

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

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

12 January 2015

Environmental Resources Management

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



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Page 1 of 1

Ref.: HYDHZMBEEM00 0 2616L.14

13 January 2015

By Fax (2293 6300) and By Post

AECOM

Supervising Officer Representative's Office No. 8 Mong Fat Street, Tuen Mun, New Territories, Hong Kong

Attention: Messrs Edwin Ching / Andy Westmoreland

Dear Sirs,

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

Contract No. HY/2012/08 TM-CLKL Northern Connection Sub-sea Tunnel Section Monthly EM&A Report for December 2014 (EP-354/2009/C)

Reference is made to the Monthly Environmental Monitoring & Audit (EM&A) Report (for December 2014) certified by the ET Leader (ET's ref.: "0212330_14th Monthly EM&A 20150112.doc" dated 12 January 2015) provided to us via email on 12 January 2015.

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/C.

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,

Faibleau

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

c.c. HyD – Mr. Stephen Chan (By Fax: 3188 6614) HyD – Mr. Matthew Fung (By Fax: 3188 6614) AECOM – Mr. Conrad Ng (By Fax: 3922 9797) ERM – Mr. Jovy Tam (By Fax: 2723 5660) Dragages – Bouygues JV – Mr. C. F. Kwong (By Fax: 2293 7499)

Internal: DY, YH, ENPO Site

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

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Environmental Resources Management

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	EXECUTIVE SUMMARY	Ι
1	INTRODUCTION	1
1.1	BACKGROUND	1
1.2	SCOPE OF REPORT	2
1.3	ORGANIZATION STRUCTURE	2
1.4	SUMMARY OF CONSTRUCTION WORKS	2
2	EM&A RESULTS	4
2.1	AIR QUALITY	4
2.2	WATER QUALITY MONITORING	6
2.3	DOLPHIN MONITORING	7
2.4	POST-TRANSLOCATION CORAL MONITORING	11
2.5	EM&A SITE INSPECTION	12
2.6	WASTE MANAGEMENT STATUS	12
2.7	ENVIRONMENTAL LICENSES AND PERMITS	13
2.8	IMPLEMENTATION STATUS OF ENVIRONMENTAL MITIGATION MEASURES	15
2.9	SUMMARY OF EXCEEDANCES OF THE ENVIRONMENTAL QUALITY PERFORMAN	NCE
	LIMIT	15
2.10	SUMMARY OF COMPLAINTS, NOTIFICATION OF SUMMONS AND SUCCESSFUL	
	PROSECUTIONS	15
3	FUTURE KEY ISSUES	16
3.1	CONSTRUCTION ACTIVITIES FOR THE COMING MONTH	16
3.2	Key Issues for the Coming Month	16
3.3	MONITORING SCHEDULE FOR THE COMING MONTH	16
4	CONCLUSIONS AND RECOMMENDATIONS	17
4.1	Conclusions	17

APPENDIX A	PROJECT ORGANIZATION
Appendix B	CONSTRUCTION PROGRAMME
Appendix C	ENVIRONMENTAL MITIGATION AND Enhancement Measure Implementation Schedules (EMIS)
APPENDIX D	ACTION AND LIMIT LEVELS
APPENDIX E	CALIBRATION CERTIFICATE
APPENDIX F	MONITORING SCHEDULE
Appendix G	AIR QUALITY MONITORING RESULTS
APPENDIX H	METEOROLOGICAL DATA
Appendix I	WATER QUALITY MONITORING RESULTS
Appendix J	IMPACT DOLPHIN MONITORING
APPENDIX K	EVENT AND ACTION PLAN
Appendix L	CUMULATIVE STATISTICS ON EXCEEDANCE AND COMPLAINT
APPENDIX M	WASTE FLOW TABLE

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 Permits (VEP), *EP-354/2009/B* and *EP-354/2009/C*, were granted on 28 January 2014 and 10 December 2014, respectively.

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 Fourteenth Monthly EM&A report presenting the EM&A works carried out during the period from 1 to 31 December 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

• Reclamation filling at Portion N-C.

Land-based Works

- Land Bored Piling Works at Works Area Portion N-A;
- Surcharge set up at Works Area Portion N-C;
- Formwork and Metal Scaffolding works at North Launching Shaft at Works Area Portion N-A and,
- Set up of Slurry Treatment Plant at Works Area Portion N-C.

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

24-hour TSP Monitoring	10 sessions
1-hour TSP Monitoring	10 sessions
Impact Water Quality Monitoring	13 sessions
Impact Dolphin Monitoring	2 sessions
Joint Environmental Site Inspection	5 sessions

Implementation of Marine Mammal Exclusion Zone

There was no dredging, reclamation or marine sheet piling works in open waters during this reporting period. Thus, Passive Acoustic Monitoring (PAM) and the day-time monitoring of Dolphin Exclusion Zone (DEZ) by dolphin observers were not in effect during the reporting period.

Summary of Breaches of Action/Limit Levels

Breaches of Action and Limit Levels for Air Quality

Two Action Level exceedances for 1-hr TSP were 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 exceedances were considered to be due to the sporadic events from cumulative anthropogenic activities in this area of Hong Kong upon further investigation.

Breaches of Action and Limit Levels for Water Quality

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

Environmental Complaints, Non-compliance & Summons

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

No environmental complaint was received in this reporting period.

No environmental summons was received in this reporting period.

Reporting Change

There was no reporting change required in the reporting period.

Upcoming Works for the Next Reporting Month

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

Land-based Works

- Land Bored Piling Works at Works Area Portion N-A;
- Surcharge set up at Works Area Portion N-C;
- Formwork and Metal Scaffolding at North Launching Shaft at Works Area – Portion N-A and,
- Set up of Slurry Treatment Plant at Works Area Portion N-C.

Marine-based Works

• Rock bund deposition for marine sheet pile remedial works at Marine Works Area – Portion N-A.

Future Key Issues

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

1.1 BACKGROUND

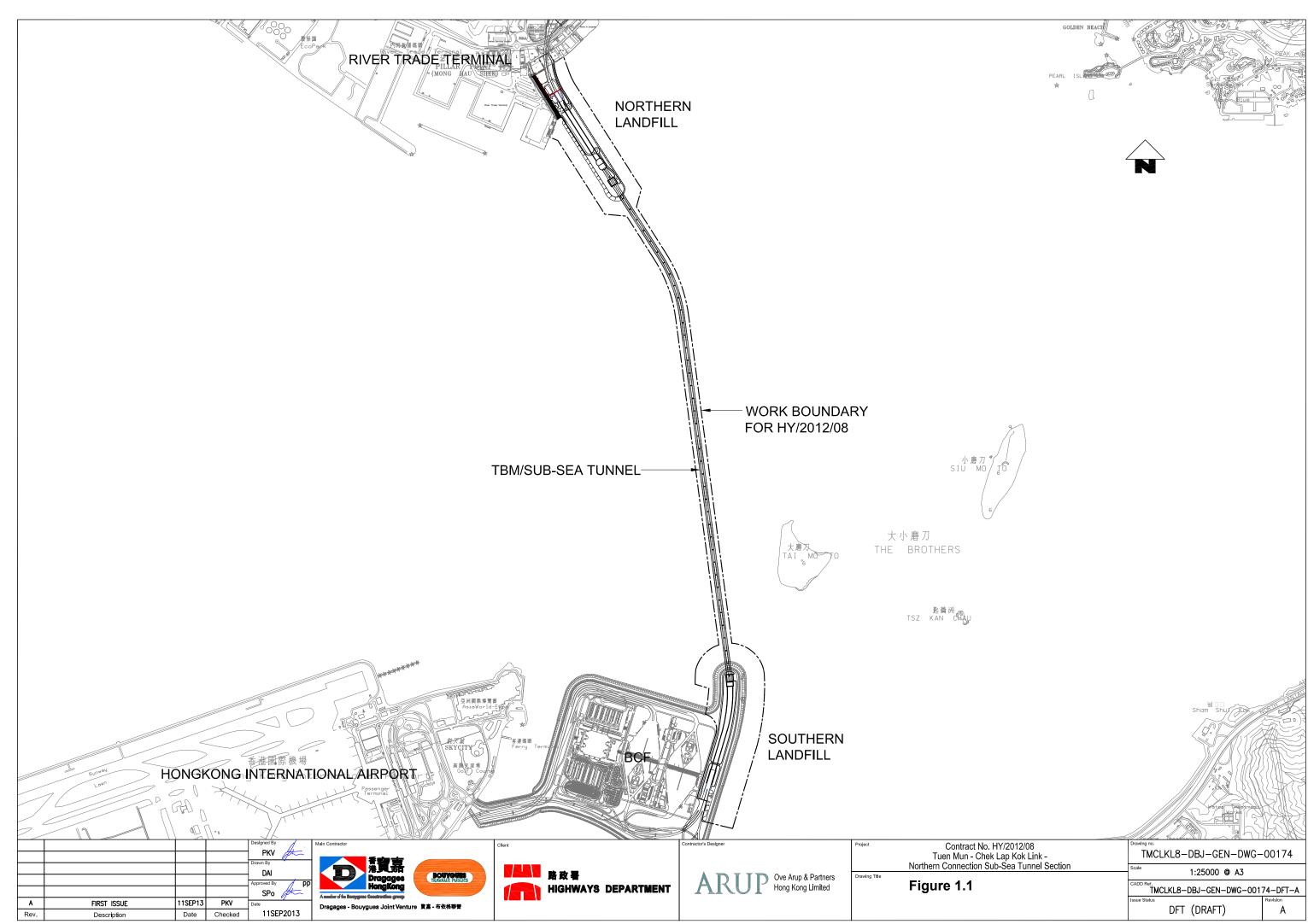
According to the findings of the Northwest New Territories (NWNT) Traffic and Infrastructure Review conducted by the Transport Department, Tuen Mun Road, Ting Kau Bridge, Lantau Link and North Lantau Highway would be operating beyond capacity after 2016. This forecast has been based on the estimated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

An Environmental Impact Assessment (EIA) of TM-CLKL (the Project) was prepared in accordance with the EIA Study Brief (No. ESB-175/2007) and the *Technical Memorandum of the Environmental Impact Assessment Process (EIAO-TM*). The EIA Report was submitted under the Environmental Impact Assessment Ordinance (EIAO) in August 2009. Subsequent to the approval of the EIA Report (EIAO Register Number AEIAR-146/2009), an Environmental Permit (EP-354/2009) for TM-CLKL was granted by the Director of Environmental Protection (DEP) on 4 November 2009, and EP variation (VEP) (EP-354/2009A) was issued on 8 December 2010. Subsequent applications for variation of environmental permits (VEPs), *EP-354/2009/B and EP-354/2009/C*, were granted on 28 January 2014 and 10 December 2014, respectively.

Under *Contract No. HY/2012/08*, Dragages – Bouygues Joint Venture (DBJV) is commissioned by the Highways Department (HyD) to undertake the design and construction of the Northern Connection Sub-sea Tunnel Section of TM-CLKL while AECOM Asia Company Limited was appointed by HyD as the Supervising Officer. For implementation of the environmental monitoring and audit (EM&A) programme under the Contract, ERM-Hong Kong, Limited (ERM) has been appointed as the Environmental Team (ET). ENVIRON Hong Kong Ltd. was employed by HyD as the Independent Environmental Checker (IEC) and Environmental Project Office (ENPO).

Layout of the Contract components is presented in Figure 1.1.

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



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1.2 SCOPE OF REPORT

This is the Fourteenth 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 December 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 1.1Contact 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	2293 6388	2293 6300
Limited)	0	Andrew Westmoreland	2293 6360	2293 6300
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 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*.

Construction Activities Undertaken

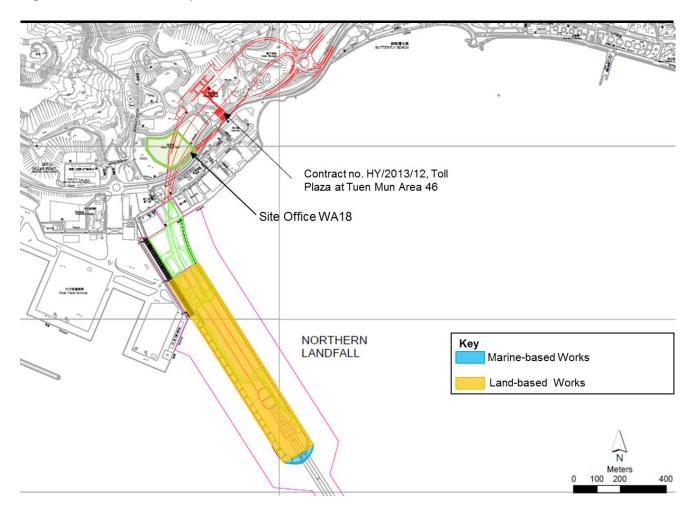
Marine-based Works

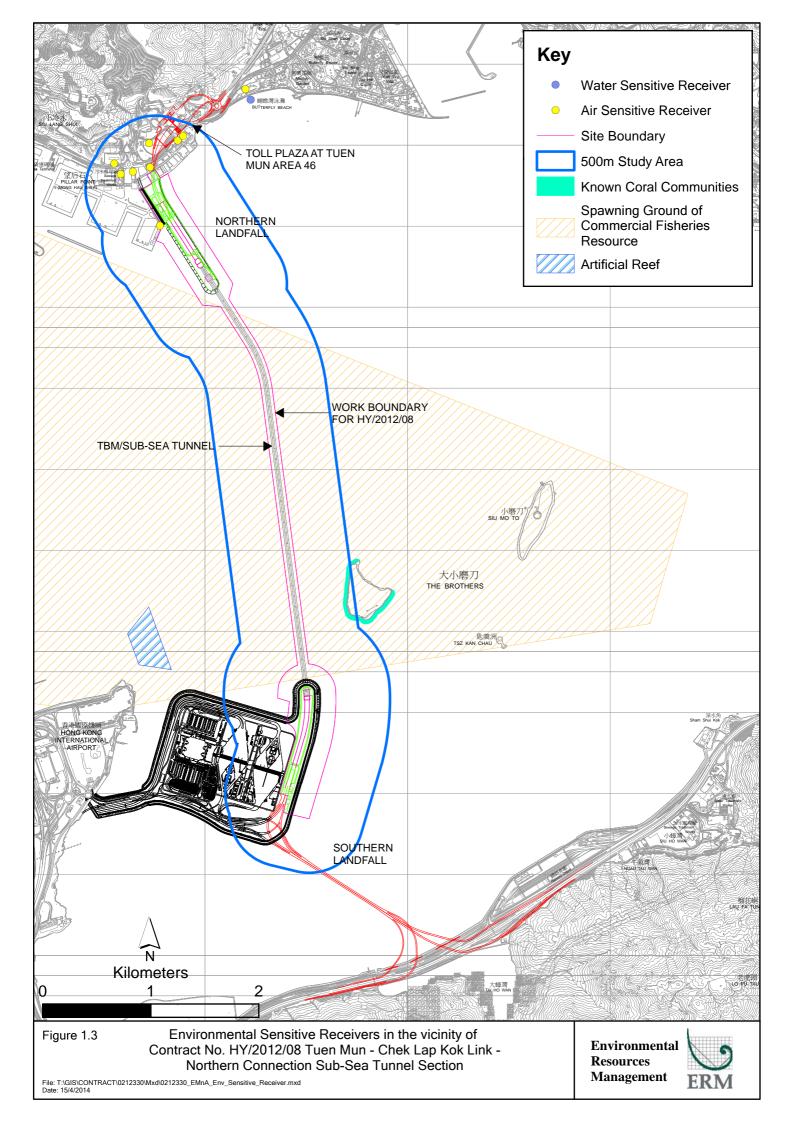
• Reclamation filling at Portion N-C; and

Land-based Works

- Land Bored Piling Works at Reclamation Works Area Portion N-A;
- Surcharge set up at Works Area Portion N-C;
- Formwork and Metal Scaffolding works at North Launching Shaft at Works Area Portion N-A; and
- Set up of Slurry Treatment Plant at Works Area Portion N-C.

Figure 1.2 Locations of Construction Activities –December 2014





2

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. 1-hr and 24hr TSP monitoring frequency was increased to three times per day every three days and daily every three days, respectively, as excavation works for launching shaft commenced on 24 October 2014.

High volume samplers (HVSs) were used to carry out the 1-hour and 24-hour TSP monitoring on 2, 5, 8, 11, 14, 17, 20, 23, 26 and 29 December 2014 at the five (5) air quality monitoring stations in accordance with the requirements stipulated in the Updated EM&A Manual (*Figure 2.1; Table 2.1*). Wind meter was installed at the rooftop of ASR5 for logging wind speed and wind direction. Details of the equipment deployed are provided in *Table 2.2*. Copies of the calibration certificates for the equipment are presented in *Appendix E*.

Monitoring Station	Monitoring Dates	Location	Description	Parameters & Frequency
ASR1	2, 5, 8, 11, 14, 17, 20,	Tuen Mun	Office	TSP monitoring
	23, 26 and 29	Fireboat Station		1-hour Total Suspended
	December 2014			Particulates (1-hour TSP,
ASR5		Pillar Point Fire	Office	μ g/m ³), 3 times in every 6 day
		Station		• 24-hour Total Suspended
				Particulates (24-hour TSP,
AQMS1		Previous River	Bare ground	μ g/m ³), daily for 24-hour in
		Trade Golf		every 6 days
				Enhanced TSP monitoring
ASR6		Butterfly Beach	Office	(commenced on 24 October 2014)
		Laundry		• 1-hour Total Suspended
		-		Particulates (1-hour TSP,

Butterfly Beach

Park

Recreational

uses

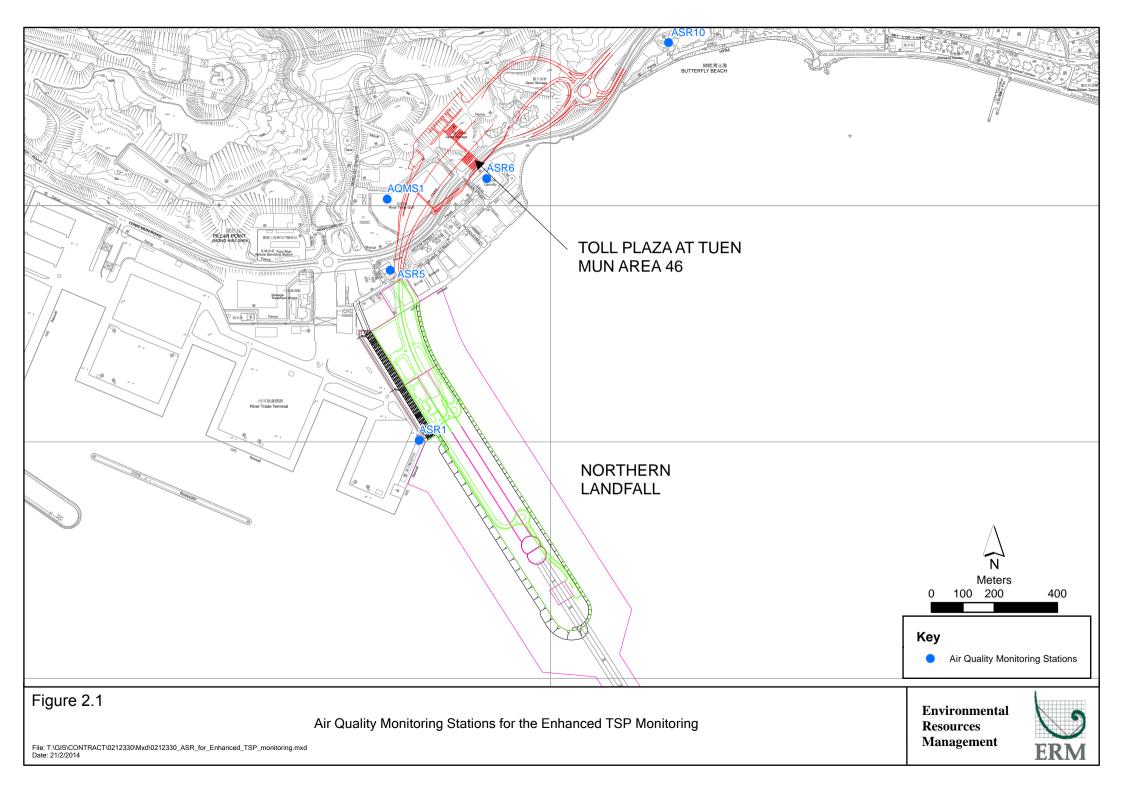
Table 2.1Locations of Impact Air Quality Monitoring Stations and Monitoring Dates
in this Reporting Period

ASR10

 $\mu g/m^3$), 3 times in every 3 days

24-hour Total Suspended Particulates (24-hour TSP, μ g/m³), daily for 24-hour in

every 3 days



Equipment	Brand and Model
High Volume Sampler (1-hour TSP and 24-hour TSP)	Tisch Environmental Mass Flow Controlled Total Suspended Particulate (TSP) High Volume Sampler (Model No. TE-5170)
Wind Meter	Davis (Model: Weather Wizard III (S/N: WE90911A30)
Wind Anemometer for calibration	Lutron (Model No. AM-4201)

2.1.2 Action & Limit Levels

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

2.1.3 Monitoring Schedule for the Reporting Month

The schedule for air quality monitoring in December 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 2.3Summary of 1-hour TSP Monitoring Results in this Reporting Period

Station	Average (µg/m³)	Range (µg/m³)	Action Level (μg/m³)	Limit Level (µg/m³)
ASR1	216	73 - 329	331	500
ASR5	207	95 - 346	340	500
AQMS1	152	84 - 348	335	500
ASR6	132	66 - 309	338	500
ASR10	108	58 - 245	337	500

Table 2.4Summary 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	118	82 - 147	213	260
ASR5	116	93 - 151	238	260
AQMS1	103	71 - 155	213	260
ASR6	97	76 - 125	238	260
ASR10	78	59 - 106	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 ten monitoring events were undertaken in which two Action Level exceedances of 1-hr TSP were 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 2.5Locations of Water Quality Monitoring Stations and the Corresponding
Monitoring Requirements

Station ID	ation ID Type Coordinates		*Parameters, unit	Depth	Frequency	
		Easting	Northing	-		
IS12	Impact Station	813218	823681	• Temperature(°C)	3 water depths: 1m	Impact
IS13	Impact Station	813667	824325	 pH(pH unit) 	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	 Salinity (ppt) 	the water depth is	and mid-ebb
	Field Station			• DO (mg/L and	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)					
*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*.

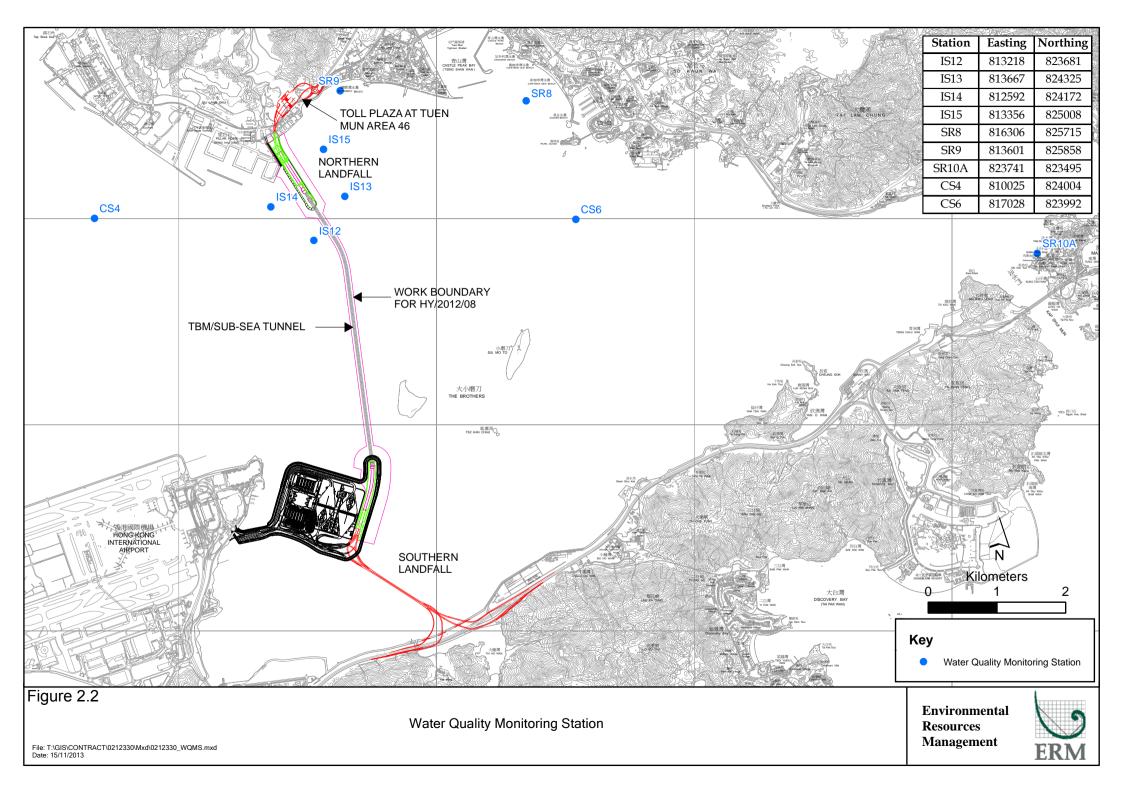


Table 2.6Water Quality Monitoring Equipment

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

2.2.2 Action & Limit Levels

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

2.2.3 Monitoring Schedule for the Reporting Month

The schedule for water quality monitoring in December 2014 is provided in *Appendix F.* The water quality monitoring on 26 December 2014 was postponed to 29 December 2014 since no marine works was conducted between 25 and 26 December 2014.

2.2.4 Results and Observations

During this reporting period, major marine works included reclamation filling at Portion N-C. Reclamation filling was undertaken inside the fully enclosed seawall (+2.5mPD) using filling materials specified in the EP. It is useful to note that heavy marine traffic (not associated with the Project) was commonly observed nearby the Project site and its vicinity. On 8 December 2014, all reclamation filling has been completed in Phase-I.

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 Level or Limit Levels of exceedances for impact water quality monitoring was recorded.

2.3 DOLPHIN MONITORING

2.3.1 Monitoring Requirements

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

2.3.2 Monitoring Equipment

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

Table 2.7Dolphin Monitoring Equipment

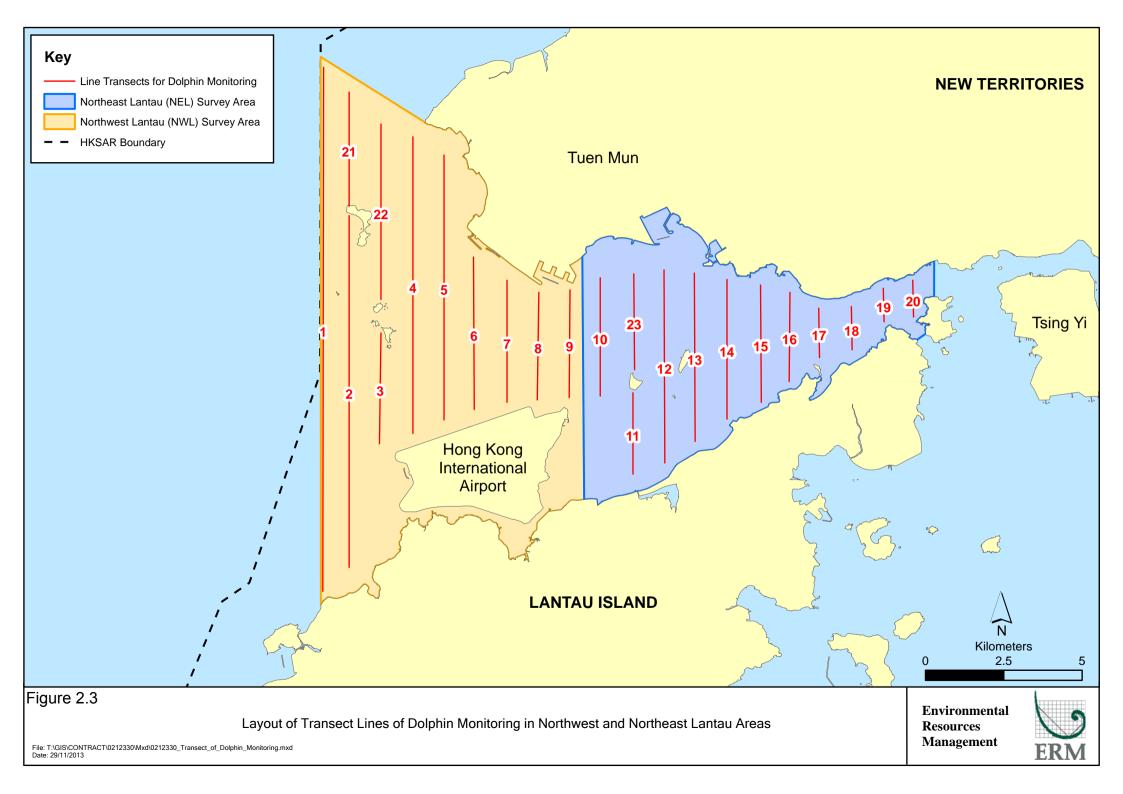
Equipment	Model
Global Positioning System (GPS)	Garmin 18X-PC
	Geo One Phottix
Camera	Nikon D90 300m 2.8D fixed focus
	Nikon D90 20-300m zoom lens
Laser Binocular	Infinitor LRF 1000
Marine Binocular	Bushell 7 x 50 marine binocular with compass and reticules
Vessel for Monitoring	65 foot single engine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



	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				

Table 2.8Impact Dolphin Monitoring Line Transect Co-ordinates

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 2, 9, 15 and 23 December 2014. The dolphin monitoring schedule for the reporting month is shown in *Appendix F*.

2.3.7 Results & Observations

A total of 299.10 km of survey effort was collected, with 100% of the total survey effort being conducted under favourable weather conditions (ie Beaufort Sea State 3 or below with good visibility) in December 2014. Amongst the two areas, 115.70 km and 183.40 km of survey effort were collected from NEL and NWL survey areas, respectively. The total survey effort conducted on primary and secondary lines were 217.18 km and 81.92 km, respectively. The survey efforts are summarized in *Appendix J*.

A total of 3 groups of 5 Chinese White Dolphin sightings were recorded during the two sets of surveys in December 2014. All sighting were made in NWL during the two sets of surveys in December 2014, while no dolphin was sighted in NEL. All three sightings were made on primary lines during oneffort search, and none of the dolphin groups was associated with operating fishing vessel.

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

Encounter rates of Chinese White Dolphins are deduced from the survey effort and on-effort sighting data made under favourable conditions (Beaufort 3 or below with good visibility) in December 2014 with the results present in *Tables 2.9* and *2.10*.

Table 2.9Individual Survey Event Encounter Rates

		Encounter rate (STG)	Encounter rate (ANI)
		(no. of on-effort dolphin	(no. of dolphins from all
		sightings per 100 km of	on-effort sightings per 100
		survey effort)	km of survey effort)
		Primary Lines Only	Primary Lines Only
NEL	Set 1: December 2 nd /9 th	0.0	0.0
INEL	Set 2: December 15 th /23 rd	0.0	0.0
NWL	Set 1: December 2 nd /9 th	2.8	5.6
INVVL	Set 2: December 15 th /23 rd	1.4	1.4

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

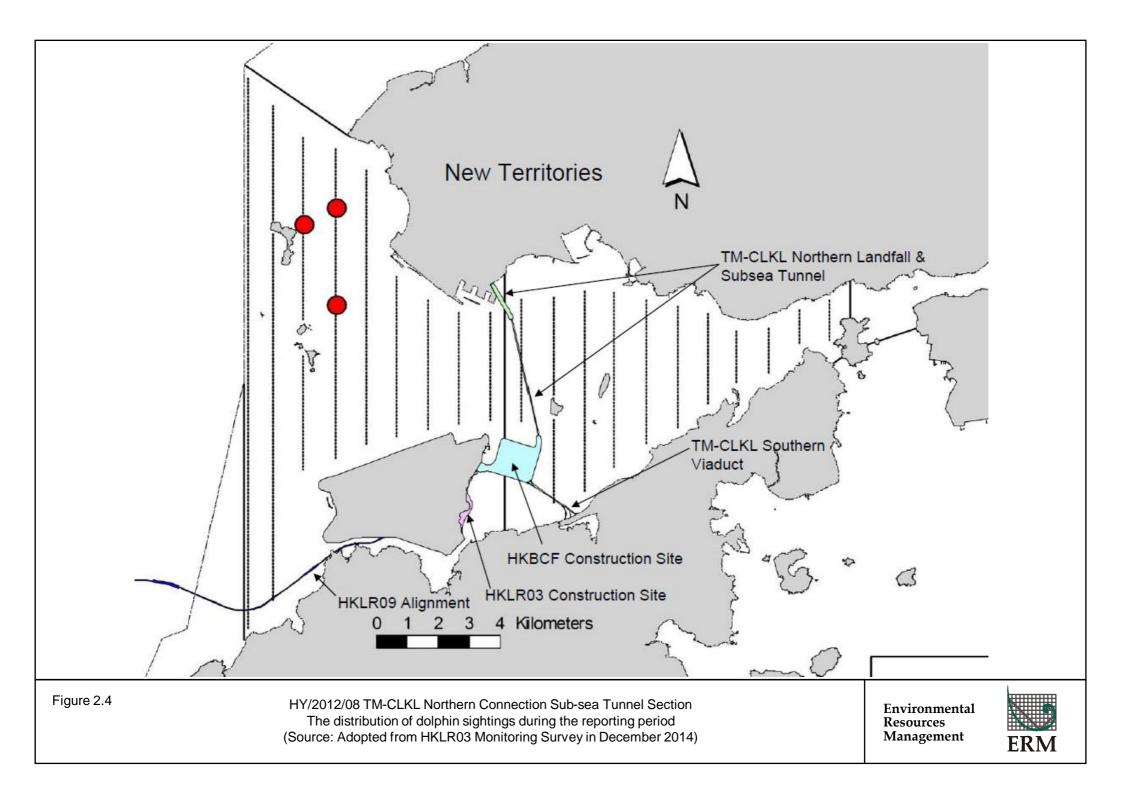


Table 2.10Monthly Average Encounter Rates

	(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	2.1	1.6	3.5	2.7		

Note: Overall dolphin encounter rates (sightings per 100 km of survey effort) from all four surveys are conducted in December 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 December 2014 was 1.67 individuals per group. All three dolphin groups were composed of 1-3 animals.

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 Implementation of Marine Mammal Exclusion Zone

There was no dredging, reclamation or marine sheet piling works in open waters during this reporting period. Thus, Passive Acoustic Monitoring (PAM) and the day-time monitoring of Dolphin Exclusion Zone (DEZ) by dolphin observers were not in effect during the reporting period.

2.4 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 3, 10, 17, 24 and 31 December 2014.

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

Inspection Date	Observations	Recommendations/ Remarks
3 December 2014	 Reclamation Works Area - Portion N-B Accumulated general refuse was observed. Reclamation Works Area - Portion N-C Drip tray should be cleaned more frequently. 	 Reclamation Works Area - Portion N-B The Contractor was reminded to clear the accumulated general refuse. Reclamation Works Area - Portion N-C The Contractor was reminded to clear oily water in the drip tray.
10 December 2014	Works Area - Portion N6Drip tray should be cleaned more frequently.	Works Area - Portion N6The Contractor was reminded to clear the oily water in the drip tray.
17 December 2014	Reclamation Works Area - Portion N-CStockpile of fill material was observed near the seawall.	 Reclamation Works Area - Portion N-C The Contractor was reminded to remove the fill material close to the seawall.
24 December 2014	Reclamation Works Area - Portion N-AChemical container was observed without drip tray.	Reclamation Works Area - Portion N-AThe Contractor was reminded to remove the chemical container.
31 December 2014	 Reclamation Works Area - Portion N-A Excess muddy water was observed. Reclamation Works Area - Portion N-B Accumulated general refuse was observed. 	 Reclamation Works Area - Portion N-A The Contractor was reminded to clear the excess muddy water. Reclamation Works Area - Portion N-B The Contractor was reminded to clear the accumulated general refuse.

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

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

2.5 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) and imported fill. 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 2.12Quantities of Different Waste Generated in the Reporting Month

Month/Year	Inert Construction	Imported Fill (tonnes)	Inert Construction	Non-inert Construction		Chemical Wastes	Marine Se	ediment (m ³)
	Waste ^(a) (tonnes)		Waste Re- used (tonnes)	Waste ^(b) (tonnes)	(kg)	(kg)	Category L	Category M (M _p & M _f)
December 2014	10,151	108,279	0	49	0	0	0	0

Notes:

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

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

(c) Recyclable materials include metals, paper, cardboard, plastics, timber 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.

2.6 Environmental Licenses and Permits

The status of environmental licensing and permit is summarized in *Table 2.13* below.

License/ Permit	License or Permit No.	Date of Issue	Date of Expiry	License/ Permit Holder	Remarks
Environmental Permit	EP-354/2009/C	28 January 2014	Throughout the Contract	HyD	Application for VEP on 10 December 2014 to replace EP-354/2009/B
Construction Dust Notification	363510	19 August 2013	Throughout the Contract	DBJV	-
Chemical Waste Registration	5213-422-D2516-01	10 September 2013	Throughout the Contract	DBJV	-
Construction Waste Disposal Account	7018108	19 August 2013	Throughout the Contract	DBJV	Waste disposal in Contract No. HY/2012/08
Waste Water Discharge License	WT00017707-2013	18 November 2013	30 November 2018	DBJV	For site WA18
Waste Water Discharge License	WT00018433-2014	5 June 2014	30 June 2019	DBJV	For site Portion N6 and Reclamation Area E
Construction Noise Permit	GW-RS0362-14	11 May 2014	10 May 2015	DBJV	For site WA23
Construction Noise Permit	GW-RW0706-14	29 September 2014	28 March 2015	DBJV	For Portion N6
Construction Noise Permit	GW-RW0550-14	25 July 2014	24 January 2015	DBJV	For Dredging and Reclamation Works
Construction Noise Permit	GW-RW0970-14	17 December 2014	14 May 2015	DBJV	For Dredging and Reclamation Works
Construction Noise Permit	GW-RW0674-14	18 September 2014	17 March 2015	DBJV	For GI Works at Southern Landfall
Construction Noise Permit	GW-RW0785-14	15 October 2014	31 December 2014	DBJV	For TM Area 38 barging Point
Marine Dumping Permit	EP/MD/15-142	7 November 2014	31 January 2015	DBJV	For Type 1 (Open Sea Disposal)
Marine Dumping Permit	EP/MD/15-100	20 October 2014	19 November 2015	DBJV	For Type 1 (Dedicated site) and Type 2 (Confined Marine Disposal)

Table 2.13Summary of Environmental Licensing and Permit Status

HyD = Highways Department

DBJV = Dragages – Bouygues Joint Venture

VEP = Variation of Environmental Permit

2.7 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.

2.8 SUMMARY OF EXCEEDANCES OF THE ENVIRONMENTAL QUALITY PERFORMANCE LIMIT

Two Action level exceedances of 1-hr TSP was recorded on 2 December 2014 and 17 December 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 River Trade Terminal) in this area of Hong Kong. The investigation findings are detailed in *Appendix L*.

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

Cumulative statistics are provided in *Appendix L*.

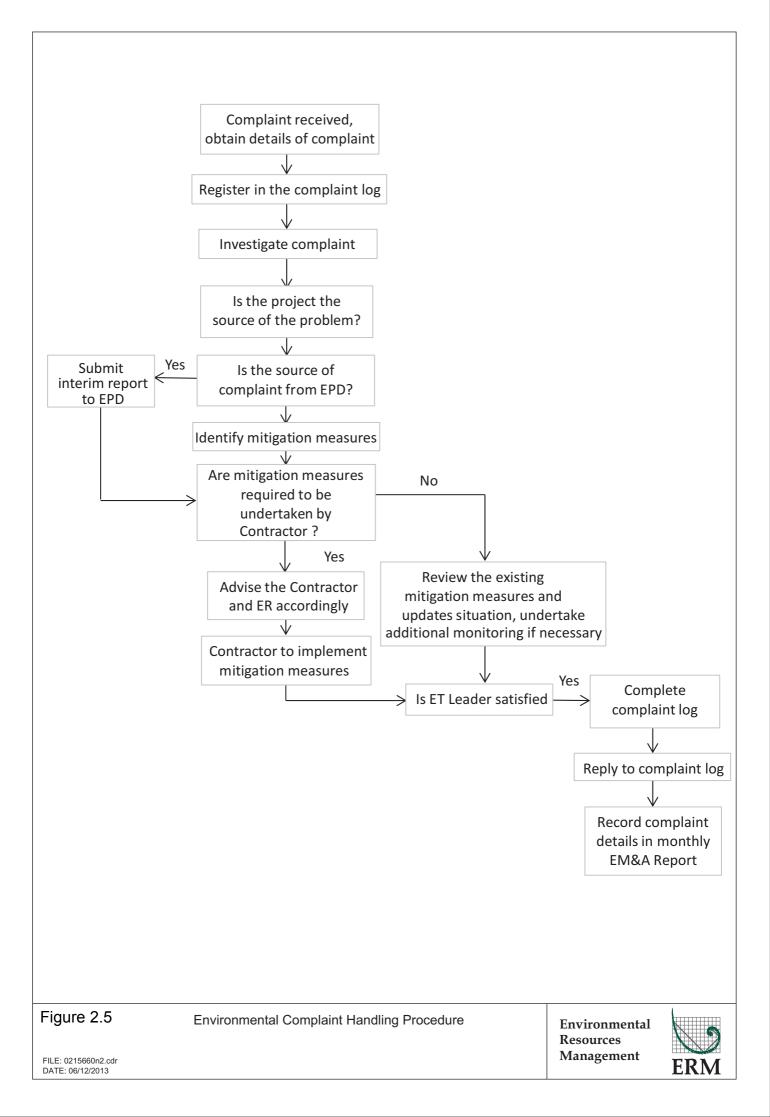
2.9 SUMMARY OF COMPLAINTS, NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTIONS

The Environmental Complaint Handling Procedure is provided in Figure 2.5.

No environmental complaint was received in the reporting period.

No 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*.



3.1 CONSTRUCTION ACTIVITIES FOR THE COMING MONTH

As informed by the Contractor, the major works for the Project in January 2015 are summarized in *Table 3.1*.

Table 3.1Construction Works to Be Undertaken in the Coming Month

Land	d-based Works
•	Land Bored Piling Works at Reclamation Works Area - Portion N-A;
•	Surcharge set up at Works Area - Portion N-C;
•	Formwork and Metal Scaffolding works at North Launching Shaft at Works Area - Portion
	N-A and,
•	Set up of Slurry Treatment Plant at Works Area - Portion N-C.
Ma	rine-based Works
٠	Rock bund deposition for marine sheet pile remedial works at Marine Works Area -
	Portion N-A.

3.2 KEY ISSUES FOR THE COMING MONTH

Potential environmental impacts arising from the above upcoming construction activities in the next reporting month of January 2015 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 January 2015 is provided in *Appendix F*.

4.1 CONCLUSIONS

4

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

Air quality (including 1-hour TSP and 24-hour TSP), water quality and dolphin monitoring were carried out in this reporting month. No Action Level or Limit Level exceedances were recorded in the water quality monitoring of this reporting month. Two (2) Action Level exceedances of 1hr TSP was record, whilst no Limit Level exceedances for 1-hr TSP were recorded in this reporting month. No Action or Limit Level exceedances for 24-hr TSP were record. Investigation findings suggested that the observed exceedances for air quality monitoring were considered to be sporadic event from the cumulative anthropogenic activities (eg traffic emissions from River Trade Terminal) in this area of Hong Kong. Nevertheless, the Contractor was reminded to ensure all dust mitigation measures are implemented at the construction site.

A total of three (3) groups of five (5) Chinese White Dolphin sightings were recorded during the two sets of surveys in December 2014. All sighting were made in NWL during the two sets of surveys in December 2014, while no dolphin was sighted in NEL. All three 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 December 2014. Recommendations on remedial actions recommended for the deficiencies identified during the site audits were properly implemented by the Contractor.

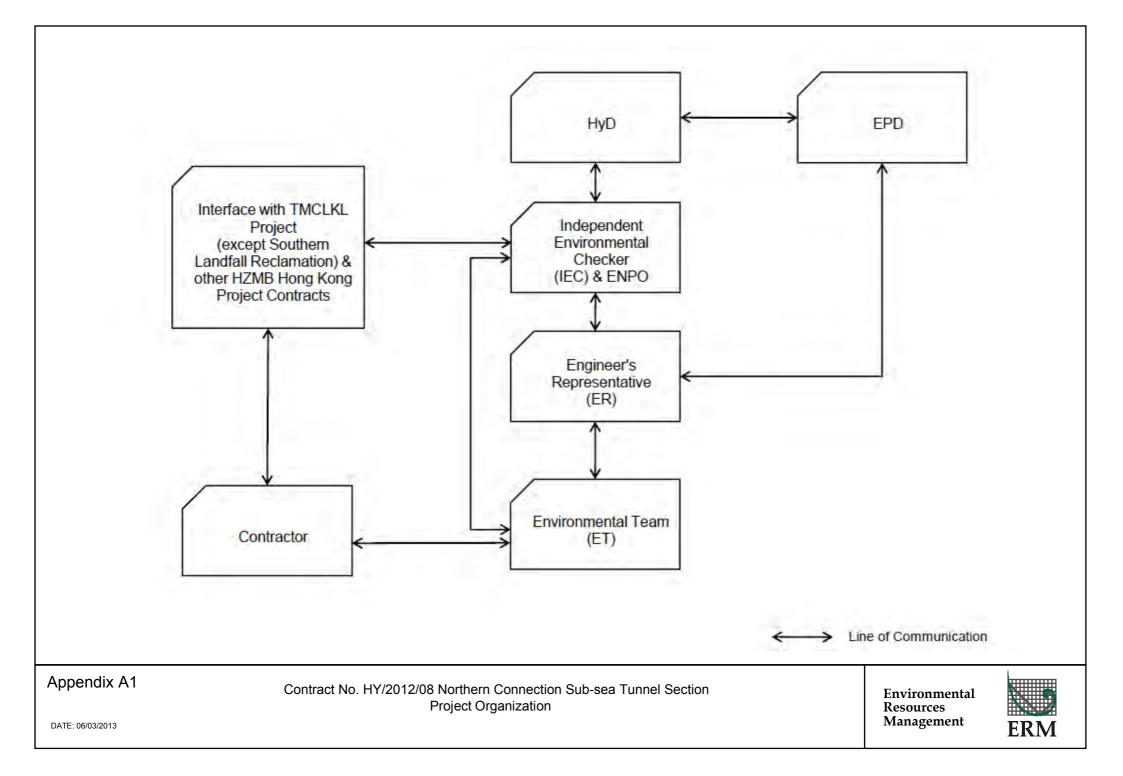
No non-compliance event was recorded during the reporting period.

No environmental complaint was received during the reporting period.

No summons/ prosecution was received during the reporting period.

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

Project Organization for Environmental Works



Appendix B

Construction Programme

vity ID	Activity Name	Orig	Planned	Planned	Current Start	Current	14W51	
		Dur	Start	Finish	Surrent Start	Finish	% Comp	
MCLK - No	rthern Connection Sub-Sea Tunnel Section							Sep Oct Nov Dec Jan Feb Mar Apr May J
Contract Da								
Handover [
HD010	Portions: WA18C	0		06-Jan-15	1	06-Jan-15*	0%	Portions: WA18C
General Sub	omissions							
Programm								
SCC0277	Detailed Works Programme - SCC27.2 - Approval by SO	30	11-Feb-14	12-Mar-14	29-Aug-14A	13-Nov-14A	100%	so
General De	sign Submissions							
	for Roadworks & Project Alignment							
 DD68310	IPs/ SO's Advance Comments/ ICE Comments	28	26-Jul-14	22-Aug-14	08-Sep-14A	13-Nov-14A	100%	IPs/ SO's Advance Comments/ ICE Comments
DD68320	Comments Received	0		22-Aug-14		13-Nov-14A	100%	Comments Received
DD68330	Designer to Reply RtC + Update Submission	21	23-Aug-14	17-Sep-14	14-Nov-14A	22-Dec-14A	100%	Designer to Reply RtC + Update Submission
DD68340	Submit Updated DDA to SO/ ICE/ IPs	0	18-Sep-14		22-Dec-14A		100%	Submit Updated DDA to SOLICE E/ IPs
DD68350	ICEApproval & Issue Check Cert	12	18-Sep-14	03-Oct-14	03-Sep-14A	02-Jan-15	83%	CEApproval & Issue Check Cert
DD68360	Submit ICE Check Cert to SO	6	04-Oct-14	10-Oct-14	03-Jan-15	09-Jan-15	0%	Submit ICE Check Cert to SO
DD68370	SO's Review	35	18-Sep-14	22-Oct-14	31-Dec-14	03-Feb-15	0%	SO's Review
DD68380	SO Approval with Condition R eceived	0		22-Oct-14		03-Feb-15	0%	SO Approval water Condition R eceived
	r Tunnel GBP						570	
(G6) IFA TOI 	SO's Review	35	29-Apr-14	02-Jun-14	09-Aug-14A	30-Dec-14	94%	
DD70760	SO Approval with Condition R eceived	0	14	02-Jun-14	JUSTAUS-14M	30-Dec-14	0%	R eceived
		0		05-5011-14		30-Dec-14	078	i necelvea
	on Supervision Plan	20	20 Mar 14	05 Apr 14	20 Mar 14 A	20 Dec 14	029/	
GEO1115	2nd GEO Review	28	29-Mar-14	25-Apr-14	29-Mar-14A	30-Dec-14	93%	
	ned Cat I/II supervising monthly report							
GEO1425	1st Submission GEO Review	28	31-May-14	27-Jun-14	15-Oct-14A	21-Nov-14A	100%	EO Review
GEO1430	Received GEO Comment	0		27-Jun-14		21-Nov-14A	100%	mment
GEO1435	Prepare Response to Comment	12	28-Jun-14	12-Jul-14	21-Nov-14A	21-Nov-14A	100%	ponse to Cpmment
GEO1440	2nd Submission to GEO	0		12-Jul-14		21-Nov-14A	100%	on to GEO
GEO1445	2nd GEO Review	28	13-Jul-14	09-Aug-14	21-Nov-14A	21-Nov-14A	100%	GEO Review
Constructio	n							
Northern L	andfall							
North Recla	amation (Phase 1)							
 Design Su	bmission						_	
(B4) DDA	Construction Risk Assessment - Impact on North La	ndfall +	Sub-sea Tuni	nel			-	
DD68410	SO's Comments for 1st Submission	35	01-Jun-14	05-Jul-14	27-Sep-14A	30-Dec-14	94%	s for 1st Submission
DD68420	Prepare Re-submission	10	07-Jul-14	17-Jul-14	31-Dec-14	12-Jan-15	0%	submission
DD68430	2nd Submission	0		17-Jul-14		12-Jan-15	0%	sion
DD68490	SO's Condition Approval	35	18-Jul-14	21-Aug-14	13-Jan-15	16-Feb-15	0%	SO's Condition Approval
Method St	atement Submission							
Method S	Statement of Construction Methodology of Culvert	tension	1				-	
MS1800	Preparation Method Statement for Culvert Extension	25	24-Jun-14	23-Jul-14	29-Dec-14	27-Jan-15	0%	on Method Statement for Culvert Extension
MS1810	Submit Method Statement to SO	0		23-Jul-14		27-Jan-15	0%	ethod Statement to SO
MS1820	SO Reviews & Comments	28	24-Jul-14	20-Aug-14	28-Jan-15	24-Feb-15	0%	SO Reviews & Comments
MS1830	Re-submission	18	21-Aug-14	11-Sep-14	26-Feb-15	18-Mar-15	0%	Resubmission
Construct	ion							
Milestone								
	Completion of Zone D1 Reclamation up to +14.5mPD	0		18-Oct-14		31-Oct-14A	100%	♦ Qompletion of Zone P1 Reclamation up to +14.5mPD
NRC13180	Completion of Zone D2 Reclamation up tp +14.5mPD	0		11-Nov-14		19-Nov-14A	100%	♦ Completion ♥ Zone D2 Reclamation up tp +14.5mPD
NRC13210	Completion of Zone C2 Reclamation up to + 10mPD	0		17-Sep-14		06-Jan-15A	100%	Completion of Zone C2 Reclan ation up to + 10mPD;
NRC13210 NRC13240	Completion of Zone A1 Reclamation up to +10mPD	0		21-Oct-14		03-Feb-15	0%	
NRC13240 NRC13250		0				03-Feb-15	0%	 Completion of Zone 41 Reclamation up to + 10m PD Completion of Zone 42 Reclamation up to + 10m PD (TPC)
		U		10-Nov-14		12-F8D-15	U%	Completion of Zone A2 Reclamation up to +10mPD (TBC)
Zone E								
Vertical								
	VS - Mass Concrete Coping - Zone E - (CH0 to 50)	8	02-May-14	12-May-14	21-Jul-14A	14-Nov-14A	100%	e E - (CH0 to 50)
	VS - Mass Concrete Coping - Zone E - (CH50 to 100)	8	13-May-14	21-May-14	23-Jul-14A	03-Nov-14A	100%	tone E - (CH50 to 100)
	VS - Mass Concrete Coping - Zone E - (CH100 to 150)	8	22-May-14	30-May-14	09-Jul-14A	12-Nov-14A	100%	- Zone E - (CH100 to 150)
NRC10510	VS - Mass Concrete Coping - Zone E - (CH150 to 205)	11	31-May-14	13-Jun-14	16-Jul-14A	20-Nov-14A	100%	pping - Zone E - (CH150 to 205)
Zone D1								
Vertical								

NRC11720	VS - Mass Concrete Copin	ng - Zone D1 - (CH205 to 255)	15	02-May-14	20-May-14	22-Dec-14A	10-Jan-15	25%	one D1 - (CH205 to 255)				
NRC11790	VS - Mass Concrete Copin	ng - Zone D1 - (CH255 to 305)	8	21-May-14	29-May-14	12-Jan-15	20-Jan-15	0%	- Zone D1 - (CH255 to 305)				
NRC11860	VS - Mass Concrete Copin	ng - Zone D1 - (CH305 to 355)	8	30-May-14	09-Jun-14	21-Jan-15	29-Jan-15	0%	ping - Zone D1 - (CH305 to 355)				
Sloping	Seawall												
NRC12020	08 VS - Berm Stone - Zone D	1 - RTT	2	20-Jun-14	21-Jun-14	01-Dec-14A	29-Dec-14	50%	one D1 - RTT				
NRC12020	09 VS - Mass Concrete Copin	ng - Zone D1 - RTT	4	26-Apr-14	02-May-14	12-Aug-14A	29-Dec-14	80%	1 - RTT				
NRC14070	SS - Armour Rock - Zone I	D1 - (CH255 to 305)	4	03-Jan-14	07-Jan-14	02-Dec-14A	02-Dec-14A	100%					
NRC14080	SS - Armour Rock - Zone I	D1 - (CH305 to 355)	4	08-Jan-14	11-Jan-14	09-Dec-14A	12-Jan-15A	100%					
e 1 of 14		Planned Bar						Τ		Date	Revision TMCLK/DBJ/GEN/P	Checked R SPa	Appro W Yu
ect ID: TMCLK_ DWPB 14W51 a Date: 29-Dec-14		 Planned Bar Planned Milestone Progress bar Progress Milestone 	Det	TMCLK - Northern Connection Sub-Sea Tunnel Section Detailed Works Programme - Three months rolling programme					查留嘉 Dragages HongKong uygues Construction group ourgues Joint Venture 貫蓋 - 布依格攀營				1

vity ID	Activity Name	Orig Dur	Planned Start	Planned Finish	Current Start	Current Finish	14W51 % Comp		2	014	Ī		201	5	
Beelem	ottor	Dur	Sian	FINISH		FILISI	% Comp	Sep			Jan	Feb N		Apr M	iay Ju
Reclam	121100 30 Public Fill - Zone D1 - (CH305 to 355) to + 14.5mPD	11	07-Oct-14	18-Oct-14	19-Oct-14A	31-Oct-14A	100%			Public Fill - Zone D	1 - (CH305 tb 3	355) to +14	.5mPD		
NRC1519	0 Surcharge Period - Zone D1 - (CH305 to 355)	180	19-Oct-14	16-Apr-15	01-Nov-14A	03-May-15	33%	-						Surch:	arge Perioc
Zone D2															
Vertical	Seawall														
NRC1193	0 VS - Mass Concrete Coping - Zone D2 - (CH355 to 405)	8	12-May-14	21-May-14	29-Dec-14	07-Jan-15	0%	one D2 -	(CH355 t	o 405)					
NRC1198	0 VS - Mass Concrete Coping - Zone D2 - (CH405 to 443)	8	23-May-14	03-Jun-14	08-Jan-15	16-Jan-15	0%	g - Zone I	2- (CH	405 to 443)					
Sloping	Seawall														
NRC1409	0 SS - Armour Rock - Zone D2 - (CH355 to 405)	4	13-Jan-14	16-Jan-14	12-Dec-14A	15-Dec-14A	100%				•			 	, , , ,
NRC1410	0 SS - Armour Rock - Zone D2 - (CH405 to 443)	4	17-Jan-14	21-Jan-14	15-Dec-14A	30-Dec-14	39%								
Reclam				1	1		(1							1 1 1
	80 Public Fill - Zone D2 - (CH355 to 405) to +14.5mPD 80 Public Fill - Zone D2 - (CH455 to 405) to +14.5mPD	11	20-Oct-14	31-Oct-14	02-Nov-14A	08-Nov-14A	100%	-		Public Fill - Zo		í í			
	10 Public Fill - Zone D2 - (CH405 to 443) to +14.5mPD 10 Surcharge Period - Zone D2 - (CH355 to 405)	9	01-Nov-14	11-Nov-14	10-Nov-14A	19-Nov-14A	28%	-		Public Fill -	Zone D2 - (CH	1405 to 443) to + 1/4.		
	Surcharge Period - Zone D2 - (CH-355 to 445) Surcharge Period - Zone D2 - (CH405 to 443)	180	01-Nov-14 12-Nov-14	29-Apr-15 10-May-15	09-Nov-14A 19-Nov-14A	11-May-15 21-May-15	28%								urcharge P
		100	12-1100-14	10-1Way-15	19-1100-14A	21-1vidy-13	2378	-	- - - -						Surchar
Zone C1	Seawall														
	0 VS - Mass Concrete Coping - Zone C1 - (CH443 to 493)	8	10-Jun-14	18-Jun-14	14-Nov-14A	24-Dec-14A	100%	Copina - Z	one C1 -	(CH443 to 493)					
NRC1471	0 VS - Mass Concrete Coping - Zone C1 - (CH493 to 543)	8	19-Jun-14	27-Jun-14	14-Nov-14A	03-Feb-15	50%			1 - (CH493 to 543)					
Sloping	Seawall										++				
	0 SS - Armour Rock Underlayer - Zone C1 - (CH493 to 543)	5	12-Feb-14	17-Feb-14	12-Dec-14A	13-Dec-14A	100%								
NRC1485	0 SS - Armour Rock - Zone C1 - (CH443 to 493)	4	27-Feb-14	03-Mar-14	31-Dec-14	05-Jan-15	0%								
NRC1486	0 SS - Armour Rock - Zone C1 - (CH493 to 543)	4	04-Mar-14	07-Mar-14	06-Jan-15	09-Jan-15	0%								
NRC1488	80 SS - Mass Concrete Coping - Zone C1 - (CH443 to 493)	7	10-Jun-14	18-Jun-14	15-Dec-14A	20-Dec-14A	100%	Coping - Z	one C1 -	(CH443 to 493)					
NRC1489	0 SS - Mass Concrete Coping - Zone C1 - (CH493 to 543)	7	18-Jun-14	25-Jun-14	20-Dec-14A	24-Dec-14A	100%	e Coping	Zone C1	1 (CH493 to 543)		+		 	
Zone C2															
Vertical	Seawall														
	00 VS - Berm Stone - Zone C2 - (CH543 to 598)	3	19-Jul-14	22-Jul-14	03-Nov-14A	03-Nov-14A	100%	i		(CH543 to 598)					
	20 VS - Mass Concrete Coping - Zone C2 - (CH543 to 598)	8	20-Jun-14	30-Jun-14	01-Nov-14A	02-Jan-15	50%	ete Copino	- Zone C	C2 - (CH543 to 598)		·			
	y Seawall			00 E 1 11	(5.D. (14)		10001								
	10 SS - Armour Rock Underlayer - Zone C2 - (CH543 to 598) 70 SS - Armour Rock - Zone C2 - (CH543 to 598)	5	21-Feb-14 08-Mar-14	26-Feb-14 12-Mar-14	15-Dec-14A	15-Dec-14A 14-Jan-15	0%	-	1						
	0 SS - Althour Houk - Zone C2 - (CH543 to 598) 00 SS - Mass Concrete Coping - Zone C2 - (CH543 to 598)	7	26-Jun-14	04-Jul-14	10-Jan-15 08-Dec-14A	09-Dec-14A	100%	roto Coni	- 	C2 // Harles E00					
Zone B			20-0011-14	04 501-14	00-Dec-14A	00-Dec-14A	10078	arete Copi	ig - zone	С2- (СП 543 to 59(2				
	Seawall														
	0 VS - Berm Stone - Zone B - (CH598 to 648)	3	23-Jul-14	25-Jul-14	05-Nov-14A	13-Nov-14A	100%	n Stone -	Zone B -	(CH598 to 648)					
	0 VS - Berm Stone - Zone B - (CH648 to 698)	3	26-Jul-14	29-Jul-14	14-Nov-14A	20-Nov-14A	100%			- (CH648 to 698)					
	0 VS - Berm Stone - Zone B - (CH698 to 738)	3	30-Jul-14	01-Aug-14	19-Nov-14A	22-Nov-14A	100%			- (CH <u>698 to 738</u>)					
NRC1140	0 VS - Mass Concrete Coping - Zone B - (CH598 to 648)	8	30-Jun-14	09-Jul-14	21-Oct-14A	07-Jan-15	50%	crete Co	ng - Zon	ne B - (CH598 to 648)				
NRC1141	0 VS - Mass Concrete Coping - Zone B - (CH648 to 698)	8	10-Jul-14	18-Jul-14	20-Nov-14A	12-Jan-15	33%	Concrete	çoping - 2	Zone B - (CH648 to	6 9 8)				
NRC1142	0 VS - Mass Concrete Coping - Zone B - (CH698 to 738)	8	19-Jul-14	28-Jul-14	02-Dec-14A	17-Jan-15	33%	ss Concre	te Copin	g - Zone B - (CH698	to 738)				
Sloping	seawall														
NRC1154	0 SS - Armour Rock Underlayer - Zone B - (CH598 to 648)	5	04-Mar-14	08-Mar-14	15-Oct-14A	03-Nov-14A	100%	B)							
NRC1155	0 SS - Armour Rock Underlayer - Zone B - (CH648 to 698)	5	14-Mar-14	19-Mar-14	04-Nov-14A	16-Dec-14A	100%	698)	- - - -						
NRC1156	0 SS - Armour Rock Underlayer - Zone B - (CH698 to 738)	5	26-Mar-14	31-Mar-14	16-Dec-14A	18-Dec-14A	100%	98 to 738)	1					 ! !	
NRC1158	0 SS - Armour Rock - Zone B - (CH598 to 648)	4	01-Apr-14	04-Apr-14	15-Jan-15	19-Jan-15	0%								
	0 SS - Armour Rock - Zone B - (CH648 to 698)	4	07-Apr-14	10-Apr-14	20-Jan-15	23-Jan-15	0%								
	0 SS - Armour Rock - Zone B - (CH698 to 738)	4	11-Apr-14	15-Apr-14	24-Jan-15	28-Jan-15	0%	8)							
	0 SS - Mass Concrete Coping - Zone B - (CH648 to 698)	7	14-Jul-14	21-Jul-14	22-Oct-14A	05-Nov-14A	100%			Zone B - (GH648 k		·			
	0 SS - Mass Concrete Coping - Zone B - (CH698 to 738)	7	22-Jul-14	29-Jul-14	06-Nov-14A	11-Nov-14 A	100%	ss Concr	ete Copin	g - Zone B - (CH69	3 to 738)				1
Reclam		10	12 Ech 15	02 Mar 15	18 May 15	20 May 15	0%/	-	- - -				Comeladar	- Down drug	Zand D
	0 Surcharge Removal - Zone B - (CH698 to 738)	10	12-Feb-15	02-Mar-15	18-May-15	29-May-15	0%	-					Juricharg	ge Remolval -	∠uiie B -
Zone A1	Seawall														
	20 VS - Berm Stone - Zone A1 - (CH738 to 793)	3	02-Aug-14	05-Aug-14	22-Dec-14A	24-Dec-14A	100%	Berm Stor	e - Zone	A1 - (CH7 <u>38 to 793</u>					
	0 VS - Mass Concrete Coping - Zone A1 - (CH738 to 793)	8	29-Jul-14	06-Aug-14	19-Dec-14A	23-Jan-15	33%			ping - Zone A1 - (Cl					
Sloping	Seawall														
NRC1218	2 0 SS - Armour Rock Underlayer - Zone A1 - (CH738 to 793)	5	01-Apr-14	07-Apr-14	22-Dec-14A	31-Dec-14	40%	H738 to 7	33)						
NRC1219	00 SS - Armour Rock - Zone A1 - (CH738 to 793)	4	16-Apr-14	23-Apr-14	29-Jan-15	02-Feb-15	0%	o 793)	- - -						
NRC1221	0 SS - Mass Concrete Coping - Zone A1 - (CH738 to 793)	7	30-Jul-14	06-Aug-14	06-Dec-14A	10-Dec-14A	100%	Mass Cor	crete Co	ping - Zone At - (Cl	738 to 793)				
Reclam	ation								1						
NRC1234	0 Public Fill - ZoneA1 - (CH738 to 793) to +10mPD	6	15-Oct-14	21-Oct-14	17-Nov-14A	24-Nov-14A	100%			Public Fill - Zone	(CH738 to	793) to +10	Jm PD ¦		
NRC1537	70 Surcharge Period - Zone A1 - (CH738 to 793)	180	22-Oct-14	19-Apr-15	25-Nov-14A	28-Jun-15	0%							Surch	harge Per
Zone A2															
Vertical	Seawall														
	0 VS - Rockfill Type A - Zone A2 - (CH843 to 893)	3	06-Jun-14	09-Jun-14	11-Oct-14 A	05-Nov-14A	100%	ine A2 - (0	H843 to	893)					-
NRC1249											Date 1-Feb-14 TM	Revisi		Checked	d Appro
	Planned Bar											/ / /			
e 2 of 14	C_DWPB 14W51 Planned Bar	TMO	K - Norther	Connectic	n Quh Caa Tu	nnol Costi-	n	香室	壹						
e 2 of 14 ect ID: TMCLł	K_ DWPB 14W51				n Sub-Sea Tu		n D	香寶 港頁: Draga Hongk	ges 🛛	BOUYGUES TRAVAUX PUBLICS					
e 2 of 14	K_ DWPB 14W51				e - Three mon		n American de la Bouy Dragages - Bo	Draga HongK	ges ong group	BOUYGUES TRAMAUX PUBLICS	·				

