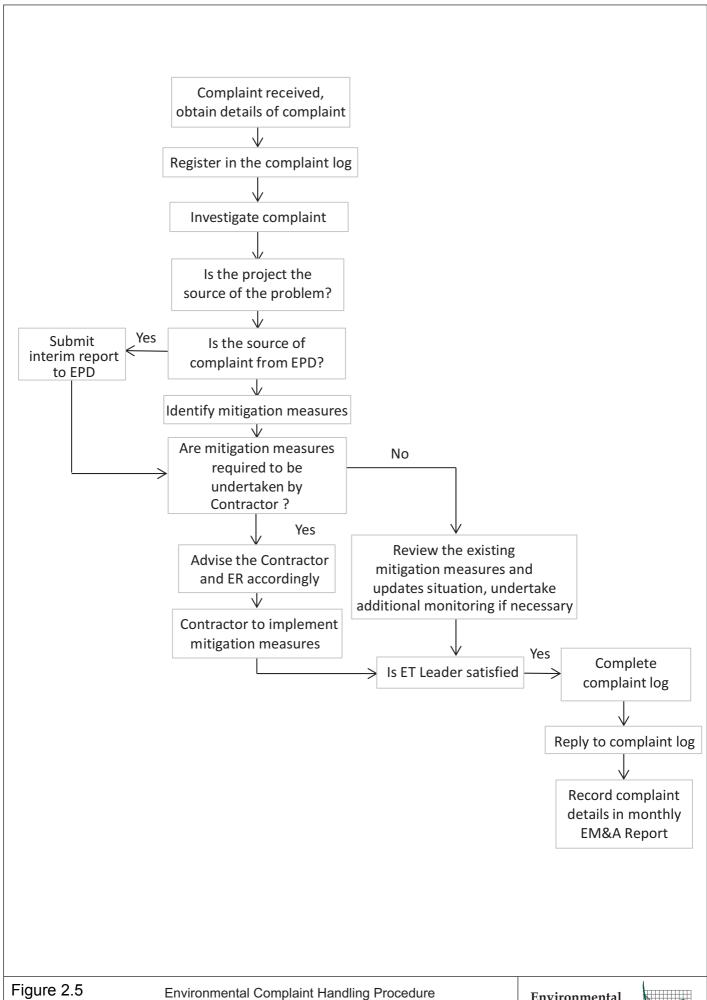
# 2.10 SUMMARY OF COMPLAINTS, NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTIONS

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*.

<sup>(</sup>¹) With reference to Section 2.8 of the Fifth Monthly Environmental Monitoring & Audit Report (dated 11 April 2014), the investigation findings for exceedances recorded in the water quality monitoring on 31 March 2014 is supplemented in Appendix L.



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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 May 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
- Reclamation filling
- Vertical Seawall construction
- Sloping Seawall construction
- Marine Sheet Piling for Box Culvert extension
- Predrilling for Box culvert Foundation

#### Land-based Works

#### Portion N6

- CLP Substation underground utilities works
- CLP Substation Superstructure

#### 3.2 KEY ISSUES FOR THE COMING MONTH

Potential environmental impacts arising from the above upcoming construction activities in the next reporting month of May 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 May 2014 is provided in *Appendix F*.

#### 4 CONCLUSIONS AND RECOMMENDATIONS

#### 4.1 CONCLUSIONS

This Sixth Monthly EM&A Report presents the findings of the EM&A activities undertaken during the period from 1 to 30 April 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, dolphin monitoring and second quarterly post-translocation coral monitoring were carried out in this reporting month. No Action or Limit Level exceedances were recorded in the water quality monitoring and coral monitoring of this reporting month. One (1) Action Level exceedance of 1-hr TSP was record in this reporting month. No Limit Level exceedances for 1-hr TSP were recorded. No Action or Limit Level exceedances for 24-hr TSP were record. Investigation findings suggested that the Project works were not the major cause of the recorded exceedance for air quality monitoring. 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 eight (8) groups of thirty (30) Chinese White Dolphin sightings were recorded during the two sets of surveys in April 2014. All sightings were made in NWL during the two sets of surveys in April, with no dolphin being sighted in NEL. Five of the eight 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 April 2014. Recommendations on remedial actions recommended for the deficiencies identified during the site audits were properly implemented by the Contractor.

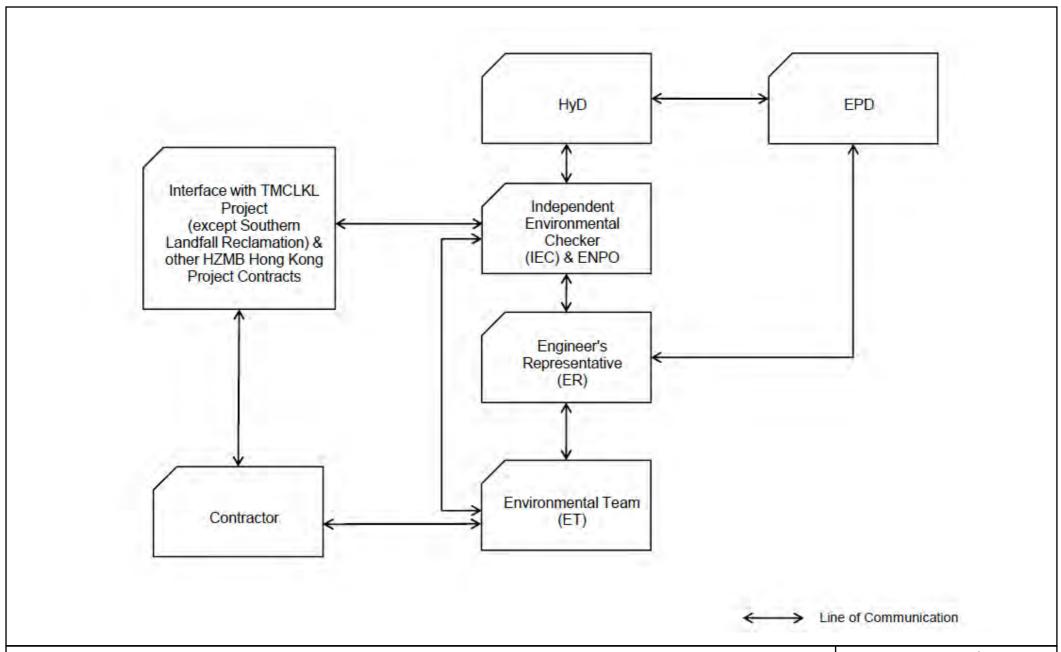
No non-compliance event was recorded during the reporting period.

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

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

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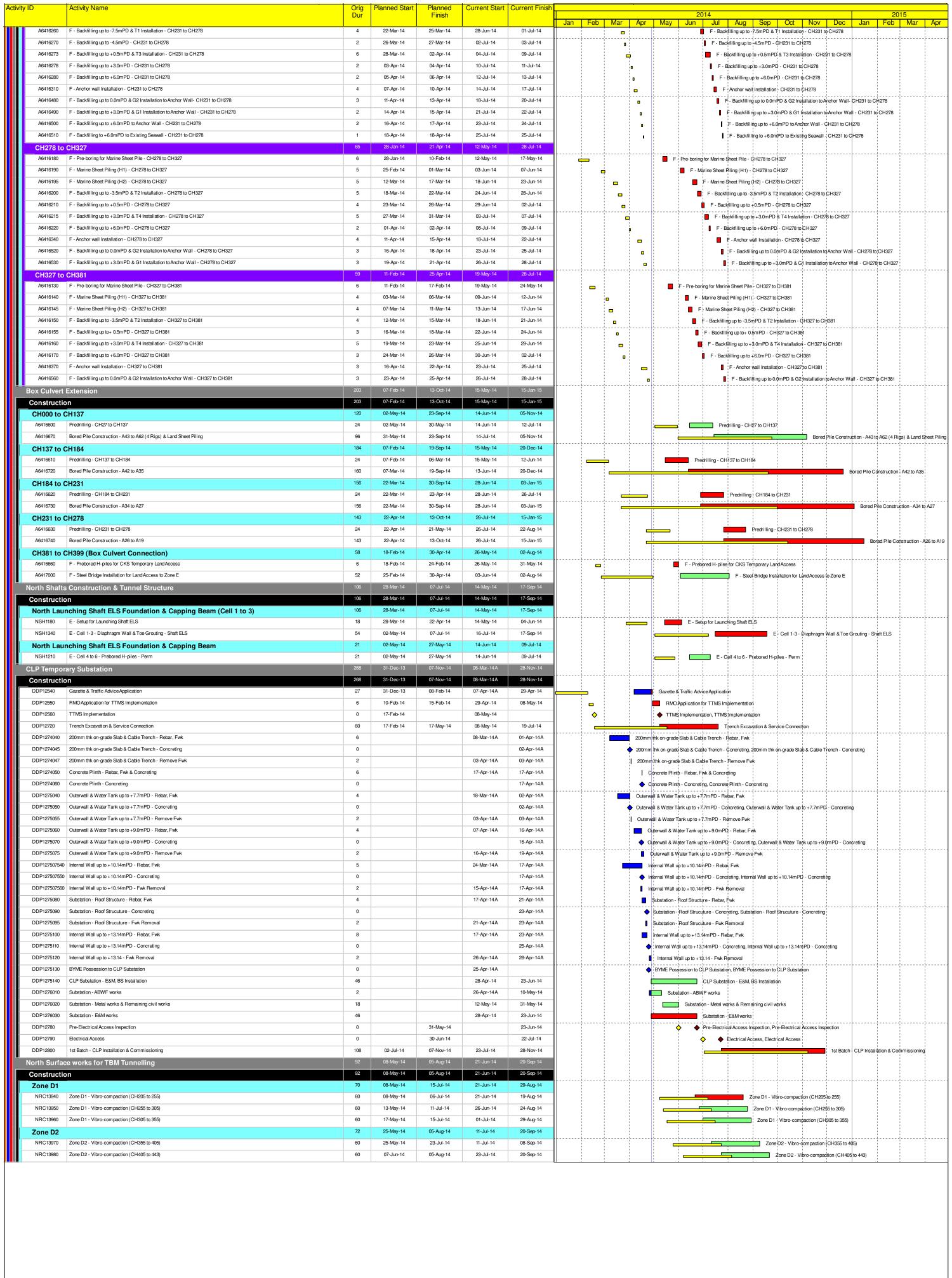
### Appendix B

# Three-Month Rolling Construction Programme

Activity ID Activity Name	Orig Dur	Planned Start	Planned Finish	Current Start	Current Finish	2014 2015
TMCLK - Northern Connection Sub-Sea Tunnel Section	361	25-Oct-13	07-Nov-14	25-Oct-13A	15-Jan-15	Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr
Construction  Northern Landfall	361 361	25-Oct-13 25-Oct-13	07-Nov-14 07-Nov-14	25-Oct-13A 25-Oct-13A	15-Jan-15 15-Jan-15	
North Reclamation (Phase 1)  Construction	224	25-Oct-13 25-Oct-13	18-Jun-14 18-Jun-14	25-Oct-13 A 25-Oct-13 A	02-Aug-14 02-Aug-14	
Milestones  NRC10020 200m Leading Seawall for Reclamation: 100-150 (Zone E)	144 0	20-Jan-14 20-Jan-14	06-Jun-14	02-Apr-14A 02-Apr-14A	22-Jul-14	♦ 200m Leading Seawall for Reclamation: 100-150 (Zone E), 200m Leading Seawall for Reclamation: 100-150 (Zone E)
NRC10030 200m Leading Seawall for Reclamation: 150-205 (Zone E)	0	28-Jan-14 12-Feb-14		17-Apr-14A		♦ 200m Leading Seawall for Reclamation: 150-205 (Zone E), 200m Leading Seawall for Reclamation: 150-205 (Zone E)
NRC10040 200m Leading Seawall for Reclamation: 200-250 (Zone D1)  NRC10050 200m Leading Seawall for Reclamation: 250-300 (Zone D1)	0	20-Feb-14		28-Apr-14 29-Apr-14		<ul> <li>♦ 200m Leading Seawall for Reclamation: 200-250 (Zone D1), 200m Leading Seawall for Reclamation: 200-250 (Zone D1)</li> <li>♦ 200m Leading Seawall for Reclamation: 250-300 (Zone D1), 200m Leading Seawall for Reclamation: 250-300 (Zone D1)</li> </ul>
NRC10060 200m Leading Seawall for Reclamation: 300-350 (Zone D1)  NRC10070 200m Leading Seawall for Reclamation: 350-400 (Zone D2)	0	03-Mar-14 13-Mar-14		02-May-14 14-May-14		<ul> <li>♦ 200m Leading Seawall for Reclamation: 300-350 (Zone D1), 200m Leading Seawall for Reclamation: 300-350 (Zone D1)</li> <li>♦ 200m Leading Seawall for Reclamation: 350-400 (Zone D2), 200m Leading Seawall for Reclamation: 350-400 (Zone D2)</li> </ul>
NRC10080 200m Leading Seawall for Reclamation: 400-450 (Zone D2)  NRC10090 200m Leading Seawall for Reclamation: 450-500 (Zone C1)	0	24-Mar-14 29-Mar-14		24-May-14 30-May-14		<ul> <li>♦ 200m Leading Seawall for Reclamation: 400-450 (Zone D2), 200m Leading Seawall for Reclamation: 400-450 (Zone D2)</li> <li>♦ 200m Leading Seawall for Reclamation: 450-500 (Zone C1), 200m Leading Seawall for Reclamation: 450-500 (Zone C1)</li> </ul>
NRC10100 200m Leading Seawall for Reclamation: 500-550 (Zone C1)	0	04-Apr-14		18-Jun-14		♦ 200m Leading/Seawall for Reclamation: 500-550 (Zone C1), 200m Leading Seawall for Reclamation: 500-550 (Zone C1)
NRC10110 200m Leading Seawall for Reclamation: 550-600 (Zone C2)  NRC10120 200m Leading Seawall for Reclamation: 600-650 (Zone B)	0	11-Apr-14 28-Apr-14		10-Jul-14 22-Jul-14		<ul> <li>♦ 200m Leading Seawall for Reclamation: 550-600 (Zone C2), 200m Leading Seawall for Reclamation: 550-600 (Zone B), 200m Leading Seawall for Reclamation: 600-650</li> <li>♦ 200m Leading Seawall for Reclamation: 600-650 (Zone B), 200m Leading Seawall for Reclamation: 600-650</li> </ul>
NRC13140 Completion of Zone E Reclamation up to +10mPD  NRC13150 Completion of Zone D1 Reclamation up to +5.0mPD	0		30-Apr-14 16-May-14		13-Jun-14 30-Jun-14	<ul> <li>♦ Completion of Zone E Reclamation up to +10mPD, Completion of Zone E Reclamation up to +10mPD</li> <li>♦ Completion of Zone D1 Reclamation up to +5.0mPD, Completion of Zone D1 Reclamation up to +5.0mPD</li> </ul>
NRC13170 Completion of Zone D2 Relamation up tp +5.0mPD  Ground Investigation	0	25-Oct-13	06-Jun-14 30-Apr-14	25-Oct-13A	22-Jul-14 10-May-14	♦ Completion of Zone D2 Relamation up tp +5.0mPD, Completion of Zone D2 Relamation up tp +5.0mPD
DDP09010 Ground Investigation (Phase 2) - Northern Landfall & Sub-sea Tunnel	138	25-Oct-13	30-Apr-14	25-Oct-13A	10-May-14	Ground Investigation (Phase 2) - Northern Landfall & Sub-sea Tunnel
Zone E  Vertical Seawall	135	16-Dec-13	13-Jun-14 13-Jun-14	15-Feb-14A 15-Feb-14A	13-Jun-14 13-Jun-14	
NRC10340         VS - Rockfill Type A - Zone E - (CH100 to 150)           NRC10350         VS - Rockfill Type A - Zone E - (CH150 to 205)	3	16-Dec-13 28-Dec-13	18-Dec-13 02-Jan-14	15-Feb-14A 20-Feb-14A	03-Apr-14A 09-Apr-14A	VS - Rockfill Type A- Zone E - (CH100 to 150)  VS - Rockfill Type A- Zone E - (CH150 to 205)
NRC10380 VS - Geotextile - Zone E - (CH100 to 150)  NRC10390 VS - Geotextile - Zone E - (CH150 to 205)	2	19-Dec-13 03-Jan-14	20-Dec-13 04-Jan-14	22-Feb-14A 03-Mar-14A	03-Apr-14A 09-Apr-14A	VS - Geotextile - Zone E - (CH100 to 150)  VS - Geotextile - Zone E - (CH150 to 205)
NRC10420 VS - Granular Filter - Zone E - (CH100 to 150)	4	31-Dec-13	04-Jan-14	15-Feb-14A	03-Apr-14A	VS - Granular Filter - Zone E - (CH100 to 150)
NRC10430 VS - Granular Filter - Zone E - (CH150 to 205)  NRC10480 VS - Mass Concrete Coping - Zone E - (CH0 to 50)	8	06-Jan-14 02-May-14	10-Jan-14 12-May-14	06-Mar-14A 02-May-14*	09-Apr-14A 12-May-14	VS - Granular Fitter - Zone E- (CH150 to 205)  VS - Mass Concrete Coping - Zone E - (CH0 to 50)
NRC10490 VS - Mass Concrete Coping - Zone E - (CH50 to 100)  NRC10500 VS - Mass Concrete Coping - Zone E - (CH100 to 150)	8	13-May-14 22-May-14	21-May-14 30-May-14	13-May-14 22-May-14	21-May-14 30-May-14	VS - Mass Concrete Coping - Zone E - (CH50 to 100)  US - Mass Concrete Coping - Zone E - (CH100 to 150)
NRC10510 VS - Mass Concrete Coping - Zone E - (CH150 to 205)  Reclamation	11 95	31-May-14 15-Feb-14	13-Jun-14 30-Apr-14	31-May-14 05-Mar-14 A	13-Jun-14 13-Jun-14	VS Mass Condrete Coping - Zone E - (CH150 to 205)
NRC10590 Reclamation - Sand Blanket - Zone E - (CH150 to 205)	2	28-Feb-14	01-Mar-14	05-Mar-14A	29-Mar-14A	
NRC10620 Reclamation - Band Drain - Zone E - (CH100 to 150)  NRC10630 Reclamation - Band Drain - Zone E - (CH150 to 205)	2	24-Feb-14 03-Mar-14	27-Feb-14 06-Mar-14	07-Mar-14A 01-Apr-14A	04-Apr-14A 29-Apr-14	Reclamation - Band Drain - Zone E - (CH100 to 150)  Reclamation - Band Drain - Zone E - (CH150 to 205)
NRC10640         Public Fill - Zone E - (CH0 to 50) to -2.5mPD           NRC10650         Public Fill - Zone E - (CH50 to 100) to -2.5mPD	5 2	15-Feb-14 21-Feb-14	20-Feb-14 26-Feb-14	21-Mar-14A 14-Apr-14A	21-Apr-14A 30-Apr-14	Public Fill - Zone E - (CH0 to 50) to -2.5mPD
NRC10660 Public Fill - Zone E - (CH100 to 150) to -2.5mPD  NRC10670 Public Fill - Zone E - (CH150 to 205) to -2.5mPD	1 4	07-Mar-14 28-Mar-14	11-Mar-14 01-Apr-14	21-Apr-14A 16-May-14	07-May-14 20-May-14	Public   Fill - Zone   E - (CH100 to 150) to -2.5mPD
NRC10680 Public Fill - Zone E - (CH150 to 203) to -2.5mPD  NRC10680 Public Fill - Zone E - (CH0 to 50) to +2.5mPD	6	27-Feb-14	06-Mar-14	18-Mar-14A	02-May-14	Public Fill - Zone E - (CH0 to 50) to +2.5mPD
NRC10690         Public Fill - Zone E - (CH50 to 100) to +2.5mPD           NRC10700         Public Fill - Zone E - (CH100 to 150) to +2.5mPD	2	12-Mar-14 20-Mar-14	19-Mar-14 27-Mar-14	22-Mar-14A 18-Apr-14A	08-May-14 15-May-14	Public Fill - Zone E - (CH50 to 100) to +2.5mPD  Public Fill - Zone E - (CH100 to 150) to +2.5mPD
NRC10710 Public Fill - Zone E - (CH150 to 205) to +2.5mPD  NRC10720 Public Fill - Zone E - (CH0 to 50) to +6.0mPD	7	02-Apr-14 20-Mar-14	10-Apr-14 27-Mar-14	17-May-14 21-Mar-14A	24-May-14 13-May-14	Public Fill - Zone E - (CH150 to 205) to +2.5mPD  Public Fill - Zone E - (CH0 to 50) to +6.9mPD
NRC10730 Public Fill - Zone E - (CH50 to 100) to +6.0mPD  NRC10740 Public Fill - Zone E - (CH100 to 150) to +6.0mPD	1 7	02-Apr-14 11-Apr-14	10-Apr-14 22-Apr-14	01-Apr-14A 28-May-14	27-May-14 05-Jun-14	Public Fill - Zone E - (CH50 to 100) to +6.0mPD  Public Fill - Zone E - (CH100 to 150) to +6.0mPD
NRC10750 Public Fill - Zone E - (CH150 to 205) to +6.0mPD	7	23-Apr-14	30-Apr-14	06-Jun-14	13-Jun-14	Public Fill - Zone E - (CH100 to 150) to +6.0mPD  Public Fill - Zone E - (CH150 to 205) to +6.0mPD
Zone D1  Vertical Seawall	142	16-Dec-13 20-Jan-14	09-Jun-14 09-Jun-14	18-Mar-14A 18-Mar-14A	05-Jul-14 05-Jul-14	
NRC10980 VS - Seawall Block - Zone D1 - (CH305 to 355)  NRC11010 VS - Rockfill Type A - Zone D1 - (CH205 to 255)	7 5	20-Jan-14 20-Jan-14	27-Jan-14 25-Jan-14	18-Mar-14A 18-Mar-14A	02-Apr-14A 28-Apr-14	VS - Seawall Block - Zone D1 - (CH305 to 355)  VS - Rockfill Type A - Zone D1 - (CH205 to 255)
NRC11020 VS - Rockfill Type A - Zone D1 - (CH255 to 305)  NRC11030 VS - Rockfill Type A - Zone D1 - (CH305 to 355)	2	27-Jan-14 30-Jan-14	29-Jan-14 08-Feb-14	26-Mar-14A 01-Apr-14A	29-Apr-14 30-Apr-14	VS - Rockfill Type A - Zone D1 - (CH255 to 305)
NRC11060 VS - Rocklill Type A- 20te D1 - (CH305 to 355)  NRC11060 VS - Geotextile - Zone D1 - (CH205 to 255)	3	30-Jan-14	08-Feb-14	21-Mar-14A	30-Apr-14	VS - Rockfill Type A-Zone D1 - (CH305 to 355)  VS - Geoţextile - Zone D1 - (CH205 to 255)
NRC11070         VS - Geotextile - Zone D1 - (CH255 to 305)           NRC11080         VS - Geotextile - Zone D1 - (CH305 to 355)	2	10-Feb-14 12-Feb-14	11-Feb-14 13-Feb-14	25-Mar-14A 02-Apr-14A	02-May-14 03-May-14	VS - Geotextile - Zone D1 - (CH255 to 305)  VS - Geotextile - Zone D1 - (CH305 to 355)
NRC11140 VS - Granular Filter - Zone D1 - (CH205 to 255)  NRC11210 VS - Granular Filter - Zone D1 - (CH255 to 305)	6	12-Feb-14 20-Feb-14	19-Feb-14 24-Feb-14	24-Mar-14A 27-Mar-14A	03-May-14 05-May-14	VS - Granular Filter - Zone D1 - (CH205 to 255)  VS - Granular Filter - Zone D1 - (CH255 to 305)
NRC11280 VS - Granular Filter - Zone D1 - (CH305 to 355)	2	25-Feb-14	28-Feb-14	03-Apr-14A	08-May-14	VS - Granular Filter - Zone D1 - (CH305 to 355)
NRC11720 VS - Mass Concrete Coping - Zone D1 - (CH205 to 255)  NRC11790 VS - Mass Concrete Coping - Zone D1 - (CH255 to 305)	8	02-May-14 21-May-14	20-May-14 29-May-14	29-May-14* 17-Jun-14	17-Jun-14 25-Jun-14	VS - Mass Concrete Coping - Zone D1 - (CH205 to 255)  US - Mass Concrete Coping - Zone D1 - (CH255 to 305)
NRC11860 VS - Mass Concrete Coping - Zone D1 - (CH305 to 355)  Sloping Seawall	140	30-May-14 16-Dec-13	09-Jun-14 19-May-14	26-Jun-14 25-Mar-14 A	05-Jul-14 03-Jul-14	VS - Máss Concreté Coping - Zone D1 - (CH305 to 355)
NRC1202090 VS - Mass Concrete Coping - Zone D1 - RTT  NRC13610 SS - Armour Rock Underlayer - Zone D1 - (CH255 to 305)	4 5	26-Apr-14 27-Dec-13	02-May-14 02-Jan-14	12-Jun-14 28-Apr-14	17-Jun-14 03-May-14	VS - Mass Concrete Coping - Zone D1 - RTT  SS - Armour Rock Underlayer - Zone D1 - (CH255 to 305)
NRC13690 SS - Armour Rock Underlayer - Zone D1 - (CH305 to 355)  NRC14070 SS - Armour Rock - Zone D1 - (CH255 to 305)	5	03-Jan-14 03-Jan-14	08-Jan-14 07-Jan-14	05-May-14 05-May-14	10-May-14 09-May-14	SS - Armour Rock Underlayer - Zone D1 - (CH305 to 355)
NRC14080 SS - Armour Rock - Zone D1 - (CH305 to 355)	4	08-Jan-14	11-Jan-14	10-May-14	14-May-14	SS - Armour Rock - Zone D1 - (CH255 to 305)  SS - Armour Rock - Zone D1 - (CH305 to 355)
NRC14120 SS - Mass Concrete Coping - Zone D1 - (CH255 to 305)  NRC14130 SS - Mass Concrete Coping - Zone D1 - (CH305 to 355)	7	02-May-14 12-May-14	10-May-14 19-May-14	17-Jun-14 25-Jun-14	24-Jun-14 03-Jul-14	SS - Mass Concrete Coping - Zone D1 - (CH255 to 305)
NRC14170         Sloping - Rockfill Type A - Zone D1 - (CH255 to 305)           NRC14180         Sloping - Rockfill Type A - Zone D1 - (CH305 to 355)	1	16-Dec-13 27-Dec-13	16-Dec-13 27-Dec-13	01-Apr-14A 01-Apr-14A	02-Apr-14A 02-Apr-14A	Sloping - Rockfill Type A - Zone D1 - (CH255 to 305)  Sloping - Rockfill Type A - Zone D1 - (CH305 to 355)
NRC14220 Sloping - Geotextile - Zone D1 - (CH255 to 305)  NRC14230 Sloping - Geotextile - Zone D1 - (CH305 to 355)	1	17-Dec-13	17-Dec-13	29-Mar-14A	31-Mar-14A	Sloping - Geotextile - Zone D1 - (CH255 to 305)
NRC14230 Sloping - Geotextile - Zone D1 - (CH305 to 355)  NRC14270 Sloping - Granular Filter - Zone D1 - (CH255 to 305)	2	28-Dec-13 18-Dec-13	28-Dec-13 19-Dec-13	01-Apr-14A 01-Apr-14A	02-Apr-14A 03-Apr-14A	Sloping - Geotextile - Zone D1 - (CH305 to 355)  Sloping - Granular Filter - Zone D1 - (CH256 to 305)
NRC14280 Sloping - Granular Filter - Zone D1 - (CH305 to 355)  NRC14320 Reclamation - Geotextile - Zone D1 - (CH255 to 305)	6	30-Dec-13 07-Mar-14	31-Dec-13 13-Mar-14	04-Apr-14A 25-Mar-14A	08-Apr-14A 01-Apr-14A	Sloping - Granular Filter - Zone D1 - (CH305 to 355)  Reclamation - Geotektile - Zone D1 - (CH255 to 305)
NRC14330 Reclamation - Geotextile - Zone D1 - (CH305 to 355)  NRC14360 Reclamation - Sand Blanket - Zone D1 - (CH205 to 255)	6 2	14-Mar-14 07-Mar-14	20-Mar-14 08-Mar-14	02-Apr-14A 31-Mar-14A	10-Apr-14A 04-Apr-14A	
NRC14370 Reclamation - Sand Blanket - Zone D1 - (CH255 to 305)  NRC14380 Reclamation - Sand Blanket - Zone D1 - (CH305 to 355)	1	14-Mar-14 21-Mar-14	15-Mar-14 22-Mar-14	01-Apr-14A	28-Apr-14	Reclamation - Sand Blanket - Zone D1 - (CH255 to 305)
NRC14430 Reclamation - Sand Blanket - Zone D1 - (CH305 to 355)  NRC14410 Reclamation - Band Drain - Zone D1 - (CH205 to 255)	5	10-Mar-14	14-Mar-14	07-Apr-14A 30-Apr-14	28-Apr-14 07-May-14	Reclamation - Sand Blanket - Zone D1 - (CH305 to 355)  Reclamation - Band Drain - Zone D1 - (CH205 to 255)
NRC14420 Reclamation - Band Drain - Zone D1 - (CH255 to 305)  NRC14430 Reclamation - Band Drain - Zone D1 - (CH305 to 355)	5	17-Mar-14 24-Mar-14	21-Mar-14 28-Mar-14	08-May-14 14-May-14	13-May-14 19-May-14	Reclamation - Band Drain - Zone D1 - (CH255 to 305)
NRC11780	34	02-Apr-14 02-Apr-14	16-May-14 04-Apr-14	21-May-14 21-May-14	30-Jun-14 23-May-14	Compacted Sandfill - Zone D1 - (CH205 to 255) to -2.5mPD
NRC13270 Compacted Sandfill - Zone D1 - (CH255 to 305) to -2.5mPD  NRC13280 Compacted Sandfill - Zone D1 - (CH305 to 355) to -2.5mPD	3	07-Apr-14	09-Apr-14	24-May-14 28-May-14	27-May-14 30-May-14	□ Compacted Sandfill - Zone D1 - (CH255 to 305) to -2.5mPD
NRC13280 Compacted Sandfill - Zone D1 - (CH305 to 355) to -2.5mPD  NRC13290 Public Fill - Zone D1 - (CH205 to 255) to -2.5mPD	1	07-Apr-14	07-Apr-14	24-May-14	24-May-14	□
NRC13300         Public Fill - Zone D1 - (CH255 to 305) to -2.5mPD           NRC13310         Public Fill - Zone D1 - (CH305 to 355) to -2.5mPD	2	10-Apr-14 14-Apr-14	11-Apr-14 15-Apr-14	28-May-14 31-May-14	29-May-14 03-Jun-14	□ Public Fill - Zone D1 - (CH255 to 305) to -2.5mPD □ Public Fill - Zone D1 - (CH305 to 355) to -2.5mPD
	3	08-Apr-14 12-Apr-14	10-Apr-14 15-Apr-14	26-May-14 30-May-14	28-May-14 03-Jun-14	□ Compacted Sandfill - Zone D1 - (CH205 to 25\$) to +2.5mPD □ Compacted Sandfill'- Zone D1 - (CH255 to 305) to +2.5mPD
NRC13350 Compacted Sandfill - Zone D1 - (CH305 to 355) to +2.5mPD  NRC13360 Public Fill - Zone D1 - (CH305 to 255) to +2.5mPD	3	16-Apr-14	22-Apr-14	04-Jun-14	06-Jun-14	Compacted Sandfill - Zone D1 - (CH305 to 355) to +2.5mPD
NRC13360 Public Fill - Zone D1 - (CH205 to 255) to +2.5mPD  NRC13370 Public Fill - Zone D1 - (CH255 to 305) to +2.5mPD	4	11-Apr-14 16-Apr-14	15-Apr-14 23-Apr-14	29-May-14 04-Jun-14	03-Jun-14 07-Jun-14	□ Public Fill - Zone D1 - (CH255 to 255) to +2.5mPD □ Public Fill - Zone D1 - (CH255 to 305) to +2.5mPD
NRC13380 Public Fill - Zone D1 - (CH305 to 355) to +2.5mPD  NRC13390 Compacted Sandfill - Zone D1 - (CH205 to 255) to +5.0mPD	4 2	24-Apr-14 16-Apr-14	28-Apr-14 17-Apr-14	09-Jun-14 14-Jun-14	12-Jun-14 16-Jun-14	□ Public Fill - Zone D1 - (CH305 to 355) to +2.5mPD □ Compacted Sandfill - Zone D1 - (CH205 to 255) to +5.0mPD
NRC13400         Compacted Sandfill - Zone D1 - (CH255 to 305) to +5.0mPD           NRC13410         Compacted Sandfill - Zone D1 - (CH305 to 355) to +5.0mPD	2	24-Apr-14 29-Apr-14	25-Apr-14 30-Apr-14	17-Jun-14 19-Jun-14	18-Jun-14 20-Jun-14	Compacted Sandfill - Zone D1 - (CH255 to 305) to +5.0mPD Compacted Sandfill - Zone D1 - (CH305 to 355) to +5.0mPD
NRC13410 Public Fill - Zone D1 - (CH305 to 255) to +5.0mPD	4	02-May-14	07-May-14	17-Jun-14	20-Jun-14	□ Public Fill - Zone D1 - (CH205 to 255) to +5.0mPD
NRC13430 Public Fill - Zone D1 - (CH255 to 305) to +5.0mPD  NRC13450 Public Fill - Zone D1 - (CH305 to 355) to +5.0mPD	4	08-May-14 13-May-14	12-May-14 16-May-14	21-Jun-14 26-Jun-14	25-Jun-14 30-Jun-14	Public Fill - Zone D1 - (CH255 to 305) to +5.0mPD
NRC13340   Compacted Sandfill - Zone D1 - (CH255 to 305) to +2.5mPD	130 126	08-Jan-14 09-Jan-14	06-Jun-14 03-Jun-14	31-Mar-14A 31-Mar-14A	22-Jul-14 18-Jul-14	
Page 1 of 4 CurrentBar					ea Tunnel Sed	Date Revision Checked Approved  12-Feb-14 TMCLK/DBJ/GEN/PRG/98507 SPa WYu
Project ID: TMCLK_I0.0-101 - B1-1 - B3-5 - B4-44		3-Mon	ths Rolling P	rogramme - (	Construction	TE D
Data Date: 28-Apr-14    Current Milestone  → Progress Milestone  Progress Bar			As of 28-	Apr-14 Progre	ess	A member of the Bouygues Construction group
						Dragages - Bouygues Joint Venture 寶嘉 - 布依格聯營

Activity ID		Activity Name	Orig	Planned Start	Planned	Current Start	Current Finish						2014
	NRC10950	VS - Levelling Stone - Zone D2 - (CH405 to 443)	Dur 4	09-Jan-14	Finish 13-Jan-14	31-Mar-14A	02-Apr-14A	Jan	Feb	Mar	_		2014   2015     2015     2017     2018     2019     201
	NRC10990	VS - Seawall Block - Zone D2 - (CH355 to 405)	7	28-Jan-14	11-Feb-14	05-Apr-14A	17-Apr-14A	i				S - Seawall I	ock - Zone D2 - (CH355 to 405)
		VS - Seawall Block - Zone D2 - (CH405 to 443)  VS - Rockfill Type A- Zone D2 - (CH355 to 405)	1	12-Feb-14 12-Feb-14	19-Feb-14 14-Feb-14	08-Apr-14A 16-Apr-14A	28-Apr-14 03-May-14		-			[¦	wall Block - Žone D2 - (CH405 to 443) ckfill Type A- Zone D2 - (CH355 to 405)
		VS - Rockfill Type A - Zone D2 - (CH405 to 443)  VS - Geotextile - Zone D2 - (CH355 to 405)	1	20-Feb-14 15-Feb-14	22-Feb-14 17-Feb-14	22-Apr-14A 10-Apr-14A	07-May-14 05-May-14					1	ockfill Type;A - Zone D2 - (CH405 to 443) eotextile - Zone D2 - (CH355 to 405)
	NRC11100	VS - Geotextile - Zone D2 - (CH405 to 443)	2	24-Feb-14	25-Feb-14	08-May-14	09-May-14					l vs-	Geotextile - Zone D2 - (CH405 to 443)
		VS - Granular Filter - Zone D2 - (CH355 to 405)  VS - Granular Filter - Zone D2 - (CH405 to 443)	1	01-Mar-14 06-Mar-14	05-Mar-14 10-Mar-14	16-Apr-14A 13-May-14	12-May-14 13-May-14			-		1	Granular Filter - Zone D2 - (CH355 to 405) Granular Filter - Zone D2 - (CH405 to 443)
		VS - Mass Concrete Coping - Zone D2 - (CH355 to 405) VS - Mass Concrete Coping - Zone D2 - (CH405 to 443)	8	12-May-14 23-May-14	21-May-14 03-Jun-14	26-Jun-14 09-Jul-14	07-Jul-14 18-Jul-14						VS - Mass Concrete Coping - Zone D2 - (CH355 to 405)  V\$ - Mass Concrete Coping - Zone D2 - (CH405 to 443)
	Sloping Se	eawall	123	08-Jan-14	05-Jun-14	15-Apr-14A	19-Jul-14						
		SS - Armour Rock Underlayer - Zone D2 - (CH355 to 405) SS - Armour Rock Underlayer - Zone D2 - (CH405 to 443)	5	09-Jan-14 15-Jan-14	14-Jan-14 20-Jan-14	12-May-14 17-May-14	16-May-14 22-May-14		1			-	S - Armour Rock Underlayer - Zone D2 - (CH355 to 405) SS - Armour Rock Underlayer - Zone D2 - (CH405 to 443)
		SS - Armour Rock - Zone D2 - (CH355 to 405) SS - Armour Rock - Zone D2 - (CH405 to 443)	4	13-Jan-14 17-Jan-14	16-Jan-14 21-Jan-14	15-May-14 20-May-14	19-May-14 23-May-14					-	S - Armour Rock - Zone D2 - (CH355 to 405) SS - Armour Rock - Zone D2 - (CH405 to 443)
		SS - Mass Concrete Coping - Zone D2 - (CH355 to 405)	7	20-May-14	27-May-14	04-Jul-14	11-Jul-14						SS - Mass Concrete Coping - Zone D2 - (CH355 to 405)
		SS - Mass Concrete Coping - Zone D2 - (CH405 to 443)  Sloping - Rockfill Type A - Zone D2 - (CH355 to 405)	7	28-May-14 08-Jan-14	05-Jun-14 08-Jan-14	12-Jul-14 15-Apr-14A	19-Jul-14 28-Apr-14					Sloping -	SS - Mass Concrete Coping - Zone D2 - (CH405 to 443)  Rockfill Type A - Zone D2 - (CH355 to 405)
		Sloping - Rockfill Type A- Zone D2 - (CH405 to 443) Sloping - Geotextile - Zone D2 - (CH355 to 405)	1	17-Jan-14 09-Jan-14	17-Jan-14 09-Jan-14	21-Apr-14A 29-Apr-14	28-Apr-14 29-Apr-14	•			<b>=</b>	Ti i	Rockfill Type A - Zone D2 - (CH405 to 443)  Geotextile - Zone D2 - (CH355 to 405)
		Sloping - Geotextile - Zone D2 - (CH405 to 443)	1	18-Jan-14	18-Jan-14	29-Apr-14	29-Apr-14	•					Geotextile - Zone D2 - (CH405 to 443)
		Sloping - Granular Filter - Zone D2 - (CH355 to 405) Sloping - Granular Filter - Zone D2 - (CH405 to 443)	2	10-Jan-14 20-Jan-14	11-Jan-14 21-Jan-14	30-Apr-14 30-Apr-14	02-May-14 02-May-14	0	1			T .	Granular Filter - Zone D2 - (CH355 to 405) Granular Filter - Zone D2 - (CH405 to 443)
	Reclamatio	On Compacted Sandfill- Zone D2 - (CH355 to 405) to -2.5mPD	91	21-Mar-14 14-Apr-14	06-Jun-14 16-Apr-14	10-Apr-14A 04-Jun-14	22-Jul-14 06-Jun-14				_		Compacted Sandfill- Zone D2 <sup>-2</sup> (CH355 to 405) to -2.5mPD
	NRC13500	Compacted Sandfill - Zone D2 - (CH405 to 443) to -2.5mPD	2	17-Apr-14	22-Apr-14	07-Jun-14	09-Jun-14				- -	ļ 	Compacted Sandfill - Zone D2 - (CH405 to 443) to -2.5mPD
		Public Fill - Zone D2 - (CH355 to 405) to -2.5mPD  Public Fill - Zone D2 - (CH405 to 443) to -2.5mPD	4	17-Apr-14 25-Apr-14	24-Apr-14 29-Apr-14	07-Jun-14 12-Jun-14	11-Jun-14 16-Jun-14	1			_	<u> </u>	Public Fill - Zone D2 - (CH355 to 405) to -2.5mPD  Public Fill - Zone D2 - (CH405 to 443) to -2.5mPD
	NRC13540	Compacted Sandfill - Zone D2 - (CH355 to 405) to +2.5mPD	6	25-Apr-14	02-May-14	12-Jun-14	18-Jun-14				-	<u> </u>  -	Compacted Sandfill - Zone D2 - (CH355 to 405) tq +2.5mPD
		Compacted Sandfill - Zone D2 - (CH405 to 443) to +2.5mPD  Public Fill - Zone D2 - (CH355 to 405) to +2.5mPD	10	03-May-14 03-May-14	09-May-14 15-May-14	19-Jun-14 19-Jun-14	24-Jun-14 30-Jun-14					<u>-</u>	Compacted Sandfill - Zone D2 - (CH405 to 443) to +2.5mPD  Public Fill - Zone D2 - (CH355 to 405) to +2.5mPD
		Public Fill - Zone D2 - (CH405 to 443) to +2.5mPD  Compacted Sandfill - Zone D2 - (CH355 to 405) to +5.0mPD	10	16-May-14 16-May-14	27-May-14 20-May-14	02-Jul-14 02-Jul-14	12-Jul-14 05-Jul-14	1			-		Public Fill - Zone D2 - (CH405 to 443) to +2.5mPD  Compacted Sandfill - Zone D2 - (CH355 to 405) to +5.0mPD
	NRC13590	Compacted Sandfill - Zone D2 - (CH405 to 443) to +5.0mPD	4	28-May-14	31-May-14	14-Jul-14	17-Jul-14						Compacted Sandfill - Zonel D2 - (CH405 to 443) to +5.0m PD
		Public Fill - Zone D2 - (CH355 to 405) to +5.0m PD  Public Fill - Zone D2 - (CH405 to 443) to +5.0m PD	4	21-May-14 03-Jun-14	24-May-14 06-Jun-14	07-Jul-14 18-Jul-14	10-Jul-14 22-Jul-14						Public Fill - Zone D2 - (CH355 to 405) to +5.0mPD  Public Fill - Zone D2 - (CH405 to 443) to +5.0mPD
		Reclamation - Geotextile - Zone D2 - (CH355 to 405)  Reclamation - Geotextile - Zone D2 - (CH405 to 443)	5	21-Mar-14 28-Mar-14	27-Mar-14 03-Apr-14	10-Apr-14A 14-May-14	13-May-14 20-May-14					i	plamation - Geotextile - Zone D2 - (CH355 to 405)
	NRC14390	Reclamation - Sand Blanket - Zone D2 - (CH355 to 405)	2	28-Mar-14	29-Mar-14	14-May-14	15-May-14			0		Re	clamation - Sand Blanket - Zone D2 - (CH355 to 405)
		Reclamation - Sand Blanket - Zone D2 - (CH405 to 443)  Reclamation - Band Drain - Zone D2 - (CH355 to 405)	5	04-Apr-14 31-Mar-14	07-Apr-14 04-Apr-14	21-May-14 20-May-14	22-May-14 24-May-14				_ _	li _	Reclamation - Sand Blanket - Zone D2 - (CH405 to 443) Reclamation - Band Drain - Zone D2 - (CH355 to 405)
	NRC14450	Reclamation - Band Drain - Zone D2 - (CH405 to 443)	5	08-Apr-14	12-Apr-14	26-May-14	30-May-14				- -	<u> </u>	Reclamation - Band Drain - Zone D2 - (CH405 to 443)
	Zone C1 Vertical Se	awall	130	04-Jan-14 04-Jan-14	18-Jun-14 18-Jun-14	10-Jan-14A 10-Mar-14A	02-Aug-14 02-Aug-14		1				
		VS - Rock Grade 400 - Zone C1 - (CH493 to 543)  VS - Levelling Stone - Zone C1 - (CH443 to 493)	7	04-Jan-14 14-Jan-14	08-Jan-14 17-Jan-14	10-Mar-14A 05-Apr-14A	03-Apr-14A 09-Apr-14A		1			li.	00 - Zone C1 - (CH493 to 543) one - Zone C1 - (CH443 to 493)
	NRC14530	VS - Levelling Stone - Zone C1 - (CH493 to 543)	4	18-Jan-14	22-Jan-14	09-Apr-14A	11-Apr-14 A	-			l vs	Levelling S	one - Zone C1 - (CH493 to 543)
		VS - Seawall Block - Zone C1 - (CH443 to 493)  VS - Seawall Block - Zone C1 - (CH493 to 543)	9	20-Feb-14 03-Mar-14	01-Mar-14 12-Mar-14	10-Apr-14A 02-May-14	30-Apr-14 13-May-14			_		Ţ:	wall Block - Zone C1 - (CH443 to 493) - Seawall Block - Zone C1 - (CH493 to 543)
		VS - Rockfill Type A- Zone C1 - (CH443 to 493) VS - Rockfill Type A- Zone C1 - (CH493 to 543)	1 3	13-Mar-14 17-Mar-14	15-Mar-14 19-Mar-14	17-Apr-14A 16-May-14	15-May-14 19-May-14		1		_		- Rockfill Type A- Zone C1 - (CH443 to 493) 'S - Rockfill Type A- Zone C1 - (CH493 to 543)
	NRC14610	VS - Geotextile - Zone C1 - (CH443 to 493)	2	20-Mar-14	21-Mar-14	20-May-14	21-May-14			0		ļ	S - Geotextile - Zone C1 - (CH443 to 493)
		VS - Geotextile - Zone C1 - (CH493 to 543)  VS - Granular Filter - Zone C1 - (CH443 to 493)	1	22-Mar-14 25-Mar-14	24-Mar-14 28-Mar-14	22-May-14 22-May-14A	23-May-14 27-May-14			- -		1	VS - Geotextile - Zone C1 - (CH493 to 543) VS - Granular Filter - Zone C1 - (CH443 to 493)
		VS - Granular Filter - Zone C1 - (CH493 to 543) VS - Mass Concrete Coping - Zone C1 - (CH443 to 493)	4 8	29-Mar-14	02-Apr-14 18-Jun-14	28-May-14 24-Jul-14	31-May-14 02-Aug-14			_			VS - Granular Filter - Zone C1 - (CH493 to 543)
	Sloping Se	eawall	104	27-Jan-14	18-Jun-14	10-Jan-14A	02-Aug-14					 	VS - Mass Concrete Coping - Zone C1 - (CH443 to 493)
		SS - Rock Grade 400 - Zone C1 - (CH493 to 543) to +2.5mPD  SS - Armour Rock Underlayer - Zone C1 - (CH443 to 493)	15 5	27-Jan-14 27-Jan-14	11-Feb-14 07-Feb-14	10-Jan-14A 23-May-14	08-Apr-14A 28-May-14		<b>-</b>		SS -	1	400 - Zone C1 - (CH493 to 543) to +2.5mPD SS - Armour Rock Underlayer - Zone C1 - (CH443 to 493)
		SS - Armour Rock Underlayer - Zone C1 - (CH493 to 543) SS - Armour Rock - Zone C1 - (CH443 to 493)	5	12-Feb-14 27-Feb-14	17-Feb-14 03-Mar-14	29-May-14 11-Jun-14	04-Jun-14 14-Jun-14					-	SS - Armour Rock Underlayer - Zone C1 - (CH493 to 543)
		SS - Armour Rock - Zone C1 - (CH443 to 493) SS - Armour Rock - Zone C1 - (CH493 to 543)	4	27-Feb-14 04-Mar-14	03-Mar-14 07-Mar-14	11-Jun-14 16-Jun-14	14-Jun-14 19-Jun-14			_		     	SS - Armour Rock - Zone C1 - (CH443 to 493)
		SS - Mass Concrete Coping - Zone C1 - (CH443 to 493) Sloping - Rockfill Type A - Zone C1 - (CH443 to 493)	7	10-Jun-14 27-Jan-14	18-Jun-14 27-Jan-14	25-Jul-14 29-Apr-14	02-Aug-14 29-Apr-14		1			¦     Slopina -	SS - Mass Concrete Coping - Zone C1 - (CH443 to 493)  Rockfill Type A - Zone C1 - (CH443 to 493)
	NRC14920	Sloping - Rockfill Type A- Zone C1 - (CH493 to 543)	1	12-Feb-14	12-Feb-14	30-Apr-14	30-Apr-14		ı			Sloping -	Rockfill Type A- Zone C1 - (CH493 to 543)
		Sloping - Geotextile - Zone C1 - (CH443 to 493)  Sloping - Geotextile - Zone C1 - (CH493 to 453)	1	28-Jan-14 13-Feb-14	28-Jan-14 13-Feb-14	30-Apr-14 02-May-14	30-Apr-14 02-May-14	1					Geotextile - Zone C1 - (CH443 to 493) - Geotextile - Zone C1 - (CH493 to 453)
		Sloping - Granular Filter - Zone C1 - (CH443 to 493) Sloping - Granular Filter - Zone C1 - (CH493 to 543)	3	29-Jan-14 14-Feb-14	07-Feb-14 17-Feb-14	03-May-14 08-May-14	07-May-14 10-May-14		-			1 .	g - Granular, Filter - Zone C1 - (CH443 to 493) ng - Granular, Filter - Zone C1 - (CH493 to 543)
	Reclamation	on	58	04-Apr-14	13-Jun-14	21-May-14	29-Jul-14		-				
		Compacted Sandfill - Zone C1 - (CH443 to 493) to -2.5mPD  Compacted Sandfill - Zone C1 - (CH493 to 543) to -2.5mPD	2	28-May-14 30-May-14	29-May-14 31-May-14	14-Jul-14 16-Jul-14	15-Jul-14 17-Jul-14		·			  - 	Compacted Sandfill - Zone C1 - (CH448 to 493) to -2.5mPD  Compacted Sandfill - Zone C1 - (CH493 to 543) to -2.5mPD
		Public Fill - Zone C1 - (CH443 to 493) to -2.5mPD  Public Fill - Zone C1 - (CH493 to 543) to -2.5mPD	2	30-May-14 03-Jun-14	31-May-14 04-Jun-14	16-Jul-14 18-Jul-14	17-Jul-14 19-Jul-14						Public Fill - Zone C1 - (CH)443 to 493) to -2.5mPD  Public Fill - Zone C1 - (CH)493 to 543 to -2.5mPD
	NRC13700	Compacted Sandfill - Zone C1 - (CH443 to 493) to +2.5mPD	5	03-Jun-14	07-Jun-14	18-Jul-14	23-Jul-14		1				Compacted Sandfill - Zone C1 - (CH443 to 493) to +2.5mPD
		Compacted Sandfill - Zone C1 - (CH493 to 543) to +2.5mPD  Public Fill - Zone C1 - (CH443 to 493) to +2.5mPD	5 4	09-Jun-14 09-Jun-14	13-Jun-14 12-Jun-14	24-Jul-14 24-Jul-14	29-Jul-14 28-Jul-14	-					□ Compacted Sandfill - Zone C1 - (¢H493 to 548) to +2.5mPD □ Public Fill - Zone C1 - (¢H443 to 493) to +2.5mPD
		Reclamation - Geotextile - Zone C1 - (CH443 to 493)  Reclamation - Geotextile - Zone C1 - (CH493 to 543)	4	04-Apr-14 10-Apr-14	09-Apr-14	21-May-14 26-May-14	24-May-14 29-May-14				_	:	Reclamation - Geotextille - Zone C1 - (CH443 to 493)  Reclamation - Geotextille - Zone C1 - (CH493 to 543)
	NRC15030	Reclamation - Sand Blanket - Zone C1 - (CH443 to 493)	2	10-Apr-14	11-Apr-14	26-May-14	27-May-14					li -	Reclamation - Sand Blanket - Zong C1 - (CH443 to 493)
		Reclamation - Sand Blanket - Zone C1 - (CH493 to 543)  Reclamation - Band Drain - Zone C1 - (CH443 to 493)	4	15-Apr-14 14-Apr-14	16-Apr-14 17-Apr-14	30-May-14 31-May-14	31-May-14 05-Jun-14					 	Reclamation - Sand Blanket - Zone C1 - (CH493 to 543)  Reclamation - Band Drain - Zone C1 - (CH443 to 493)
		Reclamation - Band Drain - Zone C1 - (CH493 to 543)	4	22-Apr-14 09-Jan-14	25-Apr-14	06-Jun-14 06-Mar-14A	10-Jun-14 25-Jul-14		1		-		Reclamation - Band Drain - Zone C1 - (CH493 to 543)
	Zone C2 Vertical Se		76	09-Jan-14	08-Apr-14	06-Mar-14A	06-Jun-14						
		VS - Rock Grade 400 - Zone C2 - (CH543 to 598)  VS - Levelling Stone - Zone C2 - (CH543 to 598)	8	09-Jan-14 23-Jan-14	13-Jan-14 27-Jan-14	06-Mar-14A 15-Apr-14A	16-Apr-14A 20-Apr-14A	-					de 400 - Zone C2 - (CH543 to 598) g Stone - Zone C2 - (CH543 to 598)
	NRC14570	VS - Seawall Block - Zone C2 - (CH543 to 598)	9	13-Mar-14	22-Mar-14	14-May-14	23-May-14			_	_	_	VS - Seawall Block - Zohe C2 - (CH543 to 598)
		VS - Rockfill Type A - Zone C2 - (CH543 to 598)  VS - Geotextile - Zone C2 - (CH543 to 598)	2	20-Mar-14 25-Mar-14	22-Mar-14 26-Mar-14	20-May-14 24-May-14	22-May-14 26-May-14			0		-	VS - Rockfill Type A- Zdne C2 - (CH543 to 598)  VS - Geotextile - Zone C2 - (CH543 to 598)
	NRC14660 Sloping Se	VS - Granular Filter - Zone C2 - (CH543 to 598)	4 57	03-Apr-14 12-Feb-14	08-Apr-14 12-Mar-14	03-Jun-14 18-Mar-14A	06-Jun-14 24-Jun-14						S - Granular Filter - Zone C2 - (CH543 to 598)
	NRC14780	SS - Rock Grade 400 - Zone C2 - (CH543 to 598) to +2.5mPD	3	12-Feb-14	20-Feb-14	18-Mar-14A	13-May-14		-	_		ss	Rock Grade 400 - Zone C2 - (CH543 to 598) to +2.5mPD
		SS - Armour Rock Underlayer - Zone C2 - (CH543 to 598)  SS - Armour Rock - Zone C2 - (CH543 to 598)	5	21-Feb-14 08-Mar-14	26-Feb-14 12-Mar-14	05-Jun-14 20-Jun-14	10-Jun-14 24-Jun-14		_	_			SS - Armour Rock Underlayer - Zone C2 - (CH543 to 598)  SS - Armour Rock - Zone C2 - (CH543 to 598)
		Sloping - Rockfill Type A- Zone C2 - (CH543 to 598) Sloping - Geotextile - Zone C2 - (CH543 to 598)	1	21-Feb-14 22-Feb-14	21-Feb-14 22-Feb-14	14-May-14 15-May-14	14-May-14 15-May-14						ping - Rockfill Type A - Zone C2 - (CH543 to 598) ping - Geotektile - Zone C2 - (CH543 to 598)
		Sloping - Granular Filter - Zone C2 - (CH543 to 598)  Sloping - Granular Filter - Zone C2 - (CH543 to 598)	3	24-Feb-14	26-Feb-14	16-May-14	19-May-14					1	pung - Geotextile - Zone C2 - (CH543 to 598) Ioping - Grahular Filter - Zone C2 - (CH543 to 598)
	Reclamation	On  Reclamation - Geotextile - Zone C2 - (CH543 to 598)	47	15-Apr-14 15-Apr-14	10-Jun-14 22-Apr-14	30-May-14 30-May-14	25-Jul-14 04-Jun-14				0		Reclamation - Geotextile - Zone C2 - (CH543 to 598)
	NRC15050	Reclamation - Sand Blanket - Zone C2 - (CH543 to 598)	2	23-Apr-14	24-Apr-14	05-Jun-14	06-Jun-14					  -  -	Reclamation - Sand Blanket - Zone C2 - (GH543 to 598)
		Reclamation - Band Drain - Zone C2 - (CH543 to 598)  Public Fill - Zone C2 - (CH543 to 598) to -2.5mPD	2	26-Apr-14 09-Jun-14	30-Apr-14 10-Jun-14	11-Jun-14 24-Jul-14	14-Jun-14 25-Jul-14		1				Reclamation - Band Drain - Zone C2 - (CH543 to 598)  Public Fill - Zone C2 - (CH543 to 598) to -2.5mPD
	Zone B Vertical Se	awali	112	14-Jan-14 14-Jan-14	16-May-14 05-May-14	13-Mar-14A 13-Mar-14A	29-Jul-14 02-Jul-14						
	NRC11150	VS - Rock Grade 400 - Zone B - (CH598 to 648)	9	14-Jan-14	18-Jan-14	13-Mar-14A	22-Apr-14A	-					rade 400 - Zone B - (CH598 to 648)
		VS - Rock Grade 400 - Zone B - (CH648 to 698)	6	20-Jan-14	24-Jan-14	17-Mar-14A	30-Apr-14	-					k Grade 400 - Zone B - (CH648 to 698)
Page 2 of		CurrentBar - Critical  0.0-1.01 - R1-1 - R3-5 - R4-44					ea Tunnel Sed	ction				香 <b>寶</b>	Date Revision Checked Approved 12-Feb-14 TMCLK/DBJ/GEN/PRG/98507 SPa WYu
	o: TMCLK_I0	0.0-101 - B1-1 - B3-5 - B4-44		3-Mon	· ·	rogramme - (					Y	Drage Hongk	Iges BOUYGUES TRAVALUX PUBLICS
Dail	- ۱۹	Progress Bar			As of 28-7	Apr-14 Progre	:55					ygues Joint '	ngroup Venture 寶嘉-布依格聯營

Activity ID	Activity Name	Orig Dur	Planned Start	Planned Finish	Current Start	Current Finish			2014 2015
NRC11170	VS - Rock Grade 400 - Zone B - (CH698 to 738)	3	25-Jan-14	30-Jan-14	24-Mar-14A	09-May-14	Jan Feb □	Mar	Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr  VS - Rock Grade 400 - Zone B - (CH698 to 738)
	VS - Levelling Stone - Zone B - (CH598 to 648)  VS - Levelling Stone - Zone B - (CH648 to 698)	4	28-Jan-14 08-Feb-14	07-Feb-14 12-Feb-14	02-May-14 08-May-14	07-May-14 12-May-14			VS - Levelling Stone - Zone B - (CH598 to 648)  VS - Levelling Stone - Zone B - (CH648 to 698)
NRC11200	VS - Levelling Stone - Zone B - (CH698 to 738)  VS - Seawall Block - Zone B - (CH598 to 648)	4 5	13-Feb-14 24-Mar-14	17-Feb-14 28-Mar-14	13-May-14 24-May-14	16-May-14	-		VS - Levelling Stone - Zone B - (CH698 to 738)
NRC11230	VS - Seawall Block - Zone B - (CH648 to 698)	5	29-Mar-14	28-Mar-14 03-Apr-14	30-May-14	29-May-14 05-Jun-14		-	VS - Seawall Block - Zone B - (CH598 to 648)
NRC11240 NRC11250	VS - Seawall Block - Zone B - (CH698 to 738)  VS - Rockfill Type A - Zone B - (CH598 to 648)	5	04-Apr-14 04-Apr-14	10-Apr-14 08-Apr-14	06-Jun-14 06-Jun-14	11-Jun-14 09-Jun-14			VS - Seawall Block - Zone B · (CH698 to 738)  VS - Rockfill Type A - Zone B · (CH598 to 648)
NRC11260	VS - Rockfill Type A - Zone B - (CH648 to 698)	3	09-Apr-14	11-Apr-14	10-Jun-14	12-Jun-14			US Rockfill Type A- Zone B - (CH648 to 698)
NRC11270 NRC11290	VS - Rockfill Type A - Zone B - (CH698 to 738)  VS - Geotextile - Zone B - (CH598 to 648)	2	12-Apr-14 12-Apr-14	15-Apr-14 14-Apr-14	13-Jun-14 13-Jun-14	16-Jun-14 14-Jun-14			US - Rockfill Type A - Zone B - (CH698 to 738)
NRC11300 NRC11310	VS - Geotextile - Zone B - (CH648 to 698) VS - Geotextile - Zone B - (CH698 to 738)	2	15-Apr-14 17-Apr-14	16-Apr-14 22-Apr-14	16-Jun-14 18-Jun-14	17-Jun-14 19-Jun-14			US - Geotextile - Zone B - (CH648 to 698)
NRC11320	VS - Granular Filter - Zone B - (CH598 to 648)	4	17-Apr-14	24-Apr-14	18-Jun-14	21-Jun-14			US - Granular Filter - Zohe B - (CH598 to 648)
NRC11330 NRC11340	VS - Granular Filter - Zone B - (CH648 to 698)  VS - Granular Filter - Zone B - (CH698 to 738)	4	25-Apr-14 30-Apr-14	29-Apr-14 05-May-14	23-Jun-14 27-Jun-14	26-Jun-14 02-Jul-14			US - Granular Filter - Zone B - (CH648 to 698).  US - Granular Filter - Zone B - (CH698 to 738)
Sloping S	Seawall SS - Dredging - Zone B - (CH648 to 698)	71	21-Feb-14 28-Feb-14	15-Apr-14 03-Mar-14	15-Mar-14A 15-Mar-14A	29-Jul-14 17-May-14A			SS' - Dredging-, Zone B - (CH648 to 698)
NRC11460	SS - Dredging - Zone B - (CH698 to 738)	4	10-Mar-14	13-Mar-14	17-Mar-14A	25-Apr-14A			SS - Dredging - Zone B - (CH698 to 738)
NRC11470 NRC11480	SS - Rock Grade 400 - Zone B - (CH598 to 648) to +2.5mPD  SS - Rock Grade 400 - Zone B - (CH648 to 698) to +2.5mPD	2	21-Feb-14 04-Mar-14	03-Mar-14 13-Mar-14	26-Mar-14A 02-Apr-14A	29-May-14 17-Jun-14		_	SS - Rock Grade 400 - Zone B - (CH598 to 648) to +2.5mPD  S\$ - Rock Grade 400 - Zone B - (CH648 to 698) to +2.5mPD
NRC11490 NRC11540	SS - Rock Grade 400 - Zone B - (CH698 to 738) to +2.5mPD  SS - Armour Rock Underlayer - Zone B - (CH598 to 648)	18	14-Mar-14 04-Mar-14	25-Mar-14 08-Mar-14	18-Jun-14 11-Jun-14	09-Jul-14 16-Jun-14		_	SS - Rock Grade 400 - Zone B - (CH698 to 738) to +2.5mPD  SS - Armour Rock Underlayer - Zone B - (CH598 to 648)
NRC11550	SS - Armour Rock Underlayer - Zone B - (CH648 to 698)	5	14-Mar-14	19-Mar-14	18-Jun-14	23-Jun-14		_ 	SS - Armout Rock Underlayer - Zone B - (CH648 to 698)
NRC11560 NRC11580	SS - Armour Rock Underlayer - Zone B - (CH698 to 738)  SS - Armour Rock - Zone B - (CH598 to 648)	5	26-Mar-14 01-Apr-14	31-Mar-14 04-Apr-14	10-Jul-14 16-Jul-14	15-Jul-14 19-Jul-14			SS:-Armour Rock Underlayer - Zone B;- (CH698 to 738)
NRC11590 NRC11600	SS - Armour Rock - Zone B - (CH648 to 698) SS - Armour Rock - Zone B - (CH698 to 738)	4	07-Apr-14 11-Apr-14	10-Apr-14 15-Apr-14	21-Jul-14 25-Jul-14	24-Jul-14 29-Jul-14			SS - Armour Rock - Zone B - (CH648 to 698)
	Sloping - Rockfill Type A- Zone B - (CH598 to 648)	1	04-Mar-14	04-Mar-14	30-May-14	30-May-14			Sloping - Rockfill Type A - Zone B'- (CH598 to 648)
	Sloping - Rockfill Type A - Zone B - (CH648 to 698)  Sloping - Rockfill Type A - Zone B - (CH698 to 738)	1	14-Mar-14 26-Mar-14	14-Mar-14 26-Mar-14	18-Jun-14 10-Jul-14	18-Jun-14 10-Jul-14		1	Sloping - Rockfill Type A - Zone B - (CH648 to 698)  Sloping - Rockfill Type A - Zone B - (CH698 to 738)
NRC11690 NRC11700	Sloping - Geotextile - Zone B - (CH598 to 648) Sloping - Geotextile - Zone B - (CH648 to 698)	1	05-Mar-14 15-Mar-14	05-Mar-14 15-Mar-14	31-May-14 19-Jun-14	31-May-14 19-Jun-14			Sloping - Geotextile - Zone B - (CH598 to 648)  Sloping - Geotextile - Zone B - (CH648 to 698)
NRC11710	Sloping - Geotextile - Zone B - (CH698 to 738)	1	27-Mar-14	27-Mar-14	11-Jul-14	11-Jul-14		, , ,	Sloping - Geotextile - Zone B'- (CH698 to 738)
NRC11730 NRC11740	Sloping - Granular Filter - Zone B - (CH598 to 648)  Sloping - Granular Filter - Zone B - (CH648 to 698)	3	06-Mar-14 17-Mar-14	07-Mar-14 19-Mar-14	03-Jun-14 20-Jun-14	04-Jun-14 23-Jun-14		0 -	Sloping - Granular Filter - Zone B - (CH598 to 648)
NRC11750	Sloping - Granular Filter - Zone B - (CH698 to 738)	3 44	28-Mar-14 23-Apr-14	31-Mar-14 16-May-14	12-Jul-14 05-Jun-14	15-Jul-14 26-Jul-14		_	Sloping - Granular Filter - Zone B - (CH698 to 738)
NRC11760	Reclamation - Geotextile - Zone B - (CH598 to 648)	4	23-Apr-14	26-Apr-14	05-Jun-14	09-Jun-14			□ Reclamation - Geotextile - Zone B - (CH598 to 648)
NRC11770 NRC11780	Reclamation - Geotextile - Zone B - (CH488 to 698)  Reclamation - Geotextile - Zone B - (CH598 to 738)	4	28-Apr-14 03-May-14	02-May-14 08-May-14	24-Jun-14 16-Jul-14	27-Jun-14 19-Jul-14			Reclamation - Geotextile - Zone B - (CH488 to 698)  Reclamation - Geotextile - Zone B - (CH598 to 73β)
NRC11800	Reclamation - Sand Blanket - Zone B - (CH598 to 648)  Reclamation - Sand Blanket - Zone B - (CH648 to 698)	2	28-Apr-14 03-May-14	29-Apr-14 05-May-14	10-Jun-14 28-Jun-14	11-Jun-14 30-Jun-14			Reclamation - Sand Blanket - Zone B - (CH598 to 648)
NRC11820	Reclamation - Sand Blanket - Zone B - (CH698 to 738)	2	09-May-14	10-May-14	21-Jul-14	22-Jul-14			Reclamation - Sand Blanket - Zone B - (CH698 to 738)
NRC11830 NRC11840	Reclamation - Band Drain - Zone B - (CH598 to 648)  Reclamation - Band Drain - Zone B - (CH648 to 698)	4	02-May-14 08-May-14	07-May-14 12-May-14	16-Jun-14 02-Jul-14	19-Jun-14 05-Jul-14			Reclamation - Band Drain - Zone B - (CH598 to 648)
NRC11850	Reclamation - Band Drain - Zone B - (CH698 to 738)	4 87	13-May-14 28-Jan-14	16-May-14	23-Jul-14 18-Mar-14A	26-Jul-14 28-Jul-14			☐ Reclamation - Band Drain - Zone B - (CH698 to 738)
Zone A1  Vertical S	eawall	69	28-Jan-14	10-May-14	18-Mar-14A	07-Jul-14			
NRC12020 NRC12040	VS - Dredging - Zone A1 - (CH738 to 793)  VS - Rock Grade 400 - Zone A1 - (CH738 to 793)	3	28-Jan-14 07-Feb-14	30-Jan-14 12-Feb-14	18-Mar-14A 01-Apr-14A	02-Apr-14A 16-May-14	0		VS - Dredging - Zone A1 - (CH738 to 793)  VS - Rock Grade 400 - Zone A1 - (CH738 to 793)
NRC12050	VS - Levelling Stone - Zone A1 - (CH738 to 793)  VS - Seawall Block - Zone A1 - (CH738 to 793)	4 11	18-Feb-14	21-Feb-14 26-Apr-14	17-May-14	21-May-14 24-Jun-14			VS - Levelling Stone - Zone A1 - (CH738 to 793)
NRC12080	VS - Rockfill Type A - Zone A1 - (CH738 to 793)	3	11-Apr-14 28-Apr-14	26-Apr-14 30-Apr-14	12-Jun-14 25-Jun-14	24-Juri- 14 27-Jun-14			VS - Seawall Block - Zone A1 - (CH738 to 793)  VS - Rockfill Type A - Zone A1 - (CH738 to 793)
NRC12090 NRC12100	VS - Geotextile - Zone A1 - (CH738 to 793)  VS - Granular Filter - Zone A1 - (CH738 to 793)	2	02-May-14 07-May-14	03-May-14 10-May-14	28-Jun-14 03-Jul-14	30-Jun-14 07-Jul-14			US - Gedtextile - ZoneA1 - (CH738 to 793)  US - Granular Filter - ZoneA1 - (CH738 to 793)
Sloping S		24	20-Mar-14	08-Apr-14	18-Mar-14A	28-Jul-14			
NRC12140 NRC12150	SS - Dredging - Zone A1 - (CH738 to 793)  SS - Rock Grade 400 - Zone A1 - (CH738 to 793) to +2.5mPD (4k/d)	10	20-Mar-14 26-Mar-14	25-Mar-14 31-Mar-14	18-Mar-14A 10-Jul-14	09-Jul-14 21-Jul-14			SS - Dredging - Zone A1 - (CH738 to 793) SS - Rock Grade 400 - Zone A1 - (CH738 to 793) to +2.5mPD (4k/d)
NRC12180 NRC12220	SS - Armour Rock Underlayer - Zone A1 - (CH738 to 793)  Sloping - Rockfill Type A - Zone A1 - (CH738 to 793)	5	01-Apr-14 01-Apr-14	07-Apr-14 01-Apr-14	22-Jul-14 22-Jul-14	26-Jul-14 22-Jul-14			SS - Armour Rock Underlayer - Zone A1 - (CH/738 to 793)  Sloping - Rockfill Type A'- Zone A1 - (CH738 to 793)
NRC12230	Sloping - Geotextile - Zone A1 - (CH738 to 793)	2	02-Apr-14	03-Apr-14	23-Jul-14	24-Jul-14			Sloping - Geotextile - Zone A1 - (CH738 to 793)
Zone A2	Sloping - Granular Filter - Zone A1 - (CH738 to 793)	82	04-Apr-14 28-Jan-14	08-Apr-14 05-Jun-14	25-Jul-14 26-Mar-14A	28-Jul-14 01-Aug-14			Sloping - Granular Filter - Zone A1 - (CH738 to 793)
Vertical S NRC12350	VS - Dredging - Zone A2 - (CH793 to 843)	81	28-Jan-14 28-Jan-14	05-Jun-14 30-Jan-14	26-Mar-14A 26-Mar-14A	31-Jul-14 16-May-14			VS - Dredging - Zone A2 - (CH793 to 843)
NRC12360	VS - Dredging - Zone A2 - (CH843 to 893)	3	07-Feb-14	11-Feb-14	06-Apr-14A	23-May-14	•		VS - Dredging - Zone A2 - (CH843 to 893)
NRC12370 NRC12380	VS - Dredging - Zone A2 - (CH893 to 956)  VS - Rock Grade 400 - Zone A2 - (CH793 to 843)	2	12-Feb-14 13-Feb-14	24-Feb-14 18-Feb-14	24-May-14 15-Apr-14A	06-Jun-14 24-May-14			VS - Diredging - Zone A2 - (CH893 to 956)  VS - Rock Grade 400 - Zone A2 - (CH793 to 843)
NRC12390 NRC12400	VS - Rock Grade 400 - Zone A2 - (CH843 to 893)  VS - Rock Grade 400 - Zone A2 - (CH893 to 956)	10 30	19-Feb-14 25-Feb-14	24-Feb-14 14-Mar-14	26-May-14 07-Jun-14	06-Jun-14 12-Jul-14			VS - Rock Grade 400 - ZoneA2 - (CH843 to 893)  VS - Rock Grade 400 - ZoneA2 - (CH893 to 956)
NRC12410	VS - Levelling Stone - Zone A2 - (CH793 to 843)	4	25-Feb-14	28-Feb-14	07-Jun-14	11-Jun-14			VS - Levelling Stone - Zone A2 - (CH793 to 843)
NRC12420 NRC12440	VS - Levelling Stone - Zone A2 - (CH843 to 893)  VS - Levelling Stone - Zone A2 - (CH893 to 956)	9	01-Mar-14 06-Mar-14	05-Mar-14 15-Mar-14	12-Jun-14 17-Jun-14	16-Jun-14 26-Jun-14		<b>-</b>	US - Levelling Stone - Zone A2 - (CH843 to 893)  US - Levelling Stone - Zone A2 - (CH893 to 956)
NRC12450 NRC12460	VS - Seawall Block - Zone A2 - (CH793 to 843) VS - Seawall Block - Zone A2 - (CH843 to 893)	7	28-Apr-14 08-May-14	07-May-14 15-May-14	25-Jun-14 04-Jul-14	03-Jul-14 11-Jul-14			US - Seawall Block - Zone A2 - (CH793 to 843)  US - Seawall Block - Zone A2 - (CH843 to 893)
NRC12470	VS - Seawall Block - Zone A2 - (CH893 to 956)	17	16-May-14	05-Jun-14	12-Jul-14	31-Jul-14			VS - Seawall Block - Zone A2 - (GH893 to 956)
Sloping S	VS - Rockfill Type A - Zone A2 - (CH793 to 843)  Seawall	18	16-May-14 25-Mar-14	19-May-14 08-Apr-14	12-Jul-14 17-Apr-14A	15-Jul-14 01-Aug-14			US - Rockfill Type A - Zone A2 - (CH793 to 843)
	SS - Dredging - Zone A2 - (CH793 to 843) SS - Dredging - Zone A2 - (CH843 to 893)	2 6	25-Mar-14 31-Mar-14	29-Mar-14 07-Apr-14	17-Apr-14A 26-Jul-14	21-Jul-14 01-Aug-14			SS - Dredging - Zone A2 - (CH793 to 843)  SS - Dredging - Zone A2 - (CH843 to 893)
	SS - Rock Grade 400 - Zone A2 - (CH793 to 843) to +2.5mPD (4k/d)	10	01-Apr-14	08-Apr-14 25-Apr-14	22-Jul-14 22-Feb-14A	01-Aug-14 28-Jul-14		·	SS - Rook Grade 400 - Zone A2 - (CH793 to 843) to +2.5mPD (4k/d)
Zone F CH137 to	CH184	157	10-Jan-14 10-Jan-14	25-Apr-14 08-Mar-14	22-Feb-14A 22-Feb-14A	28-Jul-14 14-Jun-14			
A6416030 A6416035	F - Marine Sheet Piling (H2) - CH137 to CH184 F - Marine Sheet Piling (H1) - CH137 to CH184	3 2	10-Jan-14 14-Jan-14	13-Jan-14 15-Jan-14	22-Feb-14A 25-Mar-14A	28-Apr-14 21-Apr-14A			F - Marine Sheet Piling (H2) - CH137 to CH184  F - Marine Sheet Piling (H1) - CH137 to CH184
A6416100	F - Backfilling up to -7.5mPD & T1 Installation - CH137 to CH184	4	16-Jan-14	19-Jan-14	29-Apr-14	02-May-14			F - Backfilling up to -7.5mPD & T1 Installation - CH137 to CH184
A6416110 A6416115	F - Backfilling up to -4.5mPD - CH137 to CH184  F - Backfilling up to +0.5mPD & T3 Installation - CH137 to CH184	6	20-Jan-14 22-Jan-14	21-Jan-14 27-Jan-14	03-May-14 05-May-14	04-May-14 10-May-14			F - Backfilling up to -4.5mPD - CH137 to CH184  F - Backfilling up to +0.5mPD & T3 Installation - CH137 to CH184
A6416118 A6416120	F - Backfilling up to +3.0mPD - CH137 to CH184 F - Backfilling up to +6.0mPD - CH137 to CH184	2	28-Jan-14 30-Jan-14	29-Jan-14 31-Jan-14	11-May-14 13-May-14	12-May-14 14-May-14	0		F - Backfilling up to +3.0mPD - CH137 to CH184  F - Backfilling up to +6.0mPD - CH137 to CH184
A6416320	F - Anchor Wall Installation - CH160 to CH184	2	07-Mar-14	08-Mar-14	13-Jun-14	14-Jun-14		0	F - Anchor Wall Installation - CH160 to CH184
CH184 to A6416040	F - Marine Sheet Piling (H2) - CH184 to CH231	3	16-Jan-14 16-Jan-14	21-Mar-14 18-Jan-14	25-Apr-14A 29-Apr-14	27-Jun-14 02-May-14			F - Marrine Sheet Pilling (H2) - CH184 to CH231
	F - Marine Sheet Piling (H1) - CH184 to CH231 F - Backfilling up to -7.5mPD & T1 Installation - CH184 to CH231	1 4	20-Jan-14 23-Jan-14	22-Jan-14 26-Jan-14	25-Apr-14A 06-May-14	05-May-14 09-May-14			F - Marfine Sheet Pifling (H1) - CH184 to CH231  F - Backfilling up to -7.5mPD & T1 Installation - CH184 to CH231
A6416070	F - Backfilling up to -4.5mPD - CH184 to CH231	2	27-Jan-14	28-Jan-14	10-May-14	11-May-14	0		■ F - Backfilling up to -4.5mPD - CH184 to CH231
A6416080 A6416085	F - Backfilling up to +0.5mPD & T3 Installation - CH184 to CH231  F - Backfilling up to +3.0mPD - CH184 to CH231	2	29-Jan-14 04-Feb-14	03-Feb-14 05-Feb-14	12-May-14 18-May-14	17-May-14 19-May-14	-		F - Backfilling up to +0.5mPD & T3 Installation - CH184 to CH231  F - Backfilling up to +3.0mPD - CH184 to CH231
A6416090 A6416230	F - Backfilling up to +6.0mPD - CH184 to CH231 F - Anchor wall Installation - CH184 to CH231	2	06-Feb-14 10-Mar-14	07-Feb-14 13-Mar-14	20-May-14 16-Jun-14	21-May-14 19-Jun-14	•		F - Backfilling up to +6.0th PD - CH184 to CH231  F - Anchor well Installation - CH184 to CH231
A6416290	F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall- CH184 to CH231	3	14-Mar-14	16-Mar-14	20-Jun-14	22-Jun-14			F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall- CH184 to CH231
A6416295 A6416300	F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall - CH184 to CH231  F - Backfilling up to +6.0mPD to Anchor Wall - CH184 to CH231	2	17-Mar-14 19-Mar-14	18-Mar-14 20-Mar-14	23-Jun-14 25-Jun-14	24-Jun-14 26-Jun-14		0	F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall - CH184 to CH231  F - Backfilling up to +6.0mPD to Anchor Wall - CH184 to CH231
A6416400 CH231 to	F - Backfilling to +6.0mPD to Existing Seawall - CH184 to CH231	67	21-Mar-14 23-Jan-14	21-Mar-14 18-Apr-14	27-Jun-14 07-May-14	27-Jun-14 25-Jul-14		I	☐ F - Backfilling to +6.0rhPD to Existing Seawall - CH184 to CH231  ☐ F - Backfilling to +6.0rhPD to Existing Seawall - CH184 to CH231
A6416240	F - Marine Sheet Piling (H1) - CH231 to CH278	4	23-Jan-14	27-Jan-14	07-May-14	10-May-14	-		F - Marine Sheet Piling (H1) - CH231 to CH278
	F - Marine Sheet Piling (H2) - CH231 to CH278	4	18-Mar-14	21-Mar-14	24-Jun-14	27-Jun-14		-	F - Marine Sheet Piling (H2) - CH231 to CH278
Page 3 of 4  Project ID: TMCLK	CurrentBar CurrentBar - Critical  IO 0-101 - R1-1 - R3-5 - R4-44					ea Tunnel Sec	tion		Date Revision Checked Approved 12-Feb-14 TMCLK/DBJ/GEN/PRG/98507 SPa WYu 港具
Project ID: TMCLK_ Data Date: 28-Apr-1	[0.0-101 - B1-1 - B3-5 - B4-44		3-Mont	_	Programme - (				Dragages HongKong  BOUYGUES TRAWAUX PUBLICS
Σαιο. 20 Αμι-1	Progress Bar			As of 28-	Apr-14 Progre	ess			er of the Bouygues Construction group ages - Bouygues Joint Venture 寶嘉 - 布依格聯營









