

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

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

08 December 2014

Environmental Resources Management

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

Thirteenth Monthly Environmental Monitoring & Audit (*EM&A*) *Report*

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Environmental Resources Management

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Ref.: HYDHZMBEEM00 0 2530L.14

12 December 2014

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: Messers 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 November 2014 (EP-354/2009/B)

Reference is made to the Monthly Environmental Monitoring & Audit (EM&A) Report (for November 2014) certified by the ET Leader (ET's ref.: "0212330_13th Monthly EM&A_20141201doc" dated 8 December 2014) provided to us via e-mail on 10 December 2014.

We are pleased to inform you that we have no adverse comments on the captioned monthly EM&A report. We write to verify the captioned submission in accordance with Condition 4.4 of RP-354/2009/B.

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

Yours sincerely,

Harpfenbleng

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)

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EXECUTIVE SUMMARY

Under *Contract No. HY/2012/08*, Dragages – Bouygues Joint Venture (DBJV) is commissioned by the Highways Department (HyD) to undertake the design and construction of the Northern Connection Sub-sea Tunnel Section of the Tuen Mun – Chek Lap Kok Link Project (TM-CLK Link Project) while AECOM Asia Company Limited was appointed by HyD as the Supervising Officer. For implementation of the environmental monitoring and audit (EM&A) programme under the Contract, ERM-Hong Kong, Limited (ERM) has been appointed as the Environmental Team (ET) in accordance with *Environmental Permit No. EP-354/2009/A*. ENVIRON Hong Kong Ltd. was employed by HyD as the Independent Environmental Checker (IEC) and Environmental Permit (VEP) (*EP-354/2009/B*) was granted on 28 January 2014.

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

This is the Thirteenth Monthly EM&A report presenting the EM&A works carried out during the period from 1 to 30 November 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;
- Construction of Vertical Seawall and Sloping Seawall at Portion N-C; and
- Marine Sheet Piling for Box Culvert extension at Portion N-A.

Land-based Works

- Excavation for North Launching Shaft Reclamation Works Area Portion N-A
- Land Bored Piling Works at Reclamation Works Area Portion N-A;
- Surcharge set up at Reclamation Works Area Portion N-C;
- Construction of temporary access at Reclamation Works Area Portion N-A; and,
- Diaphragm Wall Construction at Reclamation Works Area Portion N-A.

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	12 sessions
Impact Dolphin Monitoring	2 sessions
Joint Environmental Site Inspection	4 sessions

Implementation of Marine Mammal Exclusion Zone

Daily marine mammal exclusion zone was in effect during the period of dredging, reclamation or marine sheet piling works in open waters under this Contract. Passive Acoustic Monitoring (PAM) was also implemented for the detection of marine mammal when dredging, reclamation or marine sheet piling works were carried out outside the daylight hours under this Contract. No sighting of the Indo-Pacific humpback dolphin *Sousa chinensis* (i.e. Chinese White Dolphin) was recorded in November 2014 during the exclusion zone monitoring.

On 10 November 2014, night time marine works was completed. On 20 November 2014, seawall (+2.5mPD) at Northern Landfall has been fully enclosed and marine sheet pile has also been completed. There would be no dredging, reclamation or marine sheet piling works in open waters at this stage. Thus, PAM and the day-time monitoring of Dolphin Exclusion Zone (DEZ) by dolphin observers were discontinued from 10 November 2014 and 20 November 2014 respectively.

Post Translocation Coral Monitoring

The First to Fourth Quarterly Post-Translocation Coral Monitoring has been completed and the results were detailed in the *First* to *Fourth Quarterly Post-Translocation Coral Monitoring Report*.

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.

Dolphin Monitoring

Whilst two Action Level exceedances and no Limit Level exceedances were observed for the quarterly dolphin monitoring data between September and November 2014, no unacceptable impact from the construction activities of the TM-CLKL Northern Connection Sub-sea Tunnel Section on Chinese White Dolphins was noticeable from general observations during the dolphin monitoring in this reporting month. Due to monthly variation in dolphin occurrence within the study area, it would be more appropriate to draw conclusion on whether any unacceptable impacts on dolphins have been detected related to the construction activities of the TM-CLKL Northern Connection Sub-sea Section in the quarterly EM&A reports, where comparison on distribution, group size and encounter rates of dolphins between the quarterly impact monitoring period and baseline monitoring period will be made.

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.

Two potential environmental complaint cases regarding to the dust emission by works area nearby the River Trade Terminal was referred by EPD on 12 November 2014. The interim report was submitted to EPD on 21 November 2014. The investigation findings showed that the cases were considered not related to the works under this Contract and is thus invalid.

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 December 2014 include the following:

Land-based Works

- Land Bored Piling Works at Reclamation Works Area Portion N-A;
- Construction of temporary access at Reclamation Works Area Portion N-A;
- Surcharge set up at Reclamation Works Area Portion N-C;
- Box Culvert Foundation at Reclamation Works Area Portion N-A;
- Bored Piling Works at Works Area N6;

- Diaphragm Wall Construction at Reclamation Works Area Portion N-A; and,
- Excavation for North Launching Shaft at Reclamation Works Area Portion N-A.