)	Activity Name	Orig Dur	Planned Start	Planned Finish	Current Start	Current Finish	14W51 % Comp	2014 2015
	NRC12500	VS - Rockfill Type A- Zone A2 - (CH893 to 956)	7	10-Jun-14	17-Jun-14	11-Nov-14 A	23-Nov-14A	100%	Sep Oct Nov Dec Jan Feb Mar Apr May Zone A2 - (CH893 to 956) Dec Jan Feb Mar Apr May Dec Jan Feb Mar Apr May Dec Jan Feb Mar Apr May Jan Jan <thjan< th=""> <thjan< th=""> <thjan< th=""></thjan<></thjan<></thjan<>
		VS - Geotextile - Zone A2 - (C H843 to 893)	2	12-Jun-14	13-Jun-14	11-Oct-14 A	10-Nov-14A		A2 - (C H8#3 to 893)
		VS - Geotextile - Zone A2 - (C H893 to 956)	5	14-Jun-14	19-Jun-14	12-Nov-14A	23-Nov-14A	100%	
									e A2 - (C H893 to 956)
		VS - Granular Filter - ZoneA2 - (CH843 to 893)	4	19-Jun-14	23-Jun-14	03-Nov-14A	05-Nov-14A	100%	- Zone A2 - (CH843 to 893)
	NRC12560	VS - Granular Filter - Zone A2 - (CH893 to 956)	10	24-Jun-14	05-Jul-14	05-Nov-14A	23-Nov-14A	100%	ilter - ZoneA2 - (CH893 to 956)
	NRC12570	VS - Berm Stone - Zone A2 - (CH793 to 843)	3	06-Aug-14	08-Aug-14	01-Dec-14A	07-Dec-14A	100%	Berm Stone - Zone A2 - (CH793 to 843
	NRC12580	VS - Berm Stone - Zone A2 - (CH843 to 893)	3	09-Aug-14	12-Aug-14	08-Dec-14A	10-Dec-14A	100%	Berm Stone - Zone A2 - (CH/843 to 898)
	NRC12590	VS - Berm Stone - Zone A2 - (CH893 to 956)	7	13-Aug-14	20-Aug-14	11-Dec-14 A	14-Dec-14A	100%	VS - Berm Stone - Zone A2 - (CH893 te 656)
	NRC12600	VS - Mass Concrete Coping - Zone A2 - (CH793 to 843)	8	07-Aug-14	15-Aug-14	31-Jan-15A	31-Jan-15	18%	s - Mass Concrete Coping - Zohe A2 - (¢H793 to 843)
	NRC12610	VS - Mass Concrete Coping - Zone A2 - (CH843 to 893)	8	16-Aug-14	25-Aug-14	02-Feb-15	10-Feb-15	0%	VS - Mass Concrete Coping - Zone A2 - (CH843 to 893)
	NRC12620	VS - Mass Concrete Coping - Zone A2 - (CH893 to 956)	18	26-Aug-14	16-Sep-14	11-Feb-15	10-Mar-15	0%	VS - Mass Concrete Ooping - Zone A2 - (CH893 to 956)
	Sloping				· ·				
		SC - Rock Grade 400 - Zone A2 - (CH893 to 956) to +2.5mPD (4k/d)	7	16-Apr-14	26-Apr-14	01-Sep-14A	19-Nov-14A	100%	93 to 956) to +2.5mPD (4k/d)
		SS - Armour Rock Underlayer - Zone A2 - (CH793 to 843)	5	09-Apr-14	14-Apr-14	02-Jan-15	07-Jan-15	0%	······································
									CH793 to 843)
		SS - Armour Rock Underlayer - Zone A2 - (CH843 to 893)	5	16-Apr-14	24-Apr-14	08-Jan-15	13-Jan-15	0%	2 - (CH843 to 893)
	NRC12740	SS - Armour Rock Underlayer - Zone A2 - (CH893 to 956)	5	28-Apr-14	03-May-14	14-Jan-15	19-Jan-15	0%	e A2 - (CH893 to 956)
	NRC12750	SS - Armour Rock - Zone A2 - (CH793 to 843)	4	05-May-14	09-May-14	03-Feb-15	06-Feb-15	0%	793 to 843)
	NRC12760	SS - Armour Rock - Zone A2 - (CH843 to 893)	4	10-May-14	14-May-14	07-Feb-15	11-Feb-15	0%	H843 to 893)
	NRC12770	SS - Armour Rock - Zone A2 - (CH893 to 956)	4	15-May-14	19-May-14	12-Feb-15	16-Feb-15	0%	CH893 to 956)
	NRC12780	SS - Mass Concrete Coping - Zone A2 - (CH793 to 843)	7	07-Aug-14	14-Aug-14	13-Dec-14A	19-Dec-14A	100%	- Mass Concrete Coping - Zone A2 - (C H793 to 848)
	NRC12790	SS - Mass Concrete Coping - Zone A2 - (CH843 to 893)	7	15-Aug-14	22-Aug-14	20-Dec-14A	06-Feb-15	44%	SS - Mass Concrete Coping - Zone A2 - (CH843 to 893)
		SS - Mass Concrete Coping - Zone A2 - (CH893 to 956)	7	23-Aug-14	30-Aug-14	07-Feb-15	14-Feb-15	0%	SS - Mass Concrete Coping - Zone A2 - (CH893(to 956)
		Sloping - Rockfill Type A- Zone A2 - (CH843 to 893)	1	16-Apr-14	16-Apr-14	08-Nov-14A	13-Nov-14A	100%	
									43 to 893)
		Sloping - Rockfill Type A- Zone A2 - (CH893 to 956)	1	28-Apr-14	28-Apr-14	21-Nov-14A	21-Nov-14A	100%	\$H893 to 956)
	NRC12870	Sloping - Geotextile - Zone A2 - (CH893 to 956)	2	29-Apr-14	30-Apr-14	21-Nov-14A	21-Nov-14A	100%	93 to 956)
	NRC12880	Sloping - Granular Filter - Zone A2 - (CH793 to 843)	3	12-Apr-14	15-Apr-14	29-Oct-14A	31-Oct-14A	100%	93 to 843)
	NRC12890	Sloping - Granular Filter - Zone A2 - (CH843 to 893)	3	23-Apr-14	25-Apr-14	24-Oct-14A	13-Nov-14A	100%	H843 to 893)
	NRC12900	Sloping - Granular Filter - Zone A2 - (CH893 to 956)	3	02-May-14	05-May-14	22-Nov-14A	22-Nov-14A	100%	(CH893 to 956)
	Reclama	tion							
	NRC13020	Public Fill - Zone A2 - (CH843 to 893) to -2.5mPD	6	11-Jul-14	17-Jul-14	03-Oct-14A	04-Nov-14A	100%	Zone A2 - (CH843 to 893) to -2.5m PD
	NBC13030	Public Fill - ZoneA2 - (CH893 to 956) to -2.5mPD	4	18-Jul-14	22-Jul-14	03-Nov-14A	06-Dec-14A	100%	- Zone A2'- (CH893'to 956) to -2.5mPD
		Public Fill - Zone A2 - (CH843 to 893) to +2.5mPD	7		18-Aug-14	24-Oct-14A	14-Nov-14A	100%	
				11-Aug-14					ublic Fill - Zone A2 - (CH843 to 893) to +2.5mPD
	NRC13070	Public Fill- Zone A2 - (CH893 to 956) to +2.5mPD	6	19-Aug-14	25-Aug-14	13-Nov-14A	10-Dec-14A	100%	Public Fill- Zone A2 - (CH893 to 956) to +2.5mPD
	NRC13080	Public Fill - Zone A2 - (CH793 to 843) to +6.0mPD	7	11-Aug-14	18-Aug-14	18-Oct-14A	31-Oct-14A	100%	ublic Fill - Zone A2 - (CH793 to 843) to +6.0mPD
	NRC13090	Public Fill - Zone A2 - (CH843 to 893) to +6.0mPD	7	19-Aug-14	26-Aug-14	02-Nov-14A	13-Dec-14A	100%	Public Fill - Zone A2 - (CH843 to 893) to +6.0mPD
	NRC13100	Public Fill - Zone A2 - (CH893 to 956) to +6.0mPD	6	27-Aug-14	02-Sep-14	02-Dec-14A	09-Dec-14A	100%	Public Fill - Zone A2 - (CH893 to 956) to +6.0mPD
	NRC13110	Public Fill - Zone A2 - (CH793 to 843) to +10mPD	6	22-Oct-14	28-Oct-14	13-Dec-14A	15-Dec-14A	100%	Public Fill - Zope 42 - (CH793 to 843) to +10mPD
	NRC13120	Public Fill - Zone A2 - (CH843 to 893) to +10mPD	7	29-Oct-14	05-Nov-14	20-Dec-14A	07-Feb-15	43%	Public Fill - Zone A2 - (CH843 to 893) to + 10m PD
	NRC13130	Public Fill - Zone A2 - (CH893 to 956) to +10m PD	4	06-Nov-14	10-Nov-14	09-Feb-15	12-Feb-15	0%	Public Fill - Zone A2 - (CH893 to 956) to + 10mPD
	NBC15390	Surcharge Period - Zone A2 - (CH793 to 843)	180	11-Nov-14	09-May-15	13-Feb-15	11-Aug-15	0%	Surcha
		NewActivity	0			29-Dec-14	30-Dec-14	0%	
						23-Dec-14	30-Dec-14	078	
	Zone F								
	CH184 to			,					
	A6416230	F - Anchor wall Installation - C H184 to CH231	4	10-Mar-14	13-Mar-14	29-Dec-14	02-Jan-15	0%	
	A6416290	F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall- CH184 to CH231	3	14-Mar-14	16-Mar-14	03-Jan-15	05-Jan-15	0%	or Wall- CH184 to CH231
	A6416295	F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall- CH184 to	2	17-Mar-14	18-Mar-14	06-Jan-15	07-Jan-15	0%	chor Wall- CH184 to CH231
	A6416300	CH231 F - Backfilling up to +6.0mPD to Anchor Wall - CH184 to CH231	2	19-Mar-14	20-Mar-14	08-Jan-15	09-Jan-15	0%	84 to CH231
	A6416400	F - Backfilling to +6.0mPD to Existing Seawall - CH184 to CH231	1	21-Mar-14	21-Mar-14	10-Jan-15	10-Jan-15	0%	184 to CH231
	CH231 to	F - Backfilling up to +0.5mPD & T3 Installation - CH231 to CH278	e	00 Mar 14	02 Apr 11	10 log 15	10 Jan 15	00/	CH021 to CH079
			6	28-Mar-14	02-Apr-14	13-Jan-15	18-Jan-15	0%	CH231 to CH278
	A6416278	F - Backfilling up to +3.0mPD - CH231 to CH278	2	03-Apr-14	04-Apr-14	19-Jan-15	20-Jan-15	0%	78
	A6416280	F - Backfilling up to +6.0mPD - CH231 to CH278	2	05-Apr-14	06-Apr-14	21-Jan-15	22-Jan-15	0%	278
	A6416310	F - Anchor wall Installation - CH231 to CH278	4	07-Apr-14	10-Apr-14	23-Jan-15	27-Jan-15	0%	8
	A6416480	F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall- CH231 to CH278	3	11-Apr-14	13-Apr-14	28-Jan-15	30-Jan-15	0%	n to Ancher Wall- CH231 to CH278
	A6416490	F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall - CH231 to	2	14-Apr-14	15-Apr-14	31-Jan-15	01-Feb-15	0%	tion to Anchor Wall - CH231 to CH278
	A6416500	CH278 F - Backfilling up to +6.0mPD to Anchor Wall - CH231 to CH278	2	16-Apr-14	17-Apr-14	02-Feb-15	03-Feb-15	0%	all - CH231 to CH278
		F - Backfilling to +6.0m PD to Existing Seawall - CH231 to CH278	1	18-Apr-14	18-Apr-14	04-Feb-15	04-Feb-15		
			1	10- <i>n</i> µ1-14	10-API-14	CI-UB 1-+0		0%	wall - CH231 to CH278
	CH278 to								
	A6416195	F - Marine Sheet Piling (H2) - CH278 to CH327	5	12-Mar-14	17-Mar-14	28-Oct-14A	05-Nov-14A	100%	
	A6416200	F - Backfilling up to -3.5mPD & T2 Installation - CH278 to CH327	5	18-Mar-14	22-Mar-14	15-Dec-14A	24-Dec-14A	100%	1278 to CH327
	A6416210	F - Backfilling up to +0.5mPD - CH278 to CH327	4	23-Mar-14	26-Mar-14	09-Jan-15	12-Jan-15	0%	
	A6416215	F - Backfilling up to +3.0mPD & T4 Installation - CH278 to CH327	5	27-Mar-14	31-Mar-14	14-Jan-15	18-Jan-15	0%	CH278 to/CH327
	A6416220	F - Backfilling up to +6.0mPD - CH278 to CH327	2	01-Apr-14	02-Apr-14	19-Jan-15	20-Jan-15	0%	
	A6416340	F - Anchor wall Installation - CH278 to CH327	4	11-Apr-14	15-Apr-14	28-Jan-15	31-Jan-15	0%	827
	A6416520	F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall - CH278 to CH327	3			01-Feb-15		0%	ion to Anchor Wall - CH278 to CH327
				16-Apr-14	18-Apr-14		03-Feb-15		
	A6416530	F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall - CH278 to CH327	3	19-Apr-14	21-Apr-14	04-Feb-15	06-Feb-15	0%	Ilation to Anchor Wall - CH278 to CH327
ge 3 o	f 14	Planned Bar							Date Revision Checked App 21-Feb-14 TMCLK/DBJ/GEN/PR SPa WYu
		Planned Par							
icet 'F	J. TIVIULK	_DWPB 14W51	TMCL	K - Northerr	Connection	n Sub-Sea Tu	nnel Sectio	n D	^香 寶嘉 Drogoges
ject ID									
-	e: 29-Dec-	14 Progress bar	D-'		Drogram	e - Three mon	the rolling	ALC: NOT	HongKong

ctivit	y ID	Activity Name	Orig	Planned	Planned	Current Start	Current	14W51		4			00	45		
			Dur	Start	Finish		Finish	% Comp	Sep Oct	Nov Dec	Jan	Feb	20 Mar	15 Apr	May	Jun
		F - Backfilling up to +6.0mPD to Anchor Wall - CH278 to CH327 F - Backfilling to +6.0mPD to Existing Seawall - CH278 to CH327	3	22-Apr-14 25-Apr-14	24-Apr-14 25-Apr-14	07-Feb-15	09-Feb-15	0%	Wall - CH278 to CH							1
	CH327 to		1	25-Apr-14	25-Apr-14	10-Feb-15	10-Feb-15	0%	eawall - CH278 to CH							
		F - Backfilling up to -3.5mPD & T2 Installation - CH327 to CH381	4	12-Mar-14	15-Mar-14	08-Nov-14A	13-Dec-14A	100%	27 to CH381							1
	A6416155	F - Backfilling up to+ 0.5mPD - CH327 to CH381	3	16-Mar-14	18-Mar-14	06-Jan-15	08-Jan-15	0%								- - - -
	A6416160	F - Backfilling up to +3.0mPD & T4 Installation - CH327 to CH381	5	19-Mar-14	23-Mar-14	09-Jan-15	13-Jan-15	0%	H327 to CH381							
	A6416170	F - Backfilling up to +6.0mPD - CH327 to CH381	3	24-Mar-14	26-Mar-14	14-Jan-15	16-Jan-15	0%								1
	A6416370	F - Anchor wall Installation - CH327 to CH381	3	16-Apr-14	22-Apr-14	02-Feb-15	04-Feb-15	0%	H381			· + + 	+			
		F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall - CH327 to CH381	3	23-Apr-14	25-Apr-14	05-Feb-15	07-Feb-15	0%	lation to Anchor Wall	CH327 to CH38	1					
	A6416570	F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall - CH327 to CH381	3	26-Apr-14	28-Apr-14	08-Feb-15	10-Feb-15	0%	tallation to Anchor We		381					1
	A6416580	F - Backfilling up to +6.0mPD to Anchor Wall - CH327 to CH381	2	29-Apr-14	30-Apr-14	11-Feb-15 13-Feb-15	12-Feb-15	0%	pr Wall - CH327 to O							
	Box Culvert	F - Backfilling to +6.0mPD to Existing Seawall - CH327 to CH381	1	01-May-14	01-May-14	13-Feb-15	13-Feb-15	0%	Seawall - CH327 to (; ; ;				
	Constructi							_								1
	CH000 to												1			
	A6416670	Bored Pile Construction - A43 to A62 (4 Rigs) & Land Sheet Piling	96	31-May-14	23-Sep-14	21-Jul-14A	14-Nov-14A	100%	Bored Pile	Construction - At	8 to A62 (4 F	tigs) & La	and Sheet I	Piling	1	1
	A6416680	Backfilling for Surcharge	18	24-Sep-14	16-Oct-14	29-Dec-14	19-Jan-15	0%	Ba	ckfilling for Surcha	arge					
	A6416690	Surcharge Period	180	17-Oct-14	14-Apr-15	20-Jan-15	18-Jul-15	0%			+		+		ircharge P	eriod
	CH137 to	CH184				11		,								1
	A6416610	Predrilling - CH137 to CH184	24	07-Feb-14	06-Mar-14	16-Oct-14A	07-Nov-14A	100%								
	A6416720	Bored Pile Construction - A42 to A35	160	07-Mar-14	19-Sep-14	14-Jul-14A	19-Nov-14A	100%		Construction - A42		 	1 1 1			1
	A6416770	Backfilling for Surcharge	12	20-Sep-14	06-Oct-14	29-Dec-14	12-Jan-15	0%		lling for Surcharge						
	A6416780	Surcharge Period	180	07-Oct-14	04-Apr-15	13-Jan-15	11-Jul-15	0%						Surch	arge Perio	d
	CH184 to	CH231 Predrilling - CH184 to CH231	24	22-Mar-14	22 Apr 14	08-Nov-14A	20- lan 15	33%				. I				
	A6416620 A6416730	Predrilling - CH184 to CH231 Bored Pile Construction - A34 to A27	24 156	22-Mar-14 22-Mar-14	23-Apr-14 30-Sep-14	08-Nov-14A 30-Oct-14A	29-Jan-15 10-Jun-15	25%	Devel 2	le Construction - /	A34 to A07	 				1
	A6416730 A6417160	Surcharge Removal - CH184 to CH231	6	22-Mar-14 27-Feb-15	05-Mar-15	30-Oct-14A 31-Oct-15	06-Nov-15	0%	Bored P		-υ+ ι∪A2/	ſ	Surch	arge Rom	bval - CH	184 to 1
	CH231 to		Ŭ					070					Guici	aige nem		
	A6416630	Predrilling - CH231 to CH278	24	22-Apr-14	21-May-14	05-Feb-15	11-Mar-15	0%								-
	A6416740	Bored Pile Construction - A26 to A19	143	22-Apr-14	13-Oct-14	05-Feb-15	06-Aug-15	0%	Bore	ed Pile Construction	on - A26 to A	19				
	A6417200	Surcharge Removal - CH231 to CH278	6	10-Feb-15	16-Feb-15	04-Dec-15	10-Dec-15	0%				– s	urcharge	Removal -	CH231 to	CH27
	A6417210	Excavation down to S1 level - CH231 to CH278	8	17-Feb-15	04-Mar-15	11-Dec-15	19-Dec-15	0%				. 🗖	Excav	ation dowr	to S1 leve	el - CH
Ľ	CH278 to	CH327				<u> </u>										
	A6416640	Predrilling - CH278 to CH327	24	26-Apr-14	26-May-14	11-Feb-15	17-Mar-15	0%	7			. 				
	A6416840	Surcharge Period	105	30-Oct-14	11-Feb-15	25-Aug-15	07-Dec-15	0%			-	 Su	rcharge P	eriod		-
	A6417240	Surcharge Removal - CH278 to CH327	6	12-Feb-15	18-Feb-15	08-Dec-15	14-Dec-15	0%					Surcharge	Removal	- CH278 to	o CH32
	A6417250	Excavation down to S1 level - CH278 to CH327	8	26-Feb-15	06-Mar-15	15-Dec-15	23-Dec-15	0%					Exca	ation dow	h to S1 lev	el - C⊦
I.	CH327 to															
	A6416650	Predrilling - CH327 to CH381	24	02-May-14	30-May-14	14-Feb-15	20-Mar-15	0%	81		_					
	A6417280	Surcharge Removal - CH327 to CH381	6	09-Jan-15	15-Jan-15	05-Nov-15	11-Nov-15	0%					Removal -			
	A6417290 A6417300	Excavation down to S1 level - CH327 to CH381 S1 Installation - CH327 to CH381	9	16-Jan-15 	26-Jan-15 05-Feb-15	12-Nov-15 23-Nov-15	21-Nov-15 02-Dec-15	0%	_						+ CH327 to CH381	i i
	A6417310	Excavation down to Formation level - CH327 to CH381	6	06-Feb-15	12-Feb-15	03-Dec-15	02-Dec-15	0%					+		mation le	
	A6417320	Box Culvert Construction - CH327 to CH381	142	13-Feb-15	13-Aug-15	10-Dec-15	10-Jun-16	0%	-							
	CH381 to	CH399 (Box Culvert Connection)														
I	A6416660	F - Prebored H-piles for CKS Temporary Land Access	6	18-Feb-14	24-Feb-14	29-Dec-14	05-Jan-15	0%								
	A6417000	F - Steel Bridge Installation for Land Access to Zone E	52	25-Feb-14	30-Apr-14	06-Jan-15	13-Mar-15	0%	ccess to Zone E							
	North Shaft	s Construction & Tunnel Structure									+				+ 1 1	
	_ Design Sul	bmission													1	
ſ	(C1) DDA	for North C&C Tunnel Permanent Structure - NLS Ba	se Slab									 	 			
	DD00350	Designer to Reply RtC + Update Submission	15	13-May-14	30-May-14	23-Oct-14A	21-Nov-14A	100%	date Submission							
	DD00360	Submit Updated DDA to SO/ ICE/ IPs	0	30-May-14		21-Nov-14A		100%	ICE/ IPs			 				
	DD00370	ICEApproval & Issue Check Cert	18	30-May-14	21-Jun-14	28-Aug-14A	26-Nov-14A	100%	Check Cert							1
	DD00380	Submit ICE Check Cert to SO	0		21-Jun-14		26-Nov-14A	100%	ert to SO			1 1 1				
	DD00390	IPs Review	28	30-May-14	27-Jun-14	21-Nov-14A	12-Dec-14A	100%				. 1				
	DD00400	IP's No Objection Received	0	20 May 14	27-Jun-14	21-Nov-14A	12-Dec-14A	100%	Received							1
	DD00440	SO's Review SO Approval with Condition R eceived	35 0	30-May-14	04-Jul-14 04-Jul-14	∠1-1N0V-14A	12-Dec-14A 12-Dec-14A	100%	h Condition R eceived			 				
	DD00430	Works Commencement - North C&C Tunnel Permanent Barette	0	07-Jul-14	v-ruur 14	12-Dec-14A	.L DOC-14A	100%	n Condition Received		at Barette					
		for North Approach Ramp Permanent Structure	-													
ſ	DD70770	Preparation DDANorth Approach Ramp Permanent Structure	18	04-Jul-14	25-Jul-14	13-Dec-14A	16-Feb-15	12%	pn DDANprth Approa	ch Ramp Perman	ient Structure	- 				1
	DD70780	Review & Comment by JV	12	25-Jul-14	08-Aug-14	17-Feb-15	09-Mar-15	0%	ew & Comment by J			. 1				
	DD70820	Submit Updated DDA to SO/ ICE/ IPs	0	04-Nov-14		05-Jun-15		0%	·	Submit Update	d DDA to SC)/ ICE/ IF	s		+	
	DD70830	ICEApproval & Issue Check Cert	18	04-Nov-14	25-Nov-14	05-Jun-15	27-Jun-15	0%			proval & Issu	e Check	Cert			
	DD70840	Submit ICE Check Cert to SO	0		25-Nov-14		27-Jun-15	0%		♦ Submb	CE Check	Cert to S	- D			
	DD70850	IPs Review	28	04-Nov-14	02-Dec-14	05-Jun-15	03-Jul-15	0%		IPs F	Review	 				
ge -	4 of 14	Planned Bar		1	1				- L ! !	<u> </u>	Date		evision			pprove
-		_ DWPB 14W51 Planned Bar			_	_			▲ 由 →	2	21-Feb-14 T	MCLK/DI	BJ/GEN/P	R SPa	W	ſu
	_	A Planned Milestone	TMCL	K - Northerr	Connection	n Sub-Sea Tu	innel Sectio	n D		BOUYGUES TRAVAUX PUBLICS						
ata [Date: 29-Dec-		Det	ailed Works	Programme	e - Three mon	ths rolling		HongKong rygues Construction group							
		 Progress Milestone 			program	nme		Uragages - Bo	ouygues Joint Venture 寶嘉 - 布·	以俗研室						

vity ID	Activity Name	Orig Dur	Planned Start	Planned Finish	Current Start	Current Finish	14W51 % Comp			14		2015
DD70860	IP's No Objection Received	0		02-Dec-14		03-Jul-15	0%	Sep	Oct	Nov		Jan Feb Mar Apr May
DD70870		35	04-Nov-14	09-Dec-14	05-Jun-15	10-Jul-15	0%					s Review
DD70880	SO Approval with Condition R eceived	0		09-Dec-14		10-Jul-15	0%	-			♦ 50	Approval with Condition R eceived
(D2) DD	A Temp.works - North Ventilation Shaft ELS											
DD03380	-	28	09-Apr-14	06-May-14	03-Oct-14A	29-Oct-14A	100%	Commen	ts			
DD03390	Comments Received	0	· · ·	07-May-14		29-Oct-14A	100%		1			
DD03400		21	07-May-14	30-May-14	29-Oct-14A	18-Nov-14A	100%	date Subr	+	+		
DD03410		0	31-May-14		18-Nov-14A		100%	/ ICE/ IPs	1			
		12		14 km 14		14 Nov 14 A	100%		1			
DD03420	ICEApproval & Issue Check Cert		31-May-14	14-Jun-14	29-Sep-14A	14-Nov-14A		heck Cer	1			
DD03430	Submit ICE Check Cert to SO	6	16-Jun-14	21-Jun-14	15-Nov-14A	18-Nov-14A	100%	ert to SO				
DD03440		28	31-May-14	27-Jun-14	18-Nov-14A	10-Dec-14A	100%		¦ +	+		
DD03450	IP's No Objection Received	0		27-Jun-14		10-Dec-14A	100%	Received				
DD03490	SO's Review	35	31-May-14	04-Jul-14	18-Nov-14A	12-Dec-14A	100%		-			
DD03495	SO Approval with Condition R eceived	0		04-Jul-14		12-Dec-14A	100%	h Conditio	h Receive	d		
DD03515	Works Commencement - TBM Change Diameter Shaft - 04Aug14	0	04-Aug-14		24-Nov-14A		100%	s Comme	ncement -	TBM Char	ge Diam	eter Shaft - 04Aug14
Constru	ction											
North L	aunching Shaft ELS Foundation & Capping Beam (Cell 1 to 3)					_		+			
NSH1360	E - Cell 1-3 - Capping beam Installation	18	08-Jul-14	28-Jul-14	25-Aug-14A	14-Nov-14A	100%	1-3 - Cap	ping beam	Installation	h	
NSH1370	E - Cell 1-3 - Instrumentation & Pump well Installation	6	31-Jul-14	06-Aug-14	23-Aug-14A	15-Nov-14A	100%	ell 1-3 - Ir	¦ nstrumenta	ation & Pum	ip well In	tallation
NSH1430	E - Pumping Test for TBM Lanuching Shaft ELS - Cell 1-3	5	07-Aug-14	11-Aug-14	03-Nov-14A	12-Nov-14A	100%	Pumping	Test for TI	3M Lanuchi	ng Shaft I	LS - Cell 1-3
North L	aunching Shaft Excavation (Cell 1 to 3)											
NSH1440		77	12-Aug-14	12-Nov-14	06-Oct-14A	06-Dec-14A	100%				Cell 1 to	3 - Shaft Excavation
North	aunching Shaft Base Slab for TBM Launching									_		
NSH1455		12	20-Nov-14	03-Dec-14	29-Dec-14	12-Jan-15	0%			4	F - T	mpanum construction for TBM break-in
NSH1455 NSH1460		22	13-Nov-14	03-Dec-14 08-Dec-14	01-Dec-14A	12-Jan-15	46%	-		<u> </u>		
									1			Cell 1 to 2 - Base Slab construction
NSH1465		6	09-Dec-14	15-Dec-14	22-Dec-14A	22-Dec-14A	100%	 	¦ +	+		Cell 3 to 4 - Excavation to ML03 formation level
NSH1470		12	16-Dec-14	31-Dec-14	22-Dec-14A	22-Dec-14A	100%		-			E - Cell 3 to 4 - ML3 Base Slab construction
NSH1480		6	02-Jan-15	08-Jan-15	22-Dec-14A	22-Dec-14A	100%		-			E - Cell 5 - Temporary backfilling for ML03 loc
NSH1490	E - Cell 3 to 4 - Excavation to ML02 formation level	6	02-Jan-15	08-Jan-15	22-Dec-14A	22-Dec-14A	100%		-			E - Cell 3 to 4 - Excavation to ML02 formation
NSH1500	E - Cell 3 to 4 - ML02 Base Slab construction	18	09-Jan-15	29-Jan-15	22-Dec-14A	22-Dec-14A	100%		-			E - Cell 3 to 4 - ML02 Base Slab constr
NSH1510	E - Cell 5 - Temporary backfilling for ML02 logistic	6	30-Jan-15	05-Feb-15	22-Dec-14A	22-Dec-14A	100%					E - Cell 5 - Temporary backfilling for
North V	entilation Shaft ELS Foundation & Capping Beam		1						÷	+		
A6415775	B - Setup for Shaft ELS Foundation	20	02-Aug-14	25-Aug-14	27-Oct-14A	31-Oct-14A	100%	B - Setu	¦ d for Shaft	: ELS Found	ation	
A6415780	B - Diaphragm Wall - Shaft ELS	81	26-Aug-14	01-Dec-14	01-Nov-14A	23-Mar-15	18%				B - Di	aphragm Wall - Shaft ELS
A6415790	B - Instrumentation & Pump well Installation	6	02-Dec-14	08-Dec-14	24-Mar-15	30-Mar-15	0%				в-	nstrumentation & Pump well Installation
A6415795		7	09-Dec-14	15-Dec-14	31-Mar-15	06-Apr-15	0%		-		7	Pumping Test for Excavation
				10 200 11			0,0		¦			
	Pentilation Shaft Excavation & Base Slab		00 D ++ 44	00 D ++ 44	04.04-045	00 May 45	00/		-			
A6415800	. ,	5	02-Dec-14	06-Dec-14	24-Mar-15	28-Mar-15	0%		-		7	ent Shaft Excavation (+6.0 to +4.0mPD) + Reclamat
A6415810		12	08-Dec-14	20-Dec-14	30-Mar-15	16-Apr-15	0%				-	B - Capping Beam Installation (+6.0mPD)
A6415820	B - Vent Shaft Excavation (+4.0 to -8.0mPD) - Reclamated Fill	19	22-Dec-14	15-Jan-15	17-Apr-15	09-May-15	0%					B Vent Shaft Excavation (+4.0 to -8.0m PD
A6415830	B - Ring Beam Installation (-5.5mPD)	6	16-Jan-15	22-Jan-15	11-May-15	16-May-15	0%					B - Ring Beam Installation (-5,5mPD)
A6415840	B - Vent Shaft Excavation (-8.0 to -20.0mPD) - Fill/MD/ALLUVIUM	27	23-Jan-15	02-Mar-15	18-May-15	18-Jun-15	0%		 - -			B - Vent Shaft Excavation (
CLP Tem	porary Substation											
Constru	ction											
DDP12800	1st Batch - CLP Installation & Commissioning	108	02-Jul-14	07-Nov-14	02-Jul-14A	03-Jan-15	95%			1st B	latch - Cl	P Installation & Commissioning
DDP12810	11kV Equipment / Switch Room installation by JV	48	20-Aug-14	18-Oct-14	20-Aug-14A	31-Oct-14A	100%			1kV Equipr	n ent / Sv	tch Room installation by JV
DDP12830	1st batch - Noise Measurement (deleted)	12	08-Nov-14	21-Nov-14	21-Nov-14A	21-Nov-14A	100%		+		1st batch	Noise Measurement (deleted)
DDP12840	Final FS Installation by JV	6	08-Nov-14	14-Nov-14	05-Jan-15	10-Jan-15	0%		-			tallation by JV
DDP12850		12	15-Nov-14	28-Nov-14	12-Jan-15	24-Jan-15	0%					spection for 1st Transformer Energization
DDP12850	1st Batch - Commissioning & Energization	0		28-Nov-14		24-Jan-15*	0%		1			pection for 1st transformer Energization
			15 000 11		02 1-1 44 4		95%				i ot Dat	
DDP12870		95	15-Oct-14	05-Feb-15	02-Jul-14A	03-Jan-15			; —	+		2nd Batch - CLP Installation & Com
DDP12880		24	09-Jan-15	06-Feb-15	20-Sep-14A	15-Oct-14A	100%					FS lhstallation by JV
DDP12890	2nd Batch - Noise Measurement (to be clarified)	6	06-Feb-15	12-Feb-15	21-Nov-14A	21-Nov-14A	100%		-			2nd Batch - Noise Measurement (1
DDP12900	Final FS Installation by JV	6	06-Feb-15	12-Feb-15	05-Jan-15	10-Jan-15	0%		-			Final FS Installation by JV
DDP12910	FSD inspection for 2nd Transformer Energization	6	13-Feb-15	18-Feb-15	11-Jan-15	16-Jan-15	0%		-			FSD inspection for 2nd Transfor
DDP12920	2nd Batch - Commissioning & Energization	0		18-Feb-15		16-Jan-15*	0%		-			2nd Batch - Commissioning & E
North Su	rface works for TBM Tunnelling	1										
Design S	Submission											
(D1) IFA	A for Temp. Access to Portion N8A, N8B & N8C incl. T	emp. Ligh	ting						-			
AP01500	Preparation of AIP Temporary Access Road to N8	33	02-Jan-14	15-Feb-14	02-Jan-14A	30-Dec-14	94%		-			
AP01505	Review & Comment by JV	12	17-Feb-14	01-Mar-14	31-Dec-14	14-Jan-15	0%	1				
AP01510	Designer Prepare IFA	6	03-Mar-14	08-Mar-14	15-Jan-15	21-Jan-15	0%		;			
AP01515	Formal Submission of IFA to ICE/IPs	0		08-Mar-14		21-Jan-15	0%		1			
	Advanced Submission of IFA to SO	0						1				
AP01520				08-Mar-14		21-Jan-15	0%		1			
AP01525	Review & Comment by SO/ ICE/ IPs	28	09-Mar-14	05-Apr-14	22-Jan-15	18-Feb-15	0%					
AP01530	Advance Commants from SO/ Comments from ICE/ IPs Received	0		07-Apr-14		18-Feb-15	0%	m ICE/ IP	s Receive	d		
	K_DWPB 14W51 CC-14 Planned Bar Planned Bar ♦ ♦ Planned Milestone Progress bar				n Sub-Sea Tu			香寶 港員 Draga Hong K	ges ong	BOUYGUE TRAVAUX PUBLI		Date Revision Checked Ap -Feb-14 TMCLK/DBJ/GEN/PR SPa WY
Date: 29-De	ec-14 Progress bar ♦ ♦ Progress Milestone	Det	tailed Works	Programm prograr	e - Three mor nme	nths rolling		Hongk rgues Construction uygues Joint V	group		S	

,		Activity Name	Orig Dur	Planned Start	Planned Finish	Current Start	Current Finish	14W51 % Comp	20 ⁻ Sep Oct	14 Nov Dec	Jan Feb		15 Apr Ma	av I.
	AP01535	Designer to Prepare RtC & Updated AIP	18	07-Apr-14	30-Apr-14	26-Feb-15	18-Mar-15	0%						<u>ay c</u>
С	onstruction	on												
2	Zone E													
	A6416440	Zone E - Break-in Plug - CSM	38	18-Sep-14	03-Nov-14	01-Sep-14A	25-Nov-14A	100%		Zone E - Brea	in Plug - CSM			
	A6416450	Zone E - Jet grouting	60	04-Nov-14	15-Jan-15	03-Sep-14A	16-Feb-15	30%			Zone E	Jet grouting		
	Zone D1													
	NRC14020	Zone D1 - Ground Treatment for CP54	20	14-Jul-14	05-Aug-14	02-Sep-14A	02-Jan-15	60%	D1 - Ground Treatme	ent for CP54				
	Zone D2													1
	NRC14110	Zone D2 - B/C Slurry Substitution for CP53	22	06-Aug-14	30-Aug-14	03-Jan-15	28-Jan-15	0%	Zone D2 - B/C Slu	rry Substitution for	CP53			
	Zone C1													
		Zone C1 - B/C Slurry Substitution for CP52	26	27-Aug-14	26-Sep-14	29-Dec-14	28-Jan-15	0%	Zone C1	- B/C Slurry Subst	tution for CP52			
	Zone C2		1 1			1 1								
		Zone C2 - Drilling for Rock Fissue Grouting for CP51	21	03-Jul-14	26-Jul-14	06-Nov-14A	09-Jan-15	52%	- Drilling for Rock Fi					
		Zone C2 - Rock Fissue Grouting for CP51	44	14-Jul-14	02-Sep-14	19-Nov-14A	27-Jan-15	43%	Zone ¢2 - Rock		CP51			
		Zone C2 - Jet Grouting for CP51	18	20-Aug-14	10-Sep-14	14-Jan-15	03-Feb-15	0%	Zone C2 - Jet	Grouting for CP51				
	Zone B				-									
	A6415895	Zone B - Unreinforced Separation D-wall	13	27-Aug-14	11-Sep-14	08-Jan-15	22-Jan-15	0%		inforced Separatio	D-wall			
	A6415897	Zone B - Unreinforced Separation D-wall	13	25-Jul-14	08-Aug-14	19-Nov-14A	07-Jan-15	40%	B - Unreinforced Se	paration D-wall				
	A6415900	Zone B - Slurry Wall for TBM Break-out Plug	34	02-Dec-14	13-Jan-15	24-Mar-15	07-May-15	0%					or TBM Break-ou	
	A6415910	Zone B - Slurry Wall - Toe Grouting	24	14-Jan-15	10-Feb-15	08-May-15	05-Jun-15	0%	.		Z	one B - Slur	ry Wall - Toe Gr	
	A6415920	Zone B - Ground Treatment for TBM Break-out Plug	58	11-Feb-15	30-Apr-15	06-Jun-15	14-Aug-15	0%					Zo	one B - C
_	Ground Tr													
	A6417430	Zone A - B/C Slurry Substitution for CP49	30	22-Oct-14	25-Nov-14	04-Feb-15	17-Mar-15	0%		ZoneA	B/C Slurry Substit	1		
	A6417440	Zone A - Drilling for Rock Fissure Grouting for CP48	65	11-Nov-14	28-Jan-15	13-Feb-15	12-May-15	0%			Zone		or Rock Fissure	1
	A6417450	Zone A - Rock Fissue Grouting for CP48	90	25-Nov-14	19-Mar-15	06-Mar-15	26-Jun-15	0%				-÷	oneA - Rock Fi	ssue G
		Zone A - Jet Grouting for CP48	72	29-Jan-15	05-May-15	13-May-15	07-Aug-15	0%						Zone A -
No	orth Appro	oach TBM Tunnelling & Cross Passage												
M	lajor Proc	urement												
	TBM at No	orthern Landfall												
	PO103080	S880 - 17.6m dia - TBM - Manufacturing - Cutterhead	198	25-Jan-14	30-Sep-14	25-Jan-14A	25-Nov-14A	100%	S880 -	7.6m dia - TBM -	/anufacturing - Cut	terhead		
	PO103150	S880 - 17.6m dia - TBM - Workshop Assembly	138	07-May-14	20-Oct-14	04-Jun-14A	10-Dec-14A	100%	9	880 - 17.6m dia -	BM - Workshop As	sembly		
	PO103160	S880 - 17.6m dia - TBM - Workshop Acceptance Test	0		20-Oct-14		30-Oct-14A	100%	🔷 S	880 - 17.6m dia - ⁻	BM - Workshop Ac	ceptance Te	st	
	PO103170	S880 - 17.6m dia - TBM - Disassembly and Packing for Transport	32	21-Oct-14	26-Nov-14	01-Nov-14A	10-Dec-14A	100%		S880 -	7.6m dia - TBM - I	Disassembl	and Packing fo	r Transj
	PO103180	S880 - 17.6m dia - TBM - Delivery	10	27-Nov-14	08-Dec-14	10-Dec-14A	18-Dec-14A	100%		588	0 - 17.6m dia - TBI	M- Delivery		
	PO103190	S880 - 17.6m dia - TBM - Arrival to site	0		08-Dec-14		18-Dec-14A	100%		♦ 588	0 - 17.6m dia - TBI	N - Arrival to	site	
	PO103220	S882 - 13.6m dia - TBM - Manufacturing - Cutterhead	198	01-Mar-14	30-Oct-14	01-Mar-14A	10-Dec-14A	100%		S882 - 13.6m di	TBM - Manufactu	uring - Cutte	rhead	
	PO103290	S882 - 13.6m dia - TBM - Workshop Assembly	150	16-Jun-14	11-Dec-14	16-Jun-14A	18-Dec-14A	100%		S8	82 - 13.6m dia - TE	BM - Worksl	op Assembly	
	PO103300	S882 - 13.6m dia - TBM - Workshop Acceptance Test	0		11-Dec-14		18-Dec-14A	100%		🔶 S8	82 - 13.6m dia - TE	3M - Worksl	op Acceptance T	rest
	PO103310	S882 - 13.6m dia - TBM - Disassembly and Packing for Transport	28	12-Dec-14	16-Jan-15	12-Dec-14A	15-Jan-15	46%			S882 - 13	.6m dia - TE	M - Disassemb	ly and F
	PO103320	S882 - 13.6m dia - TBM - Delivery	17	17-Jan-15	02-Feb-15	16-Jan-15	01-Feb-15	0%			588	2 - 13.6m di	a - TBM - Delive	əry
	PO103330	S882 - 13.6m dia - TBM - Arrival to site	0		02-Feb-15		01-Feb-15	0%			🔶 S88	2 - 13.6m di	a - TBM - Arriva	I to site
Ī	Precast Se	egment												
	Precast S	Segment ID12.40 - Production for SB North TBM Tu	nnel											
	A6418020	ID12.40 TBM Segment Ring Fabrication - 6 ring per day	6	29-Oct-14	04-Nov-14	11-Sep-14 A	10-Oct-14A	100%		ID 12.40 TBM 5	egment Ring Fabri	cation - 6 rii	ig per day	
	A6418030	ID12.40 TBM Segment Ring Fabrication - 12 rings per day	15	05-Nov-14	21-Nov-14	11-Oct-14 A	27-Dec-14A	100%		D12.40	BM Segment Ring	Fabrication	12 rings per da	ay
	Slurry Trea	atment Plant											T 	
	A6415400	STP - Factory Testing and Commissioning	6	24-Sep-14	30-Sep-14	24-Sep-14A	20-Nov-14A	100%	STP - F	actory Testing and	Commissioning			
	A6415440	STP - Dismantling, Packaging & Trransport	4	03-Oct-14	07-Oct-14	20-Nov-14A	24-Nov-14A	100%	STP	Dismantling, Pac	aging & Trransport	t		
	A6415450	STP - Shipment to Hong Kong	20	08-Oct-14	30-Oct-14	24-Sep-14A	28-Nov-14A	100%		STP - Shipment	to Hong Kong			
Ì	Hyperbari	c & Saturation				,J								
	A6415140	Shuttle for Hyperbaric Saturation - Fabrication	128	07-May-14	08-Oct-14	21-Jun-14A	29-Nov-14A	100%	Shut	le for Hyperbaric S	aturation - Fabrica	tion	 	
	A6415150	Shuttle for Hyperbaric Saturation - Delivery to TBM Factory	6	09-Oct-14	15-Oct-14	01-Dec-14A	10-Dec-14A	100%	🗖 Sh	uttle for Hyperbari	Saturation - Delive	ery to TBM I	actory	
D	esign Sub	omission									1			
((D7) IFA G	antry Crane Supports/Foundation												
	DD69010	Review & Comment by JV	18	05-Mar-14	25-Mar-14	25-Jul-14A	30-Oct-14A	100%						
	DD69020	Designer prepare IFA	10	26-Mar-14	07-Apr-14	31-Oct-14A	31-Oct-14A	100%					 	
	DD69030	Formal Submission of IFA to ICE/ IPs	0		07-Apr-14		31-Oct-14A	100%						
	DD69040	Advanced Submission to SO	0		07-Apr-14		31-Oct-14A	100%						
	DD69050	IPs/ SO's Advance Comment s/ ICE Comments	28	08-Apr-14	05-May-14	01-Nov-14A	03-Dec-14A	100%	Comments					
	DD69060	Comments Received	0		05-May-14		03-Dec-14A	100%						
	DD69070	Designer to Reply RtC + Update Submission	21	07-May-14	30-May-14	04-Dec-14A	30-Dec-14	90%	date Submission				·	
	DD69080	Submit Updated IFA to SO/ ICE/ IPs	0	31-May-14		23-Jan-15		0%	CE/ IPs					
	DD69090	ICEApproval & Issue Check Cert	12	31-May-14	14-Jun-14	23-Jan-15	05-Feb-15	0%	heck Cert					
	DD69100	IPs Review	28	31-May-14	27-Jun-14	23-Jan-15	19-Feb-15	0%						
	DD69110	IP's No Objection Received	0		27-Jun-14		19-Feb-15	0%	Received					
-	DD69120	SO's Review	35	31-May-14	04-Jul-14	23-Jan-15	26-Feb-15	0%			 		 	
e 6 of	14				1			1		<u> </u>	Date F	Revision	Checked	Appr
ົບປ		Planned Bar								2	I-Feb-14 TMCLK/			W Yu
	THOLK	DWPB 14W51		K - Northern	Connection		nnel Sectio	n 🔼	■酒寶嘉					
): TMCLK_	Planned Milestone		IN NORTHER		I Sub-Sea Tu		″″ 		BOUVOUSE				
ect ID	: TMCLK_					e - Three mon			港貝万市 Dragages HongKong	BOUYGUES TRAVAUX PUBLICS				

	Activity Name	Orig Dur	Planned Start	Planned Finish	Current Start	Current Finish	14W51 % Comp	2014 2015 Sep Oct Nov Dec Jan Feb Mar Apr Mar
	SO Approval with Condition R eceived	0		04-Jul-14		26-Feb-15	0%	n Condition R eceived
	hrust Frame for TBM Launching		10.11				/	
	Designer prepare IFA	10	12-May-14	22-May-14	25-Oct-14A	31-Oct-14A	100%	
	Formal Submission of IFA to ICE/ IPs	0		22-May-14		31-Oct-14A	100%	5E/IPs
	Advanced Submission to SO	0	/ -	22-May-14		31-Oct-14A	100%	
	IPs/ SO's Advance Comments/ ICE Comments	28	23-May-14	19-Jun-14	01-Nov-14A	30-Dec-14	93%	mments/ ICE Comments
	Comments Received	0		19-Jun-14		30-Dec-14	0%	
	Designer to Reply RtC + Update Submission	21	20-Jun-14	15-Jul-14	31-Dec-14	24-Jan-15		Reply RtC + Update Submission
	Submit Updated IFA to SO/ ICE/ IPs	0	16-Jul-14		26-Jan-15			ated IFA to SO/ ICE/ IPs
	ICEApproval & Issue Check Cert	12	16-Jul-14	29-Jul-14	26-Jan-15	07-Feb-15	0%	roval & Issue Check Cert
	IPs Review	28	16-Jul-14	12-Aug-14	26-Jan-15	22-Feb-15	0%	Review
DD69250	IP's No Objection Received	0		12-Aug-14		22-Feb-15	0%	No Objection Received
DD69260	SO's Review	35	16-Jul-14	19-Aug-14	26-Jan-15	01-Mar-15	0%	SO's Review
DD69580	Works Commencement - TBM Launching Thrust Frame Installation	0	12-Dec-14		29-Dec-14*		0%	works Commencement - TBM Launching Thrust F
(G2) DDA f	for TBM Tunnel Lining Settlement Anlysis & Confine	ement Pr	essure - Nort	h Approach				
AN1070	DDANorth TBM Tunnel Lining Settlement Analysis & Confinement Pressure	142	22-Nov-13	23-May-14	22-Nov-13A	20-Nov-14A	100%	Settlement Analysis' <u>& Confinement Pres</u> sure
DD00805	Review & Comment by JV	12	24-May-14	07-Jun-14	21-Nov-14A	30-Dec-14	83%	
DD00810	Designer prepare DDA	12	09-Jun-14	21-Jun-14	31-Dec-14	14-Jan-15	0%	ра
DD00815	Formal Submission of DDA to ICE/ IPs	0		21-Jun-14		14-Jan-15	0%	of DDAto ICE/ IPs
DD00820	Advanced Submission to SO	0		21-Jun-14		14-Jan-15	0%	n to SO
DD00825	IPs/ SO's Advance Comments/ ICE Comments	28	22-Jun-14	19-Jul-14	15-Jan-15	11-Feb-15	0%	ovance Comments/ ICE Comments
DD00830	Comments Received	0		19-Jul-14		11-Feb-15	0%	Received
DD00835	Designer to Reply RtC + Update Submission	21	21-Jul-14	13-Aug-14	12-Feb-15	14-Mar-15	0%	signer to Reply RtC + Update Submission
(G3) DDA f	for TBM Tunnel Internal Structures - North			ļ				
· · · · · · · · · · · · · · · · · · ·	Designer to Reply RtC + Update Submission	21	21-Jun-14	16-Jul-14	09-Aug-14A	19-Nov-14A	100%	Reply Rt0 + Update Submission
	Submit Updated DDA to SO/ ICE/ IPs	0	17-Jul-14		19-Nov-14A			ated DDAto SO/ ICE/ IPs
	IPs Review	28	17-Jul-14	13-Aug-14	19-Nov-14A	19-Dec-14A	100%	Review
	IP's No Objection Received	0		13-Aug-14		19-Dec-14A		No Objection Received
	SO's Review	35	17-Jul-14	20-Aug-14	19-Nov-14A	19-Dec-14A		S NO Delection Received
	SO Approval with Condition R eceived	0		20-Aug-14 20-Aug-14	70 NUV-14A	19-Dec-14A		
			01 500 11	20°749-14	10 Dec 144	13-Det-14A		SO Approval with Condition Received
	Works Commencement - Precast mould Shop Drawing start	0	01-Sep-14		19-Dec-14A		100%	Works Commencement - Precast mould Shop Drawing start
-	W No 15/2005 - TBM Tunnel Works	0		00.00111		01 1 15		
	2nd Submission to GEO	0		29-Oct-14		01-Jun-15	0%	2nd Submission of GEO
	2nd GEO Review	28	30-Oct-14	26-Nov-14	02-Jun-15	29-Jun-15	0%	2nd GEO Review
	for Cross Passage - Permanent works - incl. Detailed							
	Review & Comment by JV	6	24-Oct-14	30-Oct-14	22-Oct-14A	29-Oct-14A	100%	Review & Comment by JV
	Designer prepare DDA	12	31-Oct-14	13-Nov-14	30-Oct-14A	05-Dec-14A	100%	Designer prepare DDA
	Formal Submission of DDAto ICE/ IPs	0		13-Nov-14		05-Dec-14A	100%	Formal Submission of DDA to ICE/ IPs
	Advanced Submission to SO	0		13-Nov-14		05-Dec-14A	100%	Advanced Submission to SO
	IPs/ SO's Advance Comments/ ICE Comments	28	14-Nov-14	11-Dec-14	05-Dec-14A	06-Jan-15	75%	IPs/ SO's Advance Comments/ ICE Comments
	Comments Received	0		11-Dec-14		13-Jan-15	0%	Comments Received
DD67478	Designer to Reply RtC + Update Submission	21	12-Dec-14	08-Jan-15	14-Jan-15	06-Feb-15	0%	Designer to Reply RtC + Update Submiss
DD67488	Submit Updated DDA to SO/ ICE/ IPs	0	09-Jan-15		07-Feb-15		0%	Submit Updated DDA to SO/ ICE/ IPs
DD67498	ICEApproval & Issue Check Cert	12	09-Jan-15	22-Jan-15	07-Feb-15	27-Feb-15	0%	CE Approval & Issue Check Cert
DD67508	Submit ICE Check Cert to SO	6	23-Jan-15	29-Jan-15	28-Feb-15	06-Mar-15	0%	Submit ICE Check Cert to SO
DD67518	IPs Review	28	09-Jan-15	05-Feb-15	07-Feb-15	06-Mar-15	0%	IPs Review
DD67528	IP's No Objection Received	0		05-Feb-15		06-Mar-15	0%	 IP's No Objection Received
DD67609*	SO's Review	35	09-Jan-15	12-Feb-15	07-Feb-15	13-Mar-15	0%	SQ's Review
DD67610	SO Approval with Condition R eceived	0		12-Feb-15		13-Mar-15	0%	SQ Approval with Condition R
(H2) DDA	Temp.works for Cross Passages - North				<u> </u>			
	SO's Review	35	02-Aug-14	05-Sep-14	29-Aug-14A	30-Dec-14	94%	SO's Review
DD06130	SO Approval with Condition R eceived	0		05-Sep-14		30-Dec-14	0%	SO Approval with Condition Received
ETWB TC	N No 15/2005 - Cross Passage Ground Treatment for	r TBM Tı	Innels in Nort	th Landfall	<u> </u>		<u> </u>	
GEO1240	1st Submission to GEO - ETWB TCW No 15/2005 - Cross Passage Ground	0		04-Aug-14		29-Dec-14	0%	bmission to GEO - ETWB TCW No 157005 - Cross Passage Ground Treatment for TBI
	Treatment for TBM Tunnels in North Landfall 1st Submission GEO Review	28	04-Aug-14	31-Aug-14	29-Dec-14	25-Jan-15	0%	1st Submission GEO Review
	Received GEO Comment	0		01-Sep-14		26-Jan-15	0%	Received GEO Comment
	Prepare Response to Comment	12	01-Sep-14	15-Sep-14	26-Jan-15	07-Feb-15	0%	Prepare Response to Comment
	2nd Submission to GEO	0	0, 00p-14	15-Sep-14	U Uai F 1J	07-Feb-15	0%	Prepare Response to Comment Add Submission to GED
	2nd GEO Review	28	16-Sep-14	13-Oct-14	08-Feb-15	07-Feb-15	0%	2nd Submission to GED 2nd GEO Review
		20	10-3ep-14	13-061-14	00-FUD-13	01-1Vial-15	0%	
	atement Submission							
	atement of Construction Methodology of Cross Par	_						
	Preparation Method Statement for CP Excavation	25	03-Jan-15	31-Jan-15	16-Apr-15	15-May-15	0%	Preparation Method Statement for
	Submit Method Statement to SO	0		31-Jan-15		15-May-15	0%	Submit Method Statement to SO
MS1420	SO Reviews & Comments	28	01-Feb-15	28-Feb-15	16-May-15	12-Jun-15	0%	SO Reviews & Commer
Constructio	on							
Northern L	Landfall Surface Setup for TBM operation							
of 14	Planned Bar							Date Revision Checked
								21-Feb-14 TMCLK/DBJ/GEN/PR SPa
			K Northorn	Connection	ι Sub-Sea Τι	Innel Sectio	n l	
D: TMCLK_	 Planned Milestone 		.n - Northen				"" []] ר	港貝茄 Dragagoo
D: TMCLK_ e: 29-Dec-1	 Planned Milestone 				- Three mor			港貝茄 Dragages HongKong was Contruction group

ty ID	Activity Name	Orig	Planned Start	Planned Finish	Current Start	Current	14W51	2014 2015
		Dur	Start	Finish		Finish	% Comp	Sep Oct Nov Dec Jan Feb Mar Apr May
A6415930	Gantry Setup at North TBM Launching Shaft	48	29-Jul-14	23-Sep-14	27-Feb-15	28-Apr-15	0%	Gantry Setup at North TBM Launching Shaft
A6415937	Slurry Treatment Plant Foundation	25	15-Oct-14	12-Nov-14	20-Oct-14A	13-Feb-15	64%	Slutry Treatment Plant Foundation
A6415940	Slurry Treatment Plant Setup at Northern Landfall	64	13-Nov-14	29-Jan-15	20-Nov-14A	16-Apr-15	33%	Slurry Treatment Plant Setup at Norther
A6415950	Slurry Treatment Plant Comm issioning	24	30-Jan-15	05-Mar-15	17-Apr-15	15-May-15	0%	Slurry Treatment Plant Com
	M Assembly at North TBM Launching Shaft	0	00 Dec 14	di Dec 14	00.4=+.15	01 May 15	00/	
NSH1900 NSH1910	S880 - TBM Launching - Front Shield Assembly	3	09-Dec-14 12-Dec-14	11-Dec-14	29-Apr-15	01-May-15	0%	S880 - TBM Launching - Front Shield Assembly
NSH1910	S880 - TBM Launching - Cutterhead Assembly S880 - TBM Launching - Erector Assembly	3	12-Dec-14	14-Dec-14 17-Dec-14	02-May-15 05-May-15	04-May-15 07-May-15	0%	S880 - TBM Launching - Cutterhead Assembly
NSH1920	S880 - TBM Launching - Tail SkinAssembly	3	18-Dec-14	20-Dec-14		10-May-15	0%	SB80 - TBMLaunching - Erector Assembly
NSH1930	S880 - TBM Launching - Main Drive Connection	2	21-Dec-14	20-Dec-14 22-Dec-14	08-May-15 11-May-15	12-May-15	0%	\$880 - TBM Launching - Tail Skin Assembly
NSH1950	S880 - TBM Launching - Main Drive Shifting	2	23-Dec-14	22-Dec-14 24-Dec-14	13-May-15	14-May-15	0%	S880 - TBM Launching - Main Drive Connection
NSH1960	S880 - TBM Launching - Main Drive Thrust Frame Installation	14	25-Dec-14	07-Jan-15	16-May-15	29-May-15	0%	S880 - TBM Launching - Main Drive Shifting
NSH1960	S880 - TBM Launching - Gantry 2Assembly	3	25-Dec-14	27-Dec-14	16-May-15	18-May-15	0%	S880;- TBM Launching - Main Drive Thrust Fran
NSH1903	S880 - TBM Launching - Gantry 1 Assembly	3	23-Dec-14 28-Dec-14	30-Dec-14	19-May-15	21-May-15	0%	S880 - TBM Launching - Garitry 2 Assembly S880 - TBM Launching - Garitry 1 Assembly
NSH1980	S880 - TBM Launching - Gantry 1 & Main Drive connection	3	08-Jan-15	10-Jan-15	30-May-15	01-Jun-15	0%	Status - TBM Launching - Gainty - Assentibly
NSH1990	S880 - TBM Launching - Gantry 2 & Gantry 1 connection	3	11-Jan-15	13-Jan-15	02-Jun-15	04-Jun-15	0%	Soo0 - TBWLaunching - Gantry 7 & Wan Dive
NSH2000	S880 - TBM Launching - Gantry 3 assembly	3	09-Jan-15	11-Jan-15	13-Jan-15	15-Jan-15	0%	S80 - TBM Launching - Gantry 3 assembly
NSH2010	S880 - TBM Launching - Gantry 4 assembly	3	12-Jan-15	14-Jan-15	16-Jan-15	18-Jan-15	0%	S880 - TBM/Launching - Gantry 4 assembly
NSH2010		3	14-Jan-15			07-Jun-15	0%	<u>↓</u> ↓↓↓↓↓↓
NSH2020 NSH2030	S880 - TBM Launching - Gantry 3 & Ganty 2 connection S880 - TBM Launching - Gantry 4 & Ganty 3 connection	3	14-Jan-15	16-Jan-15 19-Jan-15	05-Jun-15 08-Jun-15	10-Jun-15	0%	S880 - TBM Launching - Gantry 3 & Ganty 2 Ganty 3 & Ganty 2 Ganty 3 & Ganty
NSH2030	S880 - TBM Launching - Testing & Commissioning	24	20-Jan-15	19-Jar-15	11-Jun-15	05-Jul-15	0%	
NSH2040	S880 - TBM Launching - Testing & Commissioning S880 - TBM Launching - Segment Ring Installation for Break-in	8	20-Jan-15 13-Feb-15	23-Feb-15	06-Jul-15	13-Jul-15	0%	S880 - TBM Launching- Testing & C
NSH2050	S880 - TBM Launching - Segment Ring installation for Break-in S880 - TBM Launching - Final commissioning & Break-in	10	24-Feb-15	23-Feb-15 05-Mar-15	14-Jul-15	13-Jul-15 24-Jul-15	0%	S880 - TBM Launching - Segme
		IU	24-260-13	00-IVIdF-15	CI -INC-HI	24-Jui-13	0%	S880 - TBM Launching - Fina
	M Assembly at North TBM Launching Shaft 0 S882 - TBM Launching - Front Shield Assembly	3	13-Feb-15	15-Feb-15	06-Jul-15	08-Jul-15	0%	
	S882 - TBM Launching - Front Shield Assembly S882 - TBM Launching - Cutterhead Assembly	3						S882 - TBM Launching - Front Shie
		3	16-Feb-15	18-Feb-15	09-Jul-15	11-Jul-15	0%	\$882 - TBM Launching - Cutterhea
	0 S882 - TBM Launching - Erector Assembly 0 S882 - TBM Launching - Tail Skin Assembly	3	22-Feb-15 25-Feb-15	24-Feb-15 27-Feb-15	12-Jul-15 16-Jul-15	14-Jul-15 18-Jul-15	0%	S882 - TBM Launching - Erector
		3	2J-FUD-13	21-FUD-15	10-JUI-13	10-Jul-10	U%	🔓 S882 - TBM Launching - Tail S
	tilation Building							
	ubmission						_	
(A11) Su GS01730	bmissons to Design Advisory Panel of ArchSD Prepare Re-submission	18	19-May-14	09-Jun-14	22-Jul-14A	30-Dec-14	89%	
GS01730	ArchSD's comment	30	19-14 10-Jun-14	09-Jul-14	31-Dec-14	29-Jan-15	0%	
		30	10-Juli- 14	09-Jul-14	31-Dec-14	29-Jan-15	0%	ment
(II) DDA	for North Vent.Bldgs. GBP & Arch.Submission	18	17-Apr-14	12 May 14	04 Sep 14 A	01-Dec-14A	100%	
DD01200	Review & Comment by JV	24	17-Apr-14 14-May-14	13-May-14 11-Jun-14	04-Sep-14A 02-Dec-14A	03-Dec-14A	100%	& Arch Submission
DD01203	Designer prepare DDA	15	-			09-Dec-14A	100%	
DD01210	Formal Submission of DDAto ICE/ IPs	0	12-Jun-14	28-Jun-14	04-Dec-14A			
DD01213	Advanced Submission to SO	0		28-Jun-14 28-Jun-14		09-Dec-14A 09-Dec-14A	100%	n of DDAto ICE/ IPs
DD01220	IPs/ SO's Advance Comments/ ICE Comments	28	29-Jun-14	26-Jul-14	10-Dec-14A	10-Jan-15	54%	sion to SO
DD01223	Comments Received	0	29-Juli-14	26-Jul-14	10-Dec-14A	17-Jan-15	0%	Advance Comments/ ICE Comments nts Received
DD01235	Designer to Reply RtC + Update Submission	21	28-Jul-14	20-8ug-14	19-Jan-15	11-Feb-15	0%	Designer to Reply RtC + Update Submission
DD01240	Submit Updated DDA to SO/ ICE/ IPs	0	21-Aug-14	207/0314	12-Feb-15		0%	besigner of repy rice + Occare docinitistion
DD01245	ICEApproval & Issue Check Cert	12	21-Aug-14	03-Sep-14	12-Feb-15	04-Mar-15	0%	TCEApproval & Issue Check Cert
DD01245	IPs Review	28	21-Aug-14	17-Sep-14	12-Feb-15	11-Mar-15	0%	IPs Review
DD01255	SO's Review	35	21-Aug-14 21-Aug-14	24-Sep-14	12-Feb-15	18-Mar-15	0%	
			21-Aug-14	24-060-14	12-1 60-10	10-10121-13	078	SO's Review
DD67650	for North & South Vent.Bldg. ABWF works Designer prepare DDA	15	15-Nov-14	02-Dec-14	13-May-15	30-May-15	0%	
DD67658	Formal Submission of DDAto ICE/ IPs	0	10 /10/-14	02-Dec-14	10 Way* 10	30-May-15	0%	Designer preparé DDA
DD67658	Advanced Submission to SO	0		02-Dec-14 02-Dec-14		30-May-15 30-May-15	0%	Formal Submission of DD/Ato ICE/ IPs Advanced Submission to SO
DD67668	Advanced Submission to SU IPs/ SO's Advance Comments/ ICE Comments	28	03-Dec-14	02-Dec-14 30-Dec-14	31-May-15	27-Jun-15	0%	Advanced Submission to SO
DD67688	Comments Received	0	JU-D-00-14	30-Dec-14	51-ividy=13	27-Jun-15	0%	IPs/ SO's Advance Comments/ Comments Received
DD67670	Designer to Reply RtC + Update Submission	21	31-Dec-14	24-Jan-15	29-Jun-15	27-Jun-15 23-Jul-15	0%	Comments Received
DD67688	Submit Updated DDA to SO/ ICE/ IPs	0	26-Jan-15	∪a(F1J	29-Jul-15	20-00i-13	0%	Designer to Reply RtC + Update Submiss
DD67688	ICEApproval & Issue Check Cert	18	26-Jan-15 26-Jan-15	14-Feb-15	24-Jul-15	13-Aug-15	0%	Submit Updated DDAto SO/ ICE/ IPs
DD67698	Submit ICE Check Cert to SO	6	26-Jan-15	28-Feb-15	24-Jui-15	20-Aug-15	0%	ICEApproval & Issue Check Cert
	IPs Review	28		28-Feb-15 22-Feb-15	24-Jul-15	-	0%	Submit/ICE Check Cert to \$O
DD67718 DD67728	IPs Neview IPs No Objection Received	0	26-Jan-15	22-Feb-15 22-Feb-15	CI-INC-4-2	20-Aug-15 20-Aug-15	0%	
DD67728	IP'S NO UDJECIION RECEIVED	35	26-Jan-15	01-Mar-15	24-Jul-15	20-Aug-15 27-Aug-15	0%	IP's No Objection Received SO's Review
	North & South Ventilaiton Buildings - Foundation			GT - Widt - 10	2	2, Aug-13	0 /0	SUS HEVIEW
(12) AIP - AP00635	North & South Ventilation Buildings - Foundation, Designer to Prepare RtC & Updated AIP	/Structural	19-Jun-14	10-Jul-14	06-Oct-14A	03-Nov-14A	100%	epare RtC & Updated AIP
AP00635 AP00640	Submisson of AIP to SO/ ICE together with Reply To Comment (RTC)	0		10-Jul-14	00 OUE 14A	03-Nov-14A	100%	
AP00640 AP00645	Submission of AIP to SO/ ICE together with Reply to Comment (RTC) Reply to IPs Comments in RTC	0		10-Jul-14 10-Jul-14		03-Nov-14A	100%	AIP to SO/ICE together with Reply To Comment (RTC)
AP00645 AP00660	No Objection or Further Minor Comments from IPs Received	0		31-Jul-14		28-Nov-14A	100%	omments in RTC
			नन हिंदी जात		02 Nov 144			
AP00680	SO Review (35 Days)	35	11-Jul-14	14-Aug-14	03-Nov-14A	02-Dec-14A	100%	D Review (35 Days)
AP00685	SO Approval with Condition R eceived	0		14-Aug-14		02-Dec-14A	100%	PApproval with Condition R eceived
8 of 14	Planned Bar							Date Revision Checked Appr 21-Feb-14 TMCLK/DBJ/GEN/PR SPa WYu
ct ID: TMCL	K_ DWPB 14W51 Planned Bar		K - Northam	Connection		nnol Costi-	n .	
	 Planned Milestone 		rx - INORTHER	Connection	n Sub-Sea Tu	IIIII Sectio		港頁品 Dragages BOUYQUES
Data: 00 D	o 14	1						
Date: 29-De	c-14 Progress bar ♦ Progress Milestone	Det	ailed Works	Programme	e - Three mon	ths rolling	A member of the Bouy	Dragages PhongKong gues Construction group gues Construction group

ID	Activity Name	Orig Dur	Planned Start	Planned Finish	Current Start	Current Finish	14W51 % Comp	2014 2015 Sep Oct Nov Dec Jan Feb Mar Apr Ma
	for North Vent.Bldgs.Foundation Design		45 4	04.0	00 D	04.0	10001	
DD01300	Preparation of DDANth VB F oundation design	18	15-Aug-14	04-Sep-14	03-Dec-14A	24-Dec-14A	100%	Preparation of DDANth VB Foundation design
DD01305	Review & Comment by JV	18	05-Sep-14	26-Sep-14	26-Dec-14A	19-Jan-15	11%	Review & Comment by JV
DD01310	Designer prepare DDA	10	27-Sep-14	10-Oct-14	22-Jan-15	02-Feb-15	0%	Designer prepare DDA
DD01315	Formal Submission of DDA to ICE/ IPs	0		10-Oct-14		02-Feb-15	0%	◆ Formal Submission of ODAto ICE/ IPs
DD01320	Advanced Submission to SO	0		10-Oct-14		02-Feb-15	0%	♦ Advanced Submission t SO
DD01325	IPs/SO's Advance Comments/ICE Comments	28	11-Oct-14	07-Nov-14	03-Feb-15	02-Mar-15	0%	IPs/ SO's Advance Comments/ ICE Comments
DD01330	Comments Received	0		07-Nov-14		02-Mar-15	0%	◆ Com/ments Seceived
DD01335	Designer to Reply RtC + Update Submission	21	08-Nov-14	02-Dec-14	03-Mar-15	26-Mar-15	0%	Designer to Reply RtC + Update Submission
DD01340	Submit Updated DDA to SO/ ICE/ IPs	0	03-Dec-14	10.5	27-Mar-15		0%	Sub-it Updated DDAto SO/ ICE/ IPs
DD01345	ICEApproval & Issue Check Cert	12	03-Dec-14	16-Dec-14	27-Mar-15	14-Apr-15	0%	
DD01350	Submit ICE Check Cert to SO	6	17-Dec-14	23-Dec-14	15-Apr-15	21-Apr-15	0%	Submit ICE Check Cert to SO
DD01355	IPs Review	28	03-Dec-14	30-Dec-14	27-Mar-15	23-Apr-15	0%	IPs Review
DD01360	IP's No Objection Received	0		30-Dec-14	07.14	23-Apr-15	0%	IP's No Objection Received
DD01380	SO's Review	35	03-Dec-14	06-Jan-15	27-Mar-15	30-Apr-15	0%	SO's Review
DD01385	SO Approval with Condition R eceived	0		06-Jan-15		30-Apr-15	0%	SO Approval with Condition R eceived
	for North Vent.Bldgs.Structural Design incl.Vent.Co			06.0+++1	Of Dec 44	01 1-2 15	001	
DD68008	Preparation of DDANth VB Structural Design incl Vent conn	18	05-Sep-14	26-Sep-14	31-Dec-14	21-Jan-15	0%	Preparation of DDANth VB Structural Design incl Vent conn
DD68018	Review & Comment by JV	18	27-Sep-14	20-Oct-14	22-Jan-15	11-Feb-15	0%	Review & Comment by JV
DD68020	Designer prepare DDA	10	21-Oct-14	31-Oct-14	12-Feb-15	02-Mar-15	0%	Designer prepare DDA
DD68028	Formal Submission of DDA to ICE/ IPs	0		31-Oct-14		02-Mar-15	0%	Formal Submission of DDA(to ICE/ IPs
DD68030	Advanced Submission to SO	0	OT NES 11	31-Oct-14	00 14	02-Mar-15	0%	Advanced Subart ssion to SQ
DD68038	IPs/ SO's Advance Comments/ ICE Comments	28	01-Nov-14	28-Nov-14	03-Mar-15	30-Mar-15	0%	IPs/ SO's Advance/Commerits/ ICE Comments
DD68040	Comments Received	0	20 Nov 14	28-Nov-14	Of Mar 15	30-Mar-15	0%	Connents Received
DD68048	Designer to Reply RtC + Update Submission	21	29-Nov-14	23-Dec-14	31-Mar-15	28-Apr-15	0%	
DD68058	Submit Updated DDAto SO/ ICE/ IPs	0	24-Dec-14	00 1- 1-	29-Apr-15	10.11- 17	0%	Submit Updated DDA to SO/ ICE/ IPs
DD68068	ICEApproval & Issue Check Cert	12	24-Dec-14	09-Jan-15	29-Apr-15	13-May-15	0%	
DD68078	Submit ICE Check Cert to SO	6	10-Jan-15	16-Jan-15	14-May-15	20-May-15	0%	Submit ICE Check Cert to SO
DD68088	IPs Review IPs No Objection Received	28	24-Dec-14	20-Jan-15 20-Jan-15	29-Apr-15	26-May-15	0%	IPs Review
DD68098	IP's No Objection Received SO's Review	35	24-Dec-14	20-Jan-15 27-Jan-15	20. Apr 15	26-May-15 02-Jun-15	0%	↓ iP's No Objection Received
DD68210	SO'S Review SO Approval with Condition R eceived	0	271D50-14	27-Jan-15 27-Jan-15	29-Apr-15	02-Jun-15	0%	SO's Review
				Ci -Jdi F I J		o⊵-JuiF 10	0%	SUApproval with Condition Receiv
(I3) DDA	for North & South Vent.Bldgs. Service and E&M Pro	18	12-Sep-14	04-Oct-14	22-Aug-14A	30-Dec-14	89%	Preparation of DDANth VE Service and E&MS Provision
DD01605	Review & Comment by JV	24	06-Oct-14	04-Oct-14 01-Nov-14	31-Dec-14	28-Jan-15	0%	Review & Comment by JV
DD01605	Designer prepare DDA	15	03-Nov-14	19-Nov-14	29-Jan-15	14-Feb-15	0%	Review & Comment by JV Designer prepare DDA
DD01615	Formal Submission of DDA to ICE/ IPs	0		19-Nov-14		14-Feb-15	0%	➡ Designer Depare DDA ◆ Formal Symphission of DDA to (CE/ IPs)
DD01613	Advanced Submission to SO	0		19-Nov-14		14-Feb-15	0%	➡ Formal Sumission of DDAto (CE) ins ▲ Advance Submission to SO
DD01625	IPs/ SO's Advance Comments/ ICE Comments	28	20-Nov-14	17-Dec-14	15-Feb-15	14-Mar-15	0%	Advance odurinission to SO Fs/ SO's Advance Comments / ICE Comments
DD01630	Comments Received	0		17-Dec-14		14-Mar-15	0%	Comments Received
DD01635	Designer to Reply RtC + Update Submission	21	18-Dec-14	14-Jan-15	16-Mar-15	13-Apr-15	0%	Designer to Reply RtQ + Update Submi
DD01640	Submit Updated DDA to SO/ ICE/ IPs	0	15-Jan-15		14-Apr-15		0%	Submit Updated DDAto SO/ ICE/ IPs
DD01645	ICEApproval & Issue Check Cert	12	15-Jan-15	28-Jan-15	14-Apr-15	27-Apr-15	0%	ICEApproval & Issue Check Cert
DD01650	Submit ICE Check Cert to SO	6	29-Jan-15	04-Feb-15	28-Apr-15	05-May-15	0%	Submit ICE Check Cert to SO
DD01655	IPs Review	28	15-Jan-15	11-Feb-15	14-Apr-15	11-May-15	0%	
DD01660	IP's No Objection Received	0		11-Feb-15		11-May-15	0%	 IP's No Objection Received
DD01665	SO's Review	35	15-Jan-15	18-Feb-15	14-Apr-15	18-May-15	0%	\$0's Review
DD01670	SO Approval with Condition R eceived	0		18-Feb-15		18-May-15	0%	SO Approval with Cohdition
(J1) AIP 1	Femp.works for Construction of Nth.Vent.Bldg.							
AP01825	Review & Comment by SO/ ICE/ IPs	28	27-Jun-14	24-Jul-14	27-Sep-14A	03-Dec-14A	100%	Comment by SO/ IOE/ IPs
AP01830	Advance Commants from SO/ Commants from ICE/ IPs Received	0		24-Jul-14		03-Dec-14A	100%	Commants from SO/ Comments from ICE/ IPs Received
AP01835	Designer to Prepare RtC & Updated AIP	18	25-Jul-14	14-Aug-14	04-Dec-14A	10-Dec-14A	100%	ssigner to Prepare RtC & Updated AIP
AP01840	Submisson of AIP to SO/ ICE together with Reply To Comment (RTC)	0		14-Aug-14		10-Dec-14A	100%	bmisson of AIP to SQ/ ICE together with Reply To Comment (RTC)
AP01845	Reply to IPs Comments in RTC	0		14-Aug-14		10-Dec-14A	100%	ply to IPs Comments in RTC
AP01850	ICEApproval & Issue of Design Check Cert.	18	15-Aug-14	04-Sep-14	21-Oct-14A	03-Dec-14A	100%	ICE Approval & Issue of Design Check Cert.
AP01855	Check Cert to SO	0		04-Sep-14		03-Dec-14A	100%	Check Cert to SO
AP01860	No Objection or Further Minor Comments from IPs Received	0		04-Sep-14		03-Dec-14A	100%	No Objection or Further Minor Comments from IPs Received
AP01880	SO Review (35 Days)	35	15-Aug-14	18-Sep-14	10-Dec-14A	17-Jan-15	43%	SO Review, (35 Days)
AP01885	SO Approval with Condition R eceived	0		18-Sep-14		23-Jan-15	0%	SO Approval with Condition Deceived
	Temp.works for Construction of Nth.Vent.Bldg.							
DD04380	Preparation of DDANth VB & Trench ELS	18	19-Sep-14	11-Oct-14	24-Jan-15	13-Feb-15	0%	Preparation of DDANth VB & Trench ELS
DD04390	Review & Comment by JV	18	13-Oct-14	01-Nov-14	14-Feb-15	13-Mar-15	0%	Review & Comment by JV
DD04400	Designer prepare DDA	10	03-Nov-14	13-Nov-14	14-Mar-15	25-Mar-15	0%	Designer prepare DDA,
DD04410	Formal Submission of DDAto ICE/ IPs	0		13-Nov-14		25-Mar-15	0%	Formal Submission of DDA to ICE/ IPs
DD04420	Advanced Submission to SO	0		13-Nov-14		25-Mar-15	0%	Advanced Supmission to SO
	IPs/ SO's Advance Comments/ ICE Comments	28	14-Nov-14	11-Dec-14	26-Mar-15	22-Apr-15	0%	IPs SO's Advance Comments/ ICE Comments
DD04430								Date Revision Checked
	Discussed Day	1					1	21-Feb-14 TMCLK/DBJ/GEN/PR SPa
DD04430 of 14	Planned Bar							
of 14	C_DWPB 14W51 Planned Bar	TMCL	_K - Northerr	n Connectio	n Sub-Sea Tu	nnel Sectio	on 🛌	
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Jpdated DDA to SO/ ICE/ IPs roval & Issue Check Cert CE Check Cert to SO ew Dejection Received view oval with Condition R eceived mp.Support for Excavation >2m depth ion of IFA Misc Temp Support for Excavation >2m depth & Comment by JV r prepare IFA Submission of IFA to ICE/ IPs	0 12 6 28 0 35 0 35 0 18 18 18 18	22-Nov-14 22-Nov-14 06-Dec-14 22-Nov-14 22-Nov-14 13-Dec-14	05-Dec-14 12-Dec-14 19-Dec-14 19-Dec-14 26-Dec-14	27-Mar-15 27-Mar-15 15-Apr-15	14-Apr-15		
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ew Dbjection Received view oval with Condition Received mp.Support for Excavation >2m depth ion of IFA Misc Temp Support for Excavation >2m depth & Comment by JV r prepare IFA Submission of IFA to ICE/ IPs	28 0 35 0 18 18 18 18	22-Nov-14 22-Nov-14 13-Dec-14	19-Dec-14 19-Dec-14 26-Dec-14			0%	
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oval with Condition R eceived mp.Support for Excavation >2m depth ion of IFA Misc Temp Support for Excavation >2m depth & Comment by JV r prepare IFA Submission of IFA to ICE/ IPs	0 18 18 18 10	13-Dec-14		07.11	23-Apr-15	0%	P's No Objection Received
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ion of IFA Misc Temp Support for Excavation >2m depth & Comment by JV r prepare IFA Submission of IFA to ICE/ IPs	18		500 14		30-Apr-15	0%	SO Approval with Condition Received
& Comment by JV r prepare IFA Submission of IFA to ICE/ IPs	18			1			
r prepare IFA Submission of IFA to ICE/ IPs	10	07-Jan-15	06-Jan-15	19-Mar-15	13-Apr-15	0%	Preparation of IFA Misc Temp Support for Exclav
Submission of IFA to ICE/ IPs		57 Ual 13	27-Jan-15	14-Apr-15	05-May-15	0%	Review & Comment by JV
	0	28-Jan-15	07-Feb-15	06-May-15	16-May-15	0%	Designer prepare IFA
d Submission to SO			07-Feb-15		16-May-15	0%	◆ Formal Submission of IFA to ICE/ IPs
	0		07-Feb-15		16-May-15	0%	Advanced Submission to SO
s Advance Comments/ ICE Comments	28	08-Feb-15	07-Mar-15	17-May-15	13-Jun-15	0%	IPs/ \$O's Advance Commer
ary support and dewatering measures for Ver	nt Duct E	LS design for	r Northern La	ndfall			
AIP Temp Support & Dewatering measures for Vent Duct ELS at Landfall	18	09-Dec-14	31-Dec-14	23-Jul-15	12-Aug-15	0%	Prepare AIP Temp Support & Dewatering measure
& Comment by JV	18	02-Jan-15	22-Jan-15	13-Aug-15	02-Sep-15	0%	Review & Comment by JV
r prepare AIP	10	23-Jan-15	03-Feb-15	03-Sep-15	14-Sep-15	0%	Designer prepare AIP
Submission of DDA to ICE/ IPs	0		03-Feb-15		14-Sep-15	0%	Formal Submission of DDA to ICE/IPs
d Submission to SO	0		03-Feb-15		14-Sep-15	0%	Advanced Submission to SO
s Advance Comments / ICE Comments	28	04-Feb-15	03-Mar-15	15-Sep-15	12-Oct-15	0%	IPs/ SO's Advance Comment
adworks, Utility & Drainage works	1			1			
on							
affic Sign, Road Marking, Street Furnitures, S	ign Gant	ry & etc					
& Comment by JV	18	15-Sep-14	07-Oct-14	17-Oct-14A	28-Nov-14A	100%	Review & Comment by V
r prepare DDA	10	08-Oct-14	18-Oct-14	29-Nov-14A	12-Dec-14A	100%	Designer prepare DDA
Submission of DDA to ICE/ IPs	0		18-Oct-14		12-Dec-14A	100%	Formal Submission of DDAto ICE/ IPs
d Submission to SO	0		18-Oct-14		12-Dec-14A	100%	Advanced Submission to SO
s Advance Comment s/ ICE Comments	28	19-Oct-14	15-Nov-14	12-Dec-14A	10-Jan-15	54%	IPs/ SO's Advance Comments/ ICE Comments
nts Received	0		15-Nov-14		17-Jan-15	0%	
r to Reply RtC + Update Submission	21	17-Nov-14	10-Dec-14	19-Jan-15	11-Feb-15	0%	Designer to Reply RtC + Update Submission
Jpdated DDA to SO/ ICE/ IPs	0	11-Dec-14		12-Feb-15		0%	Sponit Updated DDAto SO/ ICE/IPs
oval & Issue Check Cert	12	11-Dec-14	24-Dec-14	12-Feb-15	04-Mar-15	0%	ICE Approval & Issue Check Cert
CE Check Cert to SO	6	27-Dec-14	03-Jan-15	05-Mar-15	11-Mar-15	0%	Submit ICE Check Cert to SO
view	35	11-Dec-14	14-Jan-15	12-Feb-15	18-Mar-15	0%	SQ's Review
oval with Condition R eceived	0		14-Jan-15		18-Mar-15	0%	SQ Approval with Condition R eceived
	for North	h Landfall					
& Comment by JV	18	14-Aug-14	03-Sep-14	10-Oct-14A	28-Nov-14A	100%	Review & Comment by JV
r prepare DDA	10	04-Sep-14	16-Sep-14	29-Nov-14A	12-Dec-14A	100%	Designer prepare DDA
Submission of DDA to ICE/ IPs							◆ Formal Submission of DDA to CE/IPs
d Submission to SO	-		•				Advanced Submission to SO
s Advance Comments/ ICE Comments		17-Sen-1/	-	12-Dec-1/1			Pis/ SO's Advance Comments/ ICE Comments
		17 Oop" 14		12 DOUT 14A			
		15 Oct 14		10 Jan 15			Comments Received
nts Received			U7-INOV-14		11-160-15		Designer to Reply RtC + Update Submission
nts Received r to Reply RtC + Update Submission							◆ Submit Upped DDA to SO/ ICE/ IPs
nts Received r to Reply RtC + Update Submission Jpdated DDAto SO/ ICE/ IPs		08-Nov-14		12-Feb-15		0%	ICE Approval & Issue Check Cert
nts Received r to Reply RtC + Update Submission Jpdated DDA to SO/ ICE/ IPs roval & Issue Check Cert	6	22-Nov-14	28-Nov-14	05-Mar-15	11-Mar-15	0%	Submit ICE Check Cert to SO
nts Received r to Reply RtC + Update Submission Jpdated DDA to SO/ ICE/ IPs roval & Issue Check Cert CE Check Cert to SO	28	08-Nov-14	05-Dec-14	12-Feb-15	11-Mar-15	0%	IPs Review
nts Received r to Reply RtC + Update Submission Jpdated DDA to SO/ ICE/ IPs roval & Issue Check Cert CE Check Cert to SO ew			05-Dec-14		11-Mar-15	0%	Objection Received
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nts Received r to Reply RtC + Update Submission Jpdated DDA to SO/ ICE/ IPs roval & Issue Check Cert CE Check Cert to SO ew	0		-				21-Feb-14 TMCLK/DBJ/GEN/PR SPa WYu
nts Received r to Reply RtC + Update Submission Jpdated DDA to SO/ ICE/ IPs roval & Issue Check Cert CE Check Cert to SO ew Dbjection Received Planned Bar Ringmod Bar			Connection		unnel Sectior	1	
nts Received r to Reply RtC + Update Submission Jpdated DDA to SO/ ICE/ IPs roval & Issue Check Cert CE Check Cert to SO ew Dbjection Received Planned Bar		K - Northerr		i Sub-Sea Ti			· 港寶嘉 Dragages Reverse
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werag & Comm r prepar Submiss d Subm	ge, Drainage, Waterworks & Utility works ment by JV re DDA sion of DDA to ICE/ IPs iission to SO ce Comments/ ICE Comments eived ly RtC + Update Submission IDDA to SO/ ICE/ IPs lssue Check Cert	ge, Drainage, Waterworks & Utility works for Nort nent by JV 18 re DDA 10 sion of DDA to ICE/ IPs 0 iission to SO 0 ce Comments/ ICE Comments 28 reived 0 bly RtC + Update Submission 21 IDDA to SO/ ICE/ IPs 0 Issue Check Cert 12 ack Cert to SO 6 an Received 0	ge, Drainage, Waterworks & Utility works for North Landfall nent by JV 18 14-Aug-14 nent by JV 10 04-Sep-14 sion of DDA to ICE/ IPs 0 0 nission to SO 0 0 ce Comments/ ICE Comments 28 17-Sep-14 reived 0 0 veived 0 0 veived 0 0 IDDA to SO/ ICE/ IPs 0 08-Nov-14 ISsue Check Cert 12 08-Nov-14 Issue Check Cert 28 08-Nov-14 an Received 0 0	ge, Drainage, Waterworks & Utility works for North Landfall ment by JV 18 14-Aug-14 03-Sep-14 re DDA 10 04-Sep-14 16-Sep-14 sion of DDA to ICE/ IPS 0 16-Sep-14 ission to SO 0 16-Sep-14 ce Comments/ ICE Comments 28 17-Sep-14 14-Oct-14 veived 0 14-Oct-14 07-Nov-14 Aly RtC + Update Submission 21 15-Oct-14 07-Nov-14 IDDA to SO/ ICE/ IPS 0 08-Nov-14 21-Nov-14 Issue Check Cert 12 08-Nov-14 21-Nov-14 Issue Check Cert 28 08-Nov-14 05-Dec-14 m Received 0 05-Dec-14 05-Dec-14	ge, Drainage, Waterworks & Utility works for North Landfall ment by JV 18 14-Aug-14 03-Sep-14 10-Oct-14A re DDA 10 04-Sep-14 16-Sep-14 29-Nov-14A sion of DDA to ICE/ IPs 0 16-Sep-14 16-Sep-14 29-Nov-14A sission to SO 0 16-Sep-14 12-Dec-14A re version of DDA to ICE/ IPs 0 16-Sep-14 12-Dec-14A sission to SO 0 16-Sep-14 12-Dec-14A reversion of DDA to ICE/ IPs 0 14-Oct-14 12-Dec-14A reversion 0 11-Sep-14 14-Oct-14 12-Dec-14A reversion 0 11-Soct-14 07-Nov-14 19-Jan-15 IDDA to SO/ ICE/ IPs 0 08-Nov-14 21-Nov-14 12-Feb-15 Issue Check Cert 12 08-Nov-14 21-Nov-14 12-Feb-15 Issue Check Cert 28 08-Nov-14 05-Dec-14 12-Feb-15 In Received 0 05-Dec-14 12-Feb-15 14-Dec-14 In Received 0 05-Dec-14 12-Feb-15 14-Dec-14 In R	ge, Drainage, Waterworks & Utility works for North Landfall ment by JV 18 14-Aug-14 03-Sep-14 10-Oct-14A 28-Nov-14A re DDA 10 04-Sep-14 16-Sep-14 29-Nov-14A 12-Dec-14A sion of DDA to ICE/ IPs 0 16-Sep-14 29-Nov-14A 12-Dec-14A sission to SO 0 16-Sep-14 12-Dec-14A 12-Dec-14A ce Comments/ ICE comments 28 17-Sep-14 14-Oct-14 12-Dec-14A ce Comments/ ICE comments 28 17-Sep-14 14-Oct-14 10-Jan-15 eived 0 15-Oct-14 07-Nov-14 19-Jan-15 11-Feb-15 IDDA to SO/ ICE/ IPs 0 08-Nov-14 12-Feb-15 04-Mar-15 IDDA to SO/ ICE/ IPs 0 08-Nov-14 21-Nov-14 12-Feb-15 IDDA to SO/ ICE/ IPs 0 08-Nov-14 21-Nov-14 12-Feb-15 11-Mar-15 IDDA to SO/ ICE/ IPs 0 08-Nov-14 28-Nov-14 26-Mar-15 11-Mar-15 issue Check Cert 12 08-Nov-14 05-Dec-14 12-Feb-15 11-Mar-15 in Received	Ge, Drainage, Waterworks & Utility works for North Landfall nent by JV 18 14-Aug-14 03-Sep-14 10-Oct-14A 28-Nov-14A 100% re DDA 10 04-Sep-14 16-Sep-14 29-Nov-14A 12-Dec-14A 100% sion of DDA to ICE/ IPs 0 10 04-Sep-14 16-Sep-14 29-Nov-14A 12-Dec-14A 100% sison of DDA to ICE/ IPs 0 16-Sep-14 12-Dec-14A 100% ce Comments/ ICE Comments 28 17-Sep-14 14-Oct-14 12-Dec-14A 100% ce Comments/ ICE Comments 28 17-Sep-14 14-Oct-14 12-Dec-14A 100% eived 0 14-Oct-14 12-Dec-14A 100% 100% 100% alge RC + Update Submission 21 15-Oct-14 14-Oct-14 12-Dec-15 0% 0% IDDA SO/ ICE/ IPs 0 08-Nov-14 07-Nov-14 19-Jan-15 0% 0% 0% IDDA to SO/ ICE/ IPs 0 08-Nov-14 21-Nov-14 12-Feb-15 04-Mar-15 0% Issue Check Cert 28 08-Nov-14 28-Nov-14 </td