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Data Date: 28-Apr-14

TMCLK - Northern Connection Sub-Sea Tunnel Section

# Appendix C

Environmental Mitigation and Enhancement Measure Implementation Schedules

#### Tuen Mun – Chek Lap Kok Link

#### Northern Connection Sub-sea Tunnel Section

#### Environmental Mitigation and Enhancement Measure Implementation Schedule

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Imj	olementa Stages	tion	Status *
	Reference					D	C	0	
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;	construction period	Contractor	TMEIA Avoid smoke impacts and disturbance		Y		<b>✓</b>
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.		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.	construction period	Contractor	TMEIA Avoid dust generation		Y		<b>√</b>
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		<b>~</b>
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.	construction period	Contractor	TMEIA Avoid dust generation		Y		<b>✓</b>
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.		Contractor	TMEIA Avoid dust generation		Y		<b>~</b>
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.		Contractor	TMEIA Avoid dust generation		Y		<b>√</b>

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

#### Tuen Mun – Chek Lap Kok Link

#### Northern Connection Sub-sea Tunnel Section

#### Environmental Mitigation and Enhancement Measure Implementation Schedule

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Im <sub>]</sub>	plementa Stages	tion	Status *
4.8.1	Reference 3.8	Materials having the potential to create dust shall not be loaded to		Contractor	TMEIA Avoid dust	D	C Y	О	✓
		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.			generation				
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.		Contractor	TMEIA Avoid dust		Y		<b>✓</b>
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		<b>✓</b>
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		<b>√</b>
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 QUAL Marine Works (Sea									
6.1	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:	backfilling works	Contractor	TM-EIAO		Y		<b>*</b>
Figure 6.2a Appendix D6a		- TM-CLKL northern reclamation;							
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		<b>✓</b>

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#### Tuen Mun – Chek Lap Kok Link

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# Environmental Mitigation and Enhancement Measure Implementation Schedule

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Imj	olementa Stages	tion	Status *
	Reference					D	С	0	
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		<b>✓</b>
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		<b>✓</b>
	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.		Contractor	TM-EIAO		Y		<b>✓</b>
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		<b>/</b>
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		<b>*</b>
6.1	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:	Portion D of HKBCF and HKLR	Contractor	TM-EIAO		Y		~
Figure 6.2b Appendix		- TM-CLKL northern reclamation;							
Tremaix		1 CERE HOLDICH Techniquetty					I	I	I

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

## Tuen Mun – Chek Lap Kok Link

#### Northern Connection Sub-sea Tunnel Section

#### Environmental Mitigation and Enhancement Measure Implementation Schedule

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Imp	olementa Stages	tion	Status *
	Reference					D	C	0	
D6b		<ul> <li>Reclamation filling for Portion D of HKBCF; Reclamation filling for FSD berth of HKBCF; and</li> <li>Reclamation dredging and filling for Portion 1 of HKLR;</li> </ul>							
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.	grab dredging	Contractor	TM-EIAO		Y		<b>*</b>
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		<b>*</b>
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;		Contractor	TM-EIAO		Y		~
General Marine Wo	orks				•				
6.1	-	Use of TMB 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		Y		✓

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## Environmental Mitigation and Enhancement Measure Implementation Schedule

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Imp	olementat Stages	ion	Status *
	Reference					D	С	0	
					conditions.				
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		Y		<b>*</b>
					conditions.				
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		Y		<b>✓</b>
					Guidelines. DASO permit				
					conditions.		27		
6.1	-	Loading of barges and hoppers shall be controlled to prevent splashing of dredged material to the surrounding water. Barges or		Contractor	Marine Fill Committee		Y		·
		hoppers shall not be filled to a level which will cause overflow of			Guidelines, DASO				
		materials or pollution of water during loading or transportation.			permit				
					conditions.				
6.1	-	Excess material shall be cleaned from the decks and exposed fittings		Contractor	Marine Fill		Y		<>
		of barges and hopper dredgers before the vessel is moved.	construction period		Committee				
					Guidelines. DASO permit				
					conditions.				
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		Y		N/A
					Guidelines. DASO permit				
					conditions.				
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	construction period	Contractor	Marine Fill Committee		Y		N/A
		ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash.	4		Guidelines. DASO				
		1 1			permit conditions.				

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#### Environmental Mitigation and Enhancement Measure Implementation Schedule

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Im	plementa Stages	tion	Status *
	Reference					D	С	0	
6.1	-	The works shall not cause foam, oil, grease, litter or other objectionable matter to be present in the water within and		Contractor	Marine Fill Committee		Y		<>
		adjacent to the works site.			Guidelines. DASO permit				
					conditions.				
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		<b>*</b>
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		<b>1</b>
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		✓
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		<b>*</b>
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.	construction period	Contractor	TM-EIAO		Y		1
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		<b>*</b>
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.		Contractor	TM-EIAO		Y		<b>*</b>
6.1	-	Temporary access roads should be surfaced with crushed stone or gravel.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		<b>*</b>

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# Environmental Mitigation and Enhancement Measure Implementation Schedule

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Imp	olementat Stages	ion	Status *
	Reference					D	C	0	
6.1	-	Rainwater pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities.		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		<b>√</b>
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.	construction period	Contractor	TM-EIAO		Y		<b>*</b>
6.1	-	Discharges of surface run-off into foul sewers must always be prevented in order not to unduly overload the foul sewerage system.		Contractor	TM-EIAO		Y		<b>~</b>
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.	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		<b>√</b>
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		<b>√</b>

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#### Tuen Mun – Chek Lap Kok Link

#### Northern Connection Sub-sea Tunnel Section

# Environmental Mitigation and Enhancement Measure Implementation Schedule

-	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.	construction period	Contractor	TM-EIAO	D	C Y	0	N/A
-	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.	construction period	Contractor	TM-EIAO		Y		N/A
	The Contractor shall prepare an oil / chemical cleanup plan and ensure that leakages or spillages are contained and cleaned up immediately.		Contractor	TM-EIAO		Y		<b>*</b>
	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		<b>*</b>
	locks and be sited on sealed areas. The storage areas should be	construction period	Contractor	TM-EIAO		Y		<b>*</b>
			Contractor	TM-EIAO		Y		<b>√</b>
			Design Consultant/ Contractor	TM-EIAO	Y		Y	<b>*</b>
			Contractor	EM&A Manual		Y		<b>*</b>
oring								
	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.	as defined in EM&A Manual, Section 5/ Before, through-out marine construction period, post construction and monthly operational phase water quality	Contractor	EM&A Manual		Y	Y	<b>*</b>
	Section 5  oring Section 5	immediately.  - Waste oil should be collected and stored for recycling or disposal, in accordance with the Waste Disposal Ordinance.  - All fuel tanks and chemical storage areas should be provided with locks and be sited on sealed areas. The storage areas should be surrounded by bunds with a capacity equal to 110% of the storage capacity of the largest tank.  - Surface run-off from bunded areas should pass through oil/grease traps prior to discharge to the stormwater system.  - 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.  Section 5 All construction works shall be subject to routine audit to ensure implementation of all EIA recommendations and good working practice.  Pring  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	- Waste oil should be collected and stored for recycling or disposal, in accordance with the Waste Disposal Ordinance.  - All fuel tanks and chemical storage areas should be provided with locks and be sited on sealed areas. The storage areas should be surrounded by bunds with a capacity equal to 110% of the storage capacity of the largest tank.  - Surface run-off from bunded areas should pass through oil/grease capacity of the largest tank.  - Surface run-off from bunded areas should pass through oil/grease traps prior to discharge to the stormwater system.  - 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.  Section 5  All construction works shall be subject to routine audit to ensure implementation of all EIA recommendations and good working practice.  Section 5  Water quality monitoring shall be undertaken for suspended solids, turbidity, and dissolved oxygen. Nutrients and metal parameters as defined in EM&A Manual, 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 monitoring for a year.	- Waste oil should be collected and stored for recycling or disposal in accordance with the Waste Disposal Ordinance.  - All fuel tanks and chemical storage areas should be provided with locks and be sited on sealed areas. The storage areas should be construction period  - Surface run-off from bunded areas should pass through oil/grease capacity of the largest tank.  - Surface run-off from bunded areas should pass through oil/grease capacity of the storage to the stormwater system.  - 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.  - Section 5 All construction works shall be subject to routine audit to ensure implementation of all EIA recommendations and good working practice.  - 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 Section 5/ Before, through-out marine construction period, post construction and monthly operational phase water quality monitoring at designated monitoring for a year.	- Waste oil should be collected and stored for recycling or disposal, in accordance with the Waste Disposal Ordinance.  - All fuel tanks and chemical storage areas should be provided with locks and be sited on sealed areas. The storage areas should be construction period of surrounded by bunds with a capacity equal to 110% of the storage capacity of the largest tank.  - Surface run-off from bunded areas should pass through oil/grease All areas/ throughout construction period of sicharging the stormwater system.  - 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.  - Section 5 All construction works shall be subject to routine audit to ensure implementation of all EIA recommendations and good working practice.  - Water quality monitoring shall be undertaken for suspended solids, turbidity, and dissolved oxygen. Nutrients and metal parameters and HKLR required handling of 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 monitoring for a year.	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	immediately.  Waste oil should be collected and stored for recycling or disposal, All areas/ throughout construction period  All fuel tanks and chemical storage areas should be provided with All areas/ throughout 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.  Surface run-off from bunded areas should pass through oil/grease All areas/ throughout construction period  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.  Section 5  All construction works shall be subject to routine audit to ensure implementation of all EIA recommendations and good working practice.  Water quality monitoring shall be undertaken for suspended solids, and HKLR required handling of Mf sediment) during baseline, and HKLR required handling of Mf sediment) during baseline, and HKLR required handling of Mf sediment) during baseline, one year operation phase water quality monitoring at designated monitoring or a year.	immediately.  Waste oil should be collected and stored for recycling or disposal, All areas/ throughout construction period  All fuel tanks and chemical storage areas should be provided with All areas/ throughout locks and be sited on sealed areas. The storage areas should be construction period surrounded by bunds with a capacity equal to 110% of the storage capacity of the largest tank.  Surface run-off from bunded areas should pass through oil/grease All areas/ throughout construction period surrounded by bunds with a capacity equal to 110% of the storage capacity of the largest tank.  Surface run-off from bunded areas should pass through oil/grease All areas/ throughout construction period discharging the stormwater system.  Roadside gullies to trap silt and grit shall be provided prior to Roadside/design and operation discharging the stormwater into the marine environment. The sumps will be maintained and cleaned at regular intervals.  Section 5 All construction works shall be subject to routine audit to ensure All areas/ throughout construction period working practice.  Section 5 Water quality monitoring shall be undertaken for suspended solids, Designated monitoring stations turbicidity, and dissolved oxygen. Nutrients and metal parameters as defined in EM&A Manual, shall also be measured for Mf sediment) during baseline, backfilling and post construction period.  One year operation phase water quality monitoring at designated monitoring of year.  Section 5 Mater quality monitoring phase water quality monitoring at designated monitoring of year.

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

#### Tuen Mun – Chek Lap Kok Link

#### Northern Connection Sub-sea Tunnel Section

# Environmental Mitigation and Enhancement Measure Implementation Schedule

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Imj	olementa Stages	tion	Status *
	Reference					D	С	О	
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	<b>*</b>
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		<b>*</b>
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 implemente d 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		1
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		1
8.15	6.5	Audit coral translocation success	Post translocation	Contractor	TMEIA		Y		<b>✓</b>
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		<b>✓</b>
7.13	6.5	Avoid damage and disturbance to the remaining and surrounding natural habitat	construction period	Contractor	TMEIA		Y		<b>✓</b>
7.13	6.5	Placement of equipment in designated areas within the existing disturbed land	All areas / Throughout construction period	Contractor	TMEIA		Y		<b>✓</b>
7.13	6.5	Disturbed areas to be reinstated immediately after completion of the works.	All areas / Throughout construction period	Contractor	TMEIA		Y		<b>✓</b>

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

#### Tuen Mun – Chek Lap Kok Link

#### Northern Connection Sub-sea Tunnel Section

#### Environmental Mitigation and Enhancement Measure Implementation Schedule

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Im	plementa Stages	tion	Status *
	Reference					D	С	0	
7.13	6.5	Construction activities should be restricted to the proposed works boundary.	All areas / Throughout construction period	Contractor	TMEIA		Y		<b>✓</b>
LANDSCAPE A	ND 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		<b>*</b>
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		<b>*</b>
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		<b>*</b>
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
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		<b>✓</b>

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

#### Tuen Mun – Chek Lap Kok Link

#### Northern Connection Sub-sea Tunnel Section

# Environmental Mitigation and Enhancement Measure Implementation Schedule

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Imp	olementat Stages	tion	Status *
10.6	Reference		C + 17 + 1		TRACTA IAI 1	D	C	0	1
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.		Contractor	TMEIA, Works Branch Technical Circular No. 5/99 for the Trip-ticket System for Disposal of Construction and Demolition Material		Y		v
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		<b>~</b>
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.		Contractor	TMEIA		Y		<b>√</b>
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.		Contractor	TMEIA		Y		<b>√</b>
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		<b>*</b>
12.6	8.1	The site and surroundings shall be kept tidy and litter free.	All areas / throughout construction period	Contractor	TMEIA		Y		<b>√</b>

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

#### Tuen Mun – Chek Lap Kok Link

#### Northern Connection Sub-sea Tunnel Section

#### Environmental Mitigation and Enhancement Measure Implementation Schedule

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Imp	olementat Stages	tion	Status *
	Reference					D	С	О	
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 Detailed Design Design TMEIA he use of recycled aggregates where appropriate.  Consultant		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.	construction period	Contractor	TMEIA		Y		<b>~</b>
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		<b>✓</b>
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		<b>✓</b>
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		<b>✓</b>
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.		Contractor	TMEIA		Y		<b>√</b>
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.	construction period	Contractor	TMEIA		Y		•

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

## Tuen Mun – Chek Lap Kok Link

#### Northern Connection Sub-sea Tunnel Section

# Environmental Mitigation and Enhancement Measure Implementation Schedule

EIA Reference	Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages			Status *
	Reference					D	С	0	
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.	construction period	Contractor	TMEIA		Y		<b>√</b>
12.6	8.1	All falsework will be steel instead of wood.	All areas / throughout construction period	Contractor	TMEIA		Y		<b>*</b>
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 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	construction period	Contractor	TMEIA		Y		

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

#### Tuen Mun – Chek Lap Kok Link

#### Northern Connection Sub-sea Tunnel Section

#### Environmental Mitigation and Enhancement Measure Implementation Schedule

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Stages		tion	Status *
	Reference					D	C	0	
		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		<b>✓</b>
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.		Contractor	TMEIA		Y		<b>~</b>
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.	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		<b>✓</b>
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.		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.	construction period	Contractor	TMEIA		Y		<b>*</b>

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

#### Tuen Mun – Chek Lap Kok Link

#### Northern Connection Sub-sea Tunnel Section

#### Environmental Mitigation and Enhancement Measure Implementation Schedule

EIA Reference	Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages		Status *	
	Reference					D	С	0	
12.6		EM&A of waste handling, storage, transportation, disposal procedures and documentation through the site audit programme shall be undertaken.		Contractor	EM&A Manual		Y		✓
CULTURAL HE	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

# 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	260
	ASR5 = 238	
	AQMS1 = 213	
	AQMS2 / ASR6 = 238	
	ASR10 = 214	
1 Hour TSP Level in μg /m³	ASR1 = 331	500
-	ASR5 = 340	
	AQMS1 = 335	
	AQMS2 / ASR6 = 338	
	ASR10 = 337	

Table D2 Action and Limit Levels for Water Quality

Parameter	Action Level#	Limit Level#
DO in mg/L (a)	Surface and Middle	Surface and Middle
	5.0 mg/L	4.2 mg/L
	<u>Bottom</u>	<u>Bottom</u>
	4.7 mg/L	3.6 mg/L
Turbidity in NTU (Depthaveraged (b), (c))	120% of upstream control station at the same tide of the same day and 95%-ile of baseline data, i.e.,	130% of upstream control station at the same tide of the same day and 99%-ile of baseline data, i.e.,
	27.5 NTU	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 &	STG < 70% of baseline &	
	ANI < 70% of baseline	ANI < 70% of baseline	
Limit Level	[STG < 40% of baseling	ne & ANI < 40% of baseline]	
and			
	STG < 40% of baseling	ne & 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 Lanta	North Lantau Social Cluster					
	NEL	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]					
	á á	and					
	NWL = [STG < 3.9 & ANI < 17.9]						

# Appendix E

Copies of Calibration Certificates for Air Quality and Water Quality Monitoring

Location : ASR 1
Calibrated by : P.F.Yeung
Date : 10/02/2014

Sampler

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

Calibration Orfice and Standard Calibration Relationship

Serial Number : 2454

 Service Date
 :
 12 Mar 2013

 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) : 1019 Ta(K) : 292

Resi	stance Plate	dH [green liquid]	Z	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	13.0	3.717	1.797	53	54.64
2	13 holes	10.2	3.293	1.590	46	47.43
3	10 holes	7.4	2.805	1.353	40	41.24
4	7 holes	4.9	2.282	1.099	31	31.96
5	5 holes	3.0	1.786	0.858	24	24.74

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

#### Sampler Calibration Relationship (Linear Regression)

Slope(m):31.788 Intercept(b): -2.582 Correlation Coefficient(r): 0.9990

Checked by: Magnum Fan Date: 15/02/2014

Location : ASR 1
Calibrated by : P.F.Yeung
Date : 10/04/2014

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) : 1015 Ta(K) : 296

Resi	stance Plate	dH [green liquid]	Z	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	12.4	3.537	1.704	53	53.23
2	13 holes	9.8	3.144	1.515	46	46.20
3	10 holes	7.3	2.714	1.308	38	38.17
4	7 holes	4.6	2.154	1.038	30	30.13
5	5 holes	2.9	1.710	0.824	22	22.10

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

#### Sampler Calibration Relationship (Linear Regression)

Slope(m): 34.944 Intercept(b): -6.690 Correlation Coefficient(r): 0.9990

Checked by: Magnum Fan Date: 16/04/2014

Location : ASR 5
Calibrated by : P.F.Yeung
Date : 10/02/2014

Sampler

 Model
 :
 TE-5170

 Serial Number
 :
 S/N 0816

Calibration Orfice and Standard Calibration Relationship

Serial Number : 2454

 Service Date
 :
 12 Mar 2013

 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) : 1019 Ta(K) : 282

Resi	stance Plate	dH [green liquid]	Z	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	12.2	3.601	1.740	54	55.67
2	13 holes	9.8	3.228	1.559	49	50.52
3	10 holes	7.5	2.824	1.362	43	44.33
4	7 holes	4.8	2.259	1.088	35	36.09
5	5 holes	2.9	1.756	0.844	27	27.84

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

#### Sampler Calibration Relationship (Linear Regression)

Slope(m):31.009 Intercept(b): 1.999 Correlation Coefficient(r): 0.9996

Checked by: Magnum Fan Date: 15/02/2014

Location : ASR 5
Calibrated by : P.F.Yeung
Date : 10/04/2014

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) : 1015 Ta(K) : 296

Resi	stance Plate	dH [green liquid]	Z	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	12.6	3.565	1.718	52	52.23
2	13 holes	9.8	3.144	1.515	46	46.20
3	10 holes	6.8	2.619	1.262	38	38.17
4	7 holes	4.8	2.200	1.060	32	32.14
5	5 holes	2.8	1.681	0.810	24	24.10

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

# Sampler Calibration Relationship (Linear Regression)

Slope(m): 30.983 Intercept(b): -0.878 Correlation Coefficient(r): 0.9999

Checked by: Magnum Fan Date: 16/04/2014

# High-Volume TSP Sampler 5-Point Calibration Record

Location : ASR 6
Calibrated by : P.F.Yeung
Date : 10/02/2014

Sampler

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

Calibration Orfice and Standard Calibration Relationship

Serial Number : 2454

 Service Date
 :
 12 Mar 2013

 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) : 1019 Ta(K) : 282

Resistance Plate		dH [green liquid]	Z	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	12.6	3.660	1.769	57	58.77
2	13 holes	9.9	3.244	1.567	50	51.55
3	10 holes	7.2	2.767	1.335	42	43.30
4	7 holes	4.7	2.235	1.077	34	35.05
5	5 holes	2.8	1.725	0.829	25	25.78

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): 34.790 Intercept(b): -2.864 Correlation Coefficient(r): 0.9997

Checked by: Magnum Fan Date: 15/02/2014

# High-Volume TSP Sampler 5-Point Calibration Record

Location : ASR 6
Calibrated by : P.F.Yeung
Date : 10/04/2014

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) : 1015 Ta(K) : 296

Resistance Plate		dH [green liquid]	Z	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	11.4	3.391	1.634	55	55.24
2	13 holes	9.0	3.013	1.452	48	48.21
3	10 holes	6.6	2.580	1.243	40	40.17
4	7 holes	4.5	2.131	1.027	32	32.14
5	5 holes	2.8	1.681	0.810	24	24.10

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): <u>37.778</u> Intercept(b): <u>-6.617</u> Correlation Coefficient(r): <u>0.999</u>

Checked by: Magnum Fan Date: 16/04/2014

Location : ASR10"
Calibrated by : P.F.Yeung
Date : 10/02/2014

Sampler

 Model
 :
 TE-5170

 Serial Number
 :
 S/N 8162

Calibration Orfice and Standard Calibration Relationship

Serial Number : 2454

 Service Date
 :
 12 Mar 2013

 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) : 1019 Ta(K) : 282

Resistance Plate		dH [green liquid]	Z	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	12.6	3.660	1.769	57	58.77
2	13 holes	10.5	3.341	1.614	52	53.61
3	10 holes	7.6	2.842	1.372	45	46.40
4	7 holes	4.8	2.259	1.088	36	37.12
5	5 holes	3.0	1.786	0.858	28	28.87

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

#### Sampler Calibration Relationship (Linear Regression)

Slope(m): 32.526 Intercept(b): 1.364 Correlation Coefficient(r): 0.9995

Checked by: Magnum Fan Date: 15/02/14

Location : ASR10
Calibrated by : P.F.Yeung
Date : 10/04/2014

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) : 1015 Ta(K) : 296

Resistance Plate		dH [green liquid]	Z	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	11.1	3.346	1.612	61	61.27
2	13 holes	9.0	3.013	1.452	54	54.24
3	10 holes	7.2	2.695	1.299	48	48.21
4	7 holes	5.0	2.246	1.082	38	38.17
5	5 holes	2.9	1.710	0.824	28	28.12

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

#### Sampler Calibration Relationship (Linear Regression)

Slope(m):42.292 Intercept(b): -7.032 Correlation Coefficient(r): 0.9996

Checked by: Magnum Fan Date: 16/04/14

Location : AQMUI
Calibrated by : P.F.Yeung
Date : 10/02/2014

Sampler

 Model
 :
 TE-5170

 Serial Number
 :
 S/N 1253

Calibration Orfice and Standard Calibration Relationship

 Serial Number
 : 2454

 Service Date
 : 12 Mar 2013

 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) : 1019 Ta(K) : 282

Resi	stance Plate	dH [green liquid]	Z	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	8 holes 12.5 3.645 1.762		54	55.67	
2	13 holes	10.1	3.277	1.583	48	49.49
3	10 holes	7.5	2.824	1.362	42	43.30
4	7 holes	4.7	2.235	1.077	33	34.02
5	5 holes	3.0	1.786	0.858	26	26.81

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

#### Sampler Calibration Relationship (Linear Regression)

Slope(m): 31.647 Intercept(b): 0.1797 Correlation Coefficient(r): 0.9997

Checked by: Magnum Fan Date: 15/02/2014

Location : AQMS1
Calibrated by : P.F.Yeung
Date : 10/04/2014

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) : 1015 Ta(K) : 296

Resi	stance Plate	dH [green liquid]	Z	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	les 12.4 3.537 1.704 53		53	53.23	
2	13 holes	9.6	3.112	1.500	47	47.21
3	10 holes	7.2	2.695	1.299	42	42.18
4	7 holes	4.6	2.154	1.038	35	35.15
5	5 holes	2.8	1.681	0.810	28	28.12

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

#### Sampler Calibration Relationship (Linear Regression)

Slope(m):27.690 Intercept(b): 6.009 Correlation Coefficient(r): 0.9994

Checked by: Magnum Fan Date: 16/04/2014



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#### AIR POLLUTION MONITORING EQUIPMENT

#### ORIFICE TRANSFER STANDARD CERTIFICATION WORKSHEET TE-5025A

Date - Ma Operator	•	Rootsmeter Orifice I.I		438320 2454	Ta (K) - .Pa (mm) -	293 - 748.03
PLATE OR Run # 1 2 3 4 5	VOLUME START (m3)  NA NA NA NA NA NA NA	VOLUME STOP (m3)  NA NA NA NA NA NA	DIFF VOLUME (m3) 1.00 1.00 1.00 1.00	DIFF TIME (min)  1.4750 1.0290 0.9170 0.8740 0.7220	METER DIFF Hg (mm) 3.2 6.4 8.0 8.9 12.8	ORFICE DIFF H2O (in.)  2.00 4.00 5.00 5.50 8.00

#### DATA TABULATION

Vstd	(x axis) Qstd	(y axis)	Va	(x axis) Qa	(y axis)
0.9967 0.9925 0.9902 0.9891 0.9839	0.6757 0.9645 1.0799 1.1317 1.3627	1.4150 2.0010 2.2372 2.3464 2.8299	0.9957 0.9915 0.9892 0.9881 0.9828	0.6750 0.9635 1.0788 1.1305 1.3613	0.8851 1.2517 1.3995 1.4678 1.7702
Qstd slop intercept coefficie	(b) = ent (r) =	2.05818 0.01929 0.99991 Pa/760)(298/7	 Qa slope intercept coefficie	(b) =	1.28880 0.01207 0.99991

#### 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 =  $1/m\{ [SQRT H2O(Ta/Pa)] - b\}$ 



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) - Operator Tisch Orifice I.D 2454 Pa (mm) -							
PLATE OR Run # 1 2 3 4 5	VOLUME START (m3) NA NA NA NA NA	VOLUME STOP (m3)  NA NA NA NA NA	DIFF VOLUME (m3)  1.00 1.00 1.00 1.00	DIFF TIME (min)  1.4740 1.0340 0.9240 0.8820 0.7270	METER DIFF Hg (mm) 3.2 6.4 7.9 8.8 12.7	ORFICE DIFF H2O (in.) 2.00 4.00 5.00 5.50 8.00	

#### DATA TABULATION

Vstd	(x axis) Qstd	(y axis)		Va	(x axis) Qa	(y axis)
1.0103 1.0061 1.0040 1.0028 0.9976	0.6854 0.9730 1.0866 1.1370 1.3722	1.4245 2.0146 2.2524 2.3623 2.8491		0.9958 0.9916 0.9895 0.9884 0.9832	0.6755 0.9590 1.0709 1.1206 1.3524	0.8791 1.2433 1.3900 1.4579 1.7583
Qstd slope (m) = 2.07593 intercept (b) = -0.00102 coefficient (r) = 0.99996				Qa slope intercept coefficie	(b) =	1.29991 -0.00063 0.99996
y axis =	SQRT [H2O (F	a/760) (298/5	[a)]	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 =  $1/m\{[SQRT H2O(Ta/Pa)] - b\}$ 



# Certification of Quality

This product has been tested in accordance with procedures established through Global Water Instrumentation's Quality Management System. This product meets or exceeds its manufacturing acceptance criteria.

ITEM DESCRIPTION:

Wind Direction

MODEL NAME/ NUMBER:

WE570

PART NUMBER:

ED0000

SENSOR RANGE:

0-360°

SENSOR OUTPUT:

4.01-20.03 mA

ACCURACY:

1% of full scale

POWER REQUIRED

10-36 VDC

SERIAL NUMBER:

1337005143

CABLE LENGTH:

25 ft

CERTIFICATES:

**CE** Compliant

Technician:

Wright, Jess

Date: 9/12/2013

Global Water Instrumentation warrants that its products are free from defects in material & workmanship under normal use & service for a period of one year from date of original shipment from factory. Repaired components are warranted for a period of 90 days from shipment. Contact us for complete warranty details.



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# Certification of Quality

This product has been tested in accordance with procedures established through Global Water Instrumentation's Quality Management System. This product meets or exceeds its manufacturing acceptance criteria.

ITEM DESCRIPTION:

Wind Speed Sensor

MODEL NAME/ NUMBER:

WE550

PART NUMBER:

EC0000

SENSOR RANGE:

0-110 MPH

SENSOR OUTPUT:

4.00-19.91 mA

ACCURACY:

.2 MPH over the range 11 to 55 MPH

POWER REQUIRED

10-36 VDC

SERIAL NUMBER:

1337005099

CABLE LENGTH:

25 ft

CERTIFICATES:

CE Compliant

Contact Global Water Water Leve Water Flow Water Samplers Water Qualit

Remote Monitoring

Technician:

Wright, Jess

Date: 9/10/2013



Global Water Instrumentation warrants that its products are free from defects in material & workmanship under normal use & service for a period of one year from date of original shipment from factory. Repaired components are warranted for a period of 90 days from shipment. Contact us for complete warranty details.



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## Performance Check of Turbidity Meter

Equipment Ref. No. : <u>ET/0505/010</u> Manufacturer : HACH

Serial No. : 11110 C 014260 Model No. : 21000

Due Date : 06/04/2014 Date of Calibration : 07/01/2014

Theoretical Value of Turbidity Standard (NTU)	Measured Value (NTU)	Difference % *
20	19.2	-4.08
100	104	3.92
800	793	-0.88

(\*) Difference = (Measured Value – Theoretical Value) / Theoretical Value

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.

Checked by: Prepared by:



## Performance Check of Turbidity Meter

Equipment Ref. No.

: ET/0505/010

Manufacturer

: HACH

Model No.

: 2100O

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: \_\_\_\_\_



Form E/CE/R/12 Issue 8 (1/2) [05/13]

#### Internal Calibration Report of Dissolved Oxygen Meter

Equipment Ref. No.

: ET/EW/008/005

Manufacturer

YSI

Model No.

Pro 2030

Serial No.

12A 100353

Date of Calibration

: 29/01/2014

Calibration Due Date

28/04/2014

#### Temperature Verification

Ref. No. of Reference Thermometer:

ET/0521/008

Ref. No. of Water Bath:

		Temperature (°C)				
Reference Thermometer reading	Measured	20.2	Corrected	19.8		
DO Meter reading	Measured	19.7	Difference	0.1		

#### Standardization of sodium thiosulphate (Na $_2$ S $_2$ O $_3$ ) solution

Reagent No. of Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> titrant	CPE/012/4.5/001/8	Reagent No. of 0.025N K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	CPE/012/4.4/001/24	
		Trial I	Trial 2	
Initial Vol. of Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (ml)		0.00	10.50	
Final Vol. of Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (ml)		10.50	20.95	
Vol. of Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> used (ml)		10.50	10.45	
Normality of Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> solution (N)		0.02381	0.02392	
Average Normality (N) of Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> s	olution (N)	0.02387		
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	1	0
Trial	1	2	1	2	1	2
Initial Vol. of Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (ml)	0.00	11.90	23.50	0.00	8.20	13.20
Final Vol. of Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (ml)	11.90	23.50	31.90	8.20	13.20	17.90
Vol. (V) of Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> used (ml)	11.90	11.60	8.40	8.20	5.00	4.70
Dissolved Oxygen (DO), mg/L	7.63	7.43	5.38	5.25	3.20	3.01
Acceptance criteria, Deviation	Less than	n + 0.3mg/L	Less than	+ 0.3mg/L	Less than	+ 0.3mg/L

Calculation:

DO (mg/L) =  $V \times N \times 8000/298$ 

D	DO meter reading, mg/L		Winkler Titration result *, mg/L			Difference (%) of DO	
Purging time, min	1	2	Average	1	2	Average	Content
2	7.65	7.41	7.53	7.63	7.43	7.53	0.00
5	5.38	5.21	5.30	5.38	5.25	5.32	0.38
10	3.22	3.09	3.16	3.20	3.01	3.11	1.59
Linea	r regression	coefficient				0.9998	



Form E/CE/R/12 Issue 8 (2/2) [05/13]

#### Internal Calibration Report of Dissolved Oxygen Meter

Zero Point Checking

DO meter reading, mg/L	0.00

Salinity Checking

	ľ		
Reagent No. of NaCl (10ppt)	CPE/012/4.7/002/15	Reagent No. of NaCl (30ppt)	CPE/012/4.8/002/15

Determination of dissolved oxygen content by Winkler Titration \*\*

Salinity (ppt)	10	0	30		
Trial	1 2		1	2	
Initial Vol. of Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (ml)	0.00	12.30	24.40	35.80	
Final Vol. of Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (ml)	12.30	24.40	35.80	47.00	
Vol. (V) of Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> used (ml)	12.30	12.10	11.40	11.20	
Dissolved Oxygen (DO), mg/L	7.88	7.75	7.31	7.18	
Acceptance criteria, Deviation	Less than + 0.3mg/L		Less that	n + 0.3mg/L	

Calculation:

DO  $(mg/L) = V \times N \times 8000/298$ 

Salinity (ppt)	DO meter reading, mg/L		Winkler	Titration resu	ılt**, mg/L	Difference (%) of DO	
Samily (ppt)	I	2	Average	1	2	Average	Content
10	7.88	7.65	7.77	7.88	7.75	7.82	0.64
30	7.23	7.14	7.19	7.31	7.18	7.25	0.83

#### 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  $\pm$  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:

J

CEP/012/W



Form E/CE/R/12 Issue 8 (1/2) [05/13]

#### **Internal Calibration Report of Dissolved Oxygen Meter**

Equipment Ref. No.

ET/EW/008/005

Manufacturer

YSI

Model No.

: Pro 2030

Serial No.

12A 100353

Date of Calibration

28/04/2014

Calibration Due Date

27/07/2014

#### Temperature Verification

Ref. No. of Reference Thermometer:

ET/0521/008

Ref. No. of Water Bath:

	Temperature (°C)			
Reference Thermometer reading	Measured	20.1	Corrected	19.7
DO Meter reading	Measured	19.6	Difference .	0.1

#### Standardization of sodium thiosulphate (Na 2S 2O 3) solution

Reagent No. of Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> titrant	CPE/012/4.5/001/8	Reagent No. of 0.025N K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	CPE/012/4.4/001/26	
		Trial 1	Trial 2	
Initial Vol. of $Na_2S_2O_3$ (ml)		0.00	10.20	
Final Vol. of Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (ml)		10.20	20.45	
Vol. of Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> used (ml)		10.20	10.25	
Normality of Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> solution (N)		0.02451	0.02439	
Average Normality (N) of Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> s	solution (N)	0.02445		
Acceptance criteria, Deviation		Less than $\pm 0.001$ N		

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		0	
Trial	1	2	1	2	1	2	
Initial Vol. of Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (ml)	0.00	12.00	24.00	0.00	8.10	12.90	
Final Vol. of Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (ml)	12.00	24.00	32.00	8.10	12.90	17.60	
Vol. (V) of Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> used (ml)	12.00	12.00	8.00	8.10	4.80	4.70	
Dissolved Oxygen (DO), mg/L	7.88	7.88	5.25	5.32	3.15	3.08	
Acceptance criteria, Deviation	Less that	Less than + 0.3mg/L		Less than + 0.3mg/L		Less than + 0.3mg/L	

Calculation:

DO (mg/L) =  $V \times N \times 8000/298$ 

Purging time, min	DO 1	neter reading	g, mg/L	Winkler	Titration res	ult *, mg/L	Difference (%) of DO
1 tirging time, inin	i	2	Average	1	2	Average	Content
2	7.65	7.58	7.62	7.88	7.88	7.88	3.35
5	5.34	5.39	5.37	5.25	5.32	5.29	1.50
10	3.21	3.17	3.19	3.15	3.08	3.12	2.22
Linear regression coefficient						0.9983	



Form E/CE/R/12 Issue 8 (2/2) [05/13]

#### **Internal Calibration Report of Dissolved Oxygen Meter**

7	Dalus	Checking	
zero	roini	Спескіпр	

	DO		
	DO meter reading mg/L.	0.00	
ı	20 meter redamg, mg 2	0.00	

#### Salinity Checking

		T	·
Reagent No. of NaCl (10ppt)	CPE/012/4.7/002/19	Reagent No. of NaCl (30ppt)	CPE/012/4.8/002/19

#### Determination of dissolved oxygen content by Winkler Titration \*\*

Salinity (ppt)	10			30		
Trial	1	2	1	2		
Initial Vol. of Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (ml)	0.00	11.90	23.70	34.20		
Final Vol. of Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (ml)	11.90	23.70	34.20	44.80		
Vol. (V) of $Na_2S_2O_3$ used (ml)	11.90	11.80	10.50	10.60		
Dissolved Oxygen (DO), mg/L	7.81	7.75	6.89	6.96		
Acceptance criteria, Deviation	Less than + 0.3mg/L		Less than + 0.3mg/L			

Calculation:

DO (mg/L) =  $V \times N \times 8000/298$ 

Salinity (ppt)	DO r	neter reading	g, mg/L	Winkler Titration result		lt**, mg/L	Difference (%) of DO	
Cumity (ppt)	1	2	Average	1	2	Average	Content	
10	7.86	7.79	7.83	7.81	7.75	7.78	0.64	
30	6.95	6.99	6.97	6.89	6.96	6.93	0.58	

#### 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  $\pm$  5%

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

" Delete as appropriate

Calibrated by

hade a

Approved by:

CEP/012/W



## Performance Check of Salinity Meter

Equipment Ref. No. : ET/EW/008/005

Manufacturer

: YSI

Model No.

: Pro 2030

Serial No.

: 12A 100353

Date of Calibration

: 29/01/2014

Due Date

: 28/04/2014

Ref. No. of Salinity Standard used (30ppt)

S/001/5

Salinity Standard (ppt)	Measured Salinity (ppt)	Difference %
30.0	30.9	3.00

Acceptance Criteria

Difference: <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:



Performance Check of Salinity Meter						
Equipment Ref. No. : <u>ET/EV</u>	V/008/005	Manufacturer : <u>YSI</u>				
Model No. : <u>Pro 20</u>	30	Serial No. : <u>12A 100353</u>				
Date of Calibration : 28/04/	2014	Due Date : <u>27/07/2014</u>				
Ref. No. of Salinity Stand	dard used (30ppt)	S/001/5				
Salinity Standard (ppt)	Measured Salinity (ppt)	Difference * (%)				
30.0	31.1	3.67				
(*) Difference (%) = (Measured	Salinity – Salinity Star	ndard value) / Salinity Standard value x 100				
Acceptance Criteria	Difference : -10 %	to 10 %				
•	<u> </u>	y * with the specified requirements ruse. Measurements are traceable to				
Checked by:	App:	roved by:				



Internal Calibration &	Performance Chec	k of pH Mete	r
Equipment Ref. No.: ET/EW/007/003	Manufacturer	: HANNA	
Model No. : HI 8314	Serial No.	: 674469	
Date of Calibration : 10/03/2014	Calibration Due Date	: 09/04/2014	
Liquid Junction Error			
Primary Standard Solution Used : Phosphate	Ref No. o	of Primary Solution	: 003/5.2/001/17
Temperature of Solution : 20.0		ΔpH <sub>½</sub> =	= +0.08
pH value of diluted buffer : 6.79		pH (S) =	6.881
$\Delta$ pH = pH(S) - pH of diluted buffer = 0.091	(Observed Devia	tion)	
Liquid Junction Error $(\Delta pH_j) = \Delta pH - \Delta pH_{\frac{1}{2}} = 0.0^{\circ}$	11		
Shift on Stirring		AND THE PROPERTY OF THE PROPER	
Shirt on Surring			
pH of buffer solution (with stirring), pH <sub>s</sub> =	6.90		
Shift on stirring, $\Delta pH_s = pH_s - pH(S) - \Delta pH_j =$	0.008		
Noise			
Noise, $\Delta pH_n$ = difference between max and min re	eading: 0.00		
Verification of ATC			
D. C. N	ET/0521/0	no	
Ref. No. of reference thermometer used:		<u> </u>	<sup>−</sup> °c
Temperature record from the reference thermome			- °C
Temperature record from the ATC (T <sub>ATC</sub> ):	19.9		_° C
Temperature Difference,   T <sub>R</sub> - T <sub>ATC</sub>	0.1		_
Acceptance Criteria			-
Performance Characteristic	Acce	ptable Range	
Liquid Junction Error ∆pHj		≤0.05	
Shift on Stirring ∆pHs		≤0.02	
Noise ∆pHn		≤0.02	_
Verifcation of ATC Temperature	e Difference	≤0.5°C	J
The pH meter complies * / does not comply * unacceptable * for use. Measurements are tracea * Delete as appropriate		ents and is deem	ed acceptable * /
		~	
Calibrated by :	Checked b	ру:	

CPE/015/W



Internal (	Calibration & Pe	erformance Check	of pH Met	er
Equipment Ref. No.: ET/	EW/007/003 N	/Janufacturer	: HANNA	
Model No. : HI 8	 3314 S	Serial No.	: 674469	
		Calibration Due Date	: 09/05/2014	
Liquid Junction Error	Spine (Chief Chief Chief			
Primary Standard Solution Us	sed : <u>Phosphate</u>	Ref No. o	f Primary Solutio	n: <u>003/5.2/001/17</u>
Temperature of Solution:	20.0		∆pH ½	= +0.08
pH value of diluted buffer :	6.77			= 6.881
$\Delta pH = pH(S) - pH$ of diluted b	uffer = 0.111	(Observed Deviati	on)	
Liquid Junction Error (∆pH <sub>j</sub> ) =	$\Delta pH - \Delta pH_{\frac{1}{2}} = 0.031$		· · · · · · · · · · · · · · · · · · ·	
Shift on Stirring				100 (100 m) and 400 m)
Sint on Suring				
pH of buffer solution (with stir	ring), pH <sub>s</sub> =	6.92		
Shift on stirring, $\triangle pH_s$ = $pH_s$ - $pH_s$	oH(S) - ΔpH <sub>j</sub> =	0.008		
Noise				TO THE STATE OF TH
Noise, $\triangle pH_n$ = difference betw	roop may and min roadi	~~ · 0.00		
Noise, Δρί i <sub>n</sub> – umerence betw	een max and min readi	ng : <u>0.00</u>		
Verification of ATC				
Ref. No. of reference thermon	neter used:	ET/0521/00	A	
Temperature record from the r		***************************************	<u> </u>	-°c
Temperature record from the		19.9	**************************************	_ °c
Temperature Difference, $ T_R $		0.1	***************************************	$ ^{\circ}$ c
	- ATC	U. I	31001	
Acceptance Criteria				
Performano	ce Characteristic	Accept	table Range	7
Liquid Junction Error	∆рНј		≤0.05	
Shift on Stirring	∆pHs		≤0.02	
Noise	∆pHn		≤0.02	
Verifcation of ATC	Temperature Dif	ference ≤	(0.5°C	
The pH meter complies * / dunacceptable * for use. Measure * Delete as appropriate	ees net comply * with urements are traceable	the specified requirement to national standards.	nts and is deem	ned acceptable * /
	, ,			
Calibrated by :	US	Checked by	: _/	

CPE/015/W

## 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 - April 2014

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

Air quality monitoring static	no. North, Norto, Norto, N	OTCTO, AQIMOT				
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		01-Apr	02-Apr	03-Apr	04-Apr	public holiday 05-Apr
				1-hour TSP - 3 times		
				24-hour TSP - 1 time		
				Impact AQM		
06-Apr	07-Apr	08-Apr			11-Apr	12-Apr
			1-hour TSP - 3 times			
			24-hour TSP - 1 time			
			Impact AQM	4= 1	40.4	40.1
13-Apr	14-Apr		16-Apr			public holiday 19-Apr
		1-hour TSP - 3 times 24-hour TSP - 1 time			1-hour TSP - 3 times 24-hour TSP - 1 time	
		24-11001 13F - 1 tillle			24-11001 13P - 1 tillle	
		Impact AQM			Impact AQM	
20-Apr	public holiday 21-Apr		23-Apr			26-Apr
	,		'	1-hour TSP - 3 times	•	•
				24-hour TSP - 1 time		
				Impact AQM		
27-Apr	28-Apr					
			1-hour TSP - 3 times			
			24-hour TSP - 1 time			
			Impact AQM			
			IIIIpaci AQIVI			

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

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

	mornitoring otalic	ns. ASR1, ASR5, ASR6, A	I				
e	unday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
3	ulluay	Wioriday	Tuesuay	Wednesday			
					public holiday 01-May	02-May	03-May
	04-May	05-May	public holiday 06-May	07-May	08-May	09-May	10-May
	,	1-hour TSP - 3 times		Í	j	,	1-hour TSP - 3 times
		24-hour TSP - 1 time					24-hour TSP - 1 time
		24-110ui 13F - 1 time					24-11001 13F - 1 tillle
		Impact AQM					Impact AQM
	11-May	12-May	13-May	14-May		16-May	17-May
						1-hour TSP - 3 times	
						24-hour TSP - 1 time	
						Import AOM	
	40.14	40.14	20.14	24.14		Impact AQM	04.14
	18-May	19-May	20-May	21-May		23-May	24-May
					1-hour TSP - 3 times		
					24-hour TSP - 1 time		
					Impact AQM		
	25-May	26-May	27-May			30-May	
	20 May	20 May		1-hour TSP - 3 times	25 May	30 May	
				24-hour TSP - 1 time			
				Impact AQM			

## HY/2012/08 - Tuen Mun - Chek Lap Kok Link - Northern Connection Sub-sea Tunnel Section Impact Marine Water Quality Monitoring (WQM) Schedule (April 14)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		01-Apr	02-A	pr 03-Apr	04-Apr	05-Apr
			WQM		WQM	
			Mid-Flood		Mid-Flood	
			8:11		9:08	
			(06:59 - 10:29)		(07:23 - 10:53)	
			Mid-Ebb		Mid-Ebb	
			14:40		16:00	
			(12:55 - 16:25)		(14:15 - 17:45)	
06-Apr	07-Apr	08-Apr	09-A	pr 10-Apr	11-Apr	12-Apr
	WQM		WQM		WQM	
	Mid-Flood		Mid-Ebb		Mid-Ebb	
	10:18		9:29		11:00	
	(08:33 - 12:03)		(08:30 - 10:30)		(09:15 - 12:45)	
	Mid-Ebb		Mid-Flood		Mid-Flood	
	18:35		13:53		16:40	
	(16:30 - 20:20)		(12:08 - 15:38)		(14:55 - 18:25)	
13-Apr	14-Apr	15-Apr	16-A	pr 17-Apr	18-Apr	19-Apr
	WQM		WQM		WQM	
	Mid-Ebb		Mid-Ebb		Mid-Flood	
	12:29		13:35		8:16	
	(10:44 - 14:14)		(11:50 - 15:20)		(06:31 - 10:01)	
	Mid-Flood		Mid-Flood		Mid-Ebb	
	18:47		20:08		14:52	
	(17:02 - 20:32)		(18:23 - 21:53)		(13:07 - 16:37)	
20-Apr	21-Apr	22-Apr	23-A	pr 24-Apr		26-Apr
	WQM		WQM		WQM	
	Mid-Flood		Mid-Ebb		Mid-Ebb	
	10:15		8:16		10:25	
	(08:30 - 12:00)		(06:31 - 10:01)		(08:40 - 12:10)	
	Mid-Ebb		Mid-Flood		Mid-Flood	
	17:26		13:07		15:57	
	(15:41 - 19:11)		(11:22 - 14:52)		(14:12 - 17:42)	
27-Apr	28-Apr	29-Apr	30-A	pr 01-May	02-May	03-May
	WQM		WQM			
	Mid-Ebb		Mid-Ebb			
	12:27		13:44			
	(10:42 - 14:12)		(11:59 - 15:29)			
	Mid-Flood		Mid-Flood			
	18:47		20:25			
	(17:02 - 20:32)		(18:40 - 22:10)			

## HY/2012/08 - Tuen Mun - Chek Lap Kok Link - Northern Connection Sub-sea Tunnel Section Tentative Marine Water Quality Monitoring (WQM) Schedule (May 14)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				01-May	02-May	03-May
					WQM	
					Mid-Flood	
					8:04	
					(06:19 - 09:49)	
					Mid-Ebb	
					14:59	
					(13:14 - 16:44)	
04-Ma			07-May	08-May	09-May	10-May
	WQM		WQM		WQM	
	Mid-Flood		Mid-Flood		Mid-Ebb	
	9:33		11:04		9:37	
	(07:48 - 11:18)		(09:19 - 12:49)		(07:52 - 11:22)	
	Mid-Ebb		Mid-Ebb		Mid-Flood	
	16:56		18:39		14:54	
	(15:11 - 18:41)		(16:54 - 20:24)		(14:55 - 18:25)	
11-Ma			14-May	15-May	16-May	17-May
	WQM		WQM		WQM	
	Mid-Ebb		Mid-Ebb		Mid-Flood	
	11:30		12:40		7:14	
	(09:45 - 13:15)		(10:55 - 14:25)		(05:29 - 8:59)	
	Mid-Flood		Mid-Flood		Mid-Ebb	
	17:52		19:23		14:00	
	(16:07 - 19:37)		(17:38 - 21:08)		(12:15 - 15:45)	
18-Ma		20-May	21-May	22-May		24-May
	WQM		WQM		WQM	
	Mid-Flood		Mid-Flood		Mid-Ebb	
	9:19		11:27		9:02	
	(07:34 - 11:04)		(09:42 - 13:12)		(07:17 - 10:47)	
	Mid-Ebb		Mid-Ebb		Mid-Flood	
	16:22		18:20		14:33	
	(14:37 - 18:07)		(16:35 - 20:05)		(12:48 - 16:18)	
25-Ma			28-May	29-May		31-May
	WQM		WQM		WQM	
	Mid-Ebb		Mid-Ebb		Mid-Flood	
	11:31		12:50		7:04	
	(09:46 - 13:16)		(11:05 - 14:35)		(05:19 - 8:49)	
	Mid-Flood		Mid-Flood		Mid-Ebb	
	17:55		19:38		14:04	
	(16:10 - 19:40)		(17:53 - 21:23)		(12:19 - 15:49)	

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

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		01-Apr	02-Apr			public holiday 05-Apr
					Impact Dolphin Monitoring	
06-Apr	07-Apr	08-Apr	09-Apr	10-Apr	11-Apr	12-Apr
		45.0	10.1	47.0	10.1	
13-Apr				17-Apr	public holiday 18-Apr	public holiday 19-Apr
	Impact Dolphin Monitoring		Impact Dolphin Monitoring			
20-Apr	public holiday 21-Apr	22-Apr			25-Apr	26-Apr
				Impact Dolphin Monitoring		
27-Apr	28-Apr	29-Apr	30-Apr			

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

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

## Appendix G

Impact Air Quality Monitoring Results

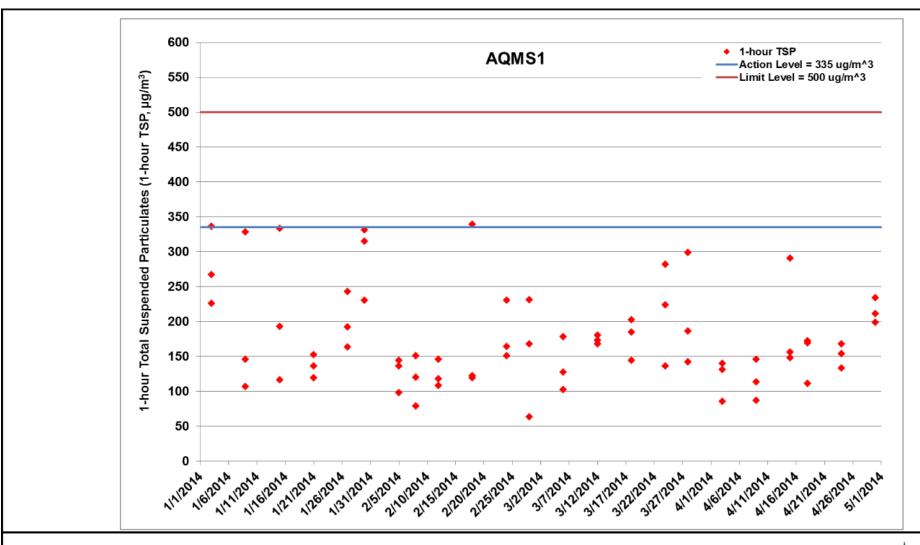


Figure G.1 Impact Monitoring – 1-hour Total Suspended Particulates ( $\mu$ g/m³) at AQMS1 between 1 January 2014 and 30 April 2014 during impact monitoring period. The weather conditions during the monitoring period varied from sunny to cloudy. Major land-based construction activities included: Construction of Site Office at WA-18 (1/1/2014 - 28/2/2014) & Construction of CLP Temporary Substation at N6 (1/1/2014 - 30/4/2014)



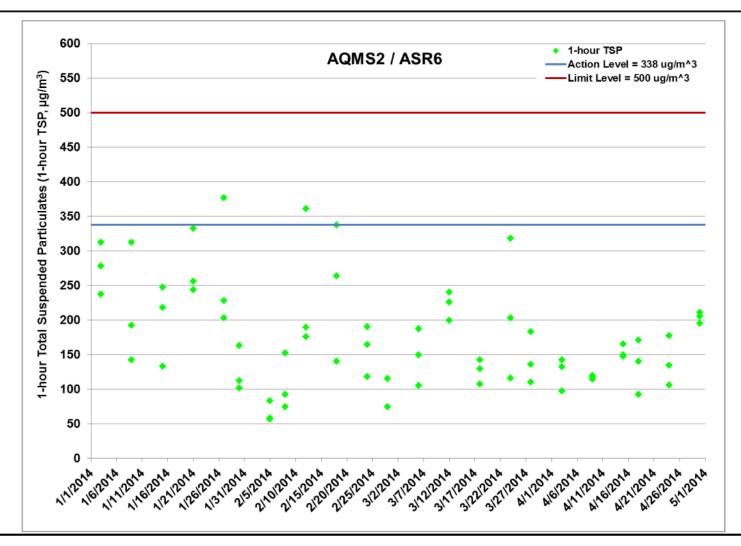


Figure G.2 Impact Monitoring – 1-hour Total Suspended Particulates ( $\mu$ g/m³) at AQMS2 / ASR6 between 1 January 2014 and 30 April 2014 during impact monitoring period. The weather conditions during the monitoring period varied from sunny to cloudy. Major land-based construction activities included: Construction of Site Office at WA-18 (1/1/2014 - 28/2/2014) & Construction of CLP Temporary Substation at N6 (1/1/2014 - 30/4/2014)



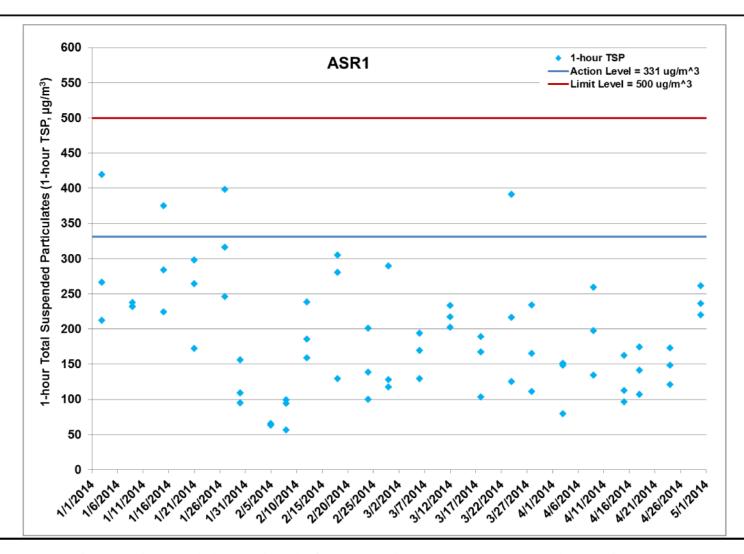


Figure G.3 Impact Monitoring – 1-hour Total Suspended Particulates ( $\mu$ g/m³) at ASR1 between 1 January 2014 and 30 April 2014 during impact monitoring period. The weather conditions during the monitoring period varied from sunny to cloudy. Major land-based construction activities included: Construction of Site Office at WA-18 (1/1/2014 - 28/2/2014) & Construction of CLP Temporary Substation at N6 (1/1/2014 - 30/4/2014)



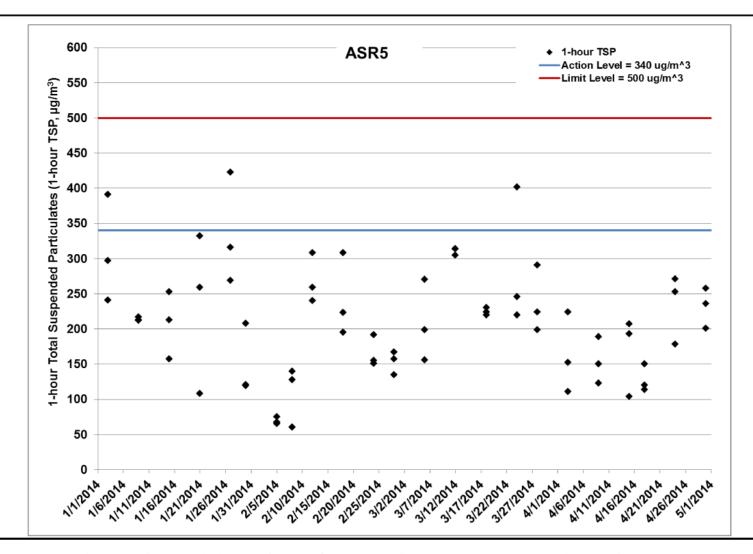


Figure G.4 Impact Monitoring – 1-hour Total Suspended Particulates (μg/m³) at ASR5 between 1 January 2014 and 30 April 2014 during impact monitoring period. The weather conditions during the monitoring period varied from sunny to cloudy. Major land-based construction activities included: Construction of Site Office at WA-18 (1/1/2014 – 28/2/2014) & Construction of CLP Temporary Substation at N6 (1/1/2014 – 30/4/2014)



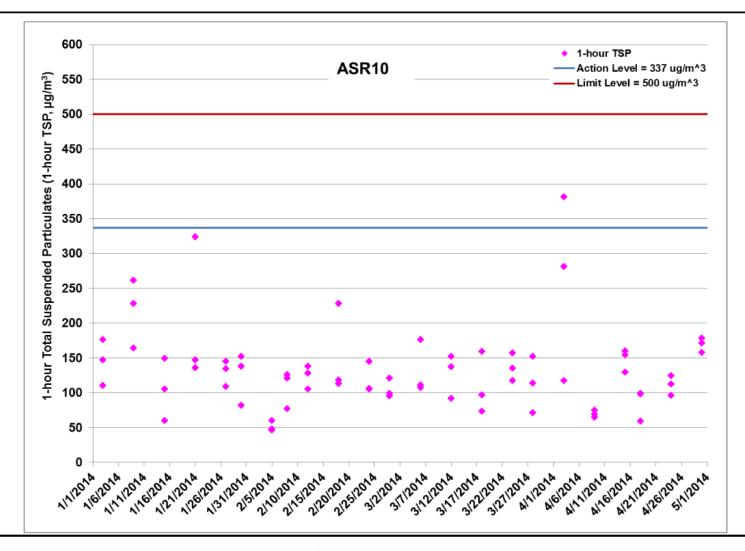


Figure G.5 Impact Monitoring – 1-hour Total Suspended Particulates ( $\mu$ g/m³) at ASR10 between 1 January 2014 and 30 April 2014 during impact monitoring period. The weather conditions during the monitoring period varied from sunny to cloudy. Major land-based construction activities included: Construction of Site Office at WA-18 (1/1/2014 - 28/2/2014) & Construction of CLP Temporary Substation at N6 (1/1/2014 - 30/4/2014)



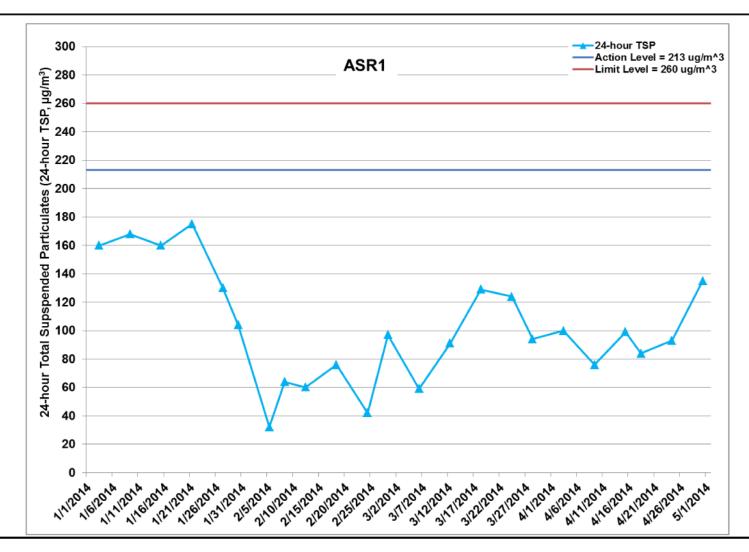


Figure G.6 Impact Monitoring – 24-hour Total Suspended Particulates ( $\mu$ g/m³) at ASR1 between 1 January 2014 and 30 April 2014 during impact monitoring period. The weather conditions during the monitoring period varied from sunny to cloudy. Major land-based construction activities included: Construction of Site Office at WA-18 (1/1/2014 - 28/2/2014) & Construction of CLP Temporary Substation at N6 (1/1/2014 - 30/4/2014)



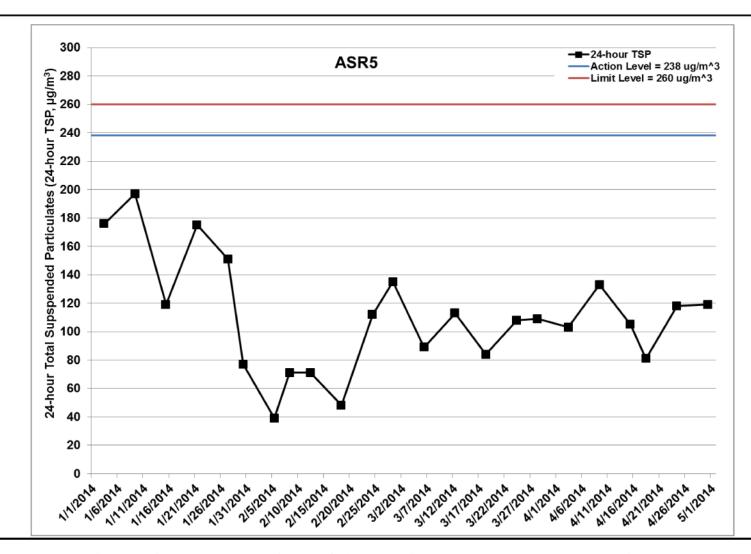


Figure G.7 Impact Monitoring – 24-hour Total Suspended Particulates ( $\mu$ g/m³) at ASR5 between 1 January 2014 and 30 April 2014 during impact monitoring period. The weather conditions during the monitoring period varied from sunny to cloudy. Major land-based construction activities included: Construction of Site Office at WA-18 (1/1/2014 - 28/2/2014) & Construction of CLP Temporary Substation at N6 (1/1/2014 - 30/4/2014)



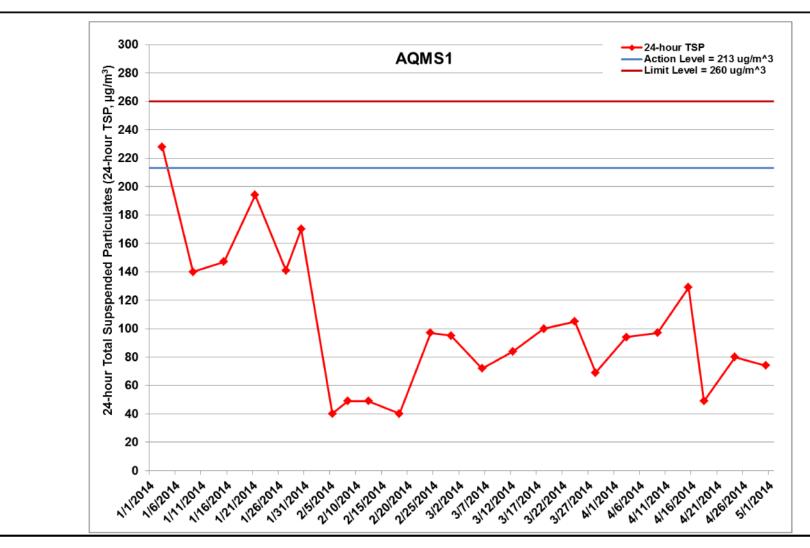


Figure G.8 Impact Monitoring – 24-hour Total Suspended Particulates ( $\mu$ g/m³) at AQMS1 between 1 January 2014 and 30 April 2014 during impact monitoring period. The weather conditions during the monitoring period varied from sunny to cloudy. Major land-based construction activities included: Construction of Site Office at WA-18 (1/1/2014 - 28/2/2014) & Construction of CLP Temporary Substation at N6 (1/1/2014 - 30/4/2014)