Future Key Issues

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

1.1 BACKGROUND

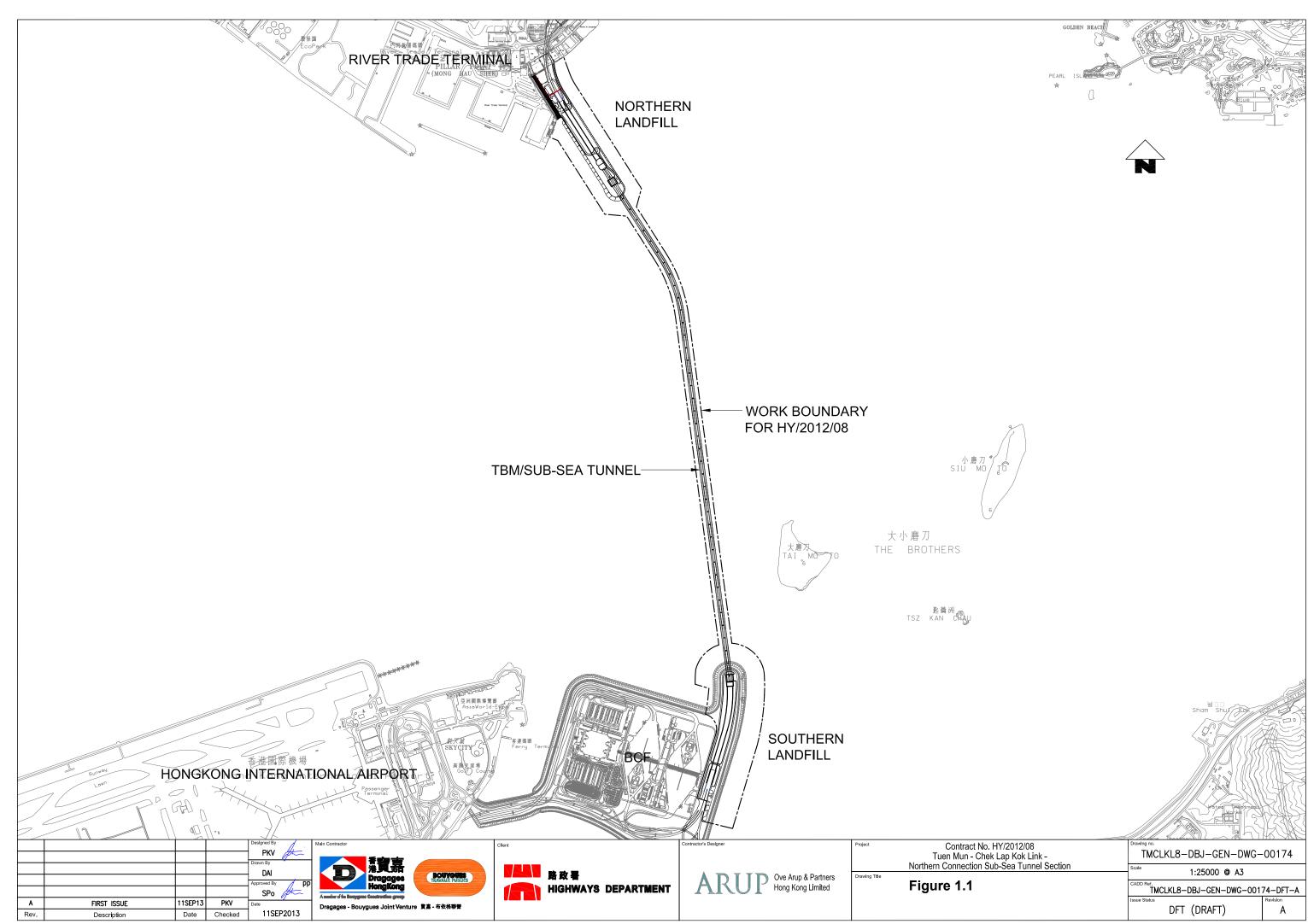
According to the findings of the Northwest New Territories (NWNT) Traffic and Infrastructure Review conducted by the Transport Department, Tuen Mun Road, Ting Kau Bridge, Lantau Link and North Lantau Highway would be operating beyond capacity after 2016. This forecast has been based on the estimated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

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

Layout of the Contract components is presented in Figure 1.1.

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



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1.2 SCOPE OF REPORT

This is the Thirteenth 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 November 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*.

Table 1.2Summary of Construction Activities Undertaken during the Reporting Period