		Activity Name	Orig	Planned	Planned	Current Start	Current	14W51	0011
			Dur	Start	Finish		Finish	% Comp	2014 2015 Sep Oct Nov Dec Jan Feb Mar Apr May .
	D02165	SO's Review	35	08-Nov-14	12-Dec-14	12-Feb-15	18-Mar-15	0%	SØS Review
	D02170	SO Approval with Condition R eceived	0		12-Dec-14		18-Mar-15	0%	Approval with Condition Received
		nnel M Tunnelling							
		urement							
-	381 -								
PC	O103430	S881 - 13.6m dia - TBM - WorkshopAssembly	70	02-Feb-15	06-May-15	12-May-15	04-Aug-15	0%	S881-1
Pro	recast Se	emgnet ID12.40 - Prodcution for Sub-sea TBM Tunne	I			I I		<u> </u>	
Ae	6418040	ID 12.40 TBM Segment Ring Fabrication - 12 rings per day	300	22-Nov-14	19-Dec-15	29-Dec-14	23-Feb-16	0%	
Des	sign Sub	omission							
	-	nd Investigation Report - Phase 2 - Northern Landfal			20 1 11			0764	
	\$S00960 \$S00970	Preparation of Ground Investigation Report - Phase 2 - Northern Landfall & Tunnel *1st Submission	43	02-May-14	23-Jun-14 23-Jun-14	06-Jun-14A	30-Dec-14 30-Dec-14	95%	hd Investigation Report - Phase 2 - Northern Landfall & Tunnel
	iS00970	SO's Comments for 1st Submission	35	24-Jun-14	23-Jul-14	31-Dec-14	03-Feb-15	0%	mments for 1st Submission
	S00990	Prepare Re-submission	10	29-Jul-14	08-Aug-14	04-Feb-15	14-Feb-15	0%	are Re-submission
G	S00992	*2nd Submission	0		08-Aug-14		14-Feb-15	0%	Submission
G	S00994	SO's Condition Approval	35	09-Aug-14	12-Sep-14	15-Feb-15	21-Mar-15	0%	SQ's Condition Approvat
(В	86) Risk	Assessment of Submarine Cable - Tunnelling Works				I		<u> </u>	
G	S01400	Preparation of Risk Assessm ent of Submarine cables - Tunnelling Works	24	12-Dec-14	12-Jan-15	14-Apr-15	12-May-15	0%	Preparation of Risk Assessm ent of Submarine
G	S01405	1st Submission	0		12-Jan-15		12-May-15	0%	◆ 1st Submission
	S01410	SO's Comments for 1st Submission	35	13-Jan-15	16-Feb-15	13-May-15	16-Jun-15	0%	SO's Comments for 1st Submissio
	S01420	CLP Review (4 weeks)	28	16-Jan-15	12-Feb-15	16-May-15	12-Jun-15	0%	CLP Review (4 weeks)
	S01425	CLP Comment Received	0		12-Feb-15	17 1	12-Jun-15	0%	CLP Commènt Received
	S01430	Prepare Re-submission	12	17-Feb-15	09-Mar-15	17-Jun-15	02-Jul-15	0%	Prepare Re-submission
	61) IFA fo	or Structural Health Monitoring System for TBM Tunn IPs/ SO's Advance Comments/ ICE Comments	1 el 28	08-Apr-14	05-May-14	14-Jun-14A	12-Dec-14A	100%	Comments
	D71010	Designer to Reply RtC + Update Submission	21	07-May-14	30-May-14	13-Dec-14A	23-Dec-14A	100%	date Submission
	D71020	Submit Updated IFA to SO/ ICE/ IPs	0	31-May-14		23-Dec-14A		100%	CE/IPs
DI	D71030	ICEApproval & Issue Check Cert	12	31-May-14	14-Jun-14	13-Jun-14A	22-Jan-15	80%	heck Cert
DI	D71040	Submit ICE Check Cert to SO	6	16-Jun-14	21-Jun-14	23-Jan-15	29-Jan-15	0%	ert to SO
DI	D71050	IPs Review	28	31-May-14	27-Jun-14	21-Jan-15	17-Feb-15	0%	
DI	D71060	IP's No Objection Received	0		27-Jun-14		17-Feb-15	0%	Received
DI	D71070	SO's Review	35	31-May-14	04-Jul-14	21-Jan-15	24-Feb-15	0%	
DI	D71080	SO Approval with Condition R eceived	0		04-Jul-14		26-Feb-15	0%	n Condition R eceived
DI	D71200	TBM Segment Mould Acceptance & Trial	0	11-Jul-14		26-Feb-15		0%	Mould Acceptance & Trial
		for TBM Tunnel Lining Structural Design - Sub-sea to						10001	
	D6570	IPs Review IP's No Objection Received	28 0	01-Aug-14	28-Aug-14 28-Aug-14	17-Oct-14A	11-Nov-14 A 11-Nov-14 A	100%	IPs No Description
	D6630	SO's Review	35	01-Aug-14	04-Sep-14	17-Oct-14A	11-Nov-14 A	100%	IP's No Dejection Received
	D6640	SO Approval with Condition R eceived	0		04-Sep-14		11-Nov-14 A	100%	SOApproval with Condition Received
	D6660	Sub-sea TBM Tunnel Segment - Precast Mould Fabrication	24	05-Sep-14	06-Oct-14	12-Nov-14A	12-Dec-14A	100%	Sub-sea TBM Tunnal Segment - Precast Mould Fabrication
DI	D6670	Sub-sea TBM Tunnel Segment - Fabrication	265	07-Oct-14	31-Aug-15	29-Dec-14	23-Nov-15	0%	
(G	i1) DDA i	for TBM Tunnel Lining Settlement Anlysis & Confine	ment Pr	essure - Sub-	sea tunnel	<u> </u>			
A	N 1150	DDASettlement Analysis & Confinement Pressure for Sub-sea Tunnel	246	21-Nov-13	24-Sep-14	21-Nov-13A	02-Jan-15	98%	DDA Settlement Analysis & Confinement Pressure for Sub-sea Tunnel
DI	D6690	Preparation of DDATBM Confinement - Sub-sea tunnel	0	25-Sep-14	25-Sep-14	03-Jan-15	03-Jan-15	0%	Preparation of DDATBM Confinement - Sub-sea tunnel
	D6700	Review & Comment by JV	12	25-Sep-14	10-Oct-14	03-Jan-15	16-Jan-15	0%	Review & Comment by JV
	D6705	Designer prepare DDA	12	11-Oct-14	24-Oct-14	17-Jan-15	30-Jan-15	0%	Designer prepare DDA
	D6710	Formal Submission of DDAto ICE/ IPs	0		24-Oct-14		30-Jan-15	0%	♦ Formal Submission of DDAtd ICE/ IPs;
	D6715	Advanced Submission to SO IPs/ SO's Advance Comments/ ICE Comments	0 28	25-Oct-14	24-Oct-14 21-Nov-14	31-Jan-15	30-Jan-15 27-Feb-15	0%	Advanced Submission to SO
	D6720	IPs/ SU's Advance Comments/ ICE Comments Comments Received	0	2J-UU-14	21-Nov-14 21-Nov-14	GI-IB	27-Feb-15 27-Feb-15	0%	IPs/ SO's Advance Comments/ ICE Comments Comments Received
	D6730	Designer to Reply RtC + Update Submission	21	22-Nov-14	16-Dec-14	28-Feb-15	24-Mar-15	0%	Commiss Received Designer to Reply RtC + Update Submission
	D6740	Submit Updated DDA to SO/ ICE/ IPs	0	17-Dec-14		25-Mar-15		0%	ubmit Updated DDAto SO/ ICE/ IPs
	D6750	ICEApproval & Issue Check Cert	12	17-Dec-14	02-Jan-15	25-Mar-15	11-Apr-15	0%	ICE Approval & Issue Check Cert
DI	D6760	Submit ICE Check Cert to SO	6	03-Jan-15	09-Jan-15	13-Apr-15	18-Apr-15	0%	Submit ICE Check Cert to SO
DI	D6770	IPs Review	28	17-Dec-14	13-Jan-15	25-Mar-15	21-Apr-15	0%	IPs Review
DI	D6780	IP's No Objection Received	0		13-Jan-15		21-Apr-15	0%	IPs No Objection Received
DI	D6830	SO's Review	35	17-Dec-14	20-Jan-15	25-Mar-15	28-Apr-15	0%	SO's Review
	D6840	SO Approval with Condition R eceived	0		20-Jan-15		28-Apr-15	0%	SO Approval with Condition Received
		for TBM Tunnel Internal Structures (Sub-sea)			10.5			/	
	D00905	Review & Comment by JV	14	25-Aug-14	10-Sep-14	28-Aug-14A	15-Nov-14A	100%	Review & Comment by JV
	D00910	Designer prepare DDA Formal Submission of DDA to ICE/ IPs	12 0	11-Sep-14	24-Sep-14 24-Sep-14	15-Nov-14A	21-Nov-14A 21-Nov-14A	100%	Designer, prepare DDA Formal Submission of DDA o ICE/ IPs
	D00915	Advanced Submission to SO	0		24-Sep-14		21-Nov-14A	100%	Advanced Submission to So
	D00925	IPs/ SO's Advance Comments/ ICE Comments	28	25-Sep-14	22-Oct-14	21-Nov-14A	30-Dec-14	93%	Ps/ SO's Advance Comments ICE Comments
וח	D00930	Comments Received	0		22-Oct-14		30-Dec-14	0%	Comments Received
								· · ·	Date Revision Checked Appr
DI	1.4							1	
DI e 11 of		Planned Bar							21-Feb-14 TMCLK/DBJ/GEN/PR SPa WYu
DI e 11 of		DWPB 14W51 Planned Bar Planned Bar Planned Bar Planned Milestone	TMCL	K - Northern	n Connectior	n Sub-Sea Tu	nnel Sectio	n 🔽	21-Feb-14 TMCLK/DBJ/GEN/PR SPa WYu 種寶嘉
e 11 of ect ID: ⁻		DWPB 14W51 Planned Bar Planned Milestone				n Sub-Sea Tu e - Three mon		n	21-Feb-14 TMCLK/DBJ/GEN/PR SPa WYu

ty ID	Activity Name	Orig Dur	Planned Start	Planned Finish	Current Start	Current Finish	14W51 % Comp	
DD00935	Designer to Reply RtC + Update Submission	21	23-Oct-14	15-Nov-14	31-Dec-14	24-Jan-15	0%	Sep Oct Nov Dec Jan Feb Mar Apr May Designer to Reply RtC + Update Submission
DD00933	Submit Updated DDA to SO/ ICE/ IPs	0	17-Nov-14		26-Jan-15		0%	 Submit Conducted DDA to SO/ ICE/ IPs
DD00945	ICEApproval & Issue Check Cert	12	17-Nov-14	29-Nov-14	26-Jan-15	07-Feb-15	0%	GLAD CONTRACT CO
DD00950	Submit ICE Check Cert to SO	6	01-Dec-14	06-Dec-14	09-Feb-15	14-Feb-15	0%	
DD00955	IPs Review	28		14-Dec-14		22-Feb-15	0%	Subbritit ICE Check Cert to SO
			17-Nov-14		26-Jan-15			IPs Review
DD00960	IP's No Objection Received	0	47 No. 44	14-Dec-14	00 100 45	22-Feb-15	0%	s No Objecțion Received
DD00980	SO's Review	35	17-Nov-14	21-Dec-14	26-Jan-15	01-Mar-15	0%	SO's Reviệw
DD00985	SO Approval with Condition R eceived	0		22-Dec-14		02-Mar-15	0%	SO Approval with Condition R eceived
DD00995	Sub-sea Internal Structure - Precast Gallary Mould Design & Fabrication	24	22-Dec-14	21-Jan-15	02-Mar-15	28-Mar-15	0%	Sub-sea Internal Structure - Priecast Galla
DD01015	Sub-sea Tunnel - Precast Gallery Fabrication	244	22-Jan-15	21-Nov-15	30-Mar-15	23-Jan-16	0%	
_Sub-sea T _	unnel Cross Passage & Internal Structure							
Design S	Submission							
(G4) DD	A for Cross Passage - Permanent works - incl. Geotec	hnical As	sessment - S	ub-sea tunne	el			
AN 1175	Lab Test Result from Phase 2 GI	0		01-Dec-14		30-Nov-14A	100%	Lab Test Result from Phase 2 GI
AN 1180	Early DDASub-sea Cross Passage Lining & CPOpening	151	03-Jun-14	29-Nov-14	03-Jun-14A	30-Dec-14	99%	Early DDASub-sea Cross Passage Lining & CP Opening
DD01100	Preparation of DDACross Passage incl. Detailed Geotechnical Assessment	0	01-Dec-14	01-Dec-14	31-Dec-14	31-Dec-14	0%	Preparation of DDACross Passage incl. Detailed Geotech
DD01105	Review & Comment by JV	6	01-Dec-14	06-Dec-14	31-Dec-14	07-Jan-15	0%	Review & Comment by JV
DD01110	Designer prepare DDA	12	08-Dec-14	20-Dec-14	08-Jan-15	21-Jan-15	0%	Designer prepare DDA
DD01115	Formal Submission of DDAto ICE/ IPs	0		20-Dec-14		21-Jan-15	0%	Formal Submission of DDAto ICE/ IPs
DD01120	Advanced Submission to SO	0		20-Dec-14		21-Jan-15	0%	Advanced Submission to SO
DD01125	IPs/ SO's Advance Comments/ ICE Comments	28	21-Dec-14	17-Jan-15	22-Jan-15	18-Feb-15	0%	IPs/ SO's Advance Comments/ ICE Comm
DD01130	Comments Received	0		17-Jan-15		18-Feb-15	0%	Cpmments' Received'
DD01135	Designer to Reply RtC + Update Submission	21	19-Jan-15	11-Feb-15	26-Feb-15	21-Mar-15	0%	Designer to Reply RtC+ Update S
DD01140	Submit Updated DDAto SO/ ICE/ IPs	0	12-Feb-15		23-Mar-15	-	0%	Submit Updated DDAte SO/ ICE/
DD01145	ICE Approval & Issue Check Cert	12	12-Feb-15	04-Mar-15	23-Mar-15	09-Apr-15	0%	ICEApproval & Issue Cheek
DD01155	IPs Review	28	12-Feb-15	11-Mar-15	23-Mar-15	19-Apr-15	0%	
DD01133	SO's Review	35	12-Feb-15	18-Mar-15	23-Mar-15	26-Apr-15	0%	SO's Review
			1 00-10	.c mai-10		U	070	
(H1) DD AN1210	A Temp.works for Cross Passages - Sub-sea tunnel (T DDACP Freezing design (Structural & thermal analysis of the ice ring)	ype A)	25-Jul-14	28-Feb-15	18-Jun-14A	30-Dec-14	99%	DDACP Freezing design (\$t
		176						
DD05000	Preparation of DDACross Passages Ground Freezing (TypeA)		02-Mar-15	21-Mar-15	31-Dec-14	21-Jan-15	0%	Preparation of DDA Cr
DD05010	Review & Comment by JV	18	23-Mar-15	16-Apr-15	22-Jan-15	11-Feb-15	0%	Review & Co
DD05020	Designer prepare DDA Statement Submission	10	17-Apr-15	28-Apr-15	12-Feb-15	02-Mar-15	0%	Designer
Method MS1300	Statement of Cross Passage Ground Freezing Preparation Method Statement for CP Ground Freezing	25	17-Sep-14	17-Oct-14	29-Dec-14	27-Jan-15	0%	Preparation Method Statement for CP Ground Freezing
MS1310	Submit Method Statement to SO/ ICE	0		17-Oct-14		27-Jan-15	0%	Submit Method Statement to SO/ICE
MS1320	SO Reviews & Comments/ ICE Comments	28	18-Oct-14	14-Nov-14	28-Jan-15	24-Feb-15	0%	SQ Reviews & Comments/ ICE Comments
MS1330	Re-submission	18	15-Nov-14	05-Dec-14	26-Feb-15	18-Mar-15	0%	Re-submission
MS1340	ICEApproval & Issue Check Cert.	18	06-Dec-14	29-Dec-14	19-Mar-15	13-Apr-15	0%	ICEApproval & Issue Check Cert.
MS1350	SO's Review	28	06-Dec-14	02-Jan-15	19-Mar-15	15-Apr-15	0%	SO's Review
MS1360	SO's Approval	0		02-Jan-15		15-Apr-15	0%	SO's Approval
Southern I						- p -		
	trieval Shaft							
							_	
	Submission						_	
	ditional Ground Investigation Plan - Phase 3 - Souther			07 1 17	dE las dEt	07 1 15	00/	
GS2870	Preparation of Additional Ground Investigation (Phase 3)	11	15-Jan-15	27-Jan-15	15-Jan-15*	27-Jan-15	0%	Preparation of Additional Ground Investi
GS2880	1st Submission	0		27-Jan-15		27-Jan-15	0%	◆ 1st Submission
GS2905	SO's Comments for 1st Submission	35	28-Jan-15	03-Mar-15	28-Jan-15	03-Mar-15	0%	SO's Comments' for 1st Sub
	Construction Risk Assessment - Impact on South La							
GS01200	Preparation of Construction Risk Assessment - Impact on South Landfall	36	30-Oct-14	10-Dec-14	13-Jun-15	27-Jul-15	0%	Preparation of Construction Risk Assessment - Impact
GS01205	1st Submission	0		10-Dec-14		27-Jul-15	0%	Submission
GS01210	SO's Comments for 1st Submission	35	11-Dec-14	14-Jan-15	28-Jul-15	31-Aug-15	0%	SQ's Comments for 1st Submission
GS01215	Prepare Re-submission	10	15-Jan-15	26-Jan-15	01-Sep-15	11-Sep-15	0%	Preparel Re-submission
GS01220	2nd Submission	0		26-Jan-15		11-Sep-15	0%	◆ 2nd Submission
GS01225	ICE Cert. Issue	6	27-Jan-15	02-Feb-15	12-Sep-15	18-Sep-15	0%	ICE Oert. Issue
GS01250	SO's Condition Approval	35	27-Jan-15	02-Mar-15	12-Sep-15	16-Oct-15	0%	SO's Condition Approval
	Temp.works - Retrieval Shaft on Southern Landfall in	c. break	-out		,			
(F1) AIP		0		01-Nov-14		16-Apr-15	0%	Formal Submission of AIP to ICE/IPs
(F1) AIP AP01615	Formal Submission of AIP to ICE/IPs					16-Apr-15	0%	Advanced Subarission of AIP to SO
	Formal Submission of AIP to ICE/IPs Advanced Submission of AIP to SO	0		01-Nov-14		10740110	1	
AP01615		0 28	01-Nov-14	01-Nov-14 29-Nov-14	17-Apr-15	14-May-15	0%	Review & Comment by SO/ ICE/ IPs
AP01615 AP01620	Advanced Submission of AIP to SO		01-Nov-14		17-Apr-15	•	0%	Review & Comment by SO/ ICE/ IPs
AP01615 AP01620 AP01625	Advanced Submission of AIP to SO Review & Comment by SO/ ICE/ IPs	28	01-Nov-14 29-Nov-14	29-Nov-14	17-Apr-15	14-May-15		
AP01615 AP01620 AP01625 AP01630	Advanced Submission of AIP to SO Review & Comment by SO/ ICE/ IPs Advance Commants from SO/ Comments from ICE/ IPs Received	28 0		29-Nov-14 29-Nov-14		14-May-15 14-May-15	0%	Advance Commants from SO/ Comments from ICE/ IPs Re
AP01615 AP01620 AP01625 AP01630 AP01635 AP01640	Advanced Submission of AIP to SO Review & Comment by SO/ ICE/ IPs Advance Commants from SO/ Comments from ICE/ IPs Received Designer to Prepare RtC & Updated AIP Submisson of AIP to SO/ ICE together with Reply To Comment (RTC)	28 0 18		29-Nov-14 29-Nov-14 20-Dec-14 20-Dec-14		14-May-15 14-May-15 05-Jun-15 05-Jun-15	0%	Advance Commants from SO/ Comments from ICE/ IPs Re Designer to Prepare/RtC & Updated AIP Submisson of AIP to SO/ ICE together with Reply To
AP01615 AP01620 AP01625 AP01630 AP01635 AP01640 AP01645	Advanced Submission of AIP to SO Review & Comment by SO/ ICE/ IPs Advance Commants from SO/ Comments from ICE/ IPs Received Designer to Prepare RtC & Updated AIP Submisson of AIP to SO/ ICE together with Reply To Comment (RTC) Reply to IPs Comments in RTC	28 0 18 0 0	29-Nov-14	29-Nov-14 29-Nov-14 20-Dec-14 20-Dec-14 20-Dec-14	15-May-15	14-May-15 14-May-15 05-Jun-15 05-Jun-15 05-Jun-15	0% 0% 0% 0%	Advance Commants from SO/ Comments from ICE/ IPs Re Designer to Prepare/RtC & Updated AIP Submissori of AIP to ISO/ ICE together with Reply To 0 Reply to IPs Comments in RTC
AP01615 AP01620 AP01625 AP01630 AP01635 AP01640 AP01645 AP01650	Advanced Submission of AIP to SO Review & Comment by SO/ ICE/ IPs Advance Commants from SO/ Comments from ICE/ IPs Received Designer to Prepare RtC & Updated AIP Submisson of AIP to SO/ ICE together with Reply To Comment (RTC) Reply to IPs Comments in RTC ICE Approval & Issue of Design Check Cert.	28 0 18 0 0 18 18		29-Nov-14 29-Nov-14 20-Dec-14 20-Dec-14 20-Dec-14 14-Jan-15		14-May-15 14-May-15 05-Jun-15 05-Jun-15 05-Jun-15 27-Jun-15	0% 0% 0% 0%	Advance Commants from SO/ Comments from ICE/ IPs Re Designer to Prepare/RtC & Updated AIP Submissori of AIP to SO/ ICE together with Reply To C Reply to IPs Comments in RTC ICE Approval & Issue of Design Check Cert.
AP01615 AP01620 AP01625 AP01630 AP01635 AP01640 AP01645 AP01650	Advanced Submission of AIP to SO Review & Comment by SO/ ICE/ IPs Advance Commants from SO/ Comments from ICE/ IPs Received Designer to Prepare RtC & Updated AIP Submisson of AIP to SO/ ICE together with Reply To Comment (RTC) Reply to IPs Comments in RTC	28 0 18 0 0	29-Nov-14	29-Nov-14 29-Nov-14 20-Dec-14 20-Dec-14 20-Dec-14	15-May-15	14-May-15 14-May-15 05-Jun-15 05-Jun-15 05-Jun-15	0% 0% 0% 0%	Advance Commants from SO/ Comments from ICE/ IPs Re Designer to Prepare RtC & Updated AIP Submisson of AIP to SO/ ICE together with Reply To (Reply to IPs Comments in RTC ICE Approval & Issue of Design Check Cert Check Cert to SO
AP01615 AP01620 AP01625 AP01630 AP01635 AP01640 AP01645 AP01650	Advanced Submission of AIP to SO Review & Comment by SO/ ICE/ IPs Advance Commants from SO/ Comments from ICE/ IPs Received Designer to Prepare RtC & Updated AIP Submisson of AIP to SO/ ICE together with Reply To Comment (RTC) Reply to IPs Comments in RTC ICE Approval & Issue of Design Check Cert.	28 0 18 0 0 18 18	29-Nov-14	29-Nov-14 29-Nov-14 20-Dec-14 20-Dec-14 20-Dec-14 14-Jan-15	15-May-15	14-May-15 14-May-15 05-Jun-15 05-Jun-15 05-Jun-15 27-Jun-15	0% 0% 0% 0%	Advance Commants from SO/ Comments from ICE/ IPs Re Designer to Prepare/RtC & Updated AIP Submissori of AIP to SO/ ICE together with Reply To C Reply to IPs Comments in RTC ICE Approval & Issue of Design Check Cert.
AP01615 AP01620 AP01625 AP01630 AP01635 AP01640 AP01645 AP01655 12 of 14	Advanced Submission of AIP to SO Review & Comment by SO/ ICE/ IPs Advance Commants from SO/ Comments from ICE/ IPs Received Designer to Prepare RtC & Updated AIP Submisson of AIP to SO/ ICE together with Reply To Comment (RTC) Reply to IPs Comments in RTC ICE Approval & Issue of Design Check Cert. Check Cert to SO	28 0 18 0 0 18 0	29-Nov-14 20-Dec-14	29-Nov-14 29-Nov-14 20-Dec-14 20-Dec-14 20-Dec-14 14-Jan-15 14-Jan-15	06-Jun-15	14-May-15 14-May-15 05-Jun-15 05-Jun-15 05-Jun-15 27-Jun-15 27-Jun-15	0% 0% 0% 0% 0% 0%	Advance Commants from SO/ Comments from ICE/ IPs Re Designer to Prepare RtC & Updated AIP Submissori of AIP to SO/ ICE together with Reply To C Reply to IPs Comments in RTC ICE Approval & Issue of Design Check Cert Creck Cert to SO Date Revision Checked App 21-Feb-14 TMCLK/DBJ/GEN/PR SPa WYC
AP01615 AP01620 AP01625 AP01630 AP01635 AP01640 AP01645 AP01650 AP01655 12 of 14 ct ID: TMCLI	Advanced Submission of AIP to SO Review & Comment by SO/ ICE/ IPs Advance Commants from SO/ Comments from ICE/ IPs Received Designer to Prepare RtC & Updated AIP Submisson of AIP to SO/ ICE together with Reply To Comment (RTC) Reply to IPs Comments in RTC ICE Approval & Issue of Design Check Cert. Check Cert to SO K_DWPB 14W51 V V V	28 0 18 0 0 18 0	29-Nov-14 20-Dec-14	29-Nov-14 29-Nov-14 20-Dec-14 20-Dec-14 20-Dec-14 14-Jan-15 14-Jan-15	15-May-15	14-May-15 14-May-15 05-Jun-15 05-Jun-15 05-Jun-15 27-Jun-15 27-Jun-15	0% 0% 0% 0% 0%	Advance Commants from SO/ Comments from ICE/ IPs Re Designer to Prepare/RtC & Updated AIP Submissori of AIP to SO/ ICE together with Reply To (Reply to IPs Comments in RTC ICE Approval & Issue of Design Check Cert. Creck Cert to SO Date Revision Checked App <u>21-Feb-14</u> TMCLK/DBJ/GEN/PR SPa WY
AP01615 AP01620 AP01625 AP01630 AP01635 AP01640 AP01645 AP01655 12 of 14	Advanced Submission of AIP to SO Review & Comment by SO/ ICE/ IPs Advance Commants from SO/ Comments from ICE/ IPs Received Designer to Prepare RtC & Updated AIP Submisson of AIP to SO/ ICE together with Reply To Comment (RTC) Reply to IPs Comments in RTC ICE Approval & Issue of Design Check Cert. Check Cert to SO K_DWPB 14W51	28 0 18 0 18 0 18 0	29-Nov-14 20-Dec-14 .K - Northerr	29-Nov-14 29-Nov-14 20-Dec-14 20-Dec-14 20-Dec-14 14-Jan-15 14-Jan-15	06-Jun-15	14-May-15 14-May-15 05-Jun-15 05-Jun-15 27-Jun-15 27-Jun-15	0% 0% 0% 0% 0% 0%	Advance Commants from SO/ Comments from ICE/ IPs Re Designer to Prepare/RtC & Updated AIP Submissori of AIP to SO/ ICE together with Reply To (Reply to IPs Comments in RTC ICE Approval & Issue of Design Check Cert. Check Cert to SO Date Revision Checked App 21-Feb-14 TMCLK/DBJ/GEN/PR SPa WYL

		Dur	Start	Finish	Current Start	Current Finish	14W51 % Comp	2014 2015
AP01660	No Objection or Further Minor Comments from IPs Received	0		14-Jan-15		27-Jun-15	0%	Sep Oct Nov Dec Jan Feb Mar Apr May Ju
AP01680	SO Review (35 Days)	35	22-Dec-14	26-Jan-15	06-Jun-15	10-Jul-15	0%	SO Revjew (35 Days)
AP01685	SO Approval with Condition R eceived	0		26-Jan-15		10-Jul-15	0%	SO Approval with Condition R eceived
(F2) AIP T	emp works of Ground Treatment for TBMs passing	under So	outhern Land	fall	<u> </u>			
AP01915	Formal Submission of AIP to ICE/IPs	0		29-Oct-14		10-Jun-15	0%	Formal Submiss on of AIP to ICE/IPs
AP01920	Advanced Submission of AIP to SO	0		29-Oct-14		10-Jun-15	0%	Advanced Submission of AIP to SO
AP01925	Review & Comment by SO/ ICE/ IPs	28	30-Oct-14	26-Nov-14	11-Jun-15	08-Jul-15	0%	Review & Commert by SO/ ICE/ IPs
AP01930	Advance Commants from SO/ Comments from ICE/ IPs Received	0		26-Nov-14		08-Jul-15	0%	Advare Commants from SO/ Comments from ICE/ IPs Received
AP01935 AP01940	Designer to Prepare RtC & Updated AIP Submisson of AIP to SO/ ICE together with Reply To Comment (RTC)	18	27-Nov-14	17-Dec-14 17-Dec-14	09-Jul-15	29-Jul-15 29-Jul-15	0%	Designer to Prepare RtC & Updated AIP
AP01940 AP01945	Reply to IPs Comments in RTC	0		17-Dec-14		29-Jul-15	0%	 Submisson of AIP to SO/ ICE together with Reply To Corr Reply to IPs Comments in RTO
AP01950	ICE Approval & Issue of Design Check Cert.	18	18-Dec-14	10-Jan-15	30-Jul-15	19-Aug-15	0%	ICE/Approval & Issue of Design Check Cert,
AP01955	Check Cert to SO	0		10-Jan-15		19-Aug-15	0%	Check Cert to SO
AP01960	No Objection or Further Minor Comments from IPs Received	0		10-Jan-15		19-Aug-15	0%	No Objection or Further Minor Comments from I
AP01980	SO Review (35 Days)	35	19-Dec-14	22-Jan-15	30-Jul-15	02-Sep-15	0%	SO Review (35 Days)
AP01985	SO Approval with Condition R eceived	0		22-Jan-15		02-Sep-15	0%	SO Approval with Condition Received
South Cut a	& Cover Tunnel		,					
Design Su	bmission							
	or South Approach Ramp & C&C Box							
AP3120	Designer to Prepare RtC & Updated AIP	18	25-Sep-14	18-Oct-14	28-Oct-14A	02-Dec-14A	100%	Designer to Prepare RtC & Updated AIP
AP3150	Check Cert to SO No Objection or Further Minor Comments from IPs Received	0		08-Nov-14		02-Dec-14A 02-Dec-14A	100%	 Check Cert & SO No Objectioner: Further Minor Continents from IPs Behajved
AP3170 AP3210	SO Review (35 Days)	35	18-Oct-14	22-Nov-14	03-Dec-14A	02-Dec-14A 21-Mar-15	66%	No Objection or Further Minor Comments from IPs Received SO Review (35 Days)
AP3210 AP3220	SO Review (30 Days) SO Approval with Condition R eceived	0	10:000-14	22-Nov-14	55 D00 14A	21-Mar-15 28-Mar-15	0%	SO Review (35 Days) ♦ SO Approval with Condition Received
AP3630	Preparation of AIP for South C&C Box	0			05-Jan-15	17-Jan-15	0%	
AP3640	Review & Comment by JV	0			19-Jan-15	31-Jan-15	0%	
AP3650	Prepare submission to SO	0			02-Feb-15	07-Feb-15	0%	
AP3660	Formal Submission of AIP to ICE/IPs	0				07-Feb-15	0%	
AP3670	Advanced Submission of AIP to SO	0				07-Feb-15	0%	
AP3680	Review & Comment by SO/ ICE/ IPs	0			08-Feb-15	08-Mar-15	0%	
(E2) DDA	for South C&C Box & Approach Ramp				· · · · · ·			
DD00460	Preparation DDASth C&C Box and Approach Ramp	18	22-Nov-14	13-Dec-14	30-Mar-15	23-Apr-15	0%	Preparation DDA Sth G&C Box and Approach Ramp
DD00470	Review & Comment by JV	18	13-Dec-14	07-Jan-15	24-Apr-15	15-May-15	0%	Revièw & Confirment by JV
DD00480	Designer prepare DDA	10	07-Jan-15	19-Jan-15	16-May-15	28-May-15	0%	Designer prepare DDA
DD00490	Formal Submission of DDA to ICE/ IPs Advanced Submission to SO	0		19-Jan-15		28-May-15	0%	♦ Formal Submission of DDAto ICE/ IPs
DD00500	IPs/ SO's Advance Comments/ ICE Comments	28	19-Jan-15	19-Jan-15 16-Feb-15	29-May-15	28-May-15 25-Jun-15	0%	Advanced Submission to SO IPs/ SO's Advance Comments/ ICE
DD00520	Comments Received	0		16-Feb-15	Lo way to	25-Jun-15	0%	◆ Comments/Received
DD00530	Designer to Reply RtC + Update Submission	21	16-Feb-15	19-Mar-15	26-Jun-15	21-Jul-15	0%	Designer to Reply RtC +
(F3) AIP T	emp.Support for South.C&C, Portal & ELS							
DD69610	Designer prepare AIP	10	08-Nov-14	20-Nov-14	24-Apr-15	06-May-15	0%	Designer prepare AIP
DD69620	Formal Submission of AIP to ICE/ IPs	0		20-Nov-14		06-May-15	0%	Formal Supmission of AIP to ICE/ IPs
DD69630	Advanced Submission to SO	0		20-Nov-14		06-May-15	0%	Advances Submission to SO
DD69640	IPs/ SO's Advance Comment s/ ICE Comments	28	20-Nov-14	18-Dec-14	07-May-15	03-Jun-15	0%	Ps/ SO's Advance Comments/ ICE Comments
DD69650	Comments Received	0		18-Dec-14		03-Jun-15	0%	
DD69660	Designer to Reply RtC + Update Submission	21	18-Dec-14 15-Jan-15	15-Jan-15	04-Jun-15	29-Jun-15	0%	Designer to Reply RtC + Update Submission
DD69670	Submit Updated AIP to SO/ ICE/ IPs ICE Approval & Issue Check Cert	12	15-Jan-15	29-Jan-15	30-Jun-15 30-Jun-15	14-Jul-15	0%	Submit Updated AIP to SO/ ICE/ IPs
DD69690	IPs Review	28	15-Jan-15	12-Feb-15	30-Jun-15	27-Jul-15	0%	IP's Review
DD69700	IP's No Objection Received	0		12-Feb-15		27-Jul-15	0%	↓ IP's No Objection Received
DD69710	SO's Review	35	15-Jan-15	19-Feb-15	30-Jun-15	03-Aug-15	0%	SO's Review
DD69720	SO Approval with Condition R eceived	0		26-Feb-15		03-Aug-15	0%	SO Approval with Condition R ex
South Vent	lation Building							
Design Su	bmission							
	for South Vent.Bldg. GBP & Arch.Submission							
DD01400	Preparation of DDASth VB GBP & Arch Submission	18	21-Aug-14	11-Sep-14	12-Feb-15	11-Mar-15	0%	Preparation of DDASth VB G BP & Arch Submission
DD01415	Formal Submission of DDA to ICE/ IPs	0		29-Oct-14		30-Apr-15	0%	◆ Formal Submission of DDA to ICE/ IPs
DD01420	Advanced Submission to SO IPs/ SO's Advance Comments/ ICE Comments	28	30-Oct-14	29-Oct-14	01-May-15	30-Apr-15 28-May-15	0%	Advanced Submission to SO/ Advanced Advance Comments / ICE Comments
DD01425	Comments Received	0	JU-ULE 14	26-Nov-14 26-Nov-14	01-1Viay-13	28-May-15 28-May-15	0%	IPs/ SO's Advance Comments/ ICE Comments
DD01435	Designer to Reply RtC + Update Submission	21	27-Nov-14	20-Dec-14	29-May-15	23-Jun-15	0%	Cumpalitis Received Designer to Reply RtC + Update Submission
DD01440	Submit Updated DDA to SO/ ICE/ IPs	0	22-Dec-14		24-Jun-15	-	0%	Submit Updated DDA to SO/ ICE/ IPs
DD01445	ICEApproval & Issue Check Cert	18	22-Dec-14	14-Jan-15	24-Jun-15	15-Jul-15	0%	ICEApproval & Issue Check Cert
DD01450	Submit ICE Check Cert to SO	6	15-Jan-15	21-Jan-15	16-Jul-15	22-Jul-15	0%	Submit ICE Check Cert to SO
DD01455	IPs Review	28	22-Dec-14	18-Jan-15	24-Jun-15	21-Jul-15	0%	IPs Review
DD01460	IP's No Objection Received	0	l	18-Jan-15		21-Jul-15	0%	IP's No Objection Received
e 13 of 14 ect ID: TMCLK	_ DWPB 14W51 -14 Planned Bar				n Sub-Sea Tu e - Three mon		A member of the Boury	Date Revision Checked Appr 查書算嘉 Date Revision Checked Appr 21-Feb-14 TMCLK/DBJ/GEN/PR SPa WYu 書書算書 Bouvyeus Feb-14 TMCLK/DBJ/GEN/PR SPa WYu

	Activity Name	Orig Dur	Planned Start	Planned Finish	Current Start	Current Finish	14W51 % Comp		20	14				20	15		
		Dui	Otart				/0 00mp	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
DD01465	SO's Review	35	22-Dec-14	25-Jan-15	24-Jun-15	28-Jul-15	0%				(SO's Re	view			
DD01470	SO Approval with Condition R eceived	0		26-Jan-15		28-Jul-15	0%				N	•	SO Appr	oval with C	ondition R	eceived	
(I2) DDA	for South Vent.Bldg.Structural Design incl.Vent.C	onnections			JJ					+						·	
DD67808	Preparation of DDASth VB Structural Design incl. Vent Conn	18	28-Jan-15	17-Feb-15	29-Jul-15	18-Aug-15	0%					(F	reparation	of DDA\$	th VB Stru	ictural D
DD67818	Review & Comment by JV	18	18-Feb-15	17-Mar-15	19-Aug-15	08-Sep-15	0%							R	eview & Co	omment by	/ JV
South Sur	face Roadworks, Utility & Drainage works			1	·											1	
 Design S	ubmission						_						-			1	
(E3) DD/	A for Sewerage, Drainage, Waterworks & Utility wo	ks for Sout	h Landfall							1					·	· - 	
(E3) DD/ DD05810	A for Sewerage, Drainage, Waterworks & Utility wor Preparation of DDASewerage & Drainage works for Sth Landfall	rks for Sout	h Landfall 08-Nov-14	28-Nov-14	12-Feb-15	11-Mar-15	0%			4	Prepara	tion of DE	ASewera	ge & Draina	age works	for Sth Lan	dfall
				28-Nov-14 19-Dec-14	12-Feb-15 12-Mar-15	11-Mar-15 01-Apr-15	0%			Ę	· ·		ASewera		age works	for Sth Lan	ıdfall
DD05810	Preparation of DDA Sewerage & Drainage works for Sth Landfall	18	08-Nov-14							Ę	· ·	Review &		by JV	age works	for Sth Lan	ndfall
DD05810 DD05820	Preparation of DDA Sewerage & Drainage works for Sth Landfall Review & Comment by JV	18	08-Nov-14 29-Nov-14	19-Dec-14	12-Mar-15	01-Apr-15	0%			Ę	· ·	Review &	Oomment	by JV		for Sth Lan	ıdfall
DD05810 DD05820 DD05830	Preparation of DDA Sewerage & Drainage works for Sth Landfall Review & Comment by JV Designer prepare DDA	18 18 10	08-Nov-14 29-Nov-14	19-Dec-14 03-Jan-15	12-Mar-15	01-Apr-15 17-Apr-15	0%					eview & Desig	Comment oner prepa	by JV re DDA	50		ndfall
DD05810 DD05820 DD05830 DD05840	Preparation of DDA Sewerage & Drainage works for Sth Landfall Review & Comment by JV Designer prepare DDA Advanced Submission to SO	18 18 10 0	08-Nov-14 29-Nov-14	19-Dec-14 03-Jan-15 03-Jan-15	12-Mar-15	01-Apr-15 17-Apr-15 17-Apr-15	0%			Ę		eview & Desig	pher prepa	by JV re DDA tission to \$	SO Ato ICE/ I	Ps	
DD05810 DD05820 DD05830 DD05840 DD05850	Preparation of DDA Sewerage & Drainage works for Sth Landfall Review & Comment by JV Designer prepare DDA Advanced Submission to SO Formal Submission of DDA to ICE/ IPs	18 18 10 0 0	08-Nov-14 29-Nov-14 20-Dec-14	19-Dec-14 03-Jan-15 03-Jan-15 03-Jan-15	12-Mar-15 02-Apr-15	01-Apr-15 17-Apr-15 17-Apr-15 17-Apr-15	0% 0% 0% 0%			Ę		Review & Constant Desig	pher prepa nced Subn al Submis	by JV re DDA hission to \$ sion of DD	SO Ato ICE/ I e Commer	Ps	

Page 14 of 14

Project ID: TMCLK_ DWPB 14W51

Data Date: 29-Dec-14



TMCLK - Northern Connection Sub-Sea Tunnel Section

Detailed Works Programme - Three months rolling programme



 Date
 Revision
 Checked
 Approved

 21-Feb-14
 TMCLK/DBJ/GEN/PR...
 SPa
 WYu

Appendix C

Environmental Mitigation and Enhancement Measure Implementation Schedules

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Imp	lementa Stages	tion	Status *
	Reference					D	С	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		~
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		~
4.8.1	3.8	The Contractor shall not burn debris or other materials on the works areas.	All areas / throughout construction period	Contractor	TMEIA Avoid dust generation		Y		~
4.8.1	3.8	In hot, dry or windy weather, the watering programme shall maintain all exposed road surfaces and dust sources wet.	All unpaved haul roads / throughout construction period in hot, dry or windy weather	Contractor	TMEIA Avoid smoke impacts and disturbance		Y		✓
4.8.1	3.8	Where breaking of oversize rock/concrete is required, watering shall be implemented to control dust. Water spray shall be used during the handling of fill material at the site and at active cuts, excavation and fill sites where dust is likely to be created.	construction period	Contractor	TMEIA Avoid dust generation		Y		~
4.8.1	3.8	Open dropping heights for excavated materials shall be controlled to a maximum height of 2m to minimise the fugitive dust arising from unloading.		Contractor	TMEIA Avoid dust generation		Y		~
4.8.1	3.8	During transportation by truck, materials shall not be loaded to a level higher than the side and tail boards, and shall be dampened or covered before transport.		Contractor	TMEIA Avoid dust generation		Y		~

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

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Imp	plementa Stages		Status *
	Reference					D	C	0	
4.8.1	3.8	Materials having the potential to create dust shall not be loaded to a level higher than the side and tail boards, and shall be covered by a clean tarpaulin. The tarpaulin shall be properly secured and shall extend at least 300mm over the edges of the side and tail boards.	construction period	Contractor	TMEIA Avoid dust generation		Y		~
4.8.1	3.8	No earth, mud, debris, dust and the like shall be deposited on public roads. Wheel washing facility shall be usable prior to any earthworks excavation activity on the site.		Contractor	TMEIA Avoid dust		Y		~
4.8.1	3.8	Areas of exposed soil shall be minimised to areas in which works have been completed shall be restored as soon as is practicable.	All exposed surfaces / throughout construction period	Contractor	TMEIA Avoid dust generation		Y		~
4.8.1	3.8	All stockpiles of aggregate or spoil shall be enclosed or covered and water applied in dry or windy condition.	All areas / throughout construction period	Contractor	TMEIA Avoid dust generation		Y		~
4.11	Section 3	EM&A in the form of 1 hour and 24 hour dust monitoring and site audit.	All representative existing ASRs / throughout construction period	Contractor	EM&A Manual		Y		√
WATER QUAL	ITY								
Marine Works (Sea	juence A)								
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		~
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		1

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

EIA Reference	EM&A Manual		Location/ Timing In	Implementation Agent	Relevant Standard or Requirement	Imp	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		✓
6.1	-	Use of cage type silt curtains round allgrab dredgers during the HKBCF, HKLR and TM-CLKL southern reclamation works.	All areas dredging works	Contractor	TM-EIAO		Y		√
	Figure 1.1 of Annex C	A layer of floating type silt curtain will be applied when dredging and reclamation works are being undertaken at Portion N-a as shown in Figure 1.1 of Annex C of the EM&A Manual.		Contractor	TM-EIAO		Y		~
6.1	-	Trailer suction hopper dredgers shall not allow mud to overflow.	All areas/ throughout construction period	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		*
6.1	-	The use of Lean Material Overboard (LMOB) systems shall be prohibited.	All areas/ throughout construction period	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		1

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

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Imp	lementa Stages	tion	Status *
	Reference					D	С	0	
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 D6b		 TM-CLKL northern reclamation; Reclamation filling for Portion D of HKBCF; Reclamation filling for FSD berth of HKBCF; and 	5						
		- Reclamation dredging and filling for Portion 1 of HKLR;							
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		`
6.1	Annex A	A layer of floating type silt curtain will be applied around all works as defined in Appendix D6b.	All areas/ through out marine works	Contractor	TM-EIAO		Y		✓
6.1	-	TM-CLKL northern landfall: - Reclamation filling shall not proceed until at least 200m section of leading seawall at both the east and west sides of the reclamation are formed above +2.5 mPD, except for 100m gaps for marine access;	1	Contractor	TM-EIAO		Y		~

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

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Imj	plementa Stages	tion	Status *
	Reference					D	С	0	
General Marine W	orks								
6.1	-	Use of TBM for the construction of the submarine tunnel.	Tunnel works / Construction phase	Contractor	TM-EIAO		Y		N/A
6.1	-	Export dredged spoils from NWWCZ.	All areas as much as possible / dredging activities	Contractor	DASO Permit conditions		Y		~
6.1	-	Where public fill is proposed for filling below +2.5mPD, the fine content in the public fill will be controlled to 25%	All areas/ backfilling works	Contractor	TM-EIAO		Y		N/A
6.1	-	Where sand fill is proposed for filling below +2.5mPD, the fine content in the sand fill will be controlled to 5%.	All areas/ backfilling works	Contractor	TM-EIAO		Y		N/A
6.1	-	Mechanical grabs shall be designed and maintained to avoid spillage and should seal tightly while being lifted.	All areas/ throughout construction period	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		~
6.1	-	Barges and hopper dredgers shall have tight fitting seals to their bottom openings to prevent leakage of material.	All areas/ throughout construction period	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		-
6.1	-	Any pipe leakages shall be repaired quickly. Plant should not be operated with leaking pipes.	All areas/ throughout construction period	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		~
6.1	-	Loading of barges and hoppers shall be controlled to prevent splashing of dredged material to the surrounding water. Barges or hoppers shall not be filled to a level which will cause overflow of materials or pollution of water during loading or transportation.	construction period	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		-

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

EIA Reference	Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Imp	lementa Stages	tion	Status *
	Reference					D	С	0	1
6.1	-	Excess material shall be cleaned from the decks and exposed fittings of barges and hopper dredgers before the vessel is moved.	All areas/ throughout construction period	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		~
6.1	-	Adequate freeboard shall be maintained on barges to reduce the likelihood of decks being washed by wave action;	All areas/ throughout construction period	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		N/A
6.1	-	All vessels shall be sized such that adequate clearance is maintained between vessels and the sea bed at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash.	construction period	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		N/A
6.1	-	The works shall not cause foam, oil, grease, litter or other objectionable matter to be present in the water within and adjacent to the works site.		Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		~
6.1	5.2	Silt curtain shall have proved effectiveness from the producer and shall be fully maintained throughout the works by the contractor.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		√
6.1	-	The daily maximum production rates shall not exceed those assumed in the water quality assessment.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		~
6.1	-	The dredging and filling works shall be scheduled to spread the works evenly over a working day.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓

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

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Imp	olementa Stages	tion	Status *
	Reference					D	С	0	
Land Works									
6.1	-	Wastewater from temporary site facilities should be controlled to prevent direct discharge to surface or marine waters.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		√
6.1	-	Sewage effluent and discharges from on-site kitchen facilities shall be directed to Government sewer in accordance with the requirements of the WPCO or collected for disposal offsite. The use of soakaways shall be avoided.	construction period	Contractor	TM-EIAO		Y		~
6.1	-	Storm drainage shall be directed to storm drains via adequately designed sand/silt removal facilities such as sand traps, silt traps and sediment basins. Channels, earth bunds or sand bag barriers should be provided on site to properly direct stormwater to such silt removal facilities. Catchpits and perimeter channels should be constructed in advance of site formation works and earthworks.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		
6.1	-	Silt removal facilities, channels and manholes shall be maintained and any deposited silt and grit shall be removed regularly, including specifically at the onset of and after each rainstorm.		Contractor	TM-EIAO		Y		~
6.1	-	Temporary access roads should be surfaced with crushed stone or gravel.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		
6.1	-	Rainwater pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities.		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.		Contractor	TM-EIAO		Y		✓
6.1	5.8	Manholes (including any newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers.	construction period	Contractor	TM-EIAO		Y		

EIA Reference	EM&A Manual	Environmental Protection Measures I	ocation/ Timing	Implementation Agent	Relevant Standard or Requirement	Imp	Implementation Stages		Status *
	Reference					D	C	0	
6.1	-	Discharges of surface run-off into foul sewers must always be A prevented in order not to unduly overload the foul sewerage system. c		Contractor	TM-EIAO		Y		_
6.1	-	All vehicles and plant should be cleaned before they leave the A construction site to ensure that no earth, mud or debris is deposited c by them on roads. A wheel washing bay should be provided at every site exit.		Contractor	TM-EIAO		Y		~
6.1	-	Wheel wash overflow shall be directed to silt removal facilities before A being discharged to the storm drain.	All areas/ throughout onstruction period	Contractor	TM-EIAO		Y		~
6.1	-	Section of construction road between the wheel washing bay and the A public road should be surfaced with crushed stone or coarse gravel.	All areas/ throughout onstruction period	Contractor	TM-EIAO		Y		~
6.1	-	Wastewater generated from concreting, plastering, internal A decoration, cleaning work and other similar activities, shall be c screened to remove large objects.	All areas/ throughout onstruction period	Contractor	TM-EIAO		Y		~
6.1	-	Vehicle and plant servicing areas, vehicle wash bays and lubrication A facilities shall be located under roofed areas. The drainage in c 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.		Contractor	TM-EIAO		Y		N/A
6.1	-	The Contractor shall prepare an oil / chemical cleanup plan and A ensure that leakages or spillages are contained and cleaned up c immediately.		Contractor	TM-EIAO		Y		~
6.1	-	Waste oil should be collected and stored for recycling or disposal, A in accordance with the Waste Disposal Ordinance.	All areas/ throughout onstruction period	Contractor	TM-EIAO Waste Disposal Ordinance		Y		1
6.1	-	All fuel tanks and chemical storage areas should be provided with A locks and be sited on sealed areas. The storage areas should be c surrounded by bunds with a capacity equal to 110% of the storage capacity of the largest tank.		Contractor	TM-EIAO		Y		✓
6.1	-	Surface run-off from bunded areas should pass through oil/grease A traps prior to discharge to the stormwater system.	All areas/ throughout onstruction period	Contractor	TM-EIAO		Y		✓
6.1	-	Roadside gullies to trap silt and grit shall be provided prior to R	Roadside/design and operation	Design	TM-EIAO	Y		Y	✓

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

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Imj	plementa Stages	tion	Status *
	Reference					D	С	0	
		discharging the stormwater into the marine environment. The sumps will be maintained and cleaned at regular intervals.		Consultant/ Contractor					
6.1	Section 5	All construction works shall be subject to routine audit to ensure implementation of all EIA recommendations and good working practice.	All areas/ throughout construction period	Contractor	EM&A Manual		Y		√
Water Quality Mo	nitoring								
6.1	Section 5	Water quality monitoring shall be undertaken for suspended solids, turbidity, and dissolved oxygen. Nutrients and metal parameters shall also be measured for Mf sediment operations (only HKBCF and HKLR required handling of Mf sediment) during baseline, backfilling and post construction period. One year operation phase water quality monitoring at designated stations.	as defined in EM&A Manual, Section 5/ Before, through-out	Contractor	EM&A Manual		Y	Y	✓
ECOLOGY									
8.14	6.3	Specification for and implement pre, during and post construction dolphin abundance monitoring.	All Areas/Detailed Design/ during construction works/post construction	Design Consultant/ Contractor	TMEIA	Y	Y	Y	✓
8.14	6.3,6.5	Specification and implementation of 250m dolphin exclusion zone.	All dredging and reclamation areas/Detailed Design/during all reclamation and dredging works	Design Consultant/ Contractor	TMEIA	Y	Y		~
8.15	6.3, 6.5	Specification and deployment of an artificial reef of an area of 3,600m2 in an area where fishing activities are prohibited.	Area of prohibited fishing activities/Detailed Design/towards end of construction period	TM-CLKL/ HKBCF Design Consultant/TM- CLKL/ HKBCF Contractor	TMEIA	Y		Y	N/A. To be 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		✓
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		✓

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

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Imj	tion	Status *	
	Reference					D	C	0	
8.15	6.3, 6.4	Pre-construction phase survey and coral translocation	Detailed Design/Prior to construction	Design Consultant/ Contractor	TMEIA	Y	Y		~
8.15	6.5	Audit coral translocation success	Post translocation	Contractor	TMEIA		Y		✓
7.13	6.5	The loss of habitat shall be supplemented by enhancement planting in accordance with the landscape mitigation schedule.	t All areas / As soon as accessible	Contractor	TMEIA		Y		N/A
7.13	6.5	Spoil heaps shall be covered at all times.	All areas / Throughout construction period	Contractor	TMEIA		Y		✓
7.13	6.5	Avoid damage and disturbance to the remaining and surrounding natural habitat	All areas / Throughout construction period	Contractor	TMEIA		Y		-
7.13	6.5	Placement of equipment in designated areas within the existing disturbed land	All areas / Throughout construction period	Contractor	TMEIA		Y		-
7.13	6.5	Disturbed areas to be reinstated immediately after completion of the works.	All areas / Throughout construction period	Contractor	TMEIA		Y		✓
7.13	6.5	Construction activities should be restricted to the proposed works boundary.	All areas / Throughout construction period	Contractor	TMEIA		Y		~
LANDSCAPE A	AND VISUAI								
10.9	7.6	The colour and shape of the toll control buildings, ventilation building and administration building shall adopt a design which could blend it into the vicinity elements, and the details will be developed in detailed design stage (DM2)	All areas/detailed design	Design Consultant	TMEIA	Y			N/A
10.9	7.6	Aesthetic design of the viaduct, retaining wall and other structures will be developed under ACABAS submission (DM5)	All areas/detailed design	Design Consultant	TMEIA	Y			N/A
10.9	7.6	Screening of construction works by hoardings around works area in visually unobtrusive colours, to screen works (CM5)	All areas/detailed design/ during construction/post construction	Design Consultant/ Contractor	TMEIA	Y	Y		~
10.9	7.6	Control night-time lighting and glare by hooding all lights (CM6)	All areas/detailed design/ during construction	Design Consultant/ Contractor	TMEIA	Y	Y		N/A
10.9	7.6	Ensure no run-off into water body adjacent to the Project Area (CM7)	All areas/detailed design/ during construction	Design Consultant/ Contractor	TMEIA	Y	Y		~
10.9	7.6	Avoidance of excessive height and bulk of buildings and structures (CM8)	All areas/detailed design/ during construction	Design Consultant/ Contractor	TMEIA	Y	Y		~

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

EIA Reference	Manual		Location/ Timing	Implementation Agent	n Relevant Standard or Requirement	Imp	tion	Status *	
	Reference					D	С	0	
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		~
12.6		The Contractor shall prepare and implement a Waster 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		~

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

EIA Reference	EM&A Manual Reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Stages			Status *
	Keference					D	C	0	
12.6		The Contractor shall apply for and obtain the appropriate licenses for the disposal of public fill, chemical waste and effluent discharges.	Contract mobilisation	Contractor	TMEIA, Land (Miscellaneous Provisions) Ordinance (Cap 28); Waste Disposal Ordinance (Cap 354); Dumping at Sea Ordinance (Cap 466); Water Pollution Control Ordinance.		Y		~
12.6	8.1	Training shall be provided to workers about the concepts of site cleanliness and appropriate waste management procedures including waste reduction, reuse and recycling.	Contract Mobilisation	Contractor	TMEIA		Y		√
12.6	8.1	The extent of cutting operation should be optimised where possible. Earth retaining structures and bored pile walls should be proposed to minimise the extent of cutting.		Contractor	TMEIA		Y		~
12.6	8.1	The surplus surcharge should be transferred to a fill bank	Reclamation areas / after surcharge works	Contractor	TMEIA		Y		N/A
12.6	8.1	Rock armour from the existing seawall should be reused on the new sloping seawall as far as possible	All areas / throughout construction period	Contractor	TMEIA		Y		~
12.6	8.1	The site and surroundings shall be kept tidy and litter free.	All areas / throughout construction period	Contractor	TMEIA		Y		~
12.6	8.1	No waste shall be burnt on site.	All areas / throughout construction period	Contractor	TMEIA		Y		~
12.6	8.1	Provisions to be made in contract documents to allow and promote the use of recycled aggregates where appropriate.	Detailed Design	Design Consultant	TMEIA	Y			~
12.6	8.1	The Contractor shall be prohibited from disposing of C&D materials at any sensitive locations. The Contractor should propose the final disposal sites in the EMP and WMP for approval before implementation.		Contractor	TMEIA		Y		-
12.6	8.1	Stockpiled material shall be covered by tarpaulin and /or watered as appropriate to prevent windblown dust/ surface run off.	All areas / throughout construction period	Contractor	TMEIA		Y		√

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

EIA Reference	EM&A Manual	Manual	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages			Status *
	Reference					D	C	0	
12.6	8.1	Excavated material in trucks shall be covered by tarpaulins to reduce the potential for spillage and dust generation.	All areas / throughout construction period	Contractor	TMEIA		Y		~
12.6	8.1	Wheel washing facilities shall be used by all trucks leaving the site to prevent transfer of mud onto public roads.	All areas / throughout construction period	Contractor	TMEIA		Y		~
12.6	8.1	Dredged marine mud shall be disposed of in a gazetted marine disposal ground under the requirements of the Dumping at Seas Ordinance.		Contractor	TMEIA		Ŷ		~
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		
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		
12.6	8.1	All falsework will be steel instead of wood.	All areas / throughout construction period	Contractor	TMEIA		Y		`
12.6	8.1	Chemical waste producers should register with the EPD. Chemical waste should be handled in accordance with the Code of Practice on the Packaging, Handling and Storage of Chemical Wastes as follows: <i>f</i> suitable for the substance to be held, resistant to corrosion, maintained in good conditions and securely closed;	construction period	Contractor	TMEIA		Y		<>

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

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages		Status *	
	Reference					D	С	0	
		<i>f</i> Having a capacity of <450L unless the specifications have been approved by the EPD; and <i>f</i> Displaying a label in English and Chinese according to the instructions prescribed in Schedule 2 of the Regulations. <i>f</i> Clearly labelled and used solely for the storage of chemical wastes; <i>f</i> Enclosed with at least 3 sides; <i>f</i> 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; <i>f</i> Adequate ventilation; <i>f</i> Sufficiently covered to prevent rainfall entering (water collected within the bund must be tested and disposed of as chemical waste, if necessary); and <i>f</i> Incompatible materials are adequately separated.							
12.6	8.1	Waste oils, chemicals or solvents shall not be disposed of to drain,	All areas / throughout construction period	Contractor	TMEIA		Y		✓
12.6	8.1	Adequate numbers of portable toilets should be provided for on- site workers. Portable toilets should be maintained in reasonable states, which will not deter the workers from utilising them.		Contractor	TMEIA		Y		
12.6	8.1	Night soil should be regularly collected by licensed collectors.	All areas / throughout construction period	Contractor	TMEIA		Y		N/A

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

EIA Reference	EM&A Manual		Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Stages			Status *
	Reference					D	С	0	
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		1
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		~
12.6	Section 8	EM&A of waste handling, storage, transportation, disposal procedures and documentation through the site audit programme shall be undertaken.		Contractor	EM&A Manual		Y		<i>✓</i>
CULTURAL HI				T T 1			24		
11.8	Section 9	EM&A in the form of audit of the mitigation measures	All areas / throughout construction period	Highways Department	EIAO-TM		Y		N/A

* Remarks:

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

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

Appendix D

Summary of Action and Limit Levels

Parameters	Action	Limit
24 Hour TSP Level in $\mu g/m^3$	ASR1 = 213	260
	ASR5 = 238	
	AQMS1 = 213	
	ASR6 = 238	
	ASR10 = 214	
1 Hour TSP Level in $\mu g / m^3$	ASR1 = 331	500
-	ASR5 = 340	
	AQMS1 = 335	
	ASR6 = 338	
	ASR10 = 337	

Table D1Action and Limit Levels for 1-hour and 24-hour TSP

Table D2Action 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
	Bottom	Bottom
	4.7 mg/L	3.6 mg/L
Turbidity in NTU (Depth- averaged ^{(b), (c)})	120% of upstream control station at the same tide of the same day and 95%-ile of baseline data, i.e.,	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 D3Action and Limit Levels for Impact Dolphin Monitoring

Table D4

		North Lan	tau Social Cluster		
		NEL	NWL		
Act	ion Level	STG < 70% of baseline &	STG < 70% of baseline &		
		ANI < 70% of baseline	ANI < 70% of baseline		
Lim	nit Level	[STG < 40% of baseli	ne & ANI < 40% of baseline]		
			and		
		STG < 40% of baseli	ne & ANI < 40% of baseline		
Not	tes:				
1.	STG means quarter	ly encounter rate of number of dol	phin sightings, which is 6.00 in		
	NEL and 9.85 in N	WL during the baseline monitoring	period		
2.	ANI means quarter	ly encounter rate of total number o	of dolphins, which is 22.19 in NEL		
	and 44.66 in NWL	during the baseline monitoring per	iod		
3.	For North Lantau S	Social Cluster, AL will be trigger if I	NEL or NWL fall below the criteria		
	LL will be triggered if both NEL and NWL fall below the criteria.				

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

Appendix E

Copies of Calibration Certificates for Air Quality and Water Quality Monitoring

High-Volume TSP Sampler 5-Point Calibration Record

Location Calibrated by Date	: : :	ASR 5 P.F.Yeung 10/10/2014
<u>Sampler</u> Model Serial Number	:	TE-5170 S/N 0816
Calibration Orfice and Standard Serial Number Service Date Slope (m) Intercept (b) Correlation Coefficient(r)	Calibrat : : : :	tion Relationship 2454 14 Mar 2014 2.07593 -0.00102 0.99996
<u>Standard Condition</u> Pstd (hpa) Tstd (K) <u>Calibration Condition</u> Pa (hpa) Ta(K)	: : :	1013 298.18 1010 301

Resi	stance Plate	dH [green liquid]	Ζ	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	12.5	3.502	1.688	55	54.48
2	13 holes	10.2	3.164	1.524	50	49.53
3	10 holes	7.1	2.639	1.272	42	41.60
4	7 holes	4.9	2.193	1.057	36	35.66
5	5 holes	2.8	1.658	0.799	28	27.74

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

Sampler Calibration Relationship (Linear Regression)

Slope(m):<u>30.005</u> Intercept(b):<u>3.758</u>

Correlation Coefficient(r): 0.9998

Checked by: <u>Magnum Fan</u>

Date: 14/10/2014

High-Volume TSP Sampler 5-Point Calibration Record

Sampler Model:TE-5170Serial Number:S/N 8162Calibration Orfice and Standard Calibration Relationship Serial Number:2454Service Date:14 Mar 2014Slope (m):2.07593Intercept (b):-0.00102Correlation Coefficient(r):0.99996Standard Condition Pstd (hpa):1013Tstd (K):298.18Calibration Condition Pa (hpa):1010Ta(K):301	Location Calibrated by Date	:	ASR10 P.F.Yeung 10/10/2014
Serial Number:Serial NumberSerial Number:S/N 8162Calibration Orfice and Standard Calibration RelationshipSerial Number:2454Service Date:14 Mar 2014Slope (m):2.07593Intercept (b):-0.00102Correlation Coefficient(r):0.99996Standard ConditionPstd (hpa):1013Tstd (K):298.18Calibration ConditionPa (hpa):1010			
Calibration Orfice and Standard Calibration RelationshipSerial Number:2454Service Date:14 Mar 2014Slope (m):2.07593Intercept (b):-0.00102Correlation Coefficient(r):0.99996Standard Condition		:	
Serial Number : 2454 Service Date : 14 Mar 2014 Slope (m) : 2.07593 Intercept (b) : -0.00102 Correlation Coefficient(r) : 0.99996 Standard Condition : 1013 Pstd (hpa) : 1013 Tstd (K) : 298.18 Calibration Condition : 1010	Serial Number	:	S/N 8162
Slope (m) : 2.07593 Intercept (b) : -0.00102 Correlation Coefficient(r) : 0.99996 Standard Condition		d Calibra	
Slope (m) : 2.07593 Intercept (b) : -0.00102 Correlation Coefficient(r) : 0.99996 Standard Condition	Service Date	•	14 Mar 2014
Intercept (b) : -0.00102 Correlation Coefficient(r) : 0.99996 Standard Condition	Slope (m)	:	2.07593
Correlation Coefficient(r):0.99996Standard Condition Pstd (hpa):1013 298.18Calibration Condition Pa (hpa):1010	· · ·	:	-0.00102
Pstd (hpa):1013Tstd (K):298.18Calibration Condition.Pa (hpa):1010	· · ·	:	0.99996
Pa (hpa) : 1010	Pstd (hpa)	:	
	Calibration Condition		
	Pa (hpa)	:	1010
	Ta(K)	:	301

						1
Resi	stance Plate	dH [green liquid]	Z	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	11.2	3.325	1.602	56	55.64
2	13 holes	9.4	3.046	1.468	51	50.67
3	10 holes	7.0	2.629	1.267	44	43.72
4	7 holes	4.8	2.177	1.049	37	36.76
5	5 holes	2.8	1.662	0.801	29	28.81

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):<u>33.346</u> Intercept(b):<u>1.856</u>

Correlation Coefficient(r): 0.9996

Checked by: <u>Magnum Fan</u>

Date: 14/10/14

High-Volume TSP Sampler 5-Point Calibration Record

Location Calibrated by Date	: : :	AQMS1 P.F.Yeung 10/10/2014
<u>Sampler</u> Model Serial Number	:	TE-5170 S/N 1253
Calibration Orfice and Standard C Serial Number Service Date Slope (m) Intercept (b) Correlation Coefficient(r)	<u>alibration</u> : : :	n Relationship 2454 14 Mar 2014 2.07593 -0.00102 0.99996
<u>Standard Condition</u> Pstd (hpa) Tstd (K) <u>Calibration Condition</u> Pa (hpa) Ta(K)	: : : : : : : : : : : : : : : : : : : :	1013 298.18 1010 301

Resi	stance Plate	dH [green liquid]	Ζ	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	12.6	3.527	1.699	58	57.62
2	13 holes	10.0	3.142	1.514	51	50.67
3	10 holes	7.2	2.666	1.285	43	42.72
4	7 holes	4.9	2.199	1.060	36	35.77
5	5 holes	2.9	1.692	0.816	27	26.83

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

Sampler Calibration Relationship (Linear Regression)

Slope(m):34.415 Intercept(b): 1.146

Correlation Coefficient(r): 0.9996

Checked by: Magnum Fan

Date: 14/10/2014

Location	:	ASR 1
Calibrated by	:	P.F.Yeung
Date	:	10/10/2014
<u>Sampler</u> Model Serial Number	:	TE-5170 S/N 0146

Calibration Orfice and Standard Calibration RelationshipSerial Number:2454Service Date:Slope (m):2.07593

Stope (III)	•	2.07575
Intercept (b)	:	-0.00102
Correlation Coefficient(r)	:	0.99996

Standard Condition		
Pstd (hpa)	:	1013
Tstd (K)	:	298.18
Calibration Condition		
Pa (hpa)	:	1010
Ta(K)	:	301

Resi	stance Plate	dH [green liquid]	Ζ	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	12.6	3.516	1.694	55	54.48
2	13 holes	9.8	3.101	1.494	48	47.55
3	10 holes	7.0	2.621	1.263	40	39.62
4	7 holes	5.0	2.215	1.067	34	33.68
5	5 holes	2.9	1.687	0.813	26	25.75

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

Sampler Calibration Relationship (Linear Regression)

Slope(m):<u>32.562</u> Intercept(b):<u>-1.019</u>

Correlation Coefficient(r): 0.9995

Checked by: <u>Magnum Fan</u>

Date: 16/10/2014

Location Calibrated by Date	: : :	ASR 6 P.F.Yeung 10/10/2014
Sampler		
Model	:	TE-5170
Serial Number	:	S/N 3957
Calibration Orfice and Standard Serial Number Service Date Slope (m) Intercept (b) Correlation Coefficient(r)	<u>Calibra</u> : : : :	tion Relationship 2454 14 Mar 2014 2.05818 0.01929 0.99991
Standard Condition		
Pstd (hpa)	:	1013
Tstd (K)	:	298.18

Calibration Condition		
Pa (hpa)	:	1010
Ta(K)	:	301

Resi	stance Plate	dH [green liquid]	Ζ	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	12.4	3.488	1.681	57	56.46
2	13 holes	9.9	3.117	1.502	50	49.53
3	10 holes	7.2	2.658	1.281	43	42.59
4	7 holes	4.8	2.170	1.046	35	34.67
5	5 holes	2.8	1.659	0.799	25	24.76

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

Sampler Calibration Relationship (Linear Regression)

Slope(m):<u>31.290</u> Intercept(b): <u>3.173</u> Correlation Coefficient(r): <u>0.9990</u>

Checked by: <u>Magnum Fan</u>

Date: 14/10/2014

Location Calibrated by Date	: : :	ASR 5 P.F.Yeung 10/12/2014
<u>Sampler</u> Model Serial Number	:	TE-5170 S/N 0816
Calibration Orfice and Standard Serial Number Service Date Slope (m) Intercept (b) Correlation Coefficient(r)	<u>l Calibra</u> : : : :	tion Relationship 2454 14 Mar 2014 2.07593 -0.00102 0.99996
<u>Standard Condition</u> Pstd (hpa) Tstd (K) <u>Calibration Condition</u> Pa (hpa) Ta(K)	: : :	1013 298.18 1019 293

Resi	stance Plate	dH [green liquid]	Ζ	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	11.8	3.475	1.674	54	54.62
2	13 holes	9.4	3.101	1.494	47	47.54
3	10 holes	7.0	2.676	1.290	40	40.46
4	7 holes	4.8	2.216	1.068	32	32.37
5	5 holes	2.9	1.722	0.830	24	24.28

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

Sampler Calibration Relationship (Linear Regression)

Slope(m):<u>35.842</u> Intercept(b): <u>-5.713</u> Correlation Coefficient(r): <u>0.9997</u>

Checked by: <u>Magnum Fan</u>

Location Calibrated by Date	: : :	ASR10 P.F.Yeung 10/12/2014
<u>Sampler</u> Model		TE-5170
Serial Number	• :	S/N 8162
Calibration Orfice and Standard	l Calibra	tion Relationship
Serial Number	:	2454
Service Date	:	14 Mar 2014
Slope (m)	:	2.07593
Intercept (b)	:	-0.00102
Correlation Coefficient(r)	:	0.99996
Standard Condition		
		1013
Pstd (hpa)	•	
Tstd (K)	:	298.18
Calibration Condition		
Pa (hpa)	:	1019
Ta(K)	:	293

_							
	Resi	stance Plate	dH [green liquid]	Z	X=Qstd	IC	Y
			(inch water)		(cubic meter/min)	(chart)	(corrected)
	1	18 holes	12.6	3.590	1.730	62	62.71
	2	13 holes	9.2	3.068	1.478	52	52.60
	3	10 holes	7.0	2.676	1.290	45	45.52
	4	7 holes	4.6	2.169	1.047	36	36.41
Γ	5	5 holes	2.8	1.693	0.816	28	28.32

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>37.576</u> Intercept(b):<u>-2.680</u>

Correlation Coefficient(r): 0.9997

Checked by: <u>Magnum Fan</u>

Location Calibrated by Date	: : :	AQMS1 P.F.Yeung 10/12/2014
<u>Sampler</u> Model Serial Number	:	TE-5170 S/N 1253
Calibration Orfice and Standard C Serial Number Service Date Slope (m) Intercept (b) Correlation Coefficient(r)	alibration : : : :	n Relationship 2454 14 Mar 2014 2.07593 -0.00102 0.99996
<u>Standard Condition</u> Pstd (hpa) Tstd (K) <u>Calibration Condition</u> Pa (hpa) Ta(K)	: : : : : : : : : : : : : : : : : : : :	1013 298.18 1019 293

Resistance Plate		dH [green liquid]	Ζ	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	13.0	3.647	1.757	56	56.64
2	13 holes	10.2	3.230	1.557	50	50.57
3	10 holes	7.8	2.825	1.361	45	45.52
4	7 holes	5.0	2.262	1.090	37	37.42
5	5 holes	3.0	1.752	0.844	31	31.36

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

Sampler Calibration Relationship (Linear Regression)

Slope(m):27.785 Intercept(b): 7.574

Correlation Coefficient(r): 0.9995

Checked by: <u>Magnum Fan</u>

Location	:	ASR 1
Calibrated by	:	P.F.Yeung
Date	:	10/12/2014
<u>Sampler</u> Model Serial Number	:	TE-5170 S/N 0146

Calibration Orfice and Standard Calibration RelationshipSerial Number:2454Service Date:Slope (m):2.07593

biope (iii)	•	2.07070
Intercept (b)	:	-0.00102
Correlation Coefficient(r)	:	0.99996

Standard Condition		
Pstd (hpa)	:	1013
Tstd (K)	:	298.18
Calibration Condition		
Pa (hpa)	:	1019
Ta(K)	:	293

Resistance Plate		dH [green liquid]	Ζ	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	11.8	3.475	1.674	52	52.60
2	13 holes	9.6	3.134	1.510	47	47.54
3	10 holes	7.0	2.676	1.290	38	38.44
4	7 holes	4.6	2.169	1.046	30	30.34
5	5 holes	2.8	1.693	0.816	22	22.25

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>35.713</u> Intercept(b): <u>-7.017</u>

Correlation Coefficient(r): 0.9994

Checked by: <u>Magnum Fan</u>

Location	:	ASR 6
Calibrated by	:	P.F.Yeung
Date	•	10/12/2014
	-	
Sampler_		
Model	:	TE-5170
Serial Number	:	S/N 3957
Calibration Orfice and Standard	Calibra	tion Relationship
Serial Number	:	2454
Service Date	:	14 Mar 2014
Slope (m)	:	2.05818
Intercept (b)	:	0.01929
Correlation Coefficient(r)	:	0.99991
Standard Condition		
Pstd (hpa)	:	1013
		200.10

Tstd (K)	:	298.18
Calibration Condition		
Pa (hpa)	:	1019
Ta(K)	:	293

Resistance Plate		dH [green liquid]	Ζ	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	12.6	3.590	1.730	53	53.61
2	13 holes	9.6	3.134	1.510	46	46.53
3	10 holes	7.2	2.714	1.308	39	39.45
4	7 holes	4.4	2.122	1.023	31	31.36
5	5 holes	3.0	1.752	0.844	25	25.29

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>31.736</u> Intercept(b):<u>-1.473</u>

Correlation Coefficient(r): 0.9995

Checked by: <u>Magnum Fan</u>



1

輝創工程有限公司

Sun Creation Engineering Limited

Calibration and Testing Laboratory

Certificate of Calibration 校正證書

Certificate No.: C146966 證書編號

Manufacturer / 準 Model No. / 型號 Serial No. / 編號 Supplied By / 委	虎 : [:	∃ (Job No. / 序引編號: IC14 Anemometer Lutron AM-4201 AF.27513 Envirotech Services Co. Shop 6, G/F., Casio Mansior Hong Kong		收件日期: 12 November 2014
TEST CONDIT Temperature /	國度: (試條件 23 ± 2)°C 	Relative Humidi	ty / 相對濕度 : (55 ± 20)%
TEST SPECIFI Calibration chec		S/測試規範		
DATE OF TES	4			
THOT DECITI T				
The results apply	y to the par	式 ticular unit-under-test only. he subsequent page(s).		
The results are d	y to the par letailed in t ent used fo	ticular unit-under-test only.	tional Standards via :	
The results apply The results are d The test equipme - Testo Industria	y to the par letailed in t ent used fo	ticular unit-under-test only. he subsequent page(s). r calibration are traceable to Na	tional Standards via :	
The results apply The results are d The test equipme	y to the par letailed in t ent used fo	ticular unit-under-test only. he subsequent page(s). r calibration are traceable to Na	tional Standards via :	

Sun Creation Engineering Limited – Calibration & Testing Laboratory c/o 4/F, Tsing Shan Wan Exchange Building, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong 輝創工程有限公司 – 校正及檢測實驗所 c/o 香港新界屯門興安里一號青山灣機棲四樓 Tel/電話: 2927 2606 Fax/傳真: 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com



輝創工程有限公司

Sun Creation Engineering Limited

Calibration and Testing Laboratory

Certificate of Calibration 校正證書

Certificate No. : C146966 證書編號

- 1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours before the commencement of the test.
- 2. The results presented are the mean of 10 measurements at each calibration point.
- 3. Test equipment :

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

- 4. Test procedure : MA130N.
- 5. Results :

Air Velocity

Applied	UUT	Measured Correction			
Value	Reading	Value	Measurement Uncertainty		
(m/s)	(m/s)	(m/s)	Expanded Uncertainty (m/s)	Coverage Factor	
2.0	1.7	+0.3	0.2	2.0	
4.1	3.8	+0.3	0.3	2.0	
6.1	5.8	+0.3	0.3	2.0	
8.0	7.8	+0.2	0.3	2.0	
10.0	9.9	+0.1	0.4	2.0	

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

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

Note :

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

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

本證書所載校正用之測試器材均可溯源至國際標準。局部複印本證書需先獲本實驗所書面批准。

ENVIROTECH SERVICES CO.