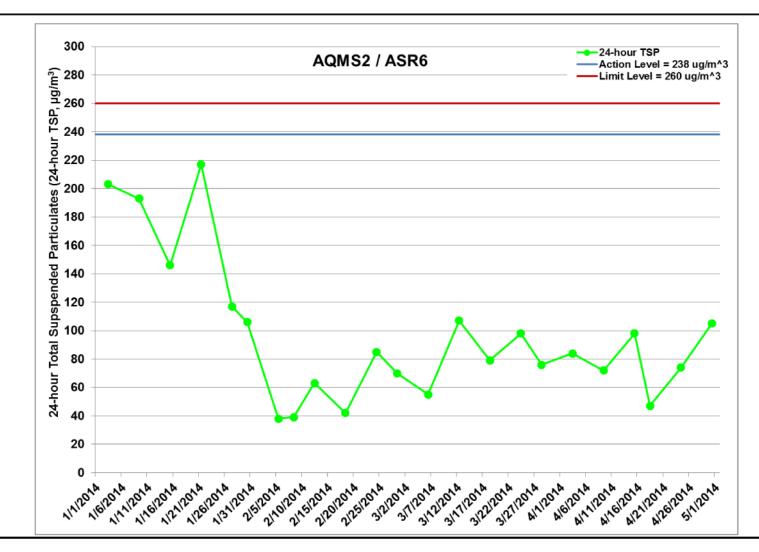


Figure G.9 Impact Monitoring – 24-hour Total Suspended Particulates (μg/m³) at AQMS2 / ASR6 between 1 January 2014 and 30 April 2014 during impact monitoring period. The weather conditions during the monitoring period varied from sunny to cloudy. Major land-based construction activities included: Construction of Site Office at WA-18 (1/1/2014 – 28/2/2014) & Construction of CLP Temporary Substation at N6 (1/1/2014 – 30/4/2014)



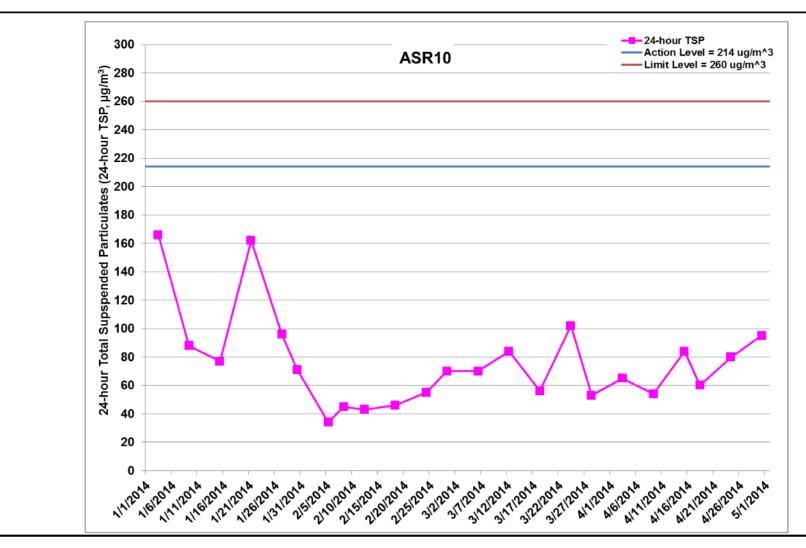


Figure G.10 Impact Monitoring – 24-hour Total Suspended Particulates ( $\mu$ g/m³) at ASR10 between 1 January 2014 and 30 April 2014 during impact monitoring period. The weather conditions during the monitoring period varied from sunny to cloudy. Major land-based construction activities included: Construction of Site Office at WA-18 (1/1/2014 - 28/2/2014) & Construction of CLP Temporary Substation at N6 (1/1/2014 - 30/4/2014)



Project	Works	Date	Station	Weather	Start time	Parameters	Results	units
TMCLKL	HY/2012/08	2014/04/03	ASR5	Cloudy	13:02	1-hour TSP	224	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/03	ASR5	Cloudy	14:04	1-hour TSP	111	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/03	ASR5	Cloudy	15:06	1-hour TSP	152	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/03	ASR1	Cloudy	13:13	1-hour TSP	151	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/03	ASR1	Cloudy	14:15	1-hour TSP	79	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/03	ASR1	Cloudy	15:17	1-hour TSP	148	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/03	AQMS1	Cloudy	13:24	1-hour TSP	131	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/03	AQMS1	Cloudy	14:26	1-hour TSP	85	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/03	AQMS1	Cloudy	15:28	1-hour TSP	140	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/03	ASR10	Cloudy	12:40	1-hour TSP	281	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/03	ASR10	Cloudy	13:42	1-hour TSP	381	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/03	ASR10	Cloudy	14:44	1-hour TSP	117	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/03	ASR6	Cloudy	12:52	1-hour TSP	142	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/03	ASR6	Cloudy	13:54	1-hour TSP	97	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/03	ASR6	Cloudy	14:56	1-hour TSP	132	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/03	ASR5	Cloudy	16:08	24-hour TSP	103	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/03	ASR1	Cloudy	16:19	24-hour TSP	100	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/03	AQMS1	Cloudy	16:30	24-hour TSP	94	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/03	ASR10	Cloudy	15:46	24-hour TSP	65	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/03	ASR6	Cloudy	15:58	24-hour TSP	84	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/09	AQMS1	Sunny	13:50	1-hour TSP	113	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/09	AQMS1	Sunny	14:52	1-hour TSP	146	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/09	AQMS1	Sunny	15:54	1-hour TSP	87	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/09	ASR1	Sunny	13:38	1-hour TSP	134	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/09	ASR1	Sunny	14:40	1-hour TSP	197	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/09	ASR1	Sunny	15:42	1-hour TSP	259	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/09	ASR5	Sunny	13:26	1-hour TSP	189	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/09	ASR5	Sunny	14:28	1-hour TSP	150	ug/m <sup>3</sup>

Project	Works	Date	Station	Weather	Start time	Parameters	Results	units
TMCLKL	HY/2012/08	2014/04/09	ASR5	Sunny	15:30	1-hour TSP	123	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/09	ASR6	Sunny	13:16	1-hour TSP	119	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/09	ASR6	Sunny	14:18	1-hour TSP	114	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/09	ASR6	Sunny	15:20	1-hour TSP	118	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/09	ASR10	Sunny	13:05	1-hour TSP	75	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/09	ASR10	Sunny	14:07	1-hour TSP	65	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/09	ASR10	Sunny	15:09	1-hour TSP	69	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/09	AQMS1	Sunny	16:56	24-hour TSP	97	ug/m3
TMCLKL	HY/2012/08	2014/04/09	ASR1	Sunny	16:44	24-hour TSP	76	ug/m3
TMCLKL	HY/2012/08	2014/04/09	ASR5	Sunny	16:32	24-hour TSP	133	ug/m3
TMCLKL	HY/2012/08	2014/04/09	ASR6	Sunny	16:22	24-hour TSP	72	ug/m3
TMCLKL	HY/2012/08	2014/04/09	ASR10	Sunny	16:11	24-hour TSP	54	ug/m3
TMCLKL	HY/2012/08	2014/04/15	AQMS1	Fine	13:52	1-hour TSP	148	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/15	AQMS1	Fine	14:54	1-hour TSP	291	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/15	AQMS1	Fine	15:56	1-hour TSP	156	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/15	ASR1	Fine	13:42	1-hour TSP	96	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/15	ASR1	Fine	14:44	1-hour TSP	162	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/15	ASR1	Fine	15:46	1-hour TSP	112	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/15	ASR5	Fine	13:29	1-hour TSP	104	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/15	ASR5	Fine	14:31	1-hour TSP	207	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/15	ASR5	Fine	15:33	1-hour TSP	193	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/15	ASR6	Fine	13:18	1-hour TSP	147	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/15	ASR6	Fine	14:20	1-hour TSP	149	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/15	ASR6	Fine	15:22	1-hour TSP	165	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/15	ASR10	Fine	13:07	1-hour TSP	129	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/15	ASR10	Fine	14:09	1-hour TSP	160	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/15	ASR10	Fine	15:11	1-hour TSP	154	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/15	AQMS1	Fine	16:58	24-hour TSP	129	ug/m3

Project	Works	Date	Station	Weather	Start time	Parameters	Results	units
TMCLKL	HY/2012/08	2014/04/15	ASR1	Fine	16:48	24-hour TSP	99	ug/m3
TMCLKL	HY/2012/08	2014/04/15	ASR5	Fine	16:35	24-hour TSP	105	ug/m3
TMCLKL	HY/2012/08	2014/04/15	ASR6	Fine	16:24	24-hour TSP	98	ug/m3
TMCLKL	HY/2012/08	2014/04/15	ASR10	Fine	16:13	24-hour TSP	84	ug/m3
TMCLKL	HY/2012/08	2014/04/18	AQMS1	Fine	13:07	1-hour TSP	169	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/18	AQMS1	Fine	14:09	1-hour TSP	111	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/18	AQMS1	Fine	15:11	1-hour TSP	172	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/18	ASR1	Fine	12:55	1-hour TSP	174	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/18	ASR1	Fine	13:57	1-hour TSP	141	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/18	ASR1	Fine	14:59	1-hour TSP	107	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/18	ASR5	Fine	12:42	1-hour TSP	150	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/18	ASR5	Fine	13:44	1-hour TSP	120	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/18	ASR5	Fine	14:46	1-hour TSP	114	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/18	ASR6	Fine	12:30	1-hour TSP	171	ug/m³
TMCLKL	HY/2012/08	2014/04/18	ASR6	Fine	13:32	1-hour TSP	140	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/18	ASR6	Fine	14:34	1-hour TSP	92	ug/m³
TMCLKL	HY/2012/08	2014/04/18	ASR10	Fine	12:20	1-hour TSP	59	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/18	ASR10	Fine	13:22	1-hour TSP	98	ug/m³
TMCLKL	HY/2012/08	2014/04/18	ASR10	Fine	14:24	1-hour TSP	99	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/18	AQMS1	Fine	16:13	24-hour TSP	49	ug/m3
TMCLKL	HY/2012/08	2014/04/18	ASR1	Fine	16:01	24-hour TSP	84	ug/m3
TMCLKL	HY/2012/08	2014/04/18	ASR5	Fine	15:48	24-hour TSP	81	ug/m3
TMCLKL	HY/2012/08	2014/04/18	ASR6	Fine	15:36	24-hour TSP	47	ug/m3
TMCLKL	HY/2012/08	2014/04/18	ASR10	Fine	15:26	24-hour TSP	60	ug/m3
TMCLKL	HY/2012/08	2014/04/24	ASR6	Cloudy	12:50	1-hour TSP	177	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/24	ASR6	Cloudy	13:52	1-hour TSP	106	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/24	ASR6	Cloudy	14:54	1-hour TSP	134	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/24	ASR10	Cloudy	12:40	1-hour TSP	112	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/24	ASR10	Cloudy	13:42	1-hour TSP	96	ug/m <sup>3</sup>

Project	Works	Date	Station	Weather	Start time	Parameters	Results	units
TMCLKL	HY/2012/08	2014/04/24	ASR10	Cloudy	14:44	1-hour TSP	124	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/24	ASR5	Cloudy	13:02	1-hour TSP	253	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/24	ASR5	Cloudy	14:04	1-hour TSP	178	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/24	ASR5	Cloudy	15:06	1-hour TSP	271	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/24	AQMS1	Cloudy	13:25	1-hour TSP	168	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/24	AQMS1	Cloudy	14:27	1-hour TSP	133	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/24	AQMS1	Cloudy	15:29	1-hour TSP	154	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/24	ASR1	Cloudy	13:14	1-hour TSP	173	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/24	ASR1	Cloudy	14:16	1-hour TSP	121	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/24	ASR1	Cloudy	15:18	1-hour TSP	148	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/24	ASR6	Cloudy	15:56	24-hour TSP	74	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/24	ASR10	Cloudy	15:46	24-hour TSP	80	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/24	ASR5	Cloudy	16:08	24-hour TSP	118	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/24	AQMS1	Cloudy	16:31	24-hour TSP	80	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/24	ASR1	Cloudy	16:20	24-hour TSP	93	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/30	AQMS1	Cloudy	12:56	1-hour TSP	234	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/30	AQMS1	Cloudy	13:58	1-hour TSP	199	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/30	AQMS1	Cloudy	15:00	1-hour TSP	211	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/30	ASR1	Cloudy	12:44	1-hour TSP	236	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/30	ASR1	Cloudy	13:46	1-hour TSP	220	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/30	ASR1	Cloudy	14:48	1-hour TSP	261	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/30	ASR10	Cloudy	12:10	1-hour TSP	158	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/30	ASR10	Cloudy	13:12	1-hour TSP	171	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/30	ASR10	Cloudy	14:14	1-hour TSP	178	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/30	ASR5	Cloudy	12:33	1-hour TSP	258	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/30	ASR5	Cloudy	13:35	1-hour TSP	236	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/30	ASR5	Cloudy	14:37	1-hour TSP	201	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/30	ASR6	Cloudy	12:22	1-hour TSP	195	ug/m <sup>3</sup>

Project	Works	Date	Station	Weather	Start time	Parameters	Results	units
TMCLKL	HY/2012/08	2014/04/30	ASR6	Cloudy	13:24	1-hour TSP	211	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/30	ASR6	Cloudy	14:26	1-hour TSP	205	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/30	AQMS1	Cloudy	16:02	24-hour TSP	74	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/30	ASR1	Cloudy	15:50	24-hour TSP	135	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/30	ASR10	Cloudy	15:16	24-hour TSP	95	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/30	ASR5	Cloudy	15:39	24-hour TSP	119	ug/m <sup>3</sup>
TMCLKL	HY/2012/08	2014/04/30	ASR6	Cloudy	15:28	24-hour TSP	105	ug/m <sup>3</sup>

## Appendix H

## Meteorological Data

	Met	eorological Data for Impact Monitoring in the	ne reporting period
Date	Time (24hrs)	Average of Wind Direction (degree)	Average of Wind Speed (m/s)
03-04-2014	0:00	106	4.05
03-04-2014	1:00	98	1.79
03-04-2014	2:00	102	2.33
03-04-2014	3:00	143	2.37
03-04-2014	4:00	112	3.34
03-04-2014	5:00	98	2.41
03-04-2014	6:00	93	1.80
03-04-2014	7:00	115	0.95
03-04-2014	8:00	156	0.79
03-04-2014	9:00	154	1.49
03-04-2014	10:00	138	1.25
03-04-2014	11:00	104	1.39
03-04-2014	12:00	132	1.29
03-04-2014	13:00	178	1.38
03-04-2014	14:00	146	1.47
03-04-2014	15:00	145	1.37
03-04-2014	16:00	126	1.44
03-04-2014	17:00	116	1.77
03-04-2014	18:00	100	2.15
03-04-2014	19:00	90	1.64
03-04-2014	20:00	104	1.00
03-04-2014	21:00	237	0.35
03-04-2014	22:00	223	0.40
03-04-2014	23:00	131	0.56
04-04-2014	0:00	236	0.45
04-04-2014	1:00	218	0.37
04-04-2014	2:00	244	0.52
04-04-2014	3:00	234	0.66
04-04-2014	4:00	142	0.75
04-04-2014	5:00	125	1.54
04-04-2014	6:00	123	1.27
04-04-2014	7:00	114	1.20
04-04-2014	8:00	124	1.30
04-04-2014	9:00	126	1.11
04-04-2014	10:00	107	3.34
04-04-2014	11:00	107	3.44
04-04-2014	12:00	111	3.56
04-04-2014	13:00	112	3.22
04-04-2014	14:00	120	2.54
04-04-2014	15:00	113	3.46
04-04-2014	16:00	115	2.53
04-04-2014	17:00	113	2.14
04-04-2014	18:00	115	2.17
04-04-2014	19:00	109	2.64
04-04-2014	20:00	104	2.97
04-04-2014	21:00	92	2.04
04-04-2014	22:00	106	2.48
04-04-2014	23:00	99	2.23
09-04-2014	0:00	180	0.46
09-04-2014	1:00	175	0.46
09-04-2014	2:00	106	0.80

	Mete	eorological Data for Impact Monitoring in the	e reporting period
Date	Time (24hrs)	Average of Wind Direction (degree)	Average of Wind Speed (m/s)
09-04-2014	3:00	149	0.55
09-04-2014	4:00	173	0.40
09-04-2014	5:00	175	0.62
09-04-2014	6:00	98	0.60
09-04-2014	7:00	85	1.11
09-04-2014	8:00	104	1.20
09-04-2014	9:00	131	0.97
09-04-2014	10:00	148	0.87
09-04-2014	11:00	172	1.02
09-04-2014	12:00	237	1.39
09-04-2014	13:00	199	1.15
09-04-2014	14:00	153	0.90
09-04-2014	15:00	189	0.84
09-04-2014	16:00	151	1.11
09-04-2014	17:00	107	1.92
09-04-2014	18:00	77	2.28
09-04-2014	19:00	90	2.14
09-04-2014	20:00	106	2.56
09-04-2014	21:00	112	2.09
09-04-2014	22:00	103	1.96
09-04-2014	23:00	112	2.16
10-04-2014	0:00	104	2.07
10-04-2014	1:00	101	1.83
10-04-2014	2:00	98	1.97
10-04-2014	3:00	106	2.56
10-04-2014	4:00	108	2.30
10-04-2014	5:00	112	1.97
10-04-2014	6:00	109	2.74
10-04-2014	7:00	113	3.01
10-04-2014	8:00	107	3.58
10-04-2014	9:00	115	3.16
10-04-2014	10:00	135	1.58
10-04-2014	11:00	132	1.91
10-04-2014	12:00	119	2.65
10-04-2014	13:00	126	2.28
10-04-2014	14:00	123	2.37
10-04-2014	15:00	120	2.49
10-04-2014	16:00	120	2.48
10-04-2014	17:00	113	2.76
10-04-2014	18:00	112	2.71
10-04-2014	19:00	112	2.77
10-04-2014	20:00	110	2.59
10-04-2014	21:00	108	2.31
10-04-2014	22:00	109	2.88
10-04-2014	23:00	104	3.09
15-04-2014	0:00	109	3.86
15-04-2014	1:00	106	4.43
15-04-2014	2:00	111	4.59
15-04-2014	3:00	113	4.42
15-04-2014	4:00	111	3.79
15-04-2014	5:00	104	3.39

	Meteorological Data for Impact Monitoring in the reporting period					
Date	Time (24hrs)	Average of Wind Direction (degree)	Average of Wind Speed (m/s)			
15-04-2014	6:00	104	3.18			
15-04-2014	7:00	104	3.66			
15-04-2014	8:00	112	4.93			
15-04-2014	9:00	117	5.13			
15-04-2014	10:00	118	3.75			
15-04-2014	11:00	113	3.54			
15-04-2014	12:00	111	3.69			
15-04-2014	13:00	113	3.22			
15-04-2014	14:00	115	2.88			
15-04-2014	15:00	114	2.80			
15-04-2014	16:00	113	2.88			
15-04-2014	17:00	113	3.02			
15-04-2014	18:00	117	3.53			
15-04-2014	19:00	115	3.05			
15-04-2014	20:00	111	3.12			
15-04-2014	21:00	105	3.31			
15-04-2014	22:00	96	2.32			
15-04-2014	23:00	102	2.38			
16-04-2014	0:00	89	2.06			
16-04-2014	1:00	102	3.00			
16-04-2014	2:00	116	3.38			
16-04-2014	3:00	103	3.29			
16-04-2014	4:00	103	2.98			
16-04-2014	5:00	100	2.49			
16-04-2014	6:00	107	1.96			
16-04-2014	7:00	107	2.06			
16-04-2014	8:00	112	2.13			
16-04-2014	9:00	113	2.17			
16-04-2014	10:00	114	2.11			
16-04-2014	11:00	111	2.74			
16-04-2014	12:00	103	2.71			
16-04-2014	13:00	103	3.11			
16-04-2014	14:00	102	3.05			
16-04-2014	15:00	101	2.78			
16-04-2014	16:00	104	2.68			
16-04-2014	17:00	103	2.63			
16-04-2014	18:00	104	2.12			
16-04-2014	19:00	107	2.68			
16-04-2014	20:00	103	2.46			
16-04-2014	21:00	113	2.19			
16-04-2014	22:00	113	2.18			
16-04-2014	23:00	107	1.91			
18-04-2014	0:00	87	1.18			
18-04-2014	1:00	97	0.71			
18-04-2014	2:00	131	0.41			
18-04-2014	3:00	249	0.38			
18-04-2014	4:00	226	0.31			
18-04-2014	5:00	216	0.30			
18-04-2014	6:00	108	0.88			
18-04-2014	7:00	84	1.26			
18-04-2014	8:00	97	1.45			

	Meteorological Data for Impact Monitoring in the reporting period					
Date	Time (24hrs)	Average of Wind Direction (degree)	Average of Wind Speed (m/s)			
18-04-2014	9:00	121	1.26			
18-04-2014	10:00	184	1.12			
18-04-2014	11:00	235	1.48			
18-04-2014	12:00	226	1.25			
18-04-2014	13:00	173	1.27			
18-04-2014	14:00	99	1.89			
18-04-2014	15:00	107	2.09			
18-04-2014	16:00	82	2.47			
18-04-2014	17:00	90	2.30			
18-04-2014	18:00	83	1.96			
18-04-2014	19:00	95	1.74			
18-04-2014	20:00	88	1.55			
18-04-2014	21:00	81	1.59			
18-04-2014	22:00	93	1.34			
18-04-2014	23:00	85	1.22			
19-04-2014	0:00	88	1.38			
19-04-2014	1:00	130	0.56			
19-04-2014	2:00	127	0.64			
19-04-2014	3:00	114	0.59			
19-04-2014	4:00	99	0.89			
19-04-2014	5:00	92	1.13			
19-04-2014	6:00	83	1.31			
19-04-2014	7:00	95	1.27			
19-04-2014	8:00	86	1.59			
19-04-2014	9:00	99	1.69			
19-04-2014	10:00	112	1.96			
19-04-2014	11:00	116	2.04			
19-04-2014	12:00	128	1.65			
19-04-2014	13:00	158	0.84			
19-04-2014	14:00	173	0.71			
19-04-2014	15:00	153	0.92			
19-04-2014	16:00	110	1.71			
19-04-2014	17:00	82	2.00			
19-04-2014	18:00	83	2.18			
19-04-2014	19:00	82	2.10			
19-04-2014	20:00	88	1.89			
19-04-2014	21:00	84	1.92			
19-04-2014	22:00	91	1.56			
19-04-2014	23:00	100	1.09			
24-04-2014	0:00	96	3.72			
24-04-2014	1:00	99	3.54			
24-04-2014	2:00	99	3.45			
24-04-2014	3:00	102	3.78			
24-04-2014	4:00	102	4.65			
24-04-2014	5:00	104	4.25			
24-04-2014	6:00	104	3.84			
24-04-2014	7:00	106	3.56			
24-04-2014	8:00	105	3.62			
24-04-2014	9:00	104	4.31			
24-04-2014	10:00	104	3.41			
24-04-2014	11:00	105	3.35			

Meteorological Data for Impact Monitoring in the reporting period					
Date	Time (24hrs)	Average of Wind Direction (degree)	Average of Wind Speed (m/s)		
24-04-2014	12:00	104	3.10		
24-04-2014	13:00	111	3.25		
24-04-2014	14:00	117	3.47		
24-04-2014	15:00	112	3.27		
24-04-2014	16:00	105	3.28		
24-04-2014	17:00	105	3.46		
24-04-2014	18:00	103	3.22		
24-04-2014	19:00	102	3.21		
24-04-2014	20:00	103	4.18		
24-04-2014	21:00	104	3.56		
24-04-2014	22:00	114	4.28		
24-04-2014	23:00	101	4.55		
25-04-2014	0:00	100	3.82		
25-04-2014	1:00	98	3.08		
25-04-2014	2:00	99	3.18		
25-04-2014	3:00	99	3.64		
25-04-2014	4:00	99	3.24		
25-04-2014	5:00	100	2.93		
25-04-2014	6:00	101	2.95		
25-04-2014	7:00	100	2.60		
25-04-2014	8:00	108	2.89		
25-04-2014	9:00	100	4.19		
25-04-2014	10:00	101	3.52		
25-04-2014	11:00	103	2.92		
25-04-2014	12:00	104	3.07		
25-04-2014	13:00	100	2.67		
25-04-2014	14:00	113	2.77		
25-04-2014	15:00	102	2.56		
25-04-2014	16:00	103	2.51		
25-04-2014	17:00	108	2.42		
25-04-2014	18:00	108	2.16		
25-04-2014	19:00	109	2.06		
25-04-2014	20:00	108	1.90		
25-04-2014	21:00	104	2.05		
25-04-2014	22:00	107	2.29		
25-04-2014	23:00	108	2.55		
30-04-2014	0:00	115	2.06		
30-04-2014	1:00	213	0.50		
30-04-2014	2:00	150	0.92		
30-04-2014	3:00	196	0.62		
30-04-2014	4:00	128	1.19		
30-04-2014	5:00	179	0.84		
30-04-2014	6:00	110	0.86		
30-04-2014	7:00	96	1.31		
30-04-2014	8:00	101	1.54		
30-04-2014	9:00	123	1.64		
30-04-2014	10:00	104	1.33		
30-04-2014	11:00	154	0.79		
	12:00	158	0.79		
30-04-2014	13:00	156	0.83		
30-04-2014	13.00	170	U.0J		

Meteorological Data for Impact Monitoring in the reporting period					
Date	Time (24hrs)	Average of Wind Direction (degree)	Average of Wind Speed (m/s)		
30-04-2014	15:00	180	0.83		
30-04-2014	16:00	286	1.47		
30-04-2014	17:00	129	1.27		
30-04-2014	18:00	147	1.00		
30-04-2014	19:00	161	0.87		
30-04-2014	20:00	252	0.65		
30-04-2014	21:00	273	0.86		
30-04-2014	22:00	209	0.43		
30-04-2014	23:00	139	0.67		
01-05-2014	0:00	110	1.01		
01-05-2014	1:00	99	1.36		
01-05-2014	2:00	110	1.23		
01-05-2014	3:00	108	1.24		
01-05-2014	4:00	108	1.17		
01-05-2014	5:00	123	0.97		
01-05-2014	6:00	157	1.05		
01-05-2014	7:00	134	1.63		
01-05-2014	8:00	124	1.27		
01-05-2014	9:00	126	1.21		
01-05-2014	10:00	119	1.22		
01-05-2014	11:00	122	1.45		
01-05-2014	12:00	120	1.87		
01-05-2014	13:00	163	0.78		
01-05-2014	14:00	121	1.32		
01-05-2014	15:00	119	1.61		
01-05-2014	16:00	120	2.13		
01-05-2014	17:00	121	1.86		
01-05-2014	18:00	111	2.06		
01-05-2014	19:00	102	2.28		
01-05-2014	20:00	100	2.30		
01-05-2014	21:00	97	2.13		
01-05-2014	22:00	99	2.53		
01-05-2014	23:00	100	3.37		

## Appendix I

## Impact Water Quality Monitoring Results

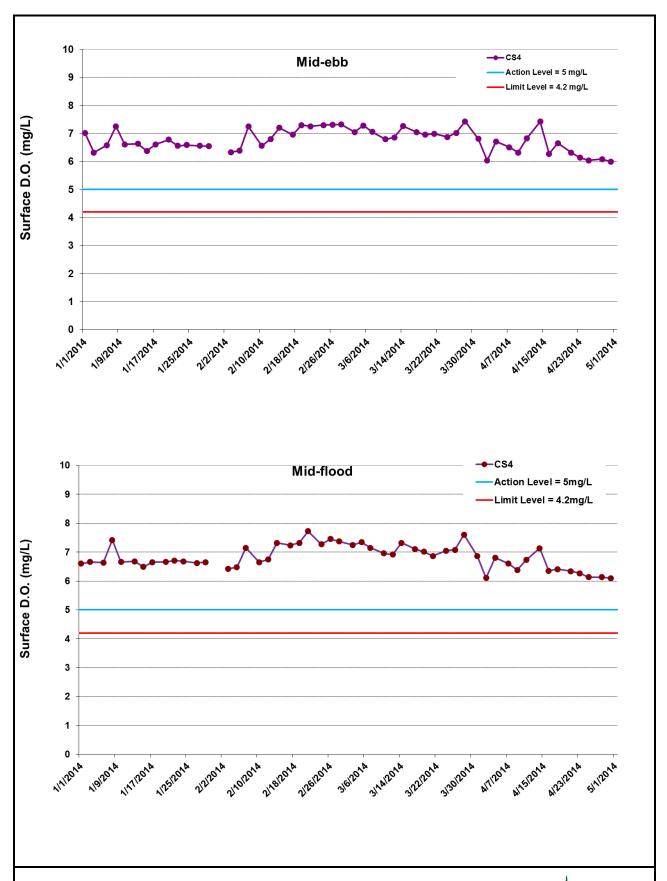


Figure I1 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters between 1 January 2014 and 30 April 2014 at CS4. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



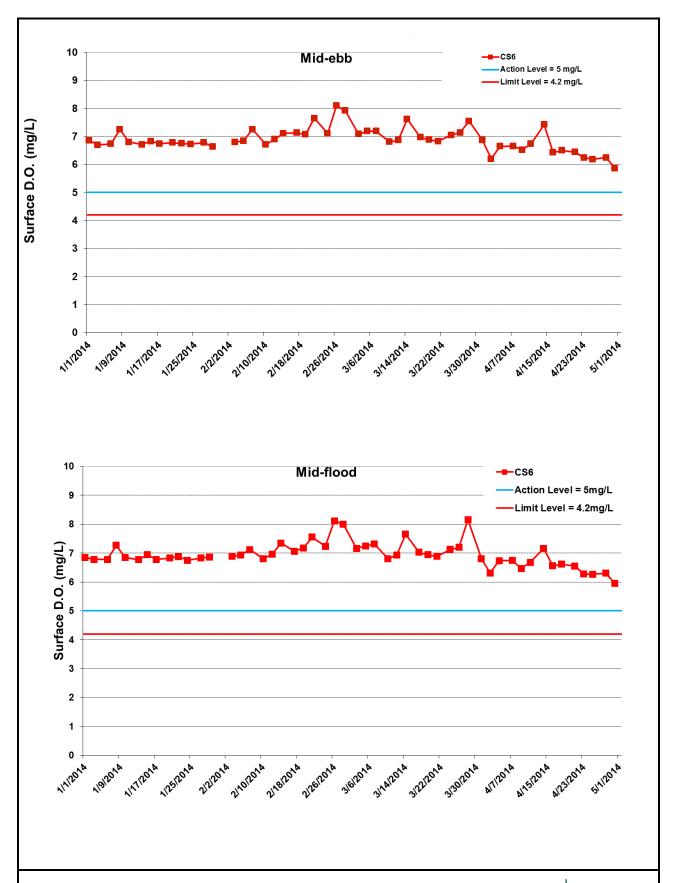


Figure I2 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters between 1 January 2014 and 30 April 2014 at CS6. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



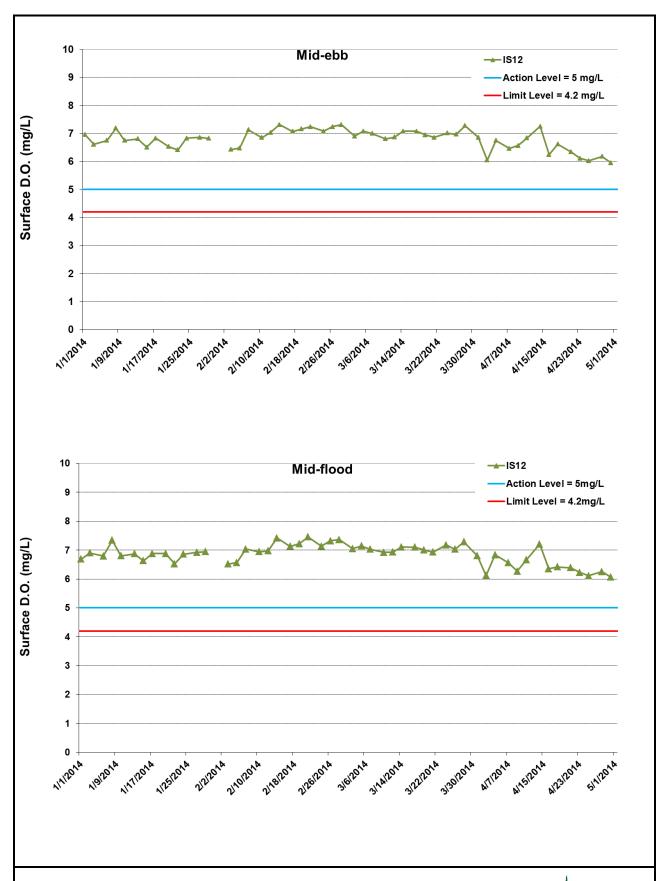


Figure I3 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters between 1 January 2014 and 30 April 2014 at IS12. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



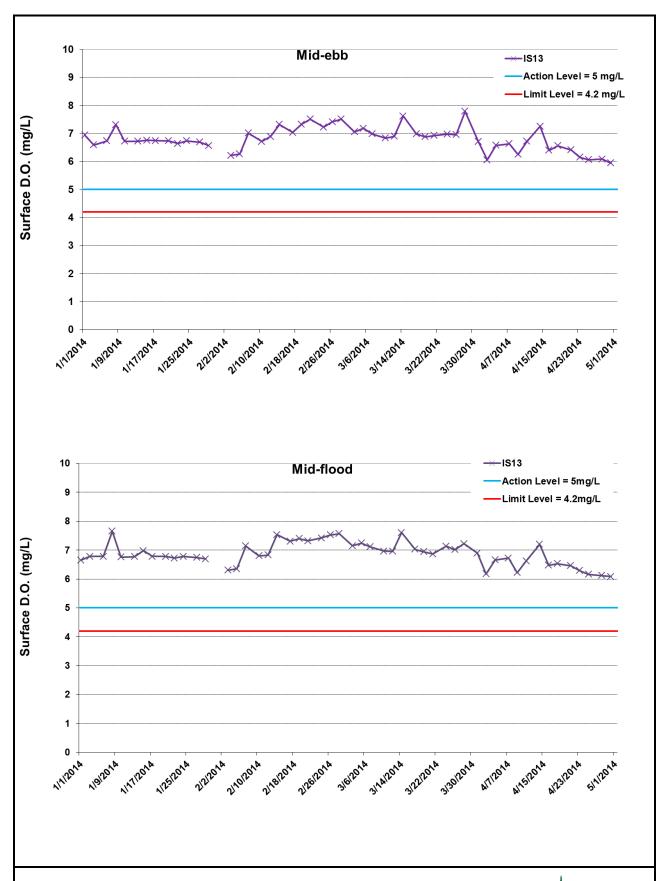


Figure I4 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters between 1 January 2014 and 30 April 2014 at IS13. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



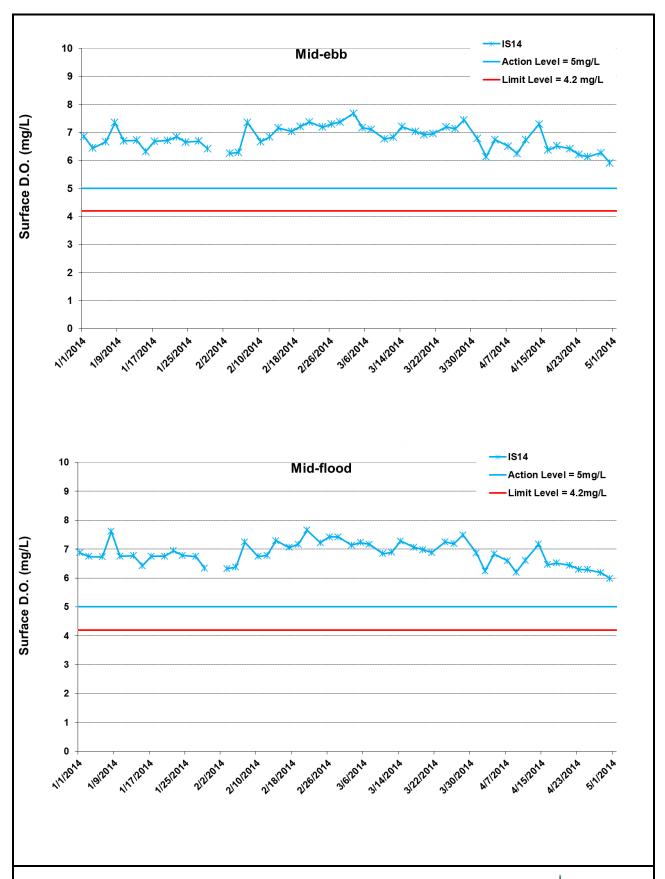


Figure I5 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters between 1 January 2014 and 30 April 2014 at IS14. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



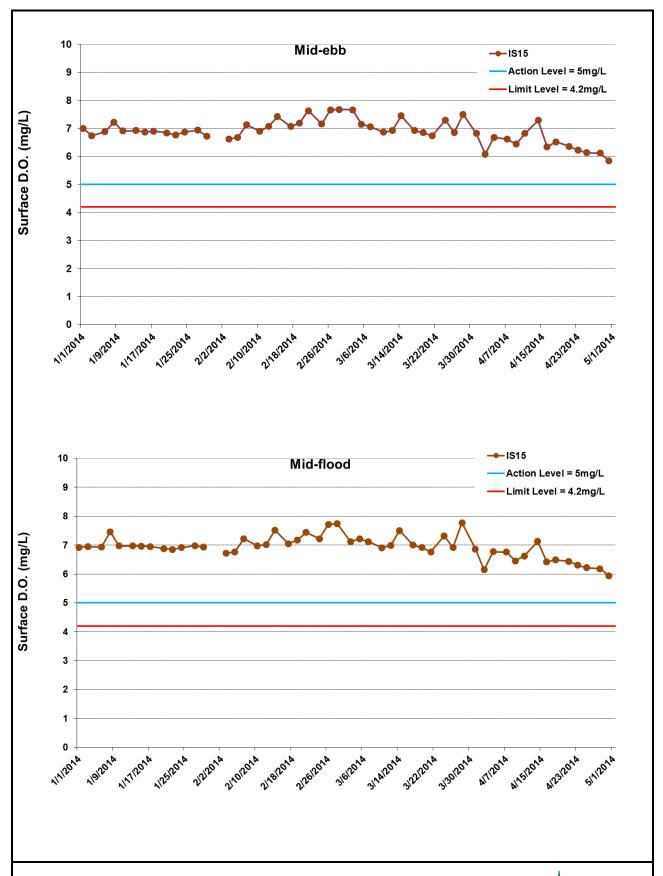


Figure I6 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters between 1 January 2014 and 30 April 2014 at IS15. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



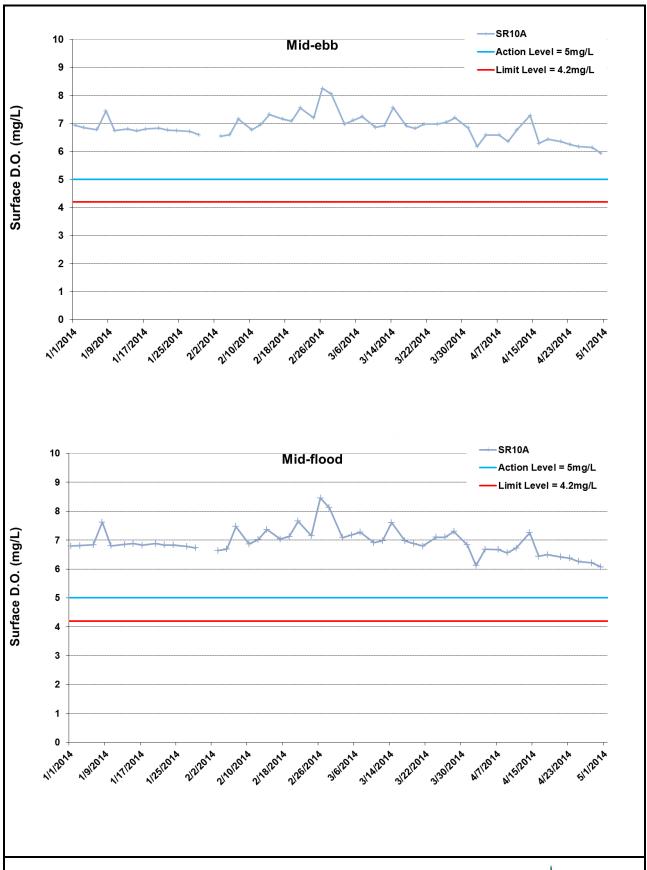


Figure I7 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters between 1 January 2014 and 30 April 2014 at SR10A. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



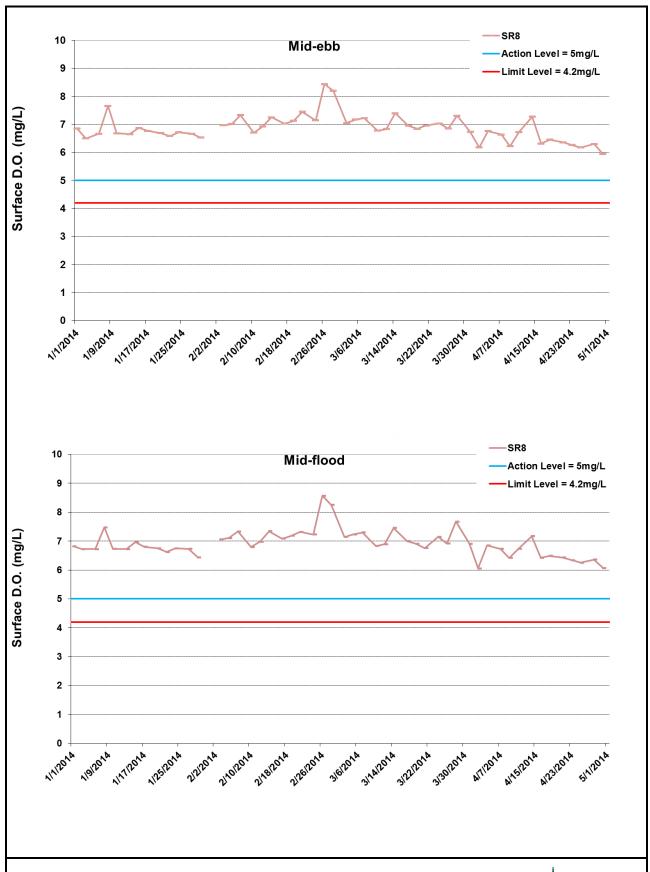


Figure I8 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters between 1 January 2014 and 30 April 2014 at SR8. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



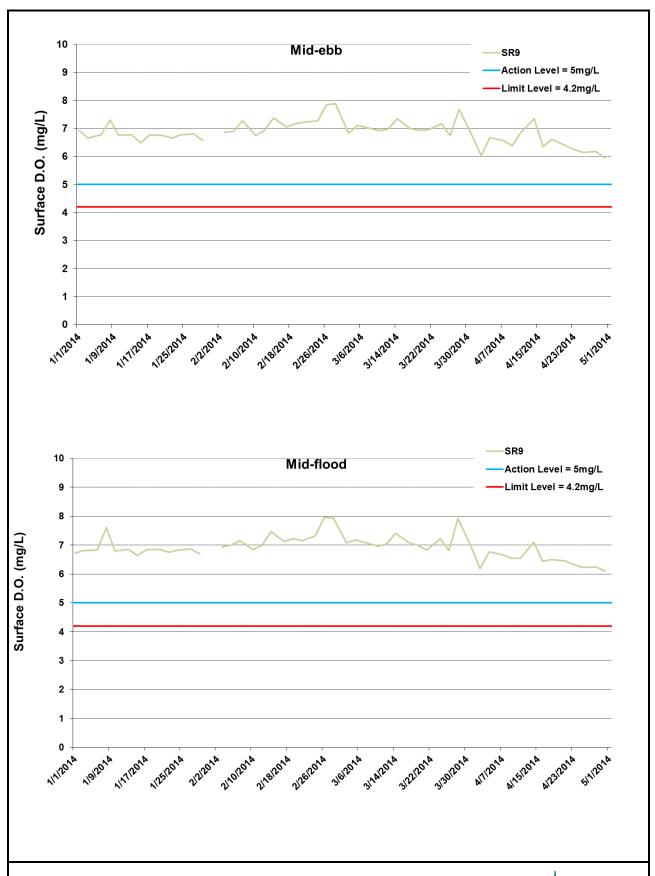


Figure I9 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in surface waters between 1 January 2014 and 30 April 2014 at SR9. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



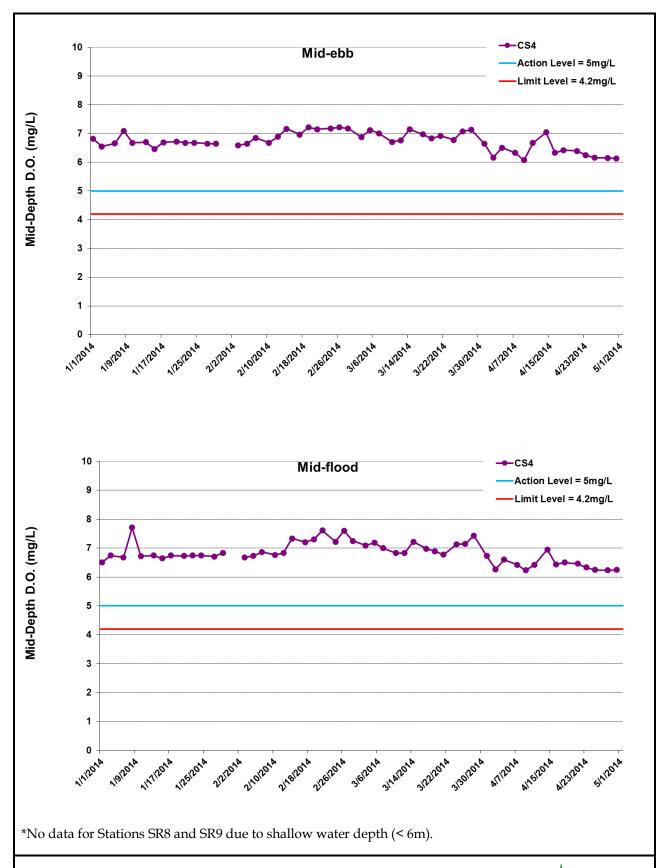


Figure I10 Impact Monitoring - Mean Level of Dissolved Oxygen (mg/L) in middepth waters between 1 January 2014 and 30 April 2014 at the CS4. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 - 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 - 4/30/2014); Sheet Piling (1/1/2014 - 4/30/2014); Filling (3/23/2014 - 4/30/2014).



 $Ref: \hspace{0.5cm} 0212330\_Impact-WQM\_April2014\_graphs\_Rev \ a.xls$ 



Figure I11 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in middepth waters between 1 January 2014 and 30 April 2014 at CS6. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



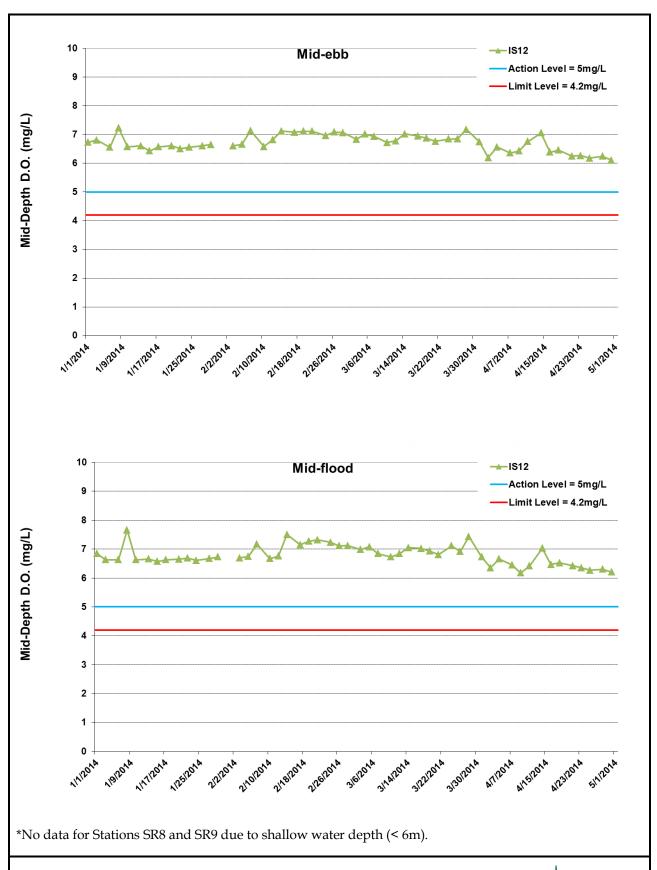


Figure I12 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in middepth waters between 1 January 2014 and 30 April 2014 at IS12. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



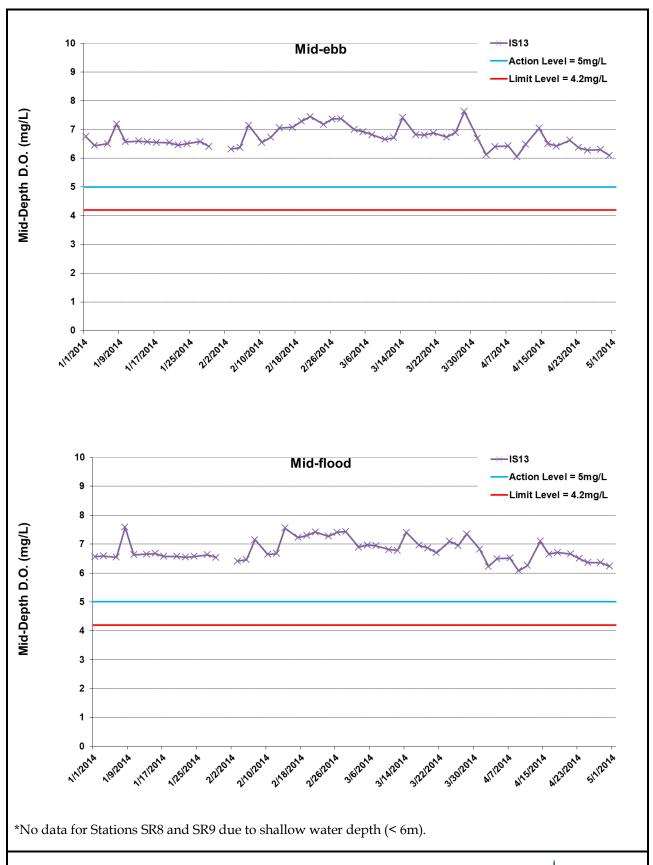


Figure I13 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in middepth waters between 1 January 2014 and 30 April 2014 at IS13. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



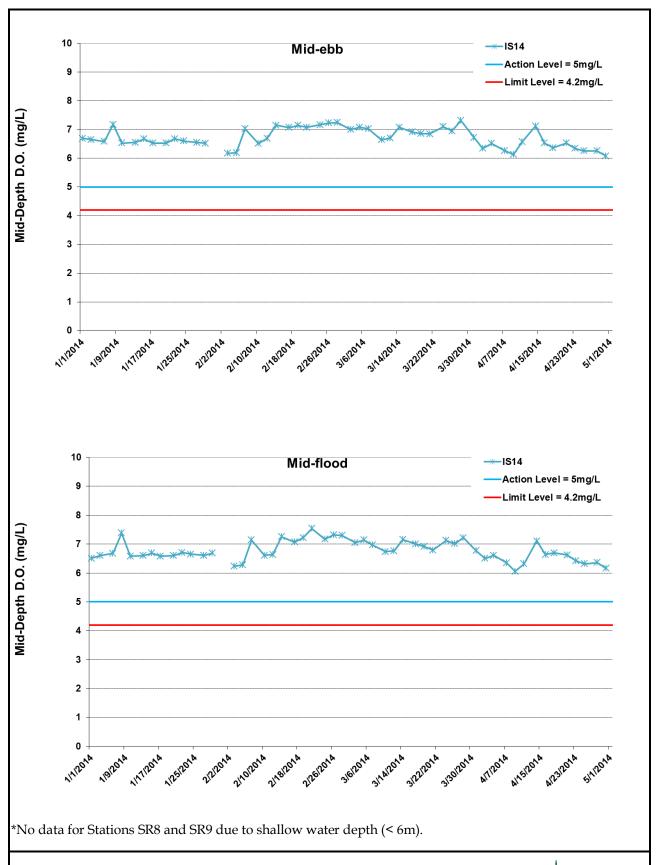


Figure I14 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in middepth waters between 1 January 2014 and 30 April 2014 at IS14. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



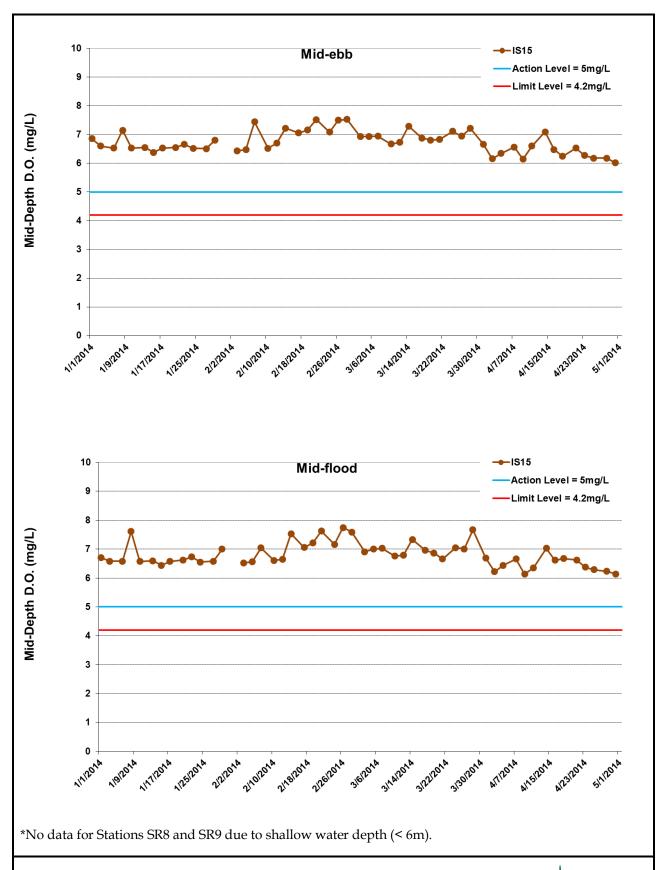


Figure I15 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in middepth waters between 1 January 2014 and 30 April 2014 at IS15. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



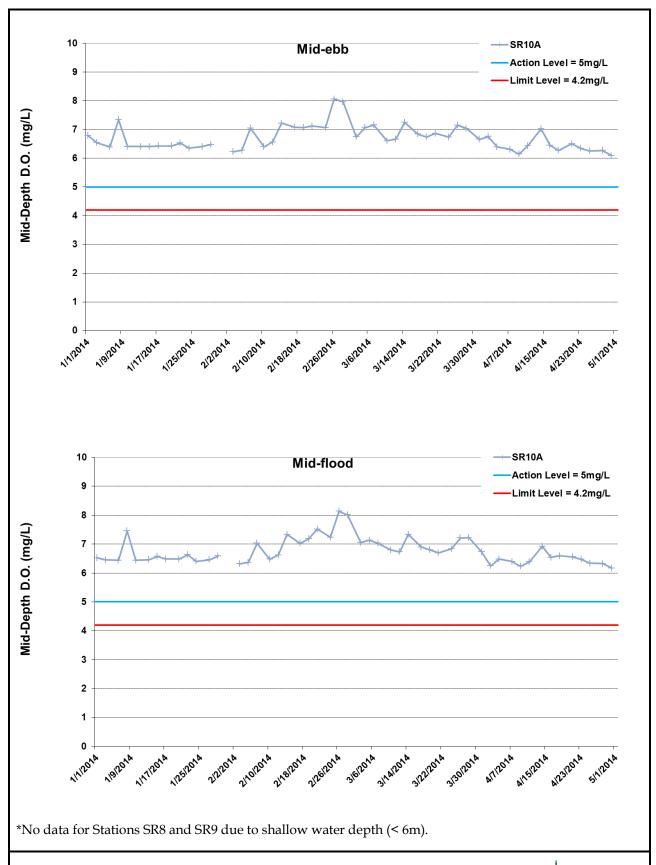


Figure I16 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in middepth waters between 1 January 2014 and 30 April 2014 at SR10A. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



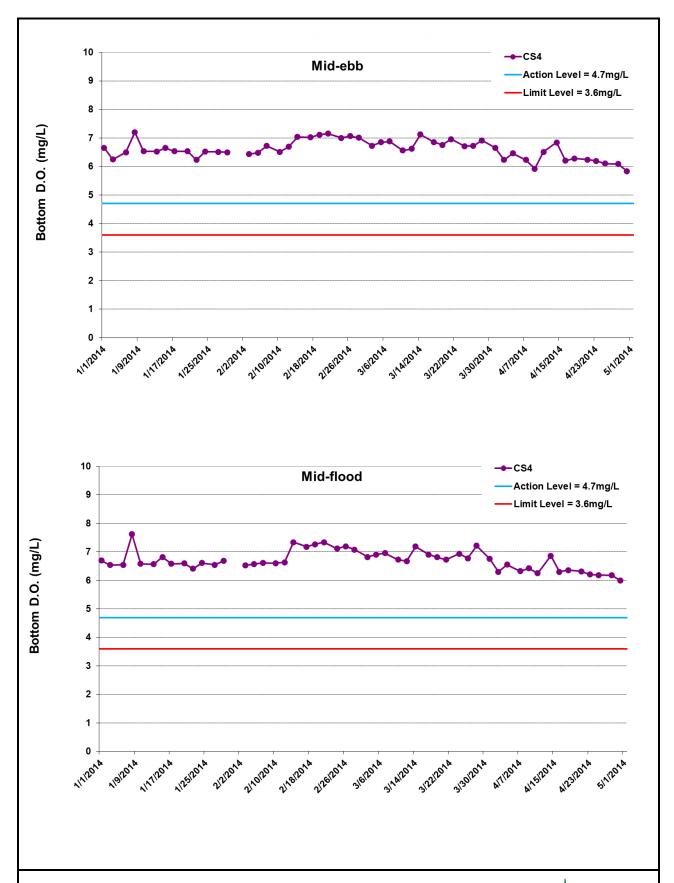


Figure I17 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 January 2014 and 30 April 2014 at CS4. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



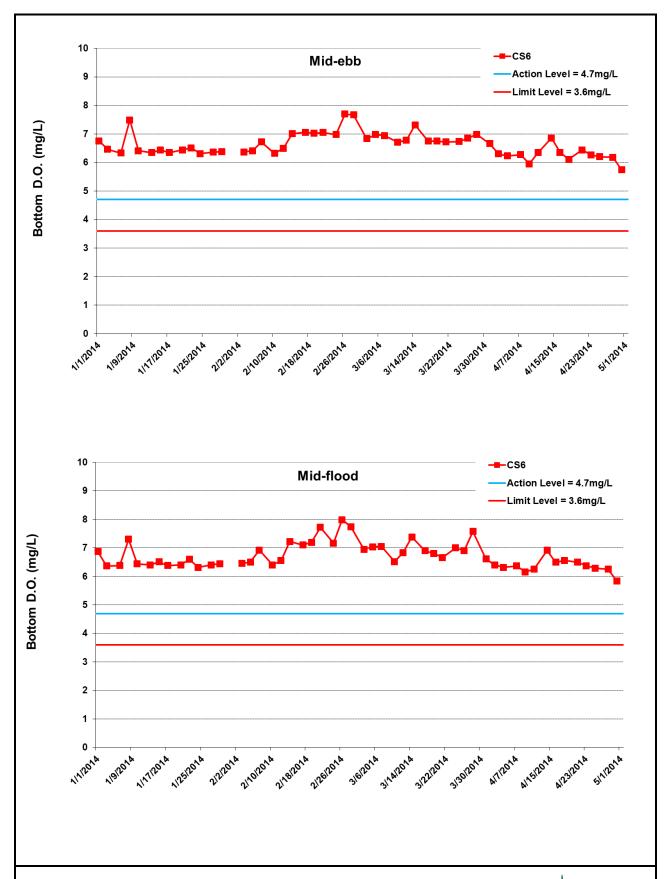


Figure I18 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 January 2014 and 30 April 2014 at CS6. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



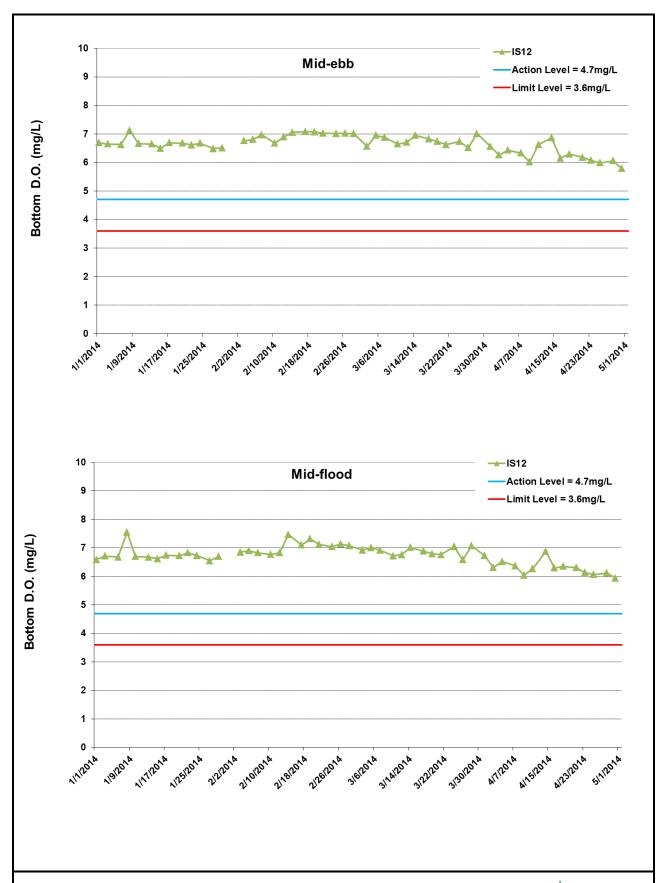


Figure I19 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 January 2014 and 30 April 2014 at IS12. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



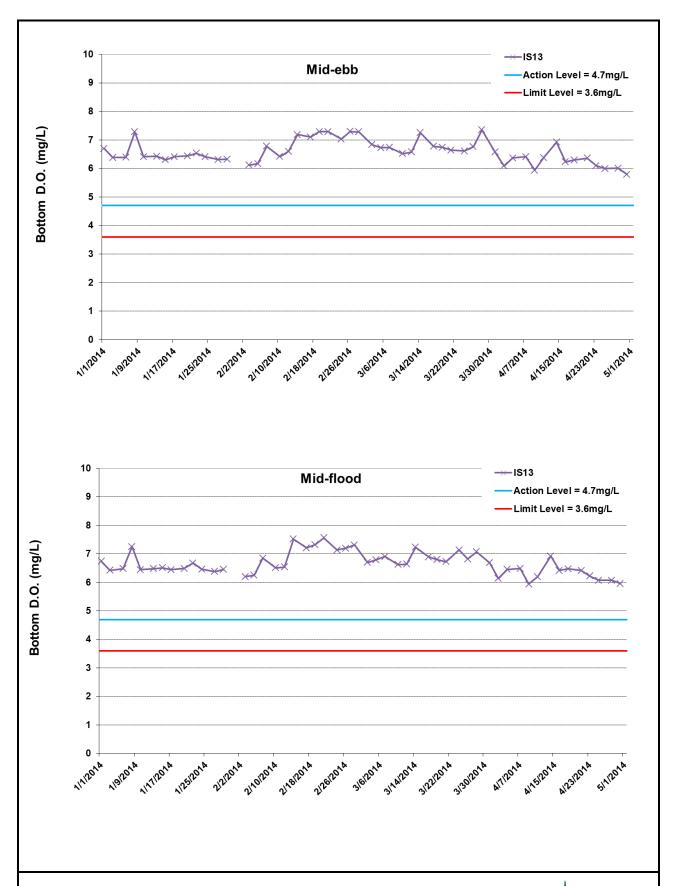


Figure I20 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 January 2014 and 30 April 2014 at IS13. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



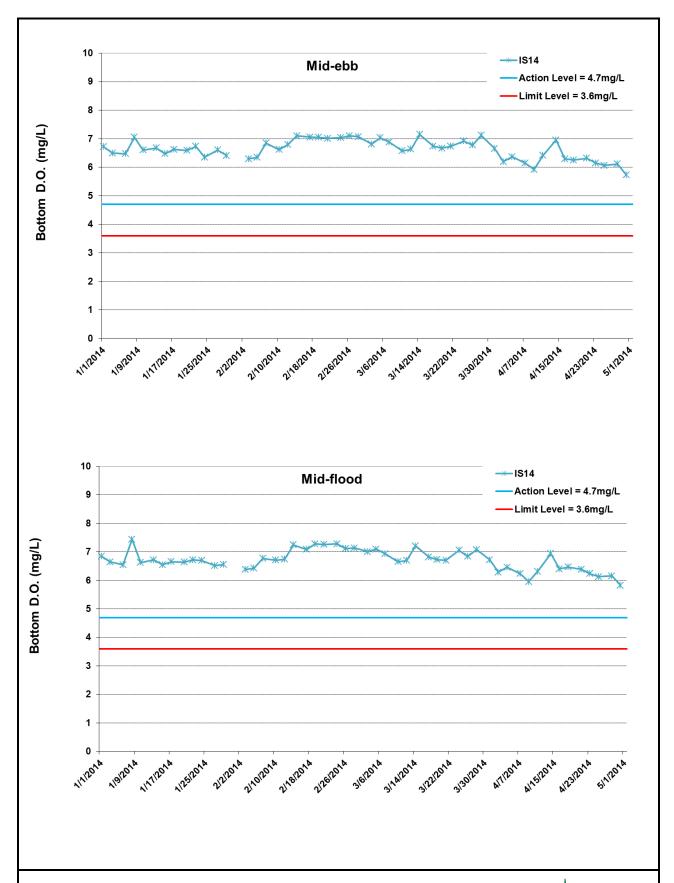


Figure I21 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 January 2014 and 30 April 2014 at IS14. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



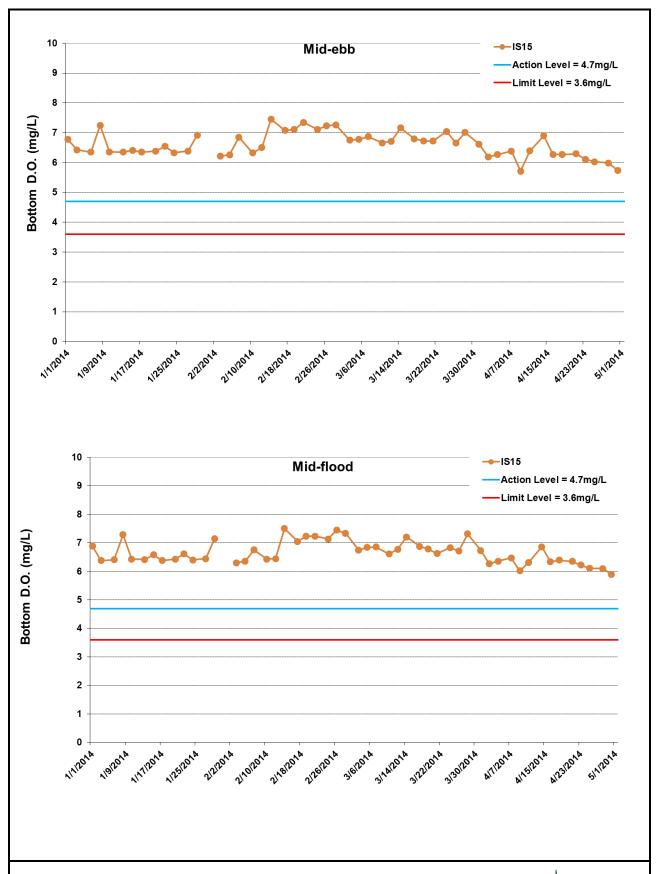


Figure I22 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 January 2014 and 30 April 2014 at IS15. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



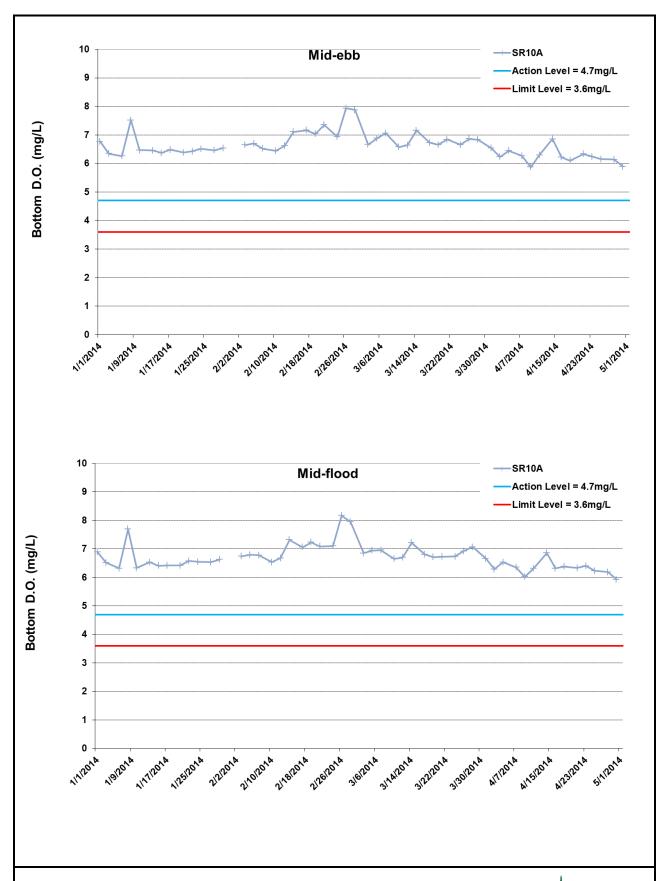


Figure I23 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 January 2014 and 30 April 2014 at SR10A. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



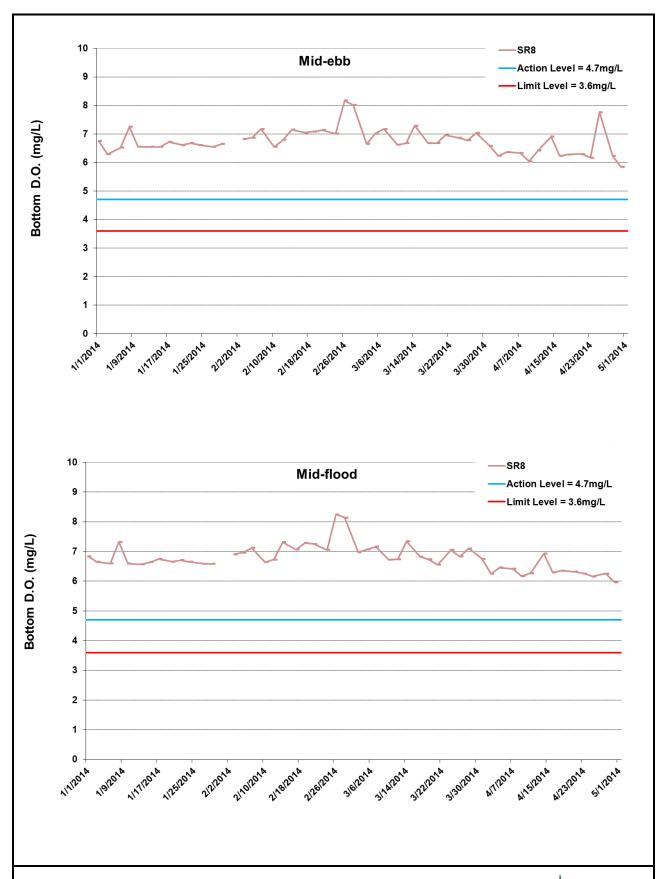


Figure I24 Impact Monitoring - Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 January 2014 and 30 April 2014 at SR8. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 - 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 - 4/30/2014); Sheet Piling (1/1/2014 - 4/30/2014); Filling (3/23/2014 - 4/30/2014).