Construction Activities Undertaken

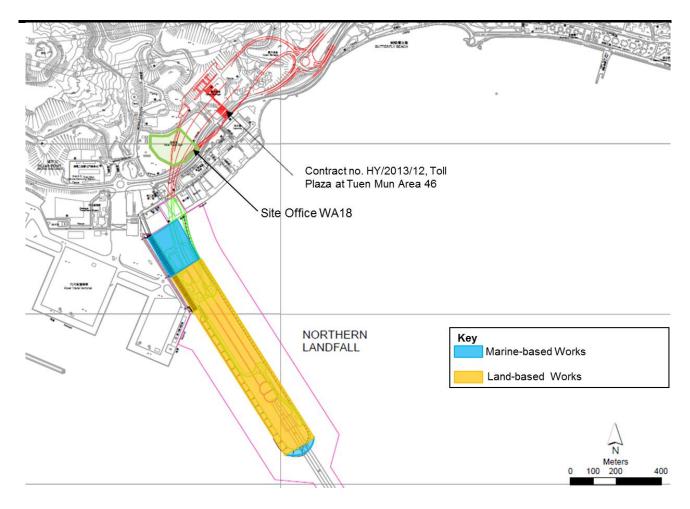
Marine-based Works

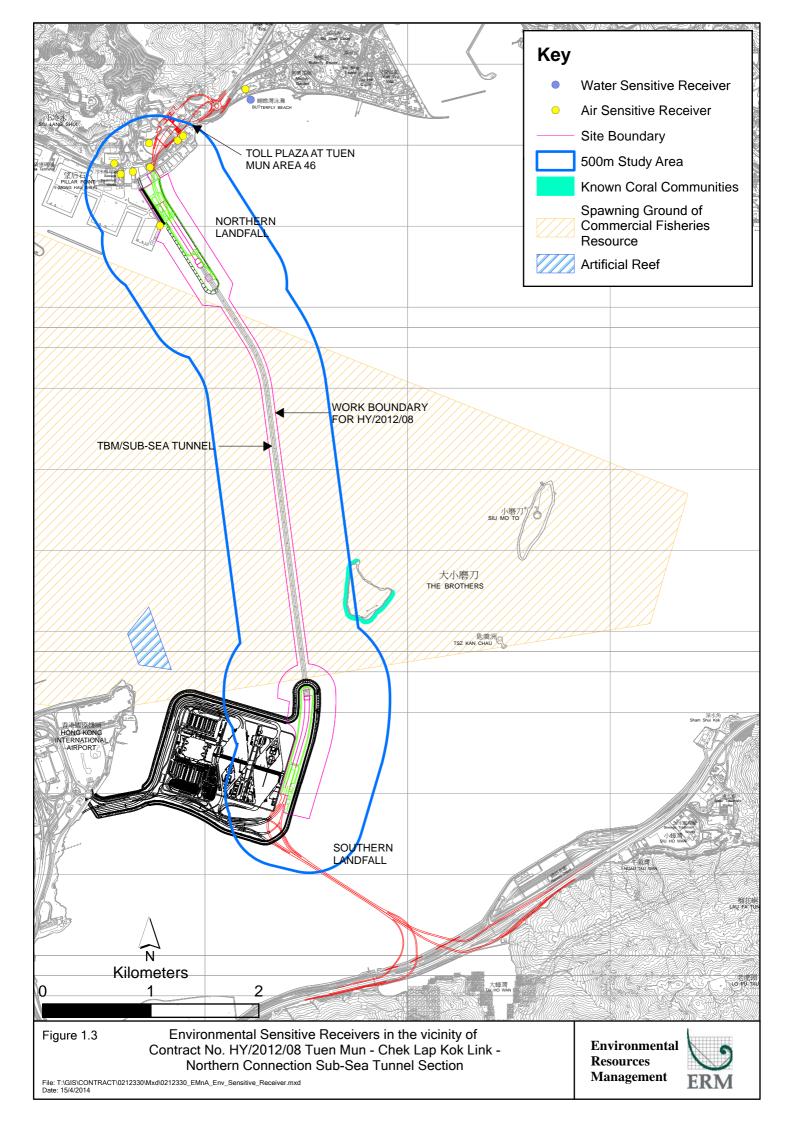
- Reclamation filling at Portion N-C;
- Construction of Vertical Seawall and Sloping Seawall at Portion N-C; and
- Marine Sheet Piling for Box Culvert extension at Portion N-A;

Land-based Works

- Excavation for North Launching Shaft at Portion N-A;
- Land Bored Piling Works at Reclamation Works Area Portion N-A;
- Surcharge set up at Reclamation Works Area Portion N-C;
- Construction of temporary access at Reclamation Works Area Portion N-A; and,
- Diaphragm Wall Construction at Reclamation Works Area Portion N-A.

Figure 1.2 Locations of Construction Activities –November 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