Date of Calibration :	29 June 2014
Brand of Test Meter:	Davis
Model:	Weather Wizard III (s/n: WE90911A30)
Location :	ASR5
Procedures :	
1. Wind Still Test:	The wind speed sensor was hold by hand until it keep still
2. Wind Speed Test:	The wind meter was on-site calibrated against the Anemometer
3. Wind Direction Test :	The wind meter was on-site calibrated against the marine compass at four directions
Results:	

Wind Still Test

Wind Speed (m/s)		
0.00	e e	

Wind Speed Test

5.	Davis (m/s)	Anemomete (m/s)
	1.2	1.1
	2.3	2.5
1	1.7	1.9

Wind Direction Test

N	Davis (o)		Marine Compass (o)	а 17 17
2	271	3	270	
	0	· · · ·	0	
	90		90	
	181		180	

Calibrated by:

Yeung Ping Fai

(Technical Officer)

Checked by :

Ho Kam Fat (Senior Technical Officer)

Calibration Report of Wind Meter

ENVIROTECH SERVICES CO.

- 1	
Date of Calibration :	29 December 2014
Brand of Test Meter:	Davis
Model:	Weather Wizard III (s/n: WE90911A30)
Location :	ASR5
Procedures :	
1. Wind Still Test:	The wind speed sensor was hold by hand until it keep still
2. Wind Speed Test:	The wind meter was on-site calibrated against the Anemometer
3. Wind Direction Test :	The wind meter was on-site calibrated against the marine compass at four directions
Results:	

Calibration Report of Wind Meter

Wind Still Test

Wind Speed (m/s)	
0.00	

Wind Speed Test

Davis (m/s)	Anemomete (m/s)
1.4	1.6
1.9	1.7
2.4	2.5

Wind Direction Test

•		Davis (o)	a a	Marine Compass (o)	
		271		270	
2 		0	е <u>к</u>	0	
6)		91	e li _{zon}	90	
	5	179		180	

Calibrated by:

Yeung Ping Fai

Checked by :

Ho Kam Fat

(Senior Technical Officer)

(Technical Officer)



juipment Ref. No.	: ET/EV	W/008/006			Manufactur	er	: YSI		
lodel No.	: <u>Pro 2030</u> : <u>17/09/2014</u>				Serial No.		: 12A 100554		
ate of Calibration				ampud	Calibration	Due Date	: 16/12/20	14	
Temperature Verific	eation								
Ref. No. of Reference	e Thermom	eter :	ET/0521/0	08					
Ref. No. of Water Ba	ath :								
								<u> </u>	
				······································	Temp	erature (°C)			
Reference Th	ermometer	reading	Measured		20.6	Corrected		20.0	
DO M	eter reading	2	Measured		19.8	Difference		0.2	
Standardization of a	adium this	winh at a (Na -	C O) colu	4.000	······				
Standardization of se			-				· · · · · · · · · · · · · · · · · · ·		
Reagent No. of Na ₂ S	$_{2}O_{3}$ titrant	CPE/	012/4.5/001	/8 Reag	ent No. of 0.0	$25N K_2 Cr_2 O_7$	CPE/012/	4.4/001/27	
p					Trial	1	Tri	al 2	
Initial Vol. of Na ₂ S ₂ C					0.00			10.40	
Final Vol. of Na ₂ S ₂ O					10.40		20.80		
Vol. of $Na_2S_2O_3$ used					10.40		10.40		
Normality of Na ₂ S ₂ O					0.02404			404	
Average Normality (I		O_3 solution (N))			0.02404			
Acceptance criteria, I Calculation:		of No C O N	- 0.25 (ml)	$\frac{\text{Less than} \pm 0.001\text{N}}{\text{Na}_2\text{S}_2\text{O}_3 \text{ used}}$					
Calculation:	Normanty	$01 \ln a_2 S_2 O_3$, in	- 0.237 IIII	$Na_2S_2O_3$ use	J				
Lineality Checking						. , ,			
Determination of dis	solved oxy	gen content by	Winkler Tit	tration *					
Purging Time (min)			2		1	5	1	0	
Trial			1	2	1	2	1	2	
Initial Vol. of Na_2S_2C	D ₃ (ml)	C	0.00	11.90	23.60	0.00	6.60	10.10	
Final Vol. of Na ₂ S ₂ O		1	1.90	23.60	30.20	6.60	10.10	13.60	
Vol. (V) of $Na_2S_2O_3$		1	1.90	11.70	6.60	6.60	3.50	3.50	
Dissolved Oxygen (D			.68	7.55	4.26	4.26	2.26	2.26	
Acceptance criteria, I			Less than +	0.3mg/L	Less that	n + 0.3mg/L	Less than	+ 0.3mg/L	
Calculation:	DO (mg/L)	$= \mathbf{V} \times \mathbf{N} \times 800$	0/298						
Purging time, min	DO	meter reading,	mg/L	Winkle	r Titration res	ult *, mg/L	Difference	(%) of DO	
r urging ume, inin	1	2	Average	1	2	Average	Cor	itent	
2	7.71	7.67	7.69	7.68	7.55	7.62	0.9	91	
	4.20	4.18	4.19	4.26	4.26	4.26	1.0	56	
5		1 2 2 0	2 27	2.26	2.26	2.26	4.7	75	
10	10 2.36 2.38 2.37				1 2.20				



Zero Point Checkin	g						
	DO meter re	ading, mg/L	,			0.00	
Salinity Checking	****		• • • • • • • • • • • • • • • • • • •				
Reagent No. of NaC	(10ppt)	СР	E/012/4.7/002/2	5 Reag	ent No. of Na	CI (30nnt)	CPE/012/4.8/002/25
Determination of di						er (soppi)	CT L/012/4.0/002/23
	ssorveu oxyge					T	un en
Salinity (ppt) Trial				10			30
initial Vol. of Na_2S_2	0 (ml)		<u> </u>		2	1	2
Final Vol. of Na_2S_2			0.00		12.20	24.50	35.40
Vol. (V) of $Na_2S_2O_3$			12.20		24.50	35.40	46.30
Dissolved Oxygen (1)			12.20		12.30	10.90	10.90
Acceptance criteria,			7.87		7.94	7.03	7.03
Calculation:	DO (mg/L)	= V x N x 8		an + 0.3mg	y/L	Les	s than + 0.3mg/L
Salinity (ppt)	DO n	neter readin	ding, mg/L Winkler Titration result			ult**, mg/L	Difference (%) of DO
	1	2	Average	1	2	Average	Content
10	7.79	7.81	7.8	7.87	7.94	7.91	1.40
30	6.92	6.94	6.93	7.03	7.03	7.03	1.43
Acceptance Criteria 1) Differenc betwee 2) Linear regression 3) Zero checking: 0 4) Difference (%) o	en temperaturo n coefficient : .0mg/L f DO content	>0.99	eter reading and	by winkler	titration : with	hin ± 5%	
The equipment comp unacceptable [#] for u Delete as appropria	use.	not comply '	with the specif	ied require	nents and is d	eemed accepta	ble "

5 5 7



juipment Ref. No.	: ET/EV	V/008/006			Manufact	urer	:	YSI		
odel No.	: Pro 20	30			Serial No.		:	12A 1005	12A 100554	
ate of Calibration	: 17/12/	2014			Calibratic	on Due Date	:	16/03/201	5	
Temperature Verific	cation									
Ref. No. of Referenc	e Thermom	eter :	ET/0521	/008						
Ref. No. of Water Ba	ath :									
1				. 1		$\frac{\text{nperature } (^{\circ}\text{C})}{1}$		1		
Reference Th			Measure	i	20.0	Corrected			19.4	
DO M	eter reading		Measure	d	19.4	Difference			0.0	
Standardization of s	odium thios	ulphate (Na	$(1_2S_2O_3)$ so	olution						
Reagent No. of Na ₂ S	₂ O ₃ titrant	CF	E/012/4.5/0	01/9	Reagent No. of (0.025N K ₂ Cr ₂ O	7	CPE/012/	4.4/001/32	
					Tr	al 1		Tri	al 2	
Initial Vol. of Na_2S_2	O ₃ (ml)				0.	00		10.	15	
Final Vol. of Na ₂ S ₂ C	0 ₃ (ml)				10.15			20.35		
Vol. of $Na_2S_2O_3$ used	d (ml)				10.15			10.20		
Normality of Na ₂ S ₂ C					0.02	2463		0.02	451	
Average Normality (N) of Na_2S_2	O3 solution	(N)		0.02457					
Acceptance criteria,					Less than <u>+</u> 0.001N					
L		ANA CO								
Calculation:	Normality of	$51 \text{ Na}_2 \text{S}_2 \text{O}_3,$	N = 0.25 / n	nl Na ₂ S ₂ O	3 used					
L	- 									
Calculation: Lineality Checking Determination of dis	- 		by Winkler	Titration [•]		5		1	0	
Calculation: Lineality Checking	- 		by Winkler			5		1	0 2	
Calculation: Lineality Checking Determination of dis Purging Time (min)	ssolved oxyg		by Winkler	Titration ? 2	*	,				
Calculation: <i>Lineality Checking</i> <i>Determination of dis</i> Purging Time (min) Trial	Ssolved oxyg D ₃ (ml)		by Winkler 2	Titration ? 2 2	* 1) 22.80	2		1	2	
Calculation: <i>Lineality Checking</i> <i>Determination of dis</i> Purging Time (min) Trial Initial Vol. of Na ₂ S ₂ c	Solved oxyg D_3 (ml) D_3 (ml)	·,	by Winkler 1 1 0.00	Titration 7 2 2 11.40	*) 22.80) 29.30	2 0.00		1 6.60	2 10.30	
Calculation: <i>Lineality Checking</i> <i>Determination of dis</i> Purging Time (min) Trial Initial Vol. of Na ₂ S ₂ C Final Vol. of Na ₂ S ₂ C	D_3 (ml) used (ml)	·,	by Winkler 2 1 0.00 11.40	<i>Titration</i> ? 2 11.4(22.8(* 1) 22.80) 29.30) 6.50	2 0.00 6.60		1 6.60 10.30	2 10.30 14.00	
Calculation: <i>Lineality Checking</i> <i>Determination of dis</i> Purging Time (min) Trial Initial Vol. of Na ₂ S ₂ C Final Vol. of Na ₂ S ₂ C Vol. (V) of Na ₂ S ₂ O ₃	D ₃ (ml) D ₃ (ml) used (ml) DO), mg/L Deviation	en content	<i>by Winkler</i> 1 0.00 11.40 11.40 7.52 Less than	<i>Titration</i> 7 2 11.4(22.8(11.4(7.52	* 1) 22.80) 29.30) 6.50 4.29	2 0.00 6.60 6.60		1 6.60 10.30 3.70	2 10.30 14.00 3.70 2.44	
Calculation: <i>Lineality Checking</i> <i>Determination of dis</i> Purging Time (min) Trial Initial Vol. of Na ₂ S ₂ C Final Vol. of Na ₂ S ₂ C Vol. (V) of Na ₂ S ₂ O ₃ Dissolved Oxygen (I	Solved oxyg D_3 (ml) D_3 (ml) used (ml) OO), mg/L	en content	<i>by Winkler</i> 1 0.00 11.40 11.40 7.52 Less than	<i>Titration</i> 7 2 11.4(22.8(11.4(7.52	* 1) 22.80) 29.30) 6.50 4.29	2 0.00 6.60 6.60 4.35		1 6.60 10.30 3.70 2.44	2 10.30 14.00 3.70 2.44	
Calculation: <i>Lineality Checking</i> <i>Determination of dis</i> Purging Time (min) Trial Initial Vol. of Na ₂ S ₂ C Final Vol. of Na ₂ S ₂ C Vol. (V) of Na ₂ S ₂ O ₃ Dissolved Oxygen (I Acceptance criteria, Calculation:	D ₃ (ml) D ₃ (ml) used (ml) DO), mg/L DOV (mg/L)	en content	by Winkler 1 0.00 11.40 11.40 7.52 Less than 3000/298	Titration 5 2 2 11.4(22.8(11.4(7.52 + 0.3mg/l	* 1) 22.80) 29.30) 6.50 4.29	2 0.00 6.60 6.60 4.35 nan + 0.3mg/L		1 6.60 10.30 3.70 2.44 Less than Difference	2 10.30 14.00 3.70 2.44 + 0.3mg/L	
Calculation: <i>Lineality Checking</i> <i>Determination of dis</i> Purging Time (min) Trial Initial Vol. of Na ₂ S ₂ C Final Vol. of Na ₂ S ₂ C Vol. (V) of Na ₂ S ₂ O ₃ Dissolved Oxygen (I Acceptance criteria,	D ₃ (ml) D ₃ (ml) used (ml) DO), mg/L DOV (mg/L)	en content	by Winkler 1 0.00 11.40 11.40 7.52 Less than 3000/298	Titration 7 2 2 11.4(22.8(11.4(7.52 + 0.3mg/l	* 1 22.80 29.30 0 6.50 4.29 Less t 'inkler Titration)	2 0.00 6.60 6.60 4.35 nan + 0.3mg/L		1 6.60 10.30 3.70 2.44 Less than Difference	2 10.30 14.00 3.70 2.44 + 0.3mg/L	
Calculation: <i>Lineality Checking</i> <i>Determination of dis</i> Purging Time (min) Trial Initial Vol. of Na ₂ S ₂ C Final Vol. of Na ₂ S ₂ C Vol. (V) of Na ₂ S ₂ O ₃ Dissolved Oxygen (I Acceptance criteria, Calculation:	D ₃ (ml) D ₃ (ml) used (ml) DO), mg/L Deviation DO (mg/L) DO	en content	1 0.00 11.40 11.40 7.52 Less than 8000/298	Titration 7 2 2 11.4(22.8(11.4(7.52 + 0.3mg/l	* 1 22.80 29.30 0 4.29 Less t Vinkler Titration 1 1 2	2 0.00 6.60 4.35 nan + 0.3mg/L		1 6.60 10.30 3.70 2.44 Less than Difference	2 10.30 14.00 3.70 2.44 + 0.3mg/L (%) of DO tent	
Calculation: Lineality Checking Determination of dis Purging Time (min) Trial Initial Vol. of Na ₂ S ₂ C Final Vol. of Na ₂ S ₂ C Vol. (V) of Na ₂ S ₂ O ₃ Dissolved Oxygen (I Acceptance criteria, Calculation: Purging time, min	D ₃ (ml) D ₃ (ml) used (ml) DO), mg/L Deviation DO (mg/L) DO	en content = V x N x a meter readin 2	by Winkler 1 0.00 11.40 7.52 Less than 3000/298 ng, mg/L Average	Titration 2 11.40 22.80 11.40 7.52 + 0.3mg/l wee	* 1 22.80 29.30 29.30 6.50 4.29 Less t Vinkler Titration 1 2 52 7.52	2 0.00 6.60 4.35 han + 0.3mg/L result *, mg/L Average		1 6.60 10.30 3.70 2.44 Less than Difference Con	2 10.30 14.00 3.70 2.44 + 0.3mg/L (%) of DO ttent 47	
Calculation: Lineality Checking Determination of dis Purging Time (min) Trial Initial Vol. of Na ₂ S ₂ C Vol. (V) of Na ₂ S ₂ O ₃ Dissolved Oxygen (I Acceptance criteria, Calculation: Purging time, min 2	D3 (ml) 03 (ml) used (ml) 00), mg/L Deviation DO (mg/L) 1 7.61	$= V \times N \times \frac{1}{2}$ meter reading 2 7.20	by Winkler 1 0.00 11.40 11.40 7.52 Less than 3000/298 ng, mg/L Averag 7.41	Titration 2 11.4(22.8(11.4(7.52 + 0.3mg/l we ye 7.52	1 22.80 29.30 6.50 4.29 Less t 252 7.52 29 4.35	2 0.00 6.60 4.35 han + 0.3mg/L result *, mg/L Average 7.52		1 6.60 10.30 3.70 2.44 Less than Difference Con 1.4	2 10.30 14.00 3.70 2.44 + 0.3mg/L (%) of DO ttent 47 52	

CEP/012/W



	Zero Point Checking	р 5						
		DO meter re	eading, mg/L				0.00	
	Salinity Checking	100-004 Strift Anno 1 Strift - 1 Te Toris	,	ulaugustan (araan araan araan araan araa				
	Reagent No. of NaC	l (10ppt)	CP	E/012/4.7/002/2	9 Reag	ent No. of NaC	Cl (30ppt)	CPE/012/4.8/002/29
	Determination of dis	ssolved oxyg	en content l	y Winkler Titre	ation **			
	Salinity (ppt)				10			30
	Trial			1		2	1	2
	Initial Vol. of Na_2S_2	O ₃ (ml)		0.00		11.90	23.80	34.40
	Final Vol. of Na_2S_2C	03 (ml)		11.90		23.80	34.40	44.90
	Vol. (V) of $Na_2S_2O_3$	used (ml)		11.90		11.90	10.60	10.50
	Dissolved Oxygen (I	DO), mg/L		7.85		7.85	6.99	6.93
	Acceptance criteria,	Deviation			an + 0.3mg	2/L	Les	ss than + 0.3mg/L
	Calculation:	DO (mg/L)	= V x N x 8					
	Salinity (ppt)	DO	meter readin	g, mg/L	Winkle	r Titration resu	ılt**, mg/L	Difference (%) of DO
		1	2	Average	1	2	Average	Content
	10	7.68	7.78	7.73	7.85	7.85	7.85	1.54
	30	6.88	6.89	6.89	6.99	6.93	6.96	1.01
	Acceptance Criteria (1) Differenc betwee (2) Linear regression (3) Zero checking: 0. (4) Difference (%) o	n temperatur coefficient .0mg/L f DO conten	: >0.99 t from the m	eter reading and	by winkler	[•] titration : with	hin ± 5%	
	The equipment comp / unacceptable [#] for u [#] Delete as appropria	ise.	not-comply '	with the specif	ied require	ments and is d	eemed accepta	ıble "
li	brated by	:	2			Appro	oved by :	
	012/W							
P/								



Performance Check of Salinity Meter								
Equipment Ref. No. : <u>ET/EV</u>	V/008/006	Manufacturer : <u>YSI</u>						
Model No. : <u>Pro 20</u>	30	Serial No. : <u>12A 100554</u>						
Date of Calibration : <u>17/09/</u>	2014	Due Date : <u>16/12/2014</u>						
Ref. No. of Salinity Stand	dard used (30ppt)	S/001/5						
Salinity Standard (ppt)	Measured Salinit (ppt)	ity Difference %						
30.0	30.3	1.0						
(*) Difference (%) = (Measured)	Salinity – Salinity Sta	tandard value) / Salinity Standard value x 100						
Acceptance Criteria Difference : -10 % to 10 %								
The salinity meter complies * / does not comply * with the specified requirements and is deemed acceptable * / unacceptable * for use. Measurements are traceable to national standards.								
Checked by :	App	proved by :						



	Performat	nce Check o	f Sa	linity Meter	
Equ	ipment Ref. No. : <u>ET/EV</u>	V/008/006	Man	ufacturer : <u>YSI</u>	
Mod	lel No. : <u>Pro 20</u>	al No. : <u>12A 100554</u>			
Date	e of Calibration : <u>17/12/</u>	2014	Due	Date : <u>16/03/2015</u>	
	Ref. No. of Salinity Stand	dard used (30ppt)		S/001/5	
	Salinity Standard (ppt)	Measured Salini (ppt)	ty	Difference %	
	30.0	30.5	1.7		
(*)	Difference $(\%) = (Measured)$	Salinity – Salinity St	undard	value) / Salinity Standard value x 100	
Acco	eptance Criteria	Difference : -10 %	o to 10) %	
				with the specified requirements Measurements are traceable to	
Cheo	cked by :	Apj	orovec	l by :	



		Performance Ch	eck of pH Met	er
Equipment Ref. No. : ET/EV	V/007/005	Manufacturer	: HANNA	
Model No. : <u>HI 831</u>	14	Serial No.	: 8246095	
Date of Calibration : 07/11/	/2014	Calibration Due Date	e : 06/12/2014	4
Liquid Junction Error	Mad 2	аннин на		545.004 c
Primary Standard Solution Usec	I: <u>Phosphate</u> 20.0	e Ref N	lo. of Primary Solutio ∆pH ₃	on: <u>003/5.2/001/2</u> ₄ = +0.08
pH value of diluted buffer :	6.79	i in strategick	pH (S)	= 6.881
∆pH = pH(S) - pH of diluted buff		(Observed De		
Liquid Junction Error $(\Delta pH_j) = \Delta p$				
Shift on Stirring				
pH of buffer solution (with stirring	a) pH =	6.90		
	2-10-10-10-10-10-10-10-10-10-10-10-10-10-			
Shift on stirring, $\Delta pH_s = pH_s - pH_s$	$(S) - \Delta p H_j = $	0.008		
Noise, ΔpH_n = difference betwee	en max and min r	eading : 0.00		
Verification of ATC				
Ref. No. of reference thermomet	er used:	ET/0521	/008	
Temperature record from the ref	erence thermom	eter (T _R): 19.4		o c
Temperature record from the AT	C (T _{ATC}):	19.3		°c
Temperature Difference, $ T_R - T_R $	T _{ATC}	0.1		°c
Acceptance Criteria				
Performance	Characteristic	Ac	ceptable Range	
-	Characteristic ∆pHj	Ac	ceptable Range ≤0.05	
Performance Liquid Junction Error Shift on Stirring		Ac	≤0.05 ≤0.02	-
Performance Liquid Junction Error Shift on Stirring Noise	∆pHj ∆pHs ∆pHn		≤0.05 ≤0.02 ≤0.02	
Performance Liquid Junction Error Shift on Stirring	∆pHj ∆pHs ∆pHn	Ac e Difference	≤0.05 ≤0.02	
Performance Liquid Junction Error Shift on Stirring Noise Verifcation of ATC The pH meter complies * / dee unacceptable * for use. Measure	∆pHj ∆pHs ∆pHn Temperatur es not comply *	e Difference with the specified require	≤0.05 ≤0.02 ≤0.02 ≤0.5°C	ned acceptable *
Performance Liquid Junction Error Shift on Stirring Noise Verifcation of ATC	∆pHj ∆pHs ∆pHn Temperatur es not comply *	e Difference with the specified require	≤0.05 ≤0.02 ≤0.02 ≤0.5°C	ned acceptable *



Internal Calibration & Per	formance Check of pH Meter						
Equipment Ref. No.: ET/EW/007/005 M	anufacturer : <u>HANNA</u>						
Model No. HI 8314 Se	erial No. : 8246095						
	alibration Due Date : 06/01/2015						
Liquid Junction Error							
Elquid Sunction Error							
Primary Standard Solution Used : Phosphate	Ref No. of Primary Solution: 003/5.2/001/20						
Temperature of Solution : 20.0	△pH ½ = +0.08						
pH value of diluted buffer : 6.76	pH (S) = <u>6.881</u>						
$\Delta pH = pH(S) - pH of diluted buffer = 0.121$	(Observed Deviation)						
Liquid Junction Error (ΔpH_j) = $\Delta pH - \Delta pH_{\frac{1}{2}} = 0.041$							
Shift on Stirring							
chint on curring							
pH of buffer solution (with stirring), pH_s =	6.94						
Shift on stirring, $\Delta pH_s = pH_s - pH(S) - \Delta pH_j =$	0.018						
Noise							
Noise, ΔpH_n = difference between max and min readir	g: 0.00						
Verification of ATC							
Ref. No. of reference thermometer used:	ET/0521/008						
Temperature record from the reference thermometer (Γ _R): 19.9 ^O C						
Temperature record from the ATC (T _{ATC}):	<u>19.8</u> ^o C						
Temperature Difference, T _R - T _{ATC}	0.1 °C						
Acceptance Criteria							
Performance Characteristic	Acceptable Range						
Liquid Junction Error ΔpHj	≤0.05						
Shift on Stirring △pHs	≤0.02						
Noise ∆pHn	≤0.02						
Verifcation of ATC Temperature Dif	erence ≤0.5°C						
The pH meter complies * / does not comply * with the specified requirements and is deemed acceptable * / unacceptable * for use. Measurements are traceable to national standards. * Delete as appropriate							
1	~						
Calibrated by :	Checked by :						
CPE/015/W							



-	Performance Check of Turbidity Meter								
Equ	Equipment Ref. No. : <u>ET/0505/010</u> Manufacturer : <u>HACH</u>								
Moo	del No.	: <u>2100Q</u>	Serial	l No.	: <u>11110 C 014260</u>				
Date	e of Calibration	: <u>06/10/2014</u>	Due I	Date	: 05/01/2015				
	Ref. No. of Turbi	dity Standard use	d (4000NTU)		005/6.1/001/7				
	Theoretical Valu Standard	•	Measured Value	(NTU)	Difference % *				
	20)	20.6		3.00				
	10	0	102		2.00				
	80	0	790		-1.25				
(*) Difference =	(Measured Value	e – Theoretical Val	ue) / The	oretical 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.									
Prep	Prepared by : Checked by :								

Appendix F

EM&A Monitoring Schedules

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

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

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

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

HY/2012/08 - Tuen Mun - Chek Lap Kok Link Northern Connection Sub-sea Tunnel Section Tentative Air Quality Impact Monitoring Schedule - January 2015

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

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				public holiday 1-Jan	2-Jan	3-Jan
				1-hour TSP - 3 times		
				24-hour TSP - 1 time		
	5.4.4			Impact AQM		40 1.
4-Jan 1-hour TSP - 3 times	5-Jan	6-Jan	7-Jan 1-hour TSP - 3 times	8-Jan	9-Jan	10-Jan 1-hour TSP - 3 times
			24-hour TSP - 3 times			24-hour TSP - 3 times
24-hour TSP - 1 time			24-nour ISP - Turne			24-nour TSP - Tume
Impact AQM			Impact AQM			Impact AQM
11-Jan	12-Jan	13-Jan		15-Jan		17-Jan
		1-hour TSP - 3 times			1-hour TSP - 3 times	
		24-hour TSP - 1 time			24-hour TSP - 1 time	
		Impact AQM			Impact AQM	
18-Jan		20-Jan	21-Jan		23-Jan	24-Jan
	1-hour TSP - 3 times			1-hour TSP - 3 times		
	24-hour TSP - 1 time			24-hour TSP - 1 time		
25-Jan	Impact AQM	27-Jan		Impact AQM	30-Jan	31-Jan
1-hour TSP - 3 times	26-Jan	Z7-Jan	1-hour TSP - 3 times	29-Jan	30-Jan	1-hour TSP - 3 times
24-hour TSP - 1 time			24-hour TSP - 1 time			24-hour TSP - 1 time
Impact AQM			Impact AQM			Impact AQM

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

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

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	01-Dec		03-Dec			06-Dec
	WQM		WQM		WQM	
	Mid-Ebb		Mid-Ebb		Mid-Ebb	
	8:02		10:14		12:01	
	(06:17 - 09:47)		(08:29 - 11:59)		(10:16 - 13:46)	
	Mid-Flood		Mid-Flood		Mid-Flood	
	15:02		16:23		17:35	
	(13:17 - 16:47)		(14:38 - 18:08)		(15:50 - 19:20)	
07-Dec	08-Dec	09-Dec	10-Dec			13-Dec
	WQM		WQM		WQM	
	Mid-Ebb		Mid-Flood		Mid-Flood	
	14:04		10:09		11:28	
	(12:19 - 15:49)		(08:24 - 11:54)		(09:43 - 13:13)	
	Mid-Flood		Mid-Ebb		Mid-Ebb	
	19:16		15:18		16:40	
	(17:31 - 21:01)		(13:33 - 17:03)		(14:55 - 18:25)	
14-Dec	15-Dec		17-Dec			20-Dec
	WQM		WQM		WQM	
	Mid-Flood		Mid-Ebb		Mid-Ebb	
	13:45		8:46		10:53	
	(12:00 - 15:30)		(07:01 - 10:31)		(09:08 - 12:38)	
	Mid-Ebb		Mid-Flood		Mid-Flood	
	20:15		15:06		16:23	
	(18:30 - 22:00)		(13:21 - 16:51)		(14:38 - 18:08)	
21-Dec	22-Dec	23-Dec	24-Dec	25-Dec	26-Dec	27-Dec
	WQM		WQM			
	Mid-Ebb		Mid-Flood			
	13:13		9:18			
	(11:28 - 14:58)		(07:33 - 11:03)			
	Mid-Flood		Mid-Ebb			
	18:27		14:43			
	(16:42 - 20:12)		(12:58 - 16:28)			
28-Dec	29-Dec	30-Dec	31-Dec	01-Jan	02-Jan	03-Jan
	WQM		WQM			
	Mid-Flood		Mid-Ebb			
	13:19		8:41			
	(11:34 - 15:04)		(06:56 - 10:26)			
	Mid-Ebb		Mid-Flood			
	19:57		15:00			
	(18:12 - 21:42)		(13:15 - 16:45)			

Remarks: WQM on 26 December 2014 was postponed to 29 December 2014 since no marine works was conducted on 25 and 26 December 2014.

HY/2012/08 - Tuen Mun - Chek Lap Kok Link - Northern Connection Sub-sea Tunnel Section Tentative Impact Marine Water Quality Monitoring (WQM) Schedule (January 15)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				01-Jan	02-Jan	03-Jan
					WQM	
					Mid-Ebb	
					11:02	
					(09:17 - 12:47)	
					Mid-Flood	
					16:29	
					(14:44 - 18:14)	
04-Jan		06-Jan	07-Jan	08-Jan	09-Jan	10-Jan
	WQM		WQM		WQM	
	Mid-Ebb		Mid-Flood		Mid-Flood	
	13:09		9:04		9:59	
	(11:24 - 14:54)		(07:19 - 10:49)		(08:14 - 11:44)	
	Mid-Flood		Mid-Ebb		Mid-Ebb	
	18:25		14:18		15:21	
	(16:40 - 20:10)		(12:33 - 16:03)		(13:36 - 17:06)	
11-Jan	12-Jan	13-Jan		15-Jan	16-Jan	17-Jan
	WQM		WQM		WQM	
	Mid-Flood		Mid-Flood		Mid-Ebb	
	11:36		13:04		9:19	
	(09:51 - 13:21)		(11:19 - 14:49)		(07:34 - 11:04)	
	Mid-Ebb		Mid-Ebb		Mid-Flood	
	17:35		20:05		14:49	
	(15:50 - 19:20)		(18:20 - 21:50)		(13:04 - 16:34)	
18-Jan		20-Jan		22-Jan	23-Jan	24-Jan
	WQM		WQM		WQM	
	Mid-Ebb		Mid-Ebb		Mid-Flood	
	12:13		13:42		9:33	
	(10:28 - 13:58)		(11:57 - 15:27)		(07:48 - 11:18)	
	Mid-Flood		Mid-Flood		Mid-Ebb	
	17:26		19:04		15:11	
	(16:13 - 19:43)		(17:19 - 20:49)		(13:26 - 16:56)	
25-Jan	26-Jan	27-Jan		29-Jan	30-Jan	31-Jan
	WQM Mist Flags		WQM		WQM	
	Mid-Flood		Mid-Flood		Mid-Ebb	
	11:34		13:09		9:47	
	(09:49 - 13:19)		(11:24 - 14:54)		(08:20 - 11:15)	
	Mid-Ebb		Mid-Ebb		Mid-Flood	
	17:58		20:31		15:04	
	(16:13 - 19:43)		(18:46 - 22:16)		(13:19 - 16:49)	

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

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

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

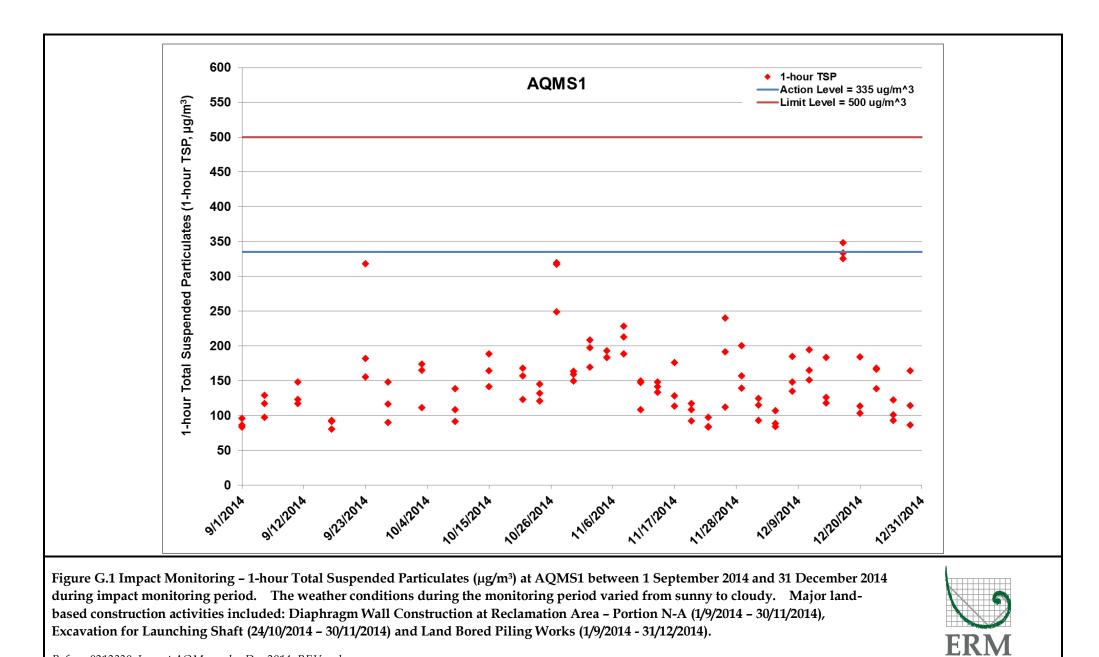
HY/2012/08 - Tuen Mun - Chek Lap Kok Link Northern Connection Sub-sea Tunnel Section Tentative Impact Dolphin Monitoring Survey Monitoring Schedule - January 2015

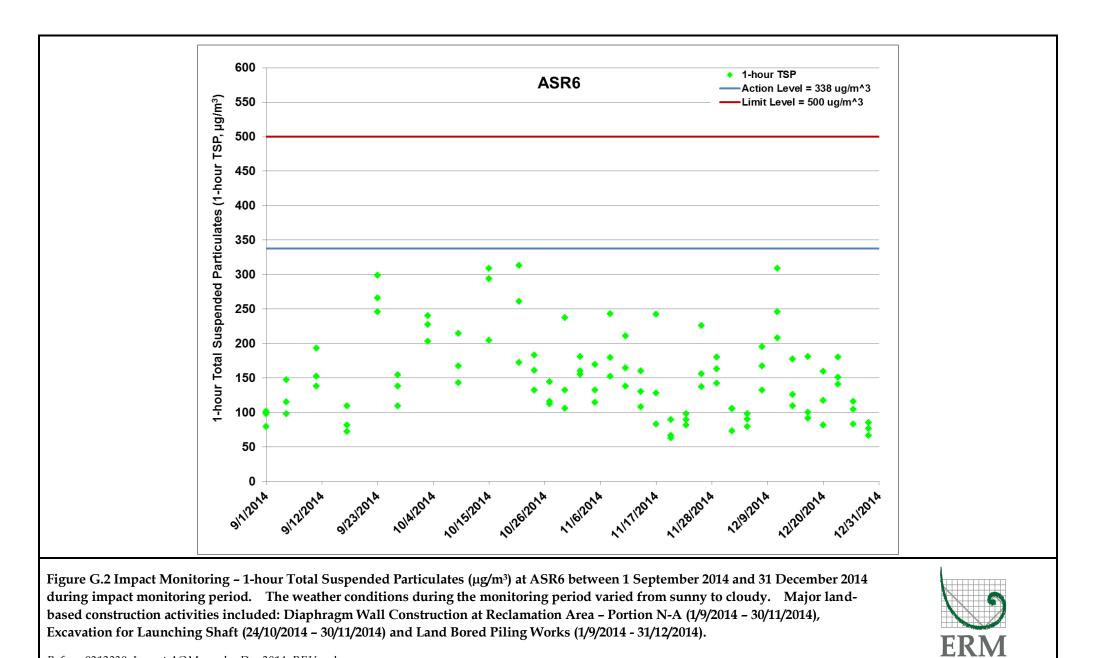
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				01-Jan		
04-Jan	05-Jan	06-Jan	07-Jan		09-Jan	10-Jan
				Impact Dolphin Monitoring		
11-Jan	12-Jan	13-Jan	14-Jan	15-Jan	16-Jan	17-Jan
				Impact Dolphin Monitoring		
18-Jan	19-Jan	20-Jan	21-Jan	22-Jan	23-Jan	24-Jan
		Impact Dolphin Monitoring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

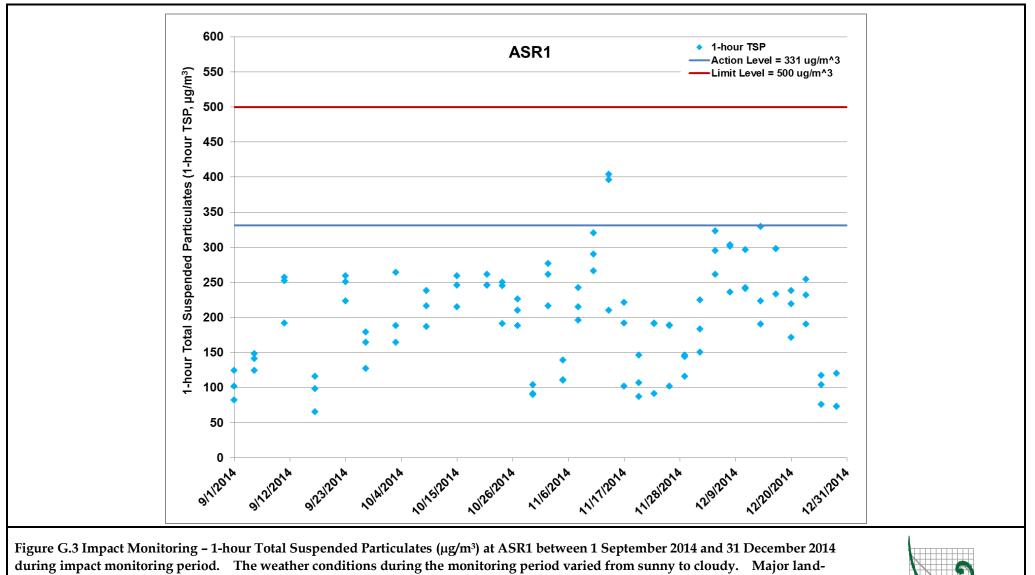
The schedule is subject to agreement from the EPD on the monitoring times. The schedule will be revised after reviewing the progress of the construction works or due to adverse (safety, weather etc) conditions.

Appendix G

Impact Air Quality Monitoring Results

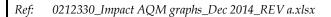


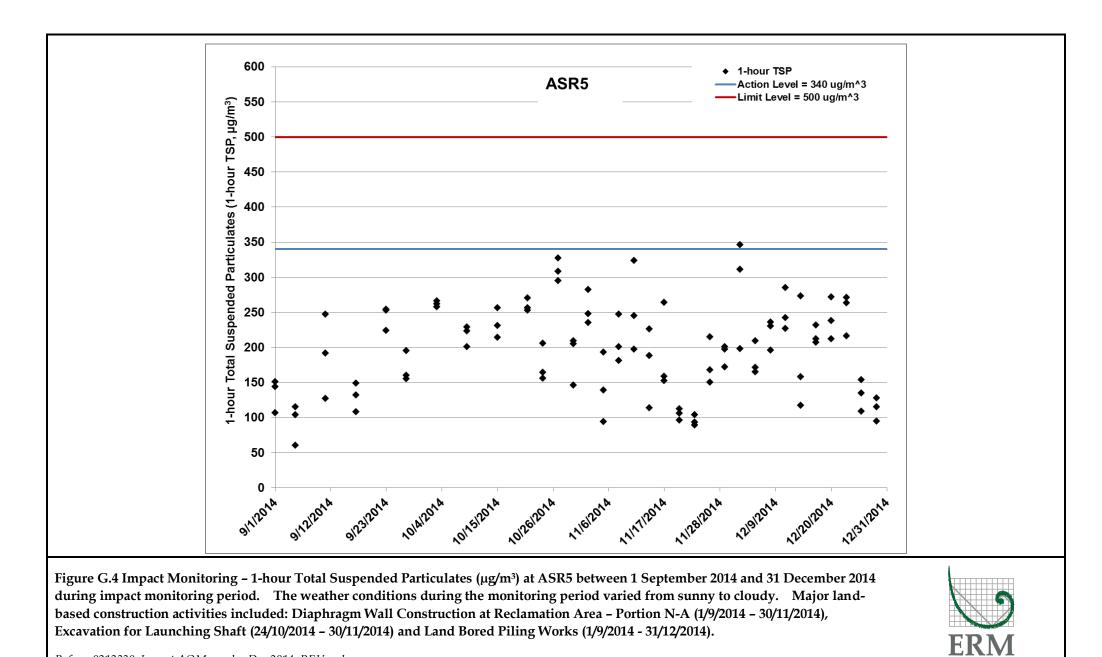


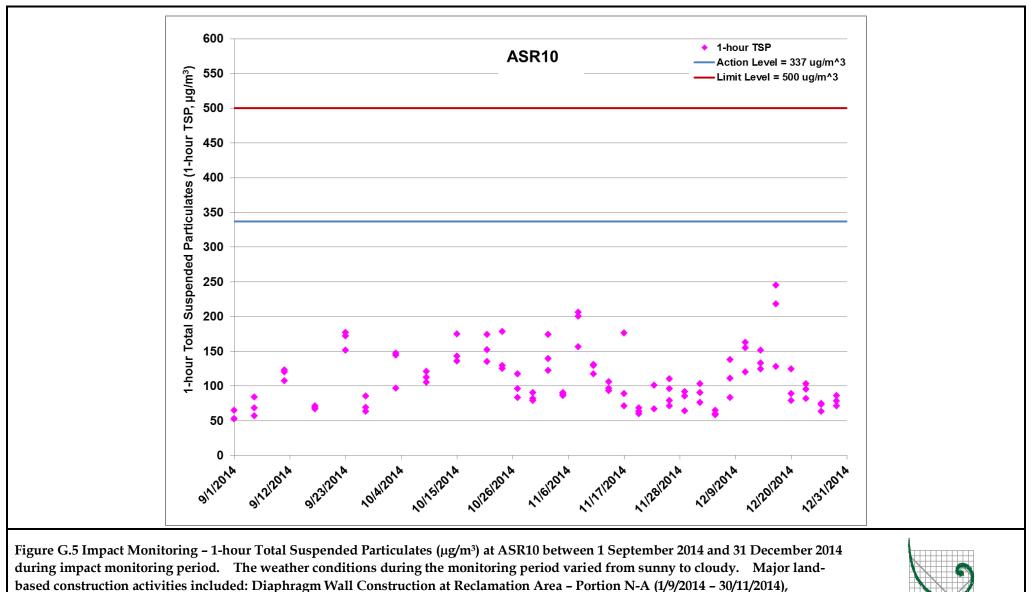


ERM

based construction activities included: Diaphragm Wall Construction at Reclamation Area – Portion N-A (1/9/2014 – 30/11/2014), Excavation for Launching Shaft (24/10/2014 – 30/11/2014) and Land Bored Piling Works (1/9/2014 - 31/12/2014).

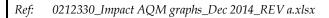


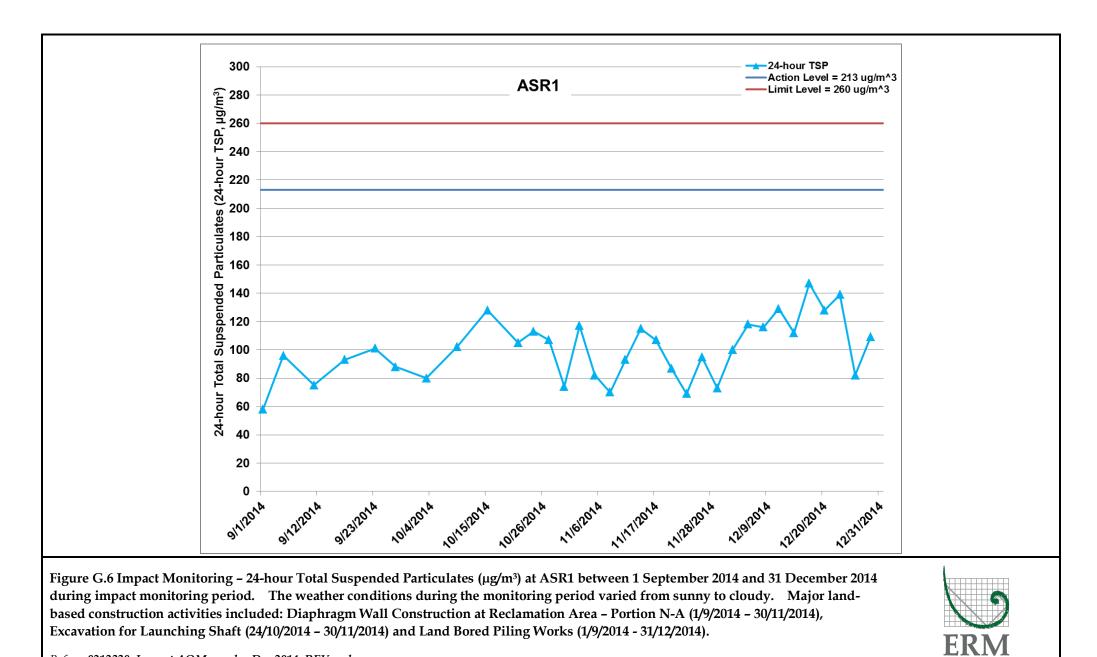


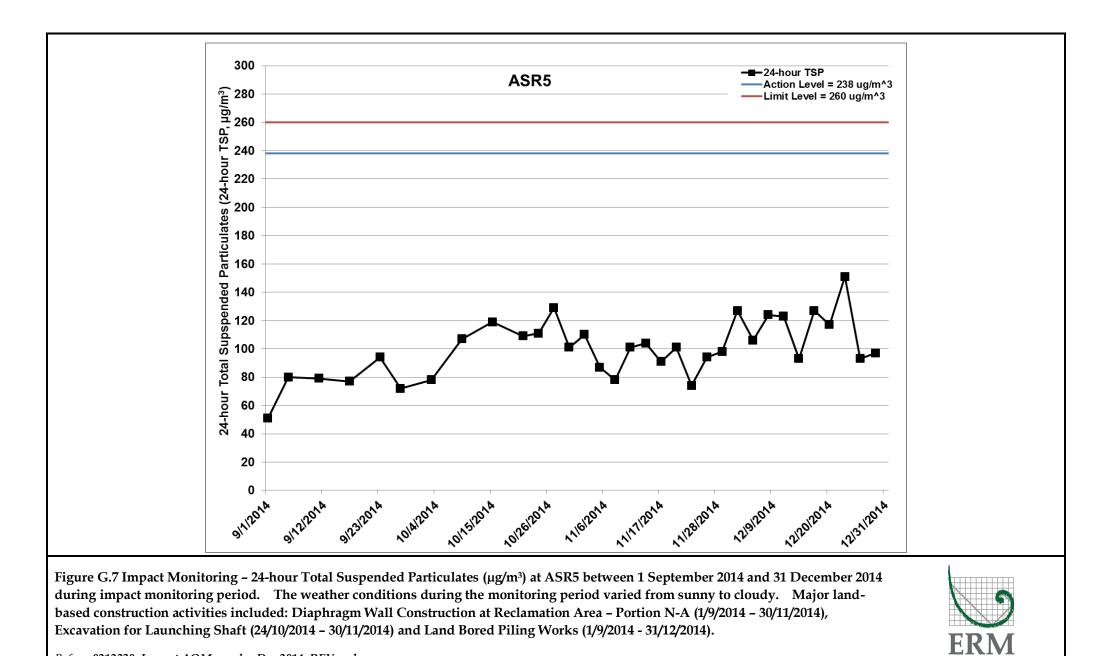


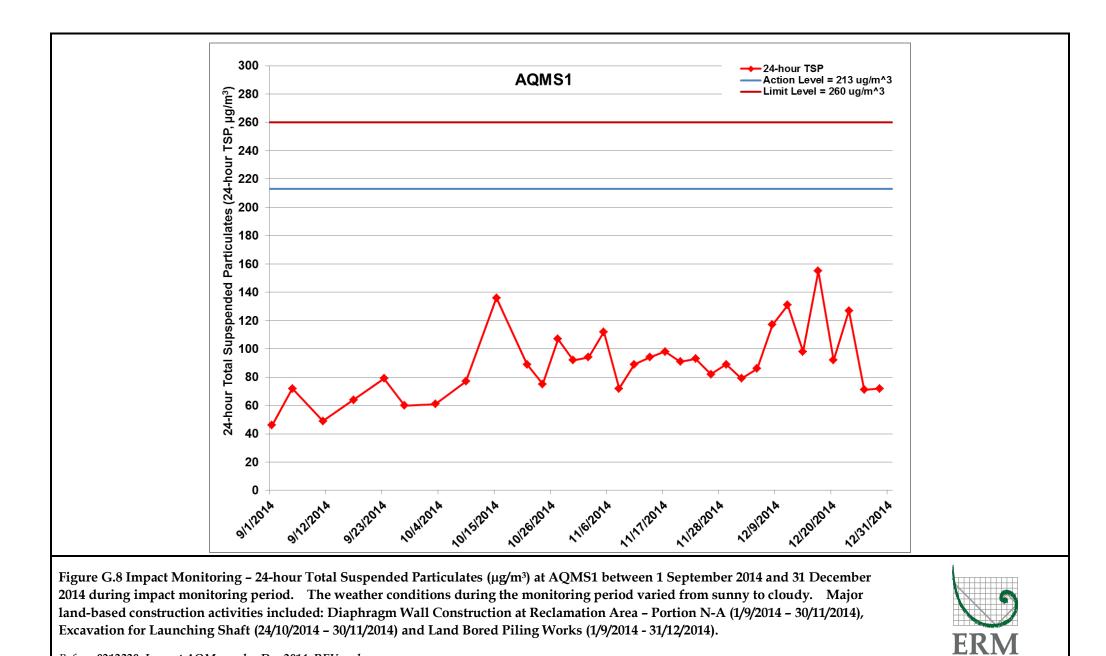
ERM

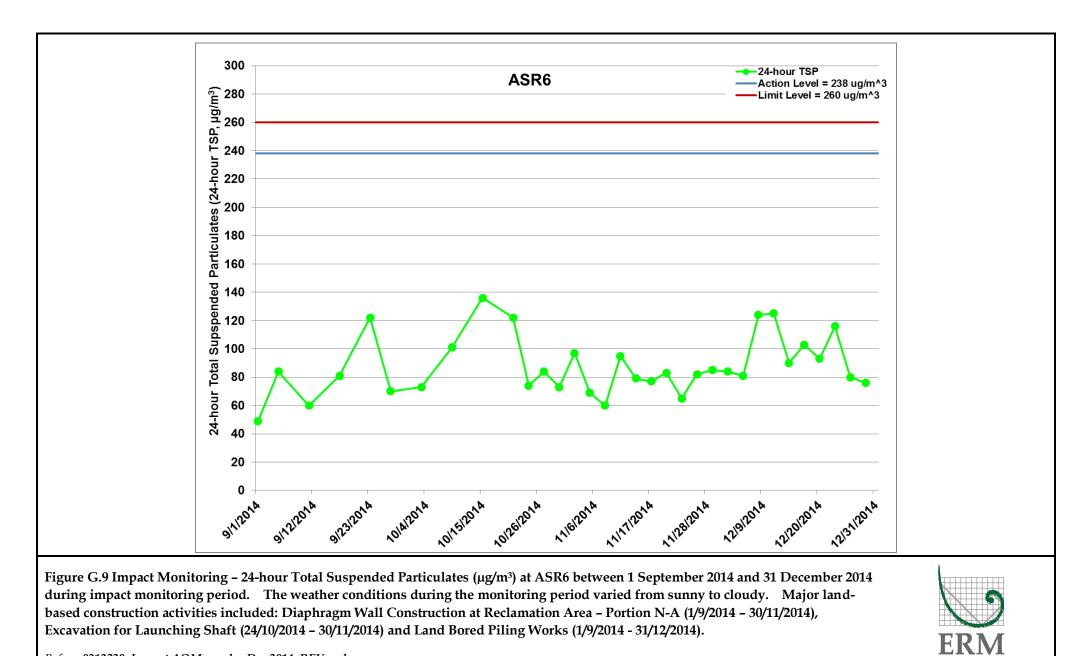
Excavation for Launching Shaft (24/10/2014 – 30/11/2014) and Land Bored Piling Works (1/9/2014 - 31/12/2014).



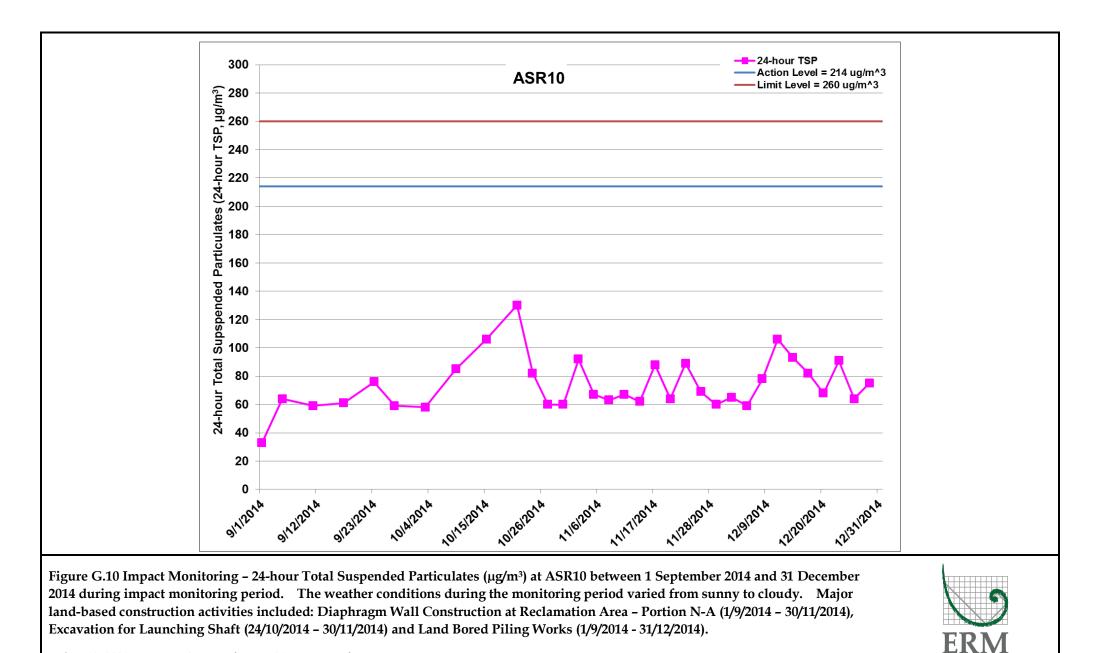








Ref: 0212330_Impact AQM graphs_Dec 2014_REV a.xlsx



Ref: 0212330_Impact AQM graphs_Dec 2014_REV a.xlsx

Project	Works	Date	Station	Weather	Start time	Parameters	Results	units
TMCLKL	HY/2012/08	2014-12-02	ASR6	Cloudy	12:55	1-hour TSP	73	ug/m3
TMCLKL	HY/2012/08	2014-12-02	ASR6	Cloudy	13:57	1-hour TSP	105	ug/m3
TMCLKL	HY/2012/08	2014-12-02	ASR6	Cloudy	14:59	1-hour TSP	106	ug/m3
TMCLKL	HY/2012/08	2014-12-02	ASR10	Cloudy	12:43	1-hour TSP	103	ug/m3
TMCLKL	HY/2012/08	2014-12-02	ASR10	Cloudy	13:45	1-hour TSP	76	ug/m3
TMCLKL	HY/2012/08	2014-12-02	ASR10	Cloudy	14:47	1-hour TSP	90	ug/m3
TMCLKL	HY/2012/08	2014-12-02	ASR5	Cloudy	13:06	1-hour TSP	198	ug/m3
TMCLKL	HY/2012/08	2014-12-02	ASR5	Cloudy	14:08	1-hour TSP	311	ug/m3
TMCLKL	HY/2012/08	2014-12-02	ASR5	Cloudy	15:10	1-hour TSP	346	ug/m3
TMCLKL	HY/2012/08	2014-12-02	ASR1	Cloudy	13:17	1-hour TSP	225	ug/m3
TMCLKL	HY/2012/08	2014-12-02	ASR1	Cloudy	14:19	1-hour TSP	150	ug/m3
TMCLKL	HY/2012/08	2014-12-02	ASR1	Cloudy	15:21	1-hour TSP	183	ug/m3
TMCLKL	HY/2012/08	2014-12-02	AQMS1	Cloudy	13:29	1-hour TSP	115	ug/m3
TMCLKL	HY/2012/08	2014-12-02	AQMS1	Cloudy	14:31	1-hour TSP	93	ug/m3
TMCLKL	HY/2012/08	2014-12-02	AQMS1	Cloudy	15:33	1-hour TSP	124	ug/m3
TMCLKL	HY/2012/08	2014-12-05	ASR1	Cloudy	08:38	1-hour TSP	323	ug/m3
TMCLKL	HY/2012/08	2014-12-05	ASR1	Cloudy	09:40	1-hour TSP	261	ug/m3
TMCLKL	HY/2012/08	2014-12-05	ASR1	Cloudy	10:42	1-hour TSP	295	ug/m3
TMCLKL	HY/2012/08	2014-12-05	ASR5	Cloudy	08:27	1-hour TSP	209	ug/m3
TMCLKL	HY/2012/08	2014-12-05	ASR5	Cloudy	09:29	1-hour TSP	165	ug/m3
TMCLKL	HY/2012/08	2014-12-05	ASR5	Cloudy	10:31	1-hour TSP	171	ug/m3
TMCLKL	HY/2012/08	2014-12-05	ASR6	Cloudy	08:16	1-hour TSP	90	ug/m3
TMCLKL	HY/2012/08	2014-12-05	ASR6	Cloudy	09:18	1-hour TSP	79	ug/m3
TMCLKL	HY/2012/08	2014-12-05	ASR6	Cloudy	10:20	1-hour TSP	98	ug/m3
TMCLKL	HY/2012/08	2014-12-05	ASR10	Cloudy	08:05	1-hour TSP	65	ug/m3
TMCLKL	HY/2012/08	2014-12-05	ASR10	Cloudy	09:07	1-hour TSP	60	ug/m3
TMCLKL	HY/2012/08	2014-12-05	ASR10	Cloudy	10:09	1-hour TSP	58	ug/m3
TMCLKL	HY/2012/08	2014-12-05	AQMS1	Cloudy	08:50	1-hour TSP	107	ug/m3
TMCLKL	HY/2012/08	2014-12-05	AQMS1	Cloudy	09:52	1-hour TSP	88	ug/m3
TMCLKL	HY/2012/08	2014-12-05	AQMS1	Cloudy	10:54	1-hour TSP	84	ug/m3

Project	Works	Date	Station	Weather	Start time	Parameters	Results	units
TMCLKL	HY/2012/08	2014-12-08	AQMS1	Cloudy	14:19	1-hour TSP	135	ug/m3
TMCLKL	HY/2012/08	2014-12-08	AQMS1	Cloudy	15:21	1-hour TSP	185	ug/m3
TMCLKL	HY/2012/08	2014-12-08	AQMS1	Cloudy	16:23	1-hour TSP	148	ug/m3
TMCLKL	HY/2012/08	2014-12-08	ASR1	Cloudy	14:08	1-hour TSP	301	ug/m3
TMCLKL	HY/2012/08	2014-12-08	ASR1	Cloudy	15:10	1-hour TSP	303	ug/m3
TMCLKL	HY/2012/08	2014-12-08	ASR1	Cloudy	16:12	1-hour TSP	236	ug/m3
TMCLKL	HY/2012/08	2014-12-08	ASR5	Cloudy	13:56	1-hour TSP	236	ug/m3
TMCLKL	HY/2012/08	2014-12-08	ASR5	Cloudy	14:58	1-hour TSP	230	ug/m3
TMCLKL	HY/2012/08	2014-12-08	ASR5	Cloudy	16:00	1-hour TSP	196	ug/m3
TMCLKL	HY/2012/08	2014-12-08	ASR6	Cloudy	13:46	1-hour TSP	132	ug/m3
TMCLKL	HY/2012/08	2014-12-08	ASR6	Cloudy	14:48	1-hour TSP	167	ug/m3
TMCLKL	HY/2012/08	2014-12-08	ASR6	Cloudy	15:50	1-hour TSP	195	ug/m3
TMCLKL	HY/2012/08	2014-12-08	ASR10	Cloudy	13:35	1-hour TSP	83	ug/m3
TMCLKL	HY/2012/08	2014-12-08	ASR10	Cloudy	14:37	1-hour TSP	111	ug/m3
TMCLKL	HY/2012/08	2014-12-08	ASR10	Cloudy	15:39	1-hour TSP	138	ug/m3
TMCLKL	HY/2012/08	2014-12-11	AQMS1	Sunny	14:44	1-hour TSP	194	ug/m3
TMCLKL	HY/2012/08	2014-12-11	AQMS1	Sunny	15:46	1-hour TSP	151	ug/m3
TMCLKL	HY/2012/08	2014-12-11	AQMS1	Sunny	16:48	1-hour TSP	165	ug/m3
TMCLKL	HY/2012/08	2014-12-11	ASR1	Sunny	14:32	1-hour TSP	242	ug/m3
TMCLKL	HY/2012/08	2014-12-11	ASR1	Sunny	15:34	1-hour TSP	241	ug/m3
TMCLKL	HY/2012/08	2014-12-11	ASR1	Sunny	16:36	1-hour TSP	296	ug/m3
TMCLKL	HY/2012/08	2014-12-11	ASR5	Sunny	14:22	1-hour TSP	285	ug/m3
TMCLKL	HY/2012/08	2014-12-11	ASR5	Sunny	15:24	1-hour TSP	242	ug/m3
TMCLKL	HY/2012/08	2014-12-11	ASR5	Sunny	16:26	1-hour TSP	227	ug/m3
TMCLKL	HY/2012/08	2014-12-11	ASR6	Sunny	14:11	1-hour TSP	309	ug/m3
TMCLKL	HY/2012/08	2014-12-11	ASR6	Sunny	15:13	1-hour TSP	246	ug/m3
TMCLKL	HY/2012/08	2014-12-11	ASR6	Sunny	16:15	1-hour TSP	208	ug/m3
TMCLKL	HY/2012/08	2014-12-11	ASR10	Sunny	14:00	1-hour TSP	120	ug/m3
TMCLKL	HY/2012/08	2014-12-11	ASR10	Sunny	15:02	1-hour TSP	163	ug/m3
TMCLKL	HY/2012/08	2014-12-11	ASR10	Sunny	16:04	1-hour TSP	155	ug/m3

Project	Works	Date	Station	Weather	Start time	Parameters	Results	units
TMCLKL	HY/2012/08	2014-12-14	AQMS1	Sunny	08:45	1-hour TSP	183	ug/m3
TMCLKL	HY/2012/08	2014-12-14	AQMS1	Sunny	09:47	1-hour TSP	118	ug/m3
TMCLKL	HY/2012/08	2014-12-14	AQMS1	Sunny	10:49	1-hour TSP	126	ug/m3
TMCLKL	HY/2012/08	2014-12-14	ASR1	Sunny	08:34	1-hour TSP	329	ug/m3
TMCLKL	HY/2012/08	2014-12-14	ASR1	Sunny	09:36	1-hour TSP	223	ug/m3
TMCLKL	HY/2012/08	2014-12-14	ASR1	Sunny	10:38	1-hour TSP	190	ug/m3
TMCLKL	HY/2012/08	2014-12-14	ASR5	Sunny	08:23	1-hour TSP	273	ug/m3
TMCLKL	HY/2012/08	2014-12-14	ASR5	Sunny	09:25	1-hour TSP	158	ug/m3
TMCLKL	HY/2012/08	2014-12-14	ASR5	Sunny	10:27	1-hour TSP	117	ug/m3
TMCLKL	HY/2012/08	2014-12-14	ASR6	Sunny	08:12	1-hour TSP	177	ug/m3
TMCLKL	HY/2012/08	2014-12-14	ASR6	Sunny	09:14	1-hour TSP	109	ug/m3
TMCLKL	HY/2012/08	2014-12-14	ASR6	Sunny	10:16	1-hour TSP	126	ug/m3
TMCLKL	HY/2012/08	2014-12-14	ASR10	Sunny	08:00	1-hour TSP	151	ug/m3
TMCLKL	HY/2012/08	2014-12-14	ASR10	Sunny	09:02	1-hour TSP	124	ug/m3
TMCLKL	HY/2012/08	2014-12-14	ASR10	Sunny	10:04	1-hour TSP	133	ug/m3
TMCLKL	HY/2012/08	2014-12-17	ASR10	Sunny	12:57	1-hour TSP	218	ug/m3
TMCLKL	HY/2012/08	2014-12-17	ASR10	Sunny	13:59	1-hour TSP	245	ug/m3
TMCLKL	HY/2012/08	2014-12-17	ASR10	Sunny	15:01	1-hour TSP	128	ug/m3
TMCLKL	HY/2012/08	2014-12-17	ASR6	Sunny	13:09	1-hour TSP	100	ug/m3
TMCLKL	HY/2012/08	2014-12-17	ASR6	Sunny	14:11	1-hour TSP	91	ug/m3
TMCLKL	HY/2012/08	2014-12-17	ASR6	Sunny	15:13	1-hour TSP	181	ug/m3
TMCLKL	HY/2012/08	2014-12-17	ASR5	Sunny	13:20	1-hour TSP	207	ug/m3
TMCLKL	HY/2012/08	2014-12-17	ASR5	Sunny	14:22	1-hour TSP	212	ug/m3
TMCLKL	HY/2012/08	2014-12-17	ASR5	Sunny	15:24	1-hour TSP	232	ug/m3
TMCLKL	HY/2012/08	2014-12-17	ASR1	Sunny	13:30	1-hour TSP	298	ug/m3
TMCLKL	HY/2012/08	2014-12-17	ASR1	Sunny	14:32	1-hour TSP	298	ug/m3
TMCLKL	HY/2012/08	2014-12-17	ASR1	Sunny	15:34	1-hour TSP	233	ug/m3
TMCLKL	HY/2012/08	2014-12-17	AQMS1	Sunny	13:42	1-hour TSP	325	ug/m3
TMCLKL	HY/2012/08	2014-12-17	AQMS1	Sunny	14:44	1-hour TSP	348	ug/m3
TMCLKL	HY/2012/08	2014-12-17	AQMS1	Sunny	15:46	1-hour TSP	333	ug/m3

Project	Works	Date	Station	Weather	Start time	Parameters	Results	units
TMCLKL	HY/2012/08	2014-12-20	ASR10	Sunny	08:00	1-hour TSP	124	ug/m3
TMCLKL	HY/2012/08	2014-12-20	ASR10	Sunny	09:02	1-hour TSP	79	ug/m3
TMCLKL	HY/2012/08	2014-12-20	ASR10	Sunny	10:04	1-hour TSP	89	ug/m3
TMCLKL	HY/2012/08	2014-12-20	ASR6	Sunny	08:10	1-hour TSP	159	ug/m3
TMCLKL	HY/2012/08	2014-12-20	ASR6	Sunny	09:12	1-hour TSP	117	ug/m3
TMCLKL	HY/2012/08	2014-12-20	ASR6	Sunny	10:14	1-hour TSP	81	ug/m3
TMCLKL	HY/2012/08	2014-12-20	ASR5	Sunny	08:23	1-hour TSP	272	ug/m3
TMCLKL	HY/2012/08	2014-12-20	ASR5	Sunny	09:25	1-hour TSP	238	ug/m3
TMCLKL	HY/2012/08	2014-12-20	ASR5	Sunny	10:27	1-hour TSP	212	ug/m3
TMCLKL	HY/2012/08	2014-12-20	ASR1	Sunny	08:33	1-hour TSP	238	ug/m3
TMCLKL	HY/2012/08	2014-12-20	ASR1	Sunny	09:35	1-hour TSP	219	ug/m3
TMCLKL	HY/2012/08	2014-12-20	ASR1	Sunny	10:37	1-hour TSP	171	ug/m3
TMCLKL	HY/2012/08	2014-12-20	AQMS1	Sunny	08:45	1-hour TSP	184	ug/m3
TMCLKL	HY/2012/08	2014-12-20	AQMS1	Sunny	09:47	1-hour TSP	113	ug/m3
TMCLKL	HY/2012/08	2014-12-20	AQMS1	Sunny	10:49	1-hour TSP	103	ug/m3
TMCLKL	HY/2012/08	2014-12-23	ASR10	Cloudy	13:00	1-hour TSP	103	ug/m3
TMCLKL	HY/2012/08	2014-12-23	ASR10	Cloudy	14:02	1-hour TSP	82	ug/m3
TMCLKL	HY/2012/08	2014-12-23	ASR10	Cloudy	15:04	1-hour TSP	95	ug/m3
TMCLKL	HY/2012/08	2014-12-23	ASR6	Cloudy	13:13	1-hour TSP	141	ug/m3
TMCLKL	HY/2012/08	2014-12-23	ASR6	Cloudy	14:15	1-hour TSP	180	ug/m3
TMCLKL	HY/2012/08	2014-12-23	ASR6	Cloudy	15:17	1-hour TSP	151	ug/m3
TMCLKL	HY/2012/08	2014-12-23	ASR5	Cloudy	13:24	1-hour TSP	216	ug/m3
TMCLKL	HY/2012/08	2014-12-23	ASR5	Cloudy	14:26	1-hour TSP	263	ug/m3
TMCLKL	HY/2012/08	2014-12-23	ASR5	Cloudy	15:28	1-hour TSP	271	ug/m3
TMCLKL	HY/2012/08	2014-12-23	ASR1	Cloudy	13:35	1-hour TSP	232	ug/m3
TMCLKL	HY/2012/08	2014-12-23	ASR1	Cloudy	14:37	1-hour TSP	254	ug/m3
TMCLKL	HY/2012/08	2014-12-23	ASR1	Cloudy	15:39	1-hour TSP	190	ug/m3
TMCLKL	HY/2012/08	2014-12-23	AQMS1	Cloudy	13:46	1-hour TSP	168	ug/m3
TMCLKL	HY/2012/08	2014-12-23	AQMS1	Cloudy	14:48	1-hour TSP	138	ug/m3
TMCLKL	HY/2012/08	2014-12-23	AQMS1	Cloudy	15:50	1-hour TSP	166	ug/m3

Project	Works	Date	Station	Weather	Start time	Parameters	Results	units
TMCLKL	HY/2012/08	2014-12-26	ASR10	Cloudy	08:18	1-hour TSP	73	ug/m3
TMCLKL	HY/2012/08	2014-12-26	ASR10	Cloudy	09:20	1-hour TSP	63	ug/m3
TMCLKL	HY/2012/08	2014-12-26	ASR10	Cloudy	10:22	1-hour TSP	75	ug/m3
TMCLKL	HY/2012/08	2014-12-26	ASR6	Cloudy	08:29	1-hour TSP	104	ug/m3
TMCLKL	HY/2012/08	2014-12-26	ASR6	Cloudy	09:31	1-hour TSP	83	ug/m3
TMCLKL	HY/2012/08	2014-12-26	ASR6	Cloudy	10:33	1-hour TSP	116	ug/m3
TMCLKL	HY/2012/08	2014-12-26	ASR5	Cloudy	08:42	1-hour TSP	154	ug/m3
TMCLKL	HY/2012/08	2014-12-26	ASR5	Cloudy	09:44	1-hour TSP	109	ug/m3
TMCLKL	HY/2012/08	2014-12-26	ASR5	Cloudy	10:46	1-hour TSP	135	ug/m3
TMCLKL	HY/2012/08	2014-12-26	ASR1	Cloudy	08:54	1-hour TSP	117	ug/m3
TMCLKL	HY/2012/08	2014-12-26	ASR1	Cloudy	09:56	1-hour TSP	76	ug/m3
TMCLKL	HY/2012/08	2014-12-26	ASR1	Cloudy	10:58	1-hour TSP	104	ug/m3
TMCLKL	HY/2012/08	2014-12-26	AQMS1	Cloudy	09:05	1-hour TSP	122	ug/m3
TMCLKL	HY/2012/08	2014-12-26	AQMS1	Cloudy	10:07	1-hour TSP	101	ug/m3
TMCLKL	HY/2012/08	2014-12-26	AQMS1	Cloudy	11:09	1-hour TSP	93	ug/m3
TMCLKL	HY/2012/08	2014-12-29	ASR10	Sunny	14:00	1-hour TSP	86	ug/m3
TMCLKL	HY/2012/08	2014-12-29	ASR10	Sunny	15:02	1-hour TSP	71	ug/m3
TMCLKL	HY/2012/08	2014-12-29	ASR10	Sunny	16:04	1-hour TSP	78	ug/m3
TMCLKL	HY/2012/08	2014-12-29	ASR6	Sunny	14:11	1-hour TSP	85	ug/m3
TMCLKL	HY/2012/08	2014-12-29	ASR6	Sunny	15:13	1-hour TSP	66	ug/m3
TMCLKL	HY/2012/08	2014-12-29	ASR6	Sunny	16:15	1-hour TSP	76	ug/m3
TMCLKL	HY/2012/08	2014-12-29	ASR5	Sunny	14:23	1-hour TSP	95	ug/m3
TMCLKL	HY/2012/08	2014-12-29	ASR5	Sunny	15:25	1-hour TSP	115	ug/m3
TMCLKL	HY/2012/08	2014-12-29	ASR5	Sunny	16:27	1-hour TSP	128	ug/m3
TMCLKL	HY/2012/08	2014-12-29	ASR1	Sunny	14:35	1-hour TSP	73	ug/m3
TMCLKL	HY/2012/08	2014-12-29	ASR1	Sunny	15:37	1-hour TSP	73	ug/m3
TMCLKL	HY/2012/08	2014-12-29	ASR1	Sunny	16:39	1-hour TSP	120	ug/m3
TMCLKL	HY/2012/08	2014-12-29	AQMS1	Sunny	14:46	1-hour TSP	86	ug/m3
TMCLKL	HY/2012/08	2014-12-29	AQMS1	Sunny	15:48	1-hour TSP	114	ug/m3
TMCLKL	HY/2012/08	2014-12-29	AQMS1	Sunny	16:50	1-hour TSP	164	ug/m3

Project	Works	Date	Station	Weather	Start time	Parameters	Results	units
TMCLKL	HY/2012/08	2014-12-02	ASR6	Cloudy	16:01	24-hour TSP	84	ug/m3
TMCLKL	HY/2012/08	2014-12-02	ASR10	Cloudy	15:49	24-hour TSP	65	ug/m3
TMCLKL	HY/2012/08	2014-12-02	ASR5	Cloudy	16:02	24-hour TSP	127	ug/m3
TMCLKL	HY/2012/08	2014-12-02	ASR1	Cloudy	16:23	24-hour TSP	100	ug/m3
TMCLKL	HY/2012/08	2014-12-02	AQMS1	Cloudy	16:35	24-hour TSP	79	ug/m3
TMCLKL	HY/2012/08	2014-12-05	ASR1	Cloudy	11:44	24-hour TSP	118	ug/m3
TMCLKL	HY/2012/08	2014-12-05	ASR5	Cloudy	11:33	24-hour TSP	106	ug/m3
TMCLKL	HY/2012/08	2014-12-05	ASR6	Cloudy	11:22	24-hour TSP	81	ug/m3
TMCLKL	HY/2012/08	2014-12-05	ASR10	Cloudy	11:11	24-hour TSP	59	ug/m3
TMCLKL	HY/2012/08	2014-12-05	AQMS1	Cloudy	11:56	24-hour TSP	86	ug/m3
TMCLKL	HY/2012/08	2014-12-08	AQMS1	Cloudy	17:25	24-hour TSP	117	ug/m3
TMCLKL	HY/2012/08	2014-12-08	ASR1	Cloudy	17:14	24-hour TSP	116	ug/m3
TMCLKL	HY/2012/08	2014-12-08	ASR5	Cloudy	17:02	24-hour TSP	124	ug/m3
TMCLKL	HY/2012/08	2014-12-08	ASR6	Cloudy	16:52	24-hour TSP	124	ug/m3
TMCLKL	HY/2012/08	2014-12-08	ASR10	Cloudy	16:41	24-hour TSP	78	ug/m3
TMCLKL	HY/2012/08	2014-12-11	AQMS1	Sunny	17:50	24-hour TSP	131	ug/m3
TMCLKL	HY/2012/08	2014-12-11	ASR1	Sunny	17:38	24-hour TSP	129	ug/m3
TMCLKL	HY/2012/08	2014-12-11	ASR5	Sunny	17:28	24-hour TSP	123	ug/m3
TMCLKL	HY/2012/08	2014-12-11	ASR6	Sunny	17:17	24-hour TSP	125	ug/m3
TMCLKL	HY/2012/08	2014-12-11	ASR10	Sunny	17:06	24-hour TSP	106	ug/m3
TMCLKL	HY/2012/08	2014-12-14	AQMS1	Sunny	11:51	24-hour TSP	98	ug/m3
TMCLKL	HY/2012/08	2014-12-14	ASR1	Sunny	11:40	24-hour TSP	112	ug/m3
TMCLKL	HY/2012/08	2014-12-14	ASR5	Sunny	11:29	24-hour TSP	93	ug/m3
TMCLKL	HY/2012/08	2014-12-14	ASR6	Sunny	11:18	24-hour TSP	90	ug/m3
TMCLKL	HY/2012/08	2014-12-14	ASR10	Sunny	11:06	24-hour TSP	93	ug/m3
TMCLKL	HY/2012/08	2014-12-17	ASR10	Sunny	16:03	24-hour TSP	82	ug/m3
TMCLKL	HY/2012/08	2014-12-17	ASR6	Sunny	16:15	24-hour TSP	103	ug/m3
TMCLKL	HY/2012/08	2014-12-17	ASR5	Sunny	16:26	24-hour TSP	127	ug/m3
TMCLKL	HY/2012/08	2014-12-17	ASR1	Sunny	16:36	24-hour TSP	147	ug/m3
TMCLKL	HY/2012/08	2014-12-17	AQMS1	Sunny	16:48	24-hour TSP	155	ug/m3