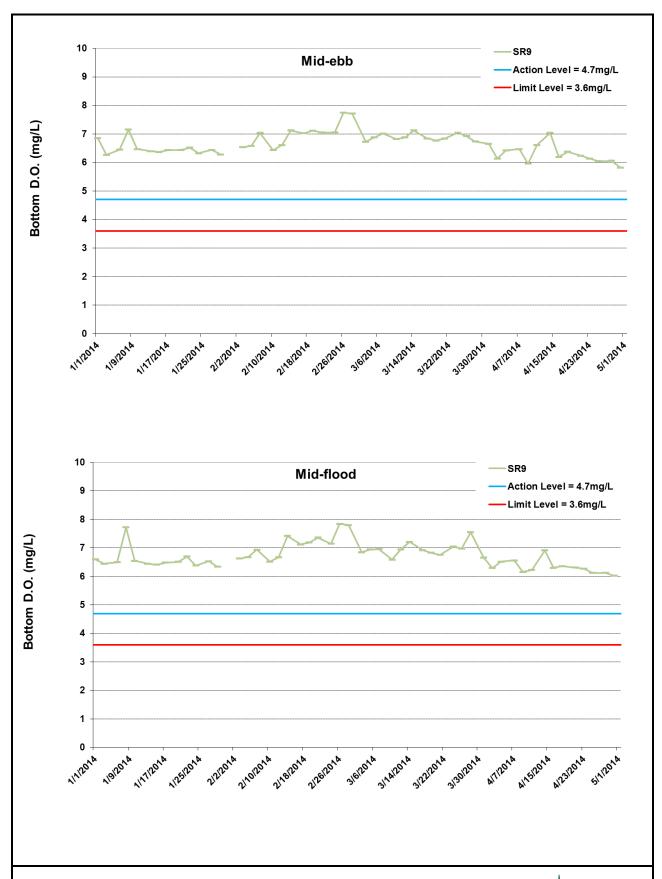


Figure I25 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 January 2014 and 30 April 2014 at SR9. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



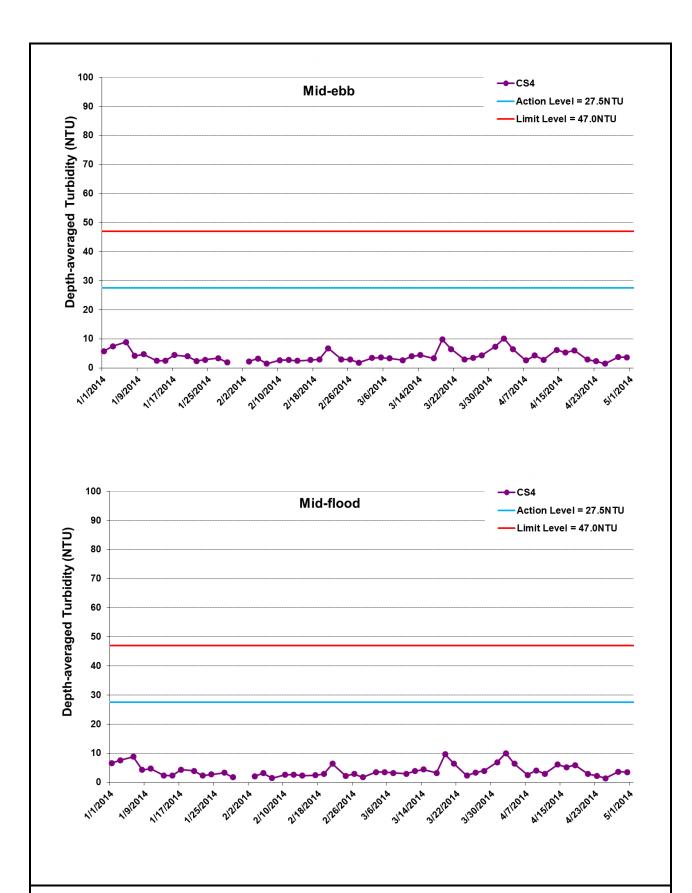


Figure I26 Impact Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 January 2014 and 30 April 2014 at CS4. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



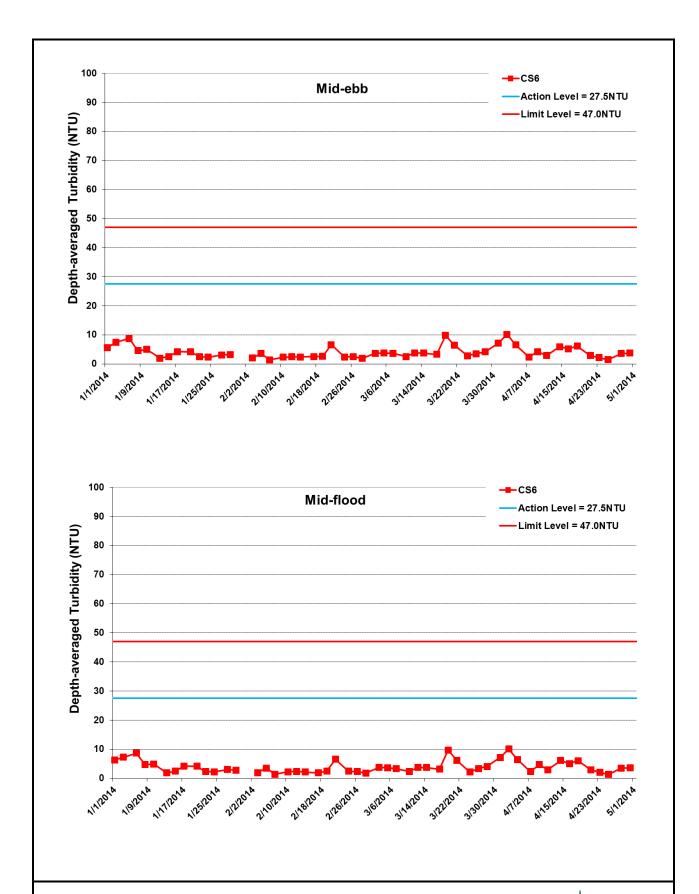


Figure I27 Impact Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 January 2014 and 30 April 2014 at CS6. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



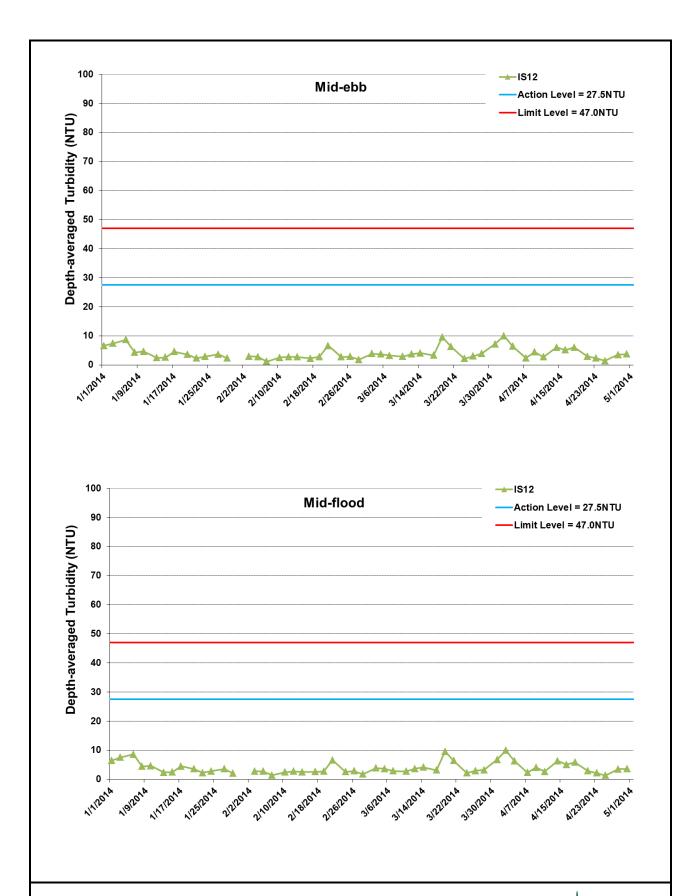


Figure I28 Impact Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 January 2014 and 30 April 2014 at IS12. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



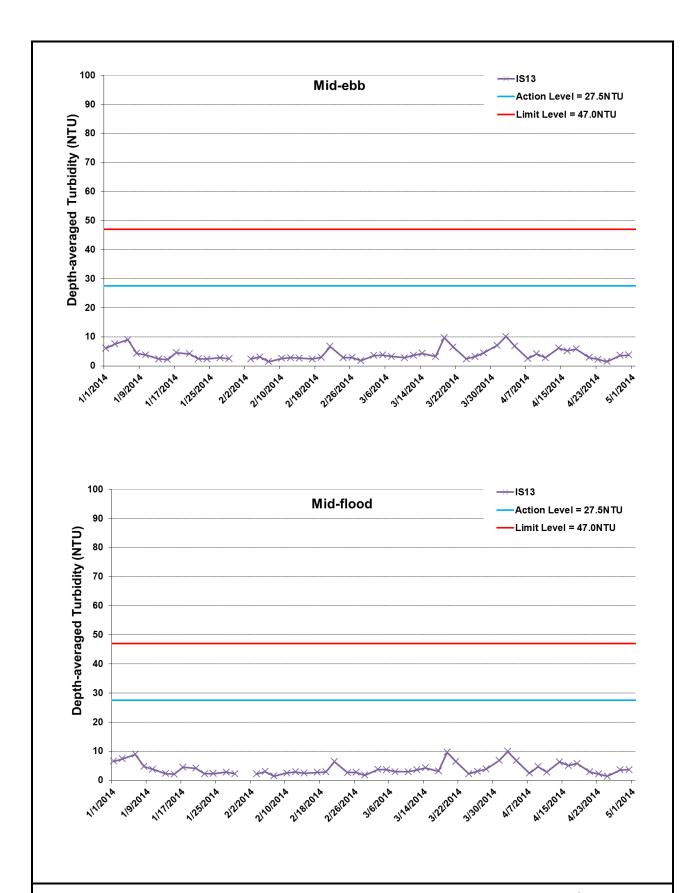


Figure I29 Impact Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 January 2014 and 30 April 2014 at IS13. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



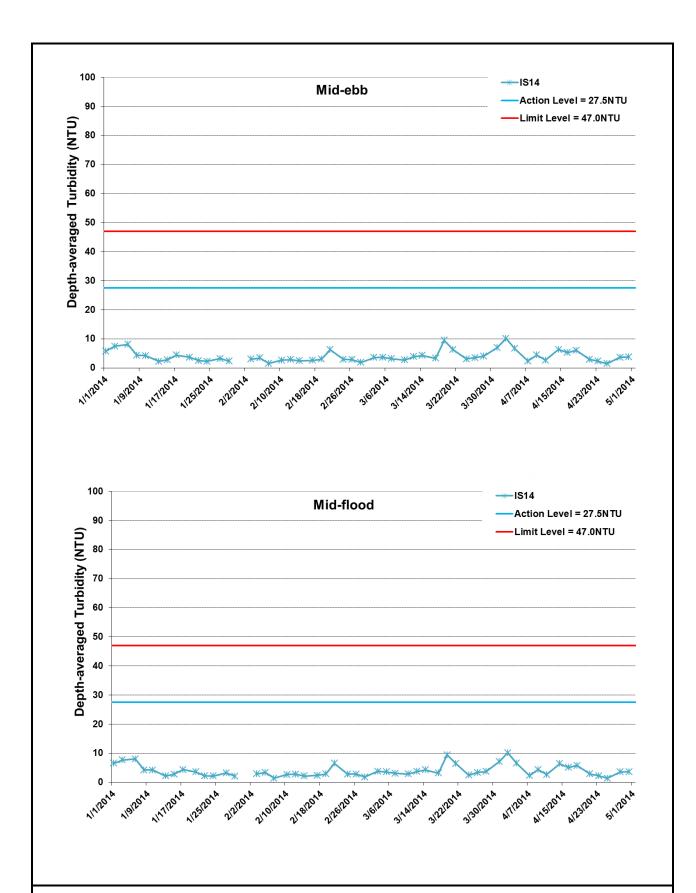


Figure I30 Impact Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 January 2014 and 30 April 2014 at IS14. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



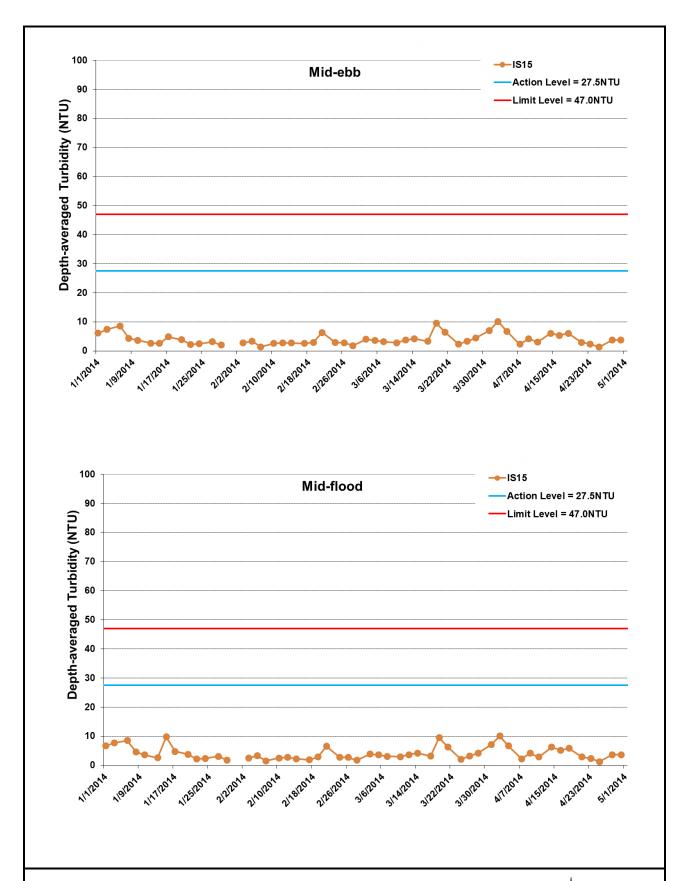


Figure I31 Impact Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 January 2014 and 30 April 2014 at IS15. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



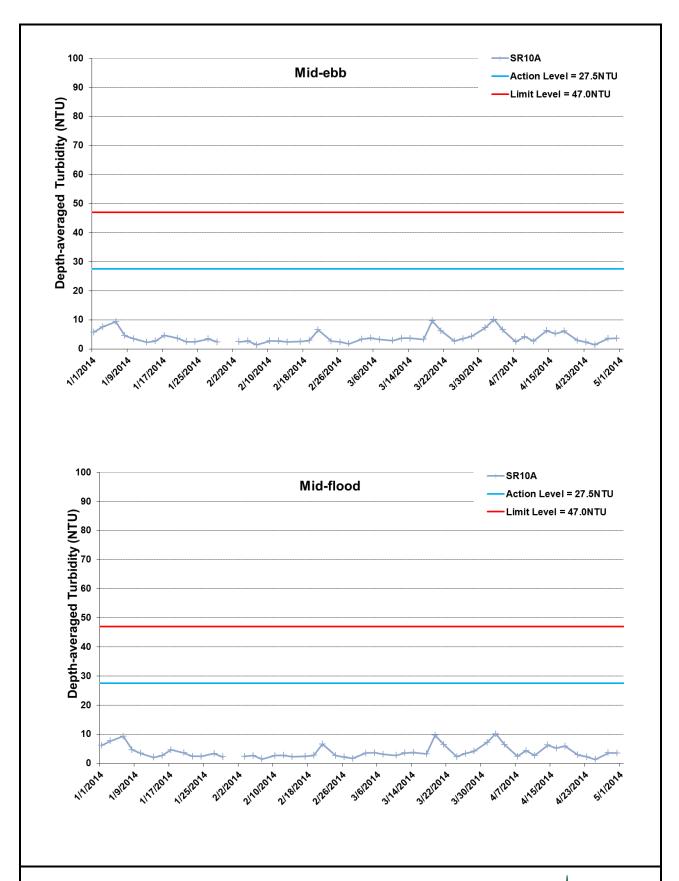


Figure I32 Impact Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 January 2014 and 30 April 2014 at SR10A. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



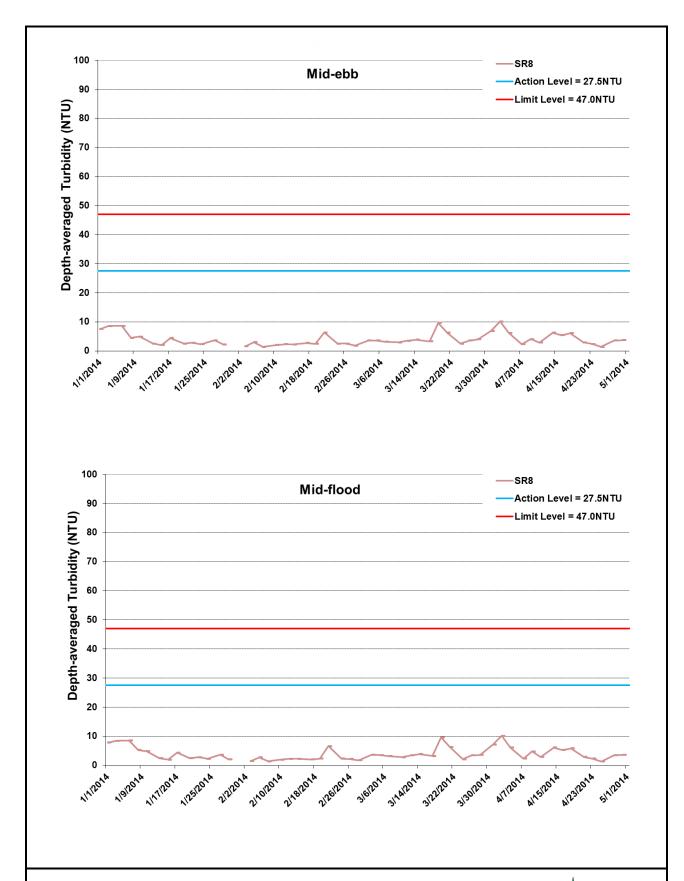


Figure I33 Impact Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 January 2014 and 30 April 2014 at SR8. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



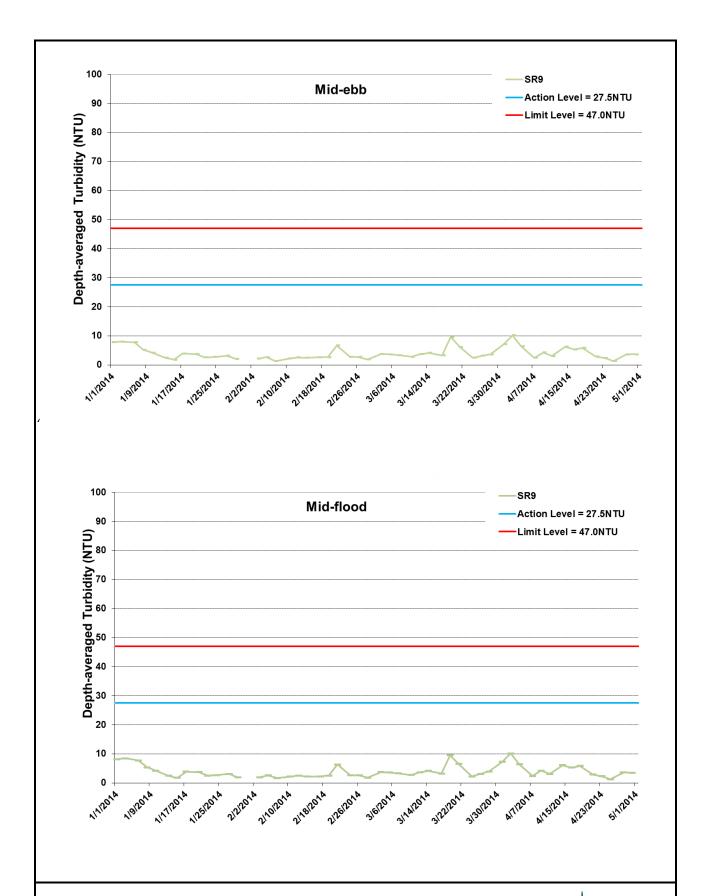


Figure I34 Impact Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 January 2014 and 30 April 2014 at SR9. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 – 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 – 4/30/2014); Sheet Piling (1/1/2014 – 4/30/2014); Filling (3/23/2014 – 4/30/2014).



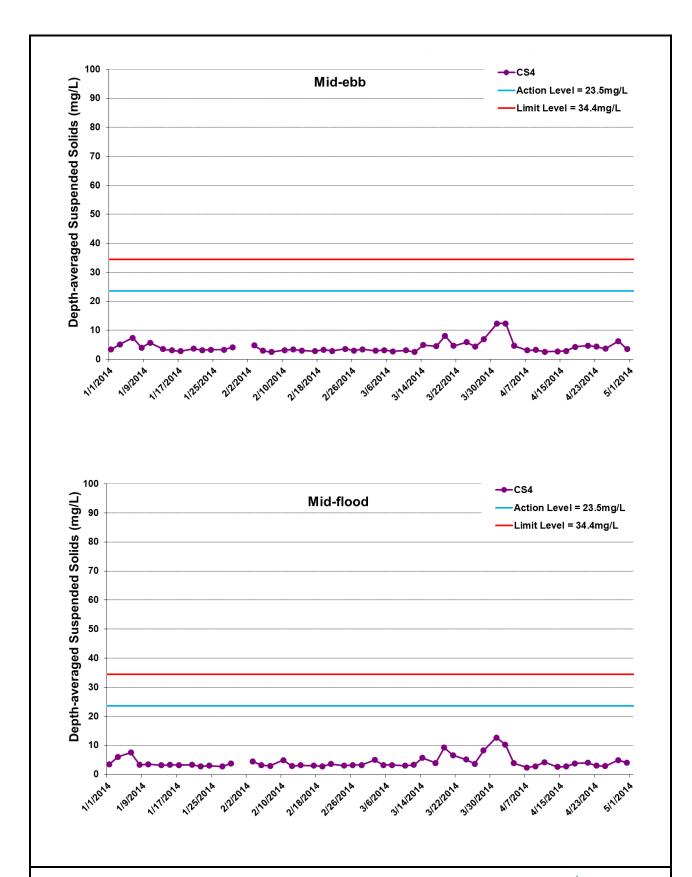


Figure I35 Impact Monitoring - Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 January 2014 and 30 April 2014 at CS4. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 - 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 - 4/30/2014); Sheet Piling (1/1/2014 - 4/30/2014); Filling (3/23/2014 - 4/30/2014).



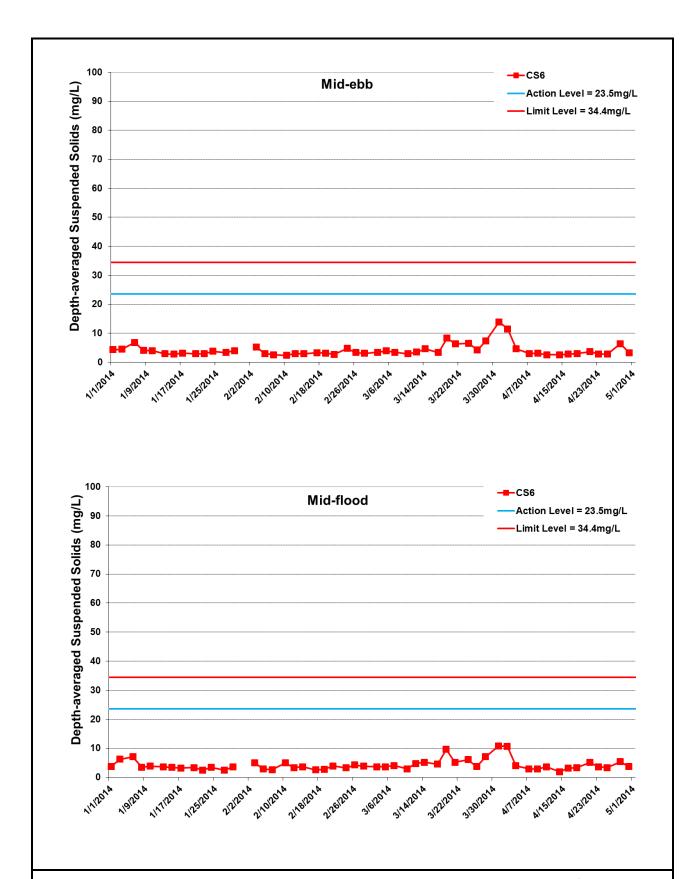
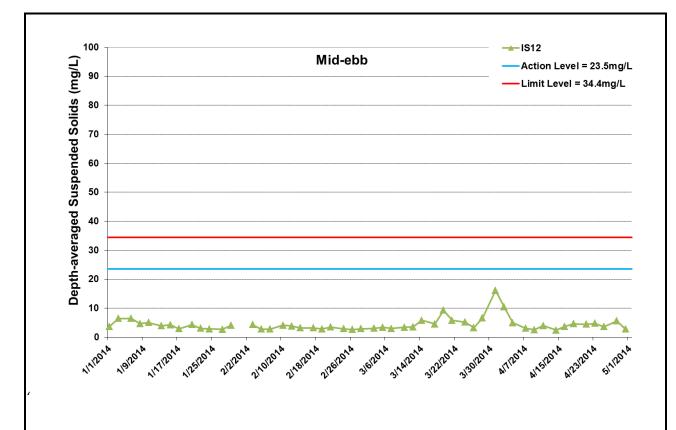


Figure I36 Impact Monitoring - Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 January 2014 and 30 April 2014 at CS6. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 - 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 - 4/30/2014); Sheet Piling (1/1/2014 - 4/30/2014); Filling (3/23/2014 - 4/30/2014).





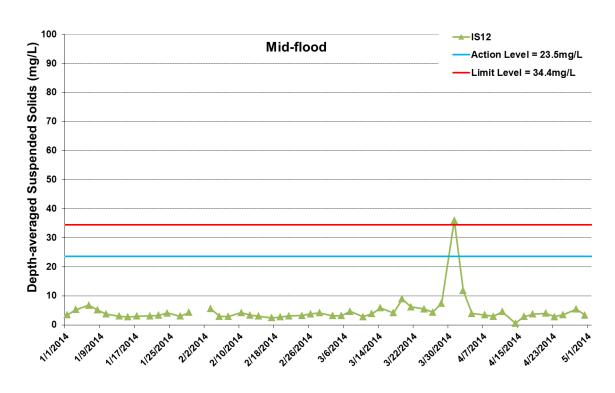


Figure I37 Impact Monitoring - Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 January 2014 and 30 April 2014 at IS12. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 - 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 - 4/30/2014); Sheet Piling (1/1/2014 - 4/30/2014); Filling (3/23/2014 - 4/30/2014).



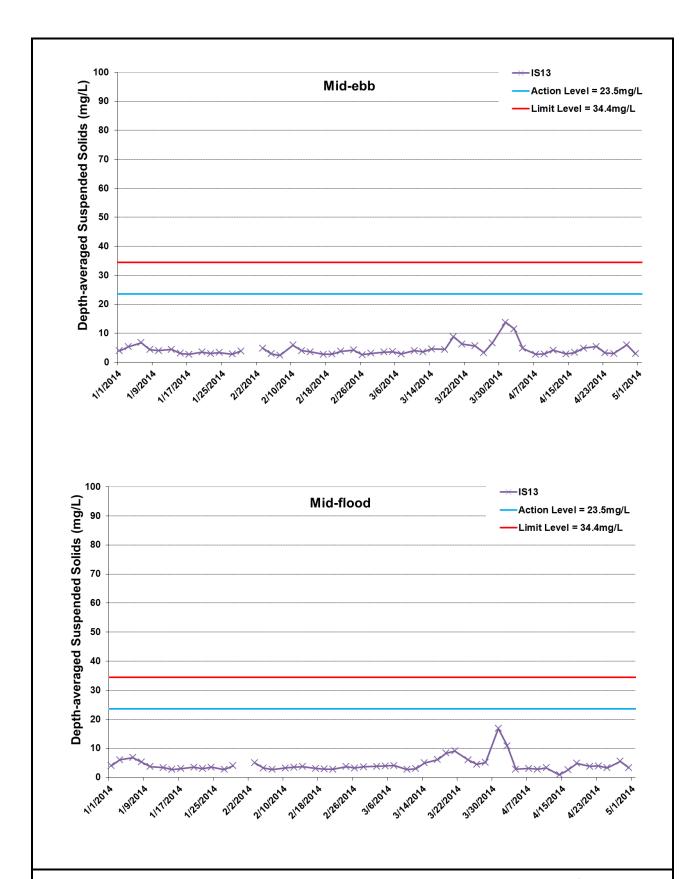


Figure I38 Impact Monitoring - Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 January 2014 and 30 April 2014 at IS13. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 - 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 - 4/30/2014); Sheet Piling (1/1/2014 - 4/30/2014); Filling (3/23/2014 - 4/30/2014).



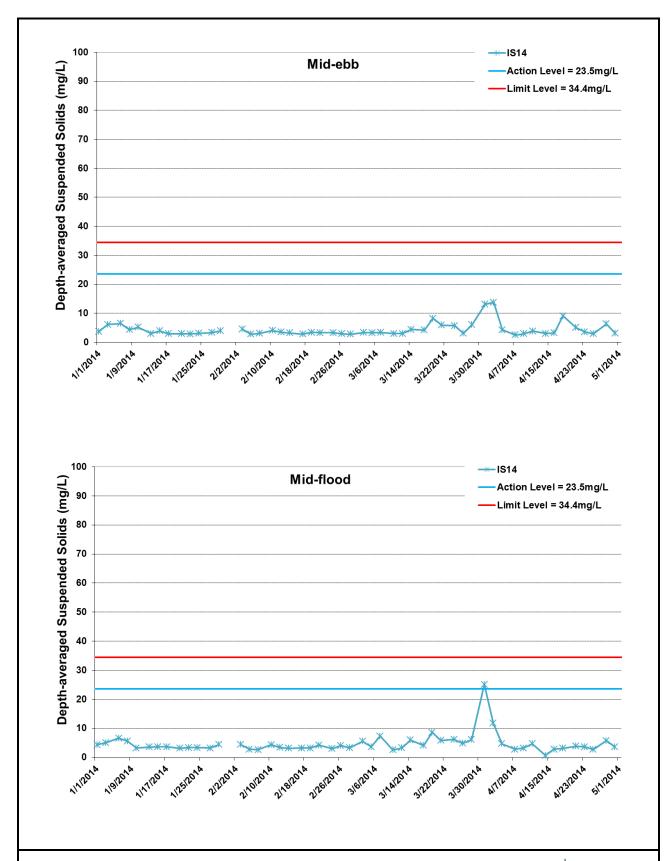


Figure I39 Impact Monitoring - Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 January 2014 and 30 April 2014 at IS14. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 - 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 - 4/30/2014); Sheet Piling (1/1/2014 - 4/30/2014); Filling (3/23/2014 - 4/30/2014).



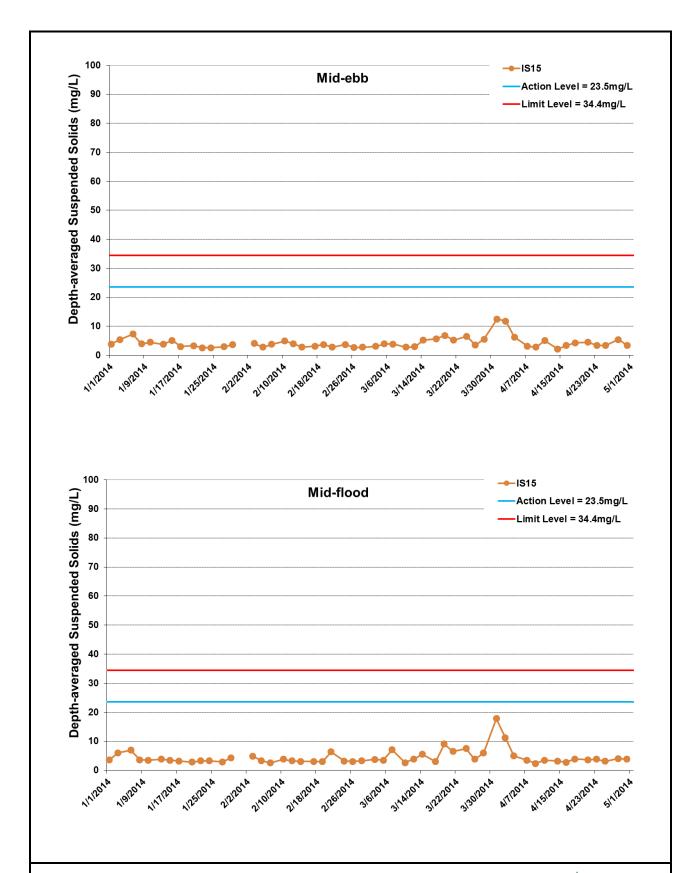


Figure I40 Impact Monitoring - Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 January 2014 and 30 April 2014 at IS15. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 - 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 - 4/30/2014); Sheet Piling (1/1/2014 - 4/30/2014); Filling (3/23/2014 - 4/30/2014).



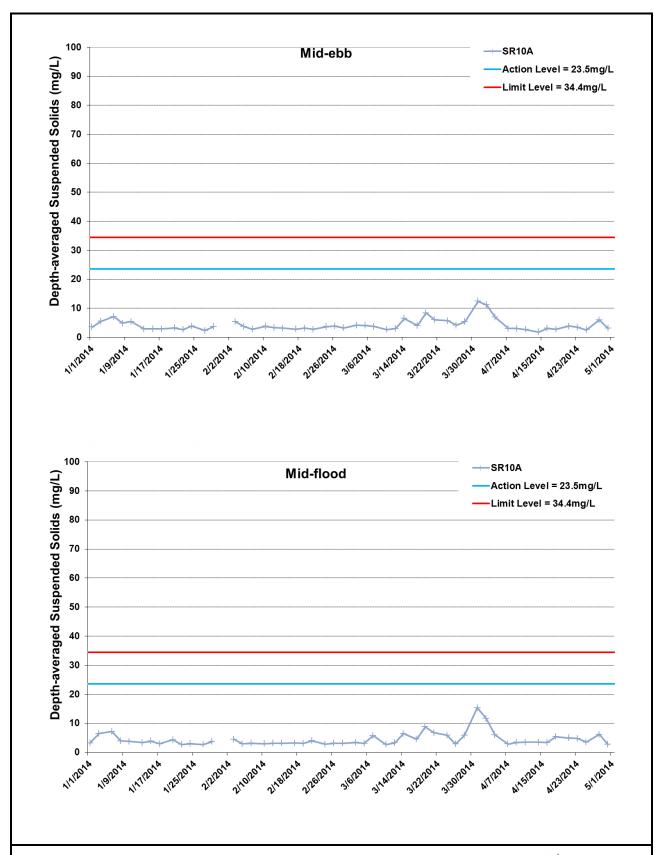


Figure I41 Impact Monitoring - Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 January 2014 and 30 April 2014 at SR10A. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 - 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 - 4/30/2014); Sheet Piling (1/1/2014 - 4/30/2014); Filling (3/23/2014 - 4/30/2014).



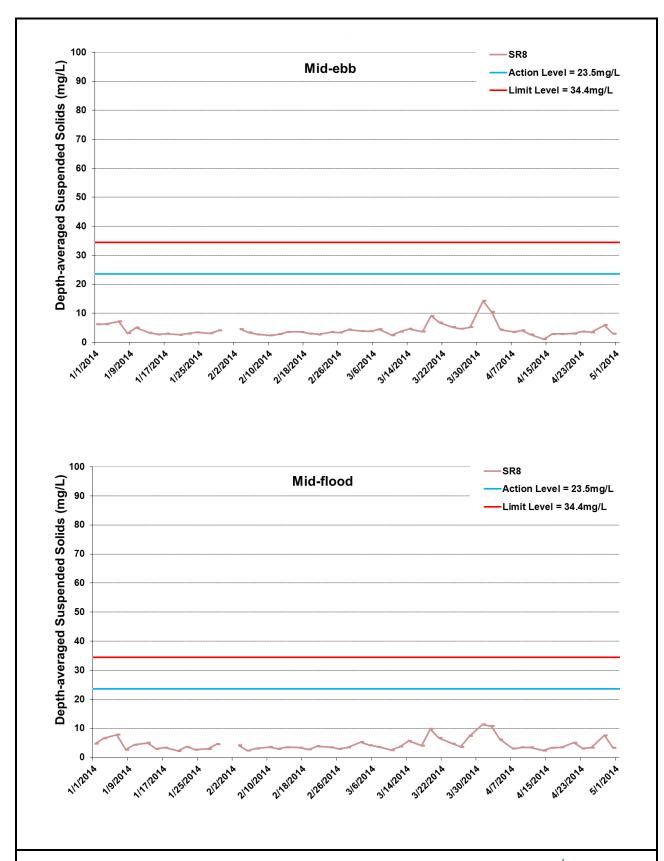


Figure I42 Impact Monitoring - Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 January 2014 and 30 April 2014 at SR8. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 - 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 - 4/30/2014); Sheet Piling (1/1/2014 - 4/30/2014); Filling (3/23/2014 - 4/30/2014).



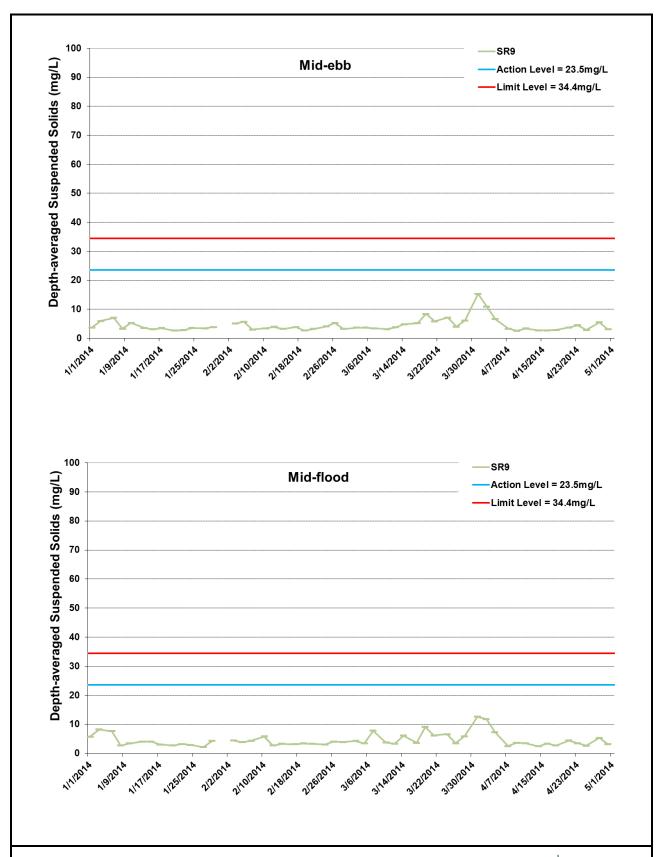


Figure I43 Impact Monitoring - Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 January 2014 and 30 April 2014 at SR9. The weather conditions during the monitoring period varied mostly from sunny to cloudy. Major marine construction activities included: Dredging (1/1/2014 - 4/30/2014, except 1/31/2014); Construction of Temporary Seawalls (1/1/2013 - 4/30/2014); Sheet Piling (1/1/2014 - 4/30/2014); Filling (3/23/2014 - 4/30/2014).



Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-04-02	Mid-Flood	Rainly	Small Wave	CS4	Surface	1	1	1	10:20	20.2		22.4	6.12	10.09	10
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	CS4	Surface	1	1	2	10:20	20		22.1	6.09	10.06	8.3
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	CS4	Middle	11.7	2	1	10:20	20	7.8	23.2	6.24	9.92	10.4
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	CS4	Middle	11.7	2	2	10:20	20.1	7.8	23.1	6.29	9.94	11.1
TMCLKL	HY/2012/08	2014-04-02	+	Rainly	Small Wave	CS4	Bottom	21.3	3	1	10:20	20	-	23.1	6.31	10.04	11.4
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	CS4	Bottom	21.3	3	2	10:20	20	7.8	23.1	6.29	10.05	10.4
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	CS6	Surface	1	1	1	08:20	20.3		22	6.32	10.11	10
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	CS6	Surface	1	1	2	08:20	20.1	7.8	22.3	6.3	10.14	10.1
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	CS6	Middle	6.9	2	1	08:20	20.2		23.1	6.45	10.02	10.9
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	CS6	Middle	6.9	2	2	08:20	20.1	7.82	23	6.5	10.05	12
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	CS6	Bottom	12.7	3	1	08:20	20.1	7.81	23.2	6.41	9.98	10.7
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	CS6	Bottom	12.7	3	2	08:20	20.1	7.8	23.1	6.39	9.99	10.3
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS12	Surface	1	1	1	09:52	20.2		22.4	6.13	9.98	10.5
TMCLKL	HY/2012/08	2014-04-02	_	Rainly	Small Wave	IS12	Surface	1	1	2	09:52	20.1	7.83	22.1	6.11	9.97	11.3
TMCLKL	HY/2012/08	2014-04-02	_	Rainly	Small Wave	IS12	Middle	7.7	2	1	09:52	20.1	7.81	23.1	6.32	9.88	10.9
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS12	Middle	7.7	2	2	09:52	20.1	7.8	23.2	6.39	9.86	12.3
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS12	Bottom	14.3	3	1	09:52	20	7.8	23.1	6.32	9.96	11.9
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS12	Bottom	14.3	3	2	09:52	20.1	7.82	23	6.3	9.92	13.4
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS13	Surface	1	1	1	09:39	20.2		22.3	6.14	10.14	10.7
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS13	Surface	6.1	1		09:39	20.1	7.8	22.1	6.21	10.17	10.1
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS13 IS13	Middle Middle	6.1	2 2	<u> </u>	09:39	20.1 20.1	7.78 7.79	23.2	6.22 6.23	9.89 9.87	10 11.8
TMCLKL TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS13	+	6.1 11.2	3		09:39	20.1	7.79	23.4	6.13	9.69	12.3
TMCLKL	HY/2012/08 HY/2012/08	2014-04-02	+	Rainly	Small Wave Small Wave	IS13	Bottom	11.2	3	1	09:39	20.1		23.3 23.2	6.15	9.72	12.3
TMCLKL		2014-04-02		Rainly		IS14	Bottom	11.2	3		09:39						11.1
TMCLKL	HY/2012/08 HY/2012/08	2014-04-02		Rainly	Small Wave	IS14	Surface	1	1	<u> </u>	10:05	20.2 20.1	7.81 7.82	22.4 22.1	6.21 6.26	10.21 10.23	11.1
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave Small Wave	IS14	Surface Middle	8.4	2		10:05 10:05		_	23.2	6.51	10.23	11.7
TMCLKL	HY/2012/08	2014-04-02		Rainly Rainly	Small Wave	IS14	Middle	8.4	2	1	10:05	20 20.1			6.49	10.05	11.7
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS14	Bottom	15.8	3	1	10:05	20.1	_	23.1	6.27	10.09	11.7
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS14	Bottom	15.8	3	2	10:05				6.3	10.14	13.2
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS15	Surface	10.0	1	1	09:26			22.1	6.12	10.1	10.1
TMCLKL	HY/2012/08	2014-04-02	<del> </del>	Rainly	Small Wave	IS15	Surface	1	1	2	09:26			22.3	6.17	10.09	10.5
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS15	Middle	6.4	2	1	09:26	20.6	-	23	6.19	10.01	12.1
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS15	Middle	6.4	2	2	09:26	20.5		22.9	6.24	10.04	12
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS15	Bottom	11.7	3	1	09:26	20.4		23.2	6.25	10.08	11.9
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS15	Bottom	11.7	3	2	09:26		_	23.1	6.29	10.07	10.8
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR8	Surface	1	1	1	08:55	20.3		22.3	6.07	10.13	9.7
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR8	Surface	1	1	2	08:55	20.2		22.4	6.04	10.1	9.4
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR8	Middle		2	1	08:55					-	
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR8	Middle		2	2	08:55						
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR8	Bottom	4.7	3	1	08:55	20	7.81	23.1	6.27	10.09	11.7
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR8	Bottom	4.7	3	2	08:55	20.1	7.8	22.9	6.23	10.08	12.3
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR9	Surface	1	1	1	09:11	20.1	7.82	22.3	6.17	10.17	11
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR9	Surface	1	1	2	09:11	20.2		22.4	6.2	10.19	11
TMCLKL	HY/2012/08	2014-04-02	Mid-Flood	Rainly	Small Wave	SR9	Middle		2	1	09:11						
TMCLKL	HY/2012/08	2014-04-02	Mid-Flood	Rainly	Small Wave	SR9	Middle		2	2	09:11						
TMCLKL	HY/2012/08	2014-04-02	Mid-Flood	Rainly	Small Wave	SR9	Bottom	4.8	3	1	09:11	20.3	7.81	22.9	6.31	10.09	12.4
TMCLKL	HY/2012/08	2014-04-02	Mid-Flood	Rainly	Small Wave	SR9	Bottom	4.8	3	2	09:11	20.2	7.82	23.2	6.28	10.13	13
TMCLKL	HY/2012/08	2014-04-02	Mid-Flood	Rainly	Small Wave	SR10A	Surface	1	1	1	08:40	20.2	7.82	22.1	6.14	10.17	10.6
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR10A	Surface	1	1	2	08:40	20.1	7.81	22.3	6.1	10.16	10.8
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR10A	Middle	7.5	2	1	08:40	20.2		23.2	6.23	10.12	11
TMCLKL	HY/2012/08	2014-04-02	<b>+</b>	Rainly	Small Wave	SR10A	Middle	7.5	2	2	08:40	20.3		23.1	6.26	10.11	12
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR10A	Bottom	14	3	1	08:40	20.1	-	23.3	6.31	10.07	12
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR10A	Bottom	14	3	2	08:40			23.2	6.27	10.09	13.1
TMCLKL	HY/2012/08	2014-04-02	_	Rainly	Small Wave	CS4	Surface	1	1	1	12:55		-		6.02	10.12	11.7
TMCLKL	HY/2012/08	2014-04-02	_	Rainly	Small Wave	CS4	Surface	1	1	2	12:55			22.5	6.04	10.15	10.7
TMCLKL	HY/2012/08	2014-04-02	Mid-Ebb	Rainly	Small Wave	CS4	Middle	11.5	2	1	12:55	20.1	7.81	23.2	6.18	10.09	13.8

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-04-02	Mid-Ebb	Rainly	Small Wave	CS4	Middle	11.5	2	2	12:55		7.82	23.1	6.15	10.08	12.7
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	CS4	Bottom	21.9	3	1	12:55	20.2	7.81	23.4	6.22	10.1	12.8
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	CS4	Bottom	21.9	3	2	12:55	20.2	7.81	23.3	6.25	10.11	12.1
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	CS6	Surface	1	1	1	16:05	20.3		22.4	6.21	10.17	10.8
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	CS6	Surface	1	1	2	16:05	20.2	7.82	22.5	6.19	10.18	10.9
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	CS6	Middle	6.7	2	1	16:05	20.2	7.82	23.2	6.31	10.12	11.8
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	CS6	Middle	6.7	2	2	16:05	20.2	7.81	23.1	6.27	10.11	11.9
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	CS6	Bottom	12.3	3	1	16:05	20.1	7.81	23.2	6.32	10.14	11.6
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	CS6	Bottom	12.3	3	2	16:05	20.2	7.81	23.3	6.29	10.11	11.8
TMCLKL	HY/2012/08	2014-04-02	_	Rainly	Small Wave	IS12	Surface	1	1	1	13:40	20.1	7.83	22.3	6.06	10.02	11.2
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS12	Surface	1	1	2	13:40	20.2	7.82	22.4	6.03	10.03	10.1
TMCLKL	HY/2012/08	2014-04-02	_	Rainly	Small Wave	IS12	Middle	7.3	2	1	13:40	20.1	7.81	23.2	6.22	9.91	10.2
TMCLKL	HY/2012/08	2014-04-02	_	Rainly	Small Wave	IS12	Middle	7.3	2	2	13:40	20.1	7.82	23.1	6.17	9.88	10.1
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS12	Bottom	13.5	3	1	13:40	20.1	7.79	23.4	6.24	9.98	10.2
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS12	Bottom	13.5	3	2	13:40	20	7.81	23.3	6.28	10.06	10.9
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS13	Surface	1	1	1	14:05	20.3		22.4	6.03	10.19	11.6
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS13	Surface	1	1	2	14:05	20.2	_	22.3	6.07	10.21	11.5
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS13	Middle	5.8	2	1	14:05	20.2	7.83	23.3	6.13	10.13	11.1
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS13	Middle	5.8	2	2	14:05	20.2		23.3	6.12	10.1	10.8
TMCLKL	HY/2012/08	2014-04-02	_	Rainly	Small Wave	IS13	Bottom	10.6	3	1	14:05	20.1	7.81	23.4	6.09	10.14	12.1
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS13	Bottom	10.6	3	2	14:05	20		23.3	6.08	10.17	11.6
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS14	Surface	1	1	1	13:17	20.4		22.5	6.14	10.17	12.7
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS14	Surface	1	1	2	13:17	20.6		22.4	6.11	10.18	13.3
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS14	Middle	8.2	2	1	13:17	20.3		23.3	6.31	10.1	14.7
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS14	Middle	8.2	2	2	13:17	20.2	7.82	23.1	6.37	10.07	13.3
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS14	Bottom	15.3	3	1	13:17	20.2	7.82	23.3	6.21	10.13	15.3
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS14	Bottom	15.3	3	2	13:17	20.1		23.4	6.18	10.11	13.3
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS15	Surface	1	1	1	14:30		_	22.5	6.07	10.13	12
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS15	Surface	1	1	2	14:30	20.3		22.6	6.1	10.15	11.5
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS15	Middle	6.2	2	1	14:30	20.3		23.5	6.14	10.06	11.5
TMCLKL	HY/2012/08	2014-04-02	-	Rainly	Small Wave	IS15	Middle	6.2	2	2	14:30	20.3		23.4	6.17	10.09	11.7
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS15	Bottom	11.3	3	1	14:30	20.2		23.5	6.19	10.12	12.2
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	IS15	Bottom	11.3	3	2	14:30	20.1	7.82	23.5	6.2	10.1	11.6
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR8	Surface	1	1	1	15:17			22.5	6.16	10.19	10.8
TMCLKL	HY/2012/08	2014-04-02	_	Rainly	Small Wave	SR8	Surface	1	1	2	15:17	20.1	7.83	22.4	6.19	10.17	10.2
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR8	Middle		2	1	15:17						
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR8	Middle		2	2	15:17						
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR8	Bottom	4.3	3	1	15:17	20			6.21	10.13	10.4
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR8	Bottom	4.3	3	2	15:17		7.82	23	6.25	10.14	10.2
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR9	Surface	1	1	1	14:54			22.4	6.04	10.18	10.9
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR9	Surface	1	1	2	14:54	20.5	7.8	22.7	6.01	10.21	10.6
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR9	Middle		2		14:54						
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR9	Middle		2	2	14:54		7.00				
TMCLKL	HY/2012/08	2014-04-02	-	Rainly	Small Wave	SR9	Bottom	4.6	3	1	14:54	20		23.3	6.16	10.14	11.6
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR9	Bottom	4.6	3	2	14:54			23.1	6.11	10.18	10.6
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave		Surface	1	1	1	15:40	20.2		22.4	6.17	10.17	11
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR10A	Surface	1	1	2	15:40	20.3		22.3	6.19	10.18	9.8
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR10A	Middle	7.4	2	1	15:40		7.79	23.2	6.74	10.14	11
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR10A	Middle	7.4	2	2	15:40	20.1	7.81	23.3	6.78	10.12	11
TMCLKL	HY/2012/08	2014-04-02	_	Rainly	Small Wave	SR10A	Bottom	13.7	3		15:40		7.8	23.3	6.22	10.1	11.4
TMCLKL	HY/2012/08	2014-04-02		Rainly	Small Wave	SR10A	Bottom	13.7	3	2	15:40		7.79	23.3	6.24	10.11	12.4
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	CS4	Surface	1	1	1	10:35	20.5		20.3	6.79	6.11	4.2
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	CS4	Surface	1	1	2	10:35	20.4		20.3	6.82	6.16	3.9
TMCLKL	HY/2012/08	2014-04-04	-	Cloudy	Small Wave	CS4	Middle	11	2	1	10:35			21.2	6.62	6.54	4.2
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	CS4	Middle	11	2	2	10:35			21.2	6.58	6.5	4
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	CS4	Bottom	22	3	1	10:35	20.3		21.4	6.54	6.62	3.5
TMCLKL	HY/2012/08	2014-04-04	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	22	3	2	10:35	20.3	7.84	21.4	6.57	6.56	3.2

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	CS6	Surface	1	1	1	07:45			20.1	6.72	6.98	3.9
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	CS6	Surface	1	1	2	07:45		7.8	20.1	6.75	6.94	4.4
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	CS6	Middle	7.1	2	1	07:45	20.4		20.9	6.58	6.28	2.3
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	CS6	Middle	7.1	2	2	07:45			20.9	6.54	6.25	4.4
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	CS6	Bottom	13.2	3	1	07:45	20.3	7.8 7.8	21.3	6.34	6.18	4.6
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-04 2014-04-04		Cloudy Cloudy	Small Wave Small Wave	IS12	Bottom Surface	13.2	3		07:45 09:51	20.3 20.5		21.3 20.2	6.3 6.82	6.15 5.94	4.2 3.8
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	IS12	Surface	1	1	2	09.51	20.3		20.2	6.85	5.89	4.3
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	IS12	Middle	7.4	2	1	09:51	20.4		21.2	6.67	6.49	3.5
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	IS12	Middle	7.4	2	2	09:51	20.4		21.2	6.64	6.41	4.1
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	IS12	Bottom	13.8	3	1	09:51	20.4		21.3	6.5	6.67	3.9
TMCLKL	HY/2012/08	2014-04-04	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	13.8	3	2	09:51	20.3	7.84	21.2	6.54	6.62	3.8
TMCLKL	HY/2012/08	2014-04-04	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	1	09:32	20.5	7.82	20.2	6.68	6.77	2.6
TMCLKL	HY/2012/08	2014-04-04	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	2	09:32	20.5	7.82	20.2	6.64	6.7	2.8
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	IS13	Middle	6.1	2	1	09:32	20.4		21.1	6.51	6.82	2.5
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	IS13	Middle	6.1	2	2	09:32	20.4		21.1	6.48	6.77	2.8
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	IS13	Bottom	11.2	3	1	09:32	20.3		21.3	6.44	6.71	3
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	IS13	Bottom	11.2	3	2	09:32	20.4		21.3	6.47	6.8	3.1
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	IS14	Surface	1	1	1	10:10	20.5		20.3	6.85	6.27	5.4
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-04 2014-04-04		Cloudy Cloudy	Small Wave Small Wave	IS14 IS14	Surface Middle	8.3	2		10:10 10:10	20.5 20.4	7.83 7.84	20.2 21.1	6.81 6.62	6.22 6.9	3.4 4.6
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	IS14	Middle	8.3	2	2	10:10	20.4	7.84	21.1	6.59	6.85	4.6
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	IS14	Bottom	15.6	3	1	10:10	20.4		21.3	6.48	6.79	5.5
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	IS14	Bottom	15.6	3	2	10:10	20.3		21.3	6.44	6.76	4.6
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	IS15	Surface	1	1	1	09:12	20.5		20.2	6.79	6.8	4.8
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	IS15	Surface	1	1	2	09:12			20.1	6.75	6.86	4.9
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	IS15	Middle	6.2	2	1	09:12			21	6.42	6.39	4.4
TMCLKL	HY/2012/08	2014-04-04	Mid-Flood	Cloudy	Small Wave	IS15	Middle	6.2	2	2	09:12	20.4	7.82	21.1	6.45	6.32	4
TMCLKL	HY/2012/08	2014-04-04	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	11.4	3	1	09:12	20.4	7.82	21.2	6.38	6.78	5.8
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	IS15	Bottom	11.4	3	2	09:12	20.3		21.2	6.34	6.72	5.8
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	SR8	Surface	1	1	1	08:43		7.8	20.2	6.83	5.97	5.1
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	SR8	Surface	1	1	2	08:43	20.4	7.81	20.1	6.87	5.92	6.1
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	SR8	Middle		2	1	08:43						
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	SR8	Middle	4.0	2	2	08:43		7.04	24.2	C 44	0.00	0.0
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	SR8	Bottom	4.6 4.6	3	1	08:43			21.3	6.44	6.29	6.9 6.5
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-04 2014-04-04		Cloudy Cloudy	Small Wave Small Wave	SR8 SR9	Bottom Surface	4.0	ى 1		08:43 08:58	20.3 20.4		21.3 20.2	6.48 6.75	6.26 6.12	5.1
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	SR9	Surface	1	1	2	08:58			20.2	6.78	6.07	6.1
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	SR9	Middle	'	2	1	08:58		7.01	20.2	0.70	0.07	0.1
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	SR9	Middle		2	2	08:58						
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	SR9	Bottom	4.8	3	1	08:58		7.82	21	6.53	6.64	8.9
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	SR9	Bottom	4.8	3	2	08:58			21	6.5	6.59	9
TMCLKL	HY/2012/08	2014-04-04	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	1	08:15	20.4	7.8	20.2	6.67	6.32	7.1
TMCLKL	HY/2012/08	2014-04-04	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	2	08:15	20.4	7.8	20.1	6.69	6.36	6.8
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	SR10A	Middle	7.3	2	1	08:15		7.8	21	6.49	6.62	5.6
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	SR10A	Middle	7.3	2	2	08:15			21	6.47	6.6	6.2
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	SR10A	Bottom	14.6	3	1	08:15			21.3	6.52	6.44	4.6
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	SR10A	Bottom	14.6	3	2	08:15			21.3	6.55	6.4	5.8
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	CS4	Surface	1	1	1	14:15		_	20.4	6.7	6.17	4.6
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	CS4	Surface	1 1	1	2	14:15		7.87	20.4	6.73	6.22	4.4
TMCLKL	HY/2012/08 HY/2012/08	2014-04-04 2014-04-04		Cloudy	Small Wave Small Wave	CS4 CS4	Middle Middle	11.3 11.3	2	1	14:15		7.9 7.89	21.3 21.2	6.53 6.49	6.6 6.56	4.6 5.3
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-04		Cloudy Cloudy	Small Wave	CS4 CS4	Bottom	21.6	3		14:15 14:15			21.4	6.49	6.68	5.3 5.4
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	CS4	Bottom	21.6	3	2	14:15		7.86	21.4	6.48	6.62	3.4
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	CS4	Surface	1	1	<u> </u>	17:27	20.2		20.1	6.63	7.04	4.6
TMCLKL	HY/2012/08	2014-04-04		Cloudy	Small Wave	CS6	Surface	1	1	2	17:27	20.4	7.86	20.1	6.66	7.04	5.4
	HY/2012/08	2014-04-04		Cloudy	Small Wave	CS6	Middle	6.8	2	1	17:27			20.9	6.49	6.34	

TYPECHE   VIVORIZARI   2016-66-66-66-67-68-68-68-68-68-68-68-68-68-68-68-68-68-	Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
Table   Principal Color   Table   Ta							-			2	2							4.3
TREATE   17/2017/208   2474-44-0-  Mod Esta   Courty   Small Water   S12   Sufface   1   1   1   15/03   20.5   7.78   20.2   8.78   6   6   6   6   6   6   6   6   6								<del> </del>			1							5.7
THEILING   Privident   Privident   Privident   Privident   Privident   Privilent   Privi									12.6	3	2						6.21	3.9
THICKIE   HYZ01208   2014-04-06   Mid-Ebb   Cloudy   Small Wave   St.2   Middle   7,2   2   1   1939   204   7.88   21.1   6.55   6.47   Middle   HyZ01209   2014-04-06   Mid-Ebb   Cloudy   Small Wave   St.2   Middle   7,2   2   2   1.903   20.4   7.88   21.2   6.45   6.47   Middle   HyZ01209   2014-04-06   Mid-Ebb   Cloudy   Small Wave   St.2   Middle   7,2   2   2   1.903   20.4   7.88   21.2   6.45   6.47   Middle   HyZ01209   2014-04-06   Mid-Ebb   Cloudy   Small Wave   St.3   Surface   1   1   1.927   2.00   7.88   20.2   2.05   6.55   6.78   Middle   HyZ01209   2014-04-06   Mid-Ebb   Cloudy   Small Wave   St.3   Surface   1   1   1.927   2.00   7.88   21.2   6.45   6.85   Middle   HyZ01209   2014-04-06   Mid-Ebb   Cloudy   Small Wave   St.3   Middle   6.9   2   1.927   2.00   7.88   21.2   6.42   6.88   Middle   HyZ01209   2014-04-06   Mid-Ebb   Cloudy   Small Wave   St.3   Middle   6.9   2   1.927   2.00   7.88   21.2   6.42   6.88   Middle   HyZ01209   2014-04-06   Mid-Ebb   Cloudy   Small Wave   St.3   Middle   6.9   2   1.927   2.00   7.88   21.2   6.42   6.88   Middle   Mid-Ebb   Cloudy   Small Wave   St.3   Middle   6.9   2   1.927   2.00   7.88   21.1   6.38   6.53   Middle   6.9   2   1.927   2.00   7.88   21.1   6.38   6.53   Middle   6.9   2   1.927   2.00   7.88   21.1   6.38   6.53   Middle   6.9   2   1.927   2.00   7.88   21.1   6.38   6.53   Middle   Mid-Ebb   Cloudy   Small Wave   St.3   Middle   6.9   2   1.927   2.00   7.88   2.1   6.42   6.55   6.78   Middle   Mid-Ebb   Cloudy   Small Wave   St.3   Middle   Mid-Ebb   Cloudy   Small Wave   St.3   Middle   Mid-Ebb   Mid-Ebb   Cloudy   Small Wave   St.3   Middle   Mid-Ebb   Mid-Ebb   Cloudy   Small Wave   St.3   Middle   Mid-Ebb   Mid-Ebb   Mid-Ebb   Cloudy   Small Wave								+	1	1	1						6	4.4
TMCURD   Privage   Priva									1	1	2							5.4
TMCLICAL   1472971209   2014-04-04   Mid-Ebb   Cloudy   Small Wave   1812   Bottom   13-4   3   2   10-08   20.3   7.88   2.1.1   0.41   0.78											1							4.6
TRICIENT   MYSPIZER   2014-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-						+					1							4.0
TRICLIC   PRIVED   2014-04-04 (Med-Ebb   Cloudy   Small Views   1873   Surface   1   1   1   15-27   20.5   7.86   20.2   8.69   6.89   RIGURA   PRIVED											2							5.9
TRICKER   MY201209   2014-04-04 Mid-Ebb   Cloudy   Small Wave   S13   Surface   1   1   2   15:27   20.5   7.87   20.3   6.55   6.76   TRICKER   MY201209   2014-04-04 Mid-Ebb   Cloudy   Small Wave   S13   Surface   1   1   2   15:27   20.5   7.88   21:2   6.42   6.88   TRICKER   MY201209   2014-04-04 Mid-Ebb   Cloudy   Small Wave   S13   Surface   1   1   2   15:27   20.5   7.88   21:2   6.25   6.77   TRICKER   MY201209   2014-04-04 Mid-Ebb   Cloudy   Small Wave   S13   Surface   1   1   2   15:27   20.2   7.89   21:3   6.35   6.77   TRICKER   MY201209   2014-04-04 Mid-Ebb   Cloudy   Small Wave   S13   Surface   1   1   2   15:27   20.2   7.89   21:3   6.35   6.77   TRICKER   MY201209   2014-04-04 Mid-Ebb   Cloudy   Small Wave   S14   Middle   6.1   2   2   1   14:39   20.8   7.89   20.4   6.72   6.28   TRICKER   MY201209   2014-04-04 Mid-Ebb   Cloudy   Small Wave   S14   Middle   6.1   2   2   1   14:39   20.8   7.89   21:1   6.53   6.90   TRICKER   MY201209   2014-04-04 Mid-Ebb   Cloudy   Small Wave   S14   Middle   6.1   2   2   1   14:39   20.8   7.9   21:2   6.5   6.90   TRICKER   MY201209   2014-04-04 Mid-Ebb   Cloudy   Small Wave   S14   Middle   6.1   2   2   1   14:39   20.8   7.9   21:1   6.53   6.80   TRICKER   MY201209   2014-04-04 Mid-Ebb   Cloudy   Small Wave   S14   Middle   6.1   2   2   1   14:39   20.8   7.9   21:4   6.38   6.85   TRICKER   MY201209   2014-04-04 Mid-Ebb   Cloudy   Small Wave   S14   Middle   6.1   2   2   1   14:39   20.8   7.9   21:4   6.38   6.85   TRICKER   MY201209   2014-04-04 Mid-Ebb   Cloudy   Small Wave   S15   Sufface   1   1   15:39   20.8   7.8   20.8   6.7   6.30   6.85   TRICKER   MY201209   2014-04-04 Mid-Ebb   Cloudy   Small Wave   S15   Middle   6.1   2   2   15:51   20.8   7.8   20.8   6.8   6.8   TRICKER   MY201209   2014-04-04 Mid-Ebb   Cloudy   Small Wave   S16   Middle   6.1   2   2   15:51   20.8   7.8   20.8   6.8   6.8   TRICKER   MY201209   2014-04-04 Mid-Ebb   Cloudy   Small Wave   S16   Mid-Ebb   Cloudy   Small Wave   S16   Mid-Ebb   Cloudy   Small									10.4	1	1							4.6
Micklet   Myzgrizini   2014-04-04   Mid-Ebb   Cloudy   Small Wave   B13   Middle   5.9   2   1   15.27   20.5   7.88   21   6.42   6.88   7.87   7.88   7.							-		1	1	2							5.2
TRICKLE,   MY201208   2014-04-04   Mod-Ebb   Cloudy   Small Wave   B13   Models   5.0   2   2   15.27   20.4   7.69   21.1   6.30   6.69									5.9	2								4.1
MAGLKL   MY207208   2014-04-04   Mol-Ebb   Cloudy   Small Wave   IS13   Bottom   10.8   3   1   15.27   20.2   7.88   21.3   6.35   6.77							-				2							3.9
TMCLIK.   MY201208   2014-04-04   Mid-Ebb   Cloudy   Small Wave   IS14   Surface   1   1   14:39   20.6   7.89   2.0   6.76   6.32	TMCLKL	HY/2012/08	2014-04-04	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom		<u> </u>	1	15:27			21.3	6.35	6.77	5.4
TRICKLK, HY201208   2014-04-04 Mid-Ebb   Cloudy   Small Wave   IS14   Middle   8.1   2   14.39   20.6   7.88   20.4   0.72   0.28	TMCLKL	HY/2012/08	2014-04-04	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	10.8	3	2	15:27	20.3	7.88	21.4	6.38	6.86	5.3
MOLIKA   MY201208   2014-04-04 Mid-Ebb   Cloudy   Small Wave   IS14   Middle   8.1   2   1   14:39   20.4   7.89   2.11   6.53   6.38   TMCKIK   MY201208   2014-04-04 Mid-Ebb   Cloudy   Small Wave   IS14   Middle   8.1   2   14:39   20.5   7.9   21:2   6.5   6.31   TMCKIK   MY201208   2014-04-04 Mid-Ebb   Cloudy   Small Wave   IS14   Bottom   15:2   3   1   14:39   20.4   7.41   2.14   6.39   6.65   TMCKIK   MY201208   2014-04-04 Mid-Ebb   Cloudy   Small Wave   IS15   Small Wave   IS16   IS	TMCLKL	HY/2012/08	2014-04-04	Mid-Ebb	Cloudy	Small Wave	IS14	Surface	1	1	1	14:39	20.5	7.89	20.3	6.76	6.33	3.6
TMCKLK   HY/201208   2014-04-04 Mid-Ebb   Cloudy   Small Wave   IS14   Bottom   15.2   3   1   14.39   20.5   7.9   21.2   6.5   6.91	TMCLKL	HY/2012/08	2014-04-04	Mid-Ebb	Cloudy	Small Wave		Surface	1	1	2	14:39	20.6			6.72		4.6
TMCKLK   HY/201208   2014-04-04   Mid-Ebb   Cloudy   Small Wave   IS14   Bottom   15.2   3   1   14.39   20.4   7.91   21.4   6.39   6.85											1							4.8
TMCLK, HY/201208							_				2							3
TMCLIK.   H7/2012/08   2014-04-04 Mild-Ebb   Cloudy   Small Wave   IS1   Surface   1   1   1   15:51   20:5   7.88   20:3   6.77   6.86   MCLIK.   H7/2012/08   2014-04-04 Mild-Ebb   Cloudy   Small Wave   IS1   Surface   1   1   2   15:51   20:5   7.87   20:3   6.66   6.92   MCLIK.   H7/2012/08   2014-04-04 Mild-Ebb   Cloudy   Small Wave   IS1   Surface   1   1   2   15:51   20:4   7.89   21:2   6.33   6.45   MCLIK.   H7/2012/08   2014-04-04 Mild-Ebb   Cloudy   Small Wave   IS1   Surface   1   1   15:51   20:4   7.89   21:2   6.33   6.45   MCLIK.   H7/2012/08   2014-04-04 Mild-Ebb   Cloudy   Small Wave   IS1   Surface   1   1   15:51   20:5   7.87   21:3   6.36   6.38   MCLIK.   H7/2012/08   2014-04-04 Mild-Ebb   Cloudy   Small Wave   IS1   Surface   1   1   1   16:39   20:5   7.86   20:2   6.74   6.03   MCLIK.   H7/2012/08   2014-04-04 Mild-Ebb   Cloudy   Small Wave   SR8   Surface   1   1   1   16:39   20:5   7.86   20:2   6.74   6.03   MCLIK.   H7/2012/08   2014-04-04 Mild-Ebb   Cloudy   Small Wave   SR8   Surface   1   1   1   16:39   20:5   7.86   20:2   6.74   6.03   MCLIK.   H7/2012/08   2014-04-04 Mild-Ebb   Cloudy   Small Wave   SR8   Middle   2   1   16:39   20:4   7.87   20:3   6.78   6.78   MCLIK.   H7/2012/08   2014-04-04 Mild-Ebb   Cloudy   Small Wave   SR8   Middle   2   2   1   16:39   20:4   7.87   20:3   6.78   6.35   6.33   MCLIK.   H7/2012/08   2014-04-04 Mild-Ebb   Cloudy   Small Wave   SR8   Surface   1   1   1   16:59   20:4   7.87   20:3   6.66   6.18   MCLIK.   H7/2012/08   2014-04-04 Mild-Ebb   Cloudy   Small Wave   SR8   Surface   1   1   1   16:59   20:4   7.87   20:2   6.66   6.18   MCLIK.   H7/2012/08   2014-04-04 Mild-Ebb   Cloudy   Small Wave   SR8   Surface   1   1   1   16:59   20:4   7.87   20:2   6.66   6.18   MCLIK.   H7/2012/08   2014-04-04 Mild-Ebb   Cloudy   Small Wave   SR8   Surface   1   1   1   16:59   20:4   7.87   20:2   6.66   6.18   MCLIK.   H7/2012/08   2014-04-04 Mild-Ebb   Cloudy   Small Wave   SR8   Surface   1   1   1   16:59   20:4   7.87   20:2   6.66   6.											1							5.5
TMCLIK   H7/2012/08									15.2	3	2							4.1
TMCLIK   HY/2012/08   2014-04-04   Mid-Ebb   Cloudy   Small   Wave   IS15   Middle   6.1   2   1   15:51   20.4   7.89   21.2   6.33   6.45								+	1	1	1							6.6
TMCLIK   HY/2012/08   2014-04-04   Mid-Ebb   Cloudy   Small Wave   IS15   Middle   6.1   2   2   15.51   20.5   7.67   2.13   6.36   6.38							_		6.1	1	2							6.6
TMCLIK.   HY/201208   2014-04-04   Mid-Ebb   Cloudy   Small Wave   IS16   Boltom   11.2   3   1   15:51   20.3   7.88   21.2   6.25   6.78							_				2							5.4 6.4
TMCLKL   HY/201208   2014-04-04   Mid-Ebb   Cloudy   Small Wave   SR8   Surface   1   1   1   16:39   20.5   7.86   20.2   6.74   6.03   7.89   7.75   7.7								+		ļ	1							5.8
TMCLKL   HY/201208   2014-04-04   Mid-Ebb   Cloudy   Small Wave   SR8   Surface   1   1   1   16:39   20.5   7.86   20.2   6.74   6.03   TMCLKL   HY/201208   2014-04-04   Mid-Ebb   Cloudy   Small Wave   SR8   Surface   1   1   2   16:39   20.4   7.87   20.3   6.78   5.98   TMCLKL   HY/201208   2014-04-04   Mid-Ebb   Cloudy   Small Wave   SR8   Middle   2   2   16:39   Cloudy   Small Wave   SR8   Surface   1   1   1   16:39   20.4   7.87   20.3   6.35   6.33   Cloudy   Small Wave   SR8   Surface   1   1   1   16:39   20.4   7.87   20.2   6.66   6.18   Cloudy   Small Wave   SR8   Surface   1   1   1   16:15   20.4   7.87   20.2   6.66   6.18   Cloudy   Small Wave   SR8   Surface   1   1   1   16:15   20.5   7.88   20.3   6.69   6.13   Cloudy   Small Wave   SR8   Surface   1   1   2   16:15   20.5   7.88   20.3   6.69   6.13   Cloudy   Small Wave   SR8   Middle   2   2   1   16:15   Cloudy   Small Wave   SR8   Surface   1   1   2   16:15   Cloudy   Small Wave   SR8   Middle   2   2   1   16:15   Cloudy   Small Wave   SR8   Middle   2   2   1   16:15   Cloudy   Small Wave   SR8   Middle   2   2   1   16:15   Cloudy   Small Wave   SR8   Middle   2   2   1   16:15   Cloudy   Small Wave   SR8   Middle   2   2   1   16:15   Cloudy   Small Wave   SR8   Middle   2   2   1   16:15   Cloudy   Small Wave   SR8   Middle   2   2   1   16:15   Cloudy   Small Wave   SR8   Middle   2   2   1   16:15   Cloudy   Small Wave   SR8   Middle   2   2   1   16:15   Cloudy   Small Wave   SR8   Middle   2   2   1   16:15   Cloudy   Small Wave   SR8   Middle   2   2   1   16:15   Cloudy   Small Wave   SR8   Middle   2   2   1   16:15   Cloudy   Small Wave   SR8   Middle   2   2   1   16:15   Cloudy   Small Wave   SR8   Middle   2   2   1   16:15   Cloudy   Small Wave   SR8   Middle   2   2   1   16:15   Cloudy   Small Wave   SR8											2							6.7
TMCLKL   HY/201208   2014-04-04   Mid-Ebb   Cloudy   Small   Wave   SR8   Middle   2   1   1   2   16:39   20.4   7.87   20.3   6.78   5.98   TMCLKL   HY/201208   2014-04-04   Mid-Ebb   Cloudy   Small   Wave   SR8   Middle   2   1   16:39   20.4   7.86   21.3   6.35   6.33   TMCLKL   HY/201208   2014-04-04   Mid-Ebb   Cloudy   Small   Wave   SR8   Bottom   4.4   3   1   16:39   20.4   7.86   21.3   6.35   6.33   TMCLKL   HY/201208   2014-04-04   Mid-Ebb   Cloudy   Small   Wave   SR8   Bottom   4.4   3   2   16:39   20.4   7.86   21.3   6.35   6.33   TMCLKL   HY/201208   2014-04-04   Mid-Ebb   Cloudy   Small   Wave   SR8   Surface   1   1   1   16:15   20.4   7.87   20.2   6.66   6.18   TMCLKL   HY/201208   2014-04-04   Mid-Ebb   Cloudy   Small   Wave   SR8   Surface   1   1   2   16:15   20.5   7.88   20.3   6.69   6.13   TMCLKL   HY/201208   2014-04-04   Mid-Ebb   Cloudy   Small   Wave   SR8   Middle   2   1   16:15   20.5   7.88   20.3   6.69   6.13   TMCLKL   HY/201208   2014-04-04   Mid-Ebb   Cloudy   Small   Wave   SR8   Middle   2   1   16:15   Middle   Middle									1	1	1							
TMCLKL   HY/2012/08   2014-04-04 Mid-Ebb   Cloudy   Small Wave   SR8   Middle   2   1   16:39									1	1	2							4.7
TMCLKL   HY/2012/08   2014-04-04   Mid-Ebb   Cloudy   Small Wave   SR8   Bottom   4.4   3   1   16:39   20.4   7.86   21.3   6.35   6.33	TMCLKL					Small Wave	SR8	Middle		2	1							
TMCLKL   HY/2012/08   2014-04-04   Mid-Ebb   Cloudy   Small   Wave   SR8   Bottom   4.4   3   2   16:39   20.3   7.85   21.4   6.39   6.32	TMCLKL	HY/2012/08	2014-04-04	Mid-Ebb	Cloudy	Small Wave	SR8	Middle		2	2	16:39						
TMCLKL   HY/2012/08   2014-04-04   Mid-Ebb   Cloudy   Small Wave   SR9   Surface   1   1   1   16:15   20.4   7.87   20.2   6.66   6.18	TMCLKL	HY/2012/08	2014-04-04	Mid-Ebb	Cloudy	Small Wave	SR8	Bottom	4.4	3	1	16:39	20.4	7.86	21.3	6.35	6.33	3.7
TMCLKL   HY/2012/08   2014-04-04   Mid-Ebb   Cloudy   Small Wave   SR9   Middle   2   11   16:15	TMCLKL	HY/2012/08			Cloudy	Small Wave	SR8	Bottom	4.4	3	2	16:39	20.3	7.85	21.4	6.39	6.32	4.7
TMCLKL   HY/2012/08   2014-04-04   Mid-Ebb   Cloudy   Small Wave   SR9   Middle   2   1   16:16					Cloudy		_		1	1	1							5
TMCLKL   HY/2012/08   2014-04-04   Mid-Ebb   Cloudy   Small Wave   SR9   Bottom   4.2   3   1   16:15   20.3   7.89   2.1.1   6.44   6.7									1	1	2			7.88	20.3	6.69	6.13	5.5
TMCLKL   HY/2012/08   2014-04-04   Mid-Ebb   Cloudy   Small Wave   SR9   Bottom   4.2   3   1   16:15   20.3   7.89   21.1   6.44   6.7										2	1							<b></b>
TMCLKL   HY/2012/08   2014-04-04   Mid-Ebb   Cloudy   Small Wave   SR9   Bottom   4.2   3   2   16:15   20.2   7.88   21   6.41   6.65									4.0	2	2			7.00	04.4	0.44	0.7	7-
TMCLKL   HY/2012/08   2014-04-04   Mid-Ebb   Cloudy   Small Wave   SR10A   Surface   1   1   1   17:03   20.5   7.86   20.3   6.58   6.38								+			1							7.7
TMCLKL         HY/2012/08         2014-04-04 Mid-Ebb         Cloudy         Small Wave         SR10A         Surface         1         1         2         17:03         20.4         7.87         20.2         6.6         6.42           TMCLKL         HY/2012/08         2014-04-04 Mid-Ebb         Cloudy         Small Wave         SR10A         Middle         7.6         2         1         17:03         20.4         7.87         21         6.4         6.68           TMCLKL         HY/2012/08         2014-04-04 Mid-Ebb         Cloudy         Small Wave         SR10A         Bottom         14.2         3         1 17:03         20.4         7.87         21         6.38         6.66           TMCLKL         HY/2012/08         2014-04-04 Mid-Ebb         Cloudy         Small Wave         SR10A         Bottom         14.2         3         1 17:03         20.3         7.88         21.4         6.43         6.5           TMCLKL         HY/2012/08         2014-04-04 Mid-Ebb         Cloudy         Small Wave         SR10A         Bottom         14.2         3         2 17:03         20.2         7.87         21.4         6.46         6.4           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood									4.2	ا ا								8.2 7.5
TMCLKL         HY/2012/08         2014-04-04 Mid-Ebb         Cloudy         Small Wave         SR10A         Middle         7.6         2         1         17:03         20.3         7.86         21.1         6.4         6.68           TMCLKL         HY/2012/08         2014-04-04 Mid-Ebb         Cloudy         Small Wave         SR10A         Middle         7.6         2         2         17:03         20.4         7.87         21         6.38         6.66           TMCLKL         HY/2012/08         2014-04-04 Mid-Ebb         Cloudy         Small Wave         SR10A         Bottom         14.2         3         1         17:03         20.3         7.88         21.4         6.43         6.5           TMCLKL         HY/2012/08         2014-04-04 Mid-Ebb         Cloudy         Small Wave         SR10A         Bottom         14.2         3         2         17:03         20.2         7.87         21.4         6.46         6.46           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS4         Surface         1         1         11:39         20.3         7.81         23.7         6.62         2.11           TMCLKL         HY/2012/08         201							_		1	1	2							7.8
TMCLKL         HY/2012/08         2014-04-04 Mid-Ebb         Cloudy         Small Wave         SR10A Middle         7.6         2         2         17:03         20.4         7.87         21         6.38         6.66           TMCLKL         HY/2012/08         2014-04-04 Mid-Ebb         Cloudy         Small Wave         SR10A         Bottom         14.2         3         1 17:03         20.3         7.88         21.4         6.43         6.5           TMCLKL         HY/2012/08         2014-04-04 Mid-Ebb         Cloudy         Small Wave         SR10A         Bottom         14.2         3         2 17:03         20.2         7.87         21.4         6.43         6.5           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS4         Surface         1         1         1 11:39         20.3         7.81         23.7         6.62         2.11           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS4         Surface         1         1         2 11:39         20.3         7.81         23.7         6.58         2.07           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wa							_		7.6	2	1							6.4
TMCLKL         HY/2012/08         2014-04-04         Mid-Ebb         Cloudy         Small Wave         SR10A         Bottom         14.2         3         1         17:03         20.3         7.88         21.4         6.43         6.5           TMCLKL         HY/2012/08         2014-04-04         Mid-Ebb         Cloudy         Small Wave         SR10A         Bottom         14.2         3         2         17:03         20.2         7.87         21.4         6.46         6.46           TMCLKL         HY/2012/08         2014-04-07         Mid-Flood         Cloudy         Small Wave         CS4         Surface         1         1         11:39         20.3         7.82         23.7         6.62         2.11           TMCLKL         HY/2012/08         2014-04-07         Mid-Flood         Cloudy         Small Wave         CS4         Middle         11.4         2         11:39         20.3         7.81         23.7         6.58         2.07           TMCLKL         HY/2012/08         2014-04-07         Mid-Flood         Cloudy         Small Wave         CS4         Middle         11.4         2         2         11:39         20.1         7.83         25.2         6.44         2.61      <							_	+			2							7.7
TMCLKL         HY/2012/08         2014-04-04         Mid-Ebb         Cloudy         Small Wave         SR10A         Bottom         14.2         3         2         17:03         20.2         7.87         21.4         6.46         6.46           TMCLKL         HY/2012/08         2014-04-07         Mid-Flood         Cloudy         Small Wave         CS4         Surface         1         1         11:39         20.3         7.82         23.7         6.62         2.11           TMCLKL         HY/2012/08         2014-04-07         Mid-Flood         Cloudy         Small Wave         CS4         Surface         1         1         2 11:39         20.3         7.82         23.7         6.62         2.11           TMCLKL         HY/2012/08         2014-04-07         Mid-Flood         Cloudy         Small Wave         CS4         Middle         11.4         2         11:39         20.3         7.82         25.2         6.4         2.67           TMCLKL         HY/2012/08         2014-04-07         Mid-Flood         Cloudy         Small Wave         CS4         Bottom         21.8         3         1         11:39         20.2         7.82         25.2         6.44         2.61           TMC							_				1							5.6
TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS4         Surface         1         1         11:39         20.3         7.82         23.7         6.62         2.11           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS4         Surface         1         1         2         11:39         20.3         7.81         23.7         6.58         2.07           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS4         Middle         11.4         2         1         11:39         20.1         7.83         25.2         6.4         2.67           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS4         Middle         11.4         2         2         11:39         20.2         7.82         25.2         6.4         2.61           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS4         Bottom         21.8         3         1         11:39         20.7         7.83         25.4         6.31         2.77           TMCLKL         HY/2012/08         2						+	+	1			2							6.2
TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS4         Surface         1         1         2         11:39         20.3         7.81         23.7         6.58         2.07           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS4         Middle         11.4         2         1         11:39         20.1         7.83         25.2         6.4         2.67           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS4         Middle         11.4         2         2         11:39         20.2         7.82         25.2         6.4         2.61           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS4         Bottom         21.8         3         1         11:39         20         7.83         25.2         6.44         2.61           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS4         Bottom         21.8         3         2         11:39         20         7.83         25.3         6.34         2.82           TMCLKL         HY/2012/08 </td <td>TMCLKL</td> <td></td> <td></td> <td></td> <td></td> <td>Small Wave</td> <td></td> <td>Surface</td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2.2</td>	TMCLKL					Small Wave		Surface	1	1	1							2.2
TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS4         Middle         11.4         2         2         11:39         20.2         7.82         25.2         6.44         2.61           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS4         Bottom         21.8         3         1         11:39         20         7.83         25.4         6.31         2.77           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS4         Bottom         21.8         3         2         11:39         20         7.83         25.3         6.34         2.82           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS6         Surface         1         1         08:50         20.2         7.79         23.6         6.72         2.47           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS6         Surface         1         1         2         08:50         20.1         7.78         23.6         6.76         2.42           TMCLKL         HY/2012/08         201	TMCLKL	HY/2012/08	2014-04-07	Mid-Flood	Cloudy	Small Wave	CS4	Surface	1	1	2	11:39	20.3	7.81	23.7	6.58	2.07	2.3
TMCLKL         HY/2012/08         2014-04-07         Mid-Flood         Cloudy         Small Wave         CS4         Bottom         21.8         3         1         11:39         20         7.83         25.4         6.31         2.77           TMCLKL         HY/2012/08         2014-04-07         Mid-Flood         Cloudy         Small Wave         CS4         Bottom         21.8         3         2         11:39         20         7.83         25.4         6.31         2.77           TMCLKL         HY/2012/08         2014-04-07         Mid-Flood         Cloudy         Small Wave         CS6         Surface         1         1         08:50         20.2         7.79         23.6         6.72         2.47           TMCLKL         HY/2012/08         2014-04-07         Mid-Flood         Cloudy         Small Wave         CS6         Surface         1         1         2         08:50         20.1         7.78         23.6         6.76         2.42           TMCLKL         HY/2012/08         2014-04-07         Mid-Flood         Cloudy         Small Wave         CS6         Middle         6.4         2         1         08:50         20         7.78         24.9         6.52         1.96	TMCLKL	HY/2012/08	2014-04-07	Mid-Flood	Cloudy	Small Wave	CS4	Middle	11.4	2	1	11:39	20.1	7.83	25.2	6.4		2.1
TMCLKL         HY/2012/08         2014-04-07         Mid-Flood         Cloudy         Small Wave         CS4         Bottom         21.8         3         2         11:39         20         7.83         25.3         6.34         2.82           TMCLKL         HY/2012/08         2014-04-07         Mid-Flood         Cloudy         Small Wave         CS6         Surface         1         1         1         08:50         20.2         7.79         23.6         6.72         2.47           TMCLKL         HY/2012/08         2014-04-07         Mid-Flood         Cloudy         Small Wave         CS6         Surface         1         1         2         08:50         20.1         7.78         23.6         6.72         2.47           TMCLKL         HY/2012/08         2014-04-07         Mid-Flood         Cloudy         Small Wave         CS6         Middle         6.4         2         1         08:50         20         7.78         24.9         6.52         1.96           TMCLKL         HY/2012/08         2014-04-07         Mid-Flood         Cloudy         Small Wave         CS6         Middle         6.4         2         2         08:50         20         7.77         24.9         6.48											2							2.4
TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS6         Surface         1         1         1         08:50         20.2         7.79         23.6         6.72         2.47           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS6         Surface         1         1         2         08:50         20.1         7.78         23.6         6.76         2.42           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS6         Middle         6.4         2         1         08:50         20         7.78         24.9         6.52         1.96           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS6         Middle         6.4         2         2         08:50         20         7.77         24.9         6.48         1.92           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS6         Bottom         12.8         3         1         08:50         20         7.78         25.3         6.38         2.41							_				1							2.4
TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS6         Surface         1         1         2         08:50         20.1         7.78         23.6         6.76         2.42           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS6         Middle         6.4         2         1         08:50         20         7.78         24.9         6.52         1.96           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS6         Middle         6.4         2         2         08:50         20         7.77         24.9         6.48         1.92           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS6         Bottom         12.8         3         1         08:50         20         7.78         25.3         6.38         2.41						_			21.8	3	2							2.6
TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS6 Middle         6.4         2         1 08:50         20 7.78         24.9         6.52         1.96           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS6 Middle         6.4         2         2 08:50         20 7.77         24.9         6.48         1.92           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS6 Bottom         12.8         3         1 08:50         20 7.78         25.3         6.38         2.41									1	1	1							2.8
TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS6 Middle         6.4         2         2 08:50         20 7.77         24.9         6.48         1.92           TMCLKL         HY/2012/08         2014-04-07 Mid-Flood         Cloudy         Small Wave         CS6 Bottom         12.8         3         1 08:50         20 7.78         25.3         6.38         2.41							-	_	1	1	2							3.4
TMCLKL HY/2012/08 2014-04-07 Mid-Flood Cloudy Small Wave CS6 Bottom 12.8 3 1 08:50 20 7.78 25.3 6.38 2.41										2	1							2.3
							-			2	2							2.4
TMCLKL  HY/2012/08   2014-04-07 Mid-Flood   Cloudy  Small Wave   CS6  Bottom   12.8  3  2  08:50  20  7.75  25.3  6.35  2.47		HY/2012/08 HY/2012/08			Cloudy	Small Wave	CS6 CS6	Bottom	12.8 12.8	3	1	08:50 08:50			25.3 25.3	6.38 6.35	2.41 2.47	2.5 4.2