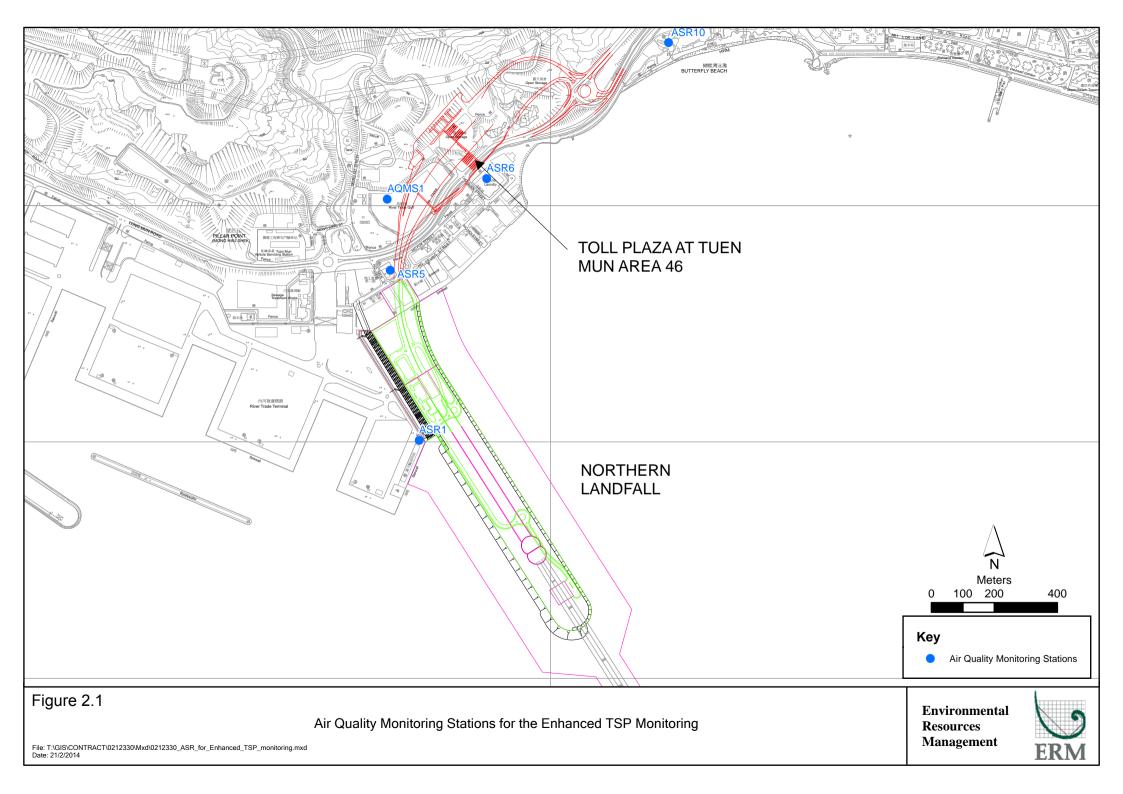
In accordance with the Updated EM&A Manual and the Enhanced TSP Monitoring Plan, impact 1-hour TSP monitoring was conducted three (3) times every six (6) days and impact 24-hour TSP monitoring was carried out once every six (6) days when the highest dust impact was expected. 1-hr and 24hr TSP monitoring 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 November 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*.

in this Repo	orting Period			
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
	Name have 2014			Deutinulates (1 hour TC

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

0	0		1	1 5
	2, 5, 8, 11, 14, 17, 20,	Tuen Mun	Office	TSP monitoring
	23, 26 and 29	Fireboat Station		1-hour Total Suspended
	November 2014			Particulates (1-hour TSP,
		Pillar Point Fire	Office	μ g/m ³), 3 times in every 6 days
		Station		• 24-hour Total Suspended
				Particulates (24-hour TSP,
		Previous River	Bare ground	μ g/m ³), daily for 24-hour in
		Trade Golf		every 6 days
				Enhanced TSP monitoring
		Butterfly Beach	Office	(commenced on 24 October 2014)
		Laundry		1-hour Total Suspended
		-		Particulates (1-hour TSP,
		Butterfly Beach	Recreational	μ g/m ³), 3 times in every 3 days
		Park	uses	• 24-hour Total Suspended
				Particulates (24-hour TSP,
				μ g/m ³), daily for 24-hour in
				every 3 days
		23, 26 and 29	23, 26 and 29 November 2014 Fireboat Station Pillar Point Fire Station Previous River Trade Golf Butterfly Beach Laundry Butterfly Beach	23, 26 and 29 November 2014Fireboat StationPillar Point Fire StationOffice Bare ground Trade GolfPrevious River Trade GolfBare ground Office Butterfly Beach Butterfly BeachOffice Recreational



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 November 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	196	87 - 404	331	500
ASR5	180	89 - 324	340	500
AQMS1	154	83 - 240	335	500
ASR6	145	63 - 243	338	500
ASR10	108	60 - 206	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	91	69 - 117	213	260
ASR5	94	74 - 110	238	260
AQMS1	91	72 - 112	213	260
ASR6	79	60 - 97	238	260
ASR10	72	60 - 92	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	Туре	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*.