Project	Works	Date	Station	Weather	Start time	Parameters	Results	units
TMCLKL	HY/2012/08	2014-12-20	ASR10	Sunny	11:06	24-hour TSP	68	ug/m3
TMCLKL	HY/2012/08	2014-12-20	ASR6	Sunny	11:16	24-hour TSP	93	ug/m3
TMCLKL	HY/2012/08	2014-12-20	ASR5	Sunny	11:29	24-hour TSP	117	ug/m3
TMCLKL	HY/2012/08	2014-12-20	ASR1	Sunny	11:39	24-hour TSP	128	ug/m3
TMCLKL	HY/2012/08	2014-12-20	AQMS1	Sunny	11:51	24-hour TSP	92	ug/m3
TMCLKL	HY/2012/08	2014-12-23	ASR10	Cloudy	16:06	24-hour TSP	91	ug/m3
TMCLKL	HY/2012/08	2014-12-23	ASR6	Cloudy	16:19	24-hour TSP	116	ug/m3
TMCLKL	HY/2012/08	2014-12-23	ASR5	Cloudy	16:30	24-hour TSP	151	ug/m3
TMCLKL	HY/2012/08	2014-12-23	ASR1	Cloudy	16:41	24-hour TSP	139	ug/m3
TMCLKL	HY/2012/08	2014-12-23	AQMS1	Cloudy	16:52	24-hour TSP	127	ug/m3
TMCLKL	HY/2012/08	2014-12-26	ASR10	Cloudy	11:24	24-hour TSP	64	ug/m3
TMCLKL	HY/2012/08	2014-12-26	ASR6	Cloudy	11:35	24-hour TSP	80	ug/m3
TMCLKL	HY/2012/08	2014-12-26	ASR5	Cloudy	11:48	24-hour TSP	93	ug/m3
TMCLKL	HY/2012/08	2014-12-26	ASR1	Cloudy	12:00	24-hour TSP	82	ug/m3
TMCLKL	HY/2012/08	2014-12-26	AQMS1	Cloudy	12:11	24-hour TSP	71	ug/m3
TMCLKL	HY/2012/08	2014-12-29	ASR10	Sunny	17:06	24-hour TSP	75	ug/m3
TMCLKL	HY/2012/08	2014-12-29	ASR6	Sunny	17:17	24-hour TSP	76	ug/m3
TMCLKL	HY/2012/08	2014-12-29	ASR5	Sunny	17:29	24-hour TSP	97	ug/m3
TMCLKL	HY/2012/08	2014-12-29	ASR1	Sunny	17:41	24-hour TSP	109	ug/m3
TMCLKL	HY/2012/08	2014-12-29	AQMS1	Sunny	17:52	24-hour TSP	72	ug/m3

Appendix H

Meteorological Data

	Meteorological Data for Impact Monitoring in the reporting period							
Date (yy-mm-dd)	Time (24hrs)	Average of Wind Speed (m/s)	Average of Wind Direction (degree					
14/12/02	0:00	3.1	45					
14/12/02	1:00	2.2	43					
14/12/02	2:00	3.1	36					
14/12/02	3:00	3.1	32					
14/12/02	4:00	3.1	21					
14/12/02	5:00	4	24					
14/12/02	6:00	4	28					
14/12/02	7:00	3.1	25					
14/12/02	8:00	3.1	23					
14/12/02	9:00	3.6	33					
14/12/02	10:00	3.1	32					
14/12/02	11:00	2.7	38					
14/12/02	12:00	2.2	33					
14/12/02	13:00	1.8	19					
14/12/02	14:00	1.8	25					
14/12/02	15:00	2.2	34					
14/12/02	16:00	1.8	62					
14/12/02	17:00	2.2	65					
14/12/02	18:00	2.2	68					
14/12/02	19:00	2.2	61					
14/12/02	20:00	2.2	54					
14/12/02	21:00	2.2	39					
14/12/02	22:00	2.2	51					
14/12/02	23:00	2.7	57					
14/12/03	0:00	2.7	30					
14/12/03	1:00	2.2	55					
14/12/03	2:00	2.2	50					
14/12/03	3:00	1.8	64					
14/12/03	4:00	1.3	27					
14/12/03	5:00	1.3	51					
14/12/03	6:00	0.9	32					
14/12/03	7:00	0.9	44					
	8:00	1.3	47					
14/12/03								
14/12/03	9:00	1.3	58					
14/12/03	10:00	1.3 1.3	62 27					
14/12/03	11:00							
14/12/03	12:00	1.8	116					
14/12/03	13:00	2.2	124					
14/12/03	14:00	1.3	113					
14/12/03	15:00	1.3	103					
14/12/03	16:00	0.9	127					
14/12/03	17:00	1.3	140					
14/12/03	18:00	0.4	122					
14/12/05	0:00	2.2	42					
14/12/05	1:00	3.6	38					
14/12/05	2:00	3.6	44					
14/12/05	3:00	3.6	41					
14/12/05	4:00	2.7	33					
14/12/05	5:00	2.7	29					
14/12/05	6:00	1.8	62					
14/12/05	7:00	2.2	51					
14/12/05	8:00	3.1	54					
14/12/05	9:00	2.7	55					
14/12/05	10:00	1.8	56					

	Meteorolog	gical Data for Impact Monitoring in th	ne reporting period
Date (yy-mm-dd)	Time (24hrs)	Average of Wind Speed (m/s)	Average of Wind Direction (degree
14/12/05	11:00	2.2	37
14/12/05	12:00	2.7	40
14/12/05	13:00	2.2	42
14/12/05	14:00	2.2	41
14/12/05	15:00	0.9	49
14/12/05	16:00	0.4	223
14/12/05	17:00	0.4	91
14/12/05	18:00	0.9	10
14/12/05	19:00	0.4	15
14/12/05	20:00	0.4	13
14/12/05	21:00	0.4	22
14/12/05	22:00	0.4	63
14/12/05	23:00	0.4	100
14/12/06	0:00	0.4	95
14/12/06	1:00	1.8	32
14/12/06	2:00	1.8	45
14/12/06	3:00	1.8	41
14/12/06	4:00	1.3	50
14/12/06	5:00	2.2	52
14/12/06	6:00	2.7	53
14/12/06	7:00	2.7	61
14/12/06	8:00	1.8	54
14/12/06	9:00	1.8	57
14/12/06	10:00	1.8	77
14/12/06	11:00	3.1	123
14/12/06	12:00	3.1	140
14/12/06	13:00	3.6	131
14/12/06	14:00	3.6	119
14/12/06	15:00	3.6	128
14/12/06	16:00	3.6	143
14/12/06	17:00	3.1	122
14/12/06	18:00	3.1	119
14/12/06	19:00	2.2	124
14/12/06	20:00	1.8	101
14/12/06	21:00	1.8	93
14/12/06	22:00	2.7	71
14/12/06	23:00	3.1	105
14/12/08	0:00	1.3	356
14/12/08	1:00	0.9	9
14/12/08	2:00	1.3	48
14/12/08	3:00	0.9	10
14/12/08	4:00	1.3	39
14/12/08	5:00	0.9	44
14/12/08	6:00	0.4	37
14/12/08	7:00	1.8	51
14/12/08	8:00	1.8	53
14/12/08	9:00	0.9	20
14/12/08	10:00	1.3	39
14/12/08	11:00	1.8	61
14/12/08	12:00	1.8	55
14/12/08	13:00	1.3	7
14/12/08	14:00	0.9	116
14/12/08	15:00	0.9	226
14/12/08	16:00	0.9	325

	Meteorological Data for Impact Monitoring in the reporting period							
Date (yy-mm-dd)	Time (24hrs)	Average of Wind Speed (m/s)	Average of Wind Direction (degree					
14/12/08	17:00	0.4	323					
14/12/08	18:00	0.4	354					
14/12/08	19:00	0.4	356					
14/12/08	20:00	0.4	5					
14/12/08	21:00	0.4	11					
14/12/08	22:00	0	9					
14/12/08	23:00	1.3	14					
14/12/09	0:00	0.9	77					
14/12/09	1:00	1.8	85					
14/12/09	2:00	1.8	93					
14/12/09	3:00	2.2	135					
14/12/09	4:00	0.9	42					
14/12/09	5:00	0.4	35					
14/12/09	6:00	0.4	33					
14/12/09	7:00	0.4	94					
14/12/09	8:00	0.4	10					
14/12/09	9:00	0.9	96					
14/12/09	10:00	1.3	41					
14/12/09	11:00	1.3	38					
14/12/09	12:00	1.3	168					
14/12/09	13:00	0.9	171					
14/12/09	14:00	0.4	166					
14/12/09	15:00	0.9	265					
14/12/09	16:00	0.9	24					
14/12/09	17:00	1.3	251					
14/12/09	18:00	0.4	246					
14/12/09	19:00	2.2	221					
14/12/09	20:00	2.7	117					
14/12/09	21:00	1.8	102					
14/12/09	22:00	0.9	89					
14/12/09	23:00	0.4	47					
14/12/11	0:00	0.4	351					
14/12/11	1:00	0.4	55					
14/12/11	2:00	0.4	39					
14/12/11	3:00	0.4	5					
14/12/11	4:00	0	335					
14/12/11	5:00	0.4	326					
14/12/11	6:00	0.4	358					
	7:00	0.4	39					
14/12/11								
14/12/11	8:00 9:00	0.9	32					
14/12/11		1.8						
14/12/11	10:00		51					
14/12/11	11:00	1.8	56					
14/12/11	12:00	1.8	59					
14/12/11	13:00	1.8	60					
14/12/11	14:00	1.8	41					
14/12/11	15:00	1.8	473					
14/12/11	16:00	1.8	38					
14/12/11	17:00	2.7	35					
14/12/11	18:00	2.2	39					
14/12/11	19:00	2.2	62					
14/12/11	20:00	2.2	64					
14/12/11	21:00	2.2	22					
14/12/11	22:00	1.8	5					

	Meteorolo	gical Data for Impact Monitoring in th	ne reporting period
Date (yy-mm-dd)	Time (24hrs)	Average of Wind Speed (m/s)	Average of Wind Direction (degree
14/12/11	23:00	1.3	36
14/12/12	0:00	0.9	34
14/12/12	1:00	1.8	52
14/12/12	2:00	1.8	58
14/12/12	3:00	1.3	71
14/12/12	4:00	0.9	55
14/12/12	5:00	0.4	271
14/12/12	6:00	0.9	349
14/12/12	7:00	0.9	352
14/12/12	8:00	0.9	344
14/12/12	9:00	1.3	359
14/12/12	10:00	1.3	5
14/12/12	11:00	1.3	1
14/12/12	12:00	1.3	6
14/12/12	13:00	2.2	357
14/12/12	14:00	3.1	351
14/12/12	15:00	2.2	5
14/12/12	16:00	1.3	3
14/12/12	17:00	1.8	50
14/12/12	18:00	0.4	11
14/12/12	19:00	2.2	8
14/12/12	20:00	2.7	19
14/12/12	21:00	4.5	33
14/12/12	22:00	3.1	21
14/12/12	23:00	3.1	25
14/12/14	0:00	0	10
14/12/14	1:00	0	357
14/12/14	2:00	1.8	33
14/12/14	3:00	3.1	41
14/12/14	4:00	3.1	46
14/12/14	5:00	3.6	51
14/12/14	6:00	3.6	39
14/12/14	7:00	3.6	40
14/12/14	8:00	3.1	25
14/12/14	9:00	3.1	33
14/12/14	10:00	1.8	95
14/12/14	11:00	1.3	124
14/12/14	12:00	1.3	109
14/12/14	13:00	0.4	226
14/12/14	14:00	1.3	230
14/12/14	15:00	0.9	268
14/12/14	16:00	0.4	271
14/12/14	17:00	0.4	233
14/12/14	18:00	0.4	171
14/12/14	19:00	2.7	162
14/12/14	20:00	0.4	94
14/12/14	21:00	0	3
14/12/14	22:00	0.9	51
14/12/14	23:00	1.3	100
14/12/15	0:00	0.4	32
14/12/15	1:00	1.3	61
14/12/15	2:00	0.9	51
14/12/15	3:00	1.3	-
14/12/15	4:00	0.9	44

	Meteorological Data for Impact Monitoring in the reporting period						
Date (yy-mm-dd)	Time (24hrs)	Average of Wind Speed (m/s)	Average of Wind Direction (degree				
14/12/15	5:00	0.9	40				
14/12/15	6:00	1.8	52				
14/12/15	7:00	1.3	63				
14/12/15	8:00	1.8	67				
14/12/15	9:00	1.8	58				
14/12/15	10:00	1.3	44				
14/12/15	11:00	0.9	39				
14/12/15	12:00	1.3	67				
14/12/15	13:00	1.8	49				
14/12/15	14:00	1.8	21				
14/12/15	15:00	1.8	63				
14/12/15	16:00	1.8	55				
14/12/15	17:00	1.3	54				
14/12/15	18:00	0.9	38				
14/12/15	19:00	0.4	44				
14/12/15	20:00	0	42				
14/12/15	21:00	0.9	49				
14/12/15	22:00	0	5				
14/12/15	23:00	0.9	8				
14/12/17	0:00	4.5	48				
14/12/17	1:00	5.4	45				
	2:00	4.9					
14/12/17			41				
14/12/17	3:00	5.4	42				
14/12/17	4:00	5.8	50				
14/12/17	5:00	4.9	15				
14/12/17	6:00	5.8	19				
14/12/17	7:00	4.9	20				
14/12/17	8:00	5.8	25				
14/12/17	9:00	6.3	36				
14/12/17	10:00	6.7	51				
14/12/17	11:00	5.4	44				
14/12/17	12:00	4	48				
14/12/17	13:00	3.1	52				
14/12/17	14:00	3.1	59				
14/12/17	15:00	2.7	56				
14/12/17	16:00	2.7	60				
14/12/17	17:00	2.2	47				
14/12/17	18:00	1.8	13				
14/12/17	19:00	0	53				
14/12/17	20:00	0.9	5				
14/12/17	21:00	1.3	11				
14/12/17	22:00	1.3	14				
14/12/17	23:00	4	37				
14/12/18	0:00	4	38				
14/12/18	1:00	4	58				
14/12/18	2:00	4	60				
14/12/18	3:00	3.1	59				
14/12/18	4:00	3.1	52				
14/12/18	5:00	3.6	47				
14/12/18	6:00	3.6	41				
14/12/18	7:00	4	40				
14/12/18	8:00	4	51				
14/12/18	9:00	3.6	50				
14/12/18	10:00	3.1	39				

	Meteorolo	gical Data for Impact Monitoring in th	a the reporting period	
Date (yy-mm-dd)	Time (24hrs)	Average of Wind Speed (m/s)	Average of Wind Direction (degree	
14/12/18	11:00	3.1	37	
14/12/18	12:00	2.7	62	
14/12/18	13:00	2.2	65	
14/12/18	14:00	1.8	64	
14/12/18	15:00	1.8	44	
14/12/18	16:00	1.8	49	
14/12/18	17:00	1.8	18	
14/12/18	18:00	1.8	36	
14/12/18	19:00	0.9	5	
14/12/18	20:00	1.3	47	
14/12/18	21:00	1.3	52	
14/12/18	22:00	2.2	66	
14/12/18	23:00	1.8	77	
14/12/20	0:00	1.3	32	
14/12/20	1:00	1.3	29	
14/12/20	2:00	1.3	65	
14/12/20	3:00	2.2	77	
14/12/20	4:00	1.8	98	
14/12/20	5:00	2.2	45	
14/12/20	6:00	2.7	44	
14/12/20	7:00	4	39	
14/12/20	8:00	4.5	36	
14/12/20	9:00	4.5	52	
14/12/20	10:00	4	47	
14/12/20	11:00	2.2	69	
14/12/20	12:00	1.8	100	
14/12/20	13:00	0.9	256	
14/12/20	14:00	0.4	238	
14/12/20	15:00	0.9	271	
14/12/20	16:00	0.4	171	
14/12/20	17:00	1.8	169	
14/12/20	18:00	3.1	132	
14/12/20	19:00	0.9	95	
14/12/20	20:00	0.9	46	
14/12/20	21:00	0.9	52	
14/12/20	22:00	1.3	39	
14/12/20	23:00	1.8	34	
14/12/21	0:00	1.8	62	
14/12/21	1:00	1.3	58	
14/12/21	2:00	1.3	49	
14/12/21	3:00	1.8	51	
14/12/21	4:00	2.2	58	
14/12/21	5:00	2.2	62	
14/12/21	6:00	3.1	67	
14/12/21	7:00	4	43	
14/12/21	8:00	2.7	44	
14/12/21	9:00	2.7	74	
14/12/21	10:00	2.2	42	
14/12/21	11:00	1.8	33	
14/12/21	12:00	1.8	35	
14/12/21	13:00	1.3	41	
14/12/21	14:00	1.8	2	
14/12/21	15:00	2.2	35	
14/12/21	16:00	2.2	39	

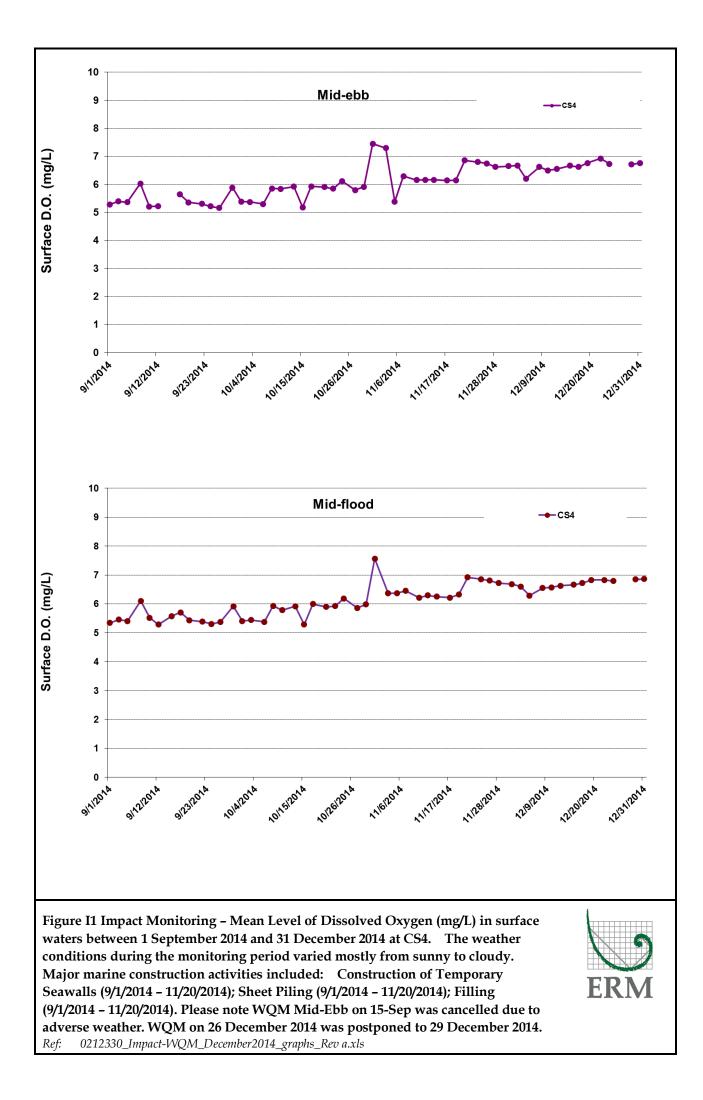
Meteorological Data for Impact Monitoring in the reporting period					
Date (yy-mm-dd)	Time (24hrs)	Average of Wind Speed (m/s)	Average of Wind Direction (degree		
14/12/21	17:00	1.8	5		
14/12/21	18:00	1.8	12		
14/12/21	19:00	2.2	5		
14/12/21	20:00	1.8	358		
14/12/21	21:00	1.3	354		
14/12/21	22:00	1.8	46		
14/12/21	23:00	1.8	51		
14/12/23	0:00	0	7		
14/12/23	1:00	1.3	33		
14/12/23	2:00	1.8	39		
14/12/23	3:00	1.3	51		
14/12/23	4:00	1.3	57		
14/12/23	5:00	1.8	63		
14/12/23	6:00	1.3	52		
14/12/23	7:00	1.3	41		
14/12/23	8:00	1.8	33		
14/12/23	9:00	2.7	39		
14/12/23	10:00	2.7	48		
14/12/23	11:00	2.7	51		
14/12/23	12:00	2.2	58		
14/12/23	13:00	2.2	62		
14/12/23	14:00	2.7	39		
14/12/23	15:00	2.2	41		
14/12/23	16:00	2.2	40		
14/12/23	17:00	2.2	35		
14/12/23	18:00	1.8	60		
14/12/23	19:00	2.2	57		
14/12/23	20:00	2.2	61		
14/12/23	21:00	2.7	31		
14/12/23	22:00	2.2	32		
14/12/23	23:00	2.7	29		
14/12/24	0:00	1.8	52		
14/12/24	1:00	1.8	34		
14/12/24	2:00	2.7	51		
14/12/24	3:00	1.3	68		
14/12/24	4:00	0.9	96		
14/12/24	5:00	1.8	47		
14/12/24	6:00	2.2	82		
14/12/24	7:00	1.3	74		
14/12/24	8:00	1.8	66		
14/12/24	9:00	1.8	51		
14/12/24	10:00	0.9	54		
14/12/24	11:00	0.4	252		
14/12/24	12:00	0.9	219		
14/12/24	13:00	1.3	245		
14/12/24	14:00	1.3	252		
14/12/24	15:00	0.4	232		
14/12/24	16:00	0.4	228		
14/12/24	17:00	0	254		
14/12/24	17:00	0	225		
14/12/24	19:00	0	223		
14/12/24	20:00	0	229		
	20:00	0	247 216		
14/12/24					
14/12/24	22:00	0	247		

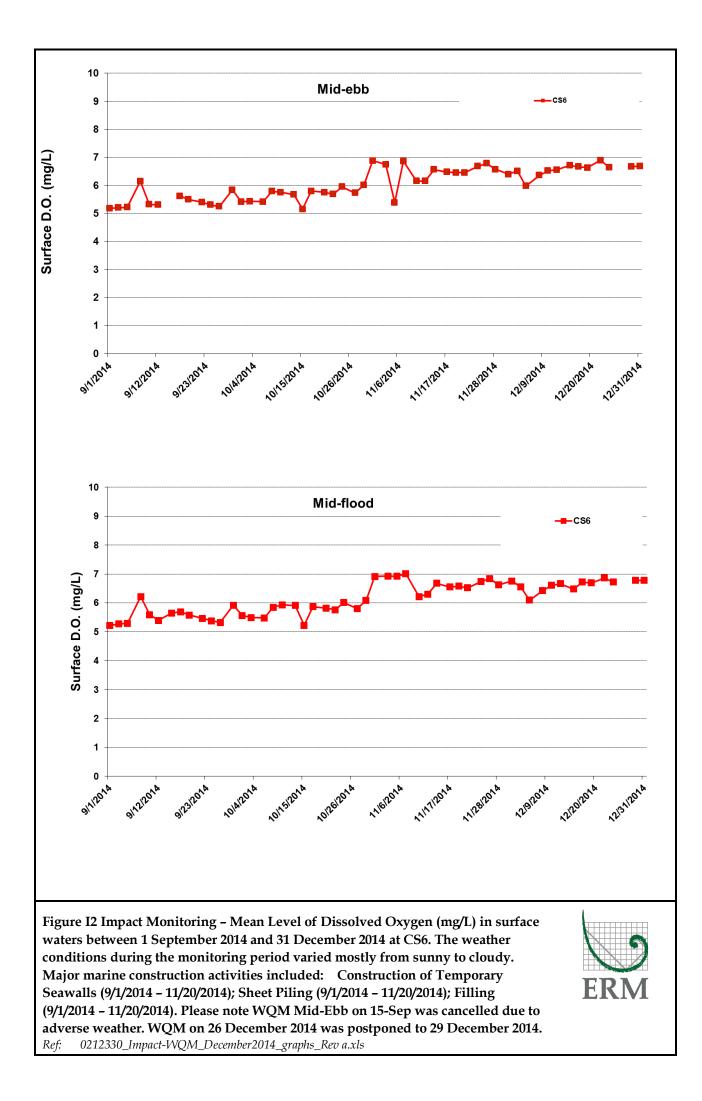
	Meteorolo	gical Data for Impact Monitoring in th	eporting period
Date (yy-mm-dd)	Time (24hrs)	Average of Wind Speed (m/s)	Average of Wind Direction (degree
14/12/24	23:00	0	252
14/12/26	0:00	0.4	113
14/12/26	1:00	1.3	121
14/12/26	2:00	0.4	124
14/12/26	3:00	0.4	116
14/12/26	4:00	1.3	167
14/12/26	5:00	1.3	156
14/12/26	6:00	0.9	164
14/12/26	7:00	1.8	118
14/12/26	8:00	2.2	121
14/12/26	9:00	0.9	95
14/12/26	10:00	0.9	46
14/12/26	11:00	2.7	123
14/12/26	12:00	3.1	114
14/12/26	13:00	2.7	131
14/12/26	14:00	1.8	50
14/12/26	15:00	1.8	129
14/12/26	16:00	2.2	170
14/12/26	17:00	0.9	168
14/12/26	18:00	0.4	4
14/12/26	19:00	0	38
14/12/26	20:00	0.4	49
14/12/26	21:00	0.4	125
14/12/26	22:00	0	105
14/12/26	23:00	0.4	94
14/12/27	0:00	0.9	39
14/12/27	1:00	0.4	51
14/12/27	2:00	0.9	48
14/12/27	3:00	0.4	88
14/12/27	4:00	0.4	47
14/12/27	5:00	1.3	100
14/12/27	6:00	1.3	95
14/12/27	7:00	0.4	16
14/12/27	8:00	0.4	40
14/12/27	9:00	0.4	41
14/12/27	10:00	0.9	52
14/12/27	11:00	0.9	55
14/12/27	12:00	1.8	59
14/12/27	13:00	1.8	61
14/12/27	14:00	2.2	41
14/12/27	15:00	2.2	38
14/12/27	16:00	2.2	46
14/12/27	17:00	2.2	44
14/12/27	18:00	1.8	37
14/12/27	19:00	0.9	53
14/12/27	20:00	1.3	62
14/12/27	21:00	1.3	14
14/12/27	22:00	1.3	42
14/12/27	23:00	1.3	40
14/12/29	0:00	0.4	225
14/12/29	1:00	0.4	351
14/12/29	2:00	0	297
14/12/29	3:00	0	-
14/12/29	4:00	0.4	312

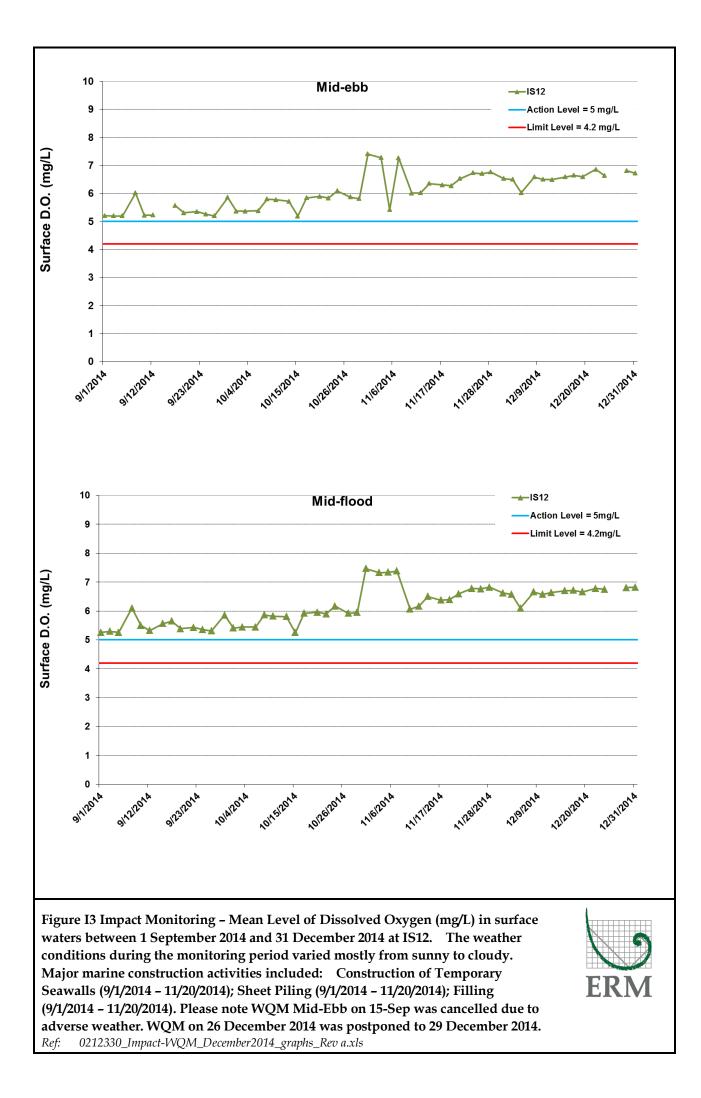
Meteorological Data for Impact Monitoring in the reporting period Date (yy-mm-dd) Time (24hrs) Average of Wind Speed (m/s) Average of Wind Direction (detection)				
Date (yy-mm-dd)	, ,		Average of Wind Direction (degree	
14/12/29	5:00	0.4	305	
14/12/29	6:00	0	281	
14/12/29	7:00	0	351	
14/12/29	8:00	0.9	349	
14/12/29	9:00	1.8	5	
14/12/29	10:00	1.3	3	
14/12/29	11:00	1.8	51	
14/12/29	12:00	2.7	36	
14/12/29	13:00	3.1	39	
14/12/29	14:00	2.7	47	
14/12/29	15:00	2.2	52	
14/12/29	16:00	1.3	44	
14/12/29	17:00	0.4	181	
14/12/29	18:00	0.4	224	
14/12/29	19:00	0.4	308	
14/12/29	20:00	0.9	5	
14/12/29	21:00	0.9	9	
14/12/29	22:00	0.9	11	
14/12/29	23:00	0.4	23	
14/12/30	0:00	0.9	12	
14/12/30	1:00	0.4	14	
14/12/30	2:00	0.4	18	
14/12/30	3:00	0.4	16	
14/12/30	4:00	0.9	14	
14/12/30	5:00	0.9	7	
14/12/30	6:00	0.4	6	
14/12/30	7:00	0.4	5	
14/12/30	8:00	0	5	
14/12/30	9:00	0.9	116	
14/12/30	10:00	2.2	46	
14/12/30	11:00	1.8	49	
14/12/30	12:00	0.9	225	
14/12/30	13:00	1.3	242	
14/12/30	14:00	0.9	165	
14/12/30	15:00	0.9	273	
14/12/30	16:00	0.4	300	
14/12/30	17:00	0.4	171	