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	IS12	Surface	1	1	1	10:47	20.3		23.6	6.57	1.89	4.3
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	IS12	Surface	1	1	2	10:47	20.3	7.82	23.6	6.54	1.95	4.1
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	IS12	Middle	7.3		1	10:47	20.2		25.2	6.43	2.46	3.7 3.2
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	IS12	Middle	7.3		2	10:47	20.2		25.1	6.47	2.41	3.2
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-07 2014-04-07		Cloudy Cloudy	Small Wave Small Wave	IS12 IS12	Bottom Bottom	13.6 13.6		1	10:47	20.1 20.1	7.83 7.83	25.3 25.2	6.39 6.36	2.51 2.49	2.8 2.3
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	IS13	Surface	13.0	1	1	10:47		7.81	23.7	6.7	2.49	2.5
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	IS13	Surface	1	1	2	10:28	20.3		23.7	6.74	2.4	2.7
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	IS13	Middle	8.7	2	1	10:28	20.2		25.1	6.53	2.34	2.9
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	IS13	Middle	8.7		2	10:28	20.1	7.81	25	6.5	2.3	2.7
TMCLKL	HY/2012/08	2014-04-07	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	16.4	3	1	10:28	20	7.82	25.2	6.5	2.69	3.2
TMCLKL	HY/2012/08	2014-04-07	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	16.4	3	2	10:28	20	7.82	25.1	6.48	2.65	2.9
TMCLKL	HY/2012/08	2014-04-07	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	1	11:06	20.2	7.82	23.7	6.61	2.04	3.1
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	IS14	Surface	1	1	2	11:06	20.1	7.82	23.7	6.58	2.08	3.1
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	IS14	Middle	8.1	2	1	11:06	20.1		25.1	6.37	2.53	2.3 2.7
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	IS14	Middle	8.1	2	2	11:06	20.1		25.2	6.34	2.47	2.7
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	IS14	Bottom	15.2		1	11:06	20		25.3	6.26	2.44	3.2 2.4
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	IS14	Bottom	15.2	3	2	11:06	20.1		25.2	6.22	2.4	2.4
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	IS15	Surface	1 1	1	1	10:10	20.3		23.7	6.72	2.12	3
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-07		Cloudy Cloudy	Small Wave Small Wave	IS15 IS15	Surface Middle	6.2	1		10:10	20.3 20.1	7.81 7.82	23.7 25.1	6.79 6.67	2.15 2.27	3.2 4.4
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	IS15	Middle	6.2		2	10.10	20.1		25.1	6.64	2.3	3 3
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	IS15	Bottom	11.4	3	1	10:10	20.1		25.2	6.49	2.36	3.3 3.4
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	IS15	Bottom	11.4	3	2	10:10	20.1		25.1	6.46	2.32	3.4
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	SR8	Surface	1	1	1	09:46	20.2		23.7	6.71	1.98	3.6 2.7
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	SR8	Surface	1	1	2	09:46	20.2		23.6	6.75	1.92	3.3
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	SR8	Middle		2	1	09:46					-	
TMCLKL	HY/2012/08	2014-04-07	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	2	09:46						
TMCLKL	HY/2012/08	2014-04-07	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.6	3	1	09:46	20.1	7.8	25.2	6.4	2.55	3.6
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	SR8	Bottom	4.6	3	2	09:46	20.1	7.8	25.2	6.44	2.59	2.3 2.5
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	SR9	Surface	1	1	1	09:58	20.3		23.7	6.68	2.21	2.5
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	SR9	Surface	1	1	2	09:58	20.3	7.82	23.7	6.65	2.27	2.2
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	SR9	Middle		2	1	09:58						
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	SR9	Middle	4.0	2	2	09:58	00.4	7.00	05.4	0.50	0.50	0.0
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	SR9	Bottom	4.8		1	09:58	20.1	7.82	25.1	6.58	2.53	2.6
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	SR9 SR10A	Bottom	4.8	3		09:58	20.1 20.2	7.82 7.8	25.1	6.54	2.47 2.14	2.6 2.5
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-07 2014-04-07		Cloudy Cloudy	Small Wave Small Wave	+	Surface Surface	1	1	1	09:19	20.2		23.6 23.5	6.69 6.66	2.14	2.5
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave		Middle	7.9	2	1	09:19	20.2	7.79	25.5	6.41	2.54	3.3
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	SR10A		7.9		2	09:19	20.1	7.78	25	6.38	2.5	
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave		Bottom	14.8		1	09:19	20.1	7.8	25.1	6.37	2.39	2.2 3.9
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave		Bottom	14.8		2	09:19	20.1	7.81	25.1	6.34	2.37	2.8
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	CS4	Surface	1	1	1	16:30	20.4		23.7	6.53	2.17	2.4
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	CS4	Surface	1	1	2	16:30	20.3		23.8	6.49	2.13	2.6
TMCLKL	HY/2012/08	2014-04-07	Mid-Ebb	Cloudy	Small Wave	CS4	Middle	11.1	2	1	16:30	20.2	7.88	25.3	6.31	2.73	2.3
TMCLKL	HY/2012/08	2014-04-07	Mid-Ebb	Cloudy	Small Wave	CS4	Middle	11.1	2	2	16:30	20.1	7.87	25.2	6.35	2.67	3.2
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	CS4	Bottom	21.2	3	1	16:30	20.1		25.4	6.22	2.83	4.1
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	CS4	Bottom	21.2	3	2	16:30	20		25.5	6.25	2.88	3.6
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	CS6	Surface	1	1	1	19:58		7.85	23.6	6.63	2.53	3
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	CS6	Surface	1 1	1	2	19:58	20.2		23.7	6.67	2.48	2.6
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	CS6	Middle	6.7		1	19:58	20.2		25	6.43	2.02	3.6
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	CS6	Middle	6.7	2	2	19:58	20.1		24.9	6.39	1.98	2.1
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	CS6	Bottom	12.4	3	1	19:58	20.1		25.3	6.29	2.47	4.1 2.5
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-07		Cloudy Cloudy	Small Wave Small Wave	CS6 IS12	Bottom Surface	12.4	3		19:58 17:22	20 20.3		25.4 23.6	6.26 6.48	2.53 1.95	2.5 4.1
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	IS12	Surface	1	1	1	17:22	20.3	7.88	23.7	6.45	2.01	3.6
TMCLKL	HY/2012/08	2014-04-07		Cloudy	Small Wave	IS12	Middle	71	2	1	17:22	20.4		25.2	6.34	2.52	2.4
INCLAL	JU11/5015/08	2014-04-07	เงแด-⊏ถถ	Liouay	Joinali wave	1012	Iwiidale	<u> </u>	2	1	17.22	20.2	7.89	25.2	0.34	2.52	2.4

TMCLKL HY/2012/08	3 20 3 20	014-04-07 Mi	d-Ebb	Cloudy	Small Wave	IS12 IS12 IS13 IS13 IS13 IS13 IS13 IS14 IS14 IS14 IS14 IS14 IS15 IS15 IS15	Middle Bottom Bottom Surface Surface Middle Middle Bottom Bottom Surface Surface Middle Bottom Surface Surface Middle Bottom Surface Surface Middle Surface Surface	7.1 13.2 13.2 1 1 8.4 8.4 15.8 15.8 17.9 7.9 14.8 14.8	2 3 3 1 1 2 2 2 3 3 1 1 2 2 2 3 3	2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	17:22 17:22 17:48 17:48 17:48 17:48 17:48 17:48 16:56 16:56 16:56 16:56	20.3 20.2 20.1 20.3 20.2 20.2 20.1 20 20.2 20.2 20.3 20.2 20.3	7.88 7.89 7.87 7.88 7.87 7.88 7.89 7.88 7.89 7.89	25.3 25.4 25.4 23.8 23.7 25.2 25.1 25.2 25.3 23.8 23.7 25.2 25.3	6.38 6.3 6.37 6.61 6.65 6.44 6.41 6.43 6.4 6.52 6.49 6.28 6.25 6.17	2.47 2.57 2.55 2.5 2.46 2.4 2.36 2.75 2.71 2.1 2.14 2.59 2.53	2.8 2.5 2.9 3.1 2.8 2.4 2.5 3.2 2.3 2.7 2.5 2.2 2.1
TMCLKL HY/2012/08	3 20 3 20	014-04-07 Mi	d-Ebb	Cloudy	Small Wave	IS12 IS13 IS13 IS13 IS13 IS13 IS14 IS14 IS14 IS14 IS14 IS15 IS15 IS15	Bottom Surface Surface Middle Middle Bottom Bottom Surface Middle Middle Bottom Surface Surface Middle Bottom Surface Surface Surface Surface Surface	13.2 1 8.4 8.4 15.8 15.8 1 7.9 7.9 14.8	3 1 1 2 2 3 3 3 1 1 1 2 2	1 2 1 2 1 2 1 2 1 2 1 2 1 2	17:22 17:48 17:48 17:48 17:48 17:48 16:56 16:56 16:56 16:56	20.1 20.3 20.2 20.2 20.1 20.1 20 20.2 20.3 20.2 20.1 20.2	7.9 7.87 7.88 7.87 7.88 7.89 7.88 7.87 7.89 7.88	25.4 23.8 23.7 25.2 25.1 25.2 25.3 23.8 23.7 25.2 25.3	6.37 6.61 6.65 6.44 6.41 6.43 6.4 6.52 6.49 6.28	2.55 2.5 2.46 2.4 2.36 2.75 2.71 2.1 2.14 2.59 2.53	2.9 3.1 2.8 2.4 2.5 3.2 2.3 2.7 2.5 2.2
TMCLKL HY/2012/08	3 20 3 20	014-04-07 Mi	d-Ebb	Cloudy	Small Wave	IS13 IS13 IS13 IS13 IS13 IS13 IS14 IS14 IS14 IS14 IS14 IS15 IS15 IS15	Surface Surface Middle Middle Bottom Bottom Surface Surface Middle Middle Bottom Bottom Surface	1 8.4 8.4 15.8 15.8 1 7.9 7.9	1 1 2 2 3 3 3 1 1 1 2 2 2	2 1 2 1 2 1 2 1 2 1 2 1 2	17:48 17:48 17:48 17:48 17:48 17:48 16:56 16:56 16:56 16:56	20.3 20.2 20.2 20.1 20.1 20 20.2 20.3 20.2 20.1 20.2	7.87 7.88 7.87 7.88 7.89 7.88 7.88 7.87 7.89	23.8 23.7 25.2 25.1 25.2 25.3 23.8 23.7 25.2 25.3	6.61 6.65 6.44 6.41 6.43 6.4 6.52 6.49 6.28	2.5 2.46 2.4 2.36 2.75 2.71 2.1 2.14 2.59 2.53	3.1 2.8 2.4 2.5 3.2 2.3 2.7 2.5 2.2
TMCLKL HY/2012/08	3 20 3 20	014-04-07 Mi 014-04-07 Mi	d-Ebb	Cloudy	Small Wave	IS13 IS13 IS13 IS13 IS13 IS14 IS14 IS14 IS14 IS14 IS15 IS15 IS15	Surface Middle Middle Bottom Bottom Surface Surface Middle Middle Bottom Bottom Surface Surface	8.4 15.8 15.8 1 1 7.9 7.9 14.8	2 3 3 1 1 2 2 2	1 2 1 2 1 2 1 2 1 2 1 2	17:48 17:48 17:48 17:48 17:48 16:56 16:56 16:56 16:56	20.2 20.2 20.1 20.1 20 20.2 20.3 20.2 20.1 20.2	7.88 7.87 7.88 7.89 7.88 7.88 7.87 7.89	23.7 25.2 25.1 25.2 25.3 23.8 23.7 25.2 25.3	6.65 6.44 6.41 6.43 6.4 6.52 6.49 6.28 6.25	2.46 2.4 2.36 2.75 2.71 2.1 2.14 2.59 2.53	2.8 2.4 2.5 3.2 2.3 2.7 2.5 2.2
TMCLKL HY/2012/08	3 20 3 20	014-04-07 Mi 014-04-07 Mi	d-Ebb	Cloudy	Small Wave	IS13 IS13 IS13 IS13 IS14 IS14 IS14 IS14 IS14 IS15 IS15	Middle Middle Bottom Bottom Surface Surface Middle Middle Bottom Bottom Surface Surface	8.4 15.8 15.8 1 1 7.9 7.9 14.8	2 3 3 1 1 2 2 2	2 1 2 1 2 1 2 1 2 1 2	17:48 17:48 17:48 17:48 16:56 16:56 16:56 16:56	20.2 20.1 20.1 20 20.2 20.3 20.2 20.1 20.2	7.87 7.88 7.89 7.88 7.88 7.87 7.89 7.88	25.2 25.1 25.2 25.3 23.8 23.7 25.2 25.3	6.44 6.41 6.43 6.4 6.52 6.49 6.28 6.25	2.4 2.36 2.75 2.71 2.1 2.14 2.59 2.53	2.4 2.5 3.2 2.3 2.7 2.5 2.2
TMCLKL HY/2012/08	3 20 3 20	014-04-07 Mi 014-04-07 Mi	d-Ebb	Cloudy	Small Wave	IS13 IS13 IS13 IS14 IS14 IS14 IS14 IS14 IS15 IS15	Middle Bottom Bottom Surface Surface Middle Middle Bottom Bottom Surface Surface	8.4 15.8 15.8 1 1 7.9 7.9 14.8	2 3 3 1 1 2 2 2	1 2 1 2 1 2 1 2 1 2	17:48 17:48 17:48 16:56 16:56 16:56 16:56	20.1 20.1 20 20.2 20.3 20.2 20.1 20.2	7.88 7.89 7.88 7.88 7.87 7.89 7.88	25.1 25.2 25.3 23.8 23.7 25.2 25.3	6.41 6.43 6.4 6.52 6.49 6.28 6.25	2.36 2.75 2.71 2.1 2.14 2.59 2.53	2.5 3.2 2.3 2.7 2.5 2.2
TMCLKL HY/2012/08	3 20 3 20	014-04-07 Mi 014-04-07 Mi	d-Ebb	Cloudy	Small Wave	IS13 IS13 IS14 IS14 IS14 IS14 IS14 IS15 IS15	Bottom Bottom Surface Surface Middle Middle Bottom Bottom Surface Surface	15.8 15.8 1 1 7.9 7.9 14.8	3 3 1 1 2 2 2 3	2 1 2 1 2 1 2 1 2	17:48 17:48 16:56 16:56 16:56 16:56 16:56	20.1 20 20.2 20.3 20.2 20.1 20.2	7.89 7.88 7.88 7.87 7.89 7.88	25.2 25.3 23.8 23.7 25.2 25.3	6.43 6.4 6.52 6.49 6.28 6.25	2.75 2.71 2.1 2.14 2.59 2.53	3.2 2.3 2.7 2.5 2.2
TMCLKL HY/2012/08	3 20 3 20	014-04-07 Mi 014-04-07 Mi	d-Ebb	Cloudy	Small Wave	IS13 IS14 IS14 IS14 IS14 IS14 IS15 IS15 IS15	Bottom Surface Surface Middle Middle Bottom Bottom Surface Surface	15.8 1 1 7.9 7.9 14.8	3 1 1 2 2 2 3	1 2 1 2 1 2 1 2	17:48 16:56 16:56 16:56 16:56	20 20.2 20.3 20.2 20.1 20.2	7.88 7.87 7.89 7.88	25.3 23.8 23.7 25.2 25.3	6.4 6.52 6.49 6.28 6.25	2.71 2.1 2.14 2.59 2.53	2.3 2.7 2.5 2.2
TMCLKL HY/2012/08	3 20 3 20	014-04-07 Mi 014-04-07 Mi	d-Ebb	Cloudy	Small Wave	IS14 IS14 IS14 IS14 IS14 IS15 IS15 IS15	Surface Surface Middle Middle Bottom Bottom Surface Surface	1 7.9 7.9 14.8	1 1 2 2 2 3	2 1 2 1 2 1 2	16:56 16:56 16:56 16:56 16:56	20.2 20.3 20.2 20.1 20.2	7.88 7.87 7.89 7.88	23.8 23.7 25.2 25.3	6.52 6.49 6.28 6.25	2.1 2.14 2.59 2.53	2.7 2.5 2.2
TMCLKL HY/2012/08	3 20 3 20	014-04-07 Mi 014-04-07 Mi	d-Ebb	Cloudy	Small Wave	IS14 IS14 IS14 IS14 IS15 IS15 IS15	Surface Middle Middle Bottom Bottom Surface Surface	7.9 14.8	2	1 2 1 2 1 2	16:56 16:56 16:56 16:56	20.3 20.2 20.1 20.2	7.87 7.89 7.88	23.7 25.2 25.3	6.49 6.28 6.25	2.14 2.59 2.53	2.5 2.2
TMCLKL HY/2012/08	3 20 3 20	014-04-07 Mi 014-04-07 Mi	d-Ebb	Cloudy	Small Wave	IS14 IS14 IS14 IS14 IS15 IS15	Middle Middle Bottom Bottom Surface Surface	7.9 14.8	2	2 1 2 1 2	16:56 16:56 16:56	20.2 20.1 20.2	7.89 7.88	25.2 25.3	6.28 6.25	2.59 2.53	2.2
TMCLKL HY/2012/08	3 20 3 20 3 20 3 20 3 20 3 20 3 20 3 20	014-04-07 Mi 014-04-07 Mi	d-Ebb	Cloudy	Small Wave Small Wave Small Wave Small Wave Small Wave Small Wave Small Wave	IS14 IS14 IS14 IS15 IS15 IS15	Middle Bottom Bottom Surface Surface	7.9 14.8	2	1 2 1 2	16:56 16:56	20.1 20.2	7.88	25.3	6.25	2.53	
TMCLKL HY/2012/08	3 20 3 20	014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi	d-Ebb	Cloudy	Small Wave Small Wave Small Wave Small Wave Small Wave Small Wave	IS14 IS14 IS15 IS15 IS15	Bottom Bottom Surface Surface	14.8	3	2 1 2	16:56	20.2					2.11
TMCLKL HY/2012/08	3 20 3 20	014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi	d-Ebb	Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy	Small Wave Small Wave Small Wave Small Wave Small Wave	IS14 IS15 IS15 IS15	Bottom Surface Surface			1 2			7.88		61/1		
TMCLKL HY/2012/08	3 20 3 20 3 20 3 20 3 20 3 20 3 20 3 20	014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi	d-Ebb d-Ebb d-Ebb d-Ebb d-Ebb d-Ebb d-Ebb d-Ebb d-Ebb	Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy	Small Wave Small Wave Small Wave Small Wave	IS15 IS15 IS15	Surface Surface	14.8	3 1	2	16:561			25.4		2.5	3.5
TMCLKL HY/2012/08	3 20 3 20 3 20 3 20 3 20 3 20 3 20 3 20	014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi	d-Ebb d-Ebb d-Ebb d-Ebb d-Ebb d-Ebb d-Ebb d-Ebb	Cloudy Cloudy Cloudy Cloudy Cloudy	Small Wave Small Wave Small Wave	IS15 IS15	Surface	1	11			20.1	7.89	25.3	6.13	2.46	2.1
TMCLKL HY/2012/08	3 20 3 20 3 20 3 20 3 20 3 20 3 20 3 20	014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi	d-Ebb d-Ebb d-Ebb d-Ebb d-Ebb d-Ebb d-Ebb	Cloudy Cloudy Cloudy Cloudy	Small Wave Small Wave	IS15		4 '		1	18:14	20.3		23.8	6.63	2.18	2.8
TMCLKL HY/2012/08	3 20 3 20 3 20 3 20 3 20 3 20 3 20	014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi	d-Ebb d-Ebb d-Ebb d-Ebb d-Ebb d-Ebb	Cloudy Cloudy Cloudy	Small Wave			- 1	1	2	18:14	20.4	7.86	23.8	6.6	2.21	2.9
TMCLKL HY/2012/08	3 20 3 20 3 20 3 20 3 20 3 20	014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi	d-Ebb d-Ebb d-Ebb d-Ebb	Cloudy Cloudy		1076	Middle	5.8	2	1	18:14	20.1	7.88	25.2	6.58	2.33	2.7
TMCLKL HY/2012/08	3 20 3 20 3 20 3 20 3 20	014-04-07 Mi 014-04-07 Mi 014-04-07 Mi 014-04-07 Mi	d-Ebb d-Ebb d-Ebb d-Ebb	Cloudy	Small wave		Middle	5.8	2	2	18:14	20.2	7.87	25.1	6.55	2.36	4.4
TMCLKL HY/2012/08	3 20 3 20 3 20 3 20	014-04-07 Mi 014-04-07 Mi 014-04-07 Mi	d-Ebb d-Ebb d-Ebb		10 11 14/	IS15	Bottom	10.6	3	1	18:14	20.2	7.88	25.3	6.4	2.42	3.2
TMCLKL HY/2012/08	3 20 3 20 3 20	014-04-07 Mi 014-04-07 Mi	d-Ebb d-Ebb	Cloudy	Small Wave	IS15	Bottom	10.6	3	2	18:14	20.1	7.89	25.2	6.37	2.38	3
TMCLKL HY/2012/08	3 20 3 20	014-04-07 Mi	d-Ebb		Small Wave	SR8	Surface	1	1	1	19:06	20.3	7.87	23.7	6.62	2.04	3.4
TMCLKL HY/2012/08	3 20			Cloudy	Small Wave	SR8	Surface	1	1	2	19:06	20.2	7.86	23.8	6.66	1.98	2.9
TMCLKL HY/2012/08		U14-U4-U7  WI	and the fact of th	Cloudy	Small Wave	SR8	Middle		2	1	19:06						
TMCLKL HY/2012/08	^^			Cloudy	Small Wave	SR8	Middle	4.4	2	2	19:06	00.0	7.00	05.0	0.04	0.04	4.0
TMCLKL HY/2012/08		014-04-07 Mi		Cloudy	Small Wave	SR8	Bottom	4.4	3	1	19:06	20.2	7.86	25.2	6.31	2.61	4.2
TMCLKL HY/2012/08		014-04-07 Mi		Cloudy	Small Wave	SR8	Bottom	4.4	3	2	19:06	20.1	7.86	25.3	6.35	2.65	3.8
TMCLKL HY/2012/08		014-04-07 Mi 014-04-07 Mi		Cloudy	Small Wave	SR9	Surface	1	1	1	18:40	20.4		23.7	6.59	2.27	3
TMCLKL HY/2012/08		014-04-07 Mi 014-04-07 Mi		Cloudy	Small Wave Small Wave	SR9 SR9	Surface Middle	<u> </u>	1		18:40 18:40	20.3	7.88	23.8	6.56	2.33	2.2
TMCLKL HY/2012/08		014-04-07 Mi		Cloudy Cloudy	Small Wave	SR9	Middle		2	1	18:40		-				
TMCLKL HY/2012/08		014-04-07 Mi		Cloudy	Small Wave	SR9	Bottom	4.2	2		18:40	20.1	7.88	25.2	6.49	2.59	2.8
TMCLKL HY/2012/08		014-04-07 Mi		Cloudy	Small Wave	SR9	Bottom	4.2	3	2	18:40	20.1		25.2	6.45	2.53	5.2
TMCLKL HY/2012/08		014-04-07 Mi			Small Wave	SR10A	Surface	4.2	3	- 4	19:32	20.2		23.7	6.6	2.33	3.7
TMCLKL HY/2012/08		014-04-07 Mi		Cloudy Cloudy	Small Wave	+	Surface	1	1	1	19:32	20.3	7.87	23.6	6.57	2.16	3.7
TMCLKL HY/2012/08		014-04-07 Mi		Cloudy	Small Wave		Middle	7.6	2		19:32	20.2	7.85	25.0	6.32	2.6	2.4
TMCLKL HY/2012/08 TMCLKL HY/2012/08 TMCLKL HY/2012/08 TMCLKL HY/2012/08 TMCLKL HY/2012/08 TMCLKL HY/2012/08		014-04-07 Mi		Cloudy	Small Wave	SR10A	Middle	7.6	2	2	19:32	20.1	7.84	25.1	6.29	2.56	3.5
TMCLKL HY/2012/08 TMCLKL HY/2012/08 TMCLKL HY/2012/08 TMCLKL HY/2012/08 TMCLKL HY/2012/08		014-04-07 Mi		Cloudy	Small Wave	SR10A	Bottom	14.2	3	1	19:32	20.2	7.86	25.1	6.28	2.45	2.8
TMCLKL HY/2012/08 TMCLKL HY/2012/08 TMCLKL HY/2012/08 TMCLKL HY/2012/08		014-04-07 Mi		Cloudy	Small Wave		Bottom	14.2	3	2	19:32	20.2	7.87	25.2	6.25	2.43	2.0
TMCLKL HY/2012/08 TMCLKL HY/2012/08 TMCLKL HY/2012/08		014-04-07 Mi 014-04-09 Mi		Fine	Small Wave	CS4	Surface	14.2	1	<u> </u>	15:10	20.1	7.92	20.6	6.37	4.03	2.1
TMCLKL HY/2012/08 TMCLKL HY/2012/08		014-04-09 Mi		Fine	Small Wave	CS4	Surface	1	1	2	15:10	20.5	7.93	20.6	6.39	4.01	2.1
TMCLKL HY/2012/08		014-04-09 Mi		Fine	Small Wave	CS4	Middle	11.3	2	1	15:10	20.4	7.96	20.7	6.26	4.18	2.4
		014-04-09 Mi		Fine	Small Wave	CS4	Middle	11.3	2	2	15:10	20.4	7.94	20.8	6.2	4.12	3.6
		014-04-09 Mi		Fine	Small Wave	CS4	Bottom	21.6	3	1	15:10	20.4	7.97	20.8	6.44	3.99	2.3
TMCLKL HY/2012/08		014-04-09 Mi		Fine	Small Wave	CS4	Bottom	21.6	3	2	15:10	20.3	7.98	20.9	6.41	3.91	3.8
TMCLKL   HY/2012/08		014-04-09 Mi		Fine	Small Wave	CS6	Surface	1	1	1	12:08	20.5	7.99	20.6	6.49	4.47	3.1
TMCLKL   HY/2012/08		014-04-09 Mi		Fine	Small Wave	CS6	Surface	1	1	2	12:08	20.5	7.98	20.7	6.44	4.44	3.5
TMCLKL HY/2012/08		014-04-09 Mi		Fine	Small Wave	CS6	Middle	7	2	1	12:08	20.3	7.89	20.8	6.37	4.74	2.7
TMCLKL   HY/2012/08	3 I 20	014-04-09 Mi		Fine	Small Wave	CS6	Middle	7	2	2	12:08	20.3	7.09	20.8	6.31	4.78	2.7
TMCLKL   HY/2012/08		014-04-09 Mi		Fine	Small Wave	CS6	Bottom	13	3	1	12:08	20.4	7.94	20.8	6.14	4.93	2.4
TMCLKL HY/2012/08	3 20	014-04-09 Mi		Fine	Small Wave	CS6	Bottom	13	3	2	12:08	20.3		20.9	6.18	4.99	2.9
TMCLKL   HY/2012/08	3 20 3 20	014-04-09 Mi		Fine	Small Wave	IS12	Surface	13	1	1	14:26	20.5	7.9	20.6	6.26	4.01	2.7
TMCLKL   HY/2012/08	3 20 3 20 3 20			Fine	Small Wave	IS12	Surface	1	1	2	14:26	20.3	7.98	20.7	6.28	4.09	2.7
TMCLKL   HY/2012/08	3 20 3 20 3 20 3 20	014-04-0alk/i		Fine	Small Wave	IS12	Middle	7.4	2	1	14:26	20.4	7.91	20.7	6.19	3.99	3.8
TMCLKL   HY/2012/08	3 20 3 20 3 20 3 20 3 20	014-04-09 Mi 014-04-09 Mi		Fine	Small Wave	IS12	Middle	7.4	2	2	14:26	20.3		20.8	6.16	3.94	2.4
TMCLKL HY/2012/08	3 20 3 20 3 20 3 20 3 20 3 20	014-04-09 Mi	a i 100u	Fine	Small Wave	IS12	Bottom	13.8	3	1	14:26	20.4	7.94	20.8	6.08	4.15	<u> </u>
TMCLKL  HY/2012/08	3 20 3 20 3 20 3 20 3 20 3 20 3 20				Small Wave					1	14:26		7.94			4.13	2.5

TRICKIEN   MY201209   2014-04-000 MeF Peach   Fine   Small Wave   St. 3 Surface   1   1   1   1450   203   7.99   204   0.2   6.2   4.37	oject Wo	/orks	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TRUCKIEL   PV201208   2014-04-09   Mat-Flood   Fine   Small Wave   B11   Motible   6,8   2   1   14:03   20.4   7:88   20.6   6,08   4.78   TRUCKIEL   PV201208   2014-04-09   Mat-Flood   Fine   Small Wave   B11   Motible   6,8   2   2   14:03   20.4   7:88   20.6   6,08   4.78   TRUCKIEL   PV201208   2014-04-09   Mat-Flood   Fine   Small Wave   B11   Motible   6,8   2   2   14:03   20.3   1.0   20.5   5									1	1	1							2.7 2.1
TMCLKL HY201208 2014-0-09 Med Flood Fine Small Wave 1813 Medide 8.9 2 2 14-03 20.3 8.0 20.8 6.06 4.78   TMCLKL HY201208 2014-0-09 Med Flood Fine Small Wave 1813 Bottom 10.8 3 114-03 20.3 8.0 20.8 6.05 6.05   TMCLKL HY201208 2014-0-09 Med Flood Fine Small Wave 1813 Bottom 10.8 3 114-03 20.3 8.0 20.8 6.05 6.05   TMCLKL HY201208 2014-0-09 Med Flood Fine Small Wave 1814 Medide 8.0 2 2 114-03 20.7 6.0 20.8 6.00 6.00   TMCLKL HY201208 2014-0-09 Med Flood Fine Small Wave 1814 Medide 8.0 2 2 1 114-09 20.7 6.0 20.9 6.00 6.0 4.4 6.0   TMCLK HY201208 2014-0-09 Med Flood Fine Small Wave 1814 Medide 8.0 2 2 1 114-09 20.0 7.0 20.0 6.0 6.0 4.4 6.0   TMCLK HY201208 2014-0-09 Med Flood Fine Small Wave 1814 Medide 8.0 2 2 1 114-09 20.0 7.0 20.0 6.0 6.4 3   TMCLK HY201208 2014-0-09 Med Flood Fine Small Wave 1814 Medide 8.0 2 2 1 114-09 20.0 7.0 20.0 6.0 6.4 3   TMCLK HY201208 2014-0-09 Med Flood Fine Small Wave 1814 Medide 8.0 2 2 1 114-09 20.0 7.0 20.0 6.0 6.4 3   TMCLK HY201208 2014-0-09 Med Flood Fine Small Wave 1814 Medide 8.0 2 2 1 114-09 20.0 7.0 20.0 6.0 6.4 4.3   TMCLK HY201208 2014-0-09 Med Flood Fine Small Wave 1814 Medide 8.0 2 2 1 114-09 20.0 7.0 20.0 6.0 6.4 4.3   TMCLK HY201209 2014-0-09 Med Flood Fine Small Wave 1814 Medide 8.0 2 2 1 114-09 20.0 7.0 20.0 6.0 6.4 4.0   TMCLK HY201200 2014-0-09 Med Flood Fine Small Wave 1814 Medide 8.0 2 2 1 114-09 20.0 7.0 2.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5						<u> </u>	_		1	1	2							2.1
TROLICAL   MY201208   2014-04-09   MM F F000d   Fine   Small Wave   S11   Solution   1.6 m   3											1							3.2 3.8
FROLIA							_	+			2							3.8
								1			1			δ.01				
TRACKER   MY201208   2014-04-09   Mod-Proof   Fine   Small Wave   IS14   Middle   0.2   2   114-09   20.5   7.93   20.6   6.2   4.29									10.0	1	1	-		7 9/1				2.5
TMCLIK, HY/201208   2014-04-09 [Mot Flow]   Fine   Small Wave   IS14   Models   8.2   2   1.449   20.4   7.98   20.7   6.02   4.4   3.4							_	<del> </del>	1	1	2							
Tricking   My201208   2014-04-09   Mod-Plood   Fine   Small Wave   ISH   Modele   8.2   2   2   14-49   20.3   7.96   20.7   6.08   4.3									8.2	2	1							3.9
TRUCKIE, HY201208   2014-04-09 Mid-Flood   Fine   Small Wave   S14   Buttom   15-4   3   1   14-40   20.3   7.96   20.8   6.95   4.37							_				2							
TMCLK, HY/201208   2014-04-09 Md-Flood   Fine   Small Wave   S15   Surface   1   1   1   13-40   20.4   7.98   20.7   6.42   4.11	CLKL HY	Y/2012/08	2014-04-09	Mid-Flood	Fine	Small Wave	IS14		15.4	3	1	14:49	20.3	7.95	20.8	5.95	4.37	2.2
TMCLIK   MY2012/08   2014-04-09 [Mid-Flood   Fine   Small Wave   IS15   Sufface   1   1   2   13-40   20.5 7.99   20.6   6.46   4.14	CLKL HY	Y/2012/08	2014-04-09	Mid-Flood	Fine	Small Wave	IS14	Bottom	15.4	3	2	14:49	20.3	7.96	20.8	5.97	4.32	2.2
TMCLIK   HY201208	CLKL HY	Y/2012/08	2014-04-09	Mid-Flood	Fine	Small Wave	IS15	Surface	1	1	1	13:40	20.4	7.98	20.7	6.42	4.1	2.5
TMCLIK   HY201208   2014-04-09   Mid-Flood   Fine   Small Wave   1516   Bottom   11.8   3   13.40   20.3 7.98   20.8   6.1   4.29							+		1	1	2	13:40						
TMCLICH   HY/2012/08   2014-04-09   Mid-Flood   Fine   Small Wave   IS15   Soltom   11.8   3   1   1340   20.3   7.9F   20.8   6.04   4.04   Mid-Flood   Fine   Small Wave   IS15   Soltom   11.8   3   2   1340   20.3   7.9F   20.8   6.01   4.04   Mid-Flood   Fine   Small Wave   SR8   Surface   1   1   12.54   20.4   7.98   20.7   6.45   4.99   TMCLICH   HY/2012/08   2014-04-09   Mid-Flood   Fine   Small Wave   SR8   Surface   1   1   12.54   20.4   7.98   20.7   6.45   4.99   TMCLICH   HY/2012/08   2014-04-09   Mid-Flood   Fine   Small Wave   SR8   Surface   1   1   12.54   20.4   7.9   20.6   6.38   4.94   Mid-Flood   Fine   Small Wave   SR8   Surface   1   1   12.54   20.4   7.9   20.6   6.38   4.94   Mid-Flood   Fine   Small Wave   SR8   Middle   2   17.54   20.4   7.9   20.6   6.19   4.57   Mid-Flood   Fine   Small Wave   SR8   Surface   1   1   12.54   20.4   7.9   20.6   6.19   4.57   Mid-Flood   Fine   Small Wave   SR8   Surface   1   1   12.54   20.3   7.54   20.9   6.19   4.57   Mid-Flood   Fine   Small Wave   SR8   Surface   1   1   13.77   20.5   7.96   20.7   6.57   4.08   Mid-Flood   Fine   Small Wave   SR8   Surface   1   1   13.77   20.5   7.96   20.7   6.57   4.08   Mid-Flood   Fine   Small Wave   SR8   Surface   1   1   13.77   20.5   7.96   20.7   6.57   4.08   Mid-Flood   Fine   Small Wave   SR8   Surface   1   1   13.77   20.5   7.97   20.6   6.51   4.4   4.04   Mid-Flood   Fine   Small Wave   SR8   Surface   1   1   13.77   20.5   7.97   20.6   6.51   4.4   4.04   Mid-Flood   Fine   Small Wave   SR8   Surface   1   1   13.77   20.5   7.97   20.6   6.51   4.4   4.04   Mid-Flood   Fine   Small Wave   SR8   Surface   1   1   13.77   20.5   7.97   20.6   6.51   4.4   4.04   Mid-Flood   Fine   Small Wave   SR9   Surface   1   1   13.77   20.5   7.97   20.6   6.51   4.3   4.0   4.0   Mid-Flood   Fine   Small Wave   SR0   Surface   1   1   13.77   20.5   7.97   20.6   6.51   4.3   4.0   4.0   Mid-Flood   Fine   Small Wave   SR10A   Surface   1   1   12.31   20.4   7.93   20.7   6.5   4.4   4.0							_		<del> </del>		1	+ +						2.1
TMCLKL   HY/201208   2014-04-09   Mid-Flood   Fine   Small Wave   IS15   Bottom   11.8   3   2   13.40   20.3   7.97   20.8   6.01   4.04							-	+			2	+ +						2.4
TMCLICAL   HY201208   2014-04-09   Mid-Flood   Fine   Small Wave   SR8   Surface   1   1   1   12-54   20.4 7.96   20.7   6.45   4.99							_	+			1	+ +						
TMCLKL   HY/201208   2014-04-09   Mid-Flood   Fine   Small Wave   SR8   Middle   2   1   1.254   2.04   7.9   2.05   6.38   4.94									11.8	3	2							
TMCLKL   HY/201208   2014-04-09   Mid-Flood   Fine   Small Wave   SR8   Middle   2   1   12.54									1 1	1	1							4.2
TMCLKL   HY/201208   2014-04-09 Mid-Flood   Fine   Small Wave   SR8   Middle   2   2   12:54   20.3   7.94   20.9   6.19   4.57							-			1			20.4	7.9	20.6	0.38	4.94	4.2
TMCLKL   HY/2012/08   2014-04-09 Mid-Flood   Fine   Small Wave   SR8   Bottom   4.8   3   1   12-54   20.3   7.94   20.9   6.19   4.57										2	2							
TMCLKL   HY/2012/08   2014-04-09 Mid-Flood   Fine   Small Wave   SR8   Bottom   4.8   3   2   12-54   20.3   7.95   20.9   6.14   4.53									4.8	3	1		20.3	7 94	20.9	6 19	4 57	3.2
TMCLKL   HY/2012/08   2014-04-09   Mid-Flood   Fine   Small Wave   SR9   Surface   1   1   2   13:17   20.5   7.96   20.7   6.57   4.06   Mid-Flood   Fine   Small Wave   SR9   Middle   2   1   13:17   20.5   7.97   20.6   6.57   4.06   Mid-Flood   Fine   Small Wave   SR9   Middle   2   2   13:17   20.5   7.96   20.7   6.57   4.06   Mid-Flood   Fine   Small Wave   SR9   Middle   2   2   2   23:17							_	<del> </del>			2							
TMCLKL   HY/Z012/08   2014-04-09 Mid-Flood   Fine   Small Wave   SR9   Sufface   1   1   2   13:17   20.5   7.97   20.6   6.51   4   TMCLKL   HY/Z012/08   2014-04-09 Mid-Flood   Fine   Small Wave   SR9   Middle   2   1   13:17   2   1   2   1   2   1   2   1   2   1   2   1   2   1   2   1   2   2									1	1	1	-						
TMCLKL   HY/2012/08   2014-04-09 Mid-Flood   Fine   Small Wave   SR9   Middle   2   2   13:17									1	1	2						4	4.5
TMCLKL   HY/2012/08   2014-04-09   Mid-Flood   Fine   Small Wave   SR9   Bottom   4.6   3   1   13:17   20.3   7.96   20.8   6.14   4.34										2	1							
TMCLKL   HY/2012/08   2014-04-09 Mid-Flood   Fine   Small Wave   SR 9   Bottom   4.6   3   2   13:17   20.3   7.97   20.8   6.18   4.31		Y/2012/08	2014-04-09	Mid-Flood	Fine		SR9	Middle		2	2	13:17						
TMCLKL   HY/2012/08   2014-04-09   Mid-Flood   Fine   Small Wave   SR10A   Surface   1   1   1   12:31   20.5   7.94   20.7   6.53   4.63	CLKL HY	Y/2012/08	2014-04-09	Mid-Flood	Fine	Small Wave	SR9	Bottom	4.6	3	1	13:17	20.3	7.96	20.8	6.14	4.34	3
TMCLKL   HY/2012/08   2014-04-09   Mid-Flood   Fine   Small Wave   SR10A   Surface   1   1   2   12:31   20.4   7.93   20.7   6.59   4.60	CLKL HY	Y/2012/08	2014-04-09	Mid-Flood	Fine	Small Wave	SR9	Bottom	4.6	3	2	13:17	20.3	7.97	20.8	6.18	4.31	3.7
TMCLKL   HY/2012/08   2014-04-09   Mid-Flood   Fine   Small Wave   SR10A   Middle   8   2   1   12:31   20.4   7.96   20.8   6.26   4.27									1	1	1							
TMCLKL   HY/2012/08   2014-04-09   Mid-Flood   Fine   Small Wave   SR10A   Middle   8   2   2   12:31   20.4   7.97   20.7   6.2   4.22						-			1	1	2							2.7
International Control   Inte									8	2	1							3.4
TMCLKL   HY/2012/08   2014-04-09   Mid-Flood   Fine   Small Wave   SR10A   Bottom   15   3   2   12:31   20.3   7.91   20.9   6.01   4.01							<del>                                     </del>		8	2	2							2.5
TMCLKL   HY/2012/08   2014-04-09   Mid-Ebb   Cloudy   Small Wave   CS4   Surface   1   1   1   09:08   20.5   7.97   20.7   6.3   4.46						+	+	+			1							4.6
TMCLKL   HY/2012/08   2014-04-09   Mid-Ebb   Cloudy   Small Wave   CS4   Surface   1   1   2   09:08   20.5   7.99   20.7   6.34   4.45									15	3								3.3 3.4
TMCLKL   HY/2012/08   2014-04-09   Mid-Ebb   Cloudy   Small Wave   CS4   Middle   11   2   1   09:08   20.4   7.95   20.7   6.06   4.07									1	1	1	+ +						
TMCLKL   HY/2012/08   2014-04-09   Mid-Ebb   Cloudy   Small Wave   CS4   Middle   11   2   2   2   09:08   20.4   7.94   20.8   6.09   4.08					<del></del>				11	2	1							
TMCLKL										2	2							
TMCLKL         HY/2012/08         2014-04-09         Mid-Ebb         Cloudy         Small Wave         CS4         Bottom         21         3         2         09:08         20.3         7.9         20.8         5.93         4.24           TMCLKL         HY/2012/08         2014-04-09         Mid-Ebb         Cloudy         Small Wave         CS6         Surface         1         1         1 0:25         20.5         7.99         20.7         6.5         4.1           TMCLKL         HY/2012/08         2014-04-09         Mid-Ebb         Cloudy         Small Wave         CS6         Surface         1         1         1 0:25         20.5         7.99         20.7         6.54         4.14           TMCLKL         HY/2012/08         2014-04-09         Mid-Ebb         Cloudy         Small Wave         CS6         Middle         6.8         2         1         1 0:25         20.4         8.01         20.8         6.09         4.06           TMCLKL         HY/2012/08         2014-04-09         Mid-Ebb         Cloudy         Small Wave         CS6         Bottom         12.6         3         1 10:25         20.4         8         20.9         5.98         4.44           TMCLKL										3	1							
TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         CS6         Surface         1         1         1 0:25         20.5         7.99         20.7         6.5         4.1           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         CS6         Surface         1         1         2 10:25         20.5         7.98         20.7         6.54         4.14           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         CS6         Middle         6.8         2         1 10:25         20.4         8.01         20.8         6.09         4.06           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         CS6         Middle         6.8         2         2 10:25         20.4         8.01         20.8         6.06         4           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         CS6         Bottom         12.6         3         1 10:25         20.3         8         20.9         5.98         4.44           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>_</td><td></td><td></td><td>3</td><td>2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							_			3	2							
TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         CS6         Surface         1         1         2         10:25         20.5         7.98         20.7         6.54         4.14           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         CS6         Middle         6.8         2         1         10:25         20.4         8.01         20.8         6.09         4.06           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         CS6         Middle         6.8         2         1 10:25         20.4         8         20.8         6.06         4           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         CS6         Bottom         12.6         3         1 10:25         20.3         8         20.9         5.98         4.44           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         CS6         Bottom         12.6         3         2 10:25         20.3         8         20.9         5.98         4.41           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy									1	1	1							4.2
TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         CS6         Middle         6.8         2         2 10:25         20.4         8         20.8         6.06         4           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         CS6         Bottom         12.6         3         1 10:25         20.3         8         20.9         5.98         4.44           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         CS6         Bottom         12.6         3         2 10:25         20.3         7.99         20.8         5.92         4.41           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12         Surface         1         1         1         09:28         20.5         7.92         20.7         6.59         4.1           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12         Surface         1         1         2         09:28         20.5         7.91         20.7         6.54         4.16           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy	CLKL HY	Y/2012/08	2014-04-09	Mid-Ebb		-	CS6	Surface	1	1	2		20.5				4.14	
TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         CS6         Bottom         12.6         3         1 10:25         20.3         8         20.9         5.98         4.44           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         CS6         Bottom         12.6         3         2 10:25         20.3         7.99         20.8         5.92         4.41           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12         Surface         1         1         1 09:28         20.5         7.92         20.7         6.59         4.1           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12         Surface         1         1         2 09:28         20.5         7.91         20.7         6.59         4.16           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12         Middle         7.1         2         1 09:28         20.4         7.94         20.8         6.45         4.69           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave	CLKL HY	Y/2012/08	2014-04-09	Mid-Ebb	Cloudy	Small Wave	CS6	Middle	6.8	2	1	10:25	20.4	8.01	20.8	6.09	4.06	
TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         CS6         Bottom         12.6         3         2 10:25         20.3         7.99         20.8         5.92         4.41           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12         Surface         1         1         1         09:28         20.5         7.92         20.7         6.59         4.1           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12         Surface         1         1         2         09:28         20.5         7.91         20.7         6.54         4.16           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12         Middle         7.1         2         1         09:28         20.4         7.94         20.8         6.45         4.69           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12         Bottom         13.2         3         1         09:28         20.3         7.96         20.8         6.41         4.66           TMCLKL         HY/2012/08         2014-	CLKL HY	Y/2012/08	2014-04-09	Mid-Ebb	Cloudy	Small Wave	CS6	Middle	6.8	2	2	10:25	20.4	8	20.8	6.06	4	2.9
TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12         Surface         1         1         1         09:28         20.5         7.92         20.7         6.59         4.1           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12         Surface         1         1         2         09:28         20.5         7.91         20.7         6.54         4.16           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12         Middle         7.1         2         1         09:28         20.4         7.94         20.8         6.45         4.69           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12         Middle         7.1         2         2         09:28         20.3         7.96         20.8         6.41         4.66           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12         Bottom         13.2         3         1         09:28         20.3         7.99         20.8         6.03         4.38           TMCLKL         HY/2012/08	CLKL HY	Y/2012/08	2014-04-09	Mid-Ebb	Cloudy		_	Bottom	12.6	3	1	10:25		8	20.9	5.98	4.44	
TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12         Surface         1         1         2         09:28         20.5         7.91         20.7         6.54         4.16           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12         Middle         7.1         2         1         09:28         20.4         7.94         20.8         6.45         4.69           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12         Middle         7.1         2         2         09:28         20.3         7.96         20.8         6.41         4.66           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12         Bottom         13.2         3         1         09:28         20.2         7.98         20.8         6.03         4.38           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12         Bottom         13.2         3         1         09:28         20.3         7.99         20.8         6.03         4.38									12.6	3	2							2.7
TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12 Middle         7.1         2         1         09:28         20.4         7.94         20.8         6.45         4.69           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12 Middle         7.1         2         2         09:28         20.3         7.96         20.8         6.41         4.66           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12 Bottom         13.2         3         1         09:28         20.2         7.98         20.8         6.03         4.38           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12 Bottom         13.2         3         2         09:28         20.3         7.99         20.8         6.03         4.38									1	1	1							2.3 2.8
TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12 Middle         7.1         2         2 09:28         20.3         7.96         20.8         6.41         4.66           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12 Bottom         13.2         3         1 09:28         20.2         7.98         20.8         6         4.38           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12 Bottom         13.2         3         2 09:28         20.3         7.99         20.8         6.03         4.3							_		1 1	1	2							
TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12         Bottom         13.2         3         1         09:28         20.2         7.98         20.8         6         4.38           TMCLKL         HY/2012/08         2014-04-09 Mid-Ebb         Cloudy         Small Wave         IS12         Bottom         13.2         3         2         09:28         20.3         7.99         20.8         6.03         4.3										2	1							
TMCLKL HY/2012/08 2014-04-09 Mid-Ebb Cloudy Small Wave IS12 Bottom 13.2 3 2 09:28 20.3 7.99 20.8 6.03 4.3								<del>1</del>		2	2					6.41		
									i		1					6 02		
ITHIVERE ITT/2012/00   2014-04-03HINIU-EDD   CIQUUV TƏHTALI WAVE I TƏTƏ TƏHTACE I TI TI TI UM.ƏNI ZUƏL MIL ZUZL MƏT MƏN AZƏL									13.2	3		-						
TMCLKL HY/2012/08 2014-04-09 Mid-Ebb Cloudy Small Wave IS13 Surface 1 1 2 09:38 20.5 7.92 20.6 6.24 3.73									1	1	1							
TMCLKL HY/2012/08 2014-04-09 Mid-Ebb Cloudy Small Wave IS13 Surface I 1 09:38 20.5 7.92 20.6 6.24 3.75 TMCLKL HY/2012/08 2014-04-09 Mid-Ebb Cloudy Small Wave IS13 Middle 8.4 2 1 09:38 20.4 7.95 20.8 6.06 4.35							_		ΩΛ	2	1							

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	IS13	Middle	8.4	2	2	09:38			20.8	6.04	4.34	3.5
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	IS13	Bottom	15.8	3	1	09:38			20.8	5.95	4.37	2.5
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	IS13	Bottom	15.8	3	2	09:38			20.9	5.93	4.3	2.1
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	IS14	Surface	1	1	1	09:18	20.4	_	20.7	6.27	4.22	3
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	IS14	Surface	1	1	2	09:18	20.5		20.6	6.21	4.28	4.1
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	IS14	Middle	7.9	2	1	09:18		_	20.8	6.16	4.15	2.8
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	IS14	Middle	7.9	2	2	09:18			20.8	6.1	4.13	2.1
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	IS14	Bottom	14.8	3	1	09:18	20.3	_	20.8	5.94	4.74	3.4
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	IS14	Bottom	14.8	3	2	09:18			20.9	5.91	4.76	2
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	IS15	Surface	1	1	1	09:48			20.7	6.47	3.89	2.4
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	IS15	Surface	1	1	2	09:48	20.5		20.7	6.41	3.86	2.3
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	IS15	Middle	6	2	1	09:48	20.4		20.8	6.15	4.18	2.6
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	IS15	Middle	6	2	2	09:48	20.3		20.8	6.13	4.1	2.1
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	IS15	Bottom	11	3	1	09:48	20.3		20.9	5.72	4.6	2.7
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	IS15	Bottom	11	3	2	09:48			20.9	5.71	4.68	4.4
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	SR8	Surface	1	1	1	10:08	20.5	_	20.7	6.22	3.76	3.4
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	SR8	Surface	1	1	2	10:08	20.4	7.94	20.6	6.23	3.7	3.7
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	SR8	Middle		2	1	10:08						
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	SR8	Middle		2	2	10:08						
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	SR8	Bottom	4.2	3	1	10:08	20.3		20.7	6.01	4.34	4.9
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	SR8	Bottom	4.2	3	2	10:08	20.3	7.9	20.7	6.07	4.31	4.3
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	SR9	Surface	1	1	1	09:58			20.7	6.39	4.08	2.8
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	SR9	Surface	1	1	2	09:58	20.5	7.9	20.7	6.36	4.04	2.2
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	SR9	Middle		2	1	09:58						
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	SR9	Middle		2	2	09:58						<u> </u>
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	SR9	Bottom	4.4	3	1	09:58	20.3		20.8	5.98	4.49	3.2
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	SR9	Bottom	4.4	3	2	09:58			20.9	5.94	4.47	2.1
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave		Surface	1	1	1	10:18			20.7	6.32		3.2
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	SR10A	Surface	1	1	2	10:18			20.7	6.38		3.1
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	SR10A	Middle	7.7	2	1	10:18			20.8	6.15	4.26	2.3
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	SR10A	Middle	7.7	2	2	10:18			20.8	6.13	4.29	3.5
TMCLKL	HY/2012/08	2014-04-09	<del>-</del>	Cloudy	Small Wave	SR10A	Bottom	14.4	3	1	10:18		_	20.9	5.89		2.8
TMCLKL	HY/2012/08	2014-04-09		Cloudy	Small Wave	SR10A	Bottom	14.4	3	2	10:18			20.9	5.85	4.58	3
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	CS4	Surface	1	1	1	18:00	20.6	_	23.9	6.71	2.95	2.1
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	CS4	Surface	1 1	1	2	18:00	20.6	_	23.9	6.74	2.9	2.9
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	CS4	Middle	11.6	2	1	18:00	20.3		24.1	6.4	2.8	4.1
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	CS4	Middle	11.6	2	2	18:00	20.3	_	24.1	6.44	2.84	5.3
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	CS4	Bottom	22.2	3	1	18:00	20.3	_	24.2	6.27	3.02	4.6
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	CS4	Bottom	22.2	3	2	18:00	20.2		24.2	6.24	3.05	6.1
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	CS6	Surface	1	1	1	14:55		7.8	23.9	6.67	2.81	4.2
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	CS6	Surface	1 7	1	2	14:55	20.5		23.9	6.69	2.86	3.4
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	CS6	Middle	7.2	2	1	14:55	20.3	0.8	23.9	6.32	3.02	4
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	CS6	Middle	7.2	2	2	14:55	20.4		23.9	6.28	3.05	3.2
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	CS6	Bottom	13.4	3	1	14:55	20.3		24	6.27	2.99	3.1
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	CS6	Bottom	13.5	3	2	14:55	20.3		24	6.24	2.95	3.8
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS12	Surface	1	1	1	17:08	20.5	_	23.9	6.68	2.44	3.9
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS12	Surface	1 1	1	2	17:08			23.8	6.64	2.4	4.1
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS12	Middle	7.4	2	1	17:08	20.4	_	24.1	6.43	2.71	3.7
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS12	Middle	7.4	2	2	17:08	20.3		24.1	6.4	2.75	4.9
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS12	Bottom	13.8	3	1	17:08			24.1	6.25	2.83	5
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS12	Bottom	13.8	3	2	17:08		7.83	24.1	6.28	2.78	5.5
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS13	Surface	1	1	1	16:48			23.9	6.64	2.66	3.5
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS13	Surface	1	1	2	10:23	20.6		23.9	6.6	2.69	4
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS13	Middle	6.2	2	1	10:23	20.4		24	6.28	2.79	3.4
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS13	Middle	6.2	2	2	10:23	20.4		24.1	6.24	2.75	2.2
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS13	Bottom	11.4	3		10:23	20.3		24	6.22	2.91	3.2
TMCLKL	HY/2012/08	2014-04-11	Mid-Flood	Fine	Small Wave	IS13	Bottom	11.4	3	2	10:23	20.2	7.82	24.1	6.18	2.95	3.4

	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS14	Surface	1	1	1	17:30	20.6		23.9	6.62	2.62	5
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS14	Surface	1	1	2	17:30	20.6		23.9	6.59	2.66	4.6
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS14	Middle	8.4	-	1	17:30	20.2	7.82	24	6.3	2.39	4.9
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-11 2014-04-11		Fine	Small Wave Small Wave	IS14 IS14	Middle	8.4 15.8		2	17:30 17:30	20.2 20.2		24.1 24.1	6.33 6.34	2.45 2.88	4.1 5.2
TMCLKL	HY/2012/08	2014-04-11		Fine Fine	Small Wave	IS14	Bottom Bottom	15.8		2	17:30	20.2	7.83	24.1	6.3	2.85	4.4
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS15	Surface	13.0	1	1	16:27	20.1	7.8	23.9	6.6	2.92	5.1
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS15	Surface	1	1	2	10:53		7.8	23.9	6.64	2.96	3.9
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS15	Middle	6.3	2		10:53			24	6.37	2.74	3
TMCLKL	HY/2012/08	2014-04-11	Mid-Flood	Fine	Small Wave	IS15	Middle	6.3		2	10:53			24.1	6.34	2.7	2.6
TMCLKL	HY/2012/08	2014-04-11	Mid-Flood	Fine	Small Wave	IS15	Bottom	11.6	3	1	10:53	20.2	7.82	24.1	6.3	2.88	3.1
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS15	Bottom	11.6	3	2	10:53	20.2		24.1	6.33	2.85	3.1
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	SR8	Surface	1	1	1	15:55			23.8	6.75	2.92	
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	SR8	Surface	1	1	2	15:55		7.81	23.8	6.71	2.96	3.7
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	SR8	Middle		2	1	15:55						<del> </del>
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	SR8	Middle	4.0	2	2	15:55		7 00	22.0	6.20	2.00	2.4
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-11 2014-04-11		Fine Fine	Small Wave Small Wave	SR8 SR8	Bottom Bottom	4.8 4.8		1	15:55 15:55		7.82 7.82	23.9 23.9	6.29 6.25	2.88 2.81	3.4 3.1
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	SR9	Surface	4.0	3		16:11	20.1		23.8	6.53	3.01	3.1
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	SR9	Surface	1	1	2	16:11	20.6		23.8	6.56	3.05	3.5
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	SR9	Middle	'	2	1	16:11	20.0	7.01	20.0	0.00	0.00	0.0
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	SR9	Middle		2	2	16:11						
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	SR9	Bottom	4.8	3	1	16:11	20.3	7.82	24	6.2	3.1	2.9
TMCLKL	HY/2012/08	2014-04-11	Mid-Flood	Fine	Small Wave	SR9	Bottom	4.8	3	2	16:11	20.3		24	6.24	3.14	3.6
TMCLKL	HY/2012/08	2014-04-11	Mid-Flood	Fine	Small Wave	SR10A	Surface	1	1	1	15:26	20.6	7.8	23.9	6.7	2.64	3.7
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	SR10A	Surface	1	1	2	15:26	20.6	7.8	23.9	6.74	2.68	3.7
	HY/2012/08	2014-04-11		Fine	Small Wave	SR10A	Middle	7.9		1	15:26			24	6.41	2.71	3.4
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	SR10A	Middle	7.9		2	15:26		7.78	24.1	6.37	2.75	3.3
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	SR10A	Bottom	14.8		1	15:26	20.2	7.8	24.1	6.3	2.55	2.6
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-11		Fine Fine	Small Wave Small Wave	SR10A CS4	Bottom Surface	14.8	3		15:26 09:15	20.2 20.4	7.81 7.78	24.1 23.8	6.34 6.81	2.51 2.55	4.2 2.8
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	CS4	Surface	1	1	2	09:15			23.8	6.84	2.55	2.0
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	CS4	Middle	11.1	2	1	09:15		7.77	23.9	6.69	2.78	2.5
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	CS4	Middle	11.1	2	2	09:15		7.76	23.9	6.65	2.84	2.8
TMCLKL	HY/2012/08	2014-04-11	_	Fine	Small Wave	CS4	Bottom	21.2	3	1	09:15		7.78	24	6.5	2.97	2.4
TMCLKL	HY/2012/08	2014-04-11	Mid-Ebb	Fine	Small Wave	CS4	Bottom	21.2	3	2	09:15	20.1	7.78	24	6.53	2.92	2.8
TMCLKL	HY/2012/08	2014-04-11	Mid-Ebb	Fine	Small Wave	CS6	Surface	1	1	1	11:55	20.5	7.81	23.8	6.72	2.52	2.8
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	CS6	Surface	1	1	2	11:55	20.5		23.8	6.75	2.6	2.7
	HY/2012/08	2014-04-11		Fine	Small Wave	CS6	Middle	6.8		1	11:55			24	6.43	2.91	2.3
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	CS6	Middle	6.8		2	11:55	20.3		24	6.46	2.87	2.7
	HY/2012/08	2014-04-11		Fine	Small Wave	CS6	Bottom	12.6		1	11:55			24.1	6.36	3.08	2.4
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	CS6 IS12	Bottom	12.6	3	2	11:55		7.81	24.1 23.9	6.33 6.82	3.02 2.59	2.4 3.6
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-11		Fine Fine	Small Wave Small Wave	IS12	Surface Surface	1		<u>၂</u>	10:03 10:03	20.3		23.9	6.82	2.59	2.6
	HY/2012/08	2014-04-11		Fine	Small Wave	IS12	Middle	7.2	2	1	10:03	20.3	7.79	23.9	6.77	2.87	3.8
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS12	Middle	7.2		2	10:03	20.1	7.79	23.9	6.74	2.81	4.5
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS12	Bottom	13.4		1	10:03	20.1	7.79	24	6.64	2.74	4.8
	HY/2012/08	2014-04-11		Fine	Small Wave	IS12	Bottom	13.4	<del> </del>	2	10:03	20.2		24.1	6.61	2.7	4.8
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS13	Surface	1	1	1	10:23	20.4	7.79	23.9	6.74	2.86	2.9
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS13	Surface	1	1	2	10:23	20.4	7.8	23.8	6.7	2.81	5
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS13	Middle	5.8		1	10:23	20.2	7.8	24	6.5	2.67	4.9
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS13	Middle	5.8		2	10:23	20.1	7.81	24	6.48	2.62	3.6
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS13	Bottom	10.6		1	10:23	20.1	7.81	24	6.39	2.91	3.6
	HY/2012/08	2014-04-11		Fine	Small Wave	IS13	Bottom	10.6	3	2	10:23	20.1	7.81	24.1	6.36	2.88	4.6
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS14	Surface	1	1	1	09:45	20.3		23.8	6.72	2.71	3.1
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-11 2014-04-11		Fine Fine	Small Wave Small Wave	IS14 IS14	Surface Middle	8.1	1	2	09:45 09:45	20.3 20.1	7.79 7.78	23.8 23.9	6.75 6.57	2.76 2.63	3.1 2.6