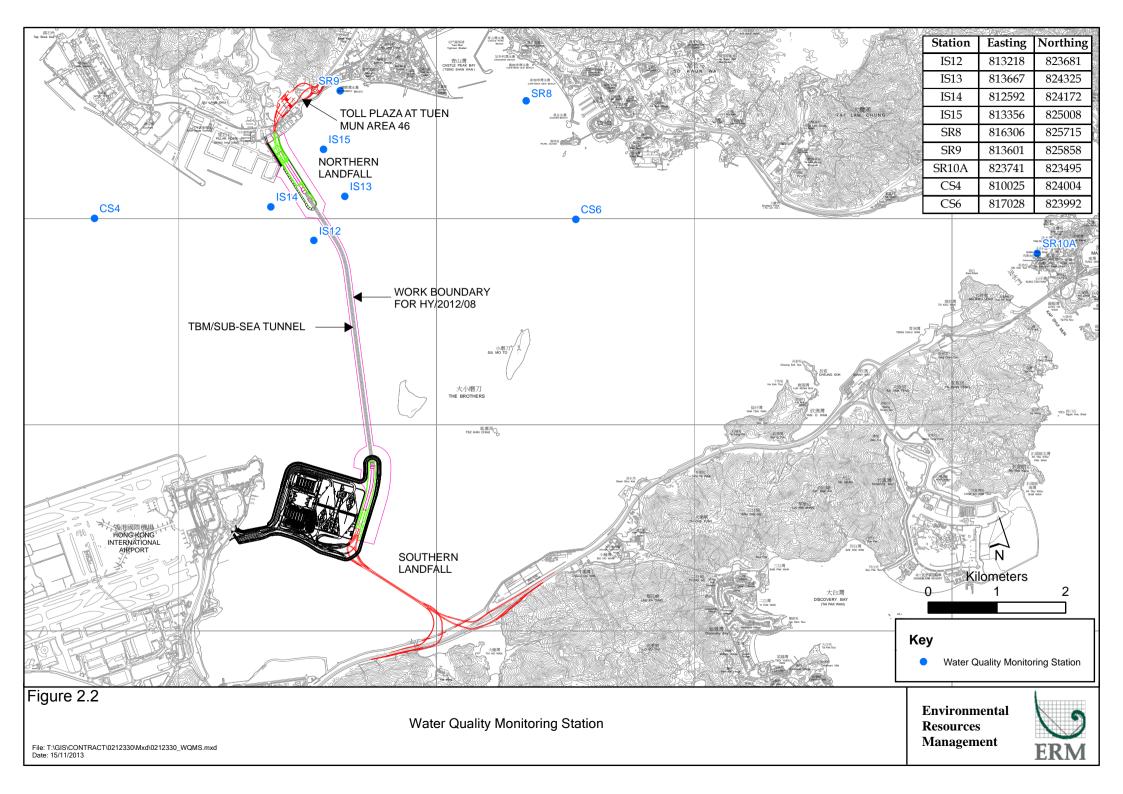


Table 2.6Water Quality Monitoring Equipment

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 November 2014 is provided in *Appendix F.*

2.2.4 Results and Observations

During this reporting period, major marine works included reclamation filling at Portion N-C. Reclamation filling was undertaken between the 200 m of leading seawalls using filling materials specified in the EP and the approved EIA Report with a single layer silt curtain being deployed as a precautionary measure to reduce dispersion of suspended solids. It is useful to note that heavy marine traffic (not associated with the Project) was commonly observed nearby the Project site and its vicinity. On 20 November 2014, seawall (+2.5mPD) at Northern Landfall has been fully enclosed and marine sheet pile has also been completed. There will be no dredging, reclamation or marine sheet piling works in open waters at this stage.

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

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

2.3 DOLPHIN MONITORING

2.3.1 Monitoring Requirements

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

Crossing Facilities on the monthly basis is adopted to avoid duplicates of survey effort.

2.3.2 Monitoring Equipment

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

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

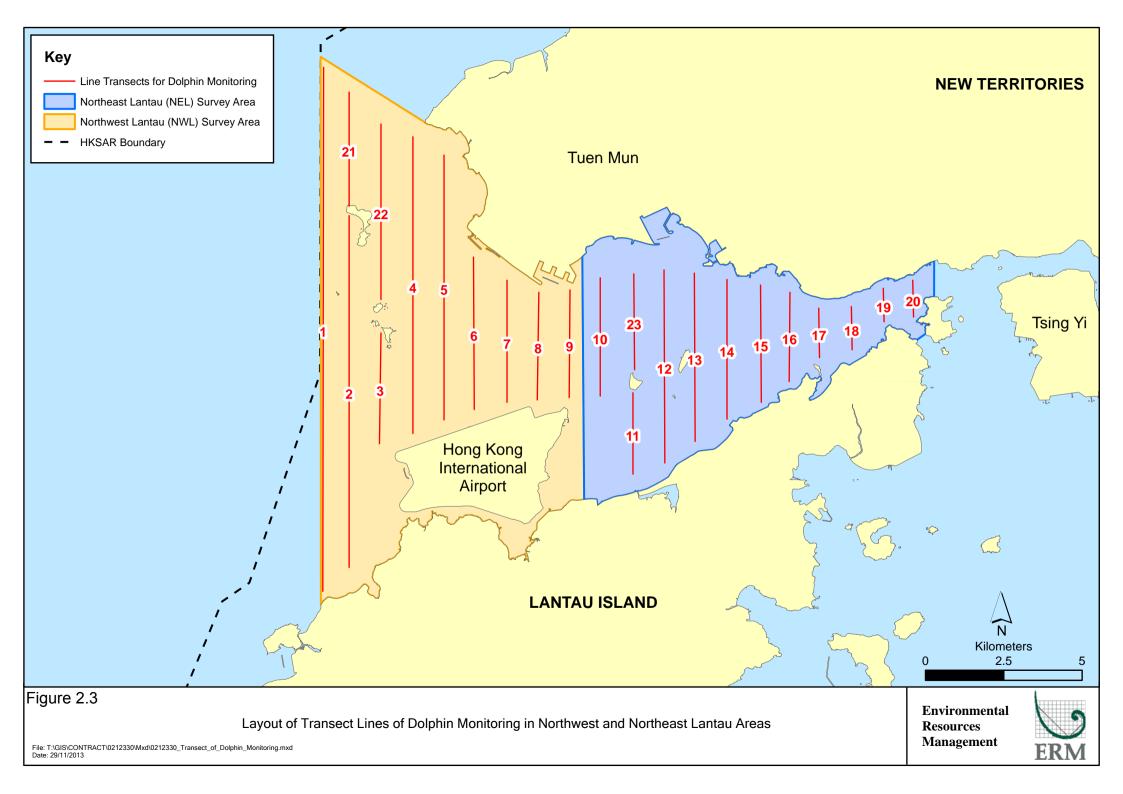
Table 2.7Dolphin Monitoring Equipment

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 4, 10, 12 and 18 November 2014. The dolphin monitoring schedule for the reporting month is shown in *Appendix F*.