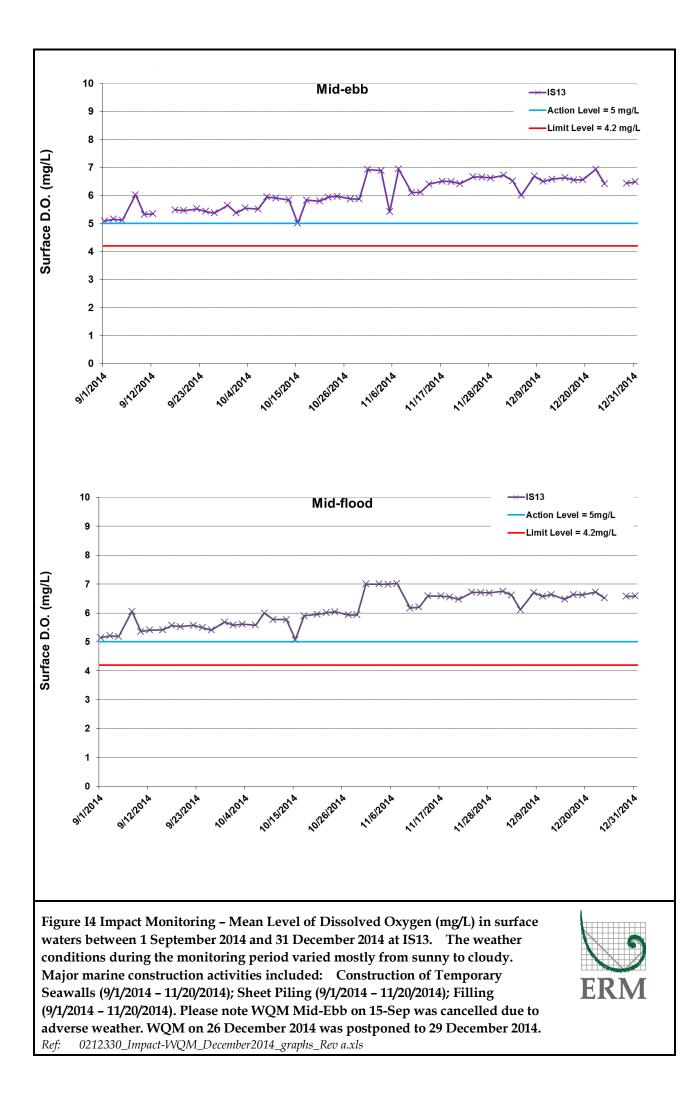
Appendix I

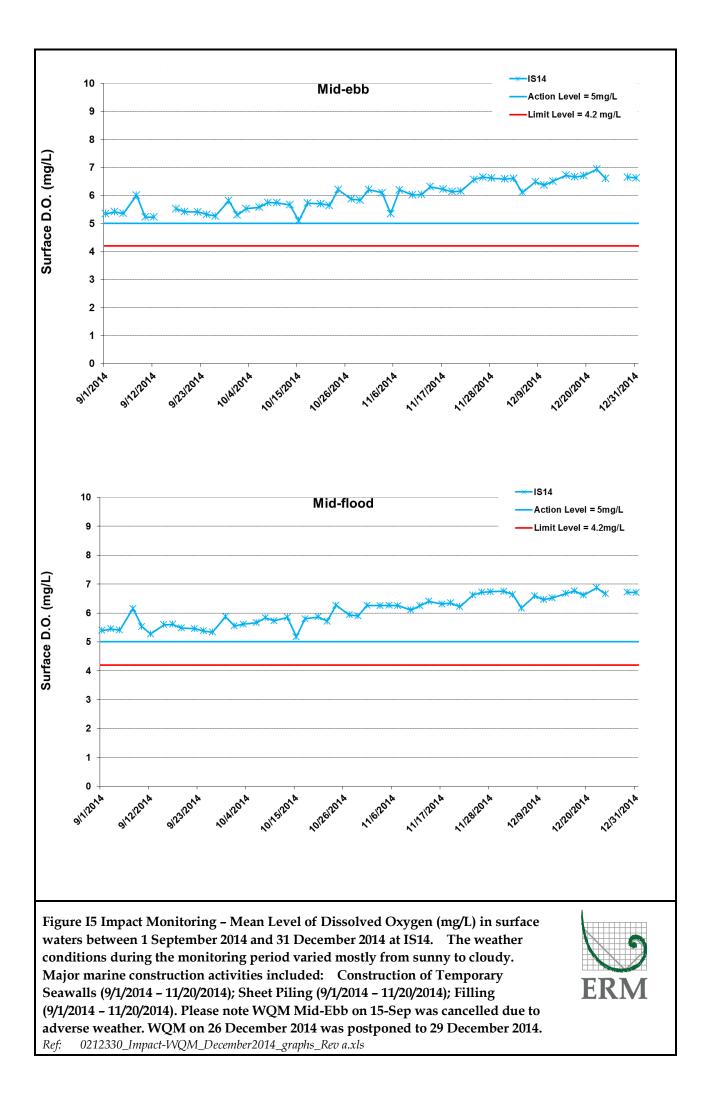
Impact Water Quality Monitoring Results

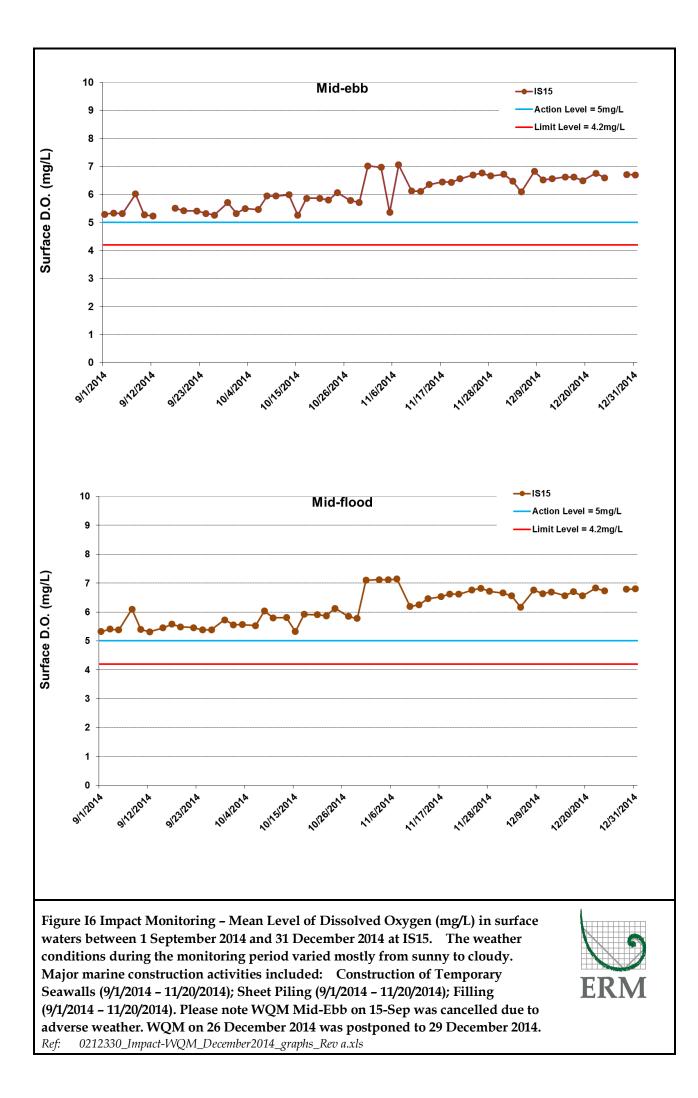


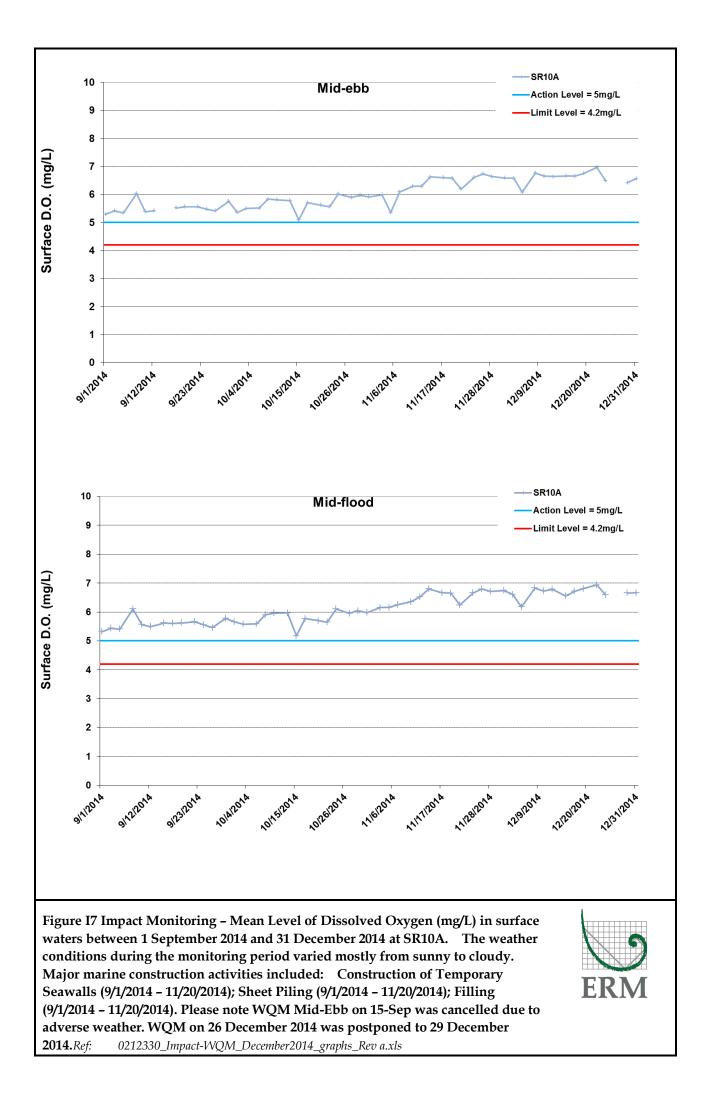


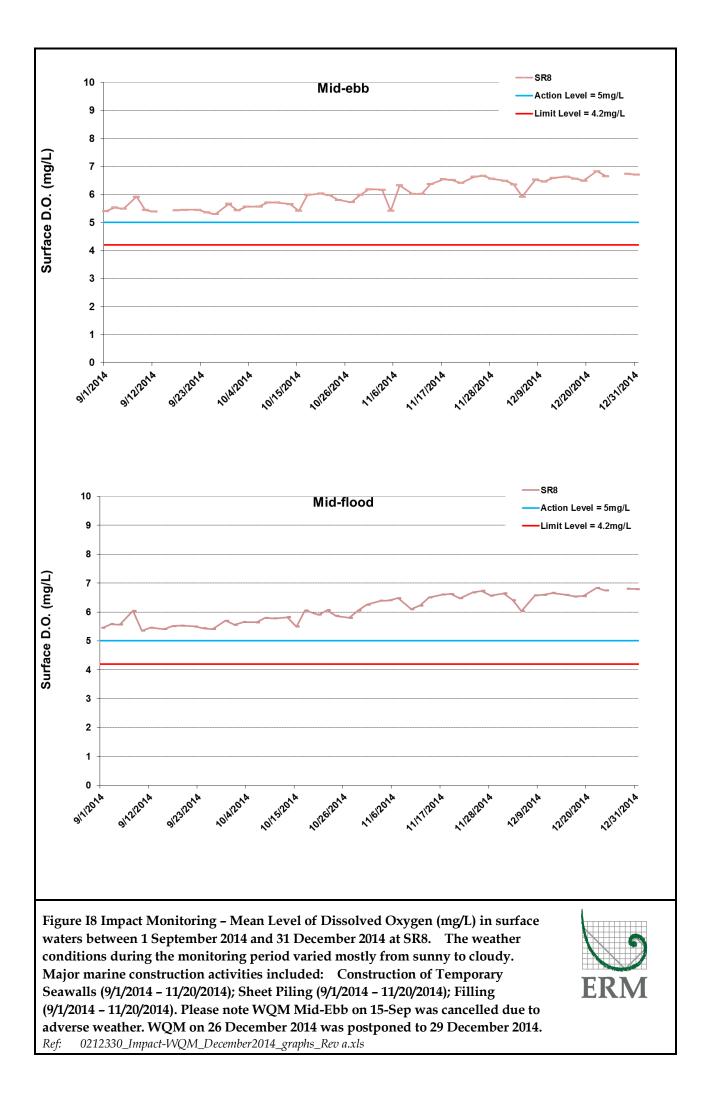


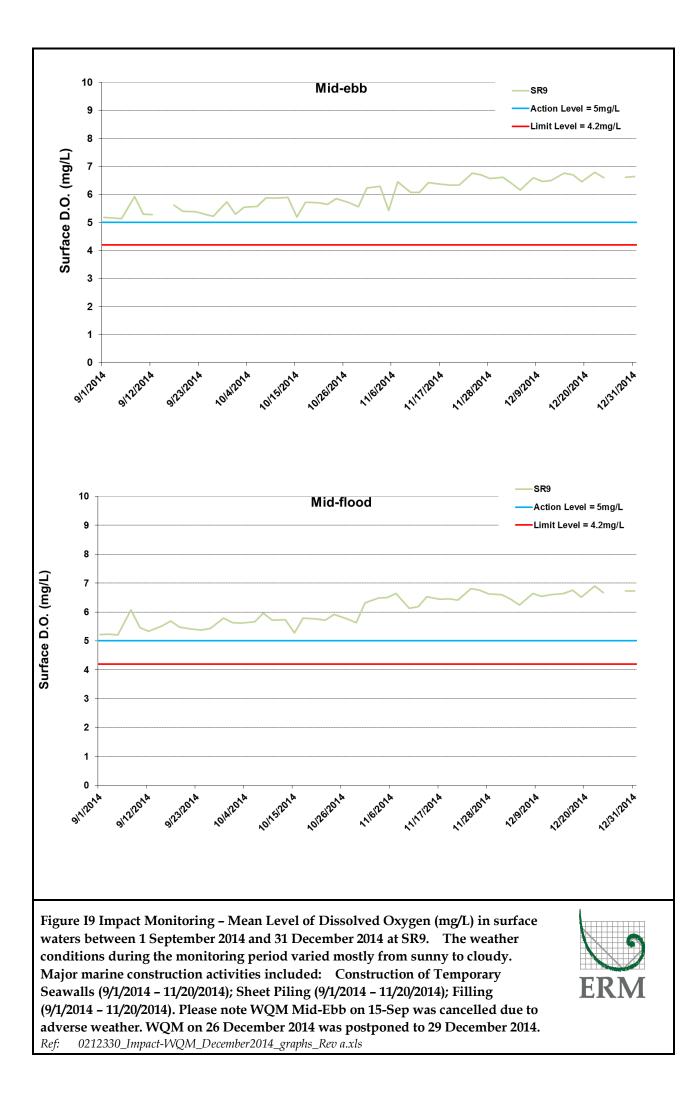


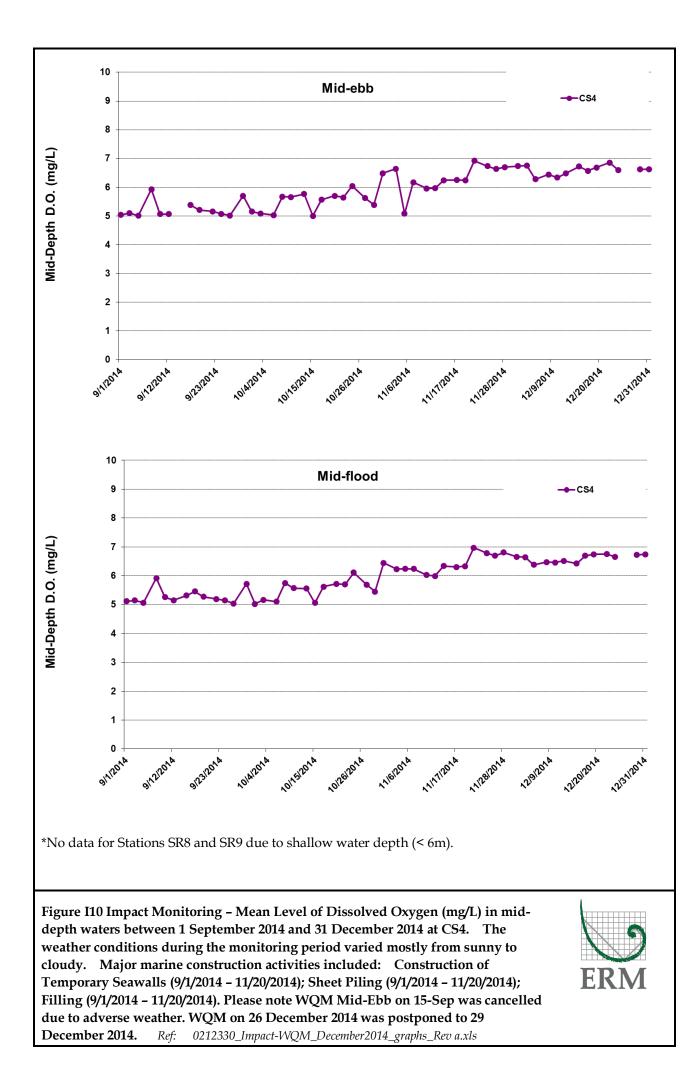


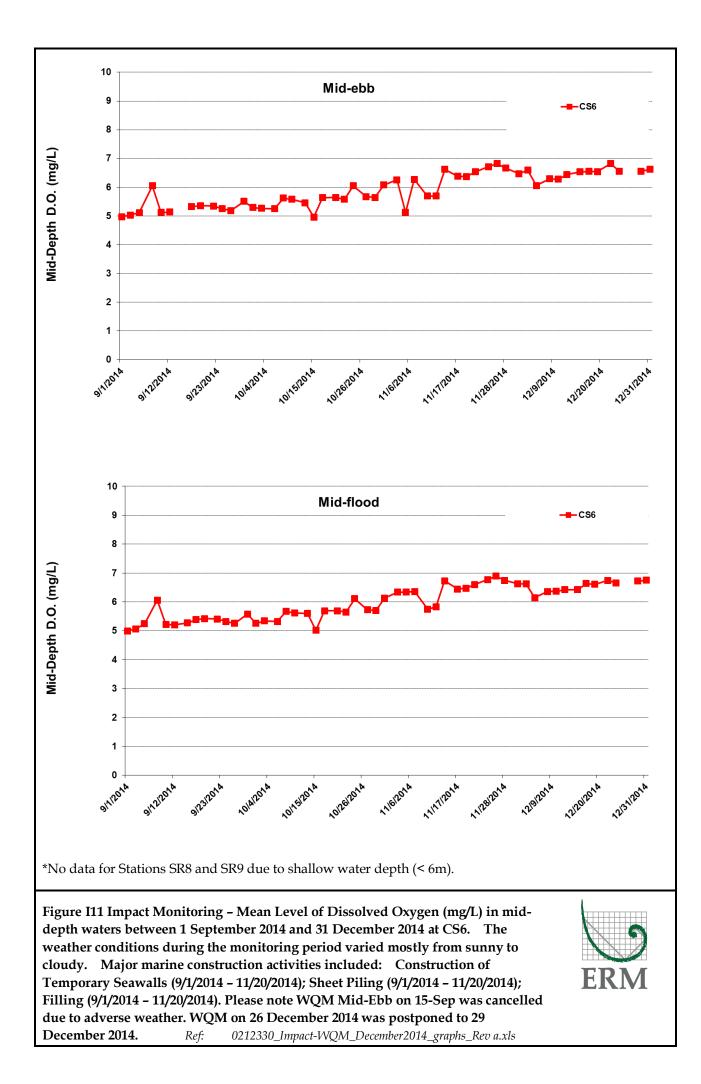


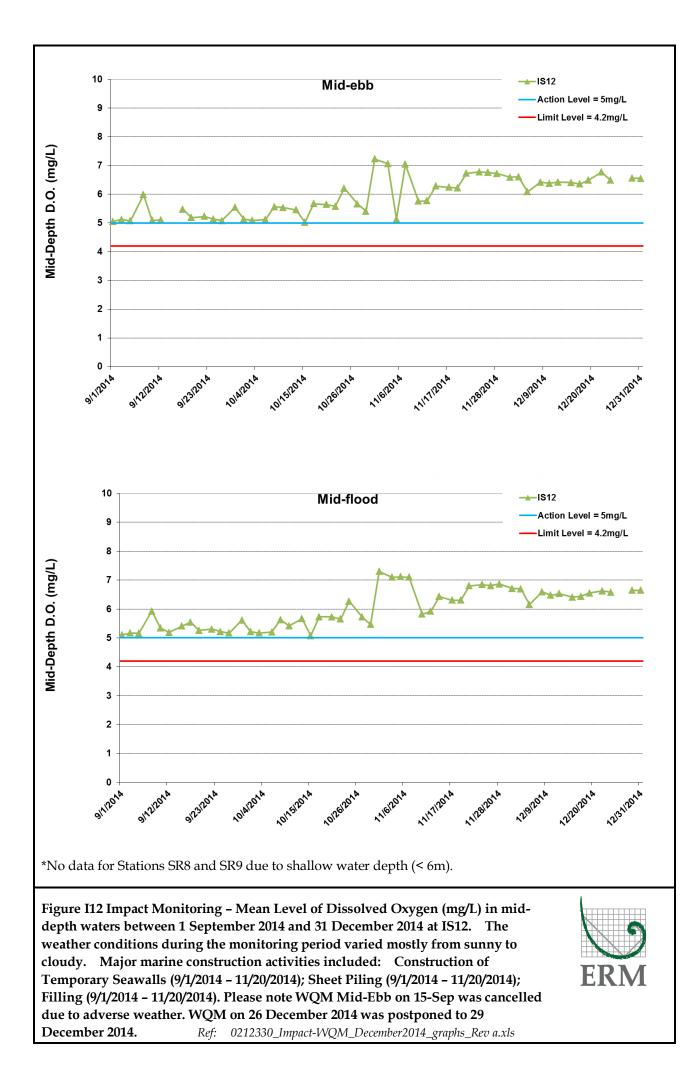


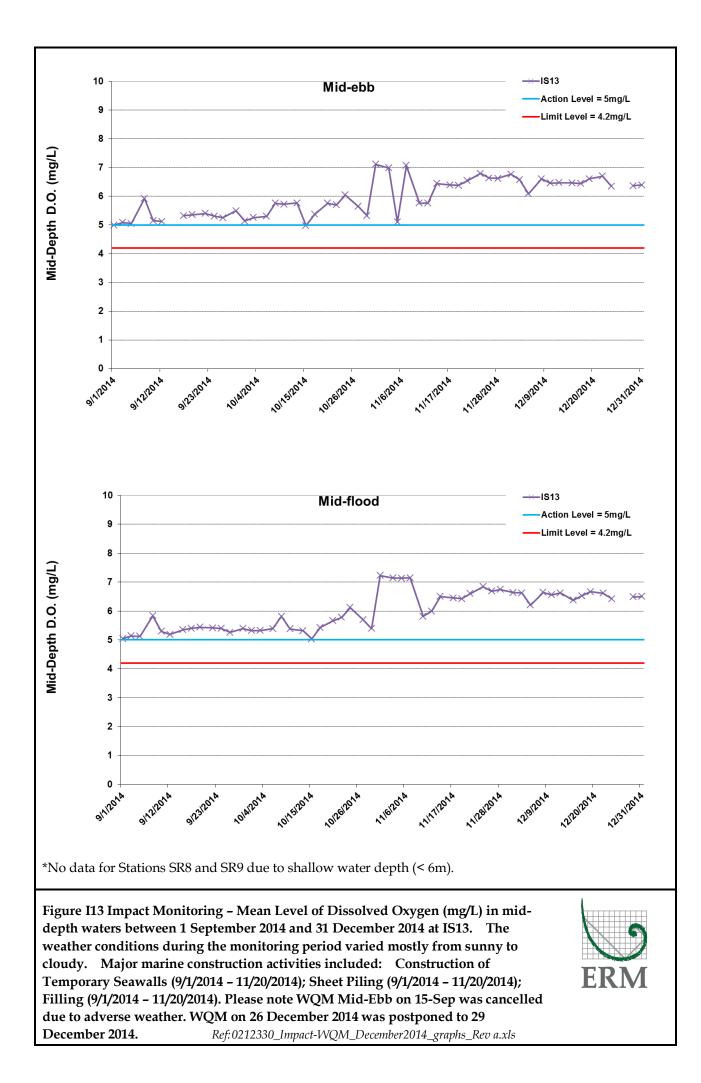


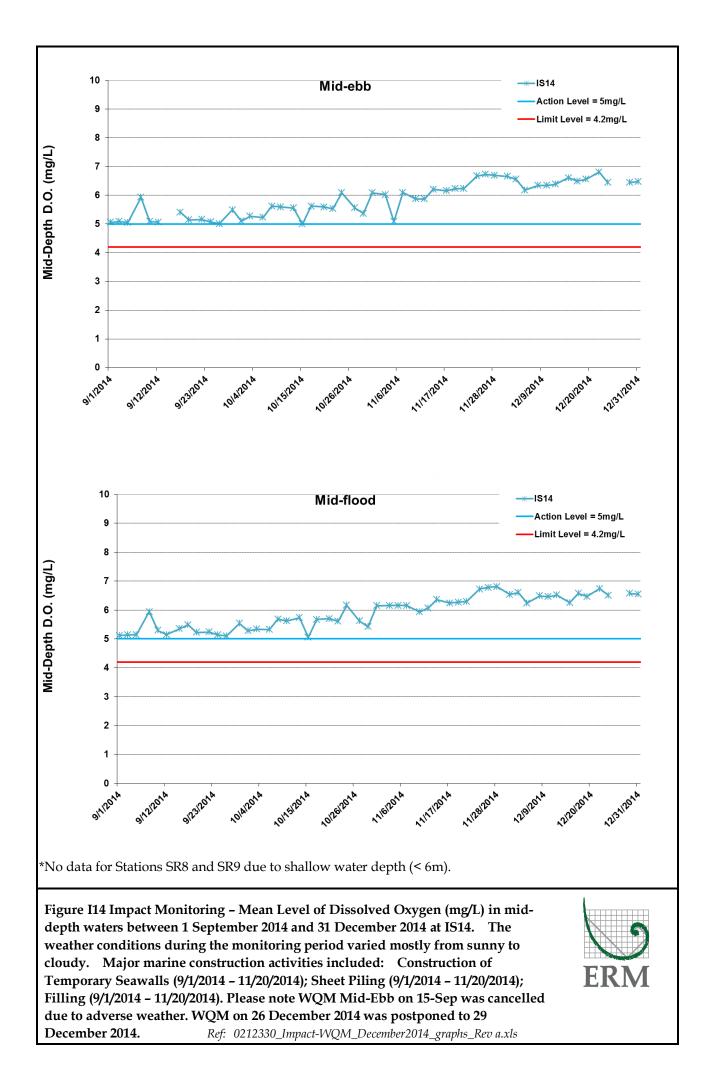


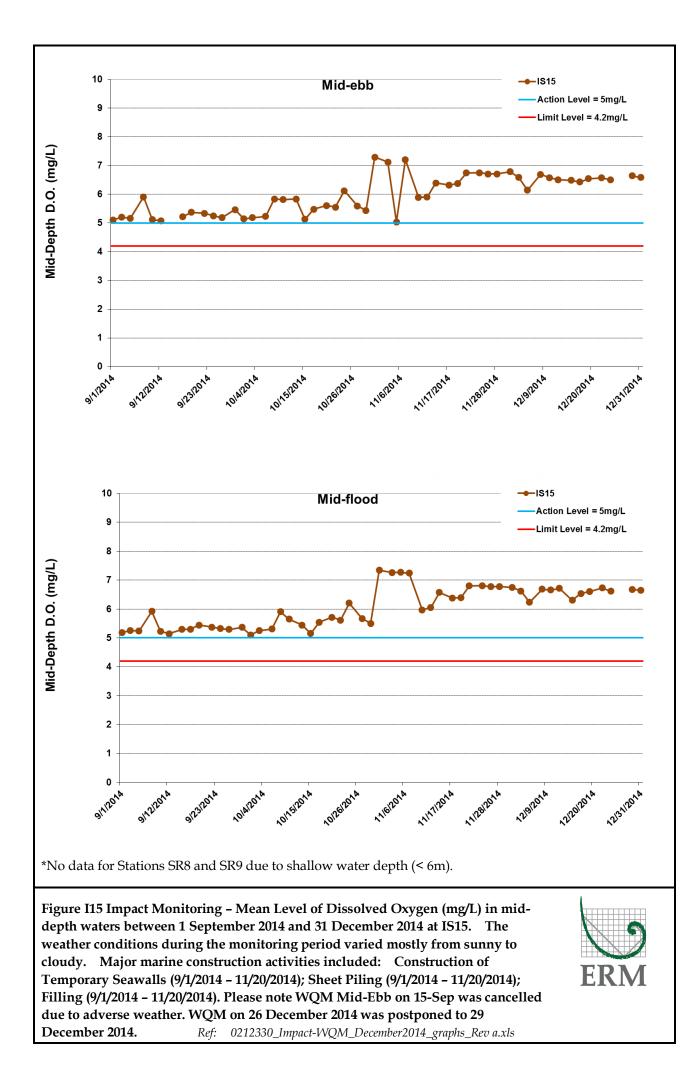


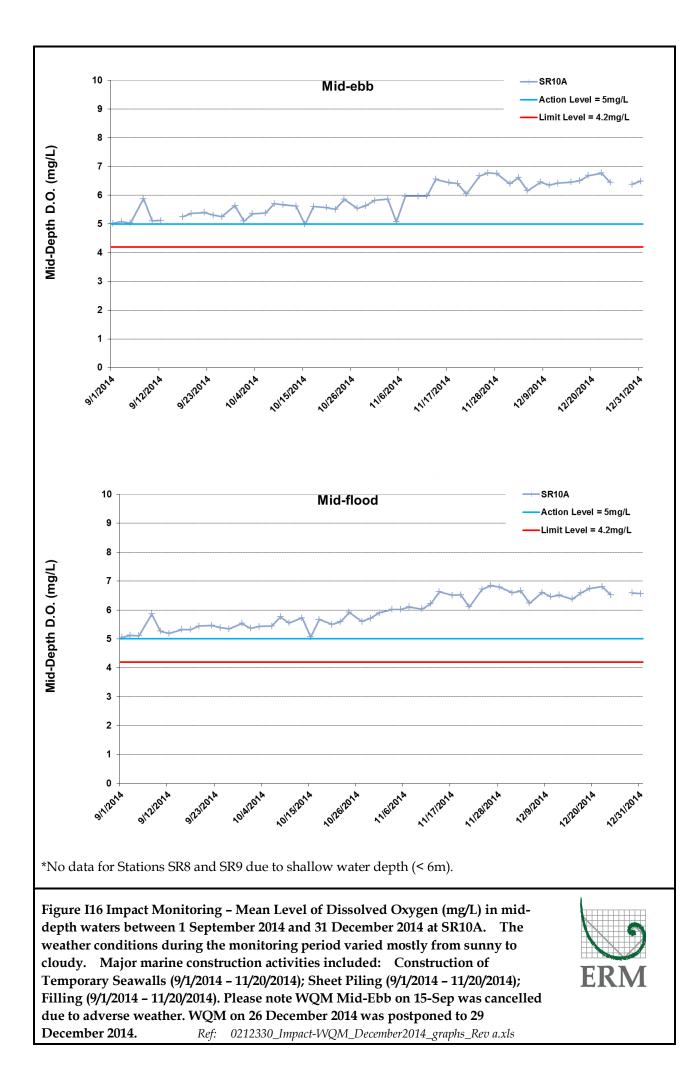


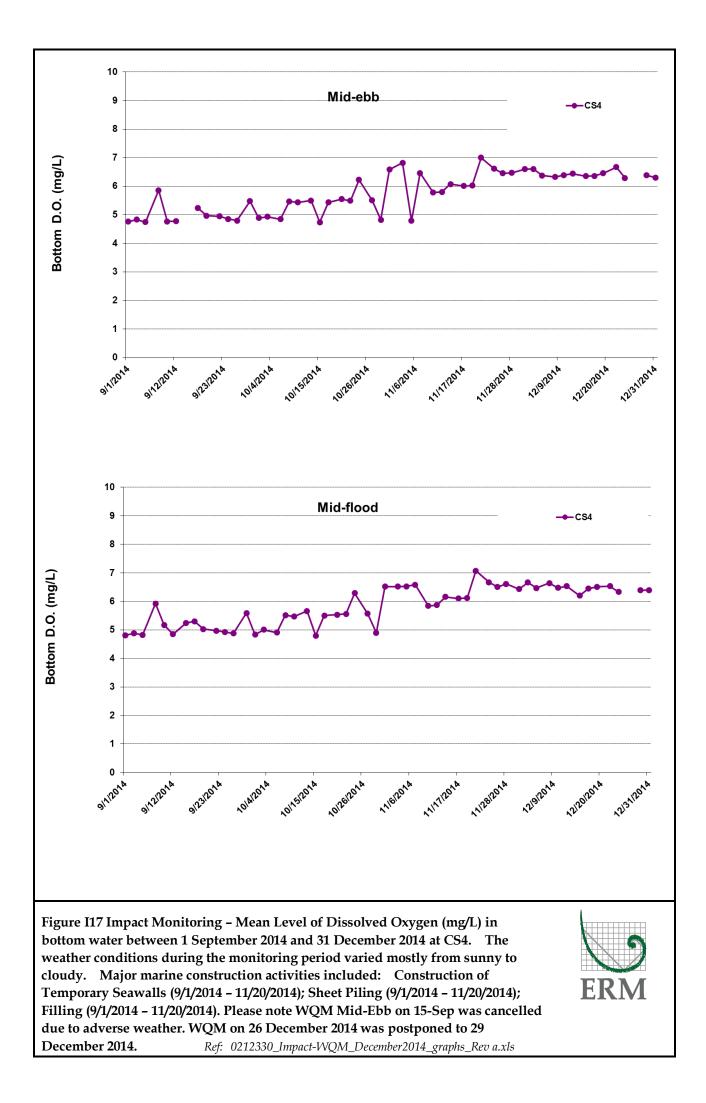


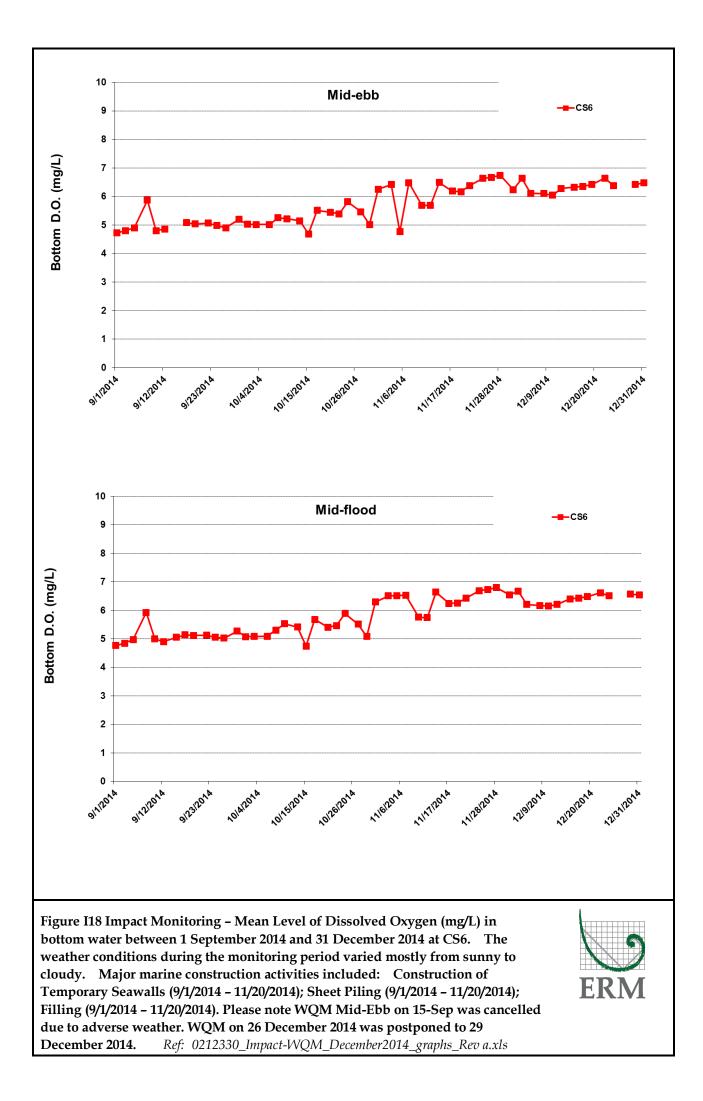




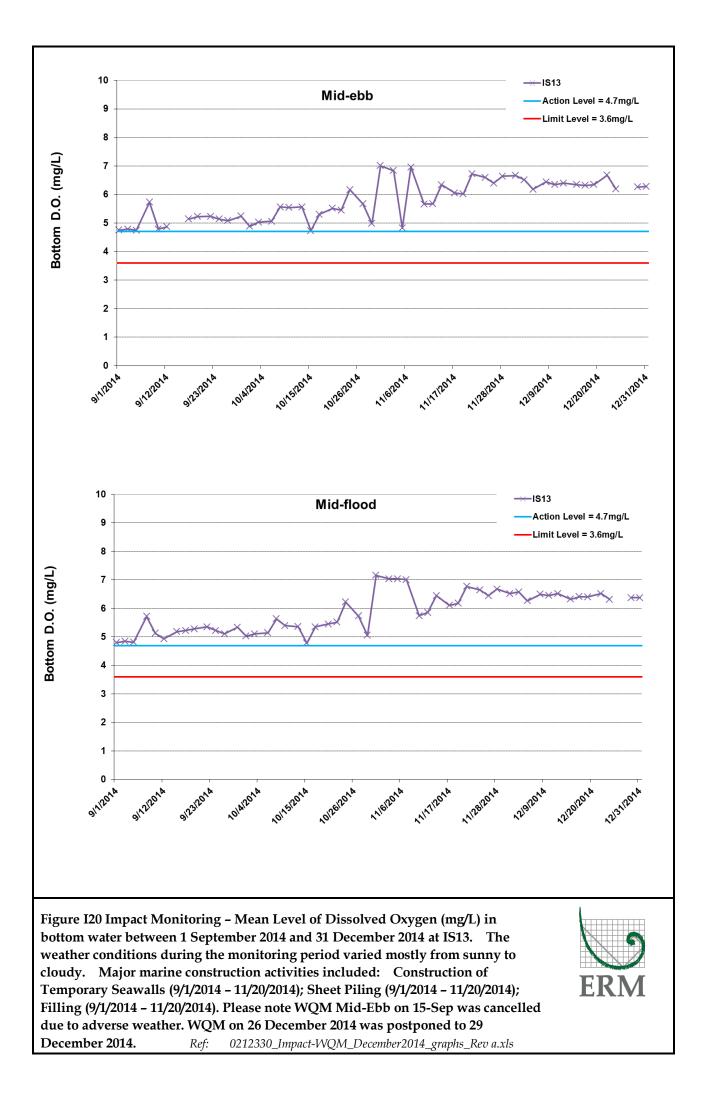


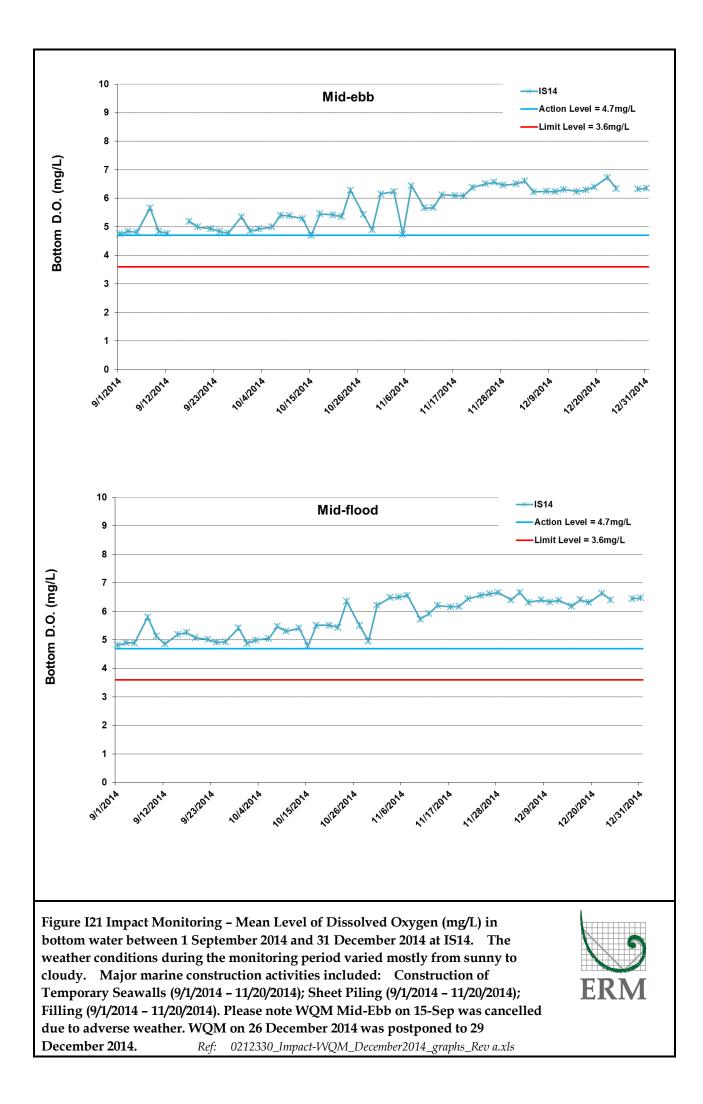


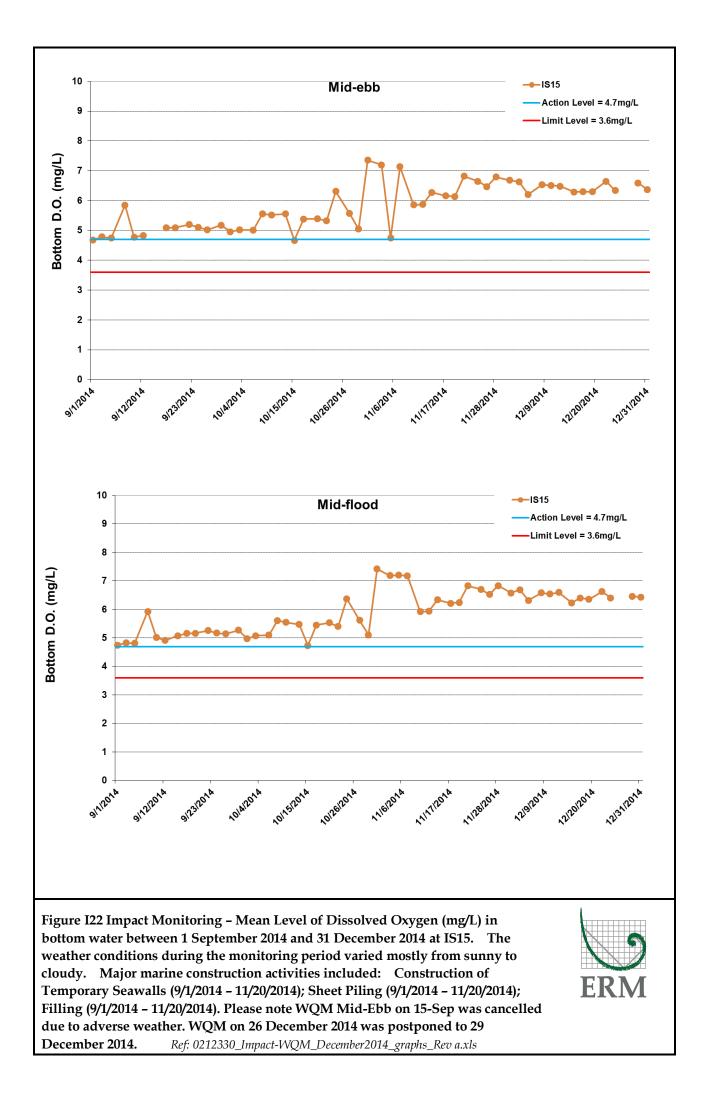


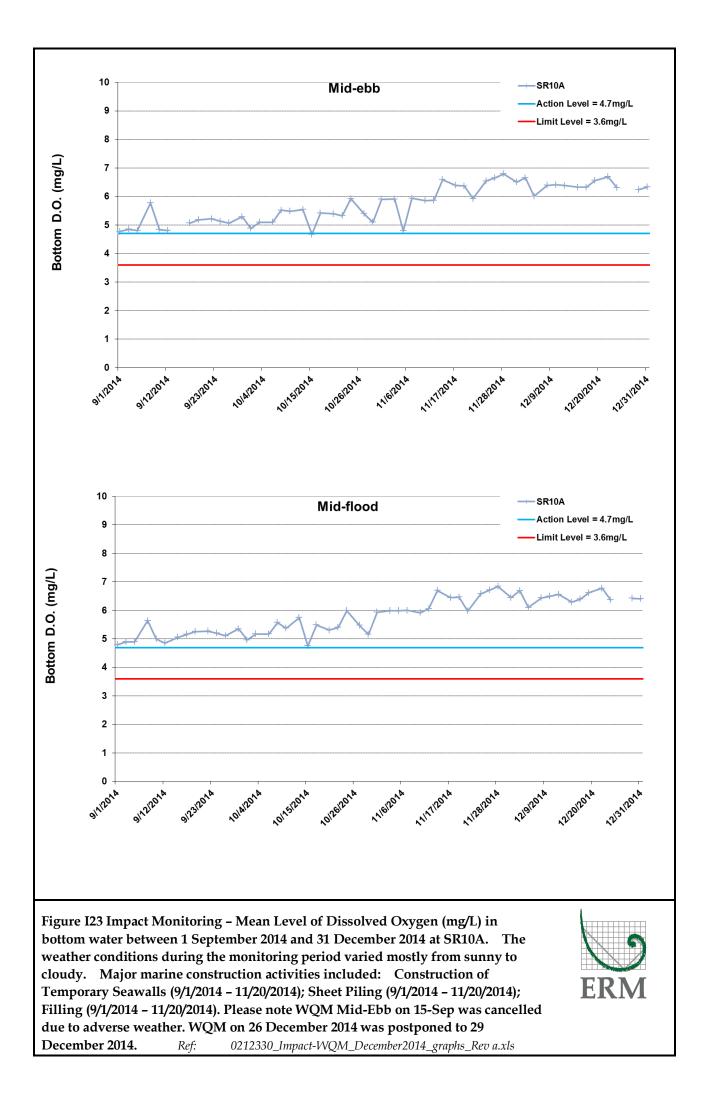


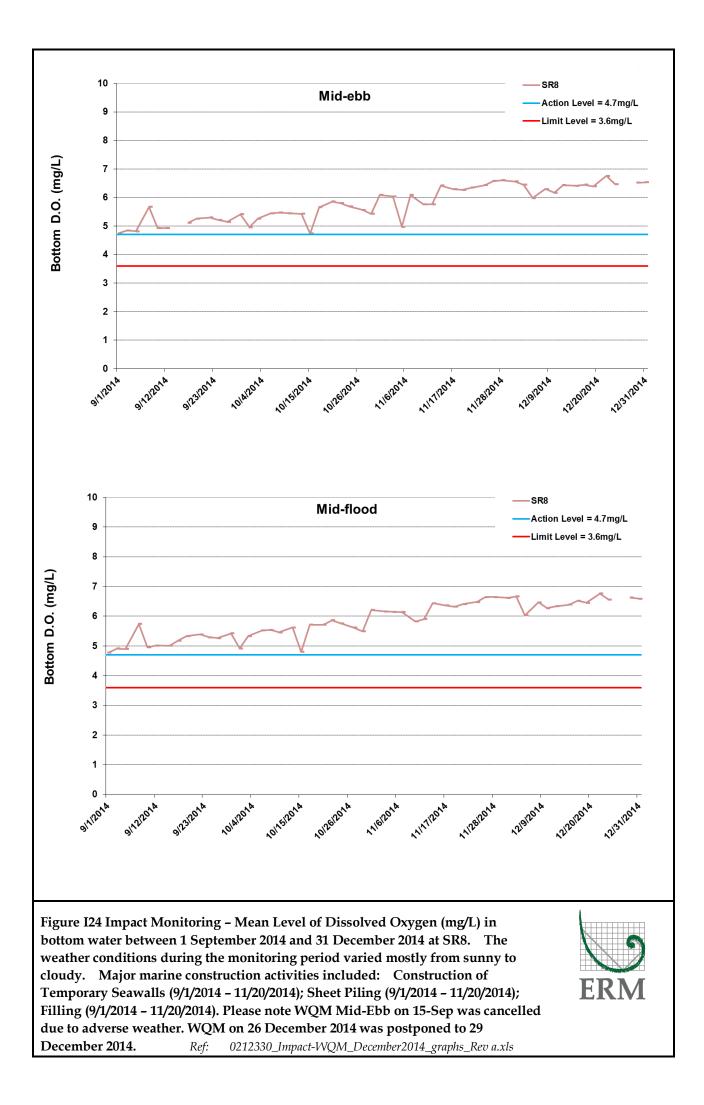


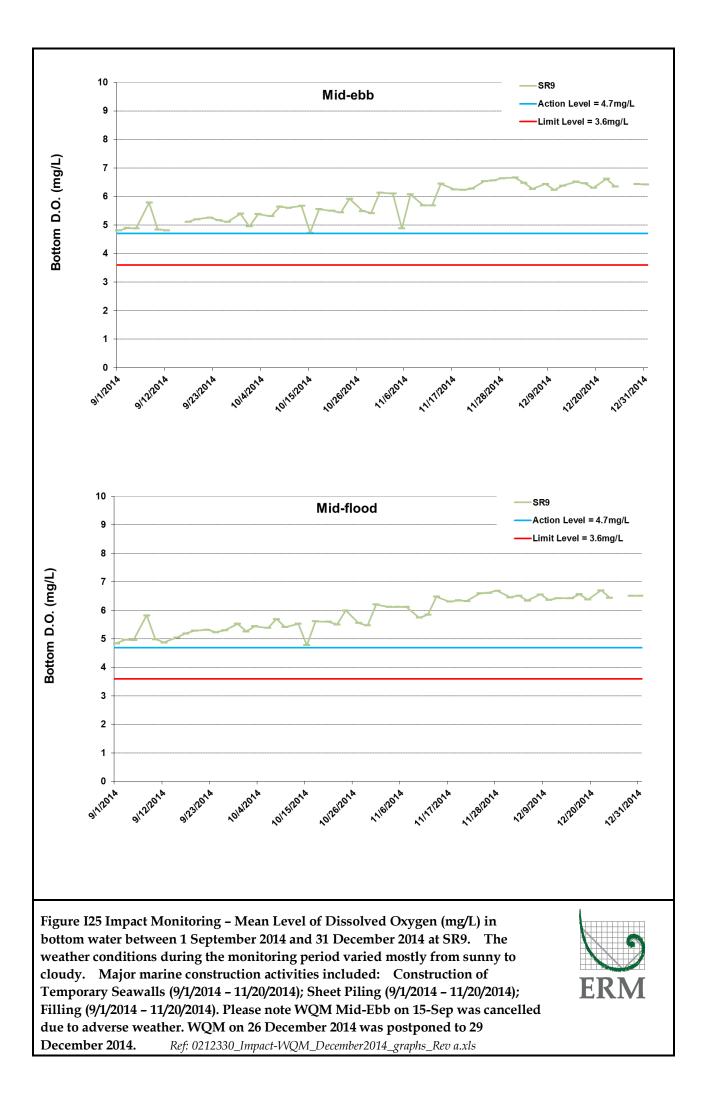


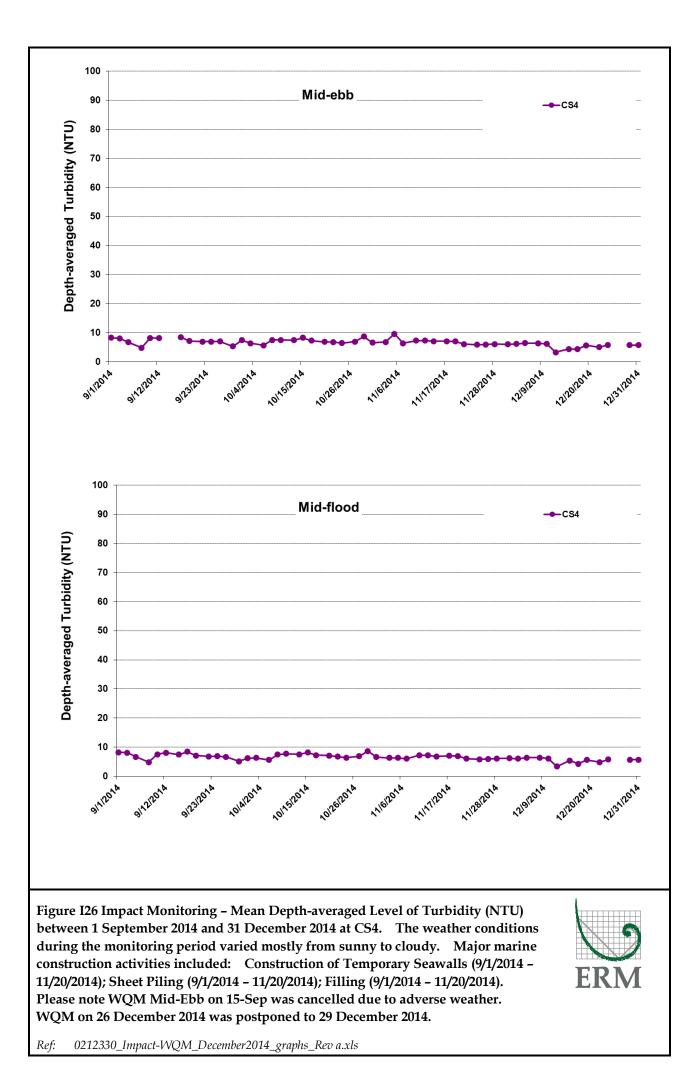


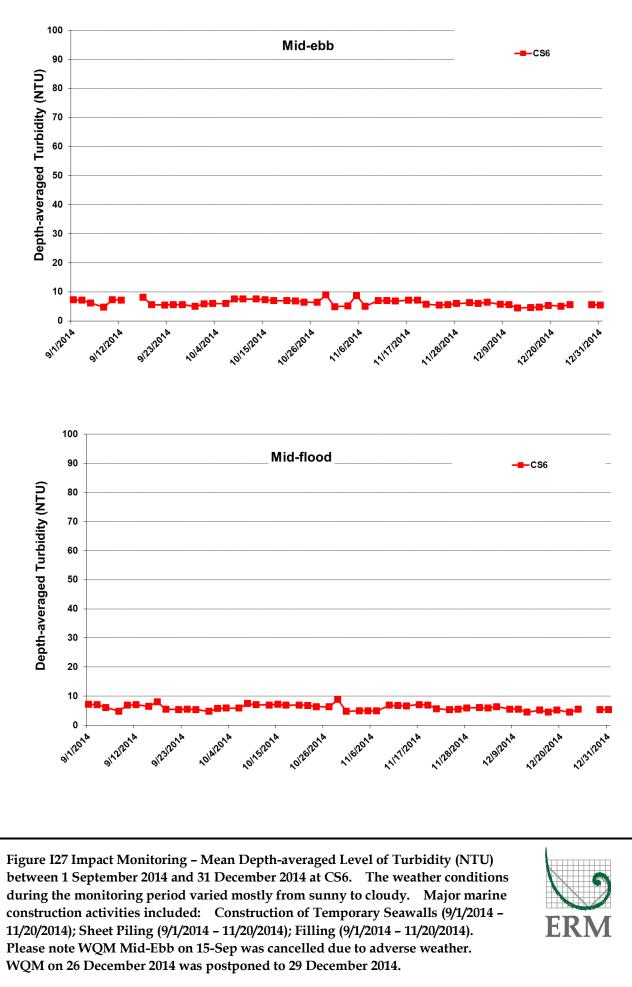


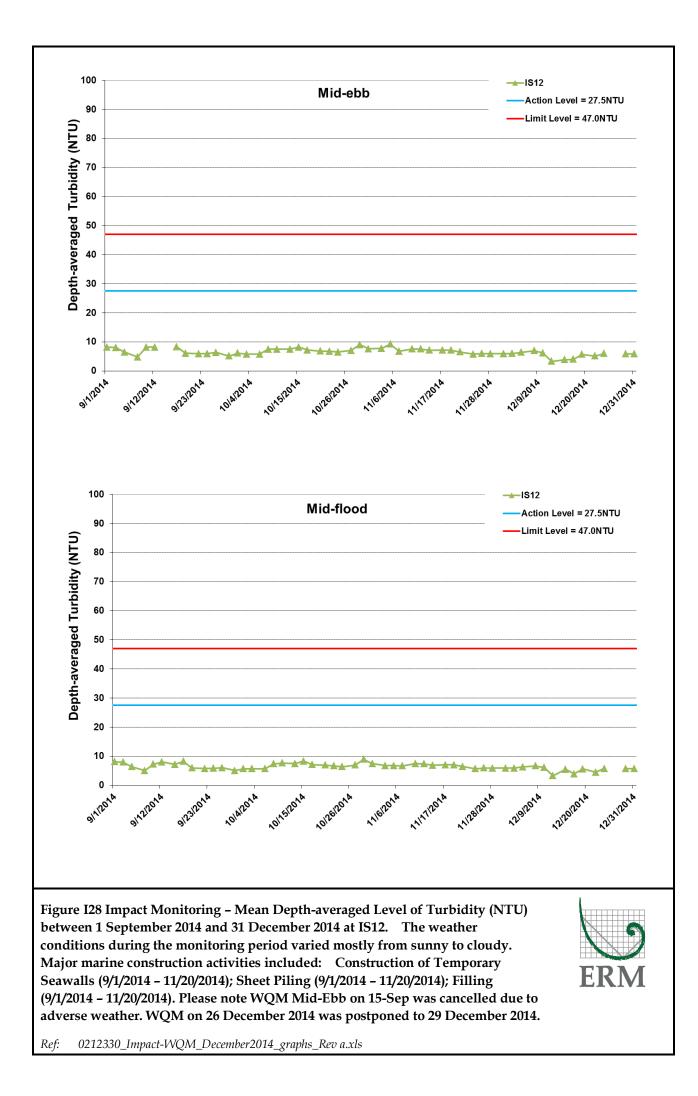


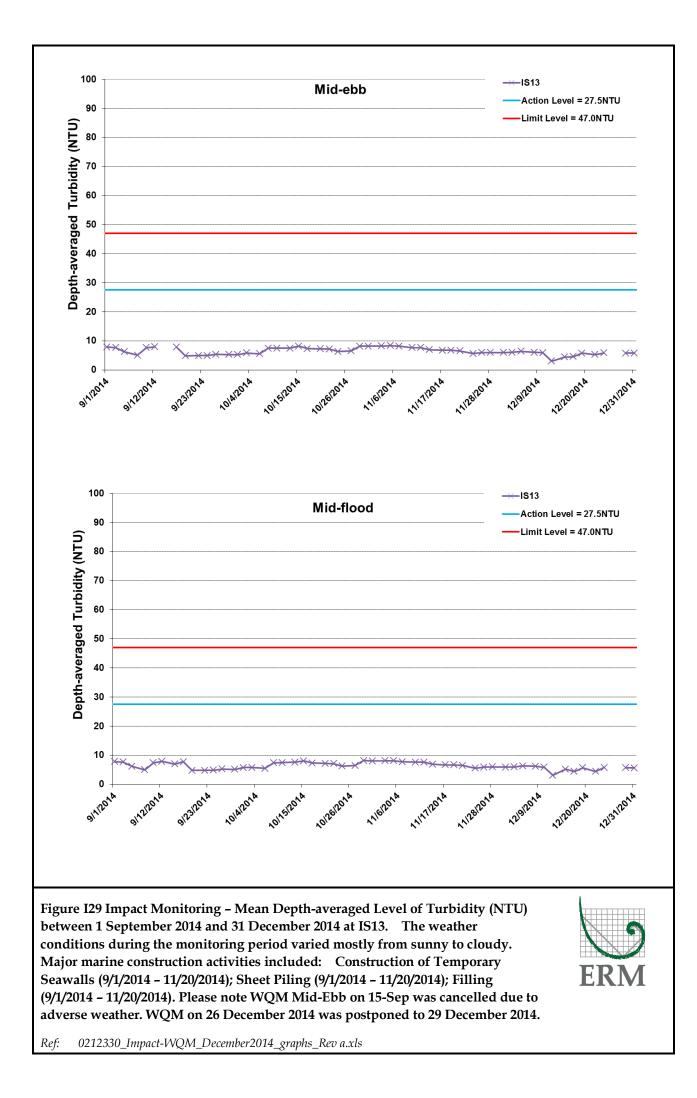


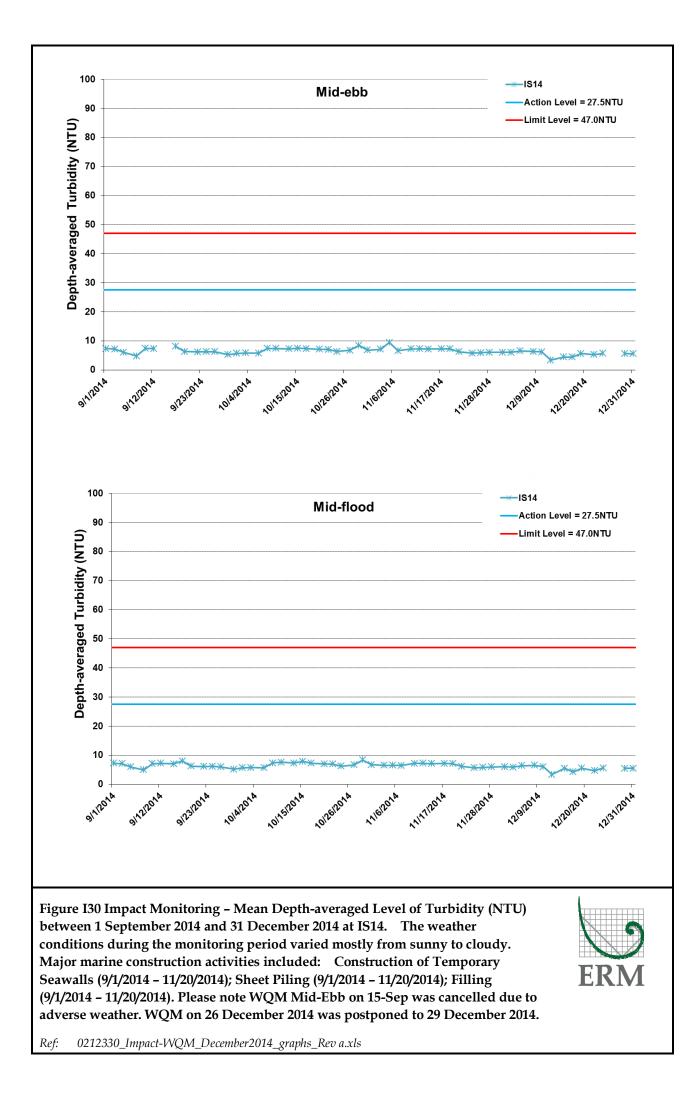


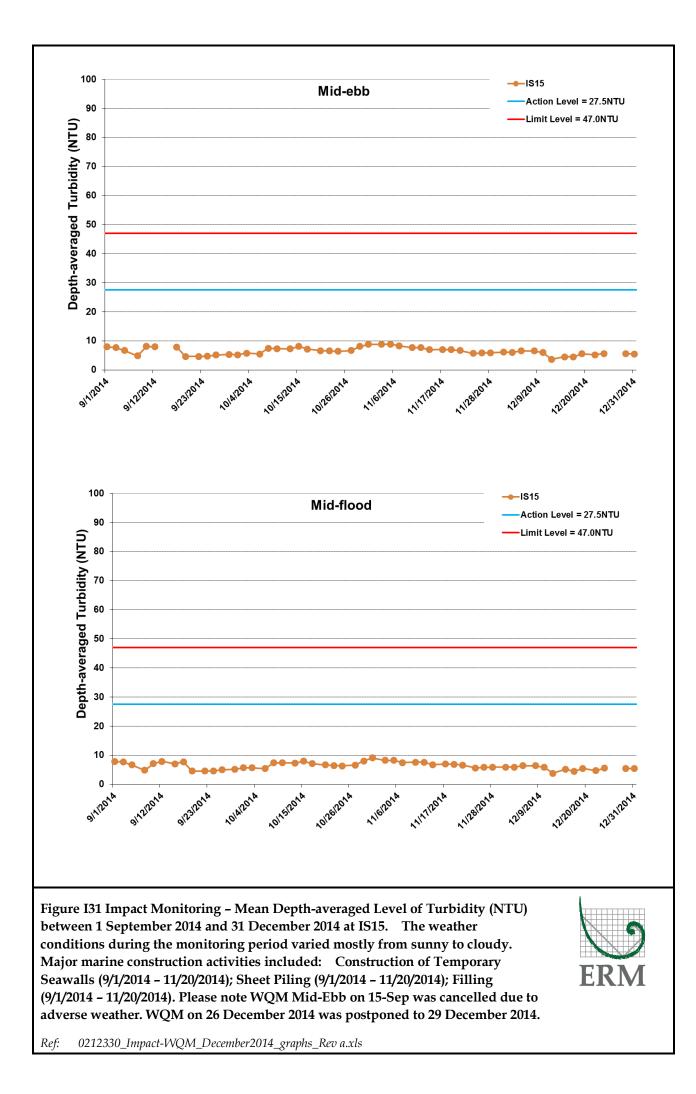


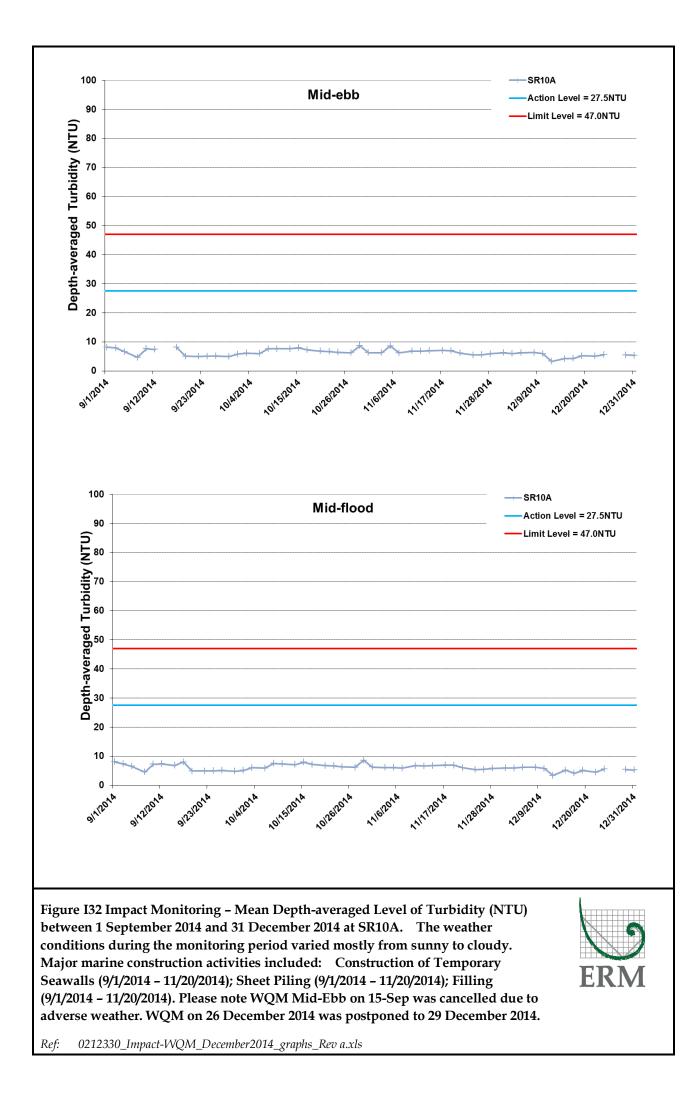


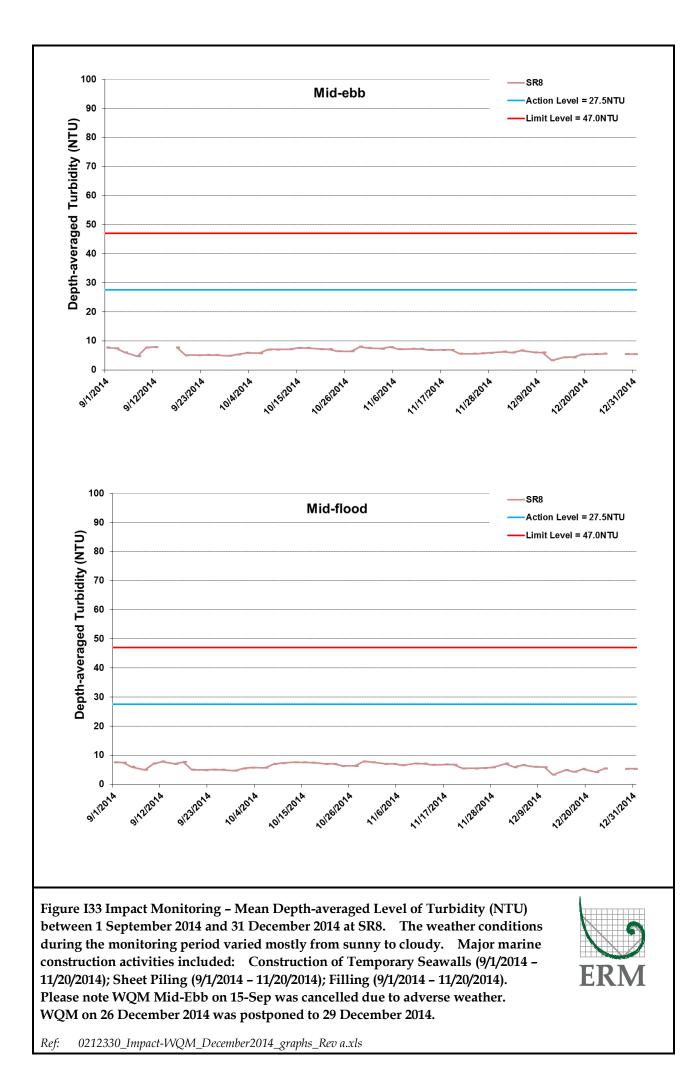


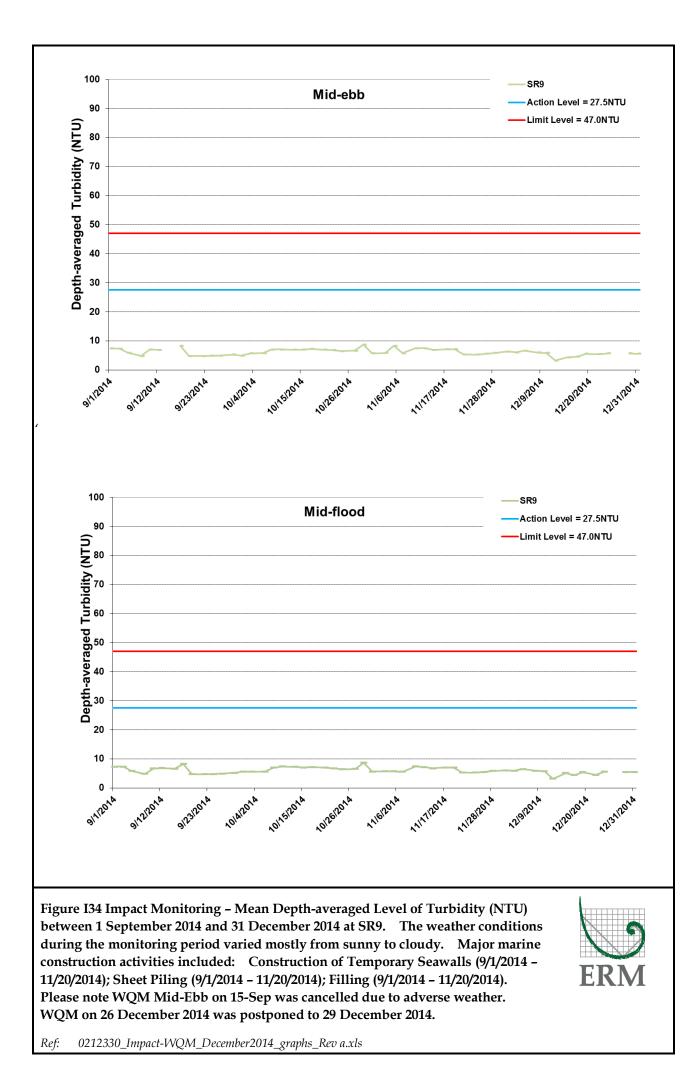


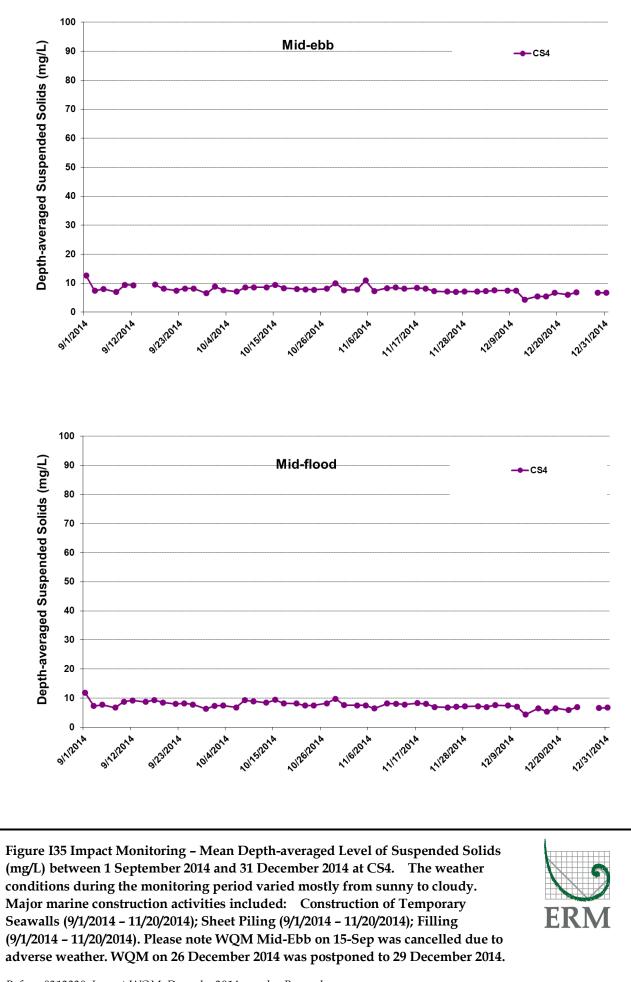


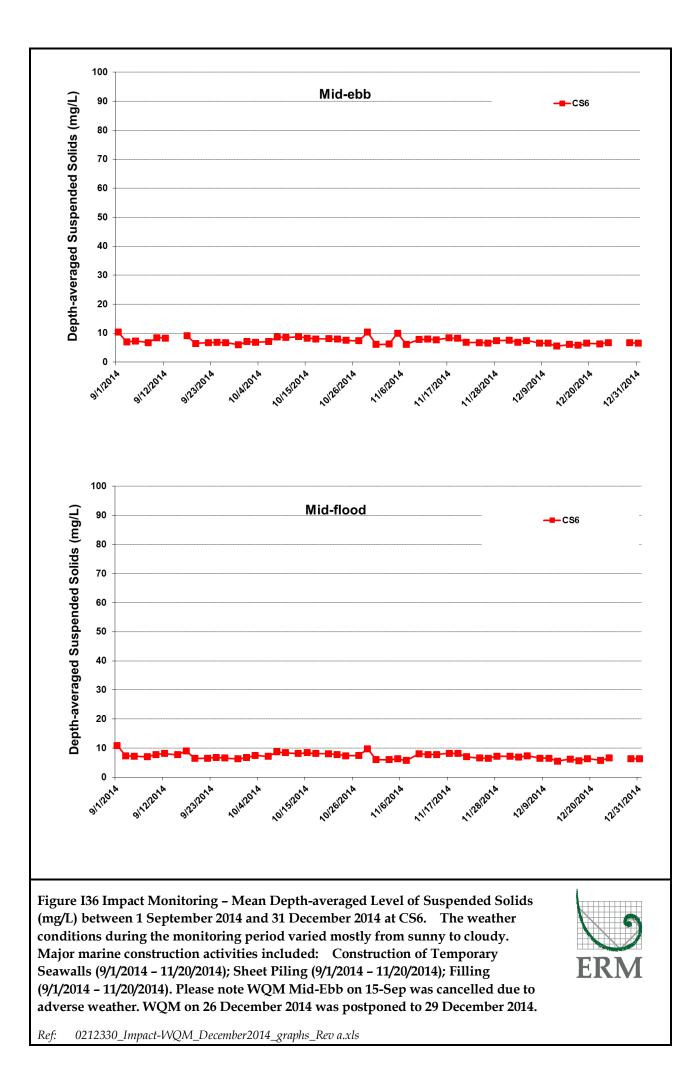


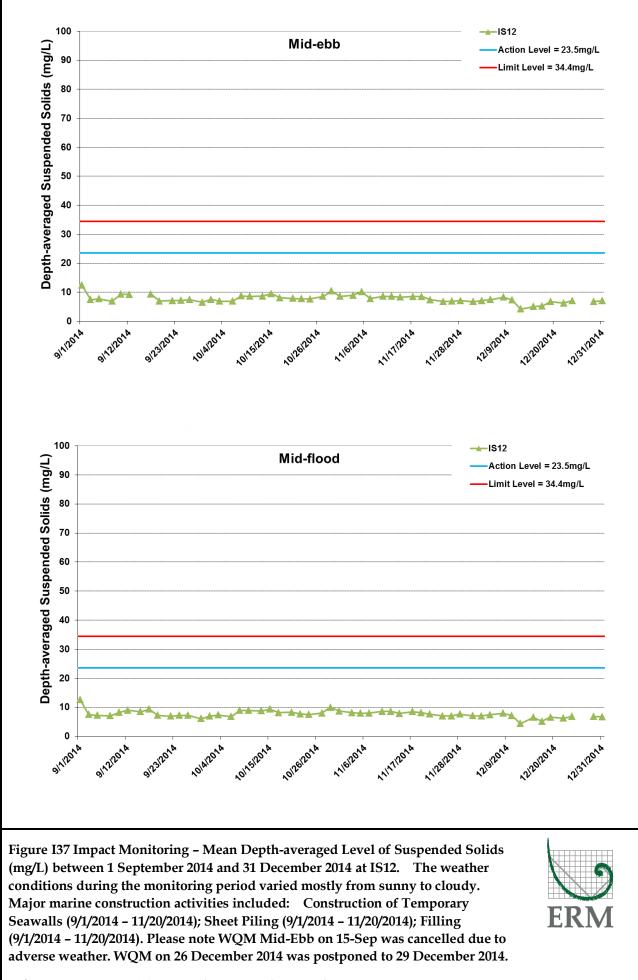


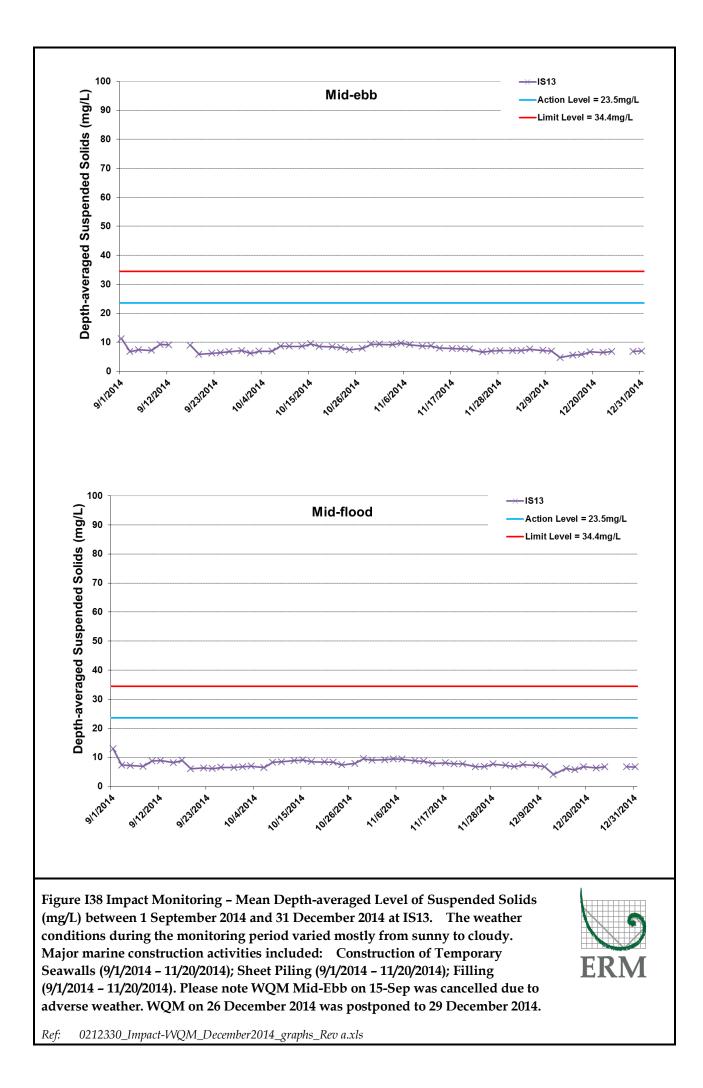


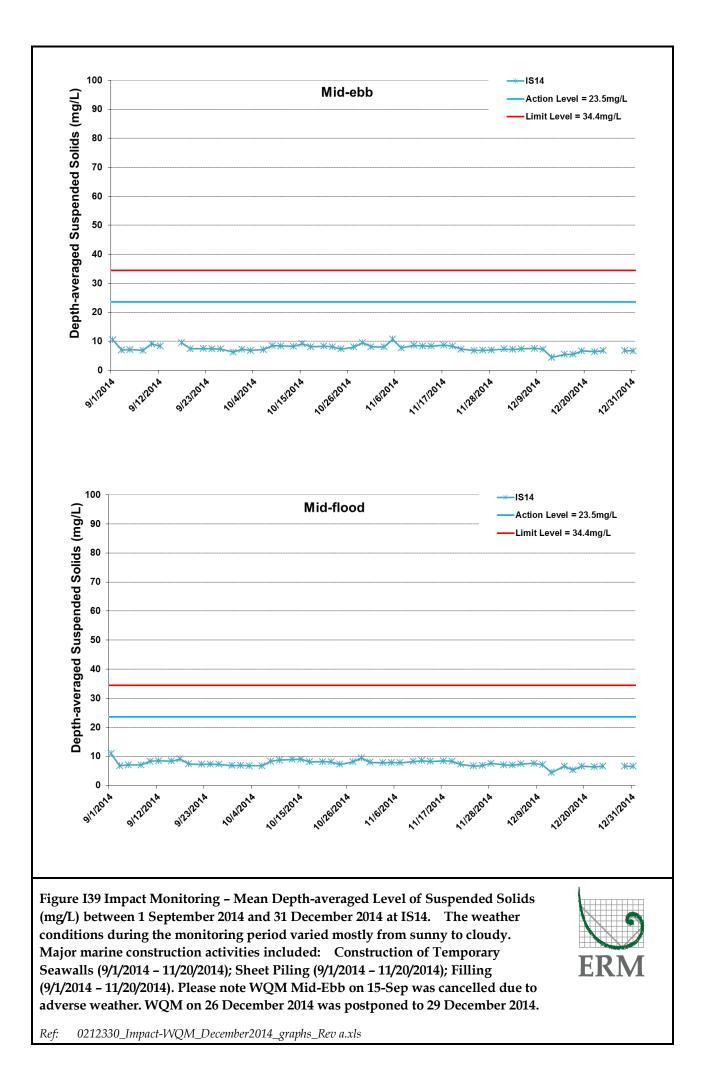


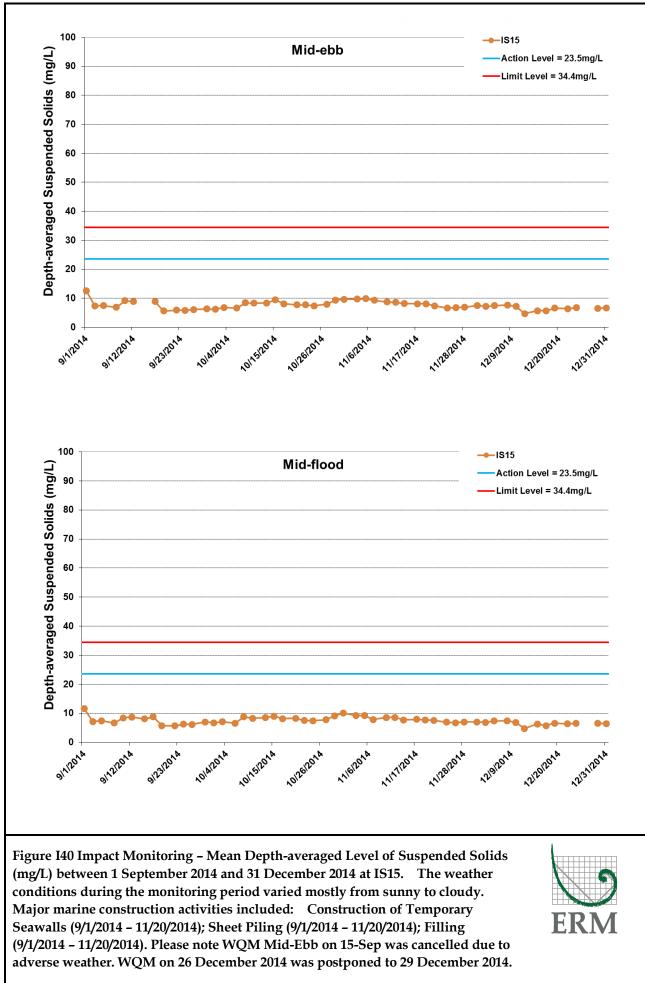


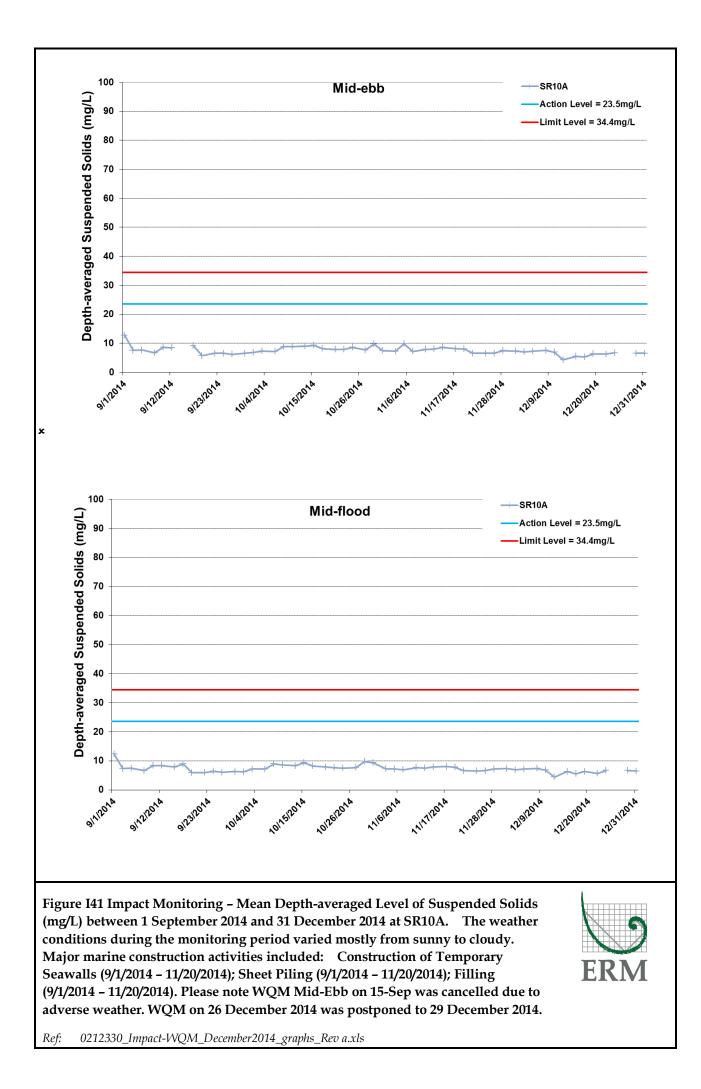


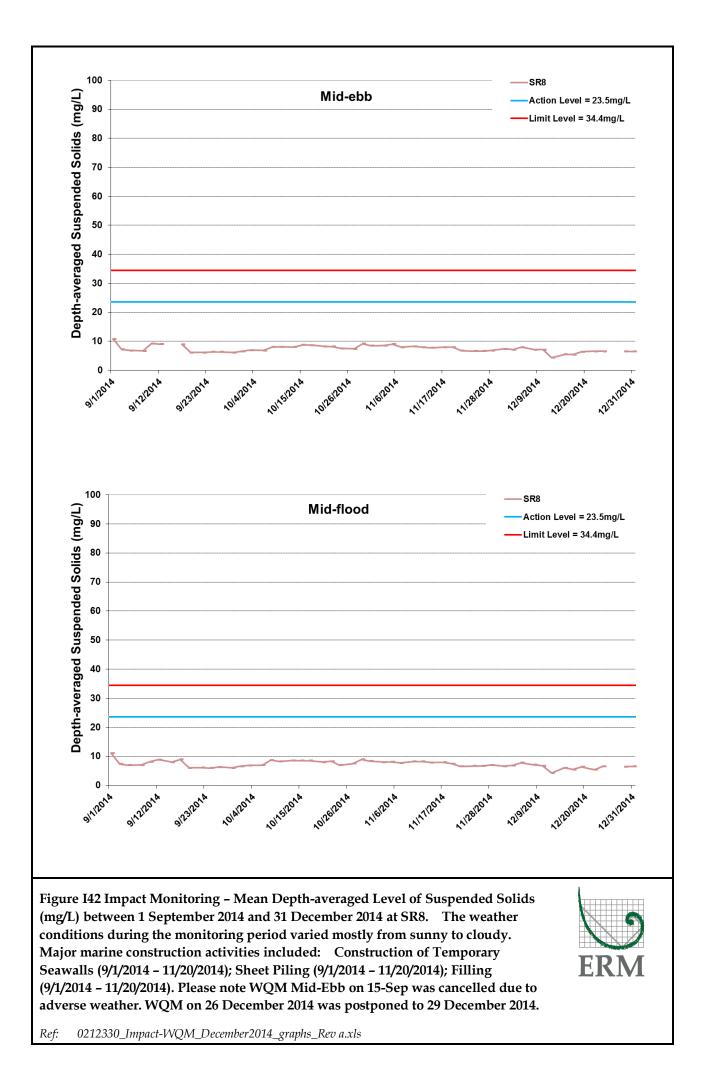


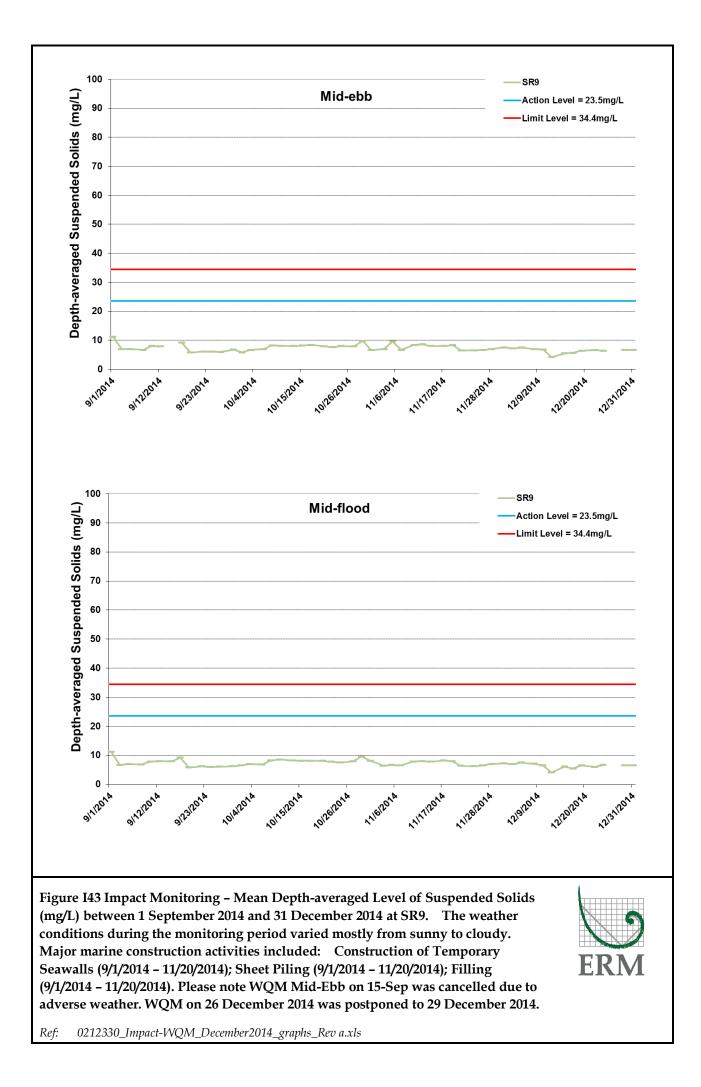












Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	CS4	Surface	1	1	1	15:58	23.9	7.97	27.2	6.67	5.97	6.7
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	CS4	Surface	1	1	2	15:58	24	7.95	27.3	6.7	6.02	7.1
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	CS4	Middle	10.7	2	1	15:58	24.2	7.98	27.5	6.68	6.14	7.3
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	CS4	Middle	10.7	2	2	15:58	24.2	8	27.4	6.64	6.19	7.5
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	20.3	3	1	15:58	24.3	8.01	27.6	6.46	6.27	7.4
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	20.3	3	2	15:58	24.3	8.03	27.6	6.4	6.31	7.5
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	1	13:17	23.9	8.01	27.2	6.74	5.42	6.8
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	2	13:17	23.9	8.02	27.3	6.78	5.49	6.6
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	CS6	Middle	6.3	2	1	13:17	24.2	8.05	27.3	6.61	6.21	7.4
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	CS6	Middle	6.3	2	2	13:17	24.3	8.07	27.4	6.65	6.27	7.1
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	CS6	Bottom	11.6	3	1	13:17	24.3	8.09	27.4	6.53	6.34	7.5
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	CS6	Bottom	11.6	3	2	13:17	24.4	8.1	27.5	6.57	6.36	7.7
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	IS12	Surface	1	1	1	15:19	24	7.98	27.3	6.64	5.42	6.3
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	IS12	Surface	1	1	2	15:19	24.1	8.01	27.2	6.6	5.38	6.7
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	IS12	Middle	7.8	2	1	15:19	24.2	8	27.5	6.73	6.12	7.1
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	IS12	Middle	7.8	2	2	15:19	24.2	8.05	27.4	6.69	6.07	7.2
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	14.6	3	1	15:19	24.3		27.6	6.46	6.22	7.8
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	14.6	3	2	15:19	24.2	8.01	27.7	6.49	6.27	7.5
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	1	14:57	23.9		27.2	6.76	5.79	7.1
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	2	14:57	24	8.05	27.3	6.74	5.9	7.3
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	IS13		6.3	2	1	14:57	24.2	8	27.5	6.6	5.68	6.8
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	IS13	Middle	6.3	2	2	14:57	24.3	8.03	27.4	6.67	5.71	6.7
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	11.5	3	1	14:57	24.3	8.04	27.6	6.5	6.14	7.8
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	11.5	3	2	14:57	24.3		27.5	6.53	6.17	7.7
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	1	15:39	24	7.95	27.3	6.72	5.86	6.4
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	2	15:39	24	7.98	27.3	6.78	5.8	6.7
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	IS14		8.3	2	1	15:39	24.3	8	27.4	6.57	5.99	7
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy		IS14		8.3	2	2	15:39	24.3		27.4	6.51	6.03	6.8
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy		IS14	Bottom	15.6	3	1	15:39	24.4		27.6	6.38	6.16	7.4
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy		IS14		15.6	3	2	15:39	24.4		27.7	6.42	6.19	7.7
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	1	14:36	23.9		27.2	6.63	6.42	7.4
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy		IS15	Surface	1	1	2	14:36	23.9	7.96	27.3	6.69	6.48	7.7
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	IS15		5.8	2	1	14:36	24.2	8	27.4	6.73	5.73	6.8
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy		IS15		5.8	2	2	14:36	24.2		27.4	6.75	5.76	6.8
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	10.5	3	1	14:36	24.3		27.6	6.59	5.42	6.7
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy		IS15	Bottom	10.5	3	2	14:36	24.4		27.5	6.56	5.48	6.9
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy		SR8	Surface	1	1	1	13:59	23.9		27.3	6.62	8.48	6.4
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy		SR8	Surface	1	1	2	13:59	23.9	8.09	27.3	6.67	8.51	6.7
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	1	13:59						
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy		SR8	Middle		2	2	13:59			07.4		5.00	
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	SR8		4.3	3	1	13:59	24.3	8.1	27.4	6.6	5.62	6.9
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy		SR8		4.3	3	2	13:59	24.2		27.4	6.63	5.67	6.5
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	1	14:17	23.9		27.2	6.57	5.76	6.7
	HY/2012/08	2014-12-01	Mid-Flood	Cloudy		SR9	Surface	1	1	2	14:17	24	8.01	27.3	6.61	5.73	6.9
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy		SR9	Middle	<u> </u>	2		14:17						_ _ /
	HY/2012/08	2014-12-01	Mid-Flood	Cloudy		SR9	Middle		2	2	14:17	24.2	0 07	27.6	6.49	6.22	
	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	SR9		4.4	3 2		1	24.3		27.6	6.48	6.32	7.4
TMCLKL	HY/2012/08	2014-12-01	Mid-Flood	Cloudy		SR9		4.4	3	2		24.4		27.7	6.44	6.36	7.9
	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1		13:40	24	-	27.3	6.72	5.72	7.1
	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	6		2	13:40	23.9		27.3	6.77	5.77	7.3
	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	6	2		13:40	24.2		27.4	6.58	6.04	7.4
	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	6	2	2	13:40	24.2		27.4	6.61	6.08	7.6
	HY/2012/08	2014-12-01	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	11	<u>ゝ</u>		13:40	24.4	8.1	27.5	6.42	6.16	7.2
	HY/2012/08	2014-12-01	Mid-Flood	Cloudy		SR10A	Bottom	11	3	2	13:40	24.4		27.5	6.47	6.21	7.3
	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		CS4	Surface	1			06:17	24.2		27.6	6.67	5.97	6.9
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		CS4	Surface	1		2	06:17	24.3		27.7	6.64	6.04	7.2
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		CS4	Middle Middle	10.5	2			24.3		27.8	6.72	5.82	6.7
	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle	Small Wave	004	Innage	C.01]	2	2	06:17	Z4.4	8.1	27.9	6.75	5.88	6.5

Project	Works	Date	Tide	Weather	Sea	Stat	Level	Water	Lev_Cod	Replicate	Time	Temp(°C)	pН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle	Condition Small Wave	CS4	Bottom	Depth 20	-	1	06:17	24.4	8.12	28	6.61	6.24	7.4
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		CS4 CS4	Bottom	20	3	2	06:17	24.4	8.13	28	6.58	6.35	7.7
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		CS4 CS6	Surface	1	1	1	08:39	24.3	-	27.5	6.42	6.02	7.1
TMOLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		CS6	Surface	1	1	2	08:39	24.3		27.5	6.37	6.07	7.3
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		CS6	Middle	6.1	2	1	08:39	24.3	8.1	27.5	6.46	6.16	7.4
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		CS6	Middle	6.1	2	2	08:39	24.3	_	27.6	6.48	6.22	7.7
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		CS6	Bottom	11.2	3	1	08:39	24.3		27.7	6.23	6.53	7.6
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		CS6	Bottom	11.2	3	2	08:39	24.4	816	27.7	6.25	6.44	7.9
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		IS12	Surface	1	1	1	07:03	24.2	8.08	27.4	6.54	5.87	6.4
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		IS12	Surface	1	1	2	07:03	24.3	8.09	27.5	6.51	5.96	6.5
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		IS12	Middle	7.5	2	1	07:03	24.3	8.1	27.6	6.58	5.8	6.8
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		IS12	Middle	7.5	2	2	07:03	24.3	8.11	27.7	6.6	5.75	7.1
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		IS12	Bottom	14	3	1	07:03	24.3	8.11	27.8	6.63	6.03	7
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle	Small Wave	IS12	Bottom	14	3	2	07:03	24.3	8.12	27.8	6.67	5.97	6.8
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle	Small Wave	IS13	Surface	1	1	1	07:24	24.3	8.1	27.7	6.74	5.98	6.9
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle	Small Wave	IS13	Surface	1	1	2	07:24	24.2	8.09	27.8	6.7	6.04	6.7
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle	Small Wave	IS13	Middle	6	2	1	07:24	24.3	8.07	27.8	6.76	5.9	7.2
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle	Small Wave	IS13	Middle	6	2	2	07:24	24.3	8.08	27.8	6.77	5.86	7.4
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle	Small Wave	IS13	Bottom	11	3	1	07:24	24.3	8.09	27.8	6.68	6.07	7
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle	Small Wave	IS13	Bottom	11	3	2	07:24	24.4	8.1	27.9	6.65	6.13	7.2
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle	Small Wave	IS14	Surface	1	1	1	06:41	24.2	8.05	27.6	6.57	6.14	7.5
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle	Small Wave	IS14	Surface	1	1	2	06:41	24.2	8.06	27.6	6.6	6.07	7.7
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle	Small Wave	IS14	Middle	8.1	2	1	06:41	24.2	8.08	27.8	6.64	5.96	6.9
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle	Small Wave	IS14	Middle	8.1	2	2	06:41	24.3	8.09	27.8	6.67	5.91	6.7
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle	Small Wave	IS14	Bottom	15.2	3	1	06:41	24.3	8.1	27.8	6.52	6.05	7.4
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle	Small Wave	IS14	Bottom	15.2	3	2	06:41	24.4	8.11	27.9	6.49	6.09	7.6
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle	Small Wave	IS15	Surface	1	1	1	07:44	24.2	8.04	27.8	6.71	6.15	7.8
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle	Small Wave	IS15	Surface	1	1	2	07:44	24.3	8.05	27.8	6.73	6.1	7.8
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle	Small Wave	IS15	Middle	5.9	2	1	07:44	24.3	8.07	27.8	6.77	6.02	7.1
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle	Small Wave	IS15	Middle	5.9	2	2	07:44	24.3	8.08	27.8	6.8	5.96	7.5
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle	Small Wave	IS15	Bottom	10.8	3	1	07:44	24.3	-	27.9	6.7	6.32	7.4
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		IS15	Bottom	10.8	3	2	07:44	24.4	8.12	28	6.67	6.26	7.7
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		SR8	Surface	1	1	1	08:22	24.2		27.5	6.48	6.09	6.8
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		SR8	Surface	1	1	2	08:22	24.2	8.15	27.6	6.51	6.14	7.2
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		SR8	Middle		2	1	08:22						
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		SR8	Middle		2	2	08:22						
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		SR8		4.4	3	1	08:22	24.2	_	27.6	6.55	6.28	7.6
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		SR8	Bottom	4.4	3	2	08:22	24.3		27.7	6.57	6.34	7.9
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		SR9	Surface	1	1	1	08:05	24.2	8.1	27.8	6.63	6.24	7.6
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		SR9	Surface	1	1	2	08:05	24.2	8.11	27.9	6.6	6.29	7.5
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		SR9	Middle	ļ	2	1	08:05		<u> </u>				_ _ '
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		SR9	Middle		2	2	08:05						_ <u></u> '
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		SR9	Bottom	4.6	3	1	08:05	24.2	8.12		6.65	6.41	7.4
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		SR9	Bottom	4.6	3	2	08:05	24.3	8.13		6.67	6.36	7.7
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		SR10A	Surface	1	11	1	09:08	24.2	8.1	27.6	6.57	6.23	7.1
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		SR10A	Surface	1	1	2	09:08	24.3		27.6	6.61	6.18	7.3
TMCLKL	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		SR10A	Middle	6.2	2		09:08	24.3	-	27.6	6.38	6.11	7.4
	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		SR10A	Middle	6.2	2	2	09:08	24.3		27.7	6.42	6.05	7.6
	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		SR10A	Bottom	11.4	3		09:08	24.3	-	27.7	6.49	6.42	7.2
	HY/2012/08	2014-12-01	Mid-Ebb	Drizzle		SR10A	Bottom	11.4	3	2	09:08	24.4		27.7	6.52	6.37	7.3
	HY/2012/08	2014-12-03	Mid-Flood	Cloudy		CS4	Surface	1	1	2	17:17	23	8.1	28.9	6.58	5.88	6.8
	HY/2012/08	2014-12-03	Mid-Flood	Cloudy		CS4	Surface	10.0		2	17:17	22.9		29	6.62	5.86	6.5
	HY/2012/08	2014-12-03	Mid-Flood	Cloudy		CS4	Middle	10.8	2	1	17:17	23		29.1	6.65	5.97	6.7
	HY/2012/08	2014-12-03	Mid-Flood	Cloudy		CS4	Middle	10.8	2	2	17:17	23		29.1	6.63	6.04	7.1
	HY/2012/08	2014-12-03	Mid-Flood	Cloudy		CS4	Bottom	20.5	3		17:17	23.1		29.2	6.64	6.3	7.2
	HY/2012/08	2014-12-03	Mid-Flood	Cloudy		CS4	Bottom	20.5	3	2	17:17	23.2		29.1	6.68	6.34 5.88	7.3
	HY/2012/08 HY/2012/08	2014-12-03 2014-12-03	Mid-Flood	Cloudy Cloudy	Small Wave Small Wave	CS6	Surface Surface	1	1	2	14:38	23.4	8.05		6.54 6.58	5.88 5.84	6.8 6.9
TMCLKL	111/2012/00	2014-12-03	11110-1-1000	Cloudy		000	Sunace	11	[I	<u> </u> ∠	14:38	23.3	8.03	23	0.00	0.04	0.9

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	2014-12-03	Mid-Flood	Cloudy		CS6	Middle	6.4	2	1	14:38	23.4	8.08	29.1	6.61	5.74	6.6
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy		CS6	Middle	6.4	2	2	14:38	23.5	8.06	29.2	6.64	5.7	6.4
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy		CS6	Bottom	11.7	3	1	14:38	23.5		29.2	6.68	6.14	7.2
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy		CS6	Bottom	11.7	3	2	14:38	23.4		29.3	6.66	6.16	7.4
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy		IS12	Surface	1	1	1	16:38	23.2	8.16	29.2	6.6	5.8	6.9
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	IS12	Surface	1	1	2	16:38	23.2	8.15	29.1	6.55	5.84	6.7
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	IS12	Middle	7.9	2	1	16:38	23.1	8.13	29.1	6.68	5.9	7.1
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	IS12	Middle	7.9	2	2	16:38	23.2	8.14	29.2	6.7	5.94	7.3
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	14.7	3	1	16:38	23.2	8.16	29.2	6.66	5.92	6.8
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	14.7	3	2	16:38	23.3	8.16	29.2	6.7	5.96	7.2
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	1	16:17	23.1	8.1	29	6.64	5.96	6.7
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	2	16:17	23.2	8.08	29.1	6.59	5.99	6.8
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	IS13	Middle	6.3	2	1	16:17	23.2	8.13	29.2	6.6	5.85	6.5
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	IS13	Middle	6.3	2	2	16:17	23.1	8.12	29.2	6.64	5.86	6.4
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	11.5	3	1	16:17	23.2	8.14	29.3	6.61	6.04	7.1
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	11.5	3	2	16:17	23.3	8.14	29.3	6.54	6.06	7.3
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	1	16:57	23	8.14	29	6.64	5.82	6.4
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	2	16:57	23.1	8.15	29.1	6.63	5.85	6.8
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	IS14	Middle	8.4	2	1	16:57	23	8.12	29.2	6.58	5.94	7
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	IS14	Middle	8.4	2	2	16:57	23.1	8.16	29.1	6.62	5.97	7.2
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	15.7	3	1	16:57	23.2	8.16	29.2	6.67	6.01	7.3
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	15.7	3	2	16:57	23.3	8.17	29.2	6.65	5.96	7
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	1	15:57	23.2	8.14	29.1	6.54	5.94	6.7
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	2	15:57	23.1	8.13	29.1	6.58	5.91	6.5
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	IS15	Middle	6.2	2	1	15:57	23.2	8.15	29.2	6.61	5.88	6.7
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	IS15	Middle	6.2	2	2	15:57	23.3	8.15	29.2	6.63	5.84	6.9
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	11.3	3	1	15:57	23.3	8.14	29.3	6.68	5.96	7.1
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	11.3	3	2	15:57	23.3	8.16	29.2	6.7	5.98	7.3
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	1	15:26	23.3	8.13	28.8	6.44	5.94	6.9
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	2	15:26	23.2	8.11	28.9	6.38	5.92	6.7
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	1	15:26						
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	2	15:26						
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy		SR8	Bottom	4.9	3	1	15:26	23.3	8.14	29.1	6.84	5.82	6.8
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.9	3	2	15:26	23.3	8.15	29	6.49	5.85	7
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	1	15:42	23.2	8.1	28.9	6.43	5.98	7.1
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy		SR9	Surface	1	1	2	15:42	23.1	8.12	28.9	6.46	6.03	7.4
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy		SR9	Middle		2	1	15:42						
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy		SR9	Middle		2	2	15:42						
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy		SR9		4.9	3	1	15:42	23.2		29.1	6.53	5.82	6.8
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy		SR9		4.9	3	2	15:42	23.2		29	6.5	5.84	6.4
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy		SR10A	Surface	1	1	1	15:02	23.3		29.1	6.62	5.98	6.5
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy		SR10A	Surface	1	1	2	15:02	23.3	8.1	29	6.6	5.92	6.7
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy		SR10A		6.5	2	1	15:02	23.4	-	29.2	6.64	5.76	6.8
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy		SR10A	Middle	6.5	2	2	15:02	23.3		29.2	6.67	5.74	6.5
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy		SR10A	Bottom	11.9	3	1	15:02	23.4	1	29.3	6.7	5.96	7.2
TMCLKL	HY/2012/08	2014-12-03	Mid-Flood	Cloudy		SR10A	Bottom	111.9	3	2	15:02	23.4	8.1	29.3	6.68	5.92	7.5
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		CS4	Surface	1	1	1	08:29	22.8		29.4	6.68	5.94	6.9
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		CS4	Surface	1	1	2	08:29	22.9		29.3	6.67	5.97	6.7
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		CS4	Middle	10.2	2	1	08:29	22.9		29.3	6.73	6.09	7.1
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		CS4	Middle	10.2	2	2	08:29	22.9		29.4	6.78	6.13	7.3
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		CS4	Bottom	19.4	3	1	08:29	22.9		29.4	6.59	6.43	7.5
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		CS4	Bottom	19.4	3	2	08:29	23.1	1	29.5	6.61	6.49	7.8
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		CS6	Surface	1	1	1	11:13	23.1		29.1	6.52	5.94	6.8
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		CS6	Surface	1	1	2	11:13	23.2		29.2	6.51	5.91	6.7
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		CS6	Middle	5.8	2	1	11:13	23.2		29.2	6.6	5.78	6.7
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		CS6	Middle	5.8	2	2	11:13	23.3		29.3	6.58	5.81	6.5
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		CS6	Bottom	10.7	3	1	11:13	23.4		29.4	6.64	6.19	7.2
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy	Small Wave	CS6	Bottom	10.7	3	2	11:13	23.4	8.14	29.3	6.63	6.22	7.4

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	2014-12-03	Mid-Ebb	Cloudy	Small Wave	IS12	Surface	1	1	1	09:10	23	8.16	29.5	6.47	5.93	6.8
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy	Small Wave	IS12	Surface	1	1	2	09:10	23.1	8.17	29.3	6.53	5.97	6.5
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		IS12	Middle	7.2	2	1	09:10	23.1	8.14	29.3	6.63	6.01	7.1
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		IS12	Middle	7.2	2	2	09:10	23.1	8.14	29.4	6.58	5.98	7.3
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		IS12	Bottom	13.4	3	1	09:10	23.1	8.17	29.4	6.6	6.03	7.2
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		IS12	Bottom	13.4	3	2	09:10	23.2	8.18	29.3	6.63	6.05	7.5
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		IS13	Surface	1	1	1	09:31	22.9	8.11	29.3	6.51	6.07	7.3
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		IS13	Surface	1	1	2	09:31	23		29.4	6.53	6.02	7
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		IS13	Middle	5.9	2	1	09:31	23	8.13	29.3	6.57	5.94	6.8
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		IS13	Middle	5.9	2	2	09:31	23.1	8.14	29.5	6.59	5.91	6.7
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		IS13	Bottom	10.8	3	1	09:31	23.2	8.14	29.4	6.5	6.13	7.4
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		IS13	Bottom	10.8	3	2	09:31	23.2	8.15	29.5	6.52	6.11	7.3
	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		IS14	Surface	1	1		08:50	22.8	8.16	29.3	6.62	5.87	6.7
	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		IS14	Surface	70		2	08:50	22.9	8.17	29.2	6.6	5.93	6.5
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-12-03 2014-12-03	Mid-Ebb Mid-Ebb	Cloudy Cloudy		IS14 IS14	Middle Middle	7.8 7.8	2		08:50 08:50	22.9 23	8.16 8.17	29.4	6.54 6.58	6.07 6.12	7.1
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		IS14 IS14	Bottom	14.5	2	2	08:50	23.1	8.17	29.5 29.4	6.6	6.13	7.3 7.5
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		IS14 IS14	Bottom	14.5	3	2	08:50	23.1	_	29.2	6.62	6.15	7.8
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		IS14 IS15	Surface	14.5	1	1	09:51	23.2	8.14	29.3	6.47	6.01	7.1
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		IS15	Surface	1	1	2	09:51	23.1	_	29.4	6.49	6.04	7.3
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		IS15	Middle	5.7	2	1	09:51	23.1	8.16	29.3	6.58	5.91	6.9
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		IS15	Middle	5.7	2	2	09:51	23.2	8.16	29.5	6.6	5.94	7.3
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy	Small Wave	IS15	Bottom	10.3	3	1	09:51	23.2	8.15	29.4	6.62	6.08	7.2
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		IS15	Bottom	10.3	3	2	09:51	23.3	8.17	29.5	6.65	6.03	7.3
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		SR8	Surface	1	1	1	10:32	23.1	8.12	29.1	6.35	6.07	7.1
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		SR8	Surface	1	1	2	09:51	23.2	8.13	29	6.37	6.01	7.3
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		SR8	Middle		2	1	09:51						
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		SR8	Middle		2	2	09:51						
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy	Small Wave	SR8	Bottom	3.8	3	1	09:51	23.2	8.15	29.1	6.43	5.93	6.9
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy	Small Wave	SR8	Bottom	3.8	3	2	09:51	23.2	8.16	29.2	6.46	5.89	7.1
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy	Small Wave	SR9	Surface	1	1	1	10:12	23	8.11	29.2	6.38	6.07	7.1
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy	Small Wave	SR9	Surface	1	1	2	10:12	23.1	8.12	29.3	6.41	6.13	7.4
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy	Small Wave	SR9	Middle		2	1	10:12						
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy	Small Wave	SR9	Middle		2	2	10:12						
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy	Small Wave	SR9	Bottom	3.6	3	1	10:12	23.1	8.15	29.3	6.47	5.91	6.9
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy	Small Wave	SR9	Bottom	3.6	3	2	10:12	23.1	8.15	29.4	6.5	5.94	7.2
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy	Small Wave	SR10A	Surface	1	1	1	10:53	22.9	8.09	29.2	6.57	6.07	7.1
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		SR10A	Surface	1	1	2	10:53	23	8.1	29.1	6.59	6.01	7.3
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		SR10A		5.9	2	1	10:53	22.9	_	29.2	6.6	5.84	6.5
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		SR10A	Middle	5.9	2	2	10:53	23.1		29.3	6.63	5.81	6.8
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		SR10A	Bottom	10.7	3	1	10:53	23	8.11	29.3	6.64	6.07	7.2
TMCLKL	HY/2012/08	2014-12-03	Mid-Ebb	Cloudy		SR10A	Bottom	10.7	3	2	10:53	23.1	_	29.5	6.67	6.01	7.3
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		CS4	Surface	1	1	1	18:43	22.3	7.98	27.7	6.3	6.55	7.7
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		CS4	Surface	1	1	2	18:43	22.3	-	27.7	6.28	6.49	7.9
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		CS4	Middle	10.6	2	1	18:43	22.4	8.01	27.8	6.37	6.28	7.4
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		CS4	Middle	10.6	2	2	18:43	22.4	8	27.7	6.39	6.29	7.3
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		CS4	Bottom	20.2	3	1	18:43	22.5	8.04	28	6.45	6.36	7.6
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		CS4	Bottom	20.2	3	2	18:43	22.5	_	28	6.48	6.39	7.4
	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		CS6	Surface	1	1		15:50	22.3	8.09	27.8	6.08	6.43	7.2
	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		CS6	Surface			2	15:50	22.3	8.08	27.9	6.11	6.39	7.3
	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		CS6		6.4	2		15:50	22.3	8.1	27.9	6.13	6.53	7.7
	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		CS6	Middle	6.4	2	2	15:50	22.4	8.1	27.9	6.16	6.51	7.5
	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		CS6	Bottom	11.8	3 2		15:50	22.4	8.11	27.9	6.22	6.26	7.4
	HY/2012/08	2014-12-05 2014-12-05	Mid-Flood Mid-Flood	Cloudy Cloudy		CS6 IS12	Bottom	11.8	3 1	<u>ک</u> ۱	15:50 18:03	22.4	8.12	28 27.7	6.2 6.11	6.27 6.46	7.3
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-12-05		Cloudy		IS12 IS12	Surface	1	1	2	18:03	22.4	8.01	27.7	6.08	6.53	7.6 7.8
TMCLKL	HY/2012/08 HY/2012/08	2014-12-05	Mid-Flood Mid-Flood	Cloudy		IS12 IS12	Surface Middle	7.8	2	<u> </u>	18:03	22.4 22.5	-	27.8	6.14	6.34	7.8
		2014-12-05		Cloudy	Small Wave Small Wave		Middle		2	2	18:03		8.03		6.16	6.3	7.4
	00/2102/UX	2014-12-05			Small wave	1012	Innane	0.1	<u> </u> ∠	<u> </u> ∠	10.03	22.0	10.04	21.1	0.10	0.0	1.3

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	2014-12-05	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	14.6	3	1	18:03	22.6	8.03	27.9	6.21	6.02	7.1
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	14.6	3	2	18:03	22.6	8.02	27.9	6.23	6.06	6.8
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	1	17:43	22.3	8	27.7	6.12	6.28	7.4
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	2	17:43	22.4	8.01	27.8	6.1	6.33	7.6
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy	Small Wave	IS13	Middle	6.1	2	1	17:43	22.4	8.05	27.8	6.19	6.21	7.5
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy	Small Wave	IS13	Middle	6.1	2	2	17:43	22.5	8.03	27.9	6.21	6.24	7.3
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	11.2	3	1	17:43	22.5	8.05	27.9	6.28	6.37	7.6
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	11.2	3	2	17:43	22.5	8.05	28	6.26	6.41	7.8
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		IS14	Surface	1	1	1	18:23	22.3	7.99	27.8	6.14	6.62	7.9
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		IS14	Surface	1	1	2	18:23	22.3	8	27.7	6.19	6.57	7.7
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		IS14	Middle	8.4	2	1	18:23	22.4	8	27.9	6.22	6.31	7.5
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		IS14	Middle	8.4	2	2	18:23	22.4	8.02	27.9	6.25	6.34	7.3
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		IS14	Bottom	15.8	3	1	18:23	22.5	8.02	28	6.31	6.2	6.9
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		IS14	Bottom	15.8	3	2	18:23	22.5	8.04	28.1	6.33	6.23	7.1
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		IS15	Surface	1	1	1	17:23	22.3	8.04	27.7	6.14	6.51	7.1
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	2	17:23	22.3	8.05	27.7	6.19	6.53	7.3
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		IS15	Middle	6.2	2	1	17:23	22.3	8.07	27.7	6.21	6.31	7.3
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		IS15	Middle	6.2	2	2	17:23	22.4	8.07	27.8	6.25	6.34	7.6
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		IS15	Bottom	11.3	3	1	17:23	22.4	8.09	27.9	6.33	6.33	7.2
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		IS15	Bottom	11.3	3	2	17:23	22.5	8.1	28	6.31	6.39	7.6
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		SR8	Surface	1	1	1	16:42	22.3	8.06	27.8	6.04	6.52	7.7
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		SR8	Surface	1	1	2	16:42	22.3	8.07	27.9	6.01	6.48	7.6
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		SR8	Middle		2	1	16:42						'
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		SR8	Middle		2	2	16:42						
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		SR8	Bottom	4.9	3	1	16:42	22.3	8.09	28	6.02	6.67	7.9
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		SR8	Bottom	4.9	3	2	16:42	22.4	8.1	27.9	6.04	6.72	7.9
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		SR9	Surface	1	1	1	17:02	22.4	7.99	27.7	6.23	6.38	7.1
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		SR9	Surface	1	1	2	17:02	22.3	8	27.8	6.26	6.41	7.4
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		SR9	Middle		2	1	17:02						
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		SR9	Middle		2	2	17:02						
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		SR9	Bottom	4.9	3	1	17:02	22.4		27.8	6.33	6.49	7.6
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		SR9	Bottom	4.9	3	2	17:02	22.5		27.9	6.36	6.51	7.9
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		SR10A	Surface	1	1	1	16:17	22.3	_	27.8	6.16	6.19	7.1
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		SR10A	Surface	1	1	2	16:17	22.3		27.8	6.19	6.22	7.3
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		SR10A	Middle	6.5	2	1	16:17	22.3	8.1	27.9	6.21	6.31	7.4
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		SR10A	Middle	6.5	2	2	16:17	22.4		27.8	6.25	6.34	7.7
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		SR10A	Bottom	11.9	3	1	16:17	22.4		28.1	6.11	5.98	6.7
TMCLKL	HY/2012/08	2014-12-05	Mid-Flood	Cloudy		SR10A	Bottom	11.9	3	2	16:17	22.4	_	28	6.09	5.97	6.8
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		CS4	Surface	1	1	1	10:16	22.4		27.8	6.23	6.64	7.8
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		CS4	Surface	1	1	2	10:16	22.4		27.9	6.18	6.58	7.9
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		CS4	Middle	10.4	2	1	10:16	22.4		27.9	6.27	6.34	7.2
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		CS4	Middle	10.4	2	2	10:16	22.5		28	6.29	6.37	7.1
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		CS4	Bottom	19.8	3	1	10:16	22.5	_	28.1	6.36	6.44	7.6
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		CS4	Bottom	19.8	3	2	10:16	22.6		28.2	6.39	6.49	7.4
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		CS6	Surface	1	1	1	12:36	22.3		28	5.96	6.53	7.8
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		CS6	Surface	1	1	2	12:36	22.3	8.1	28	6	6.46	7.8
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		CS6	Middle	6.2	2	1	12:36	22.3	-	28	6.04	6.64	7.4
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		CS6	Middle	6.2	2	2	12:36	22.3		28.1	6.07	6.59	7.7
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		CS6	Bottom	11.4	3	1	12:36	22.3		28.1	6.12	6.33	/
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		CS6	Bottom	11.4	3	2	12:36	22.4	-	28.1	6.1	6.38	7.2
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		IS12	Surface	11	1	1	10:56	22.4	7.99	27.8	6.04	6.54	7.7
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		IS12	Surface	1	1	2	10:56	22.4	8	27.9	6.01	6.6	7.9
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		IS12	Middle	7.6	2	1	10:56	22.4		27.9	6.07	6.41	7.4
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		IS12	Middle	7.6	2	2	10:56	22.4		28	6.1	6.39	7.6
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		IS12	Bottom	14.2	3	1	10:56	22.5		28	6.16	6.11	
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		IS12	Bottom	14.2	3	2	10:56	22.5		28.1	6.19	6.15	1.1
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		IS13	Surface	1	1	1	11:16	22.3		27.9	6.03	6.39	7.6
TMCLKL	HY/2012/08	2014-12-05	ממש-במט	Cloudy	Small Wave	1013	Surface	11	[]	2	11:16	22.4	8.02	20	5.98	6.44	7.4