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-04-11	Mid-Ebb	Fine	Small Wave	IS14	Middle	8.1	2	2	09:45	20.2		23.9	6.59	2.7	2.1
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS14	Bottom	15.2		1	09:45	20		24	6.44	2.52	5.9
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS14	Bottom	15.2	3	2	09:45	20		24	6.4	2.47	6.4
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS15	Surface	1	1	1	10:53	20.4			6.8	2.92	5.2
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS15	Surface	1	1	2	10:53	20.4			6.84	2.95	4.9
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS15	Middle	6		1	10:53	20.3		23.9	6.62	2.87	5.3 4.8
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-11 2014-04-11		Fine Fine	Small Wave Small Wave	IS15 IS15	Middle Bottom	6 11			10:53 10:53	20.3 20.1		23.9 24	6.58 6.41	2.85 3.15	4.8
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	IS15	Bottom	11		2	10.53	20.1		24	6.38	3.13	5
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	SR8	Surface	1	1	1	11:37	20.4			6.7	2.7	2.3
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	SR8	Surface	1	1	2	11:37	20.5		23.9	6.75	2.76	4
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	SR8	Middle		2		11:37			20.0	5.1.5	2 0	
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	SR8	Middle		2	2	11:37						
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	SR8	Bottom	4.2	3	1	11:37	20.2	7.81	24	6.44	3.04	2.4
TMCLKL	HY/2012/08	2014-04-11	Mid-Ebb	Fine	Small Wave	SR8	Bottom	4.2		2	11:37	20.2		24	6.4	3.07	2
TMCLKL	HY/2012/08	2014-04-11	Mid-Ebb	Fine	Small Wave	SR9	Surface	1	1	1	11:18	20.4		23.8	6.88	3.04	2.5
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	SR9	Surface	1	1	2	11:18	20.3		23.8	6.84	3.09	4.2
TMCLKL	HY/2012/08	2014-04-11	Mid-Ebb	Fine	Small Wave	SR9	Middle		2	1	11:18						
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	SR9	Middle		2	2	11:18						
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	SR9	Bottom	4.4	3	1	11:18	20.2		23.9	6.63	3.1	4
TMCLKL	HY/2012/08	2014-04-11	Mid-Ebb	Fine	Small Wave	SR9	Bottom	4.4	3	2	11:18	20.2	7.82	23.9	6.6	3.16	2.8
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	SR10A	Surface	1	1	1	12:30	20.5		23.8	6.79	2.43	2.9 2.9
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	SR10A	Surface	1	1	2	12:30	20.5		23.9	6.75	2.4	2.9
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	SR10A	Middle	7.6		1	12:30	20.3		24.1	6.42	2.88	2.4 2.7
TMCLKL	HY/2012/08		Mid-Ebb	Fine	Small Wave	SR10A	Middle	7.6		2	12:30	20.2		24.1	6.45	2.85	2.7
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave	SR10A	Bottom	14.2		1	12:30	20.2		24.2	6.31	2.71	2.6 2.4
TMCLKL	HY/2012/08	2014-04-11		Fine	Small Wave		Bottom	14.2	3	2	12:30	20.2		24.2	6.28	2.74	
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	CS4	Surface	1	1	1	20:07	21.9			7.15	6.18	1.7
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	CS4	Surface	1	1	2	20:07	21.9			7.11	6.15	1.7
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	CS4	Middle	11.7	2	1	20:07	21.4		28.4	6.93	6.15	2.6
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	CS4	Middle	11.7	2	2	20:07	21.4		28.4	6.97	6.1	2.7
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	CS4	Bottom	22.4	3	1	20:07	21.3		28.4	6.88	6.09	3.1
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	CS4	Bottom	22.4	3		20:07	21.2			6.85	6.01	3.5
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	CS6	Surface	1	1	1	17:02	22 22			7.18 7.15	6.22 6.17	0.8 0.7
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-14 2014-04-14		Cloudy Cloudy	Small Wave Small Wave	CS6	Surface Middle	6.9	1		17:02 17:02	21.3		28.4	7.15	5.98	2.1
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	CS6	Middle	6.9		1	17:02	21.4			7.06	5.95	2.1
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	CS6	Bottom	12.8		1	17:02	21.3		28.4	6.9	6.15	2.7
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	CS6	Bottom	12.8		2	17:02	21.3			6.93	6.1	3.1
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS12	Surface	12.0	1	1	19:13	21.9			7.22	6.12	0.5
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS12	Surface	1	1	2	19:13	21.8		25.5	7.19	6.16	0.5
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS12	Middle	7.7	2	1	19:13	21.3			7.04	6.44	0.5
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS12	Middle	7.7		2	19:13	21.2		28.2	7.01	6.4	0.5
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS12	Bottom	14.4		1	19:13	21.3			6.87	6.38	0.5
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS12	Bottom	14.4		2	19:13	21.3			6.89	6.35	0.5
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS13	Surface	1	1	1	18:50	21.9			7.21	6.04	0.5
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS13	Surface	1	1	2	18:50	21.9	7.8	25.4	7.18	6.09	0.5
TMCLKL	HY/2012/08	2014-04-14	Mid-Flood	Cloudy	Small Wave	IS13	Middle	6.3	2	1	18:50	21.4	7.81	28.4	7.12	6.47	0.8
TMCLKL	HY/2012/08	2014-04-14	Mid-Flood	Cloudy	Small Wave	IS13	Middle	6.3		2	18:50	21.3	7.82	28.5	7.07	6.42	0.6
TMCLKL	HY/2012/08	2014-04-14	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	6.3	3	1	18:50	21.4	7.82	28.5	6.94	6.4	1.5
TMCLKL	HY/2012/08	2014-04-14	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	6.3	3	2	18:50	21.3	7.82	28.5	6.9	6.46	1.6
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS14	Surface	1	1	1	19:39	21.9		25.5	7.19	6.27	0.5
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS14	Surface	1	1	2	19:39	21.9		25.5	7.15	6.22	0.6
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS14	Middle	8.4		1	19:39	21.4		28.3	7.08	6.54	1
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS14	Middle	8.4		2	19:39	21.3		28.3	7.13	6.59	0.5
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS14	Bottom	15.8		1	19:39	21.3		28.4	6.96	6.27	0.5
TMCLKL	HY/2012/08	2014-04-14	Mid-Flood	Cloudy	Small Wave	J IS14	Bottom	15.8	3	2	19:39	21.3	7.82	28.4	6.93	6.3	1.1

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS15	Surface	1	1	1	18:30	22		25.5	7.14	6.12	3
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS15	Surface	1	1	2	18:30	22		25.5	7.11	6.15	3.1
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS15	Middle	6.7	2	1	18:30	21.5		28.3	7.01	6.27	3.4 3.1
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS15	Middle	6.7	3	2	18:30	21.5		28.3	7.04	6.3	3.1
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-14 2014-04-14		Cloudy Cloudy	Small Wave Small Wave	IS15 IS15	Bottom Bottom	12.4 12.4	3	1	18:30 18:30	21.4 21.4	7.81 7.82	28.4 28.4	6.85 6.88	6.2 6.26	3.4 3.3
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	SR8	Surface	12.4	1		18:00		7.79	25.4	7.19	6.04	2.2
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	SR8	Surface	1	1	2	18:00	22.1	7.78	25.4	7.19	6.08	2.1
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	SR8	Middle	<u>'</u>	2		18:00	22.1	7.70	20.4	7.10	0.00	۷. ۱
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	SR8	Middle		2	2	18:00						
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	SR8	Bottom	4.8	3	1	18:00	21.4	7.79	28.4	6.95	6.18	2.2
TMCLKL	HY/2012/08	2014-04-14	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.8		2	18:00	21.4		28.4	6.91	6.15	2.9
TMCLKL	HY/2012/08	2014-04-14	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	1	18:15	22	7.79	25.4	7.11	5.89	2
TMCLKL	HY/2012/08	2014-04-14	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	2	18:15	21.9	7.8	25.4	7.07	5.85	2.1
TMCLKL	HY/2012/08	2014-04-14	Mid-Flood	Cloudy	Small Wave	SR9	Middle		2	1	18:15						
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	SR9	Middle		2	2	18:15						
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	SR9	Bottom	4.8		1	18:15	21.4	7.8	28.3	6.93	6.33	2.9
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	SR9	Bottom	4.8	3	2	18:15	21.4	7.8	28.3	6.9	6.38	2.8 3.1
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	SR10A	Surface	1	1	1	17:32	22.1		25.4	7.27	6.17	3.1
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave		Surface	1	1	2	17:32	22.1	7.78	25.4	7.24	6.4	3.3 3.5
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave		Middle	7.1	2	1	17:32	21.4	7.79	28.3	6.94	6.43	3.5
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-14 2014-04-14		Cloudy Cloudy	Small Wave Small Wave		Middle Bottom	7.1 14.2	2		17:32 17:32	21.4 21.3	7.78 7.79	28.3 28.4	6.9 6.88	6.4 6.09	3.5
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	+	Bottom	14.2		1	17:32	21.3		28.4	6.84	6.02	3.7
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	CS4	Surface	14.2	1		10:44	21.9		25.3	7.44	6.39	2.4
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	CS4	Surface	1	1	2	10:44	21.9		25.4	7.4	6.36	2.4
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	CS4	Middle	11.3	2	1	10:44	21.4		28.4	7.06	6.1	2.4 2.8
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	CS4	Middle	11.3	2	2	10:44	21.4		28.3	7.02	6.16	2.5
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	CS4	Bottom	21.6	3	1	10:44	21.3		28.4	6.86	5.95	3.1
TMCLKL	HY/2012/08	2014-04-14	Mid-Ebb	Cloudy	Small Wave	CS4	Bottom	21.6	3	2	10:44	21.3	7.78	28.4	6.82	5.99	3.1
TMCLKL	HY/2012/08	2014-04-14	Mid-Ebb	Cloudy	Small Wave	CS6	Surface	1	1	1	13:15	22	7.82	25.5	7.44	5.74	2
TMCLKL	HY/2012/08	2014-04-14	Mid-Ebb	Cloudy	Small Wave	CS6	Surface	1	1	2	13:15	22	7.82	25.5	7.4	5.78	2.2 2.8
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	CS6	Middle	6.6		1	13:15	21.5		28.5	7.1	5.82	2.8
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	CS6	Middle	6.6	2	2	13:15	21.5		28.4	7.08	5.86	2.4
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	CS6	Bottom	12.2	3	1	13:15	21.4	7.83	28.5	6.88	6.03	3
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	CS6	Bottom	12.2	3	2	13:15	21.3	7.82	28.5	6.84	6.05	3
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS12	Surface	1	1	1	11:34		7.79	25.4	7.27	5.95	1.6
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS12	Surface	1 7 4	1	2	11:34	22		25.4	7.24	5.91	1.3
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-14 2014-04-14		Cloudy	Small Wave Small Wave	IS12 IS12	Middle Middle	7.4 7.4		1	11:34 11:34	21.3 21.3		28.3 28.2	7.04 7.07	6.27 6.21	2.5 2.8
TMCLKL	HY/2012/08	2014-04-14		Cloudy Cloudy	Small Wave	IS12	Bottom	13.8			11:34	21.3	7.79	28.4	6.88	5.99	3.3
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS12	Bottom	13.8		2	11:34	21.3		28.4	6.85	5.95	3.2
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS13	Surface	10.0	1	1	11:55		7.79	25.3	7.27	5.87	1.5
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS13	Surface	1	1	2	11:55	22		25.4	7.24	5.93	1.4
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS13	Middle	5.9	2		11:55	21.5		28.4	7.03	6.33	3.3
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS13	Middle	5.9		2	11:55	21.5		28.4	7.05	6.37	3.3
TMCLKL	HY/2012/08	2014-04-14	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	10.8	3	1	11:55	21.4	7.81	28.5	6.9	6.17	3.8
TMCLKL	HY/2012/08	2014-04-14	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	10.8	3	2	11:55	21.3	7.82	28.5	6.94	6.12	3.8
TMCLKL	HY/2012/08	2014-04-14	Mid-Ebb	Cloudy	Small Wave	IS14	Surface	1	1	1	11:14	22	7.78	25.4	7.31	6.34	2.1
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS14	Surface	1	1	2	11:14	22		25.4	7.28	6.31	2.1
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS14	Middle	8.1	2	1	11:14	21.4		28.3	7.1	6.15	3.1
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS14	Middle	8.1	2	2	11:14	21.4		28.3	7.14	6.11	3.1
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS14	Bottom	15.2	3	1	11:14	21.3		28.4	6.97	6.44	4.1
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS14	Bottom	15.2	3	2	11:14	21.3		28.3	6.94	6.4	3.6
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS15	Surface	1	1	1	12:15	22		25.4	7.31	5.99	1.5
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS15	Surface	1	1	2	12:15	22		25.4	7.27	5.92	1.3
TMCLKL	HY/2012/08	2014-04-14	INIIG-⊨pp	Cloudy	Small Wave	IS15	Middle	6.2	2	1	12:15	21.5	7.8	28.4	7.11	5.91	2.3

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS15	Middle	6.2	2	2	12:15	21.5		28.4	7.08	5.98	2.2
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS15	Bottom	11.4	3	1	12:15	21.3		28.5	6.92	6.24	2.6
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	IS15	Bottom	11.4	3	2	12:15	21.3		28.5	6.89	6.2	2.8
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	SR8	Surface	1	1	1	12:52	22		25.4	7.29	5.95	0.5
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	SR8	Surface	1	1	2	12:52	21.9	7.81	25.4	7.26	5.9	0.5
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	SR8	Middle		2	1	12:52						
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	SR8	Middle	4.4	2	2	12:52	04.4	7.04	00.5	0.00	0.5	4.0
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	SR8 SR8	Bottom	4.4	3	1	12:52	21.4		28.5	6.92 6.89	6.5 6.54	1.6 1.8
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-14 2014-04-14		Cloudy Cloudy	Small Wave Small Wave	SR9	Bottom Surface	4.4	3		12:52 12:35	21.3 22		28.4 25.4	7.36	6.04	2.1
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	SR9	Surface	1	1	2	12:35	22		25.4	7.30	6.08	2.1
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	SR9	Middle		2	1	12:35		7.01	20.7	7.02	0.00	2.0
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	SR9	Middle		2	2	12:35						
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	SR9	Bottom	4.2	3	1	12:35	21.4	7.81	28.2	7.02	6.42	3.3
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	SR9	Bottom	4.2	3	2	12:35	21.4		28.2	7.05	6.46	3.2
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	SR10A	Surface	1	1	1	13:50	22		25.4	7.3	6.11	1.3
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	SR10A	Surface	1	1	2	13:50	22		25.4	7.26	6.06	1.3
TMCLKL	HY/2012/08	2014-04-14	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	7.2	2	1	13:50	21.4	7.8	28.4	7.05	6.27	1.8
TMCLKL	HY/2012/08	2014-04-14	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	7.2	2	2	13:50	21.4	7.81	28.4	7.01	6.3	1.5
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave	SR10A	Bottom	13.4	3	1	13:50	21.3		28.5	6.84	6.33	2.4
TMCLKL	HY/2012/08	2014-04-14		Cloudy	Small Wave		Bottom	13.4	3	2	13:50	21.3		28.5	6.87	6.3	2.5
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	CS4	Surface	1	1	1	21:36	21.3		25	6.37	5.13	2.2
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	CS4	Surface	1	1	2	21:36	21.2		25.1	6.33	5.1	2.4
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	CS4	Middle	11.7	2	1	21:36	21.2		25.2	6.42	5.11	3
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	CS4	Middle	11.7	2	2	21:36			25.1	6.46	5.08	3.4
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	CS4	Bottom	22.4	3	1	21:36	21.1		25.4	6.29	5.32	2.8 2.5
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	CS4	Bottom	22.4	3	2	21:36	21.1		25.4	6.31	5.37	
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-16 2014-04-16		Cloudy Cloudy	Small Wave Small Wave	CS6	Surface Surface	1	1	1	18:23 18:23	21.4 21.5		25.1 25.1	6.53 6.58	5.06 5.11	2.9 3.7
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	CS6	Middle	6.9	2	1	18:23	21.5		25.3	6.68	5.01	2.9
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	CS6	Middle	6.9	2	2	18:23	21.5		25.1	6.64	4.97	4.3
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	CS6	Bottom	12.8	3	1	18:23	21.4		25.5	6.49	5.14	2.5
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	CS6	Bottom	12.8	3	2	18:23	21.3		25.4	6.51	5.18	2.6
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS12	Surface	1	1	1	20:46	21.3		25.2	6.39	5.07	3
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS12	Surface	1	1	2	20:46	21.4		25.1	6.32	5.02	3.4
TMCLKL	HY/2012/08	2014-04-16	Mid-Flood	Cloudy	Small Wave	IS12	Middle	7.7	2	1	20:46	21.2	7.68	25.6	6.44	4.92	2.6
TMCLKL	HY/2012/08	2014-04-16	Mid-Flood	Cloudy	Small Wave	IS12	Middle	7.7	2	2	20:46	21.1	7.71	25.4	6.49	4.97	2.9
TMCLKL	HY/2012/08	2014-04-16	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	15.4	3	1	20:46	21.1		25.6	6.27	5.14	3
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS12	Bottom	15.4	3	2	20:46			25.6	6.32	5.17	2.2
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS13	Surface	1	1	1	20:22	21.4		25.2	6.46	5.04	2.4
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS13	Surface	1	1	2	20:22	21.2		25.1	6.48	5.11	2.9
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS13	Middle	6.2	2	1	20:22	21.2		25.4	6.69	4.97	3
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS13	Middle	6.2	2	2	20:22	21.3		25.1	6.61	4.94	2.4
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS13	Bottom	11.4	3	1	20:22	21.1		25.6	6.39	5.16	2.5
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-16 2014-04-16		Cloudy Cloudy	Small Wave Small Wave	IS13 IS14	Bottom Surface	11.4	3		20:22 21:11	21.1 21.4		25.5 25.1	6.44 6.47	5.12 5.17	2.1 2.9
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS14 IS14	Surface	1	1	<u>၂</u>	21:11	21.4		<u>25.1</u>	6.47	5.17	4.3
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS14	Middle	8.4	2	1	21:11	21.4	_	25.1	6.62	5.13	2.4
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS14	Middle	8.4	2	2	21:11	21.1		25.3	6.65	5.02	2.1
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS14	Bottom	15.7	3	1	21:11	21		25.5	6.39	5.22	2.6
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS14	Bottom	15.7	3	2	21:11	21.1	7.73	25.4	6.42	5.26	2.3
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS15	Surface	1	1	1	19:58	21.2		25.1	6.44	5.27	2.2
TMCLKL	HY/2012/08	2014-04-16	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	2	19:58	21.3		25.1	6.41	5.22	2.6
TMCLKL	HY/2012/08	2014-04-16	Mid-Flood	Cloudy	Small Wave	IS15	Middle	6.4	2	1	19:58	21.2		25.3	6.59	5.09	2.6
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS15	Middle	6.4	2	2	19:58	21.1			6.64	5.04	3.3
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS15	Bottom	11.8	3	1	19:58	21	7.72	25.6	6.33	5.33	2.8
TMCLKL	HY/2012/08	2014-04-16	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	11.8	3	2	19:58	21.1	7.76	25.5	6.34	5.36	3.1

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	SR8	Surface	1	1	1	19:11			25	6.44	5.21	3
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	SR8	Surface	1	1	2	19:11		7.77	25.1	6.41	5.18	3.4
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	SR8	Middle		2	1	19:11						,
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	SR8	Middle	4.0	2	2	19:11		7.70	05.4	0.00	5.00	0.7
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	SR8	Bottom	4.8	3	1	19:11			25.1	6.32	5.29	3.7
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	SR8	Bottom	4.8	3	2	19:11			25.1	6.27	5.26	3.3
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-16 2014-04-16		Cloudy	Small Wave Small Wave	SR9 SR9	Surface	1	1	1	19:37			25.2 25.1	6.46 6.41	5.22 5.19	3.4 2.8
TMCLKL	HY/2012/08	2014-04-16		Cloudy Cloudy	Small Wave	SR9	Surface Middle	I	2	1	19:37 19:37		1.13	20.1	0.41	5.19	
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	SR9	Middle		2	2	19:37						- <u></u> -
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	SR9	Bottom	4.7	3	1	19:37	21.3	7.79	25.2	6.32	5.25	3.3
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	SR9	Bottom	4.7	3	2	19:37	21.3		25.3	6.28	5.23	3.9
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	SR10A	Surface	1	1		18:47			25	6.42	5.15	2.5
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	_	Surface	1	1	2	18:47			25.1	6.45	5.18	3.7
TMCLKL	HY/2012/08	2014-04-16	Mid-Flood	Cloudy	Small Wave		Middle	7.5	2	1	18:47			25.2	6.56	5.04	2.8
TMCLKL	HY/2012/08	2014-04-16	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	7.5	2	2	18:47	21.2	7.76	25.3	6.51	5.02	3.1
TMCLKL	HY/2012/08	2014-04-16	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	13.9	3	1	18:47	21.3	7.72	25.5	6.33	5.25	4.3
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave		Bottom	13.9	3	2	18:47			25.6	6.31	5.29	3.9
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	CS4	Surface	1	1	1	11:50			25.2	6.26	5.21	2.7
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	CS4	Surface	1	1	2	11:50	21.9		25.3	6.28	5.24	2.9
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	CS4	Middle	11.6	2	1	11:50			25.5	6.35	5.17	2.8
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	CS4	Middle	11.6	2	2	11:50			25.4	6.31	5.12	2.7
TMCLKL	HY/2012/08	2014-04-16	1	Cloudy	Small Wave	CS4	Bottom	23.2	3	1	11:50			25.6	6.23	5.46	2.6
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	CS4	Bottom	23.2	3	2	11:50	21.5		25.7	6.18	5.42	3.6
TMCLKL	HY/2012/08	2014-04-16	_	Cloudy	Small Wave	CS6	Surface	1	1	1	15:02			25.6	6.46	5.22	2.7
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	CS6	Surface	1	1	2	15:02	22.1	7.83	25.4	6.39	5.16	2.7
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	CS6	Middle	6.8	2	1	15:02			25.6	6.53	5.07	2.6
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	CS6	Middle	6.8	2	2	15:02				6.57	5.13	2.4
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-16 2014-04-16		Cloudy	Small Wave Small Wave	CS6	Bottom Bottom	12.5 12.5	3	<u> </u>	15:02 15:02			25.8 25.7	6.37 6.34	5.24 5.27	2.5
TMCLKL	HY/2012/08	2014-04-16		Cloudy Cloudy	Small Wave	IS12	Surface	12.5	3		12:37	21.7		25. <i>1</i> 25.4	6.28	5.27	3.2
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS12	Surface	1	1	1	12:37		7.73	25.2	6.21	5.18	3.2
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS12	Middle	7.6	2	1	12:37		7.73	25.8	6.41	5.07	3.1
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS12	Middle	7.6	2	2	12:37	21.7		25.6	6.36	5.01	3.7
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS12	Bottom	14.1	3	1	12:37	21.5		25.7	6.13	5.26	4
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS12	Bottom	14.1	3	2	12:37			25.8	6.17	5.22	4.1
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS13	Surface	1	1		13:00			25.6	6.42	5.22	4.1
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS13	Surface	1	1	2	13:00	22		25.4	6.37	5.16	2.8
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS13	Middle	6.1	2	1	13:00			25.6	6.49	5.07	4
TMCLKL	HY/2012/08	2014-04-16	Mid-Ebb	Cloudy	Small Wave	IS13	Middle	6.1	2	2	13:00	21.6		25.6	6.53	5.02	2.8
TMCLKL	HY/2012/08	2014-04-16	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	11.2	3	1	13:00	21.5	7.74	25.8	6.26	5.28	3.6
TMCLKL	HY/2012/08	2014-04-16	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	11.2	3	2	13:00	21.6	7.71	25.7	6.21	5.31	2.6
TMCLKL	HY/2012/08	2014-04-16	Mid-Ebb	Cloudy	Small Wave	IS14	Surface	1	1	1	12:14	21.8	7.75	25.3	6.38	5.22	3
TMCLKL	HY/2012/08	2014-04-16	Mid-Ebb	Cloudy	Small Wave	IS14	Surface	1	1	2	12:14	22.1	7.77	25.4	6.35	5.19	3.1
TMCLKL	HY/2012/08	2014-04-16	Mid-Ebb	Cloudy	Small Wave	IS14	Middle	8.2	2	1	12:14			25.6	6.54	5.12	4.1
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS14	Middle	8.2	2	2	12:14			25.5	6.51	5.15	3.2
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS14	Bottom	15.4	3	1	12:14			25.7	6.33	5.36	3.2
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS14	Bottom	15.4	3	2	12:14			25.7	6.27	5.31	2.8
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave		Surface	1	1	1	13:25			25.4	6.32	5.33	3.3
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS15	Surface	1	1	2	13:25			25.3	6.36	5.36	3.6
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS15	Middle	6.3	2	1	13:25			25.6	6.49	5.15	3.1
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS15	Middle	6.3	2	2	13:25			25.5	6.46	5.19	3.4
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS15	Bottom	11.5	3	1	13:25			25.6	6.29	5.43	2.8
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	IS15	Bottom	11.5	3	2	13:25			25.7	6.27	5.47	4
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	SR8	Surface	1	1	1	14:13			25.4	6.35	5.31	2.9
TMCLKL	HY/2012/08	2014-04-16		Cloudy	Small Wave	SR8	Surface	1	1	2	14:13		7.74	25.3	6.29	5.36	2.5
TMCLKL	HY/2012/08	2014-04-16	li∧iia-⊨pp	Cloudy	Small Wave	SR8	Middle		2	1	14:13						

TMAJER   PRO201208   2014-04-16  fields Etch   Cloudy   Small Wave   SR8   Mindale   2   2   14:13   2.18   7.70   2.56   0.24	Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TRACIEM,   1972-012-08   2014-04-10   Mode Etb.   Cloudy   Small Wave   SR8   Surface   1   1   1.14-0   2.16, 7.770   2.5 0, 6.2 2	TMCLKL	HY/2012/08	2014-04-16	Mid-Ebb	Cloudy	Small Wave	SR8	Middle	-	2	2	14:13						
TRICKLE, HY201208   2014-04-16   Mile Ebb   Cloudy   Small Wave   SR 9   Surface   1   1   1   13-84   21.8   77.8   25.3   8.32		HY/2012/08			Cloudy	Small Wave		Bottom		3	1	14:13					5.42	3.3
TracLick.   Project   Pr								+	4.5	3	2						5.45	2.8
Tricklet   My201208   2014-04-16   Mol-Ebb   Cloudy   Small Wave   SR9   Moddle   2   1   13-36									1	1	1						5.31	3.3
Trickur,									1	1	2		22	7.79	25.4	6.37	5.34	2.5
IRACLE, HY/2012/08   2014-04-16 Mid-Ebb   Cloudy   Small Wave   SR9   Bottom   4-5   3   1.19-49   21.9   7.62   25.5   6.22											1							
TRICKLK   PY/201208   2014-04-16   Mid-Ebb   Cloudy   Small Wave   SR10   Suffice   1   1   437   221   7.76   2.5.5   6.17							_		1.5		2		24.0	7.00	25.5	6.00	F 2F	
TACKLK, HY/201208											1						5.35 5.39	2.2 2.8
TRICKLK, HY/201208   2014-04-16   Mid-Ebb   Cloudy   Small Wave   SR10A   Sufface   1   1   2   14:37   22:1   7.75   25:7   6.43   TRICKLK, HY/201208   2014-04-16   Mid-Ebb   Cloudy   Small Wave   SR10A   Middle   7.4   2   2   14:37   21:8   7.75   25:7   6.43   TRICKLK, HY/201208   2014-04-16   Mid-Ebb   Cloudy   Small Wave   SR10A   Middle   7.4   2   2   14:37   21:6   7.73   25:7   6.24   7.76   C. 14   7.81   22:6   6.47   TRICKLK, HY/201208   2014-04-16   Mid-Ebb   Cloudy   Small Wave   SR10A   Sufface   14:7   3   2   14:37   21:6   7.73   25:7   6.24   7.76   C. 14   7.76   C. 14   7.77   25:7   6.24   7.76   C. 14   7.77									4.5	1	<u> </u>						5.24	2.0
TACK.K.   H7/2012/08   2014-04-16   Mod-Ebb   Cloudy   Small   Wave   SR10.A   Model   7.4   2   1   14.37   21.6   7.91   25.6   6.47								1	1	1	2						5.21	2.4
Trickick   H7/201208   2014-04-16   Modelseb   Cloudy   Small Wave   SR10A   Bottom   14.7   3   1.14:37   21.6   7.73   25.7   6.24   Trickick   H7/201208   2014-04-16   Modelseb   Cloudy   Small Wave   SR10A   Bottom   14.7   3   2.14:37   21.6   7.77   25.7   6.24   Trickick   H7/201208   2014-04-16   Modelseb   Cloudy   Small Wave   SR10A   Bottom   14.7   3   2.14:37   21.6   7.77   25.7   6.19   Trickick   H7/201208   2014-04-18   Modelseb   Cloudy   Small Wave   CS4   Surface   1   1   0.0946   21.4   7.82   25.2   6.43   Trickick   H7/201208   2014-04-18   Modelseb   Cloudy   Small Wave   CS4   Surface   1   1   2.0945   21.5   7.86   25.3   6.39   Trickick   H7/201208   2014-04-18   Modelseb   Cloudy   Small Wave   CS4   Model   11.9   2   0.945   21.3   7.81   25.4   6.48   Trickick   H7/201208   2014-04-18   Modelseb   Cloudy   Small Wave   CS4   Model   11.9   2   2.0945   21.3   7.83   25.3   6.52   Trickick   H7/201208   2014-04-18   Modelseb   Cloudy   Small Wave   CS4   Bottom   22.8   3   1.0945   21.1   7.81   25.4   6.35   Trickick   H7/201208   2014-04-18   Modelseb   Cloudy   Small Wave   CS4   Bottom   22.8   3   1.0945   21.1   7.81   25.5   6.37   Trickick   H7/201208   2014-04-18   Modelseb   Cloudy   Small Wave   CS4   Bottom   22.8   3   2.0945   21.1   7.81   25.5   6.37   Trickick   H7/201208   2014-04-18   Modelseb   Cloudy   Small Wave   CS8   Surface   1   1   2.0840   21.5   7.86   25.2   6.84   Trickick   H7/201208   2014-04-18   Modelseb   Cloudy   Small Wave   CS8   Surface   1   1   2.0840   21.5   7.86   25.2   6.84   Trickick   H7/201208   2014-04-18   Modelseb   Cloudy   Small Wave   CS8   Modelse   Trickick   H7/201208   2014-04-18   Modelseb   Cloudy   Small Wave   CS8   Modelse   Trickick   Tricki								_	7.4	2	1						5.16	3.6
Trickin   Hy/2012/08   2014-04-16   Mid-Ebb   Cloudy   Small   Wave   SR10   Bittom   14.7   3   1.14.37   21.6   7.73   25.7   6.24											2						5.11	3.1
TMCLIK   H7/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS4   Surface   1   1   0.946   21.1   7.82   25.2   6.43   TMCLIK   H7/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS4   Surface   1   1   0.946   21.1   7.82   25.2   6.43   TMCLIK   H7/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS4   Surface   1   1   0.946   21.5   7.86   25.3   6.39   TMCLIK   H7/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS4   Middle   11.9   2   1   0.946   21.3   7.81   25.4   6.48   TMCLIK   H7/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS4   Middle   11.9   2   2   0.946   21.3   7.83   25.3   6.52   TMCLIK   H7/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS4   Middle   11.9   2   2   0.946   21.3   7.83   25.3   6.52   TMCLIK   H7/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS4   Bottom   22.8   3   1   0.945   21.1   7.81   25.4   6.35   TMCLIK   H7/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS5   Surface   1   1   1   0.840   21.5   7.88   25.5   6.57   TMCLIK   H7/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS5   Surface   1   1   1   0.840   21.5   7.88   25.2   6.59   TMCLIK   H7/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS5   Surface   1   1   0.840   21.5   7.88   25.2   6.57   TMCLIK   H7/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS5   Surface   1   1   0.840   21.5   7.88   25.2   6.57   TMCLIK   H7/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS5   Middle   7.1   2   0.840   21.5   7.88   25.2   6.57   TMCLIK   H7/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS5   Middle   7.1   2   0.840   21.5   7.85   25.2   6.57   TMCLIK   H7/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS5   Middle   7.6   2   0.840   21.5   7.85   25.2   6.57   TMCLIK   H7/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   S11.8   Surface   1   1   0.835   21.5   7.80   25.3   6.57   TMCLIK   H7/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   S12																	5.35	3.7
TMCLIK   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   C54   Surface   1   1   1   09.45   21.1   7.82   25.2   6.43				<b>!</b>		<del></del>		1			2						5.32	2.8
TMCLIK.   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS4   Sufface   1   1   2   09-45   21.5   7.85   25.3   6.39   TMCLIK.   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS4   Middle   11.9   2   2   09-45   21.3   7.81   25.4   6.38   TMCLIK.   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS4   Sufface   11.9   2   2   09-45   21.3   7.83   25.3   6.52   TMCLIK.   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS4   Sufface   1   1   1   0.945   21.1   7.81   25.5   6.37   TMCLIK.   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS4   Sufface   1   1   1   0.640   21.6   7.88   25.5   6.37   TMCLIK.   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Sufface   1   1   1   0.640   21.6   7.88   25.5   6.37   TMCLIK.   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Sufface   1   1   1   0.640   21.6   7.88   25.5   6.44   TMCLIK.   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Middle   7.1   2   1   0.640   21.4   7.86   25.2   6.64   TMCLIK.   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Middle   7.1   2   2   0.640   21.5   7.85   25.2   6.7   TMCLIK.   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Sufface   1   1   0.640   21.4   7.87   25.4   6.55   TMCLIK.   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Sufface   1   1   0.640   21.4   7.87   25.4   6.55   TMCLIK.   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   S12   Sufface   1   1   0.659   21.4   7.76   25.2   6.57   TMCLIK.   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   S12   Sufface   1   1   0.659   21.4   7.76   25.2   6.38   TMCLIK.   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   S12   Sufface   1   1   0.659   21.4   7.76   25.5   6.55   TMCLIK.   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   S12   Sufface   1   1   0.659   21.4   7.76   25.5   6.55   TMCLIK.   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave						Small Wave		Surface	1	1	1						5.62	2.5
TMCLICL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS4   Middle   11.9   2   2   09.45   21.3   7.83   25.3   6.52	TMCLKL	HY/2012/08	2014-04-18	Mid-Flood	Cloudy	Small Wave	CS4	Surface	1	1	2		21.5	7.85		6.39	5.64	3.6
TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS4   Sottom   22.8   3   1   09.45   21.1   7.81   25.4   6.35   TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS4   Surface   1   1   1   06.40   21.6   7.86   25.2   6.57   TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Surface   1   1   1   06.40   21.6   7.86   25.2   6.64   TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Surface   1   1   2   06.40   21.6   7.86   25.2   6.64   TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Middle   7.1   2   1   06.40   21.6   7.86   25.2   6.77   TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Surface   1   1   06.40   21.6   7.86   25.2   6.77   TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Surface   1   1   06.40   21.6   7.85   25.2   6.77   TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Surface   1   1   06.60   21.6   7.85   25.3   6.57   TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Surface   1   1   06.60   21.3   7.81   25.3   6.57   TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Surface   1   1   06.68   21.1   7.76   25.2   6.38   TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   S12   Surface   1   1   06.68   21.1   7.76   25.2   6.38   TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   S12   Surface   1   1   06.68   21.1   7.76   25.2   6.58   TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   S12   Surface   1   1   06.68   21.1   7.76   25.2   6.58   TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   S12   Surface   1   1   06.68   21.1   7.76   25.2   6.58   TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   S13   Surface   1   06.63   21.1   7.76   25.4   6.55   TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   S13   Surface   1   06.53   21.1   7.	TMCLKL	HY/2012/08	2014-04-18	Mid-Flood	Cloudy	Small Wave	CS4	Middle	11.9	2	1	09:45	21.3	7.81	25.4	6.48	5.83	3.3
TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Surface   1   1   1   06-40   21.6   7.89   25.1   6.59	TMCLKL	HY/2012/08	2014-04-18	Mid-Flood	Cloudy	Small Wave	CS4	Middle	11.9	2	2	09:45	21.3	7.83	25.3	6.52	5.86	4.5
TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Surface   1   1   06-40   21.6 7.88   25.1   6.59   TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Surface   1   1   2   06-40   21.5 7.86   25.2   6.64   TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Middle   7.1   2   1   06-40   21.4 7.88   25.3   6.74   TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Middle   7.1   2   2   06-40   21.5 7.85   25.2   6.7   TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Surface   1   1   1   08-40   21.4 7.87   25.5   25.2   6.7   TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Bottom   13.2   3   1   06-40   21.4 7.87   25.4   6.55   TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Surface   1   1   1   08-56   21.5 7.82   25.3   6.57   TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Surface   1   1   08-56   21.4 7.78   25.2   6.38   TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Surface   1   1   2   08-56   21.4 7.78   25.2   6.38   TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Middle   TS6   2   2   08-56   21.4 7.78   25.2   6.38   TMCLKL   HY/201208   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Middle   TS6   2   2   08-56   21.4 7.74   25.3   6.5   TMCLKL   HY/201209   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS7   Middle   TS6   2   2   08-56   21.4 7.74   25.3   6.5   TMCLKL   HY/201209   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS7   Small Wave   CS7   Cloudy   CS6   Condition   Cloudy   CS6   CS7	TMCLKL	HY/2012/08	2014-04-18	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	22.8	3	1	09:45	21.1	7.81	25.4	6.35	6.12	4.2
TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   CS6   Middle   7.1   2   1   06:40   21.4   7.88   25.3   6.74	TMCLKL	HY/2012/08	2014-04-18	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	22.8	3	2	09:45	21.2	7.84	25.5	6.37	6.14	4.7
TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave CS6 Middle 7.1 2 2 06:40 21.4 7.88 25.3 6.74 MCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave CS6 Smith May CS6 Smith Ma	TMCLKL	HY/2012/08	2014-04-18	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	1	06:40			25.1		5.87	2.9
TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave CS6 Middle 7.1 2 0.64-00 21.5 7.85 25.2 6.7 MCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave CS6 Storm 13.2 3 1 06.40 21.4 7.87 25.4 6.55 MCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave CS6 Storm 13.2 3 1 06.40 21.4 7.83 25.3 6.57 MCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS12 Surface 1 1 1 08.86 21.5 7.82 25.3 6.49 MCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS12 Surface 1 1 1 08.86 21.5 7.82 25.3 6.38 MCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS12 Surface 1 1 1 08.86 21.4 7.78 25.2 6.38 MCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS12 Surface 1 1 1 08.86 21.4 7.78 25.3 6.58 MCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS12 Middle 7.8 2 1 08.86 21.4 7.74 25.3 6.55 MCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS12 Middle 7.8 2 2 08.86 21.3 7.77 25.6 6.35 MCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS12 Middle 7.8 2 2 08.58 21.2 7.7 25.6 6.38 MCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Surface 1 1 1 08.35 21.1 7.72 25.5 6.38 MCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Surface 1 1 1 08.35 21.4 7.82 25.2 6.52 MCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Surface 1 1 1 08.35 21.4 7.82 25.2 6.52 MCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Surface 1 1 1 08.35 21.4 7.79 25.4 6.75 MCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Middle 6.3 2 08.35 21.3 7.78 25.3 6.54 MCKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Middle 6.3 2 08.35 21.3 7.79 25.4 6.75 MCKLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Middle 6.3 2 08.35 21.3 7.79 25.4 6.55 MCKLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Middle 6.3 2 08.35 21.3 7.79 25.4 6.55 MCKLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Middle 6.3 2 2 08.35 21.3 7.79 25.5 6.46 MCKLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Middle 6.3 2 2 08.35 21.3 7.79 25.5 6.46 MCKLKL HY/2012/08 2014-					Cloudy	Small Wave	+	_	1	1	2	06:40					5.91	2.5
TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave CS6 Bottom 13.2 3 1 0.6:40 21.4 7.87 25.4 6.55 TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS12 Surface 1 1 1 0.6:56 21.5 7.82 25.3 6.57 TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS12 Surface 1 1 1 0.6:56 21.5 7.82 25.3 6.57 TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS12 Surface 1 1 1 2 0.6:56 21.4 7.78 25.2 6.38 TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS12 Middle 7.8 2 1 0.6:56 21.4 7.74 25.3 6.5 TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS12 Middle 7.8 2 2 0.6:56 21.4 7.77 25.4 6.55 TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS12 Middle 7.8 2 2 0.6:56 21.4 7.77 25.4 6.55 TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS12 Middle 7.8 2 2 0.6:56 21.3 7.77 25.4 6.55 TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS12 Bottom 14.6 3 1 0.6:56 21.2 7.7 25.6 6.33 TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Surface 1 1 1 0.6:35 21.4 7.82 25.2 6.52 TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Middle 7.8 2 0.6:58 21.1 7.72 25.5 6.38 TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Surface 1 1 1 0.6:35 21.5 7.8 25.3 6.54 TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Middle 6.3 2 0.6:36 21.5 7.8 25.3 6.55 TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Middle 6.3 2 0.6:36 21.3 7.79 25.4 6.75 TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Middle 6.3 2 0.6:36 21.3 7.79 25.4 6.75 TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Middle 6.3 2 0.6:36 21.3 7.79 25.4 6.75 TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Middle 6.3 2 0.6:36 21.3 7.79 25.4 6.55 TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Bottom 11.6 3 1 0.6:35 21.3 7.74 25.5 6.45 6.57 TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS14 Middle 8.4 2 0.6:32 2 0.6:32 2 0.6:36 2 0.6:32 2 0.6:36 2 0.6:32 2 0.6:36 2 0.6:32 2 0.6:36 2 0.6:32 2 0.6:36 2 0.6:32 2 0.6					<del></del>						1						5.99	3
TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS12 Surface 1 1 1 08:58 21:5 7.82 25:3 6.45   TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS12 Surface 1 1 1 08:58 21:5 7.82 25:3 6.45   TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS12 Surface 1 1 1 08:58 21:4 7.78 25:2 6.38   TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS12 Middle 7.8 2 1 08:58 21:4 7.74 25:3 6.55   TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS12 Middle 7.8 2 1 08:58 21:4 7.74 25:3 6.55   TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS12 Middle 7.8 2 1 08:58 21:4 7.74 25:5 6.59   TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS12 Middle 7.8 2 0.655 21:4 7.72 25:6 6.33   TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS12 Bottom 14:6 3 1 08:58 21:2 7.7 25:6 6.33   TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS12 Bottom 14:6 3 1 08:58 21:2 7.7 25:6 6.33   TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS12 Bottom 14:6 3 2 08:58 21:1 7.72 25:5 6.38   TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Surface 1 1 1 08:35 21:4 7.82 25:2 6.52   TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Middle 6:3 2 1 08:35 21:5 7.8 25:3 6.54   TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Middle 6:3 2 08:35 21:3 7.83 25:3 6.67   TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Middle 6:3 2 08:35 21:3 7.83 25:3 6.67   TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Middle 6:3 2 08:35 21:3 7.78 25:4 6.75   TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Bottom 11:6 3 08:35 21:3 7.78 25:4 6.75   TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS13 Bottom 11:6 3 08:35 21:3 7.78 25:4 6.55   TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS14 Middle 8:4 2 09:21 21:4 7.8 25:5 6.55   TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS14 Middle 8:4 2 09:21 21:2 7.79 25:5 6.65   TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave IS14 Middle 8					<del>-</del>		+	+			2						6.05	3.7
TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS12   Surface   1   1   1   08:58   21.5   7.82   25.3   6.45							_				1						6.22	5
TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS12   Surface   1   1   2   08:58   21.4   7.78   25.2   6.38   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS12   Middle   7.8   2   2   08:58   21.4   7.74   25.3   6.5   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS12   Middle   7.8   2   2   08:58   21.3   7.77   25.4   6.55   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS12   Bottom   14.6   3   1   08:58   21.2   7.77   25.6   6.38   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS12   Bottom   14.6   3   2   08:58   21.1   7.72   25.5   6.38   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Surface   1   1   08:35   21.4   7.82   25.2   6.52   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Surface   1   1   08:35   21.4   7.82   25.2   6.52   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Surface   1   1   08:35   21.4   7.89   25.4   6.75   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Middle   6.3   2   1   08:35   21.4   7.79   25.4   6.75   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Middle   6.3   2   2   08:35   21.3   7.78   25.3   6.67   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Middle   6.3   2   2   08:35   21.3   7.78   25.4   6.55   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Sottom   11.6   3   1   08:35   21.3   7.78   25.4   6.55   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Sottom   11.6   3   2   08:35   21.3   7.78   25.4   6.55   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS14   Surface   1   1   1   09:21   21.4   7.78   25.1   6.53   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS14   Mid-Flood   Cloudy   Small Wave   IS15   Middle   8.4   2   2   09:21   21.1   7.79   25.5									13.2	3	2		_				6.19	3.1
TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS12   Middle   7.8   2   1   08:58   21.4   7.74   25.3   6.5   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS12   Middle   7.8   2   2   08:58   21.3   7.77   25.4   6.55   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS12   Bottom   14.6   3   1   08:58   21.2   7.7   25.6   6.33   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS12   Bottom   14.6   3   2   08:58   21.1   7.72   25.5   6.38   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Surface   1   1   1   08:35   21.4   7.82   25.2   6.52   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Surface   1   1   2   08:35   21.5   7.8   25.3   6.54   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Middle   6.3   2   1   08:35   21.4   7.79   25.4   6.75   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Middle   6.3   2   2   08:35   21.3   7.83   25.3   6.67   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Middle   6.3   2   2   08:35   21.3   7.83   25.3   6.67   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Bottom   11.6   3   2   08:35   21.3   7.78   25.4   6.55   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS14   Surface   1   1   09:21   21.4   7.78   25.5   6.45   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS14   Surface   1   1   09:21   21.4   7.78   25.5   6.55   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS14   Surface   1   1   09:21   21.4   7.78   25.5   6.5   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS14   Middle   8.4   2   1   09:21   21.4   7.8   25.2   6.5   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS14   Middle   8.4   2   1   09:21   21.2   7.79   25.5   6.45   TMCLKL   HY/2012/08   2014-04-18   Mid-									1	1	1						5.63	4.2
TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS12   Middle   7.8   2   2   08:58   21:3   7.77   25:4   6.55   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS12   Bottom   14:6   3   1   08:58   21:1   7.77   25:5   6.38   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Surface   1   1   1   08:35   21:4   7.82   25:2   6.52   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Surface   1   1   1   08:35   21:4   7.82   25:2   6.52   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Surface   1   1   1   08:35   21:4   7.82   25:2   6.52   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Surface   1   1   1   20:35   21:5   7.8   25:4   6.75   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Middle   6.3   2   1   08:35   21:4   7.79   25:4   6.75   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Middle   6.3   2   08:35   21:3   7.83   25:3   6.67   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Bottom   11:6   3   1   08:35   21:3   7.74   25:5   6.45   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Bottom   11:6   3   1   08:35   21:3   7.78   25:4   6.5   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Bottom   11:6   3   2   08:35   21:3   7.78   25:4   6.5   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS14   Surface   1   1   09:21   21:4   7.78   25:1   6.53   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS14   Surface   1   1   09:21   21:4   7.78   25:5   6.5   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS14   Bottom   15:8   3   1   09:21   21:3   7.77   25:3   6.68   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS14   Bottom   15:8   3   09:21   21:1   7.79   25:5   6.45   TMCLKL   HY/2012/08   2014-04-18   Mid-									1 7.0	1	2						5.61	3.7
TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS12   Bottom   14.6   3   1   08:58   21.2   7.7   25.6   6.33							_	_		2	1						5.72 5.76	3.4
TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS12   Bottom   14.6   3   2   08:58   21.1   7.72   25.5   6.38   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Surface   1   1   1   08:35   21.4   7.82   25.2   6.52   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Surface   1   1   2   08:35   21.5   7.88   25.3   6.54   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Middle   6.3   2   1   08:35   21.4   7.79   25.4   6.75   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Middle   6.3   2   2   08:35   21.3   7.83   25.3   6.67   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Middle   6.3   2   2   08:35   21.3   7.78   25.5   6.45   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Bottom   11.6   3   1   08:35   21.3   7.78   25.5   6.45   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Bottom   11.6   3   2   08:35   21.3   7.78   25.4   6.5   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS14   Surface   1   1   09:21   21.4   7.78   25.1   6.53   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS14   Surface   1   1   09:21   21.4   7.78   25.1   6.53   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS14   Middle   8.4   2   1   09:21   21.3   7.77   25.3   6.68   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS14   Middle   8.4   2   2   09:21   21.1   7.79   25.5   6.45   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS14   Middle   8.4   2   2   09:21   21.2   7.73   25.2   6.51   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS14   Middle   8.4   2   2   09:21   21.1   7.79   25.5   6.68   TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS15   Middle   6.6   2   2   09:21   21.1   7.79   25.5   6.48   TMCLKL   HY/2012/08   2014-04										2							6.08	4.4 3.9
TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Surface   1   1   1   08:35   21.4   7.82   25.2   6.52				<b>.</b>				<del> </del>		3	2						6.1	2.8
TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Surface   1   1   2   08:35   21.5   7.8   25.3   6.54								+	14.0	1	1						5.59	3.9
TMCLKL         HY/2012/08         2014-04-18   Mid-Flood         Cloudy         Small Wave         IS13   Middle         6.3         2         1 08:35         21.4 7.79         25.4   6.75           TMCLKL         HY/2012/08         2014-04-18   Mid-Flood         Cloudy         Small Wave         IS13   Bottom         11.6   3         2         2 08:35   21.3   7.83   25.3   6.67           TMCLKL         HY/2012/08         2014-04-18   Mid-Flood         Cloudy         Small Wave         IS13   Bottom         11.6   3         2 08:35   21.3   7.78   25.5   6.45           TMCLKL         HY/2012/08   2014-04-18   Mid-Flood         Cloudy         Small Wave   IS14   Surface   1         1   1   09:21   21.4   7.78   25.1   6.53           TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy         Small Wave   IS14   Surface   1   1   1   09:21   21.4   7.78   25.1   6.53           TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS14   Surface   1   1   1   2   09:21   21.3   7.77   25.3   6.68           TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS14   Middle   8.4   2   2   09:21   21.3   7.73   25.2   6.71           TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS14   Bottom   15.8   3   1   09:21   21.2   7.73   25.2   6.71           TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS14   Bottom   15.8   3   2   09:21   21.1   7.79   25.5   6.48           TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Clou					<del></del>				1	1	2						5.61	5.9
TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS13         Middle         6.3         2         2         208:35         21.3         7.83         25.3         6.67           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS13         Bottom         11.6         3         1         08:35         21.3         7.74         25.5         6.45           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS13         Bottom         11.6         3         1         08:35         21.3         7.78         25.4         6.5           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS14         Surface         1         1         1         0.92:1         21.4         7.8         25.2         6.5           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS14         Middle         8.4         2         1         0.92:1         21.4         7.8         25.2         6.5           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         <									6.3	2	1						5.7	4.4
TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS13         Bottom         11.6         3         1         08:35         21.3         7.74         25.5         6.45           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS13         Bottom         11.6         3         2         08:35         21.3         7.78         25.4         6.5           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS14         Surface         1         1         09:21         21.4         7.78         25.1         6.53           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS14         Surface         1         1         2         09:21         21.4         7.8         25.2         6.5           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS14         Middle         8.4         2         1         09:21         21.3         7.77         25.3         6.68           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS14										2	2						5.75	3.9
TMCLKL   HY/2012/08   2014-04-18   Mid-Flood   Cloudy   Small Wave   IS13   Bottom   11.6   3   2   08:35   21.3   7.78   25.4   6.5							-										5.92	6.6
TMCLKL										3	2			_			5.96	5.4
TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS14 Middle         8.4         2         1 09:21         21.3 7.77         25.3         6.68           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS14 Middle         8.4         2         2 09:21         21.2 7.73         25.2         6.71           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS14 Bottom         15.8         3         1 09:21         21.2 7.82         25.4         6.45           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS14 Bottom         15.8         3         2 09:21         21.1 7.79         25.5         6.48           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15 Surface         1         1         1 08:12         21.3 7.81         25.1         6.5           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15 Surface         1         1         2 08:12         21.4 7.84         25.2         6.47           TMCLKL         HY/2012/08         2014-04-18 Mid-F	TMCLKL	HY/2012/08			Cloudy	Small Wave	IS14	Surface	1	1	1		21.4			6.53	5.58	3
TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS14 Middle         8.4         2         2 09:21         21.2 7.73         25.2 6.71           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS14 Bottom         15.8         3         1 09:21         21.2 7.82         25.4         6.45           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15 Bottom         15.8         3         2 09:21         21.1 7.79         25.5         6.48           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15 Surface         1         1         1 08:12         21.3 7.81         25.1         6.5           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15 Surface         1         1         2 08:12         21.4 7.84         25.2 6.47           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15 Middle         6.6         2         1 08:12         21.2 7.79         25.2 6.65           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small	TMCLKL	HY/2012/08	2014-04-18	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	2	09:21	21.4	7.8	25.2	6.5	5.59	3.4
TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS14         Bottom         15.8         3         1 09:21         21.2         7.82         25.4         6.45           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS14         Bottom         15.8         3         2 09:21         21.1         7.79         25.5         6.48           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15         Surface         1         1         1 08:12         21.3         7.81         25.1         6.5           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15         Surface         1         1         2 08:12         21.4         7.84         25.2         6.47           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15         Middle         6.6         2         1         08:12         21.2         7.79         25.2         6.65           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15         Middle         6.6 <t< td=""><td>TMCLKL</td><td>HY/2012/08</td><td>2014-04-18</td><td>Mid-Flood</td><td>Cloudy</td><td>Small Wave</td><td>IS14</td><td>Middle</td><td>8.4</td><td>2</td><td>1</td><td>09:21</td><td>21.3</td><td>7.77</td><td>25.3</td><td>6.68</td><td>5.69</td><td>3.5</td></t<>	TMCLKL	HY/2012/08	2014-04-18	Mid-Flood	Cloudy	Small Wave	IS14	Middle	8.4	2	1	09:21	21.3	7.77	25.3	6.68	5.69	3.5
TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS14         Bottom         15.8         3         2 09:21         21.1         7.79         25.5         6.48           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15         Surface         1         1         1         08:12         21.3         7.81         25.1         6.5           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15         Surface         1         1         2         08:12         21.4         7.84         25.2         6.47           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15         Middle         6.6         2         1         08:12         21.2         7.79         25.2         6.65           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15         Middle         6.6         2         2         08:12         21.3         7.82         25.3         6.7           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15	TMCLKL	HY/2012/08	2014-04-18	Mid-Flood	Cloudy	Small Wave	IS14	Middle	8.4	2	2	09:21	21.2	7.73	25.2	6.71	5.71	2.8
TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15         Surface         1         1         1         08:12         21.3         7.81         25.1         6.5           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15         Surface         1         1         2         08:12         21.4         7.84         25.2         6.47           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15         Middle         6.6         2         1         08:12         21.2         7.79         25.2         6.65           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15         Middle         6.6         2         2         08:12         21.3         7.82         25.3         6.7           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15         Bottom         12.2         3         1         08:12         21.2         7.78         25.4         6.39           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave <td< td=""><td>TMCLKL</td><td>HY/2012/08</td><td>2014-04-18</td><td>Mid-Flood</td><td>Cloudy</td><td>Small Wave</td><td>IS14</td><td>Bottom</td><td>15.8</td><td>3</td><td>1</td><td>09:21</td><td>21.2</td><td>7.82</td><td>25.4</td><td>6.45</td><td>5.95</td><td>3.1</td></td<>	TMCLKL	HY/2012/08	2014-04-18	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	15.8	3	1	09:21	21.2	7.82	25.4	6.45	5.95	3.1
TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15         Surface         1         1         2         08:12         21.4         7.84         25.2         6.47           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15         Middle         6.6         2         1         08:12         21.2         7.79         25.2         6.65           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15         Middle         6.6         2         2         08:12         21.2         7.79         25.2         6.65           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15         Bottom         12.2         3         1         08:12         21.2         7.78         25.4         6.39           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15         Bottom         12.2         3         2         08:12         21.1         7.82         25.5         6.4           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave	TMCLKL	HY/2012/08			Cloudy	Small Wave	IS14	Bottom	15.8	3	2			7.79			5.98	3
TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15 Middle         6.6         2         1 08:12         21.2 7.79         25.2 6.65           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15 Middle         6.6         2         2 08:12         21.3 7.82         25.3 6.7           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15 Bottom         12.2         3         1 08:12         21.2 7.78         25.4 6.39           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15 Bottom         12.2         3         2 08:12         21.1 7.82         25.5 6.4           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         SR8 Surface         1         1         1 07:26         21.4 7.84         25.2 6.5           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         SR8 Surface         1         1         1         2 07:26         21.3 7.83         25.1 6.47           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         SR8 Middle <td>TMCLKL</td> <td>HY/2012/08</td> <td></td> <td></td> <td>Cloudy</td> <td>Small Wave</td> <td></td> <td>Surface</td> <td>1</td> <td>1</td> <td>1</td> <td>08:12</td> <td></td> <td></td> <td></td> <td></td> <td>5.69</td> <td>2.2</td>	TMCLKL	HY/2012/08			Cloudy	Small Wave		Surface	1	1	1	08:12					5.69	2.2
TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15 Middle         6.6         2         2 08:12         21.3 7.82         25.3         6.7           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15 Bottom         12.2         3         1 08:12         21.2 7.78         25.4         6.39           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15 Bottom         12.2         3         2 08:12         21.1 7.82         25.5         6.4           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         SR8 Surface         1         1         1 07:26         21.4 7.84         25.2         6.5           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         SR8 Surface         1         1         2 07:26         21.3 7.83         25.1         6.47           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         SR8 Middle         2         1 07:26         21.3 7.83         25.1         6.47								_	1	1	2						5.71	3.4
TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15         Bottom         12.2         3         1         08:12         21.2         7.78         25.4         6.39           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15         Bottom         12.2         3         2         08:12         21.1         7.82         25.5         6.4           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         SR8         Surface         1         1         1         07:26         21.4         7.84         25.2         6.5           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         SR8         Surface         1         1         1         2         07:26         21.3         7.83         25.1         6.47           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         SR8         Middle         2         1         07:26         21.3         7.83         25.1         6.47           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         SR8					<del>-</del>		_	_			1						5.81	4.6
TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         IS15         Bottom         12.2         3         2         08:12         21.1         7.82         25.5         6.4           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         SR8         Surface         1         1         07:26         21.4         7.84         25.2         6.5           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         SR8         Surface         1         1         2         07:26         21.3         7.83         25.1         6.47           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         SR8         Middle         2         1         07:26         21.3         7.83         25.1         6.47           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         SR8         Middle         2         1         07:26         21.3         7.83         25.1         6.47								1			2						5.78	4.1
TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         SR8         Surface         1         1         07:26         21.4         7.84         25.2         6.5           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         SR8         Surface         1         1         2         07:26         21.3         7.83         25.1         6.47           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         SR8         Middle         2         1         07:26         21.3         7.83         25.1         6.47				<b>.</b>			_	<del> </del>			1						6.06	4.7
TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         SR8         Surface         1         1         2         07:26         21.3         7.83         25.1         6.47           TMCLKL         HY/2012/08         2014-04-18 Mid-Flood         Cloudy         Small Wave         SR8         Middle         2         1         07:26         21.3         7.83         25.1         6.47									12.2	3	2						6.09	4.6
TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave SR8 Middle 2 1 07:26									1	1	1						5.62	3.3
							_	_	1	1	2		21.3	। . ১১১	25.1	6.47	5.58	3.5
**************************************							_			2	1							
TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave SR8 Bottom 4.6 3 1 07:26 21.2 7.85 25.2 6.38							_	1	16	2			21.2	7 25	25.2	£ 30	6.01	2.9
TMCLKL HY/2012/08 2014-04-18 Mid-Flood Cloudy Small Wave SR8 Bottom 4.6 3 2 07:26 21.2 7.85 25.2 6.38								+		3	<u> </u>							

MCKLK   MY201208   2014-04-18 Md-Flood   Cloudy   Small Wave   SR0   Surface   1   1   07-09   21.3   7.89   20.2   0.47	ect W	Vorks	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCKER   MY201208   2014-04-19   Mode Poed   Cloudy   Small Wave   SR0   Models   2   1   07-40									1	1	1						5.64	3.2
TRUCKE, H7/201208   2014-04-19   Mod-Floud   Cloudy   Small Wave   SR9   Biotion   4.2   3   1   748   21.3   7.65   25.4   6.38   INCLES, H7/201208   2014-04-19   Mod-Floud   Cloudy   Small Wave   SR9   Biotion   4.2   3   1   0.748   21.3   7.65   25.4   6.38   INCLES, H7/201208   2014-04-19   Mod-Floud   Cloudy   Small Wave   SR10   Small									1	1	2		21.4	7.89	25.3	6.47	5.66	2.6
TMCLIK, HY201208   2014-04-18   Mof-Flood   Cloudy   Small Wave   SR9   Bottom   4.2   3   1   07-08   21.3   7.88   2.5.4   6.38						_					1							·
TRICKLK, HY201208   2014-04-19   Mof-Flood   Coouty   Smow Wave   SR9   Bottom   4.2   3   2   07-48   21.2   7.86   25.5   6.34							_	_	4.0		2		24.2	7.05	25.4	6.20	6.04	2.4
TMCLIK, HY/201208   2014-04-19 Mad-Flood   Cloudy   Small Warw   SR10A   Surface   1   1   0.7030   21.4   7.85   25.1   6.48							_	1			1						6.01 5.99	2.1 3.1
TMCLIK, HY/2012/08   2014-04-18 MacFlood   Cloudy   Small Wave   SR10A   Sufface   1   1   2,0703   21.5   7.88   25.2   6.51									4.2	3	1						5.71	4.9
Trickin, Hy/201208   2014-04-18   Mid-Phod   Cloudy   Small Warw   SR10A   Models   7.7   2   1   07:08   21.3   7.84   26.4   6.62   Trickin, Hy/201208   2014-04-18   Mid-Phod   Cloudy   Small Warw   SR10A   Models   7.7   2   2   07:08   21.3   7.84   26.4   6.62   Trickin, Hy/201208   2014-04-18   Mid-Phod   Cloudy   Small Warw   SR10A   Bottom   14.4   3   0.703   21.3   7.78   26.4   6.39   Trickin, Hy/201208   2014-04-18   Mid-Phod   Cloudy   Small Warw   SR10A   Bottom   14.4   3   0.703   21.3   7.78   26.4   6.39   Trickin, Hy/201208   2014-04-18   Mid-Phod   Fire   Small Warw   SR10A   Bottom   14.4   3   0.703   21.3   7.8   26.2   6.67   Mid-Phod   Cloudy   Small Warw   SR10A   Bottom   14.4   3   0.703   21.5   7.8   26.2   6.67   Mid-Phod   Cloudy   Small Warw   SR10A   Bottom   14.4   3   0.703   21.5   7.8   26.2   6.67   Mid-Phod   Cloudy   Small Warw   SR10A   Bottom   14.4   3   0.703   21.5   7.8   26.2   6.67   Mid-Phod   Cloudy   Small Warw   CSA   Sufface   1   1   1   1.007   21.5   7.8   26.2   6.67   Mid-Phod   Cloudy   Small Warw   SR10A   Mid-Phod   Cloudy   Small Warw   CSA   Mid-Phod   Cloudy   Small Warw   SR10A   Mid-Phod   Cloudy   Small Warw   CSA   Mid-Phod   Cloudy   Small Warw   SR10A   Cloudy							+		1	1	2						5.69	5.6
TMCLIK   H7/2012/09									7.7	2	1						5.8	4.7
TMCLK, HY201208											2						5.77	5.5
TMCLIG.   HY201208   2014-04-18   Mid-Ebb   Fine   Small Wave   CS4   Surface   1   1   1   13:07   21:6   7.8   25:2   6.67					-		_			3	1						6.18	4.9
TMCLIK   HY2012096   2014-04-18   Mode-Ebb   Fine   Small Wave   CS4   Surface   1   1   2   13:07   21:5   7:8   25:2   6.64	_KL H	IY/2012/08	2014-04-18	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	14.4	3	2	07:03	21.2	7.81	25.5	6.37	6.16	7
TMCLICA	_KL H	IY/2012/08	2014-04-18	Mid-Ebb	Fine	Small Wave	CS4	Surface	1	1	1	13:07	21.6	7.8	25.2	6.67	5.87	5.1
TMCLICA	_KL H	IY/2012/08	2014-04-18	Mid-Ebb	Fine	Small Wave	CS4	Surface	1	1	2	13:07	21.6	7.8		6.64	5.9	5
TMCLUL   HY/201208   2014-04-18   MM-Ebb   Fine   Small Wave   CS4   Sottom   21.6   3   2   13.07   21.4   7.8   22.5   6.3					Fine	Small Wave				2	1	13:07					5.98	3.2
TMCLKL   MY201208   2014-04-18   MM-Ebb   Fine   Small Wave   CS8   Surface   1   1   15:35   21.8   7.8   22.5   6.65											2						5.92	4.6
TMCLKL   HY/201208   2014-04-18   Mid-Ebb   Fine   Small Wave   CS6   Surface   1   1   15:35   21:8   7.8   25:2   6.52							_				1						6.24	3.7
TMCLKL   HY/2012/08   2014-04-18   Mid-Ebb   Fine   Small Wave   CS6   Middle   0.9   2   1   15.35   21.8   7.81   25.2   6.48   TMCLKL   HY/2012/08   2014-04-18   Mid-Ebb   Fine   Small Wave   CS6   Middle   0.9   2   1   15.35   21.5   7.82   25.5   6.26   CS6   Middle   CS6   Middle   CS6   CS6   Middle   CS6   CS6   Middle   CS6   CS									21.6	3	2						6.2	4
TMCLKL   HY201208   2014-04-18   Mid-Ebb   Fine   Small Wave   CS6   Middle   6.9   2   1   15:35   21.5   7.81   25.4   6.21									1	1	1						6.08	3
TMCLKL   HY/2012/08   2014-04-18   Mid-Ebb   Fine   Small Wave   CS6   Bottom   12.8   3   1.15:36   21.4   7.81   25.5   6.26							-		1	1	2						6.01	2.2
TMCLKL   HY/2012/08   2014-04-18   Mid-Ebb   Fine   Small Wave   CS6   Bottom   12.8   3   1   15:35   21.4   7.81   25.5   6.13							_				1						5.98 5.92	2.8
TMCLKL   HY/2012/08   2014-04-18   Mid-Ebb   Fine   Small Wave   IS12   Surface   1   1   1   13.57   21.7   7.76   25.2   6.68							-				1						6.34	2.0
TMCLKL   HY/2012/08   2014-04-18   Mid-Ebb   Fine   Small Wave   IS12   Surface   1   1   1   13:57   21:7   7.78   25:2   6.6							+				2						6.29	3.1
TMCLKL   HY/2012/08   2014-04-18   Mid-Ebb   Fine   Small Wave   IS12   Middle   7.6   2   1   13:57   21.7   7.76   25.5   6.63									12.0	1	1						5.92	5
TMCLKL   HY/2012/08   2014-04-18   Mid-Ebb   Fine   Small Wave   IS12   Middle   7.6   2   1   13:57   21.5   7.79   25.5   6.44							_	_	1	1	2						5.98	4.4
TMCLKL   HY/2012/08   2014-04-18   Mid-Ebb   Fine   Small Wave   IS12   Bottom   14.2   3   1   13:57   21.4   7.8   25.5   6.32									7.6	2				_			5.98	4.4
TMCLKL   HY/2012/08   2014-04-18   Mid-Ebb   Fine   Small Wave   IS12   Bottom   14.2   3   1   13:57   2.1 4   7.8   25.5   6.32							_				2						5.92	3.2
TMCLKL   HY/2012/08   2014-04-18   Mid-Ebb   Fine   Small Wave   IS13   Surface   1   1   1   14:16   21.7   7.82   25.1   6.58	_KL H	IY/2012/08	2014-04-18	Mid-Ebb	Fine	Small Wave	IS12	Bottom	14.2	3	1		21.4		25.5	6.32	6.14	6
TMCLKL   HY/2012/08   2014-04-18   Mid-Ebb   Fine   Small Wave   IS13   Surface   1   1   2   14:16   21.7   7.82   25.1   6.54	_KL H	IY/2012/08	2014-04-18	Mid-Ebb	Fine	Small Wave	IS12	Bottom	14.2	3	2	13:57	21.4	7.81	25.5	6.28	6.07	4.6
TMCLKL   HY/2012/08   2014-04-18   Mid-Ebb   Fine   Small Wave   IS13   Middle   5.9   2   1   14:16   21.6   7.81   25.4   6.44	_KL H	IY/2012/08			Fine	Small Wave	IS13	Surface	1	1	1	14:16	21.7	7.82		6.58	5.62	4.5
TMCLKL   HY/2012/08   2014-04-18   Mid-Ebb   Fine   Small Wave   IS13   Middle   5.9   2   2   14:16   21.6   7.81   25.3   6.4									1	1	2						5.59	5
TMCLKL   HY/2012/08   2014-04-18   Mid-Ebb   Fine   Small Wave   IS13   Bottom   10.8   3   1   14:16   21.5   7.82   25.5   6.31										2	1						5.87	4.5
TMCLKL   HY/2012/08   2014-04-18   Mid-Ebb   Fine   Small Wave   IS13   Bottom   10.8   3   2   14:16   21.4   7.82   25.5   6.28						_					2						5.82	3.6
TMCLKL   HY/2012/08   2014-04-18   Mid-Ebb   Fine   Small Wave   IS14   Surface   1   1   1   13:37   21:6   7.79   25:1   6:53							_				1						5.94	5.4
TMCLKL   HY/2012/08   2014-04-18   Mid-Ebb   Fine   Small Wave   IS14   Surface   1   1   2   13:37   21.5   7.78   25.1   6.5									10.8	3	2						5.9	5.9
TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS14 Middle         8.1         2         1         13:37         21.4         7.81         25.4         6.39           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS14 Middle         8.1         2         2         13:37         21.4         7.81         25.3         6.34           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS14 Bottom         15.2         3         1         13:37         21.4         7.8         25.5         6.27           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS15 Bottom         15.2         3         2         13:37         21.5         7.81         25.4         6.24           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS15 Surface         1         1         1         14:34         21.7         7.8         25.1         6.5           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS15 Middle         6.2         2         1         14:34									1	1	1						6.04	5.1
TMCLKL         HY/2012/08         2014-04-18         Mid-Ebb         Fine         Small Wave         IS14         Middle         8.1         2         2         13:37         21.4         7.81         25.3         6.34           TMCLKL         HY/2012/08         2014-04-18         Mid-Ebb         Fine         Small Wave         IS14         Bottom         15.2         3         1         13:37         21.4         7.8         25.5         6.27           TMCLKL         HY/2012/08         2014-04-18         Mid-Ebb         Fine         Small Wave         IS14         Bottom         15.2         3         2         13:37         21.5         7.81         25.4         6.24           TMCLKL         HY/2012/08         2014-04-18         Mid-Ebb         Fine         Small Wave         IS15         Surface         1         1         14:34         21.7         7.8         25.1         6.54           TMCLKL         HY/2012/08         2014-04-18         Mid-Ebb         Fine         Small Wave         IS15         Middle         6.2         2         1         14:34         21.5         7.81         25.3         6.26           TMCLKL         HY/2012/08         2014-04-18         Mid-Ebb									0.1	1							6.01 6.17	6.9 9.3
TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS14         Bottom         15.2         3         1 13:37         21.4         7.8         25.5         6.27           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS14         Bottom         15.2         3         2 13:37         21.5         7.81         25.4         6.24           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS15         Surface         1         1         1 1:3:37         21.5         7.81         25.4         6.24           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS15         Surface         1         1         1 1:3:37         21.4         7.8         25.1         6.24           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS15         Middle         6.2         2         1 1:4:34         21.7         7.8         25.1         6.5           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS15         Middle         6.2         2         1 1:4:34										2	2						6.23	9.5
TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS14         Bottom         15.2         3         2         13:37         21.5         7.81         25.4         6.24           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS15         Surface         1         1         1         14:34         21.7         7.8         25.1         6.54           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS15         Surface         1         1         1         14:34         21.7         7.8         25.1         6.5           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS15         Middle         6.2         2         1         14:34         21.5         7.81         25.3         6.26           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS15         Bottom         11.4         3         1         14:34         21.5         7.81         25.3         6.22           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS15         B										3	1						5.9	11.1
TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS15         Surface         1         1         1 4:34         21.7         7.8         25.1         6.54           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS15         Surface         1         1         2 14:34         21.7         7.8         25.1         6.5           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS15         Middle         6.2         2         1         14:34         21.7         7.8         25.1         6.5           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS15         Middle         6.2         2         1         14:34         21.5         7.81         25.3         6.26           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS15         Bottom         11.4         3         1         14:34         21.4         7.81         25.4         6.29           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         SR8         Surface         1								_			2						5.96	12.6
TMCLKL         HY/2012/08         2014-04-18         Mid-Ebb         Fine         Small Wave         IS15         Surface         1         1         2         14:34         21.7         7.8         25.1         6.5           TMCLKL         HY/2012/08         2014-04-18         Mid-Ebb         Fine         Small Wave         IS15         Middle         6.2         2         1         14:34         21.5         7.81         25.3         6.26           TMCLKL         HY/2012/08         2014-04-18         Mid-Ebb         Fine         Small Wave         IS15         Middle         6.2         2         2         14:34         21.5         7.81         25.3         6.26           TMCLKL         HY/2012/08         2014-04-18         Mid-Ebb         Fine         Small Wave         IS15         Bottom         11.4         3         1         14:34         21.4         7.81         25.4         6.29           TMCLKL         HY/2012/08         2014-04-18         Mid-Ebb         Fine         Small Wave         IS15         Bottom         11.4         3         2         14:34         21.5         7.81         25.5         6.25           TMCLKL         HY/2012/08         2014-04-18									1	1	1						5.9	4.5
TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS15 Middle         6.2         2         1 14:34         21.5         7.81         25.3         6.26           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS15 Middle         6.2         2         2 14:34         21.5         7.81         25.3         6.22           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS15 Bottom         11.4         3         1 14:34         21.4         7.81         25.4         6.29           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS15 Bottom         11.4         3         2 14:34         21.5         7.81         25.5         6.29           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         SR8 Surface         1         1         1 15:15         21.7         7.8         25.3         6.47           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         SR8 Middle         2         1 15:15         21.7         7.8         25.3         6.44           TMCLKL									1	1	2						5.94	5.3
TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS15         Bottom         11.4         3         1 14:34         21.4         7.81         25.4         6.29           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS15         Bottom         11.4         3         2 14:34         21.5         7.81         25.5         6.25           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         SR8         Surface         1         1         1 5:15         21.7         7.8         25.3         6.47           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         SR8         Middle         2         1 15:15         21.7         7.8         25.3         6.47           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         SR8         Middle         2         1 15:15         21.7         7.8         25.3         6.44           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         SR8         Middle         2         2         15:15         2         2         2							_		6.2	2	1						6.03	3.9
TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         IS15         Bottom         11.4         3         2 14:34         21.5         7.81         25.5         6.25           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         SR8         Surface         1         1         15:15         21.7         7.8         25.3         6.47           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         SR8         Surface         1         1         2         15:15         21.7         7.8         25.3         6.44           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         SR8         Middle         2         1         15:15         2         1         15:15         2         1         15:15         2         1         15:15         2         1         15:15         2         1         15:15         2         1         15:15         2         1         15:15         2         1         15:15         2         1         15:15         2         2         1         15:15         2         2         2         1							_				2						6.06	3.5
TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         SR8         Surface         1         1         1 5:15         21.7         7.8         25.3         6.47           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         SR8         Surface         1         1         2         15:15         21.7         7.8         25.3         6.44           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         SR8         Middle         2         1         15:15         3         1         15:15         3         1         15:15         2         2         2         15:15         3         1         15:15         3         1         15:15         3         1         15:15         3         1         15:15         2         2         2         15:15         2 <td< td=""><td>_KL H</td><td>IY/2012/08</td><td>2014-04-18</td><td>Mid-Ebb</td><td>Fine</td><td>Small Wave</td><td>IS15</td><td>Bottom</td><td>11.4</td><td>3</td><td>1</td><td>14:34</td><td>21.4</td><td>7.81</td><td>25.4</td><td>6.29</td><td>6.11</td><td>4.7</td></td<>	_KL H	IY/2012/08	2014-04-18	Mid-Ebb	Fine	Small Wave	IS15	Bottom	11.4	3	1	14:34	21.4	7.81	25.4	6.29	6.11	4.7
TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         SR8         Surface         1         1         2         15:15         21.7         7.8         25.3         6.44           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         SR8         Middle         2         1         15:15         21.7         7.8         25.3         6.44           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         SR8         Middle         2         1         15:15         21.5         7.81         25.4         6.26           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         SR8         Bottom         4.2         3         1         15:15         21.5         7.81         25.4         6.26	_KL H	IY/2012/08			Fine	Small Wave	IS15	Bottom	11.4	3	2	14:34	21.5	7.81	25.5	6.25	6.07	3.9
TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         SR8 Middle         2         1 15:15         1									1	1	1						5.95	2.3
TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         SR8 Middle         2         2         15:15         3         1         15:15         21.5         7.81         25.4         6.26							_		1	1	2		21.7	7.8	25.3	6.44	5.98	2.7
TMCLKL HY/2012/08 2014-04-18 Mid-Ebb Fine Small Wave SR8 Bottom 4.2 3 1 15:15 21.5 7.81 25.4 6.26										2	1							
							_	_		2	2		<u> </u>	7.04	<u> </u>		2.5-	
INICLKL     17/2012/08   2014-04-18   MIG-EDD   FINE   SMAII WAVE   SK8   BOTTOM   4.2   3   2   15:15   21.5   7.81   25.3   6.3											1						6.27	2.6
TMCLKI   INV/2042/09   2044-04-40 Mid-Ehb   Eine   Omesil Wester   4   4   44-Eq   04-q   7-C4   05-q   05-q									4.2	3	2						6.22	3.8
TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         SR9         Surface         1         1         14:59         21.6         7.81         25.2         6.63           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         SR9         Surface         1         1         2         14:59         21.6         7.81         25.2         6.6						_		+	1	1	1						5.74 5.7	2.6 2.8
TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         SR9         Surface         1         1         2         14:59         21.6         7.81         25.2         6.6           TMCLKL         HY/2012/08         2014-04-18 Mid-Ebb         Fine         Small Wave         SR9         Middle         2         1         14:59         2         1         14:59         3         1         14:59         3         1         14:59         1         14:59         3         1         14:59         1         14:59         3         1         14:59         1         14:59         3         1         14:59         3         1         14:59         3         14:59         3         14:59         3         1         14:59         3         14:59         3         14:59         3         14:59         3         14:59         3         14:59         3         14:59         3         14:59         3         14:59         3         14:59         3         14:59         3         14:59         3         14:59         3         14:59         3         14:59         3         14:59         3         14:59         3         14:59         <									1	1	2			7 .۵۱	25.2	6.6	5.7	2.8