2.3.7 Results & Observations

A total of 296.14 km of survey effort was collected, with 95.5% of the total survey effort being conducted under favourable weather conditions (ie Beaufort Sea State 3 or below with good visibility) in November 2014. Amongst the two areas, 112.81 km and 183.33 km of survey effort were collected from NEL and NWL survey areas, respectively. The total survey effort conducted on primary and secondary lines were 217.82 km and 78.32 km, respectively. The survey efforts are summarized in *Appendix J*.

A total of 6 groups of 29 Chinese White Dolphin sightings were recorded during the two sets of surveys in November 2014. All sighting were made in NWL during the two sets of surveys in November 2014, while no dolphin was sighted in NEL. All except one sighting was made on primary lines during on-effort search, and none of the dolphin groups was associated with operating fishing vessel.

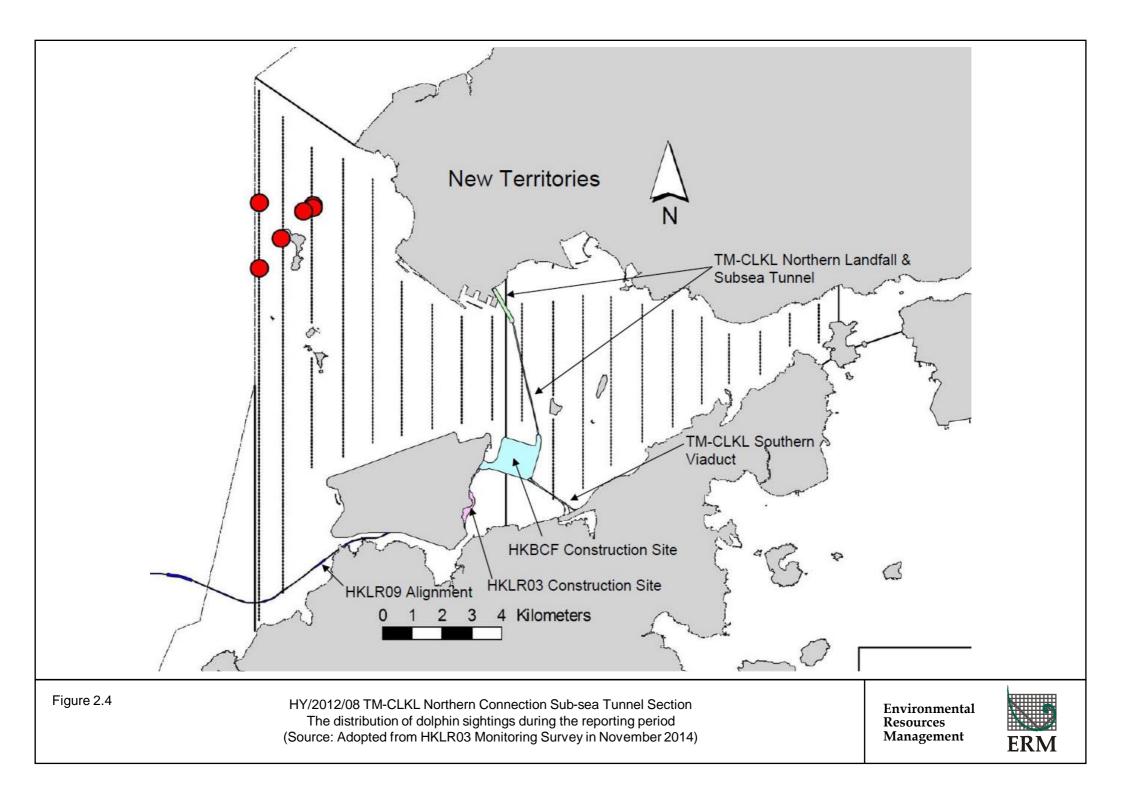
None of the sightings was made in the vicinity of the TM-CLKL Northern Connection Sub-sea Tunnel Section. The distribution of dolphin sightings during the reporting month is shown in *Figure 2.4*.

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

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** Set 1: November 4th/10th 0.0 0.0 NEL Set 2: November 12th/18th 0.0 0.0 Set 1: November 4th/10th 24.5 4.6 NWL Set 2: November 12th/18th 2.8 8.5

Table 2.9Individual Survey Event Encounter Rates

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



	(no. of on-ef	rate (STG) fort dolphin)0 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	3.7	2.9	16.2	12.8	

Note: Overall dolphin encounter rates (sightings per 100 km of survey effort) from all four surveys are conducted in November 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 November 2014 was 4.8 individuals per group. Four of the 6 dolphin groups were composed of 1-4 animals, while two larger dolphin groups with 7 and 13 animals were sighted.

Whilst two Action Level exceedances (one Action Level exceedance for Northeast Lantau social cluster; one Action Level exceedance for Northwest Lantau social cluster) and no Limit Level exceedances were observed for the quarterly dolphin monitoring data between September and November 2014, no unacceptable impact from the construction activities of the TM-CLKL Northern Connection Sub-sea Tunnel Section on Chinese White Dolphins was noticeable from general observations during the dolphin monitoring in this reporting month.