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	2014-12-05	Mid-Ebb	Cloudy	Small Wave	IS13	Middle	5.9	2	1	11:16	22.4	8.05	28	6.07	6.3	7.4
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy	Small Wave	IS13	Middle	5.9	2	2	11:16	22.4	8.06	28	6.1	6.35	7.5
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	10.8	3	1	11:16	22.5	8.07	28	6.17	6.49	7.7
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	10.8	3	2	11:16	22.5	8.08	28.1	6.2	6.54	7.9
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy	Small Wave	IS14	Surface	1	1	1	10:36	22.3	7.98	27.9	6.09	6.71	7.5
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		IS14	Surface	1	1	2	10:36	22.4	7.99	27.9	6.12	6.66	7.2
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		IS14	Middle	8.2	2	1	10:36	22.4	8.01	28	6.16	6.43	7.6
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		IS14	Middle	8.2	2	2	10:36	22.4	8.02	28.1	6.19	6.48	7.8
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		IS14	Bottom	15.4	3	1	10:36	22.5	8.03	28.1	6.24	6.32	7.1
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		IS14	Bottom	15.4	3	2	10:36	22.5	8.04	28.2	6.21	6.38	6.9
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		IS15	Surface	1	1	1	11:37	22.3	8.05	27.8	6.07	6.58	7.2
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		IS15	Surface	1	1	2	11:37	22.3	8.06	27.9	6.11	6.64	7.4
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		IS15	Middle	6	2	1	11:37	22.3	8.07	27.9	6.13	6.47	7.6
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		IS15	Middle	6	2	2	11:37	22.4	8.08	27.9	6.16	6.42	7.3
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		IS15	Bottom	12	3	1	11:37	22.4	8.1	28	6.22	6.45	7.4
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy	Small Wave	IS15	Bottom	12	3	2	11:37	22.4	8.11	28.1	6.2	6.53	7.9
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		SR8	Surface	1	1	1	12:16	22.3	8.07	28	5.94	6.63	7.9
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		SR8	Surface	1	1	2	12:16	22.3	8.08	28	5.9	6.56	7.7
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		SR8	Middle		2	1	12:16						
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		SR8	Middle	4.0	2	2	12:16	00.0	0.4	00.4	5.07	0.70	
	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		SR8	Bottom	4.6	3		12:16	22.3	8.1	28.1	5.97	6.72	8
	HY/2012/08 HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		SR8 SR9	Bottom Surface	4.6	3	2	12:16 11:56	22.3 22.3	8.11 8.01	28	5.99 6.14	6.8	8.2
TMCLKL TMCLKL	HY/2012/08	2014-12-05 2014-12-05	Mid-Ebb Mid-Ebb	Cloudy Cloudy		SR9 SR9	Surface	1	1		11:56	22.3		27.9 27.9	6.17	6.49 6.53	7.2
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		SR9	Middle		2	1	11:56	22.4	0.02	21.9	0.17	0.00	1.2
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		SR9	Middle		2	2	11:56						
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		SR9	Bottom	4.5	2	1	11:56	22.4	8.02	27.9	6.25	6.59	7.8
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		SR9	Bottom		3	2	11:56	22.4	8.03		6.28	6.65	7.5
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		SR10A	Surface	1	1	1	13:01	22.3		27.9	6.07	6.27	7.1
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		SR10A	Surface	1	1	2	13:01	22.4	8.1	28	6.1	6.33	7.3
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		SR10A		6.3	2	1	13:01	22.3	-	28	6.14	6.45	7.7
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		SR10A		6.3	2	2	13:01	22.3	8.12		6.17	6.39	7.5
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		SR10A	Bottom	11.6	3	1	13:01	22.4		28.1	6.03	6.08	6.9
TMCLKL	HY/2012/08	2014-12-05	Mid-Ebb	Cloudy		SR10A	Bottom	11.6	3	2	13:01	22.3		28.2	5.99	6.02	7.1
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy		CS4	Surface	1	1	1	20:12	21.2		27.1	6.54	6.23	7.5
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy		CS4	Surface	1	1	2	20:12	21.3	7.7	27.2	6.56	6.27	7.4
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy		CS4	Middle	10.7	2	1	20:12	21.3	7.71	27.3	6.5	6.39	7.1
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	CS4	Middle	10.7	2	2	20:12	21.4		27.4	6.45	6.45	7.3
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	20.4	3	1	20:12	21.5	7.73	27.5	6.63	6.53	7.8
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	20.4	3	2	20:12	21.6	7.74	27.6	6.65	6.61	7.7
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	1	17:31	21.2	7.67	27.1	6.44	5.53	6.4
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	2	17:31	21.2	7.68	27.2	6.41	5.59	6.3
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	CS6	Middle	6.2	2	1	17:31	21.2	7.65	27.2	6.37	5.4	6.6
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy		CS6	Middle	6.2	2	2	17:31	21.3	7.66	27.3	6.35	5.36	6.2
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy		CS6	Bottom	11.4	3	1	17:31	21.4		27.4	6.16	5.69	6.9
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy		CS6	Bottom	11.4	3	2	17:31	21.5		27.5	6.19	5.75	6.7
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy		IS12	Surface	1	1	1	19:34	21.3		27.1	6.67	6.41	7.7
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy		IS12	Surface	1	1	2	19:34	21.3		27.1	6.64	6.48	7.5
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy		IS12		7.7	2	1	19:34	21.3		27.2	6.58	6.62	7.9
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy		IS12	Middle	7.7	2	2	19:34	21.4	7.8	27.2	6.6	6.67	8.1
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy		IS12	Bottom	14.4	3	1	19:34	21.5	-	27.3	6.47	6.81	8.2
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy		IS12	Bottom	14.4	3	2	19:34	21.5		27.4	6.5	6.88	8.4
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy		IS13	Surface	1	1	1	19:15	21.2	_	27.1	6.72	5.94	6.8
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy		IS13	Surface	1	1	2	19:15	21.2		27.2	6.7	6.02	6.4
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy		IS13		6.2	2	1	19:15	21.2		27.2	6.65	6.18	7.2
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy		IS13	Middle	6.2	2	2	19:15	21.3		27.2	6.63	6.24	7.4
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy		IS13		11.4	3	1		21.4		27.3	6.51	6.42	7.6
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	11.4	3	2	19:15	21.4	7.77	27.4	6.48	6.38	7.9

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	2014-12-08	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	1	19:52	21.3	7.8	27.2	6.61	6.29	7.1
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	2	19:52	21.3	7.81	27.2	6.58	6.34	7.3
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	IS14	Middle	8.3	2	1	19:52	21.4	7.81	27.2	6.5	6.51	7.8
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	IS14	Middle	8.3	2	2	19:52	21.4	7.82	27.3	6.47	6.56	7.6
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	15.6	3	1	19:52	21.4	7.79	27.4	6.38	6.67	7.7
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	15.6	3	2	19:52	21.4	7.8	27.5	6.41	6.7	8
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	1	18:56	21.2	7.68	27.2	6.77	6.34	7.4
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	2	18:56	21.2	7.69	27.2	6.74	6.27	7.3
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	IS15	Middle	5.9	2	1	18:56	21.2	7.64	27.2	6.7	6.4	7.8
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	IS15	Middle	5.9	2	2	18:56	21.3	7.65	27.3	6.67	6.35	7.7
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	10.8	3	1	18:56	21.3	7.66	27.4	6.6	6.51	7.1
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	10.8	3	2	18:56	21.4	7.67	27.4	6.56	6.59	7.3
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	1	18:27	21.3	7.8	27.1	6.59	5.83	7.1
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	2	18:27	21.4	7.81	27.1	6.56	5.9	6.8
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	1	18:27						
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	2	18:27						
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.4	3	1	18:27	21.4	7.81	27.1	6.48	6.06	7.2
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.4	3	2	18:27	21.4	7.82	27.2	6.45	6.11	7.3
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	1	18:41	21.2	7.78	27.1	6.63	5.76	6.9
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	2	18:41	21.3	7.79	27.2	6.65	5.81	6.7
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	SR9	Middle		2	1	18:41	-			-		
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	SR9	Middle	4.0	2	2	18:41			07.0			
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	SR9	Bottom	4.8	3	1	18:41	21.3		27.2	6.57	5.97	7.3
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	SR9	Bottom	4.8	3	2	18:41	21.3		27.2	6.55	6.04	7.5
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	1	17:58	21.2		27.2	6.84	6.08	7.1
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	2	17:58	21.3		27.2	6.81	6.01	7.3
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	6.3	2	1	17:58	21.3		27.2	6.63	6.13	7.5
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy		SR10A		6.3	2	2		21.3		27.3	6.59	6.17	7.6
TMCLKL	HY/2012/08	2014-12-08	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	11.6	3		17:58	21.5	7.75		6.46	6.36	7.1
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-12-08	Mid-Flood Mid-Ebb	Cloudy Cloudy		SR10A CS4	Bottom Surface	11.6	3 1	2	17:58 12:19	21.5	7.76 7.63	27.6	6.42 6.61	6.4 6.17	7.5
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy		CS4 CS4	Surface	1	1	2	12:19	21 21.1		27.1	6.63	6.19	7.3
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy		CS4 CS4	Middle	10.6	2	1	12:19	21.1		27.2	6.43	6.32	7.5
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy		CS4	Middle	10.6	2	2	12:19	21.2		27.3	6.45	6.34	7.4
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy		CS4 CS4	Bottom	20.2	2	1	12:19	21.3		27.5	6.33	6.58	7.9
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy		CS4	Bottom	20.2	3	2	12:19	21.4		27.4	6.31	6.6	7.7
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy		CS6	Surface	1	1	1	15:30	21.4		27.4	6.37	5.47	6.4
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy		CS6	Surface	1	1	2	15:30	21.1		27.1	6.35	5.49	6.1
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	CS6	1	6.1	2	1	15:30	21.2		27.2	6.28	5.63	6.7
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy		CS6		6.1	2	2	15:30	21.3		27.3	6.3	5.65	6.5
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy		CS6	Bottom	11.1	3	1	15:30	21.3		27.4	6.09	5.89	6.8
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy		CS6	Bottom	11.1	3	2	15:30	21.5		27.4	6.11	5.91	7.1
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy		IS12	Surface	1	1	1	13:02	21.0		27	6.58	6.75	7.9
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy		IS12	Surface	1	1	2	13:02	21.1	7.78		6.6	6.73	8.2
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy		IS12		7.6	2	1	13:02	21.2	-	27.1	6.41	6.99	8.2
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy		IS12	Middle	7.6	2	2	13:02	21.3		27.2	6.43	7.01	8.3
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	IS12	Bottom	14.2	3	1	13:02	21.4	-	27.3	6.33	7.08	8.4
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy		IS12	Bottom	14.2	3	2	13:02	21.4		27.4	6.35	7.1	8.7
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy		IS13	Surface	1	1	1	13:23	21		27	6.68	5.83	6.7
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy		IS13	Surface	1	1	2	13:23	21.1	-	27.1	6.7	5.85	6.5
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy		IS13	1	6.1	2	1	13:23	21.2		27.2	6.62	6.11	7.4
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy		IS13		6.1	2	2	13:23	21.2	-	27.3	6.6	6.13	7.1
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy		IS13	Bottom	11.1	3	1	13:23	21.3		27.4	6.43	6.24	7.5
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy		IS13	Bottom	11.1	3	2	13:23	21.4		27.4	6.45	6.22	7.7
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy		IS14	Surface	1	1	1	12:40	21.1		27.1	6.47	6.23	7
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy		IS14	Surface	1	1	2	12:40	21.2		27.2	6.5	6.25	7.3
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy		IS14		8.2	2	1	12:40	21.3		27.3	6.33	6.31	7.8
	HY/2012/08			Cloudy	Small Wave		Middle		2	2	12:40		7.68		6.35	6.39	7.4
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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	2014-12-08	Mid-Ebb	Cloudy	Small Wave	IS14	Bottom	15.3	3	1	12:40	21.4	7.74	27.4	6.26	6.44	8
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	IS14	Bottom	15.3	3	2	12:40	21.5	7.76	27.5	6.24	6.43	7.8
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	IS15	Surface	1	1	1	13:44	21	7.66	27.1	6.81	6.43	7.1
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	IS15	Surface	1	1	2	13:44	21.1	7.68	27.2	6.83	6.41	7.5
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	IS15	Middle	5.8	2	1	13:44	21.2	7.74	27.3	6.7	6.55	7.7
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	IS15	Middle	5.8	2	2	13:44	21.3		27.3	6.68	6.57	7.6
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	IS15	Bottom	10.6	3	1	13:44	21.4	7.81	27.4	6.52	6.68	7.9
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	IS15	Bottom	10.6	3	2	13:44	21.5	7.83	27.5	6.54	6.7	8.1
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	SR8	Surface	1	1	1	14:20	21.3	7.83	27	6.54	5.94	7
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	SR8	Surface	1	1	2	14:20	21.2	7.81	27	6.52	5.96	6.9
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	SR8	Middle		2	1	14:20						
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	SR8	Middle		2	2	14:20						
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	SR8	Bottom	4.2	3	1	14:20	21.4	7.69	27.1	6.31	6.11	7.2
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	SR8	Bottom	4.2	3	2	14:20	21.4	7.71	27.2	6.29	6.13	7.3
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	SR9	Surface	1	1	1	14:05	21.1	7.76	27	6.59	5.92	6.8
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	SR9	Surface	1	1	2	14:05	21.2	7.78	27.1	6.61	5.94	6.5
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	SR9	Middle		2	1	14:05						
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	SR9	Middle		2	2	14:05						
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	SR9	Bottom	4.8	3	1	14:05	21.3	7.65	27.2	6.43	6.04	7.1
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	SR9	Bottom	4.8	3	2	14:05	21.4	7.63	27.3	6.45	6.06	7.3
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	SR10A	Surface	1	1	1	14:50	21.2		27.1	6.75	6.11	7.2
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	SR10A	Surface	1	1	2	14:50	21.2	7.76	27.1	6.77	6.13	7.5
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	6.1	2	1	14:50	21.3	7.83	27.2	6.45	6.26	7.4
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	6.1	2	2	14:50	21.3		27.3	6.47	6.28	7.6
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	SR10A	Bottom	11.2	3	1	14:50	21.4		27.4	6.38	6.55	7.9
TMCLKL	HY/2012/08	2014-12-08	Mid-Ebb	Cloudy	Small Wave	1	Bottom	11.2	3	2	14:50	21.5	7.65	27.5	6.4	6.57	7.7
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy	Small Wave	CS4	Surface	1	1	1	11:40	20.2	_	27.2	6.56	5.97	6.8
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy		CS4	Surface	1	1	2	11:40	20.3	7.65		6.58	6.03	6.7
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy		CS4	Middle	10.9	2	1	11:40	20.4		27.3	6.44	6.16	7.2
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy		CS4	Middle	10.9	2	2	11:40	20.3		27.4	6.47	6.1	7.5
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy		CS4	Bottom	20.7	3	1	11:40	20.4	_	27.5	6.46	6.14	7
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy		CS4	Bottom	20.7	3	2	11:40	20.4		27.5	6.49	6.18	7.3
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy		CS6	Surface	1	1	1	08:24	20.3	7.7	27.2	6.62	5.44	6.6
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy		CS6	Surface	1	1	2	08:24	20.4	7.69	27.3	6.59	5.46	6.7
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy	Small Wave	CS6	Middle	5.7	2	1	08:24	20.4		27.4	6.38	5.55	6.4
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy	Small Wave	CS6	Middle	5.7	2	2	08:24	20.4		27.5	6.35	5.53	6.3
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy	Small Wave	CS6	Bottom	11.4	3	1	08:24	20.5		27.4	6.14	5.6	6.8
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy		CS6	Bottom	11.4	3	2	08:24	20.4		27.4	6.16	5.66	6.5
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy		IS12	Surface	1	1	1	10:54	20.3		27.1	6.56	5.83	7.1
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy		IS12	Surface	1	1	2	10:54	20.3	-	27.2	6.59	5.87	7.3
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy		IS12	Middle	7.9	2	1	10:54	20.4		27.2	6.49	6.21	7.2
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy		IS12	Middle	7.9	2	2	10:54	20.3		27.3	6.45	6.24	7.4
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	14.7	3	1	10:54	20.4		27.4	6.37	6.17	7
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy		IS12	Bottom	14.7	3	2	10:54	20.5		27.4	6.32	6.15	6.8
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy		IS13	Surface	1	1	1	10:31	20.3	7.7	27.1	6.56	5.66	6.8
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy		IS13	Surface	1	1	2	10:31	20.4		27.2	6.59	5.68	6.5
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy	Small Wave	IS13	Middle	6.2	2	1	10:31	20.3		27.3	6.57	5.79	6.8
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy		IS13	Middle	6.2	2	2	10:31	20.2		27.3	6.55	5.85	6.5
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy		IS13	Bottom	11.4	3	1	10:31	20.4		27.3	6.47	5.89	6.9
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy		IS13	Bottom	11.4	3	2	10:31	20.5		27.4	6.44	5.9	7.1
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy		IS14	Surface	1	1	1	11:17	20.2	7.7	27.2	6.48	6.03	7.1
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy		IS14	Surface	1	1	2	11:17	20.3	_	27.2	6.44	6.07	7
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy		IS14	Middle	8.3	2	1	11:17	20.3		27.3	6.47	6.12	7.2
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy		IS14	Middle	8.3	2	2	11:17	20.3		27.4	6.44	6.11	7.3
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy		IS14	Bottom	15.6	3	1	11:17	20.4		27.4	6.35	6.03	6.8
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy		IS14	Bottom	15.6	3	2	11:17	20.5		27.5	6.31	6.05	7.1
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy		IS15	Surface	1	1	1	10:08	20.3	-	27.1	6.62	5.78	6.9
TMCLKL	HY/2012/08	2014-12-10		Cloudy	Small Wave		Surface	1	1	2	10:08		7.62		6.65	5.79	6.5
		1-0111210	1			1.0.10		ļ.	i.	1-	1.0.00	1-011	1.102	1	10:00	10.1.0	0.0

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	2014-12-10	Mid-Flood	Cloudy	Small Wave	IS15	Middle	6	2	1	10:08	20.4	7.68	27.2	6.64	5.83	7
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy	Small Wave	IS15	Middle	6	2	2	10:08	20.2	7.71	27.3	6.67	5.86	7.1
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	10.9	3	1	10:08	20.4	7.75	27.3	6.56	5.89	6.8
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	10.9	3	2	10:08	20.5	7.79	27.2	6.52	5.94	7.1
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	1	09:24	20.3	7.71	27.1	6.61	5.76	6.4
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	2	09:24	20.4	7.7	27.3	6.58	5.79	6.7
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	1	09:24						_
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	2	09:24						
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.5	3	1	09:24	20.4	-	27.1	6.29	5.97	7
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.5	3	2	09:24	20.5	7.74	27	6.26	6.03	6.8
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	1	09:44	20.3	7.8	27.1	6.52	5.76	6.4
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	2	09:44	20.3	7.82	27.2	6.55	5.71	6.7
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy	Small Wave	SR9	Middle		2	1	09:44						
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy	Small Wave	SR9	Middle		2	2	09:44		7.00	07.0	0.05		
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy	Small Wave	SR9	Bottom	5.1	3	1	09:44	20.3	_	27.2	6.35	5.75	6.6
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy	Small Wave	SR9	Bottom	5.1	3	2	09:44	20.4	_	27.3	6.39	5.77	6.7
	HY/2012/08	2014-12-10	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1		08:54	20.3		27.2	6.71 6.74	5.57	6.2
TMCLKL TMCLKL	HY/2012/08	2014-12-10 2014-12-10	Mid-Flood Mid-Flood	Cloudy Cloudy	Small Wave	SR10A SR10A	Surface Middle	50	2	2	08:54 08:54	20.3	-	27.2	6.46	5.6 5.77	6.3
TMCLKL	HY/2012/08 HY/2012/08	2014-12-10	Mid-Flood	Cloudy	Small Wave Small Wave	SR10A	Middle	5.8 5.8	2	2	08:54	20.3 20.4		27.3 27.4	6.45	5.81	6.9
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	11.5	2	2	08:54	20.4	-	27.4	6.51	5.95	7.5
TMCLKL	HY/2012/08	2014-12-10	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	11.5	3	2	08:54	20.4	7.7	27.4	6.49	5.99	7.1
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	CS4	Surface	1	1	1	13:33	20.4	7.7	27.4	6.48	6.08	7.1
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	CS4	Surface	1	1	2	13:33	20.3	7.66	27.3	6.52	6.11	7.3
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	CS4	Middle	10.7	2	1	13:33	20.4		27.5	6.31	6.24	7.4
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	CS4	Middle	10.7	2	2	13:33	20.4	7.76	27.5	6.36	6.19	7.6
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	CS4	Bottom	20.3	3	1	13:33	20.5		27.6	6.38	6.28	7.5
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy		CS4		20.3	3	2	13:33	20.5		27.5	6.4	6.25	7.7
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	CS6	Surface	1	1	1	16:00	20.4		27.4	6.54	5.51	6.4
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy		CS6	Surface	1	1	2	16:00	20.5		27.5	6.5	5.54	6.5
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	CS6	Middle	6	2	1	16:00	20.6	-	27.6	6.3	5.61	6.7
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy		CS6	Middle	6	2	2	16:00	20.5	-	27.5	6.26	5.6	6.4
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy		CS6	Bottom	11	3	1	16:00	20.5	_	27.4	6.05	5.68	6.9
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy		CS6	Bottom	11	3	2	16:00	20.5	-	27.5	6.04	5.74	6.5
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	IS12	Surface	1	1	1	14:09	20.5	7.78	27.3	6.48	5.94	7.2
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	IS12	Surface	1	1	2	14:09	20.4	7.81	27.4	6.52	5.99	7.4
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	IS12	Middle	7.7	2	1	14:09	20.4	7.74	27.3	6.4	6.34	7.5
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	IS12	Middle	7.7	2	2	14:09	20.5	7.76	27.4	6.36	6.28	7.7
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	IS12	Bottom	14.3	3	1	14:09	20.4	7.68	27.5	6.3	6.24	7.1
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	IS12	Bottom	14.3	3	2	14:09	20.4	7.65	27.4	6.26	6.28	7.3
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	IS13	Surface	1	1	1	14:27	20.5	7.72	27.3	6.48	5.74	6.8
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy		IS13	Surface	1	1	2	14:27	20.4		27.3	6.52	5.77	6.5
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	IS13	Middle	6	2	1	14:27	20.4	7.74	27.3	6.48	5.88	6.8
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy		IS13	Middle	6	2	2	14:27	20.4	-	27.4	6.43	5.92	7.1
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy		IS13	Bottom	11	3	1	14:27	20.6	-	27.5	6.33	5.98	7.2
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy		IS13	Bottom	11	3	2	14:27	20.6	_	27.4	6.36	5.96	7.3
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy		IS14	Surface	1	1	1	13:51	20.4	-	27.4	6.39	6.11	7
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy		IS14	Surface	1	1	2	13:51	20.4		27.3	6.35	6.14	7.3
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy		IS14	Middle	8.1	2	1	13:51	20.5	-	27.5	6.33	6.22	7.2
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy		IS14	Middle	8.1	2	2	13:51	20.4	-	27.4	6.36	6.14	7.5
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy		IS14	Bottom	15.2	3	1	13:51	20.4	-	27.5	6.22	6.1	7.1
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy		IS14	Bottom	15.2	3	2	13:51	20.5	7.7	27.6	6.25	6.14	7.3
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy		IS15	Surface	1	1	1	14:44	20.5	7.6	27.3	6.54	5.89	6.8
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy		IS15	Surface	1	1	2	14:44	20.4		27.2	6.5	5.87	7.1
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy		IS15	Middle	5.8	2	1	14:44	20.4	7.7	27.3	6.56	5.94	7.3
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy		IS15	Middle	5.8	2	2	14:44	20.4		27.4	6.6	5.97	7.5
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy		IS15	Bottom	10.5	3	1	14:44	20.5		27.3	6.48	5.99	7.3
TMCLKL	HY/2012/08	2014-12-10	ממ⊐-במט	Cloudy	Small Wave	1015	Bottom	10.5	3	2	14:44	20.5	7.81	27.4	6.54	6.03	7.2

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	2014-12-10	Mid-Ebb	Cloudy	Small Wave	SR8	Surface	1	1	1	15:22	20.5	7.74	27.4	6.5	5.82	7
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	SR8	Surface	1	1	2	15:22	20.4	7.7	27.3	6.42	5.78	6.8
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	SR8	Middle		2	1	15:22						
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	SR8	Middle		2	2	15:22						
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	SR8	Bottom	4.1	3	1	15:22	20.5	7.75	27.3	6.2	6.04	7.2
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	SR8	Bottom	4.1	3	2	15:22	20.4	7.78	27.2	6.14	6.12	7.4
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	SR9	Surface	1	1	1	15:01	20.5	7.82	27.3	6.44	5.84	6.7
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	SR9	Surface	1	1	2	15:01	20.4	7.85	27.3	6.48	5.78	6.5
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	SR9	Middle		2	1	15:01						
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	SR9	Middle		2	2	15:01						
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	SR9	Bottom	4.7	3	1	15:01	20.4		27.4	6.27	5.89	6.8
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	SR9	Bottom	4.7	3	2	15:01	20.4		27.4	6.2	5.84	7.3
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	SR10A	Surface	1	1	1	15:40	20.5	7.76	27.3	6.64	5.66	6.6
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	SR10A	Surface	1	1	2	15:40	20.4	7.78	27.4	6.66	5.69	6.8
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	6.1	2	1	15:40	20.4	7.82	27.5	6.38	5.84	6.8
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	6.1	2	2	15:40	20.5		27.4	6.32	5.9	6.7
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	SR10A	Bottom	11.1	3	1	15:40	20.4		27.4	6.44	6.04	7.2
TMCLKL	HY/2012/08	2014-12-10	Mid-Ebb	Cloudy	Small Wave	SR10A	Bottom	11.1	3	2	15:40	20.4		27.4	6.39	6.08	7.1
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	CS4	Surface	1	1	1	12:55	20.3	7.74	27.3	6.62	2.88	3.5
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	CS4	Surface	1	1	2	12:55	20.4	7.71	27.4	6.64	2.94	3.6
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	CS4	Middle	11	2	1	12:55	20.6	7.78	27.4	6.5	3.07	4.1
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	CS4	Middle	11	2	2	12:55	20.5	7.81	27.5	6.53	3.01	4.3
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	21.4	3	1	12:55	20.6	7.76	27.6	6.52	4.05	5.2
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	21.4	3	2	12:55	20.5	7.77	27.5	6.55	4.09	5.3
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	1	09:43	20.4	7.76	27.3	6.68	3.35	4.2
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	2	09:43	20.3	7.75	27.4	6.65	3.37	4.5
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	CS6	Middle	6.4	2	1	09:43	20.5	7.67	27.5	6.44	4.46	5.5
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	CS6	Middle	6.4	2	2	09:43	20.6	7.71	27.4	6.41	4.44	5.8
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	CS6	Bottom	11.8	3	1	09:43	20.6	7.77	27.5	6.2	5.51	6.7
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	CS6	Bottom	11.8	3	2	09:43	20.5	7.8	27.6	6.22	5.57	6.5
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	IS12	Surface	1	1	1	12:07	20.3	7.81	27.3	6.62	2.74	3.6
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	IS12	Surface	1	1	2	12:07	20.4	7.84	27.2	6.65	2.73	3.5
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	IS12	Middle	7.9	2	1	12:07	20.5	7.78	27.3	6.55	3.12	4.4
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	IS12	Middle	7.9	2	2	12:07	20.5	7.8	27.2	6.51	3.15	4.6
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	14.8	3	1	12:07	20.5	7.71	27.4	6.43	4.08	5.1
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	14.8	3	2	12:07	20.6	7.7	27.5	6.38	4.06	5.4
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	1	11:43	20.4	7.76	27.2	6.62	2.57	3.6
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	2	11:43	20.3	7.77	27.3	6.65	2.59	3.7
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	IS13	Middle	6.6	2	1	11:43	20.5	7.77	27.4	6.63	2.7	4
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	IS13	Middle	6.6	2	2	11:43	20.4	7.79	27.3	6.61	2.76	3.8
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	12.2	3	1	11:43	20.5	7.67	27.4	6.53	3.8	4.8
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	12.2	3	2	11:43	20.6	7.72	27.5	6.5	3.81	4.5
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	1	12:31	20.2	7.76	27.2	6.54	2.94	3.8
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	2	12:31	20.4	7.8	27.3	6.5	2.98	4.1
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	IS14	Middle	8.6	2	1	12:31	20.4	7.74	27.3	6.53	3.03	4.4
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	IS14	Middle	8.6	2	2	12:31	20.3	7.73	27.4	6.5	3.02	4.3
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	16.2	3	1	12:31	20.4	7.77	27.5	6.41	3.98	4.8
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	16.2	3	2	12:31	20.5	7.79	27.6	6.37	3.96	5
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	1	11:19	20.5	7.64	27.1	6.68	2.69	3.8
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	2	11:19	20.4	7.68	27.2	6.71	2.7	3.9
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	IS15	Middle	6.2	2	1	11:19	20.5	7.74	27.3	6.7	3.74	4.6
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	IS15	Middle	6.2	2	2	11:19	20.5	7.77	27.2	6.73	3.77	4.7
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy		IS15	Bottom	11.4	3	1	11:19	20.6		27.4	6.62	4.8	5.9
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy		IS15	Bottom	11.4	3	2	11:19	20.5	-	27.3	6.58	4.85	5.5
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy		SR8	Surface	1	1	1	10:31	20.4		27.2	6.67	2.67	3.8
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy		SR8	Surface	1	1	2	10:31	20.5		27.3	6.64	2.7	3.5
	HY/2012/08	2014-12-12	Mid-Flood	Cloudy		SR8	Middle		2	1	10:31		1				
TMCLKL							1.1.1.0.0.10			11	110.01						

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	2014-12-12	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.6	3	1	10:31	20.6	7.78	27.3	6.35	3.88	4.8
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy		SR8	Bottom	4.6	3	2	10:31	20.6	7.8	27.4	6.32	3.94	5
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy		SR9	Surface	1	1	1	10:55	20.4	7.86	27.2	6.58	2.67	3.7
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy		SR9	Surface	1	1	2	10:55	20.3	7.88	27.3	6.61	2.62	3.5
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy		SR9	Middle		2	1	10:55						
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy		SR9	Middle		2	2	10:55						
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy		SR9	Bottom	4.2	3	1	10:55	20.4		27.4	6.41	3.66	4.8
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy		SR9	Bottom	4.2	3	2	10:55	20.5		27.3	6.45	3.71	4.5
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	1	10:07	20.3	_	27.2	6.77	2.48	3.6
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	2	10:07	20.4		27.3	6.8	2.51	3.8
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	6.2	2	1	10:07	20.4	-	27.4	6.52	3.68	4.8
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	6.2	2	2	10:07	20.4	-	27.3	6.51	3.72	4.5
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	11.4	3	1	10:07	20.5		27.4	6.57	3.86	5
TMCLKL	HY/2012/08	2014-12-12	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	11.4	3	2	10:07	20.4	-	27.5	6.55	3.9	4.8
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy		CS4	Surface	1	1	1	14:55	20.3		27.3	6.56	2.88	3.9
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy		CS4	Surface	1	1	2	14:55	20.4		27.3	6.54	2.94	4.1
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy		CS4	Middle	10.7	2	1	14:55	20.4		27.5	6.5	3.06	4.1
TMCLKL	HY/2012/08	2014-12-12 2014-12-12	Mid-Ebb	Cloudy Cloudy		CS4 CS4	Middle	10.7 20.4	2	2	14:55	20.4 20.3		27.4	6.47 6.42	3.03	4.3
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-12-12	Mid-Ebb Mid-Ebb	Cloudy		CS4 CS4	Bottom Bottom	20.4	ა ი	1	14:55 14:55	20.3	-	27.6 27.6	6.45	3.92	4.8
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy	Small Wave	CS4 CS6	Surface	20.4	3 1	2	17:18	20.4		27.3		3.52	4.7
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy		CS6	Surface	1	1	2	17:18	20.3	-	27.3	6.58 6.54	3.47	4.6
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy	Small Wave	CS6	Middle	6.2	2	1	17:18	20.3		27.4	6.46	4.26	5.4
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy		CS6	Middle	6.2	2	2	17:18	20.3		27.4	6.42	4.32	5.3
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy	Small Wave	CS6	Bottom	11.4	2	1	17:18	20.4		27.5	6.26	5.42	6.8
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy	Small Wave	CS6	Bottom	11.4	3	2	17:18	20.4		27.6	6.3	5.44	6.5
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy		IS12	Surface	1	3	1	15:36	20.3		27.2	6.48	2.84	3.6
TMCLKL	HY/2012/08		Mid-Ebb	Cloudy		IS12	Surface	1	1	2	15:36	20.4		27.2	6.5	2.86	3.4
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy		IS12	Middle	7.7	2	1	15:36	20.5	-	27.3	6.44	3.04	4.1
TMCLKL	HY/2012/08		Mid-Ebb	Cloudy		IS12	Middle	7.7	2	2	15:36	20.4	-	27.4	6.4	3.08	4.3
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy		IS12	Bottom	14.4	3	1	15:36	20.6	-	27.4	6.38	4	5
TMCLKL	HY/2012/08		Mid-Ebb	Cloudy		IS12	Bottom	14.4	3	2	15:36	20.6		27.5	6.4	3.96	4.8
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy		IS13	Surface	1	1	1	15:56	20.5		27.3	6.56	2.48	3.8
TMCLKL	HY/2012/08		Mid-Ebb	Cloudy		IS13	Surface	1	1	2	15:56	20.5		27.3	6.6	2.46	3.6
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy		IS13	Middle	6.4	2	1	15:56	20.5		27.3	6.47	2.84	4.7
TMCLKL	HY/2012/08		Mid-Ebb	Cloudy		IS13	Middle	6.4	2	2	15:56	20.5		27.4	6.47	2.8	4.5
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy		IS13	Bottom	11.8	3	1	15:56	20.6		27.6	6.42	3.74	5.9
TMCLKL	HY/2012/08		Mid-Ebb	Cloudy		IS13	Bottom	11.8	3	2	15:56	20.6		27.6	6.38	3.7	5.6
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy		IS14	Surface	1	1	1	15:15	20.2		27.2	6.5	2.98	4.1
TMCLKL	HY/2012/08		Mid-Ebb	Cloudy		IS14	Surface	1	1	2	15:15	20.3		27.2	6.52	3.02	4
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy	Small Wave	IS14	Middle	8.3	2	1	15:15	20.3	7.77	27.4	6.37	3.14	4.2
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy	Small Wave	IS14	Middle	8.3	2	2	15:15	20.3	7.78	27.4	6.4	3.06	4
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy		IS14	Bottom	15.6	3	1	15:15	20.3		27.4	6.32	3.86	4.9
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy	Small Wave	IS14	Bottom	15.6	3	2	15:15	20.3	7.78	27.5	6.3	3.9	5.1
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy	Small Wave	IS15	Surface	1	1	1	16:18	20.3		27.3	6.54	2.74	3.6
TMCLKL	HY/2012/08		Mid-Ebb	Cloudy	Small Wave	IS15	Surface	1	1	2	16:18	20.4	7.78	27.2	6.58	2.72	3.8
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy	Small Wave	IS15	Middle	6.1	2	1	16:18	20.4	7.78	27.4	6.52	3.64	4.9
TMCLKL	HY/2012/08		Mid-Ebb	Cloudy		IS15	Middle	6.1	2	2	16:18	20.5		27.4	6.5	3.6	4.6
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy		IS15	Bottom	11.2	3	1	16:18	20.6		27.5	6.47	4.65	5.7
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy		IS15	Bottom	11.2	3	2	16:18	20.6		27.6	6.49	4.6	5.5
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy		SR8	Surface	1	1	1	16:48	20.4	-	27.3	6.58	2.74	3.8
TMCLKL	HY/2012/08		Mid-Ebb	Cloudy		SR8	Surface	1	1	2	16:48	20.4	7.76	27.3	6.6	2.78	3.5
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy		SR8	Middle		2	1	16:48	1	ļ		ļ		
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy		SR8	Middle		2	2	16:48		 				
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy		SR8	1	4.4	3	1	16:48	20.5		27.4	6.42	3.8	4.9
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy		SR8		4.4	3	2	16:48	20.5		27.5	6.44	3.86	5.1
TMCLKL	HY/2012/08		Mid-Ebb	Cloudy			Surface		1	1	16:38	20.4	7.78		6.48	2.58	3.6
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy	Small Wave	ISR9	Surface	1	1	2	16:38	20.4	7.79	27.3	6.5	2.62	3.9

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	2014-12-12	Mid-Ebb	Cloudy	Small Wave	SR9	Middle		2	1	16:38	+	+	+			
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy	Small Wave	SR9	Middle		2	2	16:38		1				
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy	Small Wave	SR9	Bottom	4	3	1	16:38	20.5	7.77	27.4	6.37	3.8	4.9
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy	Small Wave	SR9	Bottom	4	3	2	16:38	20.6	_	27.4	6.4	3.76	4.5
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy	Small Wave	SR10A	Surface	1	1	1	17:00	20.3		27.2	6.62	2.56	3.6
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy	Small Wave	SR10A	Surface	1	1	2	17:00	20.3		27.3	6.66	2.58	3.7
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	6.1	2	1	17:00	20.4	7.75	27.3	6.44	3.45	4.2
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	6.1	2	2	17:00	20.4	7.76	27.4	6.4	3.5	4.5
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy	Small Wave	SR10A	Bottom	11.2	3	1	17:00	20.4	7.78	27.5	6.37	3.74	4.8
TMCLKL	HY/2012/08	2014-12-12	Mid-Ebb	Cloudy	Small Wave	SR10A	Bottom	11.2	3	2	17:00	20.4	7.78	27.5	6.4	3.8	5
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	CS4	Surface	1	1	1	15:00	20.2	7.8	29.5	6.65	5.11	6.1
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	CS4	Surface	1	1	2	15:00	20.2	7.8	29.5	6.68	5.16	6.5
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	CS4	Middle	11.4	2	1	15:00	20.3	7.79	29.6	6.4	5.44	6.9
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	CS4	Middle	11.4	2	2	15:00	20.4	7.8	29.6	6.44	5.49	6.5
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	21.8	3	1	15:00	20.4	7.81	29.7	6.22	5.69	6.4
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	21.8	3	2	15:00	20.3	7.8	29.6	6.18	5.65	6.6
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	1	12:00	20.1	7.76	29.4	6.49	4.72	5.8
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	2	12:00	20.1	7.77	29.4	6.47	4.75	5.4
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	CS6	Middle	6.6	2	1	12:00	20.2	7.77	29.5	6.41	5.39	6.6
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	CS6	Middle	6.6	2	2	12:00	20.2	7.77	29.5	6.44	5.31	6.3
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	CS6	Bottom	12.2	3	1	12:00	20.2	7.78	29.5	6.38	5.57	6.7
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	CS6	Bottom	12.2	3	2	12:00	20.1	7.77	29.5	6.42	5.5	6.5
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	IS12	Surface	1	1	1	14:21	20.2	7.8	29.5	6.72	5.02	6.1
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	IS12	Surface	1	1	2	14:21	20.2	7.81	29.5	6.68	5.06	6.5
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	IS12	Middle	8.1	2	1	14:21	20.3	7.81	29.6	6.39	5.87	6.9
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	IS12	Middle	8.1	2	2	14:21	20.4	7.82	29.6	6.43	5.81	6.5
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	15.2	3	1	14:21	20.4		29.7	6.31	5.64	6.4
TMCLKL	HY/2012/08		Mid-Flood	Cloudy	Small Wave	IS12	Bottom	15.2	3	2	14:21	20.4	7.81	29.6	6.27	5.6	6.6
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	1	13:38	20.2	7.79	29.5	6.5	4.92	5.8
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	2	13:38	20.2	7.79	29.5	6.45	4.86	5.4
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	IS13	Middle	6.9	2	1	13:38	20.3		29.6	6.39	5.12	6.2
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	IS13	Middle	6.9	2	2	13:38	20.2	7.8	29.6	6.35	5.16	6.5
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	12.8	3	1	13:38	20.3	7.79	29.6	6.31	5.57	6.6
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	12.8	3	2	13:38	20.3	7.8	29.5	6.34	5.61	6.7
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	1	14:39	20.2	7.79	29.5	6.69	4.95	6.1
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	2	14:39	20.1	7.8	29.4	6.65	4.91	5.8
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	IS14	Middle	8.7	2	1	14:39	20.4	7.8	29.5	6.27	5.54	6.6
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	IS14	Middle	8.7	2	2	14:39	20.3	7.81	29.6	6.24	5.5	6.7
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	16.4	3	1	14:39	20.4		29.7	6.17	5.95	7
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	16.4	3	2	14:39	20.4		29.7	6.19	5.9	7.2
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy		IS15	Surface	1	1	1	13:20	20.1		29.4	6.58	4.83	6
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy		IS15	Surface	1	1	2	13:20	20.2		29.5	6.55	4.8	6.1
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy		IS15	Middle	6.4	2	1	13:20	20.2	_	29.5	6.32	5.29	6.2
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy		IS15	Middle	6.4	2	2	13:20	20.3	_	29.4	6.29	5.25	6.5
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy		IS15	Bottom	11.8	3	1	13:20	20.3		29.6	6.26	5.44	6.6
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	11.8	3	2	13:20	20.4		29.5	6.2	5.49	6.5
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy		SR8	Surface	1	1	1	12:50	20.1		29.4	6.62	4.86	5.9
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy		SR8	Surface	1	1	2	12:50	20.1	-	29.4	6.57	4.8	5.5
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy		SR8	Middle		2	1	12:50						
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy		SR8	Middle		2	2	12:50						
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy		SR8	Bottom	4.8	3	1	12:50	20.1	7.78	29.5	6.41	5.01	6.2
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy		SR8	Bottom	4.8	3	2	12:50	20.1	-	29.5	6.37	5.07	6.4
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy		SR9	Surface	1	1	1	13:05	20.1		29.4	6.62	4.77	5.4
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy		SR9	Surface	1	1	2	13:05	20	-	29.3	6.65	4.72	5.6
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy		SR9	Middle		2	1	13:05	1		1			1
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy		SR9	Middle		2	2	13:05	1	<u> </u>	1	1		1
				,		SR9	Bottom	1 1	2	1		20.4	7.79	20.5	6.41	55	6.6
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	1383	DOLLOIN	14.4	3	11	113.05	120.7	11.19	29.5	10.41	5.5	0.0

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	2014-12-15	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	1	12:25	20.1	7.78	29.4	6.58	5.04	6
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	2	12:25	20.1	7.78	29.3	6.54	5.08	6.2
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	6.8	2	1	12:25	20.1	7.78	29.5	6.39	5.17	6.4
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	6.8	2	2	12:25	20.2	7.79	29.5	6.35	5.23	6.4
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	12.6	3	1	12:25	20.2	7.79	29.6	6.3	5.33	6.6
TMCLKL	HY/2012/08	2014-12-15	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	12.6	3	2	12:25	20.2	7.79	29.6	6.27	5.3	6.5
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy	Small Wave	CS4	Surface	1	1	1	18:30	20.3	7.85	29.4	6.65	3.88	4.8
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy	Small Wave	CS4	Surface	1	1	2	18:30	20.2	7.88	29.3	6.69	3.91	5.1
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		CS4	Middle	10.9	2	1	18:30	20.3	7.74	29.4	6.74	4.21	5.4
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		CS4	Middle	10.9	2	2	18:30	20.4	7.73	29.4	6.7	4.25	5.3
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		CS4	Bottom	20.7	3	1	18:30	20.5	7.8	29.5	6.32	4.99	6.1
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		CS4	Bottom	20.7	3	2	18:30	20.4	7.79	29.5	6.38	5.01	6.3
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy	Small Wave	CS6	Surface	1	1	1	21:18	20.1	7.73	29.4	6.72	4.24	5.4
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		CS6	Surface	1	1	2	21:18	20.1	7.72	29.4	6.7	4.3	5.6
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy	Small Wave	CS6	Middle	6.1	2	1	21:18	20.2	7.8	29.5	6.52	4.51	6.6
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy	Small Wave	CS6	Middle	6.1	2	2	21:18	20.3	7.81	29.5	6.55	4.56	6.5
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy	Small Wave	CS6	Bottom	11.1	3	1	21:18	20.4		29.6	6.31	5.02	6.4
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy	Small Wave	CS6	Bottom	11.1	3	2	21:18	20.3	7.75	29.6	6.34	5.07	6.3
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		IS12	Surface	1	1	1	19:05	20.3		29.4	6.57	3.27	4.2
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		IS12	Surface	1	1	2	19:05	20.2	7.8	29.3	6.61	3.3	4.5
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		IS12	Middle	7.9	2	1	19:05	20.4	-	29.4	6.42	4.01	5.1
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		IS12	Middle	7.9	2	2	19:05	20.4	7.79	29.5	6.4	4.05	5.3
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		IS12	Bottom	14.8	3	1	19:05	20.5		29.6	6.37	4.27	5.4
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		IS12	Bottom	14.8	3	2	19:05	20.6	7.74	29.6	6.35	4.33	5.6
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		IS13	Surface	1	1	1	19:48	20.2	-	29.3	6.6	4.05	5.1
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy	Small Wave	IS13	Surface	1	1	2	19:48	20.2	7.77	29.4	6.66	4.07	5.3
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		IS13	Middle	6.3	2	1	19:48	20.3	7.8	29.4	6.45	4.12	5.1
TMCLKL	HY/2012/08		Mid-Ebb	Cloudy		IS13	Middle	6.3	2	2	19:48	20.4		29.5	6.48	4.15	5.2
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	11.5	3	1	19:48	20.4		29.5	6.33	5.01	6.2
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		IS13	Bottom	11.5	3	2	19:48	20.4		29.6	6.37	5.06	6.4
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		IS14	Surface	1	1	1	18:47	20.2	_	29.3	6.73	4.22	5.4
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		IS14	Surface	1	1	2	18:47	20.2	1	29.3	6.71	4.24	5.1
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		IS14	Middle	8	2	1	18:47	20.4		29.5	6.59	3.95	4.9
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		IS14	Middle	8	2	2	18:47	20.5	7.8	29.5	6.62	3.96	5.1
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		IS14	Bottom	15	3	1	18:47	20.5		29.6	6.21	5.04	6
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		IS14	Bottom	15	3	2	18:47	20.5		29.5	6.27	5.06	6.2
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		IS15	Surface	1	1	1	20:05	20.2		29.4	6.61	4	5.1
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		IS15	Surface	1	1	2	20:05	20.3	-	29.5	6.64	4.05	5.3
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		IS15	Middle	6.3	2	1	20:05	20.4		29.5	6.47	4.28	5.4
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		IS15	Middle	6.3	2	2	20:05	20.3		29.5	6.5	4.3	5.6
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		IS15	Bottom	11.6	3	1	20:05	20.5		29.6	6.27	5.02	6.2
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		IS15	Bottom	11.6	3	2	20:05	20.4		29.5	6.31	5.07	6.3
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		SR8	Surface	1	1	1	20:41	20.1		29.4	6.63	4.24	5.4
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		SR8	Surface	1	1	2	20:41	20.1	7.77	29.4	6.65	4.28	5.3
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		SR8	Middle	ļ	2	1	20:41		<u> </u>		ļ		
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		SR8	Middle		2	2	20:41						<u> </u>
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		SR8	Bottom	4	3	1	20:41	20.3	7.73		6.42	4.37	5.6
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		SR8	Bottom	4	3	2	20:41	20.3		29.6	6.4	4.34	5.7
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		SR9	Surface	1	1	1	20:23	20.2		29.4	6.75	4.21	5.1
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		SR9	Surface	1	1	2	20:23	20.1	7.76	29.4	6.78	4.22	5.2
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		SR9	Middle	ļ	2	1	20:23		<u> </u>		ļ		
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		SR9	Middle		2	2	20:23						
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		SR9		4.1	3	1	20:23	20.4		29.5	6.54	4.52	5.6
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		SR9		4.1	3	2	20:23	20.5		29.5	6.5	4.54	5.9
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		SR10A	Surface	1	1	1	21:00	20.1		29.3	6.68	4	5.1
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		SR10A	Surface	1	1	2	21:00	20.2		29.4	6.64	4.05	5.3
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy		SR10A		6.3	2	1	21:00	20.3		29.5	6.48	4.18	5.3
IMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy	Small Wave	ISR10A	Middle	6.3	2	2	21:00	20.2	7.83	29.5	6.44	4.24	5.5

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	2014-12-15	Mid-Ebb	Cloudy	Small Wave	SR10A	Bottom	11.5	3	1	21:00	20.4	7.72	29.5	6.32	4.37	5.6
TMCLKL	HY/2012/08	2014-12-15	Mid-Ebb	Cloudy	Small Wave	SR10A	Bottom	11.5	3	2	21:00	20.4	7.74	29.6	6.33	4.4	5.9
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	CS4	Surface	1	1	1	15:12	19	7.9	29.3	6.73	3.86	4.9
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	CS4	Surface	1	1	2	15:12	19.1	7.92	29.3	6.71	3.82	4.7
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	CS4	Middle	11	2	1	15:12			29.3	6.7	4.06	5.1
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	CS4	Middle	11	2	2	15:12	18.9	7.87	29.4	6.68	4.09	5.3
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	CS4	Bottom	21	3	1	15:12	18.9	7.88	29.5	6.44	4.79	5.8
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	CS4	Bottom	21	3	2	15:12	18.9	7.88	29.6	6.46	4.83	6.1
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	CS6	Surface	1	1	1	13:21			29.7	6.71	4.27	5.1
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	CS6	Surface	1	1	2	13:21		7.77	29.6	6.73	4.25	5.3
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	CS6	Middle	6.3	2	1	13:21	19.1	1	29.6	6.63	4.37	5.4
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	CS6	Middle	6.3	2	2	13:21	19	7.86	29.6	6.64	4.39	5.7
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	CS6	Bottom	11.6	3	1	13:21	19		29.7	6.41	5.01	6.2
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	CS6	Bottom	11.6	3	2	13:21	19		29.8	6.45	5.04	6.4
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	IS12	Surface	1	1	1	14:30		7.8	29.3	6.71	3.54	4.8
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	IS12	Surface	1	1	2	14:30		7.78	29.4	6.72	3.5	4.6
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	IS12	Middle	8.1	2	1	14:30		7.77	29.4	6.41	4.06	5.2
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	IS12	Middle	8.1	2	2	14:30			29.4	6.46	4.05	5.4
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	IS12	Bottom	15.1	3	1	14:30		7.8	29.5	6.4	4.27	5.7
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	IS12	Bottom	15.1	3	2	14:30	18.9	7.82	29.6	6.43	4.23	5.6
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	IS13	Surface	1	1	1	16:10	18.8	7.76	29.6	6.63	4.02	5.1
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	IS13	Surface	1	1	2	16:10	18.7	7.77	29.5	6.64	4.05	5.3
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	IS13	Middle	6.5	2	1	16:10	18.9	7.85	29.6	6.51	4.15	5.5
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	IS13	Middle	6.5	2	2	16:10	18.8	7.86	29.7	6.54	4.17	5.7
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	IS13	Bottom	12	3	1	16:10	19	7.81	29.7	6.42	4.91	6.2
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	IS13	Bottom	12	3	2	16:10	18.9	7.78	29.7	6.4	4.96	6.4
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	IS14	Surface	1	1	1	14:51	19	7.76	29.2	6.79	4.06	4.8
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	IS14	Surface	1	1	2	14:51	18.9	7.76	29.3	6.74	4.1	5
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	IS14	Middle	8.2	2	1	14:51	18.8	7.84	29.3	6.55	3.98	4.9
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	IS14	Middle	8.2	2	2	14:51	18.9	7.83	29.4	6.59	4.01	5.2
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	IS14	Bottom	15.4	3	1	14:51	18.7	7.86	29.4	6.42	4.73	5.8
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	IS14	Bottom	15.4	3	2	14:51	18.9	7.88	29.6	6.4	4.8	5.7
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	IS15	Surface	1	1	1	15:51	18.8	7.75	29.6	6.71	4.05	5.1
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	IS15	Surface	1	1	2	15:51	18.9	7.77	29.5	6.69	4.06	5.3
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	IS15	Middle	6.6	2	1	15:51	18.8	7.86	29.8	6.53	4.25	5.7
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	IS15	Middle	6.6	2	2	15:51	18.7	7.87	29.8	6.55	4.21	5.7
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	IS15	Bottom	12.1	3	1	15:51	18.8	7.82	29.7	6.39	4.97	6.2
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	IS15	Bottom	12.1	3	2	15:51	18.8	7.81	29.8	6.42	4.99	6.4
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	SR8	Surface	1	1	1	14:09	19	7.77	29.6	6.43	4.23	5.4
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	SR8	Surface	1	1	2	14:09	18.9	7.78	29.7	6.64	4.18	5.3
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	SR8	Middle		2	1	14:09						
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	SR8	Middle		2	2	14:09						
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	SR8	Bottom	4.5	3	1	14:09	19	7.78	29.5	6.51	4.32	5.7
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	SR8	Bottom	4.5	3	2	14:09	19	7.76	29.6	6.53	4.35	5.6
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	SR9	Surface	1	1	1	15:32	18.9	7.73	29.5	6.77	4.13	5.2
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	SR9	Surface	1	1	2	15:32	18.9	7.76	29.6	6.75	4.19	5.3
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	SR9	Middle		2	1	15:32						
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	SR9	Middle		2	2	15:32						
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	SR9	Bottom	4.6	3	1	15:32	19	7.83	29.7	6.56	4.71	5.8
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	SR9	Bottom	4.6	3	2	15:32	19.1	7.84	29.8	6.58	4.73	5.5
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	SR10A	Surface	1	1	1	13:45	19.1	7.81	29.7	6.7	4.02	5.1
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	SR10A	Surface	1	1	2	13:45	19.1	7.82	29.8	6.73	4.05	5.3
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	SR10A	Middle	6.5	2	1	13:45	19		29.7	6.59	4.04	5.5
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	SR10A	Middle	6.5	2	2	13:45	19.1		29.7	6.58	4.07	5.7
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	SR10A	Bottom	12	3	1	13:45	19.1		29.7	6.41	4.35	5.7
TMCLKL	HY/2012/08	2014-12-17	Mid-Flood	Fine	Great Wave	SR10A	Bottom	12	3	2	13:45	19		29.6	6.38	4.37	5.9
			Mid-Ebb	Sunny		CS4	Surface		1	1	07:39			29.5	6.63	3.94	4.9
TMCLKL	HY/2012/08	2014-12-17		Journa		1004	Journace	11	11	11	101.53	10.0	1.31	23.5	10.05	3.94	17.5

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	2014-12-17	Mid-Ebb	Sunny	Great Wave	CS4	Middle	10.8	2	1	07:39	18.8	7.82	29.5	6.6	4.11	5.2
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	CS4	Middle	10.8	2	2	07:39	18.9	7.84	29.5	6.54	4.16	5.5
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	CS4	Bottom	20.6	3	1	07:39	18.8	7.84	29.6	6.38	4.87	6.1
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	CS4	Bottom	20.6	3	2	07:39	18.8	7.85	29.7	6.34	4.95	5.8
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	CS6	Surface	1	1	1	10:14	19	7.76	29.5	6.65	4.36	5.2
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	CS6	Surface	1	1	2	10:14	18.9	7.75	29.6	6.68	4.34	5.4
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	CS6	Middle	6.1	2	1	10:14	19.1	7.82	29.5	6.54	4.46	5.7
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	CS6	Middle	6.1	2	2	10:14	19.1	7.84	29.6	6.56	4.5	5.9
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	CS6	Bottom	11.2	3	1	10:14	19.1	7.81	29.7	6.34	5.13	6.4
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	CS6	Bottom	11.2	3	2	10:14	19	7.83	29.6	6.37	5.17	6.3
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	IS12	Surface	1	1	1	08:25	18.9	7.78	29.5	6.64	3.62	4.9
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	IS12	Surface	1	1	2	08:25	18.9	7.76	29.4	6.65	3.53	4.6
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	IS12	Middle	7.9	2	1	08:25	18.8		29.5	6.34	4.13	5.2
	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	IS12	Middle	7.9	2	2	08:25	18.8	7.78	29.5	6.37	4.16	5.4
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-12-17 2014-12-17	Mid-Ebb Mid-Ebb	Sunny	Great Wave	IS12	Bottom	14.7	3		08:25	18.9	7.79 7.82	29.6 29.7	6.32 6.34	4.34	5.6
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny Sunny	Great Wave Great Wave	IS12 IS13	Bottom Surface	14.7	3 1	2	08:25 08:44	18.9 18.7	7.74	29.7	6.54	4.3 4.11	5.7 5.2
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	IS13	Surface	1	1	2	08:44	18.7	7.76	29.5	6.56	4.14	5.4
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	IS13	Middle	6.3	2	1	08:44	18.8	7.82	29.6	6.43	4.14	5.6
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	IS13	Middle	6.3	2	2	08:44	18.7	7.84	29.6	6.45	4.24	5.7
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	IS13	Bottom	11.6	3	1	08:44	18.8	7.79	29.6	6.3	5.14	6.2
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	IS13	Bottom	11.6	3	2	08:44	18.9	7.76	29.6	6.34	5.19	6.6
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	IS14	Surface	1	1	1	07:58	18.8	7.74	29.4	6.68	4.14	5.3
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	IS14	Surface	1	1	2	07:58	18.9	7.76	29.3	6.64	4.18	5.4
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	IS14	Middle	8	2	1	07:58	18.7	7.83	29.5	6.48	4.03	4.8
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	IS14	Middle	8	2	2	07:58	18.7	7.82	29.6	6.51	4.08	5.1
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	IS14	Bottom	15	3	1	07:58	18.9		29.6	6.3	5.02	6.2
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny		IS14	Bottom		3	2	07:58	18.8		29.6	6.28	4.97	6
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny		IS15	Surface	1	1	1	09:03	18.8		29.5	6.64	4.14	5.2
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny		IS15	Surface	1	1	2	09:03	18.7		29.4	6.6	4.18	5.3
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny		IS15		6.4	2	1	09:03	18.7		29.7	6.45	4.34	5.4
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	IS15		6.4	2	2	09:03	18.7	7.85	29.6	6.41	4.28	5.7
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	IS15	Bottom	11.7	3	1	09:03	18.9	7.8	29.7	6.32	5.08	6.2
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	IS15	Bottom	11.7	3	2	09:03	18.9	7.79	29.7	6.27	5.05	6.4
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	SR8	Surface	1	1	1	09:36	18.9	7.74	29.5	6.54	4.3	5.1
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	SR8	Surface	1	1	2	09:36	18.8	7.76	29.6	6.59	4.26	5.3
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	SR8	Middle		2	1	09:36						
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	SR8	Middle		2	2	09:36						
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	SR8	Bottom	4.1	3	1	09:36	18.9	7.76	29.4	6.44	4.44	5.7
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny		SR8	Bottom	4.1	3	2	09:36	18.9	7.73	29.4	6.46	4.46	5.5
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny		SR9	Surface	1	1	1	09:21	18.8	7.7	29.4	6.68	4.22	5.1
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny		SR9	Surface	1	1	2	09:21	18.7	7.74	29.5	6.72	4.26	5.5
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny		SR9	Middle		2	1	09:21						
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny		SR9	Middle		2	2	09:21						
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny		SR9		4.2	3	1	09:21	18.9	7.8	29.6	6.45	4.84	6.1
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny		SR9	Bottom	4.2	3	2	09:21	19	_	29.6	6.47	4.8	5.9
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	SR10A	Surface	1	1	1	09:54	19	7.79	29.5	6.63	4.14	5
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny		SR10A	Surface	1	1	2	09:54	19	7.81	29.6	6.67	4.17	4.8
TMCLKL	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	SR10A		6.3	2		09:54	19.1		29.6	6.52	4.18	5.2
	HY/2012/08	2014-12-17	Mid-Ebb	Sunny		SR10A	Middle	6.3	2	2	09:54	19		29.6	6.5	4.16	5.3
	HY/2012/08	2014-12-17	Mid-Ebb	Sunny	Great Wave	SR10A	Bottom	11.6	3		09:54	19		29.6	6.35	4.43	5.7
	HY/2012/08	2014-12-17	Mid-Ebb	Sunny		SR10A	Bottom	11.6	3	2	09:54	19		29.6	6.3	4.46	5.6
	HY/2012/08	2014-12-19	Mid-Flood	Cloudy		CS4	Surface	1	1		17:20	19.9	8.27	29.6	6.84	5.4	6.1
	HY/2012/08	2014-12-19	Mid-Flood	Cloudy		CS4	Surface	10.7	2	2	17:20	20		29.7	6.81	5.46	6.3
	HY/2012/08	2014-12-19	Mid-Flood	Cloudy		CS4	Middle	10.7 10.7	2	2	17:20	20	8.21	29.8 29.7	6.75 6.74	5.55 5.62	6.6
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-12-19 2014-12-19	Mid-Flood Mid-Flood	Cloudy Cloudy		CS4 CS4	Middle Bottom	20.4	2	1	17:20 17:20	20.1 20.2			6.53	5.79	6.8 6.9
				· · · · ·					3	2				29.8			
TMCLKL	HY/2012/08	2014-12-19	IVIIa-F1000	Cloudy	Small Wave	1654	Bottom	20.4	3	<u> </u> 2	17:20	20.3	8.26	29.9	6.49	5.84	6.5

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	2014-12-19	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	1	14:38	20	8.19	29.6	6.71	5.1	6.3
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy		CS6	Surface	1	1	2	14:38	20.1	8.2	29.7	6.67	5.06	6.1
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy		CS6	Middle	5.8	2	1	14:38	20.2	8.2	29.7	6.62	5.21	6.4
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	CS6	Middle	5.8	2	2	14:38	20.1	8.21	29.8	6.59	5.14	6.7
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	CS6	Bottom	10.6	3	1	14:38	20.2	8.23	29.8	6.5	5.52	6.6
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	CS6	Bottom	10.6	3	2	14:38	20.2	8.24	29.9	6.46	5.47	6.2
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	IS12	Surface	1	1	1	16:38	19.9	8.22	29.4	6.63	5.22	6.1
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	IS12	Surface	1	1	2	16:38	20	8.23	29.5	6.68	5.29	6.5
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	IS12	Middle	7.6	2	1	16:38	20	8.21	29.6	6.56	5.67	6.6
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	IS12	Middle	7.6	2	2	16:38	20.1	8.22	29.7	6.54	5.75	6.8
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	14.2	3	1	16:38	20.1	8.23	29.8	6.39	5.8	7
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	14.2	3	2	16:38	20.2	8.24	29.9	6.36	5.86	6.8
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	1	16:18	19.9	8.22	29.4	6.64	5.33	6.3
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	2	16:18	20	8.23	29.5	6.6	5.4	6.2
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	IS13	Middle	5.7	2	1	16:18	20	8.23	29.6	6.67	5.64	6.7
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	IS13	Middle	5.7	2	2	16:18	20.1	8.24	29.5	6.66	5.7	6.9
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	10.4	3	1	16:18	20.2	8.24	29.6	6.42	5.89	7.2
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy		IS13	Bottom	10.4	3	2	16:18	20.1	8.25	29.6	6.39	5.95	7
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy		IS14	Surface	1	1	1	16:58	19.8	8.18	29.5	6.6	5.15	6
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	2	16:58	19.9	8.19	29.6	6.63	5.24	6.3
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	IS14	Middle	8.4	2	1	16:58	19.9	8.21	29.7	6.48	5.49	6.7
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	IS14	Middle	8.4	2	2	16:58	20	8.22	29.6	6.45	5.55	6.5
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	15.8	3	1	16:58	20.1	8.23	29.7	6.32	5.96	7
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	15.8	3	2	16:58	20	8.22	29.8	6.3	5.9	7.1
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	1	15:58	20	8.19	29.3	6.57	5.17	6.2
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	2	15:58	19.9	8.2	29.4	6.54	5.24	6.4
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	IS15	Middle	5.4	2	1	15:58	20.1	8.21	29.5	6.61	5.45	6.7
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	IS15	Middle	5.4	2	2	15:58	20	8.22	29.4	6.59	5.41	6.8
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	9.8	3	1	15:58	20.1	8.23	29.5	6.37	5.67	6.6
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	9.8	3	2	15:58	20	8.24	29.6	6.34	5.72	6.9
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	1	15:18	20	8.24	29.6	6.57	5.09	6.3
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	2	15:18	19.9	8.25	29.7	6.53	5.15	6.2
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	1	15:18						
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	2	15:18						
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	3.8	3	1	15:18	20.1	8.26	29.7	6.46	5.37	6.5
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy		SR8	Bottom	3.8	3	2	15:18	20		29.8	6.44	5.43	6.6
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	1	15:38	20	8.23	29.4	6.52	5.25	6.3
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	2	15:38	20.1	8.24	29.5	6.49	5.33	6.4
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	SR9	Middle		2	1	15:38						
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	SR9	Middle		2	2	15:38						
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy		SR9	Bottom	4.6	3	1	15:38	20.1		29.6	6.35	5.52	6.6
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy		SR9	Bottom	4.6	3	2	15:38	20.2		29.5	6.41	5.6	6.7
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy		SR10A	Surface	1	1	1	14:58	20.1	8.2	29.6	6.79	4.84	5.7
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy		SR10A	Surface	1	1	2	14:58	20.1	_	29.5	6.82	4.93	5.6
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy		SR10A	Middle	6.6	2	1	14:58	20.1	-	29.6	6.76	5.02	6.7
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy		SR10A	Middle	6.6	2	2	14:58	20		29.7	6.73	5.08	6.5
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	12.2	3	1	14:58	20.2		29.9	6.64	5.29	6.6
TMCLKL	HY/2012/08	2014-12-19	Mid-Flood	Cloudy		SR10A	Bottom	12.2	3	2	14:58	20.1	-	29.8	6.6	5.34	6.7
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		CS4	Surface	1	1	1	09:18	19.8		29.5	6.78	5.49	6.7
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		CS4	Surface	1	1	2	09:18	19.9		29.6	6.75	5.55	6.5
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		CS4	Middle	10.6	2	1	09:18	19.9		29.6	6.69	5.64	6.8
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		CS4	Middle	10.6	2	2	09:18	20		29.7	6.68	5.71	6.5
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		CS4	Bottom	20.2	3	1	09:18	20.1		29.8	6.47	5.88	6.9
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		CS4	Bottom	20.2	3	2	09:18	20.2		29.8	6.43	5.93	6.7
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		CS6	Surface	1	1	1	11:36	20		29.4	6.65	5.09	6.2
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		CS6	Surface	1	1	2	11:36	19.9		29.5	6.61	5.14	6.4
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		CS6		5.6	2	1	11:36	20		29.5	6.56	5.3	6.4
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy	Small Wave	CS6	Middle	5.6	2	2	11:36	20	8.15	29.6	6.53	5.23	6.7

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	2014-12-19	Mid-Ebb	Cloudy	Small Wave	CS6	Bottom	10.2	3	1	11:36	20.1	8.17	29.7	6.44	5.61	6.5
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		CS6	Bottom	10.2	3	2	11:36	20.1		29.8	6.4	5.56	6.9
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		IS12	Surface	1	1	1	10:00	19.8		29.3	6.57	5.31	6.4
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy	Small Wave	IS12	Surface	1	1	2	10:00	19.9		29.4	6.62	5.38	6.1
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy	Small Wave	IS12	Middle	7.4	2	1	10:00	19.9	8.15	29.5	6.5	5.76	6.9
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy	Small Wave	IS12	Middle	7.4	2	2	10:00	20	8.16	29.6	6.48	5.84	7.1
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy	Small Wave	IS12	Bottom	13.8	3	1	10:00	20	8.17	29.7	6.33	5.89	6.8
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy	Small Wave	IS12	Bottom	13.8	3	2	10:00	20.1	8.18	29.7	6.3	5.95	7.2
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy	Small Wave	IS13	Surface	1	1	1	10:20	19.9	8.16	29.3	6.58	5.42	6.7
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy	Small Wave	IS13	Surface	1	1	2	10:20	19.9	8.17	29.4	6.54	5.49	6.5
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		IS13	Middle	5.6	2	1	10:20	19.9	8.15	29.4	6.61	5.73	6.8
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy	Small Wave	IS13	Middle	5.6	2	2	10:20	20		29.4	6.6	5.79	6.4
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	10.2	3	1	10:20	20		29.5	6.36	5.98	7
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		IS13	Bottom	10.2	3	2	10:20	20.1		29.5	6.33	6.04	6.8
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		IS14	Surface	1	1	1	09:40	19.8		29.4	6.69	5.24	6.1
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		IS14	Surface	1	1	2	09:40	19.8		29.5	6.72	5.33	6.3
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		IS14	Middle	8.3	2	1	09:40	19.9		29.6	6.57	5.58	6.6
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		IS14	Middle	8.3	2	2	09:40	19.9		29.6	6.54	5.64	6.7
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		IS14	Bottom	15.6	3	1	09:40	19.9		29.7	6.41	6.05	7.2
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		IS14	Bottom	15.6	3	2	09:40	20	8.17	29.7	6.38	5.99	7.3
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		IS15	Surface	1	1	1	10:41	19.9		29.2	6.51	5.26	6.2
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		IS15	Surface	1	1	2	10:41	20		29.3	6.48	5.33	6.5
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy	Small Wave	IS15	Middle	5.3	2	1	10:41	20		29.3	6.55	5.54	6.7
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		IS15	Middle	5.3	2	2	10:41	20		29.4	6.53	5.5	6.9
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy	Small Wave	IS15	Bottom	9.6	3	1	10:41	20	8.17	29.5	6.31	5.76	6.8
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		IS15	Bottom	9.6	3	2	10:41	20	8.18	29.5	6.28	5.81	6.7
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		SR8	Surface	1	1		11:18	19.9		29.6	6.51	5.18	6.1
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		SR8	Surface	1		2	11:18	20	8.19	29.0	6.47	5.24	6.3
	HY/2012/08	2014-12-19 2014-12-19	Mid-Ebb	Cloudy Cloudy		SR8 SR8	Middle Middle		2	2	11:18 11:18						/
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-12-19	Mid-Ebb Mid-Ebb	Cloudy		SR8		3.4	2	2	11:18	20	8.2	29.6	6.4	5.46	6.7
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		SR8	Bottom	3.4	3	2	11:18	20	8.21	29.0	6.38	5.52	6.5
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		SR9	Surface	1	1	1	11:01	20		29.4	6.46	5.34	5.9
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		SR9	Surface	1	1	2	11:01	20	_	29.4	6.43	5.42	6.2
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		SR9	Middle	1	2	1	11:01	20	0.10	23.4	0.43	5.42	0.2
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		SR9	Middle		2	2	11:01		ł –				
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		SR9	Bottom	4.4	3	1	11:01	20	8.16	29.4	6.29	5.61	6.6
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		SR9	Bottom	4.4	3	2	11:01	20		29.4	6.32	5.69	6.8
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy			Surface	1	1	1	12:06	20		29.5	6.73	4.93	5.9
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		SR10A	Surface	1	1	2	12:06	20		29.6	6.76	5.02	6.1
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		SR10A	Middle	6.4	2	1	12:06	20		29.6	6.7	5.11	6.2
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		SR10A	Middle	6.4	2	2	12:00	20		29.6	6.67	5.17	6.5
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		SR10A	Bottom	11.8	3	1	12:06	20		29.7	6.58	5.38	6.4
TMCLKL	HY/2012/08	2014-12-19	Mid-Ebb	Cloudy		SR10A	Bottom	11.8	3	2	12:06	20.1	-	29.8	6.54	5.43	6.7
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine		CS4	Surface	1	1	1	19:08	17.4	_	28.9	6.82	5.02	6.2
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine		CS4	Surface	1	1	2	19:08	17.4	-	28.9	6.83	5.06	6.3
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine		CS4	Middle	10.5	2	1	19:08	17.6	-	29.1	6.76	4.82	6.1
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine		CS4	Middle	10.5	2	2	19:08	17.5	-	29.1	6.74	4.8	5.8
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine		CS4	Bottom	20	3	1	19:08	17.8		29.4	6.52	4.72	5.6
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine		CS4	Bottom	20	3	2	19:08	17.8	-	29.4	6.54	4.7	5.4
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	CS6	Surface	1	1	1	16:42	17.5	8.21	28.9	6.84	4.21	5.3
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine		CS6	Surface	1	1	2	16:42	17.6		28.9	6.88	4.25	5.5
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	CS6	Middle	6	2	1	16:42	17.7	8.17	29.1	6.73	4.36	5.4
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	CS6	Middle	6	2	2	16:42	17.8	8.15	29.2	6.75	4.4	5.9
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	CS6	Bottom	10.9	3	1	16:42	17.8	8.1	29.4	6.64	4.92	6.3
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	CS6	Bottom	10.9	3	2	16:42	17.8		29.3	6.6	4.9	6.4
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine			Surface	1	1	1		17.4		28.9	6.76	4.15	5.6
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	IS12	Surface	1	1	2	18:34	17.4	8.26	28.9	6.79	4.2	5.9

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	2014-12-22	Mid-Flood	Fine	Small Wave	IS12	Middle	7.8	2	1	18:34	17.5	8.19	29.2	6.6	4.37	6.4
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	IS12	Middle	7.8	2	2	18:34	17.5	8.17	29.2	6.64	4.39	6.5
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	IS12	Bottom	14.5	3	1	18:34	17.7	8.22	29.3	6.51	4.78	6.7
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	IS12	Bottom	14.5	3	2	18:34	17.7	8.24	29.3	6.56	4.81	6.5
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	IS13	Surface	1	1	1	18:16	17.4	8.22	28.9	6.74	4.21	6.1
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	IS13	Surface	1	1	2	18:16	17.4	8.2	29	6.7	4.25	5.9
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	IS13	Middle	5.9	2	1	18:16	17.7	8.22	29.2	6.61	4.31	6.4
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	IS13	Middle	5.9	2	2	18:16	17.6	8.25	29.1	6.62	4.35	6.3
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	IS13	Bottom	10.7	3	1	18:16	17.8	8.25	29.3	6.54	4.72	6.6
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	IS13	Bottom	10.7	3	2	18:16	17.8	8.24	29.3	6.5	4.77	6.7
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	IS14	Surface	1	1	1	18:51	17.4	8.25	28.8	6.89	4.27	5.9
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	IS14	Surface	1	1	2	18:51	17.5	8.22	28.9	6.85	4.3	6.2
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	IS14	Middle	8.2	2	1	18:51	17.6	8.18	29.2	6.72	4.78	6.2
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	IS14	Middle	8.2	2	2	18:51	17.5	8.15	29.2	6.75	4.76	6.4
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	IS14	Bottom	15.3	3	1	18:51	17.8	8.25	29.3	6.62	5.02	6.6
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	IS14	Bottom	15.3	3	2	18:51	17.7	8.2	29.4	6.65	5.04	6.9
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	IS15	Surface	1	1	1	17:56	17.5	8.2	29	6.81	5.02	5.7
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	IS15	Surface	1	1	2	17:56	17.4	8.21	28.9	6.84	5.07	5.5
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	IS15	Middle	5.6	2	1	17:56	17.6	8.19	29.2	6.71	4.57	6.9
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	IS15	Middle	5.6	2	2	17:56	17.5	8.22	29.2	6.74	4.58	6.7
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	IS15	Bottom	10.1	3	1	17:56	17.8	8.2	29.4	6.65	4.34	6.7
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	IS15	Bottom	10.1	3	2	17:56	17.7	8.22	29.3	6.6	4.38	6.7
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	SR8	Surface	1	1	1	17:18	17.5	8.19	28.9	6.81	4.12	5.1
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	SR8	Surface	1	1	2	17:18	17.6	8.18	29	6.86	4.17	5.4
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	SR8	Middle		2	1	17:18						_ _ /
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	SR8	Middle		2	2	17:18				0.75		
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	SR8	Bottom	3.7	3	1	17:18	17.8		29.4	6.75	4.28	5.3
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine		SR8	Bottom	3.7	3	2		17.8	8.2	29.4	6.77	4.3	5.7
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine		SR9	Surface	1	1	1	17:37	17.4		28.9	6.9	4.42	5.3
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine		SR9	Surface	1	1	2	17:37	17.5	8.2	28.9	6.88	4.45	5.6
	HY/2012/08 HY/2012/08	2014-12-22	Mid-Flood	Fine Fine	Small Wave	SR9	Middle Middle		2		17:37 17:37						
	HY/2012/08	2014-12-22 2014-12-22	Mid-Flood Mid-Flood	Fine		SR9 SR9		4.2	2	2	17:37	17.8	8.13	29.1	6.69	4.52	67
TMCLKL TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave Small Wave	SR9 SR9	Bottom	4.2	3 2	2	17:37	17.0			6.72	4.57	6.7
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	SR10A	Bottom Surface	4.2	3	2	17:00	17.4		29.2 28.9	6.92	4.05	6.5 5.1
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	SR10A	Surface	1	1	2	17:00	17.5	8.23	29	6.95	4.07	5.3
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	SR10A	Middle	6.8	2	2	17:00	17.6	8.2	29.2	6.8	4.24	5.7
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	SR10A	Middle	6.8	2	2	17:00	17.6	-	29.2	6.82	4.3	5.6
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	SR10A	Bottom	12.5	2	1	17:00	17.7	_	29.3	6.79	5.02	6.2
TMCLKL	HY/2012/08	2014-12-22	Mid-Flood	Fine	Small Wave	SR10A	Bottom	12.5	3	2	17:00	17.8		29.4	6.76	5.03	6.3
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		CS4	Surface	1	1	1	11:28	17.8	_	28.9	6.94	4.87	5.6
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		CS4	Surface	1	1	2	11:28	17.7	_	28.9	6.9	4.82	5.9
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		CS4	Middle	10.7	2	1	11:28	17.9	-	29.3	6.84	4.93	6
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		CS4	Middle	10.7	2	2	11:28	17.9	_	29.2	6.87	4.95	5.8
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		CS4	Bottom	20.4	3	1	11:28	17.9		29.4	6.69	5.29	6.4
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		CS4	Bottom	20.4	3	2	11:28	17.9	-	29.4	6.65	5.22	6.7
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine	Small Wave	CS6	Surface	1	1	1	13:56	17.8		29.2	6.91	4.71	5.6
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		CS6	Surface	1	1	2	13:56	17.8		29.2	6.88	4.75	5.7
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		CS6	Middle	5.7	2	1	13:56	17.8		29.4	6.84	5.21	6.7
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		CS6	Middle	5.7	2	2	13:56	17.7	-	29.4	6.8	5.27	6.5
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine	Small Wave	CS6	Bottom	10.4	3	1	13:56	17.9	-	29.5	6.66	5.17	6.9
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		CS6	Bottom	10.4	3	2	13:56	17.8		29.5	6.62	5.14	6.7
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		IS12	Surface	1	1	1	12:08	17.7	-	29.1	6.87	4.99	6.1
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		IS12	Surface	1	1	2	12:08	17.7	_	29.1	6.84	4.92	6
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		IS12	Middle	7.4	2	1	12:08	17.8	_	29.4	6.79	5.12	6.2
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		IS12	Middle	7.4	2	2	12:08	17.8	-	29.4	6.75	5.16	6.3
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		IS12	Bottom	13.8	3	1	12:08	17.9	_	29.4	6.63	5.27	6.4
		2014-12-22		Fine	Small Wave		Bottom		3	2	12:08		8.17		6.67	5.33	6.5
				1		1		1.010	1	1-	1.2.00	1	1	1=	12.2.	13.20	