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-04-18		Fine	Small Wave	SR9	Middle		2	2	14:59						
TMCLKL	HY/2012/08	2014-04-18		Fine	Small Wave	SR9	Bottom	4	3	1	14:59	21.5		25.4	6.39	5.95	
TMCLKL	HY/2012/08	2014-04-18		Fine	Small Wave	SR9	Bottom	4	3	2	14:59	21.5		25.4	6.36	5.9	
TMCLKL	HY/2012/08	2014-04-18		Fine	Small Wave	+	Surface	1	1	1	16:10	21.7		25.3	6.45	6.12	
TMCLKL	HY/2012/08	2014-04-18		Fine	Small Wave		Surface	1 70	1	2	16:10	21.7	-	25.3	6.41	6.16	
TMCLKL	HY/2012/08	2014-04-18		Fine	Small Wave	_	Middle	7.3		1	16:10	21.6	-	25.4	6.29	6.06	
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-18 2014-04-18		Fine Fine	Small Wave Small Wave	1	Middle	7.3 13.6			16:10	21.5	7.82	25.4 25.4	6.25 6.11	6.02 6.22	
TMCLKL	HY/2012/08	2014-04-18		Fine	Small Wave	+	Bottom Bottom	13.6		2	16:10 2 16:10	21.3		25.5	6.09	6.22	
TMCLKL	HY/2012/08	2014-04-10		Cloudy	Small Wave	CS4	Surface	13.0	1	1	11:34		7.76	25.6	6.36	2.79	
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	CS4	Surface	1	1	2	11:34	21.6		25.2	6.32	2.81	
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	CS4	Middle	11.7	2	1	11:34	21.4		25.4	6.44	2.84	
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	CS4	Middle	11.7	2	2	11:34	21.5		25.8	6.48	2.85	
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	CS4	Bottom	22.4	3	1	11:34	21.6	_	25.1	6.31	2.85	
TMCLKL	HY/2012/08	2014-04-21	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	22.4	3	2	11:34	21.5	7.78	25.2	6.32	2.87	4.3
TMCLKL	HY/2012/08	2014-04-21	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	1	08:30	21.5	7.82	25.3	6.54	2.86	
TMCLKL	HY/2012/08	2014-04-21	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	2	08:30	21.6	7.84	25.2	6.56	2.87	4.3
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	CS6	Middle	6.9		1	08:30	21.5		25.2	6.69	2.89	5.6
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	CS6	Middle	6.9		2	08:30	21.5		25.2	6.67	2.9	5.3
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	CS6	Bottom	12.8		1	08:30	21.5		25.4	6.5	2.86	
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	CS6	Bottom	12.8	3	2	08:30	21.4		25.6	6.49	2.87	5.1
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	IS12	Surface	1	1	1	10:48	21.5		25.3	6.4	2.82	
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	IS12	Surface	1 77	1	2	10:48	21.5	_	25.2	6.38	2.84	3.8
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-21		Cloudy	Small Wave Small Wave	IS12 IS12	Middle Middle	7.7 7.7		1	10:48	21.6 21.5		25.5 25.6	6.44	2.89 2.87	
TMCLKL	HY/2012/08	2014-04-21		Cloudy Cloudy	Small Wave	IS12	Bottom	14.4			10:48	21.5	7.65	25.5 25.5	6.29	2.86	
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	IS12	Bottom	14.4	_	2	10:48	21.7	-	25.3	6.33	2.87	
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	IS13	Surface	1 1	1	1	10:46		7.78	25.1	6.45	2.8	
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	IS13	Surface	1	1	2	10:25	21.4		25.2	6.47	2.82	
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	IS13	Middle	6.2	2	1	10:25	21.4	_	25.1	6.67	2.84	3.5
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	IS13	Middle	6.2		2	10:25	21.5		25.3	6.64	2.86	
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	IS13	Bottom	11.4	3	1	10:25	21.5	7.69	25.6	6.4	2.86	4.4
TMCLKL	HY/2012/08	2014-04-21	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	11.4	3	2	10:25	21.4	7.68	25.5	6.43	2.87	3.5
TMCLKL	HY/2012/08	2014-04-21	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	1	11:11	21.6	7.7	25	6.46	2.8	
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	IS14	Surface	1	1	2	11:11	21.7	7.72	25.2	6.42	2.84	
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	IS14	Middle	8.4		1	11:11	21.5		25.3	6.6	2.86	
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	IS14	Middle	8.4	2	2	11:11	21.6	-	25.3	6.64	2.88	
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	IS14	Bottom	15.7	3	1	11:11	21.5		25.3	6.4	2.82	
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	IS14	Bottom	15.7	3	2	11:11	21.5		25.2	6.38	2.81	
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	IS15	Surface	1	1	1	10:02		7.76	25.2	6.42	2.84	
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	IS15	Surface	1 0.4	1	2	10:02		7.78	25.1	6.45	2.85	
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-21 2014-04-21		Cloudy Cloudy	Small Wave Small Wave	IS15 IS15	Middle Middle	6.4 6.4			10:02		7.33 7.36	25.4 25.3	6.6 6.64	2.87 2.88	
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	IS15	Bottom	11.8		1	10:02		7.71	25.4	6.35	2.86	
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	IS15	Bottom	11.8		2	10:02	21.4		25.4	6.36	2.88	
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	SR8	Surface	1 1	1	1	09:16		7.77	25.2	6.42	2.85	
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	SR8	Surface	1	1	2	09:16		7.78	25	6.44	2.86	
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	SR8	Middle		2	1	09:16				<b>U.</b> 1. 1		<u> </u>
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	SR8	Middle		2	2	09:16						
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	SR8	Bottom	4.8	3	1	09:16	21.5	7.78	25.2	6.34	2.89	
TMCLKL	HY/2012/08	2014-04-21	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.8	3	2	09:16	21.6	7.76	25.1	6.3	2.9	
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	SR9	Surface	1	1	1	09:39	21.6		25.3	6.48	2.82	
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	SR9	Surface	1	1	2	09:39	21.4	7.72	25.5	6.44	2.83	4.3
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	SR9	Middle		2	1	09:39						
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	SR9	Middle		2	2	09:39						<u> </u>
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	SR9	Bottom	4.6		1	09:39	21.4		25.3	6.3	2.86	
TMCLKL	HY/2012/08	2014-04-21	Mid-Flood	Cloudy	Small Wave	SR9	Bottom	4.6	3	2	09:39	21.5	7.76	25.4	6.32	2.85	4.4

Indicate	te	Date	т	Γide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TRICKLK, HY201208   2014-04-21   MoFPood   Cloudy   Small Wave   SR10A   Middle   7.4   2   1   0.855   21.5   7.76   2.5   4   0.85   INCLK, HY201208   2014-04-21   MoFPood   Cloudy   Small Wave   SR10A   Middle   7.4   2   2   0.855   21.5   7.77   2.5   5.36   INCLK, HY201208   2014-04-21   MoFPood   Cloudy   Small Wave   SR10A   Bottom   13.8   3   1   0.855   21.5   7.77   2.5   5.36   INCLK, HY201208   2014-04-21   MoFPood   Cloudy   Small Wave   SR10A   Bottom   13.8   3   1   0.855   21.5   7.77   2.5   5.36   INCLK, HY201208   2014-04-21   MoFPood   Cloudy   Small Wave   SR10A   Bottom   13.8   3   1   0.855   21.5   7.77   2.5   5.30   INCLK, HY201208   2014-04-21   MoFPood   Cloudy   Small Wave   SR10A   Bottom   13.8   3   0.855   21.5   7.77   2.5   5.30   INCLK, HY201208   2014-04-21   MoFPood   Cloudy   Small Wave   SR10A   ModRe   11.8   2   2   15.41   21.5   7.77   2.5   6.4   INCLK, HY201208   2014-04-21   MoFPood   Cloudy   Small Wave   CSR   Bottom   2.6   3   2   15.41   21.3   7.66   2.5   3   8.39   INCLK, HY201208   2014-04-21   MoFPood   Cloudy   Small Wave   CSR   Bottom   2.6   3   2   15.41   21.1   7.84   2.5   3   6.2   INCLK, HY201208   2014-04-21   MoFPood   Cloudy   Small Wave   CSR   Bottom   2.6   3   2   15.41   21.1   7.84   2.5   3   6.2   INCLK, HY201208   2014-04-21   MoFPood   MoFPood   Cloudy   Small Wave   CSR   Bottom   2.6   3   2   15.41   21.1   7.84   2.5   3   6.2   INCLK, HY201208   2014-04-21   MoFPood   Cloudy   Small Wave   CSR   Bottom   2.6   3   2   15.41   21.1   7.84   2.5   6.2   INCLK, HY201208   2014-04-21   MoFPood   Cloudy   Small Wave   CSR   Bottom   2.6   3   2   15.41   21.1   7.84   2.5   6.2   INCLK, HY201208   2014-04-21   MoFPood   Cloudy   Small Wave   CSR   Bottom   3.1   3   1.850   21.6   7.77   2.5   6.42   INCLK, HY201208   2014-04-21   MoFPood   Cloudy   Small Wave   CSR   Bottom   3.1   3   1.850   21.6   7.77   2.5   6.40   INCLK, HY201208   2014-04-21   MoFPood   Cloudy   Small Wave   CSR   Bottom   3.1   3   1.850   21.6   7.77		-							1	1	1	_					2.83	4.9
TMACIK.   HYZ011208   2014-04-21   Mid-Flood   Cloudy   Small Wave   SR10A   Middle   7-4   2   2   0.65:3   21.4   7.78   2.9.2   6.5.3   TMACIK.   HYZ011208   2014-04-21   Mid-Flood   Cloudy   Small Wave   SR10A   Bottom   13.8   3   1   0.65:5   21.5   7.74   2.5.5   6.3.2   TMACIK.   HYZ011208   2014-04-21   Mid-Flood   Cloudy   Small Wave   SR10A   Bottom   13.8   3   2   0.65:5   21.5   7.74   2.5.5   6.3.2   TMACIK.   HYZ011208   2014-04-21   Mid-Flood   Cloudy   Small Wave   SR10A   Bottom   13.8   3   2   0.65:5   21.5   7.74   2.5.5   6.3.2   TMACIK.   HYZ011208   2014-04-21   Mid-Flood   Cloudy   Small Wave   CS4   Surface   1   1   2   15.4   21.5   7.75   2.5.1   6.31   TMACIK.   HYZ011208   2014-04-21   Mid-Flood   Cloudy   Small Wave   CS4   Surface   1   2   15.4   21.5   7.75   2.5.1   6.31   TMACIK.   HYZ011208   2014-04-21   Mid-Flood   Cloudy   Small Wave   CS4   Surface   1   2   15.4   21.5   7.75   2.5.1   6.31   TMACIK.   HYZ011208   2014-04-21   Mid-Flood   Cloudy   Small Wave   CS4   Bottom   2.2   6   3   1   15.4   21.2   7.6   2.5.4   6.25   TMACIK.   HYZ011208   2014-04-21   Mid-Flood   Cloudy   Small Wave   CS4   Bottom   2.2   6   3   1   15.4   21.2   7.6   2.5.4   6.25   TMACIK.   HYZ01208   2014-04-21   Mid-Flood   Cloudy   Small Wave   CS4   Surface   1   1   1   1   1   1   1   1   1									1 1	1	2	_					2.85	
TRICKIK									+		1						2.86	
TRICIAL   HY201208   2014-04-21   Mol-Ebb   Cloudy   Small Wave   SR10A   Bottom   13.8   3   2   08.93   21.5   7.74   2.5.5   6.32   TRICIAL   HY201208   2014-04-21   Mol-Ebb   Cloudy   Small Wave   CS4   Surface   1   1   15.41   21.6   7.75   2.5   6.31   TRICIAL   HY201208   2014-04-21   Mol-Ebb   Cloudy   Small Wave   CS4   Surface   1   1   2   15.41   7.76   2.5   6.31   TRICIAL   HY201208   2014-04-21   Mol-Ebb   Cloudy   Small Wave   CS4   Surface   1   1   2   15.41   7.64   22.2   6.4   TRICIAL   HY201208   2014-04-21   Mol-Ebb   Cloudy   Small Wave   CS4   Molde   11.8   2   15.41   7.61   21.3   7.68   23.8   6.38   Molde   11.8   2   15.41   7.61   21.3   7.68   23.8   6.38   Molde   11.8   2   15.41   7.61   21.3   7.68   23.8   6.38   Molde   11.8   2   15.41   7.61   21.3   7.68   23.8   6.38   Molde   11.8   2   15.41   7.61   21.3   7.68   23.8   6.38   Molde   11.8   2   15.41   7.61   21.3   7.68   23.8   6.38   Molde   11.8   2   15.41   7.61   21.3   7.68   23.8   6.38   Molde   11.8   2   15.41   7.61   21.3   7.68   23.8   6.38   Molde   11.8   2   15.41   7.61   21.3   7.68   23.8   6.38   Molde   11.8   7.61   21.3   7.68   23.8   6.38   Molde   7.61   21.3   7.62   21.4   7.61   23.3   6.45   Molde   7.61   23.3   7.61   23.3   6.45   Molde   7.61   23.3   7.6		-							+		2						2.87	4.6
TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS4   Surface   1   1   1   1   1   4:41   2:15   7.77   25   6:33   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS4   Middle   11.8   2   1   15:41   2:15   7.75   25:1   6:34   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS4   Middle   11.8   2   1   15:41   2:14   7.64   25:2   6:4   Middle   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS4   Middle   11.8   2   1   15:41   2:13   7.66   25:3   6:38   Middle   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS4   Silvare   CS4   Middle   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS6   Silvare   CS6   Silvare   CS6   CS7			_								<u> </u>			-			2.85 2.87	
TMCLK, HY/201208									13.0	3	1			_			2.73	
TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS4   Middle   11.8   2   1   15.41   21.4   7.64   25.2   6.4   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS4   Bottom   22.6   3   1   15.41   21.2   7.82   25.4   6.23   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS4   Bottom   22.6   3   1   15.41   21.2   7.82   25.4   6.25   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS4   Bottom   22.6   3   2   15.41   21.1   7.84   25.3   6.25   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS6   Surface   1   1   1   18.50   21.6   7.77   2.5   6.45   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS6   Surface   1   1   2   18.50   21.6   7.77   2.5   6.45   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS6   Middle   7.1   2   1   18.50   21.6   7.78   25.1   6.63   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS6   Middle   7.1   2   2   18.50   21.5   7.67   25.1   6.63   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS6   Bottom   13.1   3   1   18.50   21.6   7.78   25.3   6.43   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS6   Bottom   13.1   3   2   18.50   21.3   7.8   25.4   6.45   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS6   Bottom   13.1   3   2   18.50   21.3   7.8   25.4   6.45   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS6   Bottom   13.1   3   2   18.50   21.4   7.78   25.3   6.45   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS6   Bottom   13.1   3   2   18.50   21.4   7.78   25.6   6.35   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS6   Mid-Ebb   Cloud								<del>                                     </del>	1	1	2						2.75	
TMCLIC, HY/2012/08   2014-04-21 Mid-Ebb   Cloudy   Small Wave   CS4   Middle   11.8   2   2   15.41   21.3   7.66   25.3   6.38   TMCLIC, HY/2012/08   2014-04-21 Mid-Ebb   Cloudy   Small Wave   CS4   Bottom   22.6   3   1   15.41   21.1   7.42   25.3   6.25   TMCLIC, HY/2012/08   2014-04-21 Mid-Ebb   Cloudy   Small Wave   CS8   Suffoce   1   1   1   18.50   21.6   7.77   25   6.43   TMCLIC, HY/2012/08   2014-04-21 Mid-Ebb   Cloudy   Small Wave   CS8   Suffoce   1   1   1   18.50   21.6   7.75   25   6.45   TMCLIC, HY/2012/08   2014-04-21 Mid-Ebb   Cloudy   Small Wave   CS8   Suffoce   1   1   2   18.50   21.6   7.75   25   6.45   TMCLIC, HY/2012/08   2014-04-21 Mid-Ebb   Cloudy   Small Wave   CS8   Middle   7.1   2   18.50   21.6   7.75   25   6.45   TMCLIC, HY/2012/08   2014-04-21 Mid-Ebb   Cloudy   Small Wave   CS8   Middle   7.1   2   2   18.50   21.4   7.60   25.2   6.61   TMCLIC, HY/2012/08   2014-04-21 Mid-Ebb   Cloudy   Small Wave   CS8   Middle   7.1   2   2   18.50   21.4   7.60   25.2   6.61   TMCLIC, HY/2012/08   2014-04-21 Mid-Ebb   Cloudy   Small Wave   CS8   Middle   7.1   2   2   18.50   21.4   7.60   25.2   6.61   TMCLIC, HY/2012/08   2014-04-21 Mid-Ebb   Cloudy   Small Wave   CS8   Middle   7.1   2   2   18.50   21.4   7.60   25.2   6.61   TMCLIC, HY/2012/08   2014-04-21 Mid-Ebb   Cloudy   Small Wave   CS8   Middle   7.8   2   1   16.22   21.7   7.60   25.1   6.33   TMCLIC, HY/2012/08   2014-04-21 Mid-Ebb   Cloudy   Small Wave   S12   Sintore   S12   Sintore   S12   Sintore   S12   Sintore   S12   Sintore   S13   Sintore   S14   Sintore									11.8	2	1						2.89	
TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS4   Bottom   22.6   3   1   15.41   21.2   7.82   25.4   6.23   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS6   Surface   1   1   1   18.50   21.6   7.77   25   6.45   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS6   Surface   1   1   1   18.50   21.6   7.77   25   6.45   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS6   Surface   1   1   1   18.50   21.6   7.77   25   6.45   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS6   Middle   7.1   2   18.50   21.6   7.67   25.1   6.03   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS8   Middle   7.1   2   2   18.50   21.4   7.69   25.2   6.61   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS8   Bottom   13.1   3   1   18.50   21.6   7.78   25.3   6.43   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS8   Bottom   13.1   3   2   18.50   21.3   7.8   25.4   6.45   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS8   Surface   1   1   1   16.22   21.7   7.67   25   6.39   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS8   Surface   1   1   1   16.22   21.7   7.67   25   6.39   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   S12   Middle   7.8   2   1   16.22   21.7   7.78   25.2   6.39   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   S12   Middle   7.8   2   1   16.22   21.7   7.78   25.2   6.24   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   S12   Middle   7.8   2   1   16.22   21.7   7.78   25.2   6.24   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   S13   Surface   1   1   2   16.22   21.7   7.7   25.5   6.42   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   S13   Surface   1   1   2   16.43   21.3   7.7   25.5   6.42   TMCLIK   HY201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   S13   Surface   1   1   1   16.02   21.7   7.7   2			_								2						2.91	5.5
TMCLICL   HY/201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CSB   Surface   1   1   1   15:50   21:6   7.77   25   6.43   TMCLICL   HY/201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CSB   Middle   7.1   2   1   15:50   21:5   7.67   25:1   6.63   TMCLICL   HY/201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CSB   Middle   7.1   2   2   1   15:50   21:5   7.67   25:1   6.63   TMCLICL   HY/201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CSB   Middle   7.1   2   2   1   15:50   21:5   7.67   25:1   6.63   TMCLICL   HY/201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CSB   Bottom   13:1   3   1   15:50   21:4   7.78   25:3   6.43   TMCLICL   HY/201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CSB   Bottom   13:1   3   2   15:50   21:4   7.78   25:3   6.43   TMCLICL   HY/201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS12   Surface   1   1   1   16:22   21:6   7.67   25:6   6.35   TMCLICL   HY/201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS12   Surface   1   1   1   16:22   21:6   7.73   25:2   6.24   TMCLICL   HY/201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS12   Surface   1   1   1   16:22   21:6   7.73   25:2   6.24   TMCLICL   HY/201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS12   Surface   1   1   1   16:22   21:7   7.76   25:3   6.26   TMCLICL   HY/201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS12   Surface   1   1   1   16:23   21:7   7.76   25:3   6.26   TMCLICL   HY/201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS12   Surface   1   1   1   1   16:33   21:6   7.73   25:5   6.24   TMCLICL   HY/201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS13   Surface   1   1   1   1   1   1   1   1   1							-				1						2.96	
TMCLKL   HY/201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS6   Middle   7.1   2   18.50   2.16   7.75   25   6.45	014-04	2014-04-	-21 N	/lid-Ebb	Cloudy	Small Wave	CS4	Bottom	22.6	3	2	15:41	21.1	7.84	25.3	6.25	2.98	
TMCLICAL   HY/201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS6   Middle   7.1   2   1   18:50   21:5   7:67   25:1   6:53   TMCLICAL   HY/201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS6   Soltom   13:1   3   1   18:50   21:4   7:76   25:3   6:43   TMCLICAL   HY/201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS6   Soltom   13:1   3   1   18:50   21:4   7:76   25:3   6:43   TMCLICAL   HY/201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   CS6   Soltom   13:1   3   2   18:50   21:4   7:76   25:5   6:43   TMCLICAL   HY/201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS12   Sufface   1   1   1   16:22   21:6   7:67   25:6   6:35   TMCLICAL   HY/201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS12   Sufface   1   1   2   16:22   21:6   7:76   25:6   6:35   TMCLICAL   HY/201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS12   Sufface   1   1   2   16:22   21:6   7:73   25:2   6:24   TMCLICAL   HY/201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS12   Sufface   1   1   2   6:22   21:7   7:78   25:5   6:26   TMCLICAL   HY/201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS12   Sufface   IS12   Su	014-04	2014-04-	-21 N	∕lid-Ebb	Cloudy	Small Wave	CS6	Surface	1	1	1	18:50	21.6	7.77	25	6.43	2.77	5.2
TMCLKL   HY/201208   2014-04-21 Mid-Ebb   Cloudy   Small Wave   CS6   Bottom   13.1   3.1   18:50   21.4   7.69   25.2   6.61	014-04	2014-04-	-21 N	∕lid-Ebb	Cloudy	Small Wave	CS6	Surface	1	1	2	18:50	21.6	7.75		6.45	2.79	4.5
TMCLKL   HY/201208   2014-04-21 Mid-Ebb   Cloudy   Small Wave   CS6   Sottom   13.1   3   1   18.50   21.4   7.78   25.3   6.45   TMCLKL   HY/201208   2014-04-21 Mid-Ebb   Cloudy   Small Wave   CS6   Sottom   13.1   3   2   18.50   21.3   7.78   25.4   6.45   TMCLKL   HY/201208   2014-04-21 Mid-Ebb   Cloudy   Small Wave   IS12   Surface   1   1   1   16.22   21.7   7.69   25.1   6.35   TMCLKL   HY/201208   2014-04-21 Mid-Ebb   Cloudy   Small Wave   IS12   Surface   1   1   1   16.22   21.7   7.69   25.1   6.33   TMCLKL   HY/201208   2014-04-21 Mid-Ebb   Cloudy   Small Wave   IS12   Middle   7.8   2   1   16.22   21.7   7.75   25.5   6.26   TMCLKL   HY/201208   2014-04-21 Mid-Ebb   Cloudy   Small Wave   IS12   Sottom   14.6   3   1   16.22   21.7   7.68   25.4   6.17   TMCLKL   HY/201208   2014-04-21 Mid-Ebb   Cloudy   Small Wave   IS12   Sottom   14.6   3   1   16.22   21.7   7.78   25.5   6.28   TMCLKL   HY/201208   2014-04-21 Mid-Ebb   Cloudy   Small Wave   IS12   Sottom   14.6   3   1   16.22   21.7   7.78   25.5   6.19   TMCLKL   HY/201208   2014-04-21 Mid-Ebb   Cloudy   Small Wave   IS13   Surface   1   1   16.43   21.6   7.73   25.5   6.42   TMCLKL   HY/201208   2014-04-21 Mid-Ebb   Cloudy   Small Wave   IS13   Surface   1   1   16.43   21.6   7.73   25.5   6.42   TMCLKL   HY/201208   2014-04-21 Mid-Ebb   Cloudy   Small Wave   IS13   Surface   1   1   16.43   21.6   7.71   25.1   6.4   TMCLKL   HY/201208   2014-04-21 Mid-Ebb   Cloudy   Small Wave   IS13   Surface   1   1   16.43   21.6   7.71   25.1   6.4   TMCLKL   HY/201208   2014-04-21 Mid-Ebb   Cloudy   Small Wave   IS13   Surface   1   1   16.43   21.5   7.76   25.2   6.62   TMCLKL   HY/201208   2014-04-21 Mid-Ebb   Cloudy   Small Wave   IS13   Surface   1   1   16.43   21.5   7.76   25.1   6.56   20   10.00   Small Wave   IS13   Surface   1   1   16.43   21.5   7.76   25.1   6.64   20.00								_		2	1			-			2.86	2.8
TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small   Wave   S12   Surface   1   1   1   16:22   21:6   7.67   25   6.35			_					+	+	2	2			-			2.88	
TMCLKL   HY/2012/08   2014-04/21   Mid-Ebb   Cloudy   Small Wave   S12   Surface   1   1   1   16:22   21.6   7.67   25   6.35   TMCLKL   HY/2012/08   2014-04/21   Mid-Ebb   Cloudy   Small Wave   S12   Surface   1   1   2   16:22   21.7   7.69   25.1   6.24   TMCLKL   HY/2012/08   2014-04/21   Mid-Ebb   Cloudy   Small Wave   S12   Middle   7.8   2   2   16:22   21.7   7.75   25.2   6.24   TMCLKL   HY/2012/08   2014-04/21   Mid-Ebb   Cloudy   Small Wave   S12   Middle   7.8   2   2   16:22   21.7   7.75   25.3   6.26   TMCLKL   HY/2012/08   2014-04/21   Mid-Ebb   Cloudy   Small Wave   S12   Surface   1   1   16:42   21.7   7.76   25.5   6.26   TMCLKL   HY/2012/08   2014-04/21   Mid-Ebb   Cloudy   Small Wave   S13   Surface   1   1   16:43   21.6   7.71   25.5   6.42   TMCLKL   HY/2012/08   2014-04/21   Mid-Ebb   Cloudy   Small Wave   S13   Surface   1   1   16:43   21.6   7.71   25.5   6.42   TMCLKL   HY/2012/08   2014-04/21   Mid-Ebb   Cloudy   Small Wave   S13   Surface   1   1   16:43   21.6   7.71   25.1   6.4   TMCLKL   HY/2012/08   2014-04/21   Mid-Ebb   Cloudy   Small Wave   S13   Surface   1   1   16:43   21.6   7.71   25.1   6.4   TMCLKL   HY/2012/08   2014-04/21   Mid-Ebb   Cloudy   Small Wave   S13   Surface   1   1   16:43   21.6   7.71   25.1   6.4   TMCLKL   HY/2012/08   2014-04/21   Mid-Ebb   Cloudy   Small Wave   S13   Middle   6.4   2   16:43   21.5   7.66   25.2   6.62   TMCLKL   HY/2012/08   2014-04/21   Mid-Ebb   Cloudy   Small Wave   S13   Middle   6.4   2   16:43   21.5   7.76   25.5   6.64   TMCLKL   HY/2012/08   2014-04/21   Mid-Ebb   Cloudy   Small Wave   S13   Surface   1   1   1   16:43   21.5   7.76   25.5   6.42   TMCLKL   HY/2012/08   2014-04/21   Mid-Ebb   Cloudy   Small Wave   S13   Surface   1   1   1   16:43   21.5   7.76   25.5   6.64   TMCLKL   HY/2012/08   2014-04/21   Mid-Ebb   Cloudy   Small Wave   S13   Surface   1   1   1   16:43   21.5   7.76   25.6   6.33   TMCLKL   HY/2012/08   2014-04/21   Mid-Ebb   Cloudy   Small Wave   S14   Surface   1   1   1   16:43   21.5   7.							-		+		1						2.96	
TMCLKL   HY/2012/08   2014-04.21   Mid-Ebb   Cloudy   Small Wave   S12   Sufface   1   1   2   16.22   21.7   7.69   25.1   6.33   TMCLKL   HY/2012/08   2014-04.21   Mid-Ebb   Cloudy   Small Wave   S12   Middle   7.8   2   1   16.22   21.7   7.75   25.3   6.26   TMCLKL   HY/2012/08   2014-04.21   Mid-Ebb   Cloudy   Small Wave   S12   Middle   7.8   2   2   16.22   21.7   7.75   25.3   6.26   TMCLKL   HY/2012/08   2014-04.21   Mid-Ebb   Cloudy   Small Wave   S12   Middle   7.8   2   2   16.22   21.7   7.75   25.3   6.26   TMCLKL   HY/2012/08   2014-04.21   Mid-Ebb   Cloudy   Small Wave   S132   Bottom   14.6   3   2   16.22   21.7   7.7   25.5   6.19   TMCLKL   HY/2012/08   2014-04.21   Mid-Ebb   Cloudy   Small Wave   S133   Surface   1   1   1   16.43   21.6   7.73   25   6.42   TMCLKL   HY/2012/08   2014-04.21   Mid-Ebb   Cloudy   Small Wave   S133   Surface   1   1   1   16.43   21.6   7.73   25   6.42   TMCLKL   HY/2012/08   2014-04.21   Mid-Ebb   Cloudy   Small Wave   S13   Surface   1   1   1   16.43   21.5   7.66   25.2   6.62   TMCLKL   HY/2012/08   2014-04.21   Mid-Ebb   Cloudy   Small Wave   S13   Middle   6.4   2   1   16.43   21.5   7.66   25.2   6.62   TMCLKL   HY/2012/08   2014-04.21   Mid-Ebb   Cloudy   Small Wave   S13   Middle   6.4   2   2   16.43   21.5   7.66   25.2   6.62   TMCLKL   HY/2012/08   2014-04.21   Mid-Ebb   Cloudy   Small Wave   S13   Middle   6.4   2   2   16.43   21.5   7.66   25.2   6.62   TMCLKL   HY/2012/08   2014-04.21   Mid-Ebb   Cloudy   Small Wave   S13   Bottom   S1.7   S1.7			_						13.1	3	2						2.97	2.6
TMCLKL   HY/2012/08   2014-04-21 Mid-Ebb   Cloudy   Small Wave   IS12   Middle   7.8   2   2   16.22   21.6   7.73   25.2   6.24									1	1	1	_					2.75	4.8
TMCLKL   HY/201208   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS12   Middle   7.8   2   2   16:22   21.7   7.75   25.3   6.26							-		7.0	1	2						2.77	4.5
TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS12   Bottom   14.6   3   1   16.22   21.7   7.68   25.4   6.17							_	_			ا د						2.93 2.94	
TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS12   Bottom   14.6   3   2   16:22   21.7   7.7   25.5   6.19							-	<b>+</b>			1						2.99	3.8 4.5
TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS13   Surface   1   1   1   16:43   21.6   7.72   25   6.42			_				<del> </del>	1	<del>1</del>		2						3.01	4.5
TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS13   Surface   1   1   2   16:43   21:6   7.71   25:1   6.4   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS13   Middle   6.4   2   1   16:43   21:5   7.66   25:2   6.62   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS13   Middle   6.4   2   2   16:43   21:4   7.68   25:3   6.64   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS13   Bottom   11:7   3   1   16:43   21:3   7.72   25:4   6.35   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS13   Bottom   11:7   3   2   16:43   21:3   7.74   25:4   6.35   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS13   Bottom   11:7   3   2   16:43   21:3   7.74   25:4   6.35   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS14   Surface   1   1   1   16:02   21:5   7.73   25   6.43   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS14   Surface   1   1   2   16:02   21:6   7.75   25:5   6.41   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS14   Middle   8.5   2   1   16:02   21:5   7.62   25:1   6.54   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS14   Middle   8.5   2   2   16:02   21:4   7.64   25:2   6.52   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS14   Middle   8.5   2   2   16:02   21:3   7.69   25:3   6:33   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS14   Bottom   15:9   3   1   16:02   21:3   7.69   25:3   6:33   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS15   Surface   1   1   1   17:04   21:5   7.74   25:6   6:37   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS15   Surface   1   1   1   17:04   21:5   7.76   25:6   6:37   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS15   Surface   1   1   1   17:04   21:5   7.76   25:6   6:37   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy									1 1	1	1	_					2.76	4.5 5.5
TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS13   Middle   6.4   2   1   16:43   21.5   7.66   25.2   6.62			_				_		1	1	2						2.78	5.4
TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS13   Middle   6.4   2   2   16:43   21:4   7.68   25:3   6.64									6.4	2	1						2.86	
TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS13   Bottom   11.7   3   1   16:43   21.3   7.72   25.4   6.35		+					_				2						2.88	5
TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS14   Surface   1   1   1   1   1   1   1   1   1					Cloudy	Small Wave	IS13	Bottom	11.7	3	1		21.3	7.72	25.4	6.35	2.94	5.8
TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS14   Surface   1   1   2   16:02   21:6   7.75   25   6.41   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS14   Middle   8.5   2   1   16:02   21:5   7.62   25:1   6.54   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS14   Middle   8.5   2   2   16:02   21:5   7.62   25:1   6.52   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS14   Bottom   15:9   3   1   16:02   21:3   7.69   25:3   6:33   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS14   Bottom   15:9   3   2   16:02   21:3   7.67   25:4   6:31   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS15   Surface   1   1   1   17:04   21:5   7.76   25:6   6:37   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS15   Surface   1   1   2   17:04   21:5   7.76   25:6   6:37   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS15   Surface   1   1   2   17:04   21:5   7.76   25:6   6:35   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS15   Middle   6:6   2   1   17:04   21:4   7.79   25:1   6:54   Mid-Ebb   Cloudy   Small Wave   IS15   Middle   6:6   2   2   17:04   21:3   7:67   25:0   6:52   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS15   Bottom   12:1   3   1   17:04   21:3   7:67   25:3   6:31   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS15   Bottom   12:1   3   2   17:04   21:3   7:67   25:3   6:31   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS15   Bottom   12:1   3   2   17:04   21:3   7:67   25:3   6:31   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   SR8   Surface   1   1   1   17:43   21:5   7:75   25:1   6:37   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   SR8   Surface   1   1   1   17:43   21:5   7:75   25:1   6:37   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   SR8   Surface   1   1	014-04	2014-04-	-21 N	∕lid-Ebb	Cloudy	Small Wave	IS13	Bottom	11.7	3	2	16:43	21.3	7.74	25.4	6.37	2.96	
TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS14   Middle   8.5   2   1   16:02   21.5   7.62   25.1   6.54   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS14   Middle   8.5   2   2   16:02   21.4   7.64   25.2   6.52   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS14   Bottom   15.9   3   1   16:02   21.3   7.69   25.3   6.33   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS14   Bottom   15.9   3   2   16:02   21.3   7.69   25.3   6.33   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS14   Bottom   15.9   3   2   16:02   21.3   7.67   25.4   6.31   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS15   Surface   1   1   1   17:04   21.5   7.74   25   6.37   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS15   Surface   1   1   2   17:04   21.5   7.76   25.5   6.35   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS15   Middle   6.6   2   2   17:04   21.4   7.79   25.1   6.54   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS15   Middle   6.6   2   2   17:04   21.3   7.81   25.2   6.52   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS15   Bottom   12.1   3   1   17:04   21.3   7.67   25.3   6.31   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS15   Bottom   12.1   3   1   17:04   21.3   7.67   25.3   6.31   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS15   Bottom   12.1   3   2   17:04   21.2   7.69   25.4   6.29   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   SR8   Surface   1   1   1   17:43   21.5   7.75   25.1   6.35   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   SR8   Surface   1   1   1   17:43   21.5   7.75   25.1   6.35   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   SR8   Bottom   4.9   3   2   17:43   21.4   7.66   25.2   6.31   TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy		-			Cloudy	Small Wave		Surface	1	1	1					6.43	2.84	
TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS14   Middle   8.5   2   2   16:02   21.4   7.64   25.2   6.52		-							1	1	2						2.86	5.1
TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS14   Bottom   15.9   3   1   16:02   21.3   7.69   25.3   6.33   Cloudy   Small Wave   IS14   Bottom   15.9   3   2   16:02   21.3   7.67   25.4   6.31   Cloudy   Small Wave   IS14   Bottom   15.9   3   2   16:02   21.3   7.67   25.4   6.31   Cloudy   Small Wave   IS15   Surface   1   1   1   17:04   21.5   7.74   25   6.37   Cloudy   Small Wave   IS15   Surface   1   1   1   17:04   21.5   7.76   25   6.35   Cloudy   Small Wave   IS15   Surface   1   1   1   17:04   21.5   7.76   25   6.35   Cloudy   Small Wave   IS15   Surface   1   1   1   17:04   21.5   7.76   25   6.35   Cloudy   Small Wave   IS15   Surface   1   1   2   17:04   21.5   7.76   25   6.35   Cloudy   Small Wave   IS15   Surface   1   1   2   17:04   21.4   7.79   25.1   6.54   Cloudy   Small Wave   IS15   Middle   6.6   2   1   17:04   21.3   7.81   25.2   6.52   Cloudy   Small Wave   IS15   Surface   Smiddle   6.6   2   2   17:04   21.3   7.81   25.2   6.52   Cloudy   Small Wave   IS15   Surface   Smiddle   Smid		-									1						2.96	
TMCLKL		+									2						2.98	5.4
TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         IS15         Surface         1         1         1 7:04         21.5         7.74         25         6.37           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         IS15         Surface         1         1         2 17:04         21.5         7.74         25         6.35           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         IS15         Middle         6.6         2         1 17:04         21.4         7.79         25.1         6.54           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         IS15         Bottom         12.1         3         1 17:04         21.3         7.81         25.2         6.52           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         IS15         Bottom         12.1         3         1 17:04         21.3         7.69         25.4         6.29           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR8         Surface         1         1         1 17:43		+					_	<del> </del>			1			-			3.02	
TMCLKL   HY/2012/08   2014-04-21   Mid-Ebb   Cloudy   Small Wave   IS15   Surface   1   1   2   17:04   21.5   7.76   25   6.35									15.9	3	2						3.04	
TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         IS15         Middle         6.6         2         1         17:04         21.4         7.79         25.1         6.54           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         IS15         Middle         6.6         2         2         17:04         21.3         7.81         25.2         6.52           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         IS15         Bottom         12.1         3         1         17:04         21.3         7.67         25.3         6.31           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         IS15         Bottom         12.1         3         2         17:04         21.2         7.69         25.4         6.29           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR8         Surface         1         1         1         17:43         21.5         7.75         25.1         6.35           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR8							_		1 1	1	1						2.87 2.89	
TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         IS15 Middle         6.6         2         2 17:04         21.3 7.81         25.2         6.52           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         IS15 Bottom         12.1         3         1 17:04         21.3 7.67         25.3         6.31           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         IS15 Bottom         12.1         3         2 17:04         21.2 7.69         25.4         6.29           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR8 Surface         1         1         1 17:43         21.5 7.73         25         6.37           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR8 Surface         1         1         2 17:43         21.5 7.75         25.1         6.35           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR8 Middle         2         1 17:43         2         1 17:43         2         1 17:43         2         1 17:43         2         1 17:43         2		+					_		66	2				_			2.89	
TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         IS15         Bottom         12.1         3         1 17:04         21.3         7.67         25.3         6.31           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         IS15         Bottom         12.1         3         2 17:04         21.2         7.69         25.4         6.29           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR8         Surface         1         1         1 17:43         21.5         7.73         25         6.37           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR8         Surface         1         1         2 17:43         21.5         7.75         25.1         6.35           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR8         Middle         2         1         17:43         2         25.1         6.35           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR8         Bottom         4.9         3         1 17:43         21.4											2						2.98	
TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         IS15         Bottom         12.1         3         2         17:04         21.2         7.69         25.4         6.29           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR8         Surface         1         1         17:43         21.5         7.73         25         6.37           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR8         Surface         1         1         2         17:43         21.5         7.75         25.1         6.35           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR8         Middle         2         1         17:43         1         2         17:43         1         1         1         17:43         1 </td <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td><del>                                     </del></td> <td></td> <td>3</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3.03</td> <td></td>		-					_	<del>                                     </del>		3	1						3.03	
TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR8         Surface         1         1         17:43         21.5         7.73         25         6.37           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR8         Surface         1         1         2         17:43         21.5         7.75         25.1         6.35           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR8         Middle         2         1         17:43         1         1         17:43         1 </td <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td>3</td> <td>2</td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td>3.05</td> <td></td>		1						1		3	2			_			3.05	
TMCLKL         HY/2012/08         2014-04-21         Mid-Ebb         Cloudy         Small Wave         SR8         Surface         1         1         2         17:43         21.5         7.75         25.1         6.35           TMCLKL         HY/2012/08         2014-04-21         Mid-Ebb         Cloudy         Small Wave         SR8         Middle         2         1         17:43         21.5         7.75         25.1         6.35           TMCLKL         HY/2012/08         2014-04-21         Mid-Ebb         Cloudy         Small Wave         SR8         Middle         2         1         17:43         21.4         7.66         25.2         6.31           TMCLKL         HY/2012/08         2014-04-21         Mid-Ebb         Cloudy         Small Wave         SR8         Bottom         4.9         3         1         17:43         21.4         7.66         25.2         6.31           TMCLKL         HY/2012/08         2014-04-21         Mid-Ebb         Cloudy         Small Wave         SR9         Surface         1         1         1         17:43         21.4         7.68         25.3         6.29           TMCLKL         HY/2012/08         2014-04-21         Mid-Ebb         Cloudy<									1	1	1	-					2.89	
TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR8 Middle         2         1 17:43         1         17:43         1         17:43         1         17:43         1         17:43         1         17:43         1         17:43         1         17:43         1         17:43         1         17:43         1         17:43         1         17:43         1         17:43         1         17:43         1         17:43         1         17:43         1         17:43         2         1         17:43         2         1         17:43         2         1         17:43         2         1         17:43         2         1<									1	1	2						2.91	3.4
TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR8         Bottom         4.9         3         1 17:43         21.4 7.66         25.2         6.31           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR8         Bottom         4.9         3         2 17:43         21.4 7.68         25.2         6.31           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR9         Surface         1         1         1 7:26         21.6 7.66         25         6.41           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR9         Surface         1         1         1 7:26         21.5 7.68         25.1         6.39		_					SR8	Middle		2	1							
TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR8         Bottom         4.9         3         2         17:43         21.4         7.68         25.3         6.29           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR9         Surface         1         1         1         17:26         21.6         7.66         25         6.41           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR9         Surface         1         1         1         2         17:26         21.5         7.68         25.1         6.39	014-04	2014-04-	-21 N	/lid-Ebb	Cloudy	Small Wave	SR8	Middle		2	2	17:43						
TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR9         Surface         1         1         17:26         21.6         7.66         25         6.41           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR9         Surface         1         1         2         17:26         21.5         7.68         25.1         6.39	014-04	2014-04-	-21 N	∕lid-Ebb	Cloudy	Small Wave	SR8	Bottom	4.9	3	1	17:43	21.4	7.66	25.2	6.31	2.96	
TMCLKL HY/2012/08 2014-04-21 Mid-Ebb Cloudy Small Wave SR9 Surface 1 1 1 2 17:26 21.5 7.68 25.1 6.39									4.9	3	2						2.98	
									1	1	1						2.8	
IIMCLKL  HY/2012/08   2014-04-21 Mid-Ebb   I Cloudy   ISmall Wave   SR9   Middle         21   11   17:26									1	1	2		21.5	7.68	25.1	6.39	2.82	4.4
					Cloudy	Small Wave		Middle		2	1	17:26						
TMCLKL HY/2012/08   2014-04-21 Mid-Ebb   Cloudy   Small Wave   SR9   Middle   2   2   17:26		-						<del>                                     </del>	4.0	2	2	_	04.5	7 70	05.0	0.05	0.00	
TMCLKL HY/2012/08 2014-04-21 Mid-Ebb Cloudy Small Wave SR9 Bottom 4.9 3 1 17:26 21.5 7.73 25.2 6.25			_				_	1			1						2.93	
TMCLKL HY/2012/08   2014-04-21 Mid-Ebb   Cloudy   Small Wave   SR9   Bottom   4.9   3   2   17:26   21.4   7.75   25.2   6.23   5.24   5.25   5.24   5.25   5.24   5.25									4.9	3	2	-					2.95	
TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR10A         Surface         1         1         18:13         21.5         7.67         25         6.34           TMCLKL         HY/2012/08         2014-04-21 Mid-Ebb         Cloudy         Small Wave         SR10A         Surface         1         1         2         18:13         21.6         7.69         25.1         6.36									1 1	1	1						2.84 2.86	4.1
TMCLKL HY/2012/08 2014-04-21 Mid-Ebb Cloudy Small Wave SR10A Surface 1 1 1 2 18:13 21.6 7.69 25.1 6.36 TMCLKL HY/2012/08 2014-04-21 Mid-Ebb Cloudy Small Wave SR10A Middle 7.6 2 1 18:13 21.5 7.72 25.2 6.52									7.6	1	1			-			2.86	3.3

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	_	Middle	7.6	2	2	18:13	21.4	_	25.3	6.5	2.94	4.5
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave	+	Bottom	14.2	3	1	18:13	21.4	7.77	25.4	6.32	3.06	4.3
TMCLKL	HY/2012/08	2014-04-21		Cloudy	Small Wave		Bottom	14.2	3	2	18:13	21.3		25.4	6.34	3.09	3.9
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	CS4	Surface	1	1	1	14:32	22.5		25.5	6.26	2.22	2.8 2.7
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	CS4	Surface	1 1	1	2	14:32	22.5		25.7	6.28	2.26	2.7
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	CS4	Middle	11.8		1	14:32	22.6		26.2	6.35	2.16	2.1 2.6
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-23 2014-04-23		Cloudy Cloudy	Small Wave Small Wave	CS4 CS4	Middle Bottom	11.8 22.5	3		14:32 14:32	22.7 22.6		26.4 26.5	6.31 6.23	2.11 2.26	4.6
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	CS4	Bottom	22.5	3	2	14:32	22.6	-	26.4	6.19	2.23	3.4
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	CS6	Surface	1	1	1	11:22	22.6		25.2	6.31	2.13	3.4
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	CS6	Surface	1	1	2	11:22	22.5		25.4	6.24	2.09	3.6 3.5
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	CS6	Middle	6.5	2	1	11:22	22.7		25.9	6.42	2.06	3.5
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	CS6	Middle	6.5		2	11:22	22.6		26.2	6.45	2.01	3.5 2.6
TMCLKL	HY/2012/08	2014-04-23	Mid-Flood	Cloudy	Small Wave	CS6	Bottom	12.9		1	11:22	22.3		26.3	6.39	2.17	4.8
TMCLKL	HY/2012/08	2014-04-23	Mid-Flood	Cloudy	Small Wave	CS6	Bottom	12.9	3	2	11:22	22.5		26.1	6.36	2.15	4.8 3.6
TMCLKL	HY/2012/08	2014-04-23	Mid-Flood	Cloudy	Small Wave	IS12	Surface	1	1	1	13:36	22.5	7.68	25.4	6.24	2.13	2.6
TMCLKL	HY/2012/08	2014-04-23	Mid-Flood	Cloudy	Small Wave	IS12	Surface	1	1	2	13:36	22.4	7.71	25.5	6.21	2.09	4
TMCLKL	HY/2012/08	2014-04-23	Mid-Flood	Cloudy	Small Wave	IS12	Middle	7.8	2	1	13:36	22.6	7.72	25.9	6.34	2.21	2.7 2.7
TMCLKL	HY/2012/08	2014-04-23	Mid-Flood	Cloudy	Small Wave	IS12	Middle	7.8	2	2	13:36	22.6	7.74	25.8	6.37	2.24	2.7
TMCLKL	HY/2012/08	2014-04-23	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	14.6		1	13:36	22.4		26.3	6.13	2.19	2.6
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS12	Bottom	14.6	3	2	13:36	22.3	7.61	26.2	6.15	2.16	2
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS13	Surface	1	1	1	13:13	22.4		25.4	6.26	2.15	4.3
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS13	Surface	1	1	2	13:13	22.6		25.7	6.31	2.12	4.5
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS13	Middle	6.3	2	1	13:13	22.6		26.1	6.52	2.32	2.7
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS13	Middle	6.3		2	13:13	22.5		25.9	6.48	2.34	4.4
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS13	Bottom	11.5	3	1	13:13	22.7	7.71	26.3	6.21	2.09	3.1
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS13	Bottom	11.5	3	2	13:13	22.6		26.3	6.24	2.06	4.7
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS14	Surface	1	1	1	14:03	22.3		25.6	6.31	2.28	3.9
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS14	Surface	1	1	2	14:03	22.4		25.5	6.28	2.26	3.8
TMCLKL TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS14 IS14	Middle Middle	8.4		1	14:03	22.5 22.4		26.2 26.1	6.41	2.13 2.09	3.4 3.3
TMCLKL	HY/2012/08 HY/2012/08	2014-04-23 2014-04-23		Cloudy Cloudy	Small Wave Small Wave	IS14	Bottom	8.4 15.8			14:03	22.4	7.69 7.77	26.4	6.44 6.22	2.32	2.9
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS14	Bottom	15.8		2	14:03	22.6		26.3	6.25	2.36	4.6
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS15	Surface	13.0	1	1	12:50		7.72	25.5	6.29	2.34	3.6
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS15	Surface	1	1	2	12:50		7.75	25.2	6.32	2.29	3.8
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS15	Middle	6.3	2	1	12:50		7.79	25.8	6.39	2.26	3.6
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS15	Middle	6.3		2	12:50		7.75	26.2	6.36	2.22	3
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS15	Bottom	11.6		1	12:50	22.7		26.1	6.24	2.46	4.9
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS15	Bottom	11.6		2	12:50	22.6		26.3	6.21	2.42	4.2
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	SR8	Surface	1	1	1	12:06	22.4		25.7	6.32	2.32	3.4
TMCLKL	HY/2012/08	2014-04-23	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	2	12:06	22.5	7.72	25.5	6.35	2.37	2.5
TMCLKL	HY/2012/08	2014-04-23	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	1	12:06						
TMCLKL	HY/2012/08	2014-04-23	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	2	12:06						
TMCLKL	HY/2012/08	2014-04-23	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.7	3	1	12:06	22.6	7.75	25.9	6.29	2.28	3.4
TMCLKL	HY/2012/08	2014-04-23	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.7	3	2	12:06	22.6	7.73	25.7	6.23	2.31	3
TMCLKL	HY/2012/08	2014-04-23	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	1	12:28	22.4	7.74	25.7	6.35	2.31	3.2
TMCLKL	HY/2012/08	2014-04-23	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	2	12:28	22.4	7.71	25.6	6.31	2.27	3.9
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	SR9	Middle		2	1	12:28						
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	SR9	Middle		2	2	12:28						
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	SR9	Bottom	4.8		1	12:28	22.6		26.1	6.29	2.33	4.5
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	SR9	Bottom	4.8	3	2	12:28	22.5		25.8	6.26	2.36	2.3
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	+	Surface	1	1	1	11:44	22.6		25.4	6.39	2.24	4.6
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	SR10A	Surface	1 - 1	1	2	11:44	22.4		25.5	6.36	2.28	3.8 4.9
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	SR10A	Middle	7.4		1	11:44	22.6		26.1	6.46	2.11	4.9
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave		Middle	7.4		2	11:44	22.5		26.1	6.49	2.07	6.4 4.3
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave		Bottom	13.8		1	11:44	22.5		26.6	6.38	2.26	
INICLKL	HY/2012/08	2014-04-23	Jiviiu-Fi00d	Cloudy	Small Wave	JOKIUA	IDOMON	13.8	ا 3	l <sup>2</sup>	11:44	22.4	7.74	26.4	6.42	2.21	4.7

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	CS4	Surface	1	1	1	06:45			25.9	6.15	2.31	5.2
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	CS4	Surface	1	1	2	06:45			26.1	6.11	2.28	4.5
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	CS4	Middle	11.7	2	1	06:45	22.5		26.3	6.23	2.26	4.2
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	CS4	Middle	11.7	2	2	06:45			26.2	6.27	2.22	5.2
TMCLKL TMCLKL	HY/2012/08	2014-04-23 2014-04-23		Cloudy	Small Wave	CS4 CS4	Bottom	22.3 22.3	3	1	06:45	22.5 22.4		26.5 26.7	6.22 6.17	2.38 2.33	3.9
TMCLKL	HY/2012/08 HY/2012/08	2014-04-23		Cloudy	Small Wave Small Wave	CS4	Bottom Surface	22.3	3		06:45 09:46			25.7 25.7	6.17	2.33	2.8
TMCLKL	HY/2012/08	2014-04-23		Cloudy Cloudy	Small Wave	CS6	Surface	1	1	2	09:46			25.6	6.21	2.17	2.5
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	CS6	Middle	6.9	2	1	09:46			26.3	6.36	2.09	2.3
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	CS6	Middle	6.9	2	2	09:46			26.1	6.31	2.12	2.9
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	CS6	Bottom	12.7	3		09:46	22.6		26.4	6.25	2.23	3.6
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	CS6	Bottom	12.7	3	2	09:46			26.3	6.28	2.26	3
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS12	Surface	1	1	1	07:32	22.3		25.7	6.13	2.18	4.4
TMCLKL	HY/2012/08	2014-04-23	Mid-Ebb	Cloudy	Small Wave	IS12	Surface	1	1	2	07:32	22.4	7.75	25.5	6.1	2.22	3.9
TMCLKL	HY/2012/08	2014-04-23	Mid-Ebb	Cloudy	Small Wave	IS12	Middle	7.7	2	1	07:32	22.5	7.76	26.3	6.28	2.33	4.8
TMCLKL	HY/2012/08	2014-04-23	Mid-Ebb	Cloudy	Small Wave	IS12	Middle	7.7	2	2	07:32	22.4	7.73	26.1	6.25	2.37	5.8
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS12	Bottom	14.4	3	1	07:32	22.4		26.5	6.07	2.25	4.7
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS12	Bottom	14.4	3	2	07:32	22.4		26.4	6.08	2.28	4.8
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS13	Surface	1	1	1	07:55	22.3		25.9	6.17	2.23	2.2
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS13	Surface	1	1	2	07:55	22.1	7.68	26.2	6.13	2.19	2.7
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS13	Middle	6.2	2	1	07:55	22.4		26.2	6.39	2.42	2.7
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS13	Middle	6.2	2	2	07:55	22.3		26.3	6.35	2.38	3.8
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS13	Bottom	11.3	3	1	07:55	22.5		26.5	6.08	2.12	3.6
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS13	Bottom	11.3	3	2	07:55	224		26.5	6.11	2.15	4.4
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-23		Cloudy	Small Wave	IS14 IS14	Surface	1	1	1	07:09	22.2		25.8	6.24 6.18	2.35 2.31	3.4
TMCLKL	HY/2012/08	2014-04-23 2014-04-23		Cloudy Cloudy	Small Wave Small Wave	IS14	Surface Middle	8.4	2		07:09 07:09	22.3 22.4		25.7 26.2	6.32	2.31	2.9 3.7
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS14	Middle	8.4	2	2	07:09			26.4	6.37	2.10	3.8
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS14	Bottom	15.7	3	1	07:09			26.7	6.13	2.39	4.7
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS14	Bottom	15.7	3	2	07:09	22.4		26.6	6.18	2.36	2.7
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS15	Surface	1	1	1	08:18				6.21	2.32	2.9
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	IS15	Surface	1	1	2	08:18			26.1	6.24	2.39	4.2
TMCLKL	HY/2012/08	2014-04-23	Mid-Ebb	Cloudy	Small Wave	IS15	Middle	6.3	2	1	08:18		7.76	26.3	6.26	2.33	2.7
TMCLKL	HY/2012/08	2014-04-23	Mid-Ebb	Cloudy	Small Wave	IS15	Middle	6.3	2	2	08:18	22.3	7.73	26.4	6.28	2.32	4.4
TMCLKL	HY/2012/08	2014-04-23	Mid-Ebb	Cloudy	Small Wave	IS15	Bottom	11.5	3	1	08:18	22.5	7.69	26.6	6.13	2.51	3.7
TMCLKL	HY/2012/08	2014-04-23	Mid-Ebb	Cloudy	Small Wave	IS15	Bottom	11.5	3	2	08:18			26.5	6.1	2.47	2.7
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	SR8	Surface	1	1	1	09:04				6.28	2.42	
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	SR8	Surface	1	1	2	09:04	22.1	7.65	25.9	6.25	2.45	2.2
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	SR8	Middle		2	1	09:04						
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	SR8	Middle	4.0	2	2	09:04		7.70	20.0	0.45	0.07	0.0
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	SR8	Bottom	4.6	3	1	09:04	22.4		26.3	6.15	2.37	3.9
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	SR8	Bottom	4.6	3		09:04				6.19	2.32 2.37	4.7 3.6
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-23		Cloudy Cloudy	Small Wave Small Wave	SR9 SR9	Surface Surface	1	1	1	08:42 08:42	22.3		25.9 26.2	6.26 6.22	2.37	3.0
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	SR9	Middle	I	2		08:42		1.19	20.2	0.22	2.34	
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	SR9	Middle		2	2	08:42						
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	SR9	Bottom	4.7	3	1	08:42		7.81	26.3	6.16	2.42	4.7
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	SR9	Bottom	4.7	3	2	08:42	22.3		26.3	6.11	2.46	5.7
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	SR10A	Surface	1	1	1	09:25			25.8	6.28	2.36	3.9
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	SR10A	Surface	1	1	2	09:25	22.3		25.9	6.22	2.52	3.2
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	SR10A	Middle	7.4	2	1	09:25	22.5		26.2	6.37	2.18	3
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	SR10A	Middle	7.4	2	2	09:25	22.4		26.3	6.32	2.22	3.9
TMCLKL	HY/2012/08	2014-04-23		Cloudy	Small Wave	SR10A	Bottom	13.7	3	1	09:25	22.5		26.6	6.27	2.29	4.3
TMCLKL	HY/2012/08	2014-04-23	Mid-Ebb	Cloudy	Small Wave	SR10A	Bottom	13.7	3	2	09:25	22.6	7.72	26.5	6.21	2.34	2.2
TMCLKL	HY/2012/08	2014-04-25	Mid-Flood	Cloudy	Small Wave	CS4	Surface	1	1	1	17:26	22.4	7.83	26.1	6.14	1.01	2.8
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	CS4	Surface	1	1	2	17:26	22.4		26.2	6.12	1.02	3.9
TMCLKL	HY/2012/08	2014-04-25	Mid-Flood	Cloudy	Small Wave	CS4	Middle	11.8	2	1	17:26	22.5	7.82	26.3	6.23	1.29	2.2

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	CS4	Middle	11.8	2	2	17:26	22.4		26.4	6.26	1.35	2.9
TMCLKL	HY/2012/08	2014-04-25	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	22.5	3	1	17:26	22.7		26.4	6.21	1.81	2.5
TMCLKL	HY/2012/08	2014-04-25	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	22.5	3	2	17:26	22.6		26.4	6.16	1.84	3
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	CS6	Surface	1	1	1	14:12	22.5		25.9	6.3	1.03	4
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	CS6	Surface	1	1	2	14:12	22.4		25.7	6.24	1.05	4.1
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	CS6	Middle	6.9	2	1	14:12	22.5		26.3	6.37	1.36	2.8
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	CS6	Middle	6.9	2	2	14:12	22.6		26.2	6.33	1.4	2.8
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	CS6	Bottom	12.8	3	1	14:12	22.7		26.4	6.28	1.6	2.7
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	CS6	Bottom	12.8	3	2	14:12	22.6		26.5	6.3	1.59	3.7
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	IS12	Surface	1	1	1	16:38	22.5		25.5	6.12	1.06	3.2
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	IS12	Surface	1	1	2	16:38	22.6		25.6	6.1	1.08	2.9
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	IS12	Middle	7.5	2	1	16:38	22.5		26.4	6.27	1.27	2.7
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	IS12	Middle	7.5	2	2	16:38	22.5	7.8	26.3	6.26	1.25	3.7
TMCLKL	HY/2012/08		Mid-Flood	Cloudy	Small Wave	IS12	Bottom	14	3	1	16:38	22.4		26.5	6.05	1.59	5.4
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	IS12	Bottom	14	3	2	16:38	22.4		26.6	6.08	1.47	3.1
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	IS13	Surface	1	1	1	16:14	22.2		26.4	6.17	1	3.8
TMCLKL	HY/2012/08		Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	2	16:14	22.3		26.3	6.15	1.02	2.7
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	IS13	Middle	6	2	1	16:14	22.4		26.5	6.38	1.41	4.3
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	IS13	Middle	6	2	2	16:14	22.4		26.4	6.34	1.44	2.3 3.8
TMCLKL	HY/2012/08		Mid-Flood	Cloudy	Small Wave	IS13	Bottom	11	3	1	16:14	22.5		26.6	6.05	1.6	
TMCLKL	HY/2012/08		Mid-Flood	Cloudy	Small Wave	IS13	Bottom	11	3	2	16:14	22.6		26.7	6.09	1.65	2.9
TMCLKL	HY/2012/08	2014-04-25	+	Cloudy	Small Wave	IS14	Surface	1	1	1	17:02	22.3		25.8	6.29	0.98	2.1
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	IS14	Surface	1	1	2	17:02	22.3		25.7	6.28	0.96	2.9
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	IS14	Middle	8.3	2	1	17:02	22.5		26.3	6.29	1.41	2.9
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	IS14	Middle	8.3	2	2	17:02	22.4		26.2	6.34	1.4	4.2
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	IS14	Bottom	15.6	3	1	17:02	22.6		26.6	6.11	1.67	2
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	IS14	Bottom	15.6	3	2	17:02	22.5		26.6	6.15	1.69	2.2
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	IS15	Surface	1	1	1	15:50	22.4		26.3	6.2	0.95	3.2
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	IS15	Surface	1	1	2	15:50	22.5		26.2	6.24	0.97	3.1
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	IS15	Middle	6.2	2	1	15:50	22.5		26.5	6.28	1.36	2.9
TMCLKL	HY/2012/08	2014-04-25	+	Cloudy	Small Wave	IS15	Middle	6.2	2	2	15:50	22.6		26.6	6.29	1.33	2.3
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	IS15	Bottom	11.4	3	1	15:50	22.6		26.5	6.12	1.43	3.2
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	IS15	Bottom	11.4	3	2	15:50	22.6		26.3	6.1	1.45	4.3
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	SR8	Surface	1	1	1	15:00	22.4		26.3	6.27	1.12	2
TMCLKL	HY/2012/08		Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	2	15:00	22.3	7.73	26.1	6.24	1.11	4.1
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	SR8	Middle		2	1	15:00						
TMCLKL	HY/2012/08	2014-04-25	_	Cloudy	Small Wave	SR8	Middle	4.4	2	2	15:00	00.0	7 77	00.4	0.44	4.40	0.0
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	SR8	Bottom	4.4	3	1	15:00	22.6		26.4	6.14	1.43	3.3
TMCLKL	HY/2012/08		Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.4	3	2	15:00	22.5		26.3	6.18	1.45	4
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	SR9	Surface	1	1	1	15:24	22.4		26.3	6.25	1.09	2.6
TMCLKL	HY/2012/08		Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	2	15:24	22.3	7.85	26.2	6.2	1.05	2.8
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	SR9	Middle		2	1	15:24						
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	SR9	Middle	1	2	2	15:24	22.5	7.00	26.0	6.45	4.00	
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	SR9 SR9	Bottom	4	3	1	15:24	22.5 22.5		26.3	6.15	1.33	2.3
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave		Bottom	4	3	۷	15:24			26.5	6.1	1.35	3
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	_	Surface	1	1	1	14:36	22.4		26	6.29	0.99	2.2 2.8
TMCLKL	HY/2012/08		Mid-Flood	Cloudy	Small Wave	SR10A	Surface	7.0	1	2	14:36			26.1	6.23	0.97	2.8
TMCLKL	HY/2012/08		Mid-Flood	Cloudy	Small Wave Small Wave	SR10A SR10A	Middle Middle	7.2 7.2	2	1	14:36	22.4 22.5		26.5	6.36 6.32	1.3 1.31	3.1
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-25		Cloudy Cloudy	Small Wave	SR10A SR10A	Bottom	13.4	2	<u> </u>	14:36 14:36	22.5		26.4 26.6	6.26	1.53	3.1 E
TMCLKL	HY/2012/08 HY/2012/08	2014-04-25		Cloudy	Small Wave	SR10A SR10A	Bottom	13.4	3	1	14:36			26.5	6.2	1.55	3.8
								13.4	3	۷ ا		22.0					3.8
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	CS4 CS4	Surface	1	1	1	08:40			26.1	6.06	1.09	
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave		Surface	14.0	1		08:40	22.4		26	6.02	1.1	4.5
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	CS4	Middle	11.6	2	1	08:40	22.6		26.2	6.14	1.38	4.4
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	CS4	Middle	11.6	2	2	08:40	22.5		26.3	6.18	1.44	3.2
TMCLKL	HY/2012/08	2014-04-25		Cloudy	Small Wave	CS4	Bottom	23.2	3	1	08:40	22.6		26.4	6.13	1.89	2.8
TMCLKL	HY/2012/08	2014-04-25	oliviia-⊏pp	Cloudy	Small Wave	CS4	Bottom	23.2	3	2	08:40	22.7	7.71	26.5	6.08	1.92	3