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

2.3.8 Implementation of Marine Mammal Exclusion Zone

Daily marine mammal exclusion zone was in effect during the period of dredging, reclamation or marine sheet piling works in open waters under this Contract. Passive Acoustic Monitoring (PAM) was also implemented for the detection of marine mammal when dredging, reclamation or marine sheet piling works were carried out outside the daylight hours under this Contract. No sighting of the Indo-Pacific humpback dolphin *Sousa chinensis* (i.e. Chinese White Dolphin) was recorded in November 2014 during the exclusion zone monitoring.

On 10 November 2014, night time marine works was completed. On 20 November 2014, seawall (+2.5mPD) at Northern Landfall has been fully enclosed and marine sheet pile has also been completed. There would be no dredging, reclamation or marine sheet piling works in open waters at this stage. Thus, PAM and the day-time monitoring of Dolphin Exclusion Zone (DEZ) by dolphin observers were discontinued from 10 November 2014 and 20 November 2014, respectively.

2.4 POST-TRANSLOCATION CORAL MONITORING

The First to Fourth Quarterly Post-Translocation Coral Monitoring have been completed and the results were detailed in the *First to Fourth Quarterly Post-Translocation Coral Monitoring Report*. The findings indicated that the Action or Limit Levels for coral monitoring were not exceeded as increase in percentage of partial mortality was not detected for both the tagged translocated and natural coral colonies when comparing to the pre-translocation dataset.

2.5 EM&A SITE INSPECTION

Site inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures under the Contract. In the reporting month, four (4) site inspections were carried out on 5, 12, 19 and 26 November 2014.

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

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

Inspection Date	Observations	Recommendations/ Remarks
5 November 2014	 Reclamation Works Area - Portion N-A Accumulated general refuse was observed. Oil drum without chemical labels was observed. Reclamation Works Area - Portion N-C Inappropriate chemical container for oil was observed. 	 Reclamation Works Area - Portion N-A The Contractor was reminded to clear general refuse regularly. The Contractor was reminded to provide chemical labels to the oil drum. Reclamation Works Area - Portion N-C The Contractor was reminded to provide proper chemical containers.
12 November 2014	Reclamation Works Area - Portion N-CExcess muddy water was observed.	Reclamation Works Area - Portion N-CThe Contractor was reminded to remove the excess muddy water.
19 November 2014	 Reclamation Works Area - Portion N-C Chemical containers without drip tray were observed. Chemical containers should be placed inside the drip tray. 	 Reclamation Works Area - Portion N-C The Contractor was reminded to provide drip tray for the chemical containers. The Contractor was reminded to place the Chemical container inside the drip tray.
26 November 2014	Reclamation Works Area - Portion N-AGeneral refuse was observed near the seawall.	Reclamation Works Area - Portion N-AThe Contractor was reminded to clear the general refuse.

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

2.6 WASTE MANAGEMENT STATUS

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

Wastes generated during this reporting period include mainly construction wastes (inert and non-inert), imported fill and marine sediments (Category L). 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*.

Month/Year	Inert Construction	Imported Fill (tonnes)	Inert Construction	Non-inert Construction	Recyclable Materials ^(c)	Chemical Wastes	Marine Sediment (m ³)	
	Waste ^(a) (tonnes)		Waste Re- used (tonnes)	Waste ^(b) (tonnes)	(kg)	(kg)	Category L	Category M (M _p & M _f)
November 2014	595	240,167	0	50	0	0	2,320	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.

2.7 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/B	28 January 2014	Throughout the Contract	HyD	Application for VEP on 20 January 2014 to replace EP-354/2009/A
Construction Dust Notification	363510	19 August 2013	Throughout the Contract	DBJV	-
Chemical Waste Registration	5213-422-D2516-01	10 September 2013	Throughout the Contract	DBJV	-
Construction Waste Disposal Account	7018108	19 August 2013	Throughout the Contract	DBJV	Waste disposal in Contract No. HY/2012/08
Waste Water Discharge License	WT00017707-2013	18 November 2013	30 November 2018	DBJV	For site WA18
Waste Water Discharge License	WT00018433-2014	5 June 2014	30 June 2019	DBJV	For site Portion N6 and Reclamation Area E
Construction Noise Permit	GW-RS0362-14	11 May 2014	10 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-RW0674-14	18 September 2014	17 March 2015	DBJV	For GI Works at Southern Landfall
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

2.8 IMPLEMENTATION STATUS OF ENVIRONMENTAL MITIGATION MEASURES

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

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

2.9 SUMMARY OF EXCEEDANCES OF THE ENVIRONMENTAL QUALITY PERFORMANCE LIMIT

Two Action level exceedances of 1-hr TSP was recorded on 14 November 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.

Two Action Level exceedances and no Limit Level exceedances were recorded for the quarterly dolphin monitoring data between September 2014 and November 2014. The observed exceedances will be further investigated in the *Fourth Quarterly EM&A Report* for September 2014 to November 2014.

Cumulative statistics are provided in *Appendix L*.