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	2014-12-22	Mid-Ebb	Fine	Small Wave	IS13	Surface	1	1	1	12:25	17.7	8.15	29.1	6.95	5.03	6.1
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine	Small Wave	IS13	Surface	1	1	2	12:25	17.6	8.16	29.2	6.91	4.98	6.3
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		IS13	Middle	5.4	2	1	12:25	17.8		29.2	6.72	5.27	6.4
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine	Small Wave	IS13	Middle	5.4	2	2	12:25	17.7		29.3	6.68	5.21	6.5
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine	Small Wave	IS13		9.8	3	1	12:25	17.9	8.16	29.3	6.67	5.58	6.6
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		IS13		9.8	3	2	12:25	17.9		29.3	6.69	5.52	6.9
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine	Small Wave	IS14	Surface	1	1	1	11:50	17.7		29	6.92	5.07	6
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine	Small Wave	IS14	Surface	1	1	2	11:50	17.7	8.15	29	6.95	5.01	6.2
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine	Small Wave	IS14	Middle	8.1	2	1	11:50	17.8	8.15	29.2	6.82	5.15	6.3
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine	Small Wave	IS14	Middle	8.1	2	2	11:50	17.8	8.16	29.2	6.79	5.11	6.5
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine	Small Wave	IS14	Bottom	15.2	3	1	11:50	17.9	8.16	29.3	6.71	5.64	6.7
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine	Small Wave	IS14	Bottom	15.2	3	2	11:50	17.9	8.15	29.3	6.75	5.6	6.8
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine	Small Wave	IS15	Surface	1	1	1	12:42	17.8	8.15	29	6.77	4.87	5.9
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine	Small Wave	IS15	Surface	1	1	2	12:42	17.8	8.15	29	6.74	4.8	5.8
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine	Small Wave	IS15	Middle	5.2	2	1	12:42	17.9	8.15	29.3	6.59	5.44	6.7
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine	Small Wave	IS15	Middle	5.2	2	2	12:42	17.9		29.2	6.55	5.4	6.9
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine	Small Wave	IS15		9.4	3	1	12:42	17.9	8.16	29.4	6.63	5.37	6.7
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		IS15		9.4	3	2	12:42	17.9		29.4	6.66	5.42	6.5
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		SR8	Surface	1	1	1	13:13	17.7	8.16	29.1	6.85	5.05	6.1
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		SR8	Surface	1	1	2	13:13	17.8	8.16	29	6.81	5.09	6.3
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine	Small Wave	SR8	Middle		2	1	13:13	1					_ _
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		SR8	Middle		2	2	13:13						
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine	Small Wave	SR8		4.2	3	1	13:13	17.8	8.17	29.3	6.77	5.67	6.7
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		SR8	Bottom	4.2	3	2	13:13	17.8	8.18	29.3	6.74	5.65	6.9
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		SR9	Surface	1	1	1	12:59	17.8	8.16	29.1	6.8	5.27	6.3
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine	Small Wave	SR9	Surface	1	1	2	12:59	17.7	8.16	29	6.77	5.34	6.5
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine	Small Wave	SR9	Middle		2	1	12:59						
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		SR9	Middle		2	2	12:59						
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		SR9		4.2	3	1	12:59	17.9		29.2	6.6	5.51	6.8
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		SR9		4.2	3	2	12:59	17.9		29.2	6.64	5.55	6.9
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		SR10A	Surface	1	1	1	13:28	17.8		29.1	6.98	4.93	5.9
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		SR10A	Surface	1	1	2	13:28	17.7		29.1	6.95	4.95	6.1
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		SR10A		6.6	2	1	13:28	17.8		29.3	6.79	5.08	
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		SR10A	-	6.6	2	2	13:28	17.9		29.3	6.75	5.02	6.2
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		SR10A	Bottom	12.2	3	1	13:28	17.9		29.4	6.71	5.43	6.4
TMCLKL	HY/2012/08	2014-12-22	Mid-Ebb	Fine		SR10A	Bottom	12.2	3	2	13:28	17.9		29.4	6.68	5.4	6.7
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy		CS4	Surface	1	1		10:50	19.9		29.7	6.81	5.48	6.7
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy		CS4	Surface	1	1	2	10:50	19.8		29.8	6.77	5.56	6.9
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy		CS4	Middle	11.3	2		10:50	19.9		29.9	6.69	5.73	6.8
	HY/2012/08	2014-12-24	Mid-Flood	cloudy		CS4	Middle	11.3	2	2	10:50	20	7.9	30	6.63	5.8	6.7
	HY/2012/08	2014-12-24	Mid-Flood	cloudy		CS4		21.6	3		10:50	20.1		30.1	6.35	5.99	7.2
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-12-24 2014-12-24	Mid-Flood Mid-Flood	cloudy		CS4 CS6	Bottom Surface	21.6	3 1	<u>ک</u> ۱	10:50 08:08	20.2		30.2	6.31 6.73	6.08 5.07	7.4 6.1
TMCLKL	HY/2012/08 HY/2012/08	2014-12-24	Mid-Flood	cloudy cloudy		CS6	Surface	1	1	2	08:08	19.8 19.9		29.5	6.73	5.07 5.14	6.1
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy		CS6		6.7	2	1	08:08	19.9		29.6 29.6	6.67	5.48	6.7
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy		CS6		6.7	2	2	08:08	19.9		29.0	6.65	5.48	6.5
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	CS6	Bottom	12.4	2	1	08:08	19.9		29.8	6.49	5.82	6.8
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy		CS6	Bottom	12.4	3	2	08:08	20		29.8	6.53	5.77	7.1
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	Cloudy		IS12	Surface	1	1	1	10:15	19.8	1	29.8	6.76	5.61	6.8
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	Cloudy		IS12	Surface	1	1	2	10:15	19.0		29.8	6.74	5.67	6.7
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	Cloudy		IS12	Middle	8	2	1	10:15	19.9	1	29.8	6.59	5.83	6.8
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	Cloudy		IS12	Middle	8	2	2	10:15	20		29.9	6.57	5.59	6.5
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	Cloudy		IS12	Bottom	15	3	1	10:15	20		29.9	6.35	6.04	7.1
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	Cloudy		IS12	Bottom	15	3	2	10:15	20.1		30	6.38	5.96	7.3
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy		IS12	Surface	1	1	1	09:58	19.9		29.7	6.53	5.48	6.4
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy		IS13	Surface	1	1	2	09:58	19.9		29.8	6.5	5.56	6.7
TMCLKL	HY/2012/08		Mid-Flood	cloudy		IS13		6.9	2	1	09:58	19.9	7.85		6.44	5.72	6.6
		2014-12-24		cloudy	Small Wave				2	2	09:58		7.86		6.41	5.79	6.8
	111/2012/00	2014-12-24		louuy		1013	Image	10.9	<u> </u>	<u> </u>	03.00	13.3	00.11	23.0	יד.טן	0.13	0.0

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	2014-12-24	Mid-Flood	cloudy	Small Wave	IS13	Bottom	12.8	3	1	09:58	19.9	7.88	29.9	6.34	5.96	7.1
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	IS13	Bottom	12.8	3	2	09:58	20	7.89	29.9	6.29	6.01	6.8
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	IS14	Surface	1	1	1	10:32	19.9	7.81	29.8	6.67	5.24	6.1
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	IS14	Surface	1	1	2	10:32	19.9	7.82	29.8	6.64	5.31	6.3
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	IS14	Middle	8.7	2	1	10:32	19.9	7.84	29.9	6.53	5.6	6.8
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	IS14	Middle	8.7	2	2	10:32	20	7.85	29.9	6.49	5.69	6.7
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	IS14	Bottom	16.4	3	1	10:32	20.1	7.89	30	6.4	5.84	6.9
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	IS14	Bottom	16.4	3	2	10:32	20.1	7.9	30.1	6.37	5.88	6.7
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	IS15	Surface	1	1	1	09:38	19.8	7.83	29.7	6.74	5.22	6.4
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	IS15	Surface	1	1	2	09:38	19.9	7.84	29.7	6.71	5.3	6.3
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	IS15	Middle	6.5	2	1	09:38	19.9	7.87	29.7	6.6	5.51	6.7
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	IS15	Middle	6.5	2	2	09:38	19.9	7.88	29.8	6.63	5.58	6.6
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	IS15	Bottom	12	3	1	09:38	19.9	7.86	29.8	6.39	5.83	6.8
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	IS15	Bottom	12	3	2	09:38	20	7.87	29.9	6.41	5.76	6.9
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	SR8	Surface	1	1	1	09:05	19.8	7.87	29.5	6.76	5.23	6.4
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	SR8	Surface	1	1	2	09:05	19.9	7.88	29.6	6.72	5.29	6.3
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	SR8	Middle		2	1	09:05						
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	SR8	Middle		2	2	09:05						
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	SR8	Bottom	4.7	3	1	09:05	19.9	7.89	29.6	6.58	5.6	6.8
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	SR8	Bottom	4.7	3	2	09:05	19.9	7.9	29.7	6.55	5.54	6.9
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	SR9	Surface	1	1	1	09:21	19.8	7.87	29.6	6.68	5.44	6.4
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	SR9	Surface	1	1	2	09:21	19.8	7.88	29.7	6.65	5.37	6.7
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	SR9	Middle		2	1	09:21						
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	SR9	Middle		2	2	09:21						
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	SR9	Bottom	4.6	3	1	09:21	19.8	7.87	29.7	6.47	5.76	6.9
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	SR9	Bottom	4.6	3	2	09:21	19.8	7.86	29.7	6.43	5.69	6.7
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	SR10A	Surface	1	1	1	08:36	19.8	7.89	29.6	6.58	5.26	6.4
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	SR10A	Surface	1	1	2	08:36	19.8	7.9	29.7	6.61	5.31	6.5
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	SR10A	Middle	6.9	2	1	08:36	19.9	7.91	29.7	6.54	5.5	6.7
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	SR10A	Middle	6.9	2	2	08:36	19.9	7.92	29.7	6.51	5.59	6.6
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	SR10A	Bottom	12.8	3	1	08:36	19.9	7.93	29.7	6.38	5.71	6.8
TMCLKL	HY/2012/08	2014-12-24	Mid-Flood	cloudy	Small Wave	SR10A	Bottom	12.8	3	2	08:36	19.9	7.93	29.8	6.35	5.77	7
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy	Small Wave	CS4	Surface	1	1	1	12:58	20.1	7.9	29.8	6.76	5.53	6.2
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy	Small Wave	CS4	Surface	1	1	2	12:58	20.2	7.91	29.9	6.71	5.62	6.4
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy	Small Wave	CS4	Middle	11.2	2	1	12:58	20	-	30.1	6.62	5.84	6.8
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		CS4	Middle	11.2	2	2	12:58	20.1	7.92	30	6.57	5.81	7.1
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		CS4	Bottom	21.3	3	1	12:58	20.2		30.3	6.3	6.07	7
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy	Small Wave	CS4	Bottom	21.3	3	2	12:58	20.2	7.89	30.2	6.27	6.14	7.2
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	Cloudy	Small Wave	CS6	Surface	1	1	1	15:18	19.9		29.6	6.62	5.17	6.3
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	Cloudy	Small Wave	CS6	Surface	1	1	2	15:18	20	7.85	29.7	6.66	5.23	6.4
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	Cloudy		CS6	Middle	6.6	2	1	15:18	20		29.8	6.59	5.57	6.8
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	Cloudy		CS6	Middle	6.6	2	2	15:18	20.1		29.7	6.52	5.6	6.7
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	Cloudy	Small Wave	CS6	Bottom	12.2	3	1	15:18	20.1		29.9	6.35	5.89	7.1
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	Cloudy		CS6	Bottom	12.2	3	2	15:18	20.2	7.9	30.1	6.41	5.88	7.2
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		IS12	Surface	1	1	1	13:39	19.9		29.9	6.62	5.72	6.5
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		IS12	Surface	1	1	2	13:39	19.8	7.8	30	6.64	5.77	6.6
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy	Small Wave	IS12	Middle	7.8	2	1	13:39	20		30	6.51	5.94	7.2
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		IS12	Middle	7.8	2	2	13:39	20		29.9	6.48	5.99	7.4
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		IS12	Bottom	14.6	3	1	13:39	20.2		30.1	6.28	6.16	7.6
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		IS12	Bottom	14.6	3	2	13:39	20.3	-	30	6.21	6.19	7.4
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		IS13	Surface	1	1	1	14:01	20		29.8	6.42	5.53	6.4
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		IS13	Surface	1	1	2	14:01	20		29.9	6.4	5.64	6.5
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		IS13	Middle	6.2	2	1	14:01	20.1		29.9	6.38	5.82	6.8
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		IS13	Middle	6.2	2	2	14:01	20		29.9	6.32	5.86	7.1
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		IS13	Bottom	12.4	3	1	14:01	20	7.9	30	6.22	6.07	7
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		IS13	Bottom	12.4	3	2	14:01	20.2		30.1	6.17	6.12	7.3
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	Cloudy			Surface	1	1	1	13:15	20		29.9	6.61	5.31	6.4
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	Cloudy	Small Wave	IS14	Surface	1	1	2	13:15	20.1	7.83	30	6.59	5.36	6.3

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	2014-12-24	Mid-Ebb	Cloudy	Small Wave	IS14	Middle	8.6	2	1	13:15	20.1	7.86	30.1	6.48	5.67	6.7
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	Cloudy		IS14	Middle	8.6	2	2	13:15	20.2	7.87	30.2	6.41	5.77	6.5
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	Cloudy	Small Wave	IS14	Bottom	16.2	3	1	13:15	20.1	7.91	30.2	6.36	5.96	7.3
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	Cloudy	Small Wave	IS14	Bottom	16.2	3	2	13:15	20.2	7.9	30.1	6.32	5.91	7.2
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy	Small Wave	IS15	Surface	1	1	1	14:26	19.9	7.84	29.8	6.62	5.36	6.2
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy	Small Wave	IS15	Surface	1	1	2	14:26	19.9	7.85	29.9	6.57	5.32	6.3
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy	Small Wave	IS15	Middle	6.4	2	1	14:26	20	7.89	29.8	6.52	5.58	6.7
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy	Small Wave	IS15	Middle	6.4	2	2	14:26	20.1	7.88	29.9	6.49	5.62	6.8
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy	Small Wave	IS15	Bottom	11.8	3	1	14:26	20.1	7.87	29.9	6.32	5.91	7.3
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		IS15	Bottom	11.8	3	2	14:26	20.2	7.9	30	6.36	5.86	7
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		SR8	Surface	1	1	1	15:02	19.9	7.88	29.6	6.7	5.34	6.2
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		SR8	Surface	1	1	2	15:02	19.9	7.89	29.7	6.61	5.38	6.3
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		SR8	Middle		2	1	15:02						
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		SR8	Middle		2	2	15:02						
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		SR8	Bottom	4.7	3	1	15:02	20.1	7.9	29.8	6.5	5.69	6.7
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		SR8	Bottom	4.7	3	2	15:02	20	7.91	29.8	6.43	5.63	6.9
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		SR9	Surface	1	1	1	14:44	19.9	7.88	29.8	6.62	5.49	6.2
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		SR9	Surface	1	1	2	14:44	19.8	7.89	29.7	6.58	5.52	6.1
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		SR9	Middle	ļ	2	1	14:44						
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		SR9	Middle		2	2	14:44						
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		SR9	Bottom	4.2	3	1	14:44	19.9		29.9	6.38	5.85	6.7
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		SR9	Bottom	4.2	3	2	14:44	20	7.87	29.8	6.32	5.78	6.5
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy	Small Wave	SR10A	Surface	1	1	1	15:40	19.9	7.9	29.8	6.46	5.38	6.2
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy	Small Wave	SR10A	Surface	1	1	2	15:40	19.8	7.91	29.7	6.51	5.43	6.3
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy	Small Wave	SR10A	Middle	6.8	2	1	15:40	20	-	29.8	6.48	5.61	6.7
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy	Small Wave	SR10A	Middle	6.8	2	2	15:40	20	7.93	29.9	6.41	5.68	6.9
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		SR10A	Bottom	12.6	3	1	15:40	20.1		29.8	6.32	5.78	6.8
TMCLKL	HY/2012/08	2014-12-24	Mid-Ebb	cloudy		SR10A		12.6	3	2	15:40	20.2	7.95		6.3	5.56	7.1
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		CS4	Surface	1	1	1	14:48	19.8		29.8	6.87	5.39	6.1
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		CS4	Surface	1	1	2	14:48	19.7		29.9	6.83	5.47	6.3
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		CS4	Middle	11.4	2	1	14:48	19.8		29.9	6.75	5.64	6.8
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		CS4	Middle	11.4	2	2	14:48	19.9	_	30	6.69	5.71	6.5
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		CS4	Bottom	21.8	3	1	14:48	20	-	30.1	6.41	5.9	6.9
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		CS4	Bottom	21.8	3	2	14:48	20.1		30.2	6.37	5.99	7.1
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		CS6	Surface	1	1	1	12:04	19.8	7.9	29.6	6.79	4.98	5.8
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		CS6	Surface	1	1	2	12:04	19.7		29.7	6.77	5.05	5.7
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		CS6	Middle	6.9	2	1	12:04	19.7		29.8	6.73	5.39	6.2
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		CS6	Middle	6.9	2	2	12:04	19.8		29.7	6.71	5.44	6.4
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		CS6	Bottom	12.8	3	1	12:04	19.8		29.8	6.55	5.73	6.8
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		CS6	Bottom	12.8	3	2	12:04	19.9		29.9	6.59	5.68	7.1
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		IS12	Surface	1	1	1	14:04	19.7		29.8	6.82	5.52	6.7
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		IS12	Surface	1	1	2	14:04	19.8		29.7	6.8	5.58	6.9
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		IS12	Middle	8.2	2	1	14:04	19.9		29.8	6.65	5.74	6.6
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		IS12	Middle	8.2	2	2	14:04	19.8		29.9	6.63	5.8	6.4
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		IS12	Bottom	15.4	3	1	14:04	19.9		29.9	6.41	5.95	7.1
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		IS12	Bottom	15.4	3	2	14:04	20	-	30	6.44	5.87	7.3
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		IS13	Surface	1	1	1	13:44	19.8	-	29.8	6.59	5.39	6.2
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		IS13	Surface	1	1	2	13:44	19.8		29.9	6.56	5.47	6.6
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		IS13	Middle	7.2	2	1	13:44	19.8		29.9	6.5	5.63	6.7
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		IS13	Middle	7.2	2	2	13:44	19.7		29.8	6.47	5.7	6.9
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		IS13	Bottom	13.4	3	1	13:44	19.8		29.9	6.4	5.87	6.9
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		IS13	Bottom	13.4	3	2	13:44	19.9		30	6.35	5.92	7.1
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		IS14	Surface	1	1	1	14:24	19.8		29.8	6.73	5.15	6
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		IS14	Surface	1	1	2	14:24	19.8		29.9	6.7	5.22	6.3
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		IS14	Middle	8.9	2	1	14:24	19.8	7.9	29.9	6.59	5.51	6.7
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		IS14	Middle	8.9	2	2	14:24	19.9		30	6.55	5.6	6.5
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy		IS14	Bottom	16.8	3	1	14:24	20		30.2	6.46	5.75	6.9
	HY/2012/08	2014-12-29	IVIIa-Flood	Cloudy	Small Wave	1514	Bottom	16.8	3	2	14:24	19.9	7.96	30.1	6.43	5.79	/

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	2014-12-29	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	1	13:24	19.7	7.89	29.7	6.8	5.13	6.2
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	2	13:24	19.6	7.9	29.8	6.77	5.21	6.3
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy	Small Wave	IS15		6.6	2	1	13:24	19.7	7.93	29.8	6.66	5.42	6.5
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy	Small Wave	IS15	Middle	6.6	2	2	13:24	19.8	7.94	29.9	6.69	5.49	6.6
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	12.2	3	1	13:24	19.8		29.9	6.45	5.74	6.8
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	12.2	3	2	13:24	19.9	7.93	30	6.47	5.67	7
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	1	12:44	19.7	7.93	29.6	6.82	5.14	6.1
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	2	12:44	19.8	7.94	29.7	6.78	5.2	6.3
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	1	12:44						
	HY/2012/08	2014-12-29	Mid-Flood	Cloudy	Small Wave	SR8	Middle	4.6	2	2	12:44	10.0	7.05	20.7	6.64	E E 4	
	HY/2012/08	2014-12-29	Mid-Flood	Cloudy	Small Wave	SR8		4.6	3	1	12:44	19.9		29.7	6.64	5.51	6.6
	HY/2012/08 HY/2012/08	2014-12-29 2014-12-29	Mid-Flood Mid-Flood	Cloudy	Small Wave Small Wave	SR8 SR9	Bottom Surface	4.6	3	2	12:44	19.8	7.96	29.8 29.7	6.61 6.74	5.45 5.35	6.7
TMCLKL TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy Cloudy	Small Wave	SR9 SR9	Surface	1	1	1	13:04 13:04	19.6 19.7	7.93	29.7	6.74	5.28	6.3 6.5
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy	Small Wave	SR9 SR9	Middle		2	1	13:04	19.7	7.94	29.0	0.71	5.20	0.0
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy	Small Wave	SR9 SR9	Middle		2	2	13:04						
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy	Small Wave	SR9		4.8	3	1	13:04	19.7	7.93	29.8	6.53	5.67	6.6
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy	Small Wave	SR9	Bottom	4.8	3	2	13:04	19.8	-	29.9	6.49	5.6	6.7
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	1	12:24	19.7	_	29.7	6.64	5.17	6.3
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	2	12:24	19.7	7.96	29.8	6.67	5.22	6.4
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	7.1	2	1	12:24	19.8	7.97	29.8	6.6	5.41	6.6
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	7.1	2	2	12:24	19.7	7.98	29.9	6.57	5.5	6.8
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	13.2	3	1	12:24	19.8	7.99	29.9	6.44	5.62	7
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	13.2	3	2	12:24	19.9	7.98	29.8	6.41	5.68	6.8
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	CS4	Surface	1	1	1	18:12	19.6	7.74	29.5	6.72	5.47	6.3
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	CS4	Surface	1	1	2	18:12	19.6	7.76	29.4	6.7	5.49	6.4
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	CS4	Middle	11.3	2	1	18:12	19.7	_	29.6	6.63	5.72	6.8
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy		CS4	Middle	11.3	2	2		19.8		29.7	6.61	5.7	6.5
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	CS4		21.6	3	1	18:12	19.9	_	29.8	6.37	6.03	7.3
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	CS4		21.6	3	2	18:12	20	_	29.8	6.39	6.05	7.2
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	CS6	Surface	1	1	1	21:05	19.6		29.5	6.66	5.11	6
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	CS6	Surface	1	1	2	21:05	19.7	8.16	29.6	6.68	5.13	6.3
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	CS6	Middle	6.8	2	1	21:05	19.8	7.97	29.7	6.54	5.47	6.8
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	CS6	Middle	6.8	2	2	21:05	19.8	7.97	29.8	6.56	5.49	6.7
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	CS6	Bottom	12.5	3	1	21:05	19.9	7.82	29.9	6.43	6.03	7.2
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy		CS6	Bottom	12.5	3	2	21:05	20		29.9	6.41	6.05	7.3
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	IS12	Surface	1	1	1	18:57	19.6	7.98	29.5	6.83	5.63	6.3
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy		IS12	Surface	1	1	2	18:57	19.7		29.5	6.8	5.65	6.4
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	IS12		8.1	2	1	18:57	19.8	-	29.6	6.57	5.92	6.9
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy		IS12		8.1	2	2	18:57	19.8	_	29.7	6.55	5.94	7.1
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy		IS12	Bottom	15.1	3	1	18:57	19.9		29.8	6.33	6.02	7
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy		IS12	Bottom	15.1	3	2		20		29.9	6.35	6.04	7.2
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy		IS13	Surface	1	1	1	19:19	19.5		29.6	6.42	5.47	6.7
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy		IS13	Surface	1	1	2	19:19	19.6	_	29.7	6.44	5.49	6.5
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy		IS13		7.1	2	1	19:19	19.7		29.8	6.37	5.72	6.8
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy		IS13		7.1	2	2	19:19	19.7	7.9	29.8	6.36	5.7	6.7
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy		IS13	Bottom	13.1	3	1	19:19	19.9	-	30	6.25	5.99	/
	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy		IS13	Bottom	13.1	3	2	19:19	19.8		29.9	6.27	6.01	7.2
	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy		IS14	Surface	1	1		18:34	19.5		29.6	6.66	5.37	6.3
	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy		IS14	Surface			2	18:34	19.6	_	29.7	6.64	5.4	6.7
	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy		IS14		8.8	2		18:34	19.7	_	29.8	6.43	5.56	6.6
	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy		IS14		8.8	2	2	18:34	19.7		29.8	6.45	5.58	6.9
	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy		IS14	Bottom	16.5	3	1	18:34	19.9		29.9	6.33	5.88	6.8
	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy		IS14	Bottom	16.5	3	1	18:34	19.8	8.15 8.14		6.31	5.9 5.24	7.1
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-12-29 2014-12-29	Mid-Ebb Mid-Ebb	Cloudy Cloudy		IS15 IS15	Surface Surface	1	1	12	19:40 19:40	19.6 19.7	_	29.5 29.5	6.72 6.7	5.24	6.1 6.3
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy		IS15 IS15		6.5	2	1	19:40	19.7	_	29.5	6.63	5.55	6.7
	HY/2012/08	2014-12-29		Cloudy	Small Wave		Middle		2	2	19:40		8.23		6.65	5.57	6.6
	111/2012/00	12014-12-29		Loioudy		1010	Image	10.0	<u>ک</u>	<u>ک</u>	13.40	13.0	10.23	23.0	10.00	0.07	0.0

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	2014-12-29	Mid-Ebb	Cloudy	Small Wave	IS15	Bottom	12	3	1	19:40	19.9	7.96	29.9	6.6	5.83	6.8
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	IS15	Bottom	12	3	2	19:40	20	7.98	29.9	6.58	5.81	6.7
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	SR8	Surface	1	1	1	20:20	19.5	7.83	29.5	6.74	5.24	6.4
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	SR8	Surface	1	1	2	20:20	19.6	7.81	29.6	6.72	5.26	6.3
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	SR8	Middle		2	1	20:20						
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	SR8	Middle		2	2	20:20						
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	SR8		4.3	3	1	20:20	19.7		29.7	6.51	5.63	6.8
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	SR8	Bottom	4.3	3	2	20:20	19.7	7.98	29.8	6.53	5.61	6.5
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	SR9	Surface	1	1	1	20:00	19.5	7.92	29.6	6.61	5.62	6.8
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	SR9	Surface	1	1	2	20:00	19.5	7.9	29.7	6.63	5.6	6.5
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	SR9	Middle		2	1	20:00						'
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	SR9	Middle		2	2	20:00	40.7	0.04	00.0	0.45		
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	SR9	Bottom	4.5	3	1	20:00	19.7		29.8	6.45	5.77	6.6
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	SR9	Bottom	4.5	3	2	20:00	19.8	8.06	29.9	6.43	5.79	6.9
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	SR10A	Surface	1	1	1	20:45	19.7	7.92	29.6	6.43	5.26	6.1
	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	SR10A	Surface	7	1	2	20:45	19.7	7.94	29.7	6.41	5.28	6.3
	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	7	2		20:45	19.8	8.11	29.8	6.37	5.56	6.7
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-12-29 2014-12-29	Mid-Ebb Mid-Ebb	Cloudy Cloudy	Small Wave Small Wave	SR10A SR10A	Middle Bottom	13	2	2	20:45 20:45	19.9 20	8.09 7.85	29.8 29.9	6.39 6.25	5.58 5.63	6.9 6.8
TMCLKL	HY/2012/08	2014-12-29	Mid-Ebb	Cloudy	Small Wave	SR10A	Bottom	13	2	2	20:45	19.9	7.87	30	6.23	5.65	6.6
TMCLKL	HY/2012/08	2014-12-29	Mid-Flood	Cloudy	Small Wave	CS4	Surface	10	3	2	15:58	19.9	7.99	29.9	6.84	5.37	6.1
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	CS4 CS4	Surface	1	1	2	15:58	19.9	8.02	30.1	6.89	5.44	6.3
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	CS4	Middle	11.3	2	1	15:58	19.7	8.02	30.1	6.72	5.63	6.5
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	CS4 CS4	Middle	11.3	2	2	15:58	19.8	8.02	30.2	6.76	5.67	6.9
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	21.6	3	1	15:58	19.7	7.98	30.4	6.38	5.86	7.3
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	21.6	3	2	15:58	19.7	7.99	30.3	6.41	5.94	7.2
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	1	13:15	19.8	7.97	29.8	6.76	5.01	6
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy		CS6	Surface	1	1	2	13:15	19.8		29.9	6.79	5.04	6.3
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	CS6		6.7	2	1	13:15	19.8		29.9	6.72	5.33	6.7
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy		CS6		6.7	2	2	13:15	19.9		30	6.78	5.42	6.5
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	CS6	Bottom	12.4	3	1	13:15	20	-	30.1	6.52	5.64	6.6
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy		CS6	Bottom	12.4	3	2	13:15	19.9		30	6.58	5.68	6.4
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy		IS12	Surface	1	1	1	15:22	19.8		29.9	6.85	5.46	6.3
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	IS12	Surface	1	1	2	15:22	19.8		29.9	6.79	5.51	6.6
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	IS12	Middle	8.1	2	1	15:22	19.9	7.93	30	6.62	5.72	6.8
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	IS12	Middle	8.1	2	2	15:22	19.8	7.95	30.1	6.67	5.79	7
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	15.1	3	1	15:22	19.7	7.98	30.2	6.39	5.9	7
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	15.1	3	2	15:22	19.8	7.99	30.3	6.42	5.87	6.9
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	1	15:01	19.8	7.94	30.1	6.57	5.38	6.4
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	2	15:01	19.7	7.95	30	6.6	5.41	6.7
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy		IS13		7.1	2	1	15:01	19.8		30.2	6.48	5.53	6.6
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy		IS13	Middle	7.1	2	2	15:01	19.9		30.1	6.52	5.64	6.5
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy		IS13	Bottom	13.1	3	1	15:01	19.8	-	30.2	6.36	5.84	6.8
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy		IS13	Bottom	13.1	3	2	15:01	19.8	_	30.3	6.39	5.81	7.1
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy		IS14	Surface	1	1	1	15:39	19.8		30	6.69	5.13	6
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy		IS14	Surface	1	1	2	15:39	19.7	7.95		6.73	5.17	6.3
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy		IS14		8.7	2	1	15:39	19.9		30.2	6.58	5.43	6.5
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy		IS14	1	8.7	2	2	15:39	19.9		30	6.51	5.51	6.7
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy		IS14	Bottom	13.4	3	1	15:39	19.7		30.2	6.45	5.73	6.8
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy		IS14	Bottom	13.4	3	2	15:39	19.8		30.3	6.49	5.76	
	HY/2012/08	2014-12-31	Mid-Flood	Cloudy		IS15	Surface	11	1		14:34	19.7		29.9	6.78	5.11	5.8
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy		IS15	Surface			2	14:34	19.6	7.96	30	6.82	5.16	5.7
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy		IS15		6.4	2		14:34	19.7	0 04	30	6.62	5.43	6.7
	HY/2012/08	2014-12-31	Mid-Flood	Cloudy		IS15		6.4	2	2	14:34	19.8		30.1	6.68	5.4	6.4
	HY/2012/08	2014-12-31	Mid-Flood	Cloudy		IS15		11.8	3 2	1	14:34	19.7		30.1	6.39	5.71	6.7
	HY/2012/08	2014-12-31	Mid-Flood Mid-Flood	Cloudy		IS15 SR8		11.8	1	∠ 1	14:34	19.6 19.8		30.2	6.47 6.78	5.7 5.13	6.9 6.3
	HY/2012/08 HY/2012/08	2014-12-31 2014-12-31	Mid-Flood	Cloudy Cloudy	Small Wave		Surface Surface	1	1	2	14:00 14:00			29.8	6.81		6.2
	ע/211/2012/08	2014-12-31	11110-11000			SKO	Sunace	1	1	<u> </u> ∠	14.00	13.1	0	29.9	0.01	5.18	0.2

Project	Works	Date	Tide	Weather	Sea	Stat	Level	Water	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Condition Small Wave	SR8	Middle	Depth	2	1	14:00						
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy		SR8	Middle		2	2	14:00						
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy		SR8	Bottom	4.6	3	1	14:00	19.9	8.02	29.9	6.58	5.48	6.7
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy		SR8	Bottom	4.6	3	2	14:00	19.9	8.03	30	6.6	5.42	6.9
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy		SR9	Surface	1	1	1	14:19	19.7	8.01	29.9	6.71	5.36	6.4
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	2	14:19	19.6	8	30	6.75	5.26	6.5
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	SR9	Middle		2	1	14:19						
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	SR9	Middle		2	2	14:19						
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	SR9	Bottom	4.6	3	1	14:19	19.6	8.02	29.9	6.49	5.62	6.6
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	SR9	Bottom	4.6	3	2	14:19	19.5	8.02	30.1	6.54	5.57	6.8
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	1	13:34	19.6	8.02	29.7	6.65	5.06	6.1
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	2	13:34	19.7	8.03	29.8	6.68	5.02	6.3
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	7.1	2	1	13:34	19.8	8.04	29.9	6.57	5.28	6.2
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	7.1	2	2	13:34	19.7	8.05	30	6.56	5.33	6.4
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	13.1	3	1	13:34	19.8	8.06	30	6.39	5.48	6.7
TMCLKL	HY/2012/08	2014-12-31	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	13.1	3	2	13:34	19.8	8.07	30	6.43	5.51	6.9
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy			Surface	1	1	1	07:45	19.6		29.9	6.78	5.45	6.2
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy		CS4	Surface	1	1	2	07:45	19.7	8	30	6.74	5.53	6.3
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy		CS4	Middle	11.2	2	1	07:45	19.7	8.01	30.1	6.66	5.7	6.8
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy	Small Wave	CS4	Middle	11.2	2	2	07:45	19.8	8.02	30	6.6	5.77	6.7
	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy	Small Wave	CS4	Bottom	21.4	3		07:45	20	7.97	30.2	6.32	5.96	7
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-12-31 2014-12-31	Mid-Ebb Mid-Ebb	Cloudy Cloudy		CS4 CS6	Bottom Surface	21.4	3	2	07:45 10:13	19.9 19.7	7.98	30.3 29.7	6.28 6.7	6.05 5.04	7.2 6
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy	Small Wave Small Wave	CS6	Surface	1	1	2	10:13	19.7	7.90	29.7	6.68	5.11	6.3
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy	Small Wave	CS6	Middle	6.6	2	1	10:13	19.0	7.97	29.8	6.64	5.45	6.6
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy	Small Wave	CS6	Middle	6.6	2	2	10:13	19.7	7.95	29.9	6.62	5.5	6.7
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy	Small Wave	CS6	Bottom	12.2	2	1	10:13	19.9	7.90	29.9	6.46	5.79	6.8
TMCLKL	HY/2012/08		Mid-Ebb	Cloudy		CS6	Bottom		3	2		19.9	8	30	6.5	5.74	6.9
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy		IS12	Surface	1	1	1	08:21	19.7	7.9	29.8	6.73	5.58	6.4
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy		IS12	Surface	1	1	2	08:21	19.6	_	29.9	6.71	5.64	6.5
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy		IS12	Middle	7.9	2	1	08:21	19.8	_	29.9	6.56	5.8	7
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy		IS12	Middle	7.9	2	2	08:21	19.7		30	6.54	5.86	7.2
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy		IS12	Bottom	14.8	3	1	08:21	19.8		30.1	6.32	6.01	7.3
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy		IS12	Bottom	14.8	3	2	08:21	19.9	_	30	6.35	5.93	7.6
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy		IS13	Surface	1	1	1	08:39	19.7		29.9	6.5	5.45	6.5
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy		IS13	Surface	1	1	2	08:39	19.6	_	30	6.47	5.53	6.7
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy		IS13	Middle	6.9	2	1	08:39	19.7		30	6.41	5.69	6.8
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy		IS13	Middle	6.9	2	2	08:39	19.7		30.1	6.38	5.76	7.1
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	12.8	3	1	08:39	19.7	8	30.1	6.31	5.93	7.3
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	12.8	3	2	08:39	19.8	8.01	30	6.26	5.98	7.4
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy	Small Wave	IS14	Surface	1	1	1	08:03	19.7	7.93	29.9	6.64	5.21	6.2
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy	Small Wave	IS14	Surface	1	1	2	08:03	19.6		30	6.61	5.28	6.3
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy	Small Wave	IS14	Middle	8.6	2	1	08:03	19.8	7.96	30.1	6.5	5.57	6.8
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy	Small Wave	IS14	Middle	8.6	2	2	08:03	19.7	7.97	30	6.46	5.66	6.7
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy	Small Wave	IS14	Bottom	16.2	3	1	08:03	19.9	_	30.1	6.37	5.81	7
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy	Small Wave	IS14	Bottom	16.2	3	2	08:03	19.9	_	30.2	6.34	5.85	7.2
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy		IS15	Surface	1	1	1	09:09	19.6		29.8	6.71	5.19	6.2
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy		IS15	Surface	1	1	2	09:09	19.5		29.9	6.68	5.27	6.4
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy		IS15	Middle	6.2	2	1	09:09	19.6	7.99	29.9	6.57	5.48	6.5
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy		IS15	Middle	6.2	2	2	09:09	19.7	8	30	6.6	5.55	6.8
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy		IS15	Bottom	11.4	3	1	09:09	19.8	-	30	6.36	5.8	7
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy		IS15	Bottom	11.4	3	2	09:09	19.7	_	30.1	6.38	5.73	7.1
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy		SR8	Surface	1	1	1	09:33	19.6	7.99	29.7	6.73	5.2	6.1
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy		SR8	Surface	1	1	2	09:33	19.7	8	29.8	6.69	5.26	6.3
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy		SR8	Middle		2	1	09:33				ļ		
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy		SR8	Middle	4.0	2	2	09:33						
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy		SR8		4.2	3	1	09:33	19.8		29.8	6.55	5.57	6.6
TIMULKL	HY/2012/08	2014-12-31	ממ⊣-במא	Cloudy	Small Wave	588	Bottom	4.2	3	2	09:33	19.7	8.02	29.9	6.52	5.51	6.8

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	2014-12-31	Mid-Ebb	Cloudy	Small Wave	SR9	Surface	1	1	1	09:15	19.6	7.99	29.8	6.65	5.41	6.3
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy	Small Wave	SR9	Surface	1	1	2	09:15	19.5	8	29.9	6.62	5.34	6.7
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy	Small Wave	SR9	Middle		2	1	09:15						
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy	Small Wave	SR9	Middle		2	2	09:15						
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy	Small Wave	SR9	Bottom	4.4	3	1	09:15	19.7	7.99	29.9	6.44	5.73	6.8
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy	Small Wave	SR9	Bottom	4.4	3	2	09:15	19.7	7.98	30	6.4	5.66	6.5
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy	Small Wave	SR10A	Surface	1	1	1	09:51	19.5	8.01	29.7	6.55	5.08	6.1
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy	Small Wave	SR10A	Surface	1	1	2	09:51	19.6	8.02	29.6	6.58	5.13	6.3
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	6.9	2	1	09:51	19.7	8.03	29.8	6.51	5.32	6.4
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	6.9	2	2	09:51	19.6	8.04	29.7	6.48	5.42	6.7
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy	Small Wave	SR10A	Bottom	12.8	3	1	09:51	19.7	8.05	29.8	6.35	5.53	6.6
TMCLKL	HY/2012/08	2014-12-31	Mid-Ebb	Cloudy	Small Wave	SR10A	Bottom	12.8	3	2	09:51	19.8	8.04	29.9	6.32	5.59	6.9

Appendix J

Impact Dolphin Monitoring Survey

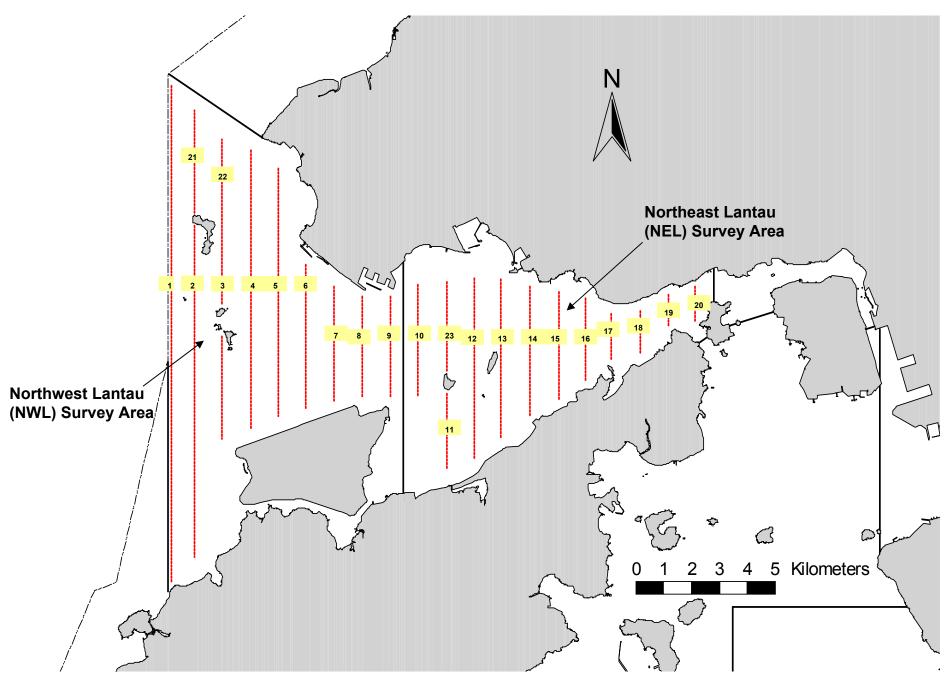


Figure 1. Transect Line Layout in Northwest and Northeast Lantau Survey Areas

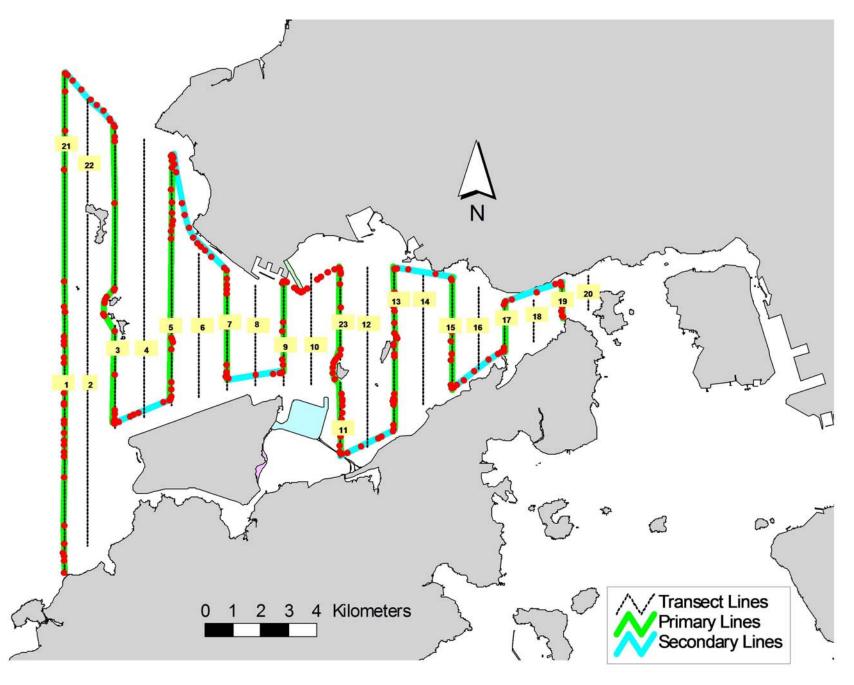


Figure 2. Survey Route on December 2nd, 2014 (from HKLR03 project)

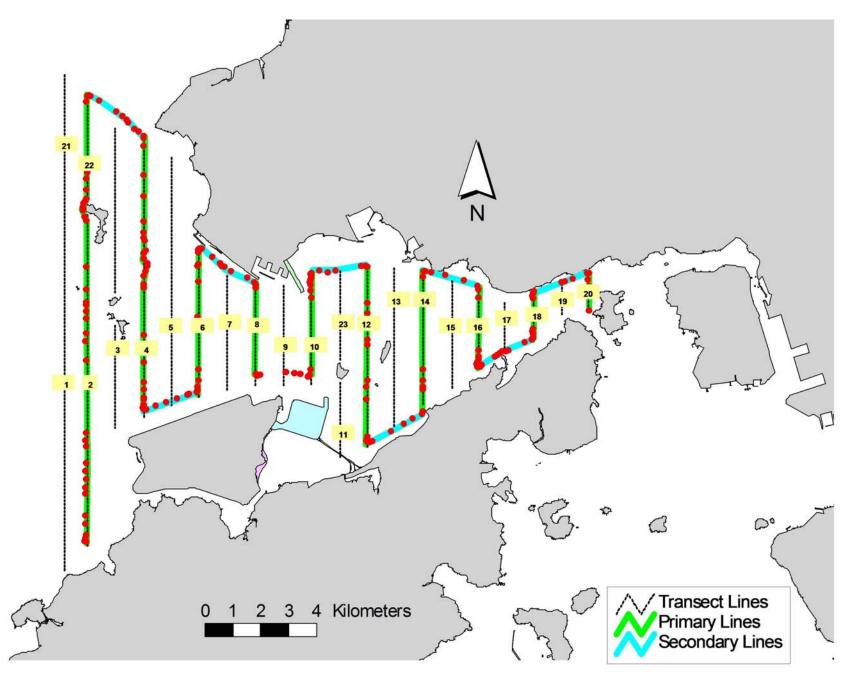


Figure 3. Survey Route on December 9th, 2014 (from HKLR03 project)

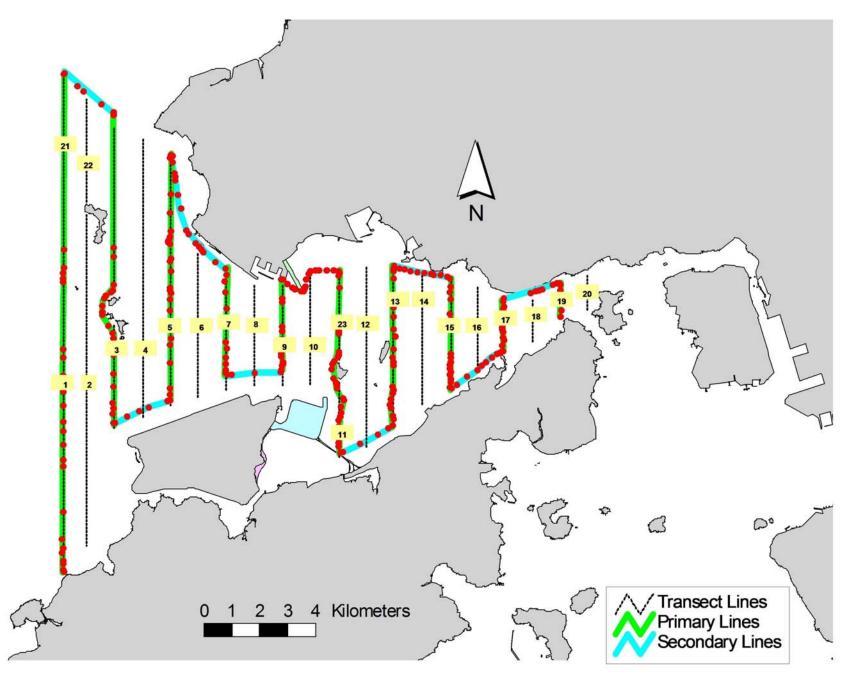


Figure 4. Survey Route on December 15th, 2014 (from HKLR03 project)

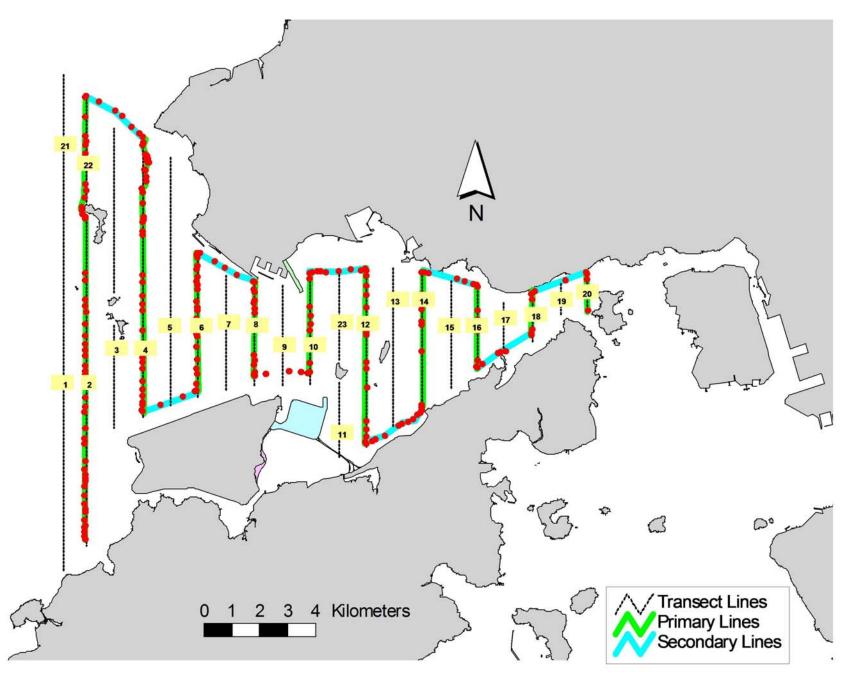


Figure 5. Survey Route on December 23rd, 2014 (from HKLR03 project)

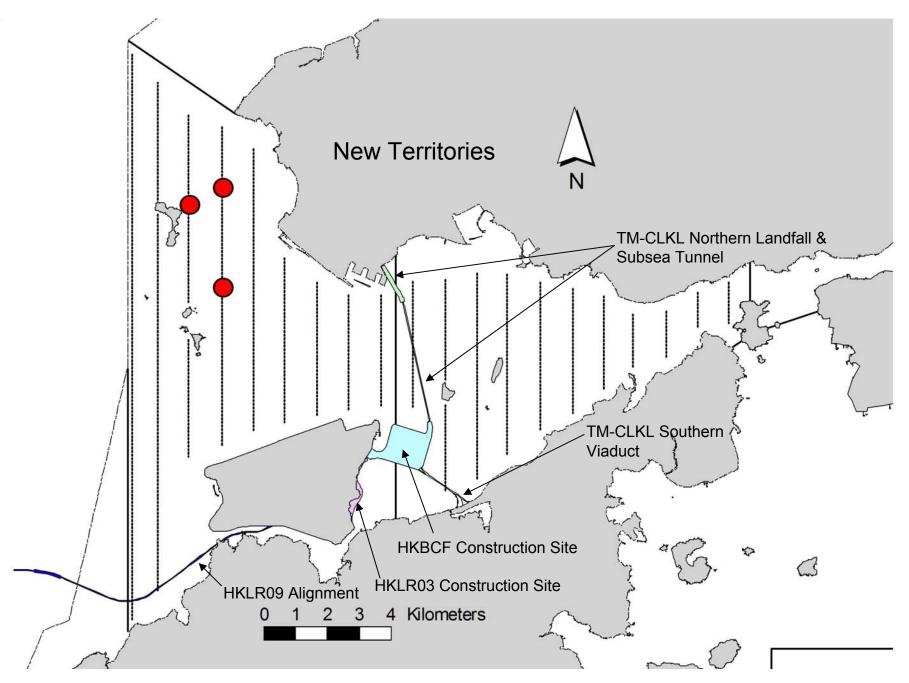


Figure 6. Distribution of Chinese White Dolphin Sightings During December 2014 HKLR03 Monitoring Surveys

Appendix I. HKLR03 Survey Effort Database (December 2014)

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

DATE	AREA	BEAU	EFFORT	SEASON	VESSEL	TYPE	P/S
2-Dec-14	NE LANTAU	2	15.30	WINTER	STANDARD31516	HKLR	Р
2-Dec-14	NE LANTAU	3	2.28	WINTER	STANDARD31516	HKLR	Р
2-Dec-14	NE LANTAU	2	7.54	WINTER	STANDARD31516	HKLR	S
2-Dec-14	NE LANTAU	3	2.28	WINTER	STANDARD31516	HKLR	S
2-Dec-14	NW LANTAU	2	18.17	WINTER	STANDARD31516	HKLR	Р
2-Dec-14	NW LANTAU	3	23.09	WINTER	STANDARD31516	HKLR	Р
2-Dec-14	NW LANTAU	2	10.54	WINTER	STANDARD31516	HKLR	S
2-Dec-14	NW LANTAU	3	2.10	WINTER	STANDARD31516	HKLR	S
9-Dec-14	NE LANTAU	1	5.79	WINTER	STANDARD31516	HKLR	Р
9-Dec-14	NE LANTAU	2	14.41	WINTER	STANDARD31516	HKLR	Р
9-Dec-14	NE LANTAU	1	2.20	WINTER	STANDARD31516	HKLR	S
9-Dec-14	NE LANTAU	2	8.30	WINTER	STANDARD31516	HKLR	S
9-Dec-14	NW LANTAU	1	2.11	WINTER	STANDARD31516	HKLR	Р
9-Dec-14	NW LANTAU	2	28.31	WINTER	STANDARD31516	HKLR	Р
9-Dec-14	NW LANTAU	2	5.13	WINTER	STANDARD31516	HKLR	S
9-Dec-14	NW LANTAU	3	2.45	WINTER	STANDARD31516	HKLR	S
15-Dec-14	NW LANTAU	2	31.56	WINTER	STANDARD31516	HKLR	Р
15-Dec-14	NW LANTAU	3	9.34	WINTER	STANDARD31516	HKLR	Р
15-Dec-14	NW LANTAU	2	12.90	WINTER	STANDARD31516	HKLR	S
15-Dec-14	NE LANTAU	1	3.57	WINTER	STANDARD31516	HKLR	Р
15-Dec-14	NE LANTAU	2	13.37	WINTER	STANDARD31516	HKLR	Р
15-Dec-14	NE LANTAU	1	3.76	WINTER	STANDARD31516	HKLR	S
15-Dec-14	NE LANTAU	2	6.50	WINTER	STANDARD31516	HKLR	S
23-Dec-14	NE LANTAU	2	19.81	WINTER	STANDARD31516	HKLR	Р
23-Dec-14	NE LANTAU	2	9.69	WINTER	STANDARD31516	HKLR	S
23-Dec-14	NE LANTAU	3	0.90	WINTER	STANDARD31516	HKLR	S
23-Dec-14	NW LANTAU	2	13.36	WINTER	STANDARD31516	HKLR	Р
23-Dec-14	NW LANTAU	3	16.71	WINTER	STANDARD31516	HKLR	Р
23-Dec-14	NW LANTAU	2	5.81	WINTER	STANDARD31516	HKLR	S
23-Dec-14	NW LANTAU	3	1.82	WINTER	STANDARD31516	HKLR	S

Appendix II. HKLR03 Chinese White Dolphin Sighting Database (December 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
02-Dec-14	1	1428	1	NW LANTAU	3	207	ON	HKLR	826916	806457	WINTER	NONE	Р
09-Dec-14	1	1315	3	NW LANTAU	2	280	ON	HKLR	824445	807513	WINTER	NONE	Р
23-Dec-14	1	1335	1	NW LANTAU	3	151	ON	HKLR	827424	807518	WINTER	NONE	Р

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

ID#	DATE	STG#	AREA
NL48	23/12/14	1	NW LANTAU
NL136	02/12/14	1	NW LANTAU
NL214	09/12/14	1	NW LANTAU
NL220	09/12/14	1	NW LANTAU
NL307	09/12/14	1	NW LANTAU



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

Appendix K

Event and Action Plan

Event and Action Plan for Impact Air Monitoring

				Action				
-		ET (a)		IEC (a)		SOR (a)		Contractor(s)
Action Level								
Exceedance recorded	 1. 2. 3. 4. 5. 6. 7. 	Identify the source. Repeat measurement to confirm finding. If two consecutive measurements exceed Action Level, the exceedance is then confirmed. Inform the IEC and the SOR. 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. Discuss with the IEC and the Contractor on remedial actions required. If exceedance continues, arrange meeting with the IEC and the SOR.	1. 2. 3. 4.	Check monitoring data submitted by the ET. Check the 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. Supervisor implementation	1. 2. 3.	Confirm receipt of notification of failure in writing. Notify the Contractor. Ensure remedial measures properly implemented.	1. 2. 3. 4. 5.	Rectify any unacceptable practice Amend working methods if appropriate If the exceedance is confirmed to be Project related, submit proposals for remedial actions to IEC within 3 working days of notification Implement the agreed proposals Amend proposal if
	8.	If exceedance stops, cease additional monitoring.		of remedial measures.				appropriate

				Action				
	ET (a)]	EC (a)		SOR (a)		Contractor(s)
Limit Level								
Limit Level Exceedance recorded	 two consecutive me Level, the exceedar 3. Inform the IEC, the Contractor. 4. Investigate the caus check Contractor's determine possible implemented. 5. If the exceedance is related after investi monitoring frequer 6. Carry out analysis working procedure mitigation to be im 7. Arrange meeting w to discuss the reme 8. Assess effectivenes 	nt to confirm finding. If easurements exceed Limit ice is then confirmed. SOR, the DEP and the se of exceedance and working procedures to mitigation to be confirmed to be Project igation, increase icy to daily. of the Contractor's es to determine possible	1. 2. 3. 4. 5.	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. Supervisor implementation of remedial measures.	1. 2. 3. 4. 5.	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.	1. 2. 3. 4. 5.	Take immediate action to avoid further exceedance. If the exceedance is confirmed to be Proje related 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 SO until the exceedance is abated.
	and the SOR inform 9. If exceedance stops monitoring.	ned of the results.						

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

Event & Action Plan for Water Quality

Event	ET I	Leader	IEC		SO	R	Co	ntractor
Action level being exceeded by one sampling day	1.	Repeat <i>in situ</i> measurement on next day of exceedance to confirm findings;	1.	Check monitoring data submitted by ET and Contractor's working methods.	1.	Confirm receipt of notification of non- compliance in writing;	1.	Inform the SOR and confirm notification of the non-compliance in writing;
	 2. 3. 4. 	Identify source(s) of impact; Inform IEC, contractor and SOR; Check monitoring data, all plant, equipment and Contractor's working methods.			2.	Notify Contractor.	2.	Rectify unacceptable practice; Amend working methods if appropriate.
Action level being exceeded by two or more consecutive sampling days	 1. 2. 3. 4. 5. 6. 7. 	 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; 	 2. 3. 4. 	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.	 2. 3. 	Discuss with IEC on the proposed mitigation measures; Ensure mitigation measures are properly implemented; Assess the effectiveness of the implemented mitigation measures.	 2. 3. 4. 5. 	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 by one sampling day	1.	Repeat measurement on next day of exceedance to confirm findings;	1.	Check monitoring data submitted by ET and	1.	Confirm receipt of notification of failure in	1.	Inform the SOR and confirm notification of the

Event	ET Leader	IEC		SOR	Contractor
	 Identify source(s) of impation Inform IEC, contractor, S EPD; Check monitoring data, a equipment and Contractor methods; Discuss mitigation measu IEC, SOR and Contractor 	act; r OR and 2. I oR and 2. I or's working 3. F ures with a	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.	 writing; 2. Discuss with IEC, ET and Contractor on the proposed mitigation measures; 3. Request Contractor to review the working methods. 	 non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment and consider changes of working methods; Submit proposal of mitigation measures to SOR within 3 working days of notification and discuss with ET, IEC and SOR.
Limit level being exceeded by two or more consecutive sampling days	 Repeat measurement on a exceedance to confirm fir Identify source(s) of impact of the second se	ndings; s act; r OR and 2. I oll plant, or's working 3. F ures with ; res are 4. S irrequency to e of Limit	Check monitoring data submitted by ET and Contractor's working method; Discuss with ET and Contractor on possible remedial actions; Review the Contractor's mitigation measures whenever necessary to assure their effectiveness and advise the SOR accordingly; Supervise the implementation of mitigation measures.	 Discuss with IEC, ET and Contractor on the proposed mitigation measures; Request Contractor to critically review the working methods; Make agreement on the mitigation measures to be implemented; Ensure mitigation measures are properly implemented; Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the construction activities until no exceedance of Limit level. 	mitigation measures if problem still not under control;

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

EVENT		ACTION*		
	ET	IEC	SOR	Contractor
	 Identify source(s) of impact; Inform the IEC, SOR and Contractor of findings; Check monitoring data; Repeat review to ensure all the dolphin protective measures are fully and properly implemented and advise on additional measures if necessary. 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 control/temporarily stop relevant construction activity etc.) and submit to IEC a proposal of additional dolphin monitoring and/or mitigation measures where necessary. 	 Contractor the necessity of additional dolphin monitoring and any other potential mitigation measures. 4. Review proposals for additional monitoring and any other mitigation measures submitted by ET and Contractor and advise SOR of the results and findings accordingly. 5. Supervise / Audit the implementation of additional monitoring and/or any other mitigation measures and advise SOR the results and findings accordingly. 	 proposals for additional dolphin monitoring and/or any other mitigation measures submitted by ET and Contractor and verified by IEC, SOR to signify the agreement in writing on such proposals and any other mitigation measures. 3. Supervise the implementation of additional monitoring and/or any other mitigation measures. 	 potential mitigation measures. 3. Jointly submit with ET to IEC a proposal of additional dolphin monitoring and/or any other mitigation measures when necessary. 4. Implement the agreed additional dolphin monitoring and/or any other mitigation measures.

Appendix L

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

Table L1Cumulative Statistics on Exceedances

Parameters	Level of Exceedance	Total No. recorded in this reporting month	Total No. recorded since project commencement
1-hr TSP	Action	2	30
	Limit	0	2
24-hr TSP	Action	0	5
	Limit	0	1
Water Quality	Action	0	6
	Limit	0	1
Impact Dolphin	Action	0	7
Monitoring	Limit	0	0

Table L2Cumulative Statistics on Complaints, Notifications of Summons and
Successful Prosecutions

Reporting Period		Cumulative Statistics	
	Complaints	Notifications of Summons	Successful Prosecutions
This Reporting Month (December 2014)	0	0	0
Total No. received since project commencement	4	0	0

Email message		Environmental Resources Management
То	ENVIRON - Hong Kong, Limited (ENPO)	16/F Berkshire House, 25 Westlands Road Quarry Bay, Hong Kong
From	ERM- Hong Kong, Limited	Telephone: (852) 2271 3113 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 Air Quality Impact Monitoring	9
Date	12 December 2014	ERM

Dear Sir or Madam,

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

0212330_2December2014_1hrTSP_Station ASR5

A total of one Action Level Exceedance was recorded on 2 December 2014.

Regards,

Mr Jovy Tam Environmental Team Leader

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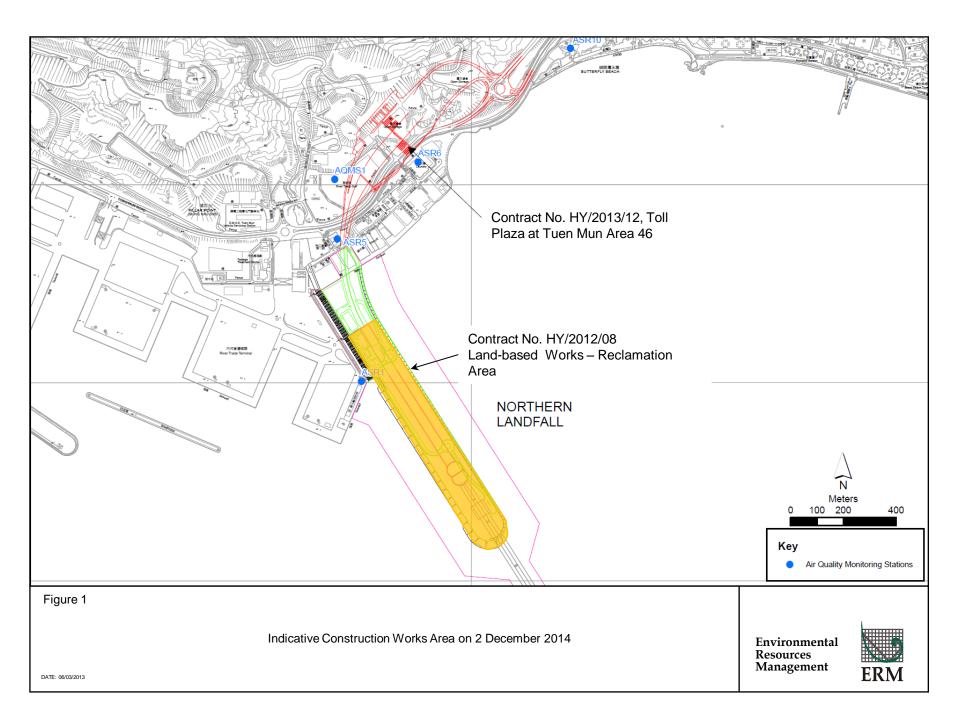


CONTRACT NO. HY/2012/08 Tuen Mun – Chek Lap Kok Link – Northern Connection Sub-sea Tunnel Section

Air Quality Impact Monitoring Notification of Exceedance

Log No.	0212330_2December2014_1hrTSP_Station ASR5 [Total No. of Exceedances = 1]							
Date		2 December 2014 (Measured)						
	11 Decemb	per 2014 (Laboratory results received by ERM)						
Monitoring Station	A	SR1, ASR5, ASR6, ASR10 and AQMS1						
Parameter(s) with		1-hr TSP						
Exceedance(s)	1-nr 15P							
Action Levels	1-hr TSP ($\mu g/m^3$) ASR5 = 340							
	24-hr TSP ($\mu g/m^3$) ASR5 = 238							
Limit Levels	1-hr TSP (μg/m³)	500						
	24-hr TSP ($\mu g/m^3$) 260							
Measured Levels	Action Level Exceedance for 1-hr TSP is observed at ASR5 (346 μ g/m ³) during 1510 - 1610 hrs.							
Works Undertaken (at	On 2 December 2014, Excavation Works for launching shaft were carried out at Reclamation Works							
the time of monitoring	Area Portion N-A; Land Bored P	Area Portion N-A; Land Bored Piling Works at Reclamation Works Area Portion N-A and Surcharge						
event)	Set Up at Reclamation Works Ar	ea Portions N-B and N-C.						

Possible Reason for	The exceedance(s) are unlikely to be due to the Project, in view of the following:
Action or Limit Level	 Considering the relatively higher levels of 1-hour TSP between 1500 and 1700 hrs at most
Action or Limit Level Exceedance(s)	 Considering the relatively higher levels of 1-hour TSP between 1500 and 1700 hrs at most monitoring stations, it is probably unlikely that the level of land-based construction works under this Contract can cause increase in 1-hour TSP of this magnitude and scale. It is considered that the observed exceedances for 1-hour TSP at ASR5 may represent sporadic event associated with traffic emissions and anthropogenic activities during afternoon rush hour at River Trade Terminal. According to the construction information provided by the Contractor, the majority of construction works on 2 December 2014 were Excavation Works for launching shaft at Reclamation Works Area Portion N-A; Land Bored Piling Works at Reclamation Works Area Portion N-A and Surcharge Set Up at Reclamation Works Area Portions N-B and N-C. During the period of the land-based construction works, the Contractor has implemented the required mitigation measures as per the EP, approved EIA and Updated EM&A Manual (e.g. water spraying by water trucks on exposed soil within the Project site and associated work areas; use of wheel washing facilities; hydro-seeding of area where works have been completed). Whilst exceedances of Action Level were observed at ASR5, the 24-hr TSP level at the monitoring station (ASR1 = 127 µg/m³) on 2 December 2014 were in compliance with the Action and Limit Levels. Same level and extent of construction works were carried out at the same works area on 29th November and 5th December whilst no exceedance was recorded. With reference to the recorded wind direction (ranged between 34^o and 65^o, blowing from a North-Easterly direction) during the period of the boserved 1-hr TSP exceedances, Station ASR5 is located upstream to the land-based construction activities at the Reclamation Works Area, thus the observed exceedance should not be affected by the dust, if any, generated by the construction activities under this Contract. As stated in the EIA report (Section 4.2.3
	causing by the construction works of the Project.
Actions Taken / To Be	Based on the record of subsequent weekly site inspection on 3 December 2014, no dust nuisance was
Taken	recorded at the Reclamation Works Area and activities conducted in this Contract's work has strictly followed the requirements stated in the EP (EP-354/2009/B) (see photo records on <i>Annex A</i>). In addition, the Contractor has implemented the required mitigation measures as per the EP, approved EIA and Updated EM&A Manual (e.g. watering at least 12 times per day on all exposed soil within the Project site and associated work areas; use of wheel washing facilities; hydro-seeding of area
	where works have been completed) throughout the construction period, no additional mitigation is deemed necessary. The Enhanced TSP Monitoring has commenced on 24 October 2014, the ET will monitor for future trends in exceedances.
Remarks	The monitoring results and the locations of air quality monitoring stations are attached.





Annex A Photo Records taken during Weekly Site Inspection

*Note: Photos taken on 3/12/2014



Hydro-seeding of area where works have been completed. (Reclamation Works Area)

Email message		Environmental Resources Management
То	ENVIRON - Hong Kong, Limited (ENPO)	16/F Berkshire House, 25 Westlands Road Quarry Bay, Hong Kong
From	ERM- Hong Kong, Limited	Telephone: (852) 2271 3113 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 Air Quality Impact Monitoring	
Date	29 December 2014	ERM

Dear Sir or Madam,

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

0212330_17December2014_1hrTSP_Station AQMS1

A total of one Action Level Exceedance was recorded on 17 December 2014.

Regards,

Mr Jovy Tam Environmental Team Leader

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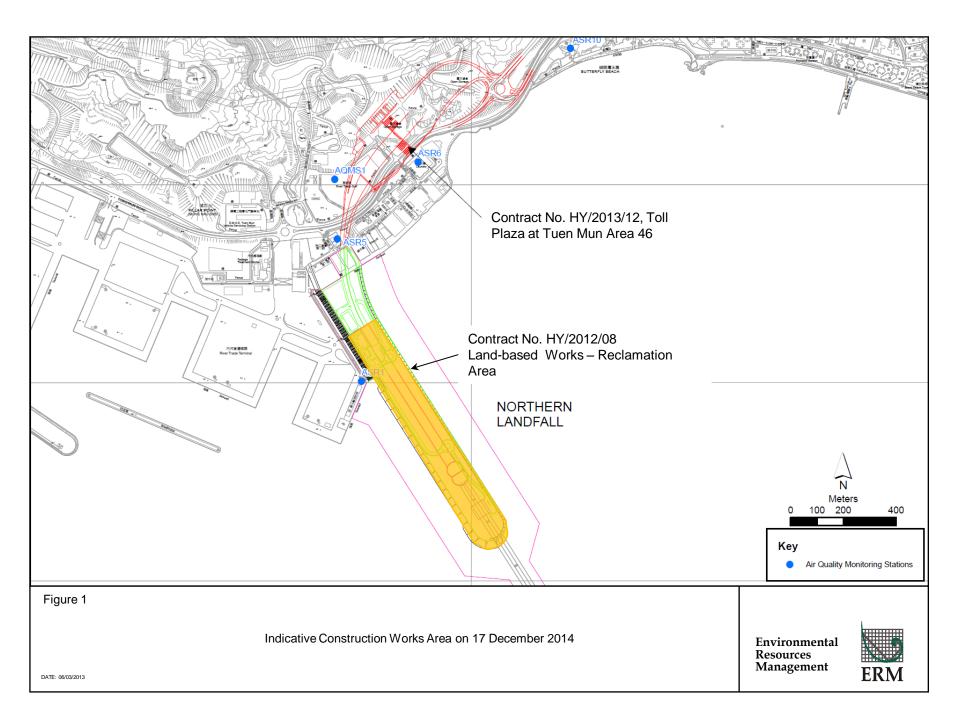


CONTRACT NO. HY/2012/08 Tuen Mun – Chek Lap Kok Link – Northern Connection Sub-sea Tunnel Section

Air Quality Impact Monitoring Notification of Exceedance

Log No.	0212330_17December2014_1hrTSP_Station AQMS1 [Total No. of Exceedances = 1]						
Date	17 December 2014 (Measured)						
	24 Decemb	per 2014 (Laboratory results received by ERM)					
Monitoring Station	AS	SR1, ASR5, ASR6, ASR10 and AQMS1					
Parameter(s) with		1-hr TSP					
Exceedance(s)							
Action Levels	1-hr TSP (μg/m ³)	AQMS1 = 335					
	24-hr TSP (μg/m ³)	AQMS1 = 213					
Limit Levels	1-hr TSP (μg/m ³)	500					
	24-hr TSP (μg/m ³)	260					
Measured Levels	Action Level Exceedance for 1-h	r TSP is observed at AQMS1 (348 μg/m³) during 1444 - 1544 hrs.					
Works Undertaken (at	On 17 December 2014, Land Bore	ed Piling Works were carried out at Reclamation Works Area					
the time of monitoring	Portion N-A and Surcharge Set L	Jp at Reclamation Works Area Portions N-B and N-C.					
event)							
Possible Reason for	The exceedance(s) are unlikely to	b be due to the Project, in view of the following:					
Action or Limit Level Exceedance(s)	According to the construct	ction information provided by the Contractor, the majority of					
	 Works Area Portion N-A N-C. During the period implemented the required EM&A Manual (e.g. wate and associated work areas works have been complet Whilst exceedances of Act monitoring station (AQM Action and Limit Levels. Same level and extent of c December and 20th Decem the observed exceedances with traffic emissions and Road. With reference to the reco North-Easterly direction) the observed 1-hr TSP exc construction activities at t not be affected by the dus Contract. As stated in the EIA report than the other region of H 	tion Level were observed at AQMS1, the 24-hr TSP level at the $IS1 = 155 \ \mu g/m^3$) on 17 December 2014 were in compliance with the construction works were carried out at the same works area on 14 th aber whilst no exceedance was recorded. It is thus considered that s for 1-hour TSP at AQMS1 may represent sporadic event associated a anthropogenic activities during afternoon rush hour at Lung Mun orded wind direction (ranged between 44° and 60°, blowing from a and wind speed (ranged from 2.7 to 5.4 m/s) during the period of ceedances, Station AQMS1 is located upstream to the land-based the Reclamation Works Area, thus the observed exceedance should st, if any, generated by the construction activities under this rt (Section 4.2.3), the background TSP level of Tuen Mun is higher Hong Kong, thus the exceedances may be also contributed r construction works / traffic within the Tuen Mun Area rather than					

Actions Taken / To Be	Based on the record of weekly site inspection on 17 December 2014, no dust nuisance was recorded						
Taken	at the Reclamation Works Area and activities conducted in this Contract's work has strictly followe						
	the requirements stated in the EP (EP-354/2009/C) (see photo records on Annex A). In addition,						
	the Contractor has implemented the required mitigation measures as per the EP, approved EIA and						
	Updated EM&A Manual (e.g. use of water truck on exposed soil within the Project site and						
	associated work areas; use of wheel washing facilities; hydro-seeding of area where works have						
	been completed) throughout the construction period, no additional mitigation is deemed necessary.						
	The Enhanced TSP Monitoring has commenced on 24 October 2014, the ET will monitor for future						
	trends in exceedances.						
Remarks	The monitoring results and the locations of air quality monitoring stations are attached.						





Annex A Photo Records taken during Weekly Site Inspection

*Note: Photos taken on 17/12/2014



Hydro-seeding of area where works have been completed. (Reclamation Works Area)



Use of water truck on exposed soil within the Project site and associated work areas. (Reclamation Works Area)

Appendix M

Waste Flow Table



Appendix D – Monthly Summary Waste Flow Table Name of Department: HyD

Contract No. / Works Order No.: <u>HY/2012/08</u>

Monthly Summary Waste Flow Table for <u>December 2014</u>

[to be submitted not later than the 15th day of each month following reporting

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

	Monthly Break-down of <u>Inert</u> Construction & Demolition Materials (i.e. Public Fill Materials)								
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)				
2013 Sub-total	3.718	0.000	0.000	0.000	3.718				
Jan-2014	9.012	0.000	0.000	0.000	9.012				
Feb-2014	0.000	0.000	0.000	0.000	0.000				
Mar-2014	0.105	0.000	0.000	0.000	0.105				
Apr-2014	0.022	0.000	0.000	0.000	0.022				
May-2014	1.016	0.000	0.000	0.000	1.016				
Jun-2014	4.393	0.000	0.000	0.000	4.393				
Half Year Sub-total	14.548	0.000	0.000	0.000	14.548				
Jul-2014	14.405	0.000	0.000	0.000	14.405				
Aug-2014	12.728	0.000	0.000	0.000	12.728				
Sep-2014	6.843	0.000	0.000	0.000	6.843				
Oct-2014	1.228	0.000	0.000	0.000	1.228				
Nov-2014	0.595	0.000	0.000	0.000	0.595				
Dec-2014	10.151	0.000	0.000	0.000	10.151				
Project Total Quantities	64.216	0.000	0.000	0.000	64.216				



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		Monthly Construction & Demolition Material Movements (Import Fill Materials & Marine Mud Disposal)									
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) (by Barge)	* Imported Fill to Reclamation Area (Public Fill)(From Rambler Channel) (by Truck)	* Imported Fill to Reclamation Area (From RTT Barging Point) (by Truck)	Marine Disposal (Cat. L)	Marine Disposal (Cat. M _P &M _F)			
	(in '000 ton)	(in '000 ton)	(in '000 ton)	(in '000 ton)	(in '000 ton)	(in '000 ton)	(in '000 m ³)	(in '000 m ³)			
2013 Sub-total	211.541	2.508	19.460	0.000	0.000	45.472	61.600	18.200			
Jan-2014	177.300	4.050	8.544	0.000	0.000	124.412	34.000	12.500			
Feb-2014	143.891	27.825	5.371	0.000	0.000	81.296	18.500	24.500			
Mar-2014	257.304	53.388	27.958	113.789	0.000	63.961	37.300	40.450			
Apr-2014	198.245	10.186	41.702	191.094	0.000	26.640	28.600	15.400			
May-2014	236.816	4.612	65.308	150.749	43.718	15.165	18.700	29.150			
Jun-2014	233.430	2.856	37.103	108.667	25.433	0.000	40.700	7.700			
Half Year Sub-total	1246.986	102.917	185.986	564.299	69.151	311.474	177.800	129.700			
Jul-2014	177.859	0.000	65.758	161.817	22.958	0.000	37.950	7.150			
Aug-2014	174.710	23.110	33.127	351.703	40.379	0.000	12.100	0.000			
Sep-2014	124.251	28.994	23.424	476.618	22.932	0.000	0.000	0.000			
Oct-2014	22.217	22.729	17.547	481.962	0.000	0.000	0.000	0.000			
Nov-2014	25.889	22.640	16.268	175.370	0.000	0.000	2.320	0.000			
Dec-2014	23.498	2.830	1.431	80.520	0.000	0.000	0.000	0.000			
Project Total Quantities	2006.951	205.728	363.001	2292.289	155.420	356.946	291.770	155.050			

Fields under review. These are good imported purchased material, not wastes generated from the site.



		Actual Quantities of <u>Non-inert</u> Construction Waste Generated Monthly								
Month	Metals		Paper/ cardboard packaging		Plastics (see Note 3)		Chemical Waste		Others, e.g. General Refuse disposed at Landfill	
	(in '0	00kg)	(in '(000kg)	(in '0	000kg)	(in '0	00kg)	(in '000ton)	
	generated	recycled	generated	recycled	generated	recycled	generated	Disposed	generated	
2013 Sub-total	0.000	0.000	0.380	0.380	0.000	0.000	0.000	0.000	0.172	
Jan-2014	0.000	0.000	0.130	0.130	0.000	0.000	0.000	0.000	0.045	
Feb-2014	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.028	
Mar-2014	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.036	
Apr-2014	0.000	0.000	0.160	0.160	0.000	0.000	0.000	0.000	0.026	
May-2014	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.042	
Jun-2014	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.030	0.030	
Half Year Sub-total	0.000	0.000	0.290	0.290	0.000	0.000	0.050	0.050	0.207	
Jul-2014	0.000	0.000	0.300	0.300	0.000	0.000	0.000	0.000	0.033	
Aug-2014	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.022	
Sep-2014	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.039	
Oct-2014	0.000	0.000	0.080	0.080	0.000	0.000	0.060	0.060	0.033	
Nov-2014	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	
Dec-2014	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.049	
Project Total Quantities	0.000	0.000	1.050	1.050	0.000	0.000	0.110	0.110	0.605	



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

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

Notes:

(1) The performance targets are given in the **ER Appendix 8J Clause 14** and the EM & A Manual(s).

(2) The waste flow table shall also include C&D materials to be imported for use at the Site.

(3) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material.

(4) The Contractor shall also submit the latest forecast of the total amount of C&D materials expected to be generated from the Works, together with a breakdown of the nature where the amount of C&D materials expected to be generated from the Works is equal to or exceeding 50,000 m³. (**ER Part 8 Clause 8.8.5** (d) (ii) refers).