TMCLKL HY/2	(/2012/08 (/2012/08 (/2012/08 (/2012/08 (/2012/08 (/2012/08 (/2012/08	2014-04-25 2014-04-25 2014-04-25 2014-04-25 2014-04-25	Mid-Ebb Mid-Ebb	Cloudy Cloudy	Small Wave	000		Depth									SS(mg/L)
TMCLKL HY/2	(/2012/08 (/2012/08 (/2012/08 (/2012/08 (/2012/08	2014-04-25 2014-04-25 2014-04-25	Mid-Ebb	Cloudy	_	CS6	Surface	1	1	1	12:04	22.4		25.8	6.22	1.11	3.2
TMCLKL HY/2	(/2012/08 (/2012/08 (/2012/08 (/2012/08	2014-04-25 2014-04-25		I	Small Wave	CS6	Surface	1	1	2	12:04	22.3	7.81	25.7	6.15	1.14	2.4
TMCLKL HY/2 TMCLKL HY/2 TMCLKL HY/2 TMCLKL HY/2 TMCLKL HY/2 TMCLKL HY/2	(/2012/08 (/2012/08 (/2012/08	2014-04-25	N A'	Cloudy	Small Wave	CS6	Middle	6.7	2	1	12:04	22.6		26.2	6.3	1.44	2.6
TMCLKL HY/2 TMCLKL HY/2 TMCLKL HY/2 TMCLKL HY/2 TMCLKL HY/2	//2012/08 //2012/08			Cloudy	Small Wave	CS6	Middle	6.7	2	2	12:04	22.5	7.84	26.3	6.25	1.48	2.1 3.7
TMCLKL HY/2 TMCLKL HY/2 TMCLKL HY/2 TMCLKL HY/2	//2012/08	2011 01 25	Mid-Ebb	Cloudy Cloudy	Small Wave Small Wave	CS6 CS6	Bottom Bottom	12.4 12.4	3	1	12:04 12:04	22.6 22.7	7.88 7.9	26.5 26.4	6.19 6.22	1.68 1.64	2.9
TMCLKL HY/2 TMCLKL HY/2 TMCLKL HY/2		2014-04-25		Cloudy	Small Wave	IS12	Surface	12.4	1	1	09:28	22.1		25.6	6.04	1.12	4.2
TMCLKL HY/2 TMCLKL HY/2		2014-04-25		Cloudy	Small Wave	IS12	Surface	1	1	2	09:28	22.5	7.81	25.7	6.01	1.16	3.8
TMCLKL HY/2	//2012/08	2014-04-25		Cloudy	Small Wave	IS12	Middle	7.4	2	1	09:28	22.6		26.3	6.19	1.36	2.6
TMCLIZE LIXE	//2012/08	2014-04-25		Cloudy	Small Wave	IS12	Middle	7.4	2	2	09:28	22.5	7.79	26.2	6.16	1.31	3.3
TMCLKL HY/2	//2012/08	2014-04-25	Mid-Ebb	Cloudy	Small Wave	IS12	Bottom	13.8	3	1	09:28	22.4	7.72	26.4	5.98	1.66	4.7
TMCLKL HY/2	//2012/08	2014-04-25	Mid-Ebb	Cloudy	Small Wave	IS12	Bottom	13.8	3	2	09:28	22.3	7.74	26.5	5.99	1.55	3.4
TMCLKL HY/2	//2012/08	2014-04-25	Mid-Ebb	Cloudy	Small Wave	IS13	Surface	1	1	1	09:54	22.2	7.71	26.2	6.08	1.09	2.9
	//2012/08	2014-04-25		Cloudy	Small Wave	IS13	Surface	1	1	2	09:54	22.3	7.74	26.1	6.04	1.1	2.7
	//2012/08	2014-04-25		Cloudy	Small Wave	IS13	Middle	5.9	2	1	09:54	22.5	7.77	26.4	6.3	1.5	2.6
	//2012/08	2014-04-25		Cloudy	Small Wave	IS13	Middle	5.9	2	2	09:54	22.4	7.81	26.3	6.26	1.52	2.8
	//2012/08	2014-04-25		Cloudy	Small Wave	IS13	Bottom	10.8	3	1	09:54	22.6		26.5	5.98	1.69	3!
	//2012/08	2014-04-25		Cloudy	Small Wave	IS13	Bottom	10.8	3	2	09:54	22.5	7.78	26.6	6.01	1.73	3.9
	//2012/08 //2012/08	2014-04-25		Cloudy	Small Wave	IS14	Surface	1	1	1	09:04	22.4		25.9	6.15	1.05	2.4 2.6
	//2012/08 //2012/08	2014-04-25 2014-04-25		Cloudy Cloudy	Small Wave Small Wave	IS14 IS14	Surface Middle	8.2	2		09:04 09:04	22.3 22.4	7.8 7.82	25.8 26.2	6.1 6.23	1.03 1.5	2.6
	7/2012/08 7/2012/08	2014-04-25		Cloudy	Small Wave	IS14	Middle	8.2	2	2	09:04	22.4	7.79	26.3	6.28	1.48	3.1
	7/2012/08	2014-04-25		Cloudy	Small Wave	IS14	Bottom	15.4	3	1	09:04	22.7	7.74	26.5	6.04	1.71	3.6
	7/2012/08	2014-04-25		Cloudy	Small Wave	IS14	Bottom	15.4	3	2	09:04	22.6		26.6	6.09	1.74	3
	//2012/08	2014-04-25		Cloudy	Small Wave	IS15	Surface	10.1	1	1	10:20	22.3		26.1	6.12	1.04	2.5
	//2012/08	2014-04-25		Cloudy	Small Wave	IS15	Surface	1	1	2	10:20	22.4	7.78	26	6.15	1.07	2.9
	//2012/08	2014-04-25		Cloudy	Small Wave	IS15	Middle	6.1	2	1	10:20	22.4		26.4	6.17	1.44	2.7
	//2012/08	2014-04-25		Cloudy	Small Wave	IS15	Middle	6.1	2	2	10:20	22.5	7.79	26.5	6.19	1.42	3.4
TMCLKL HY/2	//2012/08	2014-04-25	Mid-Ebb	Cloudy	Small Wave	IS15	Bottom	11.2	3	1	10:20	22.5	7.75	26.6	6.04	1.51	4.9
TMCLKL HY/2	//2012/08	2014-04-25	Mid-Ebb	Cloudy	Small Wave	IS15	Bottom	11.2	3	2	10:20	22.4	7.79	26.7	6.02	1.52	3.7
	//2012/08	2014-04-25		Cloudy	Small Wave	SR8	Surface	1	1	1	11:12	22.3		26.2	6.19	1.2	3.5
	//2012/08	2014-04-25		Cloudy	Small Wave	SR8	Surface	1	1	2	11:12	22.3	7.71	26.2	6.16	1.19	3.7
	//2012/08	2014-04-25		Cloudy	Small Wave	SR8	Middle		2	1	11:12						
	//2012/08	2014-04-25		Cloudy	Small Wave	SR8	Middle	4.0	2	2	11:12	00.5	7.70	20.0	7.70	4.54	
	//2012/08	2014-04-25		Cloudy	Small Wave	SR8	Bottom	4.2	3	1	11:12	22.5		26.3	7.78	1.51	3.5
	//2012/08	2014-04-25		Cloudy	Small Wave	SR8	Bottom	4.2	3	2	11:12	22.4		26.2	7.75	1.55 1.16	3.1 2.7
	//2012/08 //2012/08	2014-04-25 2014-04-25		Cloudy Cloudy	Small Wave Small Wave	SR9 SR9	Surface Surface	1	1	1	10:46 10:46	22.3 22.2		26.1 26.2	6.17 6.13	1.13	3.3
	7/2012/08	2014-04-25		Cloudy	Small Wave	SR9	Middle		2	1	10:46	22.2	7.65	20.2	0.13	1.13	
	7/2012/08	2014-04-25		Cloudy	Small Wave	SR9	Middle		2	2	10:46						
	//2012/08	2014-04-25		Cloudy	Small Wave	SR9	Bottom	3.8	3	1	10:46	22.3	7.87	26.3	6.07	1.4	2.8
	//2012/08	2014-04-25		Cloudy	Small Wave	SR9	Bottom	3.8	3	2	10:46	22.4		26.4	6.02	1.43	2.7
	//2012/08	2014-04-25		Cloudy	Small Wave		Surface	1	1	1	11:38			25.9	6.2	1.08	2.7
	//2012/08	2014-04-25	Mid-Ebb	Cloudy	Small Wave	SR10A	Surface	1	1	2	11:38	22.4	7.8	26	6.14	1.05	2.6
TMCLKL HY/2	//2012/08	2014-04-25	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	7.1	2	1	11:38	22.5	7.82	26.4	6.28	1.37	2.9
TMCLKL HY/2	//2012/08	2014-04-25	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	7.1	2	2	11:38	22.6	7.85	26.3	6.23	1.39	2.3
TMCLKL HY/2	//2012/08	2014-04-25	Mid-Ebb	Cloudy	Small Wave	SR10A	Bottom	13.2	3	1	11:38	22.7	7.83	26.6	6.18	1.61	2.2
	//2012/08	2014-04-25		Cloudy	Small Wave		Bottom	13.2	3	2	11:38	22.6		26.5	6.12	1.64	2.4
	//2012/08	2014-04-28		Cloudy	Small Wave	CS4	Surface	1	1	1	20:14	22.2		25.5	6.12	3.5	4.5
	//2012/08	2014-04-28		Cloudy	Small Wave	CS4	Surface	1	1	2	20:14		7.75	25.6	6.14	3.48	3.7
	//2012/08	2014-04-28		Cloudy	Small Wave	CS4	Middle	11.8	2	1	20:14	22.4	7.81	25.7	6.22	3.62	4.1
	//2012/08 //2012/08	2014-04-28		Cloudy	Small Wave	CS4	Middle	11.8	2	2	20:14	22.4	7.83	25.8	6.24	3.64	5.8
	//2012/08 //2012/08	2014-04-28		Cloudy	Small Wave	CS4	Bottom	22.5	3	1	20:14	22.5	7.66	25.9	6.19	3.75	5
	//2012/08 //2012/08	2014-04-28		Cloudy	Small Wave	CS4	Bottom	22.5	3	2	20:14	22.6	7.68	26 25.5	6.17	3.73	6.3
	//2012/08 //2012/08	2014-04-28 2014-04-28		Cloudy Cloudy	Small Wave Small Wave	CS6 CS6	Surface Surface	1	1	1	17:02 17:02	22.3 22.2	7.76 7.78	25.5 25.6	6.29 6.31	3.42 3.44	4.9 4.2
	7/2012/08	2014-04-28		Cloudy	Small Wave		Middle	6.8	<u> </u>		17:02			25.7	6.35	3.44	4.2

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	CS6	Middle	6.8	2	2	17:02			25.7	6.37	3.54	5.7
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	CS6	Bottom	12.6	3	1	17:02			25.8	6.24	3.61	6.1
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	CS6	Bottom	12.6	3	2	17:02			25.9	6.26	3.63	7
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS12	Surface	1	1	1	19:26			25.5	6.24	3.39	4.4
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS12	Surface	1	1	2	19:26			25.5	6.26	3.41	4.3
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS12	Middle	7.5		1	19:26			25.6	6.29	3.46	6.4
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS12	Middle	7.5		2	19:26			25.7	6.31	3.48	6.4
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS12	Bottom	14	3	1	19:26			25.8	6.11	3.53	5.5
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS12	Bottom	14	3	2	19:26			25.9	6.13	3.55	5.3
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS13	Surface	1	1	1	19:02			25.5	6.11	3.46	5.6
TMCLKL	HY/2012/08	2014-04-28 2014-04-28		Cloudy	Small Wave Small Wave	IS13	Surface	6.1	1		19:02			25.6	6.13	3.44	5.8 4.8
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-28		Cloudy		IS13 IS13	Middle Middle	6.1	2	1	19:02		7.77 7.75	25.7 25.7	6.35 6.37	3.55 3.57	4.8
TMCLKL	HY/2012/08	2014-04-28		Cloudy Cloudy	Small Wave Small Wave	IS13	Bottom	6.1 11.1	3		19:02 19:02		7.75	25. <i>1</i> 25.8	6.06	3.61	5.9
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS13	Bottom	11.1	3	1	19:02			25.9	6.08	3.63	6.3
TMCLKL	HY/2012/08	2014-04-28			Small Wave	IS14	Surface	11.1	3		19:50	22.0		25.5	6.19	3.45	6.3
TMCLKL	HY/2012/08	2014-04-28		Cloudy Cloudy	Small Wave	IS14	Surface	1	1	1	19:50	22.2	7.69	25.6	6.19	3.45	5.1
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS14	Middle	8.2	2		19:50	22.3		25.7	6.35	3.55	5.8
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS14	Middle	8.2	2	2	19:50	22.3		25.7	6.37	3.58	5.9
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS14	Bottom	11.4	3	1	19:50	22.5	7.81	25.8	6.15	3.62	5.9
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS14	Bottom	11.4	3	2	19:50			25.9	6.17	3.64	5.6
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS15	Surface	11.7	1	1	18:38			25.5	6.17	3.5	5.1
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS15	Surface	1	1	2	18:38		7.78	25.6	6.19	3.52	4.4
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS15	Middle	6.3	2	1	18:38			25.7	6.24	3.63	4.1
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS15	Middle	6.3	2	2	18:38			25.8	6.22	3.65	3.5
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS15	Bottom	11.5	3	1	18:38	22.6		25.9	6.09	3.71	3.9
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS15	Bottom	11.5	3	2	18:38			26	6.11	3.73	3.3
TMCLKL	HY/2012/08	2014-04-28	1	Cloudy	Small Wave	SR8	Surface	11.0	1	1	17:50			25.5	6.35	3.41	6.6
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	SR8	Surface	1	1	2	17:50			25.6	6.37	3.39	8
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	SR8	Middle		2	1	17:50			20.0	0.01	0.00	
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	SR8	Middle		2	2	17:50						
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	SR8	Bottom	4.4	3	1	17:50		7.82	25.7	6.27	3.55	7.9
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	SR8	Bottom	4.4	3	2	17:50		7.8	25.6	6.25	3.57	7.8
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	SR9	Surface	1	1	1	18:14			25.5	6.23	3.39	4.8
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	SR9	Surface	1	1	2	18:14			25.5	6.25	3.41	5.6
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	SR9	Middle		2	1	18:14						
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	SR9	Middle		2	2	18:14						
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	SR9	Bottom	4	3	1	18:14		7.75	25.6	6.11	3.73	5.5
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	SR9	Bottom	4	3	2	18:14				6.13	3.71	5.5
TMCLKL	HY/2012/08	2014-04-28	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	1	17:26			25.5	6.2	3.47	5.8
TMCLKL	HY/2012/08	2014-04-28	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	2	17:26			25.5	6.22	3.49	5.7
TMCLKL	HY/2012/08	2014-04-28	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	8.3	2	1	17:26	22.3		25.6	6.31	3.46	6.9
TMCLKL	HY/2012/08	2014-04-28	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	8.3	2	2	17:26	22.4	7.67	25.7	6.33	3.44	6.8
TMCLKL	HY/2012/08	2014-04-28	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	15.5	3	1	17:26	22.5	7.73	25.8	6.2	3.71	5.7
TMCLKL	HY/2012/08	2014-04-28	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	15.5	3	2	17:26	22.6	7.75	25.8	6.18	3.69	6.2
TMCLKL	HY/2012/08	2014-04-28	Mid-Ebb	Cloudy	Small Wave	CS4	Surface	1	1	1	10:42	22.2	7.74	25.5	6.09	3.52	5.2
TMCLKL	HY/2012/08	2014-04-28	Mid-Ebb	Cloudy	Small Wave	CS4	Surface	1	1	2	10:42	22.2	7.76	25.6	6.07	3.54	5.8
TMCLKL	HY/2012/08	2014-04-28	Mid-Ebb	Cloudy	Small Wave	CS4	Middle	11.7	2	1	10:42	22.3	7.81	25.7	6.14	3.66	6
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	CS4	Middle	11.7	2	2	10:42	22.4	7.83	25.8	6.16	3.68	6.7
TMCLKL	HY/2012/08	2014-04-28	Mid-Ebb	Cloudy	Small Wave	CS4	Bottom	22.3	3	1	10:42	22.5	7.66	25.8	6.1	3.8	8.1
TMCLKL	HY/2012/08	2014-04-28	Mid-Ebb	Cloudy	Small Wave	CS4	Bottom	22.3	3	2	10:42	22.6	7.68	25.9	6.08	3.82	5.8
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	CS6	Surface	1	1	1	13:42	22.2	7.73	25.5	6.25	3.47	6.7
TMCLKL	HY/2012/08	2014-04-28	Mid-Ebb	Cloudy	Small Wave	CS6	Surface	1	1	2	13:42	22.3	7.71	25.5	6.23	3.49	6.8
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	CS6	Middle	6.7	2	1	13:42	22.4	7.66	25.6	6.31	3.59	6.4
TMCLKL	HY/2012/08	2014-04-28	Mid-Ebb	Cloudy	Small Wave	CS6	Middle	6.7	2	2	13:42	22.5	7.68	25.7	6.29	3.61	6.8
TMCLKL	HY/2012/08	2014-04-28		Cloudy	Small Wave	CS6	Bottom	12.4	3	1	13:42		7.69	25.8	6.17	3.66	5.7
TMCLKI	HY/2012/08	2014-04-28		Cloudy	Small Wave	CS6	Bottom	12.4	3	2	13:42	22.6	7.71		6.19	3.68	

TMCLKL HY TMCLKL HY TMCLKL HY TMCLKL HY	HY/2012/08 HY/2012/08 HY/2012/08	2014-04-28	Mid-Ebb	<u>~</u> : ·	Condition			Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL HY TMCLKL HY TMCLKL HY		1 004404		Cloudy	Small Wave	IS12	Surface	1	1	1	11:20	22.3		25.5	6.17	3.43	5.6
TMCLKL HY TMCLKL HY	HY/2012/08		Mid-Ebb	Cloudy	Small Wave	IS12	Surface	1	1	2	11:20	22.3	7.71	25.6	6.19	3.45	4.9
TMCLKL HY	11//0040/00	2014-04-28		Cloudy	Small Wave	IS12	Middle	7.4	2	1	11:20	22.4		25.7	6.23	3.53	5.5
TMCLKL H	HY/2012/08 HY/2012/08	2014-04-28 2014-04-28		Cloudy Cloudy	Small Wave Small Wave	IS12 IS12	Middle Bottom	7.4 13.8	2		11:20 11:20	22.5 22.6		25.7 25.8	6.25 6.07	3.51 3.6	6.5 5.2
	11/2012/08 1Y/2012/08	2014-04-28		Cloudy	Small Wave	IS12	Bottom	13.8	3	2	11:20	22.5		25.9	6.07	3.62	6.1
TMCLKL  H)	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS13	Surface	13.0	1	1	11:44	22.2		25.5	6.09	3.49	5.5
	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS13	Surface	1	1	2	11:44	22.3		25.5	6.07	3.51	5.7
	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS13	Middle	6	2		11:44	22.4		25.6	6.31	3.6	6.4
	HY/2012/08	2014-04-28	Mid-Ebb	Cloudy	Small Wave	IS13	Middle	6	2	2	11:44	22.5	7.74	25.7	6.29	3.62	6.7
TMCLKL HY	HY/2012/08	2014-04-28	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	10.9	3	1	11:44	22.6	7.69	25.8	6	3.65	5.2
TMCLKL HY	HY/2012/08	2014-04-28	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	10.9	3	2	11:44	22.7	7.67	25.7	6.02	3.67	6.4
	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS14	Surface	1	1	1	11:00	22.2		25.5	6.3	3.51	6.7
	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS14	Surface	1	1	2	11:00	22.3	7.67	25.5	6.25	3.53	6.9
	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS14	Middle	8.1	2	1	11:00	22.4		25.6	6.27	3.64	5.6
	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS14	Middle	8.1	2	2	11:00	22.4		25.7	6.25	3.62	5.2
	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS14	Bottom	15.2	3	1	11:00	22.5		25.7	6.11	3.66	
	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS14	Bottom	15.2	3	2	11:00	22.6		25.8	6.13	3.68	6.4 6.5
	HY/2012/08 HY/2012/08	2014-04-28 2014-04-28		Cloudy Cloudy	Small Wave Small Wave	IS15 IS15	Surface Surface	1	1	1	12:08 12:08	22.2 22.2	7.76 7.78	25.5 25.6	6.13 6.11	3.54 3.56	5.9
	11/2012/08 1Y/2012/08	2014-04-28		Cloudy	Small Wave	IS15	Middle	6.2	2		12:08	22.2	7.78	25.7	6.17	3.72	5.9 5.1
	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS15	Middle	6.2	2	2	12:08	22.4	7.85	25.7	6.19	3.72	4.8
	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS15	Bottom	11.3	3	1	12:08	22.5	7.67	25.8	6.15	3.76	5.7
	HY/2012/08	2014-04-28		Cloudy	Small Wave	IS15	Bottom	11.3	3	2	12:08	22.6		25.9	5.98	3.78	4.5
	HY/2012/08	2014-04-28		Cloudy	Small Wave	SR8	Surface	1	1		12:54	22.2	7.72	25.5	6.31	3.45	6.5
	HY/2012/08	2014-04-28		Cloudy	Small Wave	SR8	Surface	1	1	2	12:54	22.2	7.7	25.6	6.29	3.47	5.6
TMCLKL H	HY/2012/08	2014-04-28		Cloudy	Small Wave	SR8	Middle		2	1	12:54						
TMCLKL HY	HY/2012/08	2014-04-28	Mid-Ebb	Cloudy	Small Wave	SR8	Middle		2	2	12:54						
TMCLKL HY	HY/2012/08	2014-04-28	Mid-Ebb	Cloudy	Small Wave	SR8	Bottom	4.1	3	1	12:54	22.3	7.65	25.7	6.22	3.61	5.9
	HY/2012/08	2014-04-28		Cloudy	Small Wave	SR8	Bottom	4.1	3	2	12:54	22.4		25.6	6.24	3.62	5.6
	HY/2012/08	2014-04-28		Cloudy	Small Wave	SR9	Surface	1	1	1	12:30	22.2		25.5	6.17	3.43	5.3
	HY/2012/08	2014-04-28		Cloudy	Small Wave	SR9	Surface	1	1	2	12:30	22.3	7.83	25.5	6.19	3.45	5
	HY/2012/08	2014-04-28		Cloudy	Small Wave	SR9	Middle		2	1	12:30						
	HY/2012/08	2014-04-28		Cloudy	Small Wave	SR9	Middle	0.0	2	2	12:30	00.4	7 77	05.0	0.07	0.04	
	HY/2012/08	2014-04-28		Cloudy	Small Wave	SR9	Bottom	3.8	3	1	12:30	22.4		25.6	6.07	3.81	5
	1Y/2012/08	2014-04-28		Cloudy	Small Wave	SR9 SR10A	Bottom	3.8	3		12:30	22.4 22.2		25.7	6.05 6.15	3.79 3.52	6.5
	HY/2012/08 HY/2012/08	2014-04-28 2014-04-28		Cloudy Cloudy	Small Wave Small Wave	SR10A SR10A	Surface Surface	1	1	2	13:18 13:18	22.2		25.5 25.6	6.13	3.54	4.7 4.2
	HY/2012/08	2014-04-28		Cloudy	Small Wave	SR10A	Middle	8.2	2	1	13:18		7.72	25.7	6.26	3.51	6.8
	HY/2012/08	2014-04-28		Cloudy	Small Wave	SR10A	Middle	8.2	2	2	13:18	22.5		25.7	6.28	3.49	5.2
	HY/2012/08	2014-04-28		Cloudy	Small Wave	SR10A	Bottom	15.3	3	1	13:18	22.6		25.8	6.13	3.68	7.5
	HY/2012/08	2014-04-28		Cloudy	Small Wave	+	Bottom	15.3	3	2	13:18			25.8	6.15	3.66	7.2
	HY/2012/08	2014-04-30		Cloudy	Small Wave	CS4	Surface	1	1	1	21:08				6.12	3.51	3.7
	HY/2012/08	2014-04-30		Cloudy	Small Wave	CS4	Surface	1	1	2	21:08	23.2		27.3	6.07	3.52	3.1
TMCLKL HY	HY/2012/08	2014-04-30	Mid-Flood	Cloudy	Small Wave	CS4	Middle	11.7	2	1	21:08	23.5	7.71	27.5	6.23	3.37	4.3
TMCLKL HY	HY/2012/08	2014-04-30	Mid-Flood	Cloudy	Small Wave	CS4	Middle	11.7	2	2	21:08	23.5	7.65	27.4	6.26	3.38	4
	HY/2012/08	2014-04-30		Cloudy	Small Wave	CS4	Bottom	22.3	3	1	21:08	23.6	7.63	27.6	6.01	3.63	4.3
	HY/2012/08	2014-04-30		Cloudy	Small Wave	CS4	Bottom	22.3	3	2	21:08	23.7		27.7	5.97	3.66	4.6
	HY/2012/08	2014-04-30		Cloudy	Small Wave	CS6	Surface	1	1	1	18:40	23.5	7.79	27.1	5.97	3.62	3.2
	HY/2012/08	2014-04-30		Cloudy	Small Wave	CS6	Surface	1	1	2	18:40	23.3	7.82	27.3	5.92	3.65	3.2
	HY/2012/08	2014-04-30		Cloudy	Small Wave	CS6	Middle	7	2	1	18:40	23.6	7.76	27.4	6.14	3.46	4.4
	HY/2012/08	2014-04-30		Cloudy	Small Wave	CS6	Middle	7	2	2	18:40	23.5	7.72	27.3	6.17	3.41	2.4
	1Y/2012/08	2014-04-30		Cloudy	Small Wave	CS6	Bottom	12.9	3	1	18:40	23.6	7.66	27.5	5.83 5.85	3.68	4.9
	1Y/2012/08	2014-04-30		Cloudy	Small Wave	CS6	Bottom	12.9	3	2	18:40	23.7	7.69	27.5	5.85 6.04	3.73	4.2 3.1
	HY/2012/08 HY/2012/08	2014-04-30 2014-04-30		Cloudy Cloudy	Small Wave Small Wave	IS12 IS12	Surface Surface	1	1	1	20:28 20:28	23.2 23.3	7.74 7.71	27.2 27.3	6.04 6.08	3.61 3.64	3.7
	1Y/2012/08 1Y/2012/08	2014-04-30		Cloudy	Small Wave		Middle	7.8	1	<u> </u>	20:28			27.5	6.08	3.64	3.7

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS12	Middle	7.8		2	20:28	23.4		27.5	6.17	3.46	
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS12	Bottom	14.5		1	20:28	23.5		27.7	5.93	3.7	3.2
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS12	Bottom	14.5	3	2	20:28	23.4		27.6	5.96	3.65	
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS13	Surface	1	1	1	20:10		7.67	27.3	6.11	3.63	
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS13	Surface	1	1	2	20:10		7.71	27.2	6.06	3.64	2.7
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS13	Middle	6.3		1	20:10		7.61	27.5	6.21	3.45	3.5 3.3
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-30 2014-04-30		Cloudy	Small Wave Small Wave	IS13 IS13	Middle	6.3 11.6			20:10	23.6	7.65	27.6 27.8	6.25 5.93	3.47 3.72	
TMCLKL	HY/2012/08	2014-04-30		Cloudy Cloudy	Small Wave	IS13	Bottom Bottom	11.6	_	2	20:10		7.58 7.55	27.8	5.98	3.72	
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS14	Surface	11.0	1	1	20:46		7.76	27.4	5.96	3.62	
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS14	Surface	1	1	2	20:46	23.4		27.3	6.01	3.59	
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS14	Middle	8.4	2	1	20:46		7.73	27.5	6.14	3.49	2.6
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS14	Middle	8.4		2	20:46	23.6		27.6	6.18	3.46	
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS14	Bottom	15.8		1	20:46	23.7		27.7	5.82	3.82	
TMCLKL	HY/2012/08	2014-04-30	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	15.8	3	2	20:46	23.7		27.5	5.84	3.85	
TMCLKL	HY/2012/08	2014-04-30	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	1	19:52	23.3	7.72	27.4	5.93	3.69	3.8
TMCLKL	HY/2012/08	2014-04-30	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	2	19:52	23.2	7.78	27.4	5.95	3.63	
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS15	Middle	6.4		1	19:52	23.4		27.6	6.12	3.44	3.8 3.9
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS15	Middle	6.4	2	2	19:52	23.5		27.5	6.16	3.49	3.9
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS15	Bottom	11.7	3	1	19:52	23.7		27.8	5.88	3.72	3.8 3.6
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS15	Bottom	11.7	3	2	19:52	23.5		27.8	5.91	3.74	3.6
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	SR8	Surface	1	1	1	19:16	23.4		27.4	6.08	3.51	2.1
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	SR8	Surface	1	1	2	19:16	23.5	7.78	27.4	6.05	3.54	3.3
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-30 2014-04-30		Cloudy	Small Wave Small Wave	SR8 SR8	Middle Middle		2	1	19:16 19:16						
TMCLKL	HY/2012/08	2014-04-30		Cloudy Cloudy	Small Wave	SR8	Bottom	4.7	3		19:16	23.7	7.71	27.6	5.94	3.64	13
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	SR8	Bottom	4.7	_	2	19:16	23.6		27.7	5.98	3.69	4.3 3.5
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	SR9	Surface	1	1	1	19:34	23.3		27.3	6.08	3.47	
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	SR9	Surface	1	1	2	19:34	23.2		27.2	6.12	3.44	
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	SR9	Middle		2		19:34				<u> </u>	<u> </u>	<b>U</b>
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	SR9	Middle		2	2	19:34						
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	SR9	Bottom	4.6	3	1	19:34	23.4	7.66	27.5	6.01	3.52	2.8
TMCLKL	HY/2012/08	2014-04-30	Mid-Flood	Cloudy	Small Wave	SR9	Bottom	4.6	3	2	19:34	23.3	7.64	27.5	6.04	3.58	
TMCLKL	HY/2012/08	2014-04-30	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	1	18:58	23.3	7.81	27.2	6.05	3.52	
TMCLKL	HY/2012/08	2014-04-30	Mid-Flood	Cloudy	Small Wave		Surface	1	1	2	18:58	23.4	7.83	27.2	6.08	3.54	
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave		Middle	7.4		1	18:58	23.6		27.3	6.15	3.35	
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	+	Middle	7.4	2	2	18:58	23.6		27.2	6.18	3.38	
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave		Bottom	13.7	3	1	18:58	23.7		27.5	5.94	3.64	2.2
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave		Bottom	13.7	3	2	18:58	23.6		27.6	5.92	3.67	
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	CS4	Surface	1	1	1	12:00		7.72	27.4	6.01	3.61	3.2
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	CS4	Surface	14.6	1		12:00		7.67	27.5	5.96	3.63	
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-04-30 2014-04-30		Cloudy Cloudy	Small Wave Small Wave	CS4 CS4	Middle Middle	11.6 11.6		1	12:00 12:00	23.7 23.9		27.8 27.8	6.15 6.11	3.43 3.47	
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	CS4	Bottom	22.1	2	1	12:00		7.57	27.9	5.82	3.88	
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	CS4	Bottom	22.1	3	2	12:00	24.1		28.1	5.85	3.85	
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	CS6	Surface	1	1	1	15:01		7.74	27.7	5.84	3.72	
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	CS6	Surface	1	1	2	15:01	23.7		27.6	5.88	3.76	
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	CS6	Middle	6.9	2	1	15:01	23.8		27.8	6.04	3.53	3.6
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	CS6	Middle	6.9		2	15:01	23.9		27.7	5.97	3.49	3.3
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	CS6	Bottom	12.7	3	1	15:01		7.62	27.8	5.76	3.82	2.7
TMCLKL	HY/2012/08	2014-04-30	Mid-Ebb	Cloudy	Small Wave	CS6	Bottom	12.7	3	2	15:01	24.2	7.64	27.9	5.72	3.79	3.8
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS12	Surface	1	1	1	12:47	23.8		27.5	5.93	3.72	
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS12	Surface	1	1	2	12:47	23.7		27.6	5.97	3.74	3.2 2.1
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS12	Middle	7.6		1	12:47	24.1	7.62	27.7	6.14	3.53	
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS12	Middle	7.6		2	12:47	24.1	7.67	27.7	6.08	3.49	
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS12	Bottom	14.2		1	12:47	24.2		27.8	5.81	3.82	
TMCLKL	HY/2012/08	2014-04-30	Mid-Ebb	Cloudy	Small Wave	IS12	Bottom	14.2	3	2	12:47	24.1	7.64	27.9	5.77	3.78	2.8

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-04-30	Mid-Ebb	Cloudy	Small Wave	IS13	Surface	1	1	1	13:12	23.6	7.79	27.7	5.92	3.71	2.3
TMCLKL	HY/2012/08	2014-04-30	Mid-Ebb	Cloudy	Small Wave	IS13	Surface	1	1	2	13:12	23.7	7.76	27.7	5.97	3.75	3.1
TMCLKL	HY/2012/08	2014-04-30	Mid-Ebb	Cloudy	Small Wave	IS13	Middle	6.2	2	1	13:12	23.7	7.71	27.8	6.11	3.52	2.7
TMCLKL	HY/2012/08	2014-04-30	Mid-Ebb	Cloudy	Small Wave	IS13	Middle	6.2	2	2	13:12	23.7	7.74	27.7	6.08	3.53	2.9
TMCLKL	HY/2012/08	2014-04-30	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	11.3	3	1	13:12	23.8	7.65	27.9	5.81	3.88	3.1
TMCLKL	HY/2012/08	2014-04-30	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	11.3	3	2	13:12	23.8	7.67	27.9	5.78	3.85	3.4
TMCLKL	HY/2012/08	2014-04-30	Mid-Ebb	Cloudy	Small Wave	IS14	Surface	1	1	1	12:24	23.9	7.65	27.8	5.89	3.68	2.9
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS14	Surface	1	1	2	12:24	23.8	7.71	27.7	5.92	3.74	2.8
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS14	Middle	8.2	2	1	12:24	24.2		27.9	6.05	3.52	3.8
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS14	Middle	8.2	2	2	12:24	24.1		28.1	6.11	3.56	2.9
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS14	Bottom	15.4	3	1	12:24	24.3		28.3	5.76	3.94	3.9
TMCLKL	HY/2012/08	2014-04-30	Mid-Ebb	Cloudy	Small Wave	IS14	Bottom	15.4	3	2	12:24	24.1	7.58	28.2	5.72	3.91	2.6
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS15	Surface	1	1	1	13:37	23.8		27.6	5.83	3.81	2.7
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS15	Surface	1	1	2	13:37	23.8		27.7	5.87	3.84	3.1
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS15	Middle	6.3	2	1	13:37	23.9		27.8	5.98	3.63	3.1
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS15	Middle	6.3	2	2	13:37	24.1	7.68	27.8	6.05	3.66	3.5
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	IS15	Bottom	11.5	3	1	13:37	24.2		27.9	5.73	3.89	3.2
TMCLKL	HY/2012/08	2014-04-30	Mid-Ebb	Cloudy	Small Wave	IS15	Bottom	11.5	3	2	13:37	24.1	7.69	27.9	5.75	3.92	4.8
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	SR8	Surface	1	1	1	14:23	23.8		27.8	5.93	3.65	2.8
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	SR8	Surface	1	1	2	14:23	23.7	7.77	27.8	5.96	3.69	2.7
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	SR8	Middle		2	1	14:23						
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	SR8	Middle		2	2	14:23						
TMCLKL	HY/2012/08	2014-04-30	Mid-Ebb	Cloudy	Small Wave	SR8	Bottom	4.5	3	1	14:23	24		27.9	5.82	3.81	2.9
TMCLKL	HY/2012/08	2014-04-30	Mid-Ebb	Cloudy	Small Wave	SR8	Bottom	4.5	3	2	14:23	23.9	7.69	27.8	5.87	3.76	3.3
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	SR9	Surface	1	1	1	14:00	23.6		27.7	5.92	3.54	3.3
TMCLKL	HY/2012/08	2014-04-30	Mid-Ebb	Cloudy	Small Wave	SR9	Surface	1	1	2	14:00	23.7	7.64	27.8	5.95	3.59	3
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	SR9	Middle		2	1	14:00						
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	SR9	Middle		2	2	14:00						
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	SR9	Bottom	4.5	3	1	14:00	23.9	7.62	28.1	5.81	3.67	
TMCLKL	HY/2012/08	2014-04-30	Mid-Ebb	Cloudy	Small Wave	SR9	Bottom	4.5	3	2	14:00	23.8	7.64	27.9	5.84	3.69	3.3
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	-	Surface	1	1	1	14:48			27.7	5.92	3.63	3.9
TMCLKL	HY/2012/08	2014-04-30		Cloudy	Small Wave	-	-	1	1	2	14:48			27.8	5.95	3.67	3
TMCLKL	HY/2012/08	2014-04-30	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	7.2	2	1	14:48	23.8	7.62	27.9	6.07	3.42	
TMCLKL	HY/2012/08	2014-04-30	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	7.2	2	2	14:48	23.7	7.65	27.8	6.12	3.49	3.2
TMCLKL	HY/2012/08	2014-04-30	Mid-Ebb	Cloudy	Small Wave	SR10A	Bottom	13.4	3	1	14:48	23.9	7.58	28.1	5.88	3.78	2.2
TMCLKL	HY/2012/08	2014-04-30	Mid-Ebb	Cloudy	Small Wave	SR10A	Bottom	13.4	3	2	14:48	23.9	7.63	28.1	5.91	3.81	3.2

## Appendix J

## Impact Dolphin Monitoring Survey

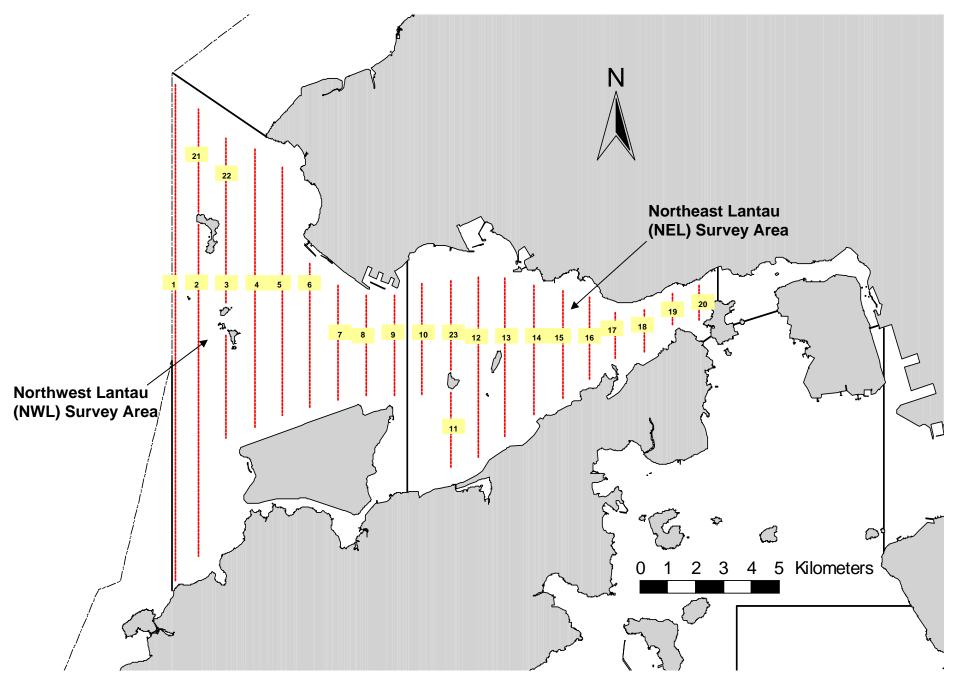


Figure 1. Transect Line Layout in Northwest and Northeast Lantau Survey Areas

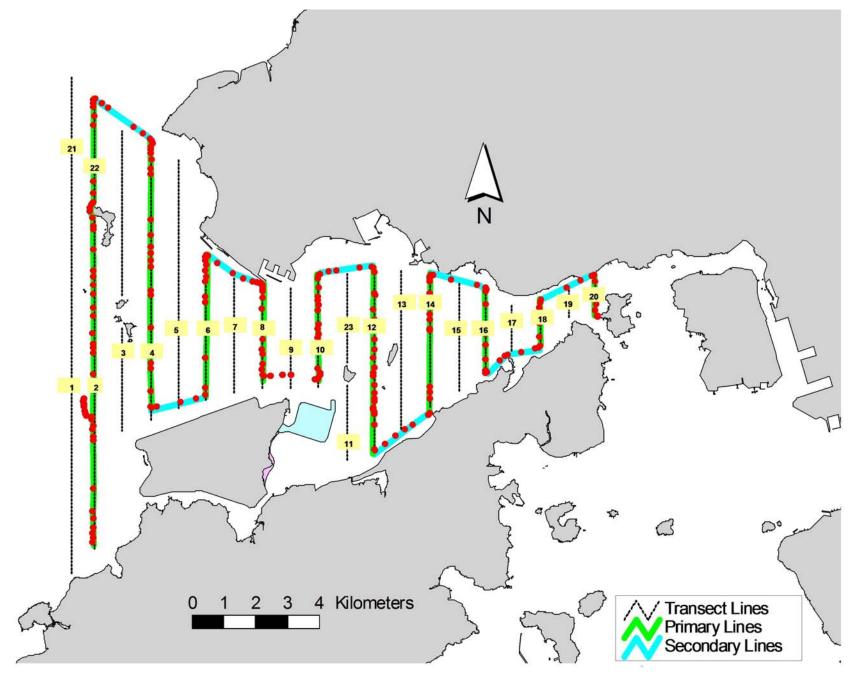


Figure 2. Survey Route on April 4th, 2014 (from HKLR03 project)

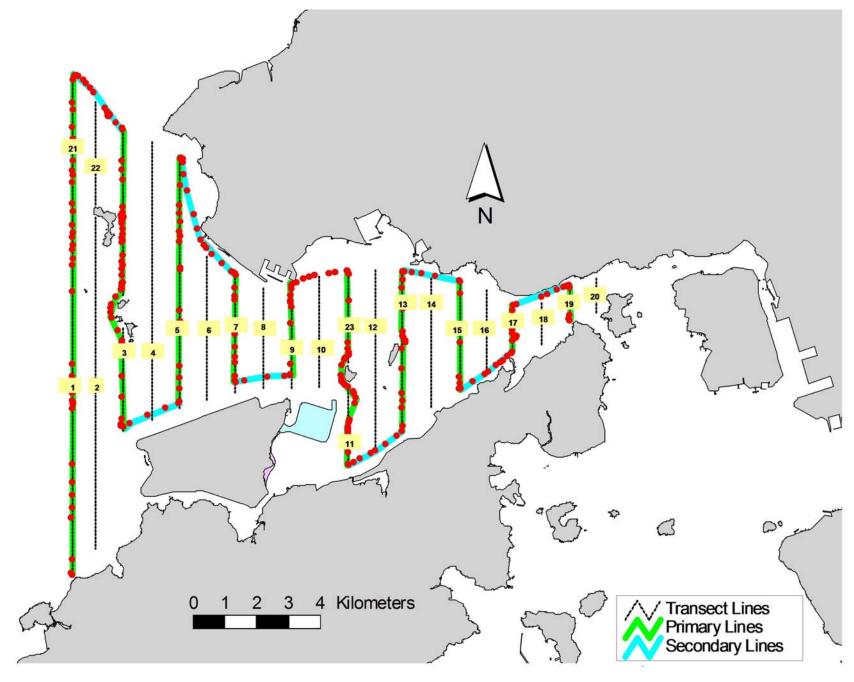


Figure 3. Survey Route on April 14th, 2014 (from HKLR03 project)

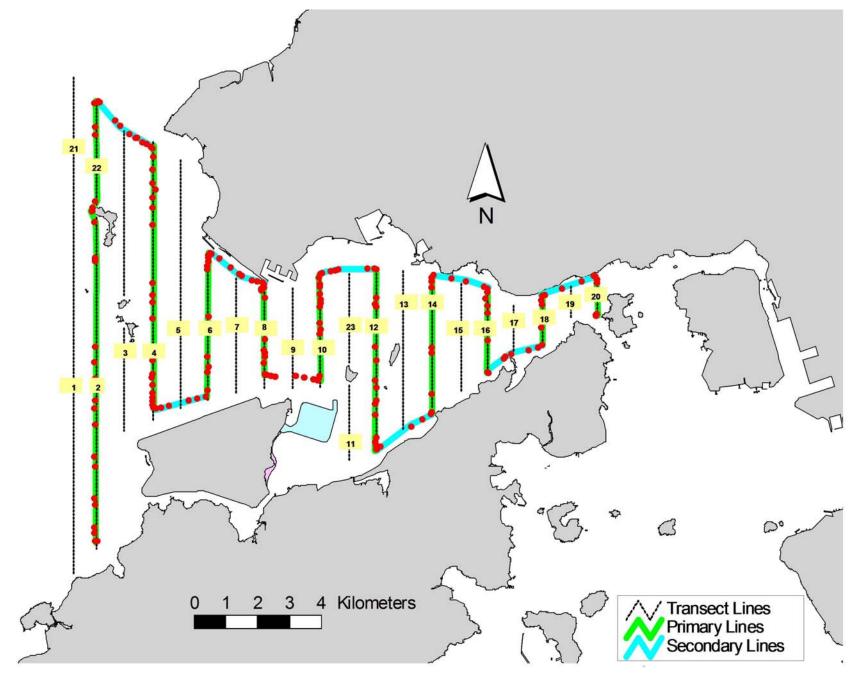


Figure 4. Survey Route on April 16th, 2014 (from HKLR03 project)

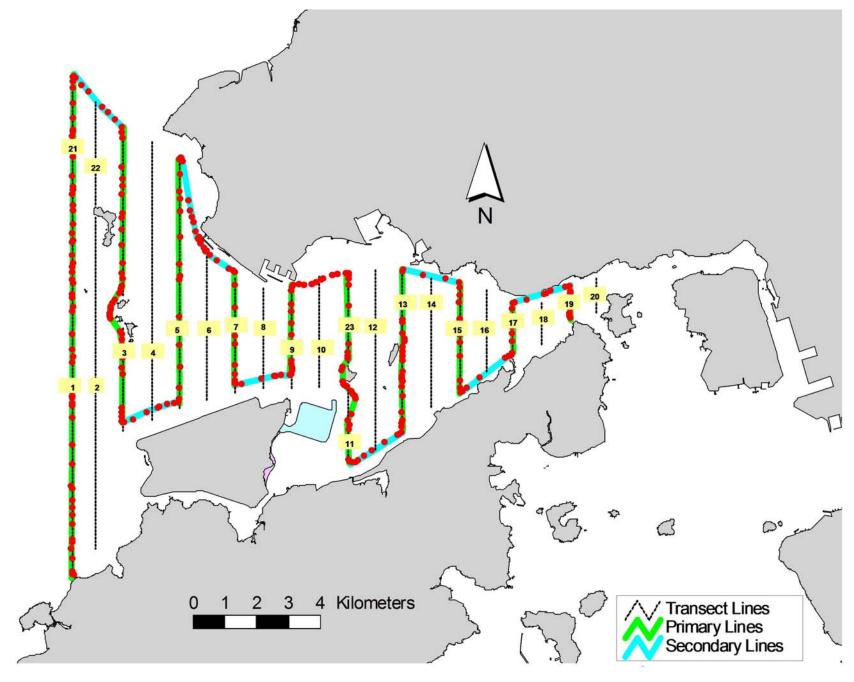


Figure 5. Survey Route on April 24th, 2014 (from HKLR03 project)

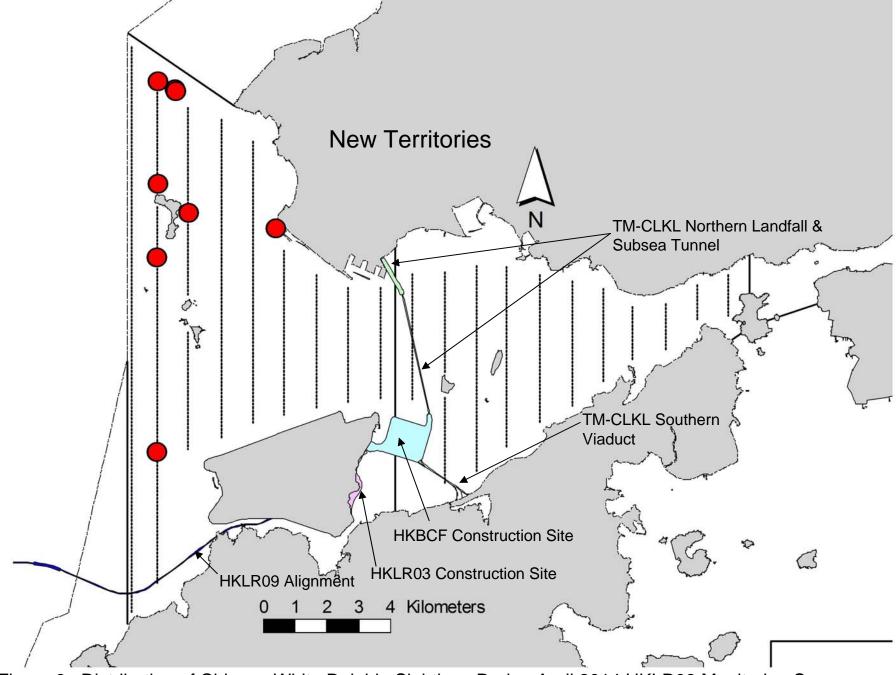


Figure 6. Distribution of Chinese White Dolphin Sightings During April 2014 HKLR03 Monitoring Surveys

## Appendix I. HKLR03 Survey Effort Database (April 2014)

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

DATE	AREA	BEAU	EFFORT	SEASON	VESSEL	TYPE	P/S
4-Apr-14	NW LANTAU	1	1.41	SPRING	STANDARD31516	HKLR	Р
4-Apr-14	NW LANTAU	2	8.57	SPRING	STANDARD31516	HKLR	Р
4-Apr-14	NW LANTAU	3	14.93	SPRING	STANDARD31516	HKLR	Р
4-Apr-14	NW LANTAU	4	3.00	SPRING	STANDARD31516	HKLR	Р
4-Apr-14	NW LANTAU	2	3.16	SPRING	STANDARD31516	HKLR	S
4-Apr-14		3	3.00	SPRING	STANDARD31516	HKLR	S
4-Apr-14		4	1.00	SPRING	STANDARD31516	HKLR	S
4-Apr-14	NE LANTAU	2	0.80	SPRING	STANDARD31516	HKLR	Р
4-Apr-14	NE LANTAU	3	15.53	SPRING	STANDARD31516	HKLR	Р
4-Apr-14	NE LANTAU	4	4.16	SPRING	STANDARD31516	HKLR	Р
4-Apr-14		2	2.20	SPRING	STANDARD31516	HKLR	S
4-Apr-14	NE LANTAU	3	8.51	SPRING	STANDARD31516	HKLR	S
14-Apr-14		2	0.90	SPRING	STANDARD31516	HKLR	P
14-Apr-14		3	9.61	SPRING	STANDARD31516	HKLR	P
14-Apr-14		4	6.20	SPRING	STANDARD31516	HKLR	Р
14-Apr-14		2	1.80	SPRING	STANDARD31516	HKLR	S
14-Apr-14		3	6.39	SPRING	STANDARD31516	HKLR	S
14-Apr-14		4	2.90	SPRING	STANDARD31516	HKLR	S
14-Apr-14	NW LANTAU	2	1.40	SPRING	STANDARD31516	HKLR	P
14-Apr-14	NW LANTAU	3	14.62	SPRING	STANDARD31516	HKLR	P
14-Apr-14		4	23.91	SPRING	STANDARD31516	HKLR	P
14-Apr-14		2	2.10	SPRING	STANDARD31516	HKLR	S
14-Apr-14		3	7.86	SPRING	STANDARD31516 STANDARD31516	HKLR	S
14-Apr-14		4	2.99	SPRING	STANDARD31516 STANDARD31516	HKLR	S
16-Apr-14	NW LANTAU	2	4.27	SPRING	STANDARD31516 STANDARD31516	HKLR	P
16-Apr-14		3	24.56	SPRING	STANDARD31516 STANDARD31516	HKLR	P
16-Apr-14		4	2.91	SPRING	STANDARD31516	HKLR	P
16-Apr-14		2	2.45	SPRING	STANDARD31516	HKLR	
16-Apr-14	NW LANTAU	3	4.20	SPRING	STANDARD31516	HKLR	S S
16-Apr-14		2	3.94	SPRING	STANDARD31516	HKLR	P
16-Apr-14	NE LANTAU	3	15.37	SPRING	STANDARD31516	HKLR	Р
16-Apr-14	NE LANTAU	4	1.10	SPRING	STANDARD31516	HKLR	Р
16-Apr-14	NE LANTAU	2	1.20	SPRING	STANDARD31516	HKLR	S
16-Apr-14	NE LANTAU	3	9.49	SPRING	STANDARD31516	HKLR	S
24-Apr-14	NW LANTAU	2	1.91	SPRING	STANDARD31516	HKLR	Р
24-Apr-14	NW LANTAU	3	29.94	SPRING	STANDARD31516	HKLR	Р
24-Apr-14		4	8.44	SPRING	STANDARD31516	HKLR	Р
24-Apr-14		2	0.80	SPRING	STANDARD31516	HKLR	S
24-Apr-14		3	9.72	SPRING	STANDARD31516	HKLR	S S
24-Apr-14		4	2.20	SPRING	STANDARD31516	HKLR	
24-Apr-14	NE LANTAU	2	5.03	SPRING	STANDARD31516	HKLR	Р
24-Apr-14	NE LANTAU	3	10.14	SPRING	STANDARD31516	HKLR	Р
24-Apr-14	NE LANTAU	4	1.31	SPRING	STANDARD31516	HKLR	Р
24-Apr-14	NE LANTAU	2	7.37	SPRING	STANDARD31516	HKLR	S
24-Apr-14	NE LANTAU	3	3.65	SPRING	STANDARD31516	HKLR	S

Appendix II. HKLR03 Chinese White Dolphin Sighting Database (April 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
4-Apr-14	1	1021	3	NW LANTAU	3	43	ON	HKLR	819355	805442	SPRING	NONE	Р
14-Apr-14	1	1438	8	NW LANTAU	3	94	ON	HKLR	826451	806445	SPRING	NONE	Р
14-Apr-14	2	1517	2	NW LANTAU	4	273	ON	HKLR	830117	806010	SPRING	NONE	S
16-Apr-14	1	1048	4	NW LANTAU	2	541	ON	HKLR	825124	805454	SPRING	NONE	Р
16-Apr-14	2	1113	1	NW LANTAU	2	385	ON	HKLR	827306	805458	SPRING	NONE	Р
16-Apr-14	3	1137	2	NW LANTAU	2	17	ON	HKLR	830362	805465	SPRING	NONE	Р
16-Apr-14	4	1150	9	NW LANTAU	2	49	ON	HKLR	830073	806051	SPRING	NONE	S
24-Apr-14	1	1328	1	NW LANTAU	3	123	ON	HKLR	825992	809184	SPRING	NONE	S

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

ID#	DATE	STG#	AREA
EL01	16/04/14	2	NW LANTAU
NL24	14/04/14	1	NW LANTAU
NL48	16/04/14	4	NW LANTAU
NL104	16/04/14	4	NW LANTAU
NL120	14/04/14	1	NW LANTAU
NL145	16/04/14	1	NW LANTAU
NL182	24/04/14	1	NW LANTAU
NL202	16/04/14	4	NW LANTAU
NL214	16/04/14	3	NW LANTAU
NL224	16/04/14	3	NW LANTAU
NL226	04/04/14	1	NW LANTAU
NL259	04/04/14	1	NW LANTAU
	16/04/14	4	NW LANTAU
NL261	16/04/14	4	NW LANTAU
NL262	16/04/14	4	NW LANTAU
NL286	16/04/14	4	NW LANTAU
NL287	16/04/14	1	NW LANTAU
NL306	16/04/14	1	NW LANTAU
WL179	16/04/14	1	NW LANTAU



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



Appendix IV. (cont'd)



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							
1.	Identify the source.	1.	Check monitoring data	1.	Confirm receipt of	1.	Rectify any
2.	Repeat measurement to confirm finding. If two consecutive measurements exceed Action Level, the exceedance is then confirmed.	2.	submitted by the ET. Check the Contractor's working method.	2.	notification of failure in writing. Notify the Contractor.	2.	unacceptable practice Amend working methods if appropriate
3.	Inform the IEC and the SOR.	3.	If the exceedance is	3.	Ensure remedial measures	3.	If the exceedance is
4.	Investigate the cause of exceedance and check Contractor's working procedures to determine possible mitigation to be implemented.		confirmed to be Project related after investigation, discuss with the ET and the		properly implemented.		confirmed to be Project related, submit proposals for remedial
5.	If the exceedance is confirmed to be Project related after investigation, increase monitoring frequency to daily.	4	Contractor on possible remedial measures.				actions to IEC within 3 working days of
6.	Discuss with the IEC and the Contractor on remedial actions required.	4.	Advise the SOR on the effectiveness of the proposed			4.	notification Implement the agreed
7.	If exceedance continues, arrange meeting with the IEC and the SOR.	5.	remedial measures. Supervise implementation of			5.	proposals Amend proposal if
8.	If exceedance stops, cease additional monitoring.	0.	remedial measures.			٥.	appropriate

			Action			
	ET (a)	I	IEC (a)	SOR (a)		Contractor(s)
imit Level Exceedance						
1. 2. 3. 4. 5. 6. 7. 8.	Identify the source. Repeat measurement to confirm finding. If two consecutive measurements exceed Limit Level, the exceedance is then confirmed. Inform the IEC, the SOR, the DEP and the Contractor. Investigate the cause of exceedance and check Contractor's working procedures to determine possible mitigation to be implemented. If the exceedance is confirmed to be Project related after investigation, increase monitoring frequency to daily. Carry out analysis of the Contractor's working procedures to determine possible mitigation to be implemented. Arrange meeting with the IEC and the SOR to discuss the remedial actions to be taken. Assess effectiveness of the Contractor's remedial actions and keep the IEC, the DEP and the SOR informed of the results.	1. 2. 3. 4.	Check monitoring data submitted by the ET. Check Contractor's working method. If the exceedance is confirmed to be Project related after investigation, discuss with the ET and the Contractor on possible remedial measures. Advise the SOR on the effectiveness of the proposed remedial measures. Supervise implementation of remedial measures.	Confirm receipt of notification of failure in writing.  Notify the Contractor.  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.  Ensure remedial measures are properly implemented. 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.	<ol> <li>1.</li> <li>2.</li> <li>3.</li> <li>4.</li> <li>5.</li> </ol>	Take immediate action to avoid further exceedance. If the exceedance is confirmed to be Projected after investigation, submit proposals for remedia actions to IEC within working days of notification. Implement the agreed proposals. Amend proposal if appropriate. Stop the relevant activity of works as determined by the SC until the exceedance is abated.
9.						

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

## Event & Action Plan for Impact Water Quality Monitoring

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

Event	ET Leader	IEC	SOR	Contractor
	<ol> <li>Identify source(s) of imp</li> <li>Inform IEC, Contractor, EPD;</li> <li>Check monitoring data, equipment and Contract methods;</li> <li>Discuss mitigation measure. SOR and Contractor</li> </ol>	SOR and  2. Discuss with E Contractor on premedial action all plant, sor's working  3. Review the promitigation measubmitted by Cadvise the SOR	2. Discuss with IEC, ET and Contractor on the proposition measures; as; 3. Request Contractor to review the working methods.	
Limit level being exceeded by two or more consecutive sampling days	<ol> <li>Repeat measurement on exceedance to confirm fit</li> <li>Identify source(s) of imp</li> <li>Inform IEC, contractor, SEPD;</li> <li>Check monitoring data, equipment and Contract methods;</li> <li>Discuss mitigation measuremeth of the contract of the contract</li></ol>	submitted by E Contractor's we method;  SOR and  2. Discuss with E Contractor on p remedial action  all plant, tor's working 3. Review the Con mitigation mea whenever nece their effectiven the SOR accord  4. Supervise the implementation measures.	T and Orking  Contractor on the propose mitigation measures;  2. Request Contractor to critically review the working methods;  ss;  3. Make agreement on the mitigation measures to be implemented;  ssary to assure ess and advise ingly;  5. Consider and instruct, if	avoid further exceedance;  2. Submit proposal of mitigation measures to SOR within 3 working days of notification and discuss with ET, IEC and SOR;  a. Implement the agreed mitigation measures;  4. Resubmit proposals of mitigation measures if problem still not under control;  a to or  5. As directed by the Supervising Officer, to slow down or to stop all or part

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	<ol> <li>Repeat statistical data analysis to confirm findings;</li> <li>Review all available and relevant data, including raw data and statistical analysis results of other parameters covered in the EM&amp;A, to ascertain if differences are as a result of natural variation or previously observed seasonal differences;</li> <li>Identify source(s) of impact;</li> <li>Inform the IEC, SOR and Contractor;</li> <li>Check monitoring data.</li> <li>Review to ensure all the dolphin protective measures are fully and properly implemented and advise on additional measures if necessary.</li> </ol>	<ol> <li>Check monitoring data submitted by ET and Contractor;</li> <li>Discuss monitoring results and finding with the ET and the Contractor.</li> </ol>	<ol> <li>Discuss monitoring with the IEC and any other measures proposed by the ET;</li> <li>If SOR is satisfied with the proposal of any other measures, SOR to signify the agreement in writing on the measures to be implemented.</li> </ol>	<ol> <li>Inform the SOR and confirm notification of the non-compliance in writing;</li> <li>Discuss with the ET and the IEC and propose measures to the IEC and the SOR;</li> <li>Implement the agreed measures.</li> </ol>
Limit Level	<ol> <li>Repeat statistical data analysis to confirm findings;</li> <li>Review all available and relevant data, including raw data and statistical analysis results of other parameters covered in the EM&amp;A, to ascertain if differences are as a result of natural variation or previously observed seasonal differences;</li> </ol>	<ol> <li>Check monitoring data submitted by ET and Contractor;</li> <li>Discuss monitoring results and findings with the ET and the Contractor;</li> <li>Attend the meeting to discuss with ET, SOR and</li> </ol>	<ol> <li>Attend the meeting to discuss with ET, IEC and Contractor the necessity of additional dolphin monitoring and any other potential mitigation measures.</li> <li>If SOR is satisfied with the</li> </ol>	<ol> <li>Inform the SOR and confirm notification of the non-compliance in writing;</li> <li>Attend the meeting to discuss with ET, IEC and SOR the necessity of additional dolphin monitoring and any other</li> </ol>

EVENT		ACTION		
	ET	IEC	SOR	Contractor
	<ol> <li>Identify source(s) of impact;</li> <li>Inform the IEC, SOR and Contractor of findings;</li> <li>Check monitoring data;</li> <li>Repeat review to ensure all the dolphin protective measures are fully and properly implemented and advise on additional measures if necessary.</li> <li>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.</li> </ol>	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.

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

## 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	1	24
	Limit	0	2
24-hr TSP	Action	0	5
	Limit	0	1
Water Quality	Action	0	6
	Limit	0	1
Impact Dolphin	Action	0	1
Monitoring	Limit	0	0

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

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

**Email** message **Environmental** Resources Management

To ENVIRON - Hong Kong, Limited (ENPO) 16/F DCH Commercial Centre,

25 Westlands Road Quarry Bay, Hong Kong Telephone: (852) 2271 3113

From ERM- Hong Kong, Limited Facsimile: (852) 2723 5660 E-mail: jovy.tam@erm.com

Ref/Project number Contract No. HY/2012/08 Tuen Mun-Chek Lap

Kok Link-Northern Connection Sub-sea Tunnel

Section

Subject Notification of Exceedance for Water Quality

Impact Monitoring

Date 10 April 2014



Dear Sir or Madam,

Please find the Notification of Exceedance (NOE) of the following Log no.:

**Action Level Exceedance** 0212330\_31March2014\_SS\_F\_Station\_IS14

**Limit Level Exceedance** 

0212330\_31March2014\_SS\_F\_Station\_IS12

A total of two exceedances were recorded on 31 March 2014.

Regards,

Mr Jovy Tam

**Environmental Team Leader** 

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## **ERM-Hong Kong, Limited**

# CONTRACT NO. HY/2012/08 TUEN MUN - CHEK LAP KOK LINK NORTHERN CONNECTION SUB-SEA TUNNEL SECTION

## Marine Water Quality Impact Monitoring Notification of Exceedance

Log No.		2330_31March					
	021	2330_31March	4				
		[Total No. of Exceedances = 2]					
Date	31 March 2014 (Measured)						
	1 April 2014 (In situ results received by ERM)						
	10 April 2014 (Laboratory results received by ERM)						
Monitoring Station	CS4, C	CS6, SR8, SR9, SR10A, IS12, IS13, IS14, I	S15				
Parameter(s) with Exceedance(s)	Dept	h-averaged Suspended Solids (SS, mg/	L)				
Action Levels	SS	120% of upstream control station at	the same tide of the same day				
		(i.e., CS6: $10.8 \times 120\% = 13.0 \text{ mg/L fo}$	r mid-flood; CS4: 12.4 x 120%				
		= 14.9 mg/L for mid-ebb) <u>and</u> 95%-	ile of baseline data (i.e., 23.5				
	mg/L).						
Limit Levels	SS 130% of upstream control station at the same tide of the same day						
	and 10mg/L for WSD Seawater Intakes at Tuen Mun (i.e., CS6:						
	10.8 x 130% = 14.0 mg/L for mid-flood; CS4: 12.4 x 130% = 16.1						
		mg/L for mid-ebb) <u>and</u> 99%-ile of ba	· O· /				
Measured Levels	Limit Level Exceedance for SS is observed at IS12 (36.0 mg/L) during mid-flood tide.						
	Action Level Exceedance for SS	s observed at IS14 (25.1 mg/L) during					
Sampling Time	Sampling Station	Start Time	End Time				
	IS12 (Mid-Flood)	20:05	20:20				
	IS14 (Mid-Flood) 20:27 20:42						
Works Undertaken (at	According to the information pro	ovided by the Contractor, marine work	s conducted on 31 March				
the time of monitoring	2014 included:						
event)	Bottom dumping of G400 re	ock material to seawall trench was unde	ertaken at Zone C of Portion				
	N-B;						
	Unloading of seawall block	at Zone D of Portion N-B; and					
	<ul> <li>Filling at Zone E and drivin</li> </ul>	g marine sheet pile wall at Zone F of Po	ortion N-A.				
	No dredging activities were carr	ied out throughout the day.					

Possible Reason for	The exceedances are unlikely to be due to the Project, in view of the following:						
Action or Limit Level	Elevated turbidity and suspended solids levels were observed in all monitoring stations which						
Exceedance(s)	may be resulting from the adverse weather (Black Rainstorm Warning and Thunderstorm						
	Warning) on both 30 and 31 March 2014, in which heavy rainfall and increased input from the						
	Pearl River brought in turbid water from nearby surface runoff.						
	Apart from IS12 and IS14, SS levels at all other monitoring stations were in compliance with						
	the Action and Limit Levels during both mid-flood and mid-ebb tides on the same day.						
	Depth-averaged Turbidity levels at all stations were in compliance with the Action and Limit						
	Levels during both tides on the same day. Likewise, dissolved oxygen (DO) at all levels were						
	relatively high and were in compliance with the Action and Limit Levels in both mid-ebb and						
	mid-flood tides.						
	Whilst Suspended Solids exceedances were observed at IS12 and IS14 on 31 March 2014, the						
	levels of SS at the monitoring stations on 28 March 2014 and 2 April 2014 were below the						
	Action and Limit Levels. In addition, the level of SS at IS14 during mid-flood tide on 31						
	March 2014 was within the range of SS measured in the baseline survey (Mid-flood = 2.9 – 27.5						
	mg/L).						
	No malpractice was observed during the sampling process.						
Actions Taken/To Be	Reclamation filling was undertaken between the 200 m of leading seawalls using filling materials						
Taken	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. The level of reclamation filling						
	was within the filling rate described in the EP. No immediate action is considered necessary. The						
	ET will monitor for future trends in exceedances.						
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.						

Email message

Environmental Resources Management

To ENVIRON - Hong Kong, Limited (ENPO)

16/F DCH Commercial Centre,

25 Westlands Road Quarry Bay, Hong Kong Telephone: (852) 2271 3113

From ERM- Hong Kong, Limited

Telephone: (852) 2271 3113 Facsimile: (852) 2723 5660 E-mail: jovy.tam@erm.com

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

Section

Subject Notification of Exceedance for Air Quality

Impact Monitoring

Date 14 April 2014



Dear Sir or Madam,

Ref/Project number

Please find attached the Notification of Exceedance (NOE) of the following Log no.:

0212330\_3April2014\_1hrTSP\_Station ASR10

A total of one Action Level Exceedance was recorded on 3 April 2014.

Regards,

Mr Jovy Tam

Environmental Team Leader

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## **ERM-Hong Kong, Limited**



# CONTRACT NO. HY/2012/08 TUEN MUN - CHEK LAP KOK LINK NORTHERN CONNECTION SUB-SEA TUNNEL SECTION

## Air Quality Impact Monitoring Notification of Exceedance

Log No.	0212330_3April2014_1hrTSP_Station ASR10					
		[Total No. of Exceedances = 1]				
Date		3 April 2014 (Measured)				
	14 April	2014 (Laboratory results received by ERM)				
Monitoring Station	ASR1, ASR5, ASR6, ASR10 and AQMS1					
Parameter(s) with Exceedance(s)	1-hr TSP					
Action Levels	1-hr TSP (μg/m³)	ASR10 = 337				
	24-hr TSP (μg/m³)	ASR10 = 214				
Limit Levels	1-hr TSP (μg/m³)	500				
	24-hr TSP (μg/m³)	260				
Measured Levels	Action Level Exceedance for 1-h	r TSP is observed at ASR10 (381 μg/m³) during 1542 - 1642 hrs.				
Works Undertaken (at		g works were carried out by one dredger Crown Asia 1 at Portion				
the time of monitoring	N-C; seawall constructions at Po	rtion N-B; filling at Area E and sheet piling at Portion N-A. At the				
event)	time of monitoring during 1542 t	to 1642 hrs, land-based works were undertaken at Portion N6 for the				
	CLP station structure works.					
Possible Reason for	The exceedance(s) are unlikely to	be due to the Project, in view of the following:				
Action or Limit Level	Monitoring station ASR10 in	is located distant (>1km) from the major construction works area,				
Exceedance(s)	and the construction works	s is thus considered not directly associated with the observed				
	Action Level of Exceedance	e.				
	According to the construction	ion information provided by the Contractor, the majority of				
	construction works on 3 A <sub>I</sub>	pril 2014 were marine-based with the dredging works being				
	undertaken by one dredge	r (Crown Asia 1) at Portion N-C; filling works at Portion N-A,				
	whilst only minor land-bas	sed construction works, the structure works of CLP power station at				
	Portion N6. All land-base on dust generation.	ed constructions at Portion N6 were considered to have minor effect				
	_	on Level were observed at ASR10, the average 1-hr TSP level at the				
		= $260 \mu g/m^3$ ) on 3 April 2014 were in compliance with the Action				
		ar TSP at ASR10 returned to level below the Action/Limit Levels on				
	the same day.	·				
	Same level and extent of construction works were carried out at the same works area on 28 <sup>th</sup>					
	March while no exceedance	e was recorded.				
	With reference to the record	ded wind direction (ranged between 116° and 145°, blowing from a				
	South-Easterly direction) d	uring the period of the observed 1-hr TSP exceedance, Station				
	ASR10 is located upstream	to the marine-based construction activities at Portion N-A, N-B and				
	N-C, and is located upstrea	nm from the land-based construction area (i.e. Site WA-18 and				
	_	ved exceedance should not be affected by the dust, if any, generated				
	by the construction activities	es under this Contract.				
	As stated in the EIA report	(Section 4.2.3), the background TSP level of Tuen Mun is higher				
	_	ong Kong, thus the exceedance may be also contributed				
	cumulatively by the other of	construction works / traffic within the Tuen Mun Area rather than				
	causing by the construction	n works of the Project.				

Actions Taken / To Be Taken	The Contractor was reminded to ensure all dust mitigating measures are provided at Portion N6.  The ET will monitor for future trends in exceedances.
Remarks	The monitoring results and the locations of air quality monitoring stations are attached.

## Appendix M

## Waste Flow Table



Name of Department: <u>HyD</u> Contract No. / Works Order No.: <u>HY/2012</u>	Name of Department:
---	---------------------

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

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

	Actual Quantities of <u>Inert</u> Construction Waste Generated Monthly									
Month	(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)					
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										
Jun										
Sub-total										
Jul										
Aug										
Sep										
Oct										
Nov										
Dec										
Total	12.857	0.000	0.000	0.000	12.857					

Nov Dec

Total

947.855

92.941

	Actual Quantities of <u>Inert</u> Construction Waste Generated Monthly								
Month	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)	Imported Fill to Barging Point	Marine Disposal (Cat. L)	Marine Disposal (Cat. M <sub>P</sub> &M <sub>F</sub> )		
	(in '000 ton)	(in '000 ton)	(in '000 ton)	(in '000 ton)	(in '000 ton)	(in '000 m <sup>3</sup> )	(in '000 m <sup>3</sup> )		
Jan	177.300	4.050	8.544	0.000	124.412	34.000	12.500		
Feb	143.891	27.825	5.371	0.000	81.296	18.500	24.500		
Mar	257.304	53.388	27.958	113.789	63.961	37.300	40.450		
Apr	198.245	10.186	41.702	191.094	26.640	28.600	15.400		
May									
Jun									
Sub-total									
Jul									
Aug									
Sep									
Oct									

103.035

304.883

341.781

180.000

111.050

	Actual Quantities of Non-inert Construction Waste Generated Monthly								
Month	Metals Month		Paper/ cardboard packaging		Plastics (see Note 3)		Chemical Waste		Others, e.g. General Refuse disposed at Landfill
	(in '0	00kg)	(in 'C	000kg)	(in '(	000kg)	(in '0	00kg)	(in '000ton)
	generated	recycled	generated	recycled	generated	recycled	generated	recycled	generated
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									
Jun									
Sub-total									
Jul									
Aug									
Sep									
Oct									
Nov									
Dec									
Total	0.000	0.000	0.670	0.670	0.000	0.000	0.020	0.020	0.307



	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 <sup>3</sup> )	(in '000 m <sup>3</sup> )		
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 <sup>3</sup> )				
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<sup>3</sup>. (ER Part 8 Clause 8.8.5 (d) (ii) refers).