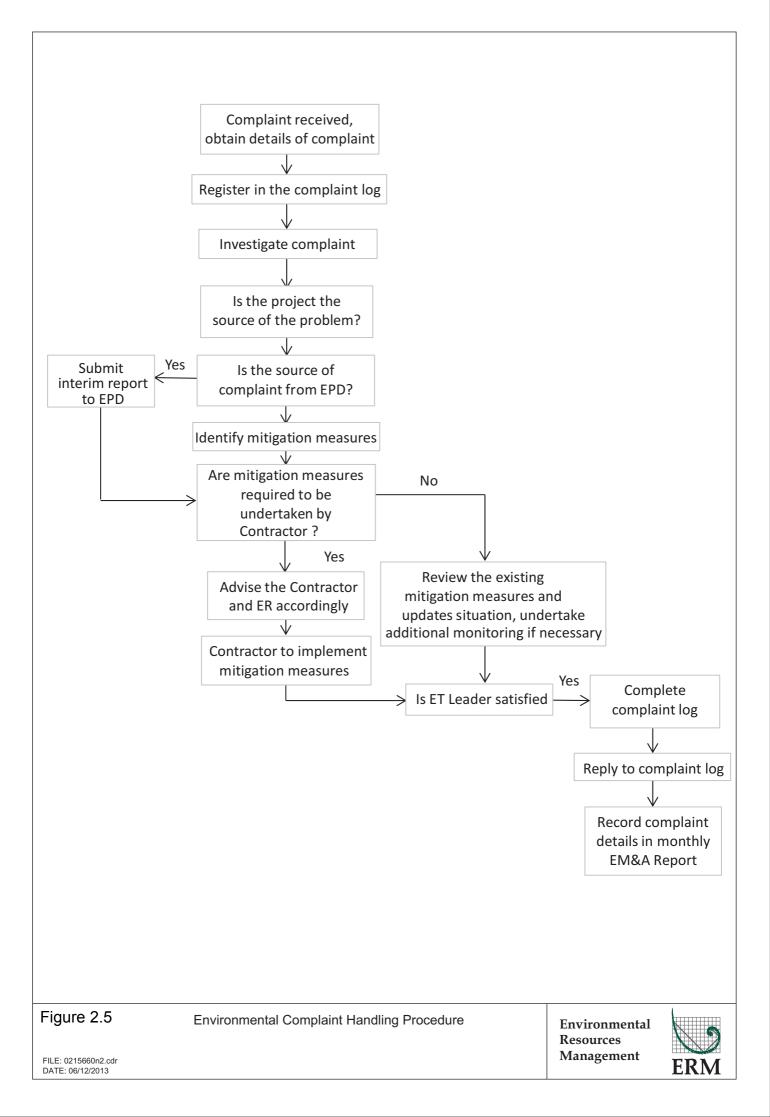
2.10 SUMMARY OF COMPLAINTS, NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTIONS

The Environmental Complaint Handling Procedure is provided in Figure 2.5.

Two potential environmental complaint cases regarding to the dust emission by works area nearby the River Trade Terminal was referred by EPD on 12 November 2014. The interim report was submitted to EPD on 21 November 2014. The interim findings showed that the cases were considered not related to the works under this Contract and is thus invalid. The complete investigation findings are provided in *Appendix L* ⁽¹⁾.

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

⁽¹⁾ One potential environmental complaint case regarding to the noise generated by derrick light nearby Melody Garden was referred by EPD on 29 October 2014 and reported in the *Twelfth EM&A Monthly Report*. The complete investigation findings are provided in *Appendix L* in this EM&A Monthly Report.



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 December 2014 are summarized in *Table 3.1*.

Table 3.1Construction Works to Be Undertaken in the Coming Month

Works to be undertaken					
Lan	d-based Works				
•	Land Bored Piling Works at Reclamation Works Area - Portion N-A;				
•	Construction of temporary access at Reclamation Works Area - Portion N-A;				
•	Surcharge set up at Reclamation Works Area - Portion N-C;				
•	Box Culvert Foundation Works at Reclamation Works Area - Portion N-A;				
•	Bored Piling Works at Works Area – N6;				

- Diaphragm Wall Construction at Reclamation Works Area Portion N-A; and,
- Excavation for North Launching Shaft at Reclamation 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 December 2014 are mainly associated with dust, marine water quality, marine ecology and waste management issues.

3.3 MONITORING SCHEDULE FOR THE COMING MONTH

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

4.1 CONCLUSIONS

This Thirteenth Monthly EM&A Report presents the findings of the EM&A activities undertaken during the period from 1 to 30 November 2014, in accordance with the Updated EM&A Manual and the requirements of EP-354/2009/B.

Air quality (including 1-hour TSP and 24-hour TSP), water quality and dolphin monitoring were carried out in this reporting month. No Action Level or Limit Level exceedances were recorded in the water quality monitoring of this reporting month. Two (2) Action Level exceedances of 1-hr 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 and the proper deployment of silt curtains during the period of marine works under this Contract.

A total of six (6) groups of twenty-nine (29) Chinese White Dolphin sightings were recorded during the two sets of surveys in November 2014. All sighting were made in NWL during the two sets of surveys in November 2014, while no dolphin was sighted in NEL. All except one sighting was made on primary lines during on-effort search, and none of the dolphin groups was associated with operating fishing vessel. Whilst two Action Level exceedances (one Action Level exceedance for Northeast Lantau social cluster; one Action Level exceedance for Northwest Lantau social cluster) and no Limit Level exceedances were observed for the quarterly dolphin monitoring data between September and November 2014, 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 four (4) times in November 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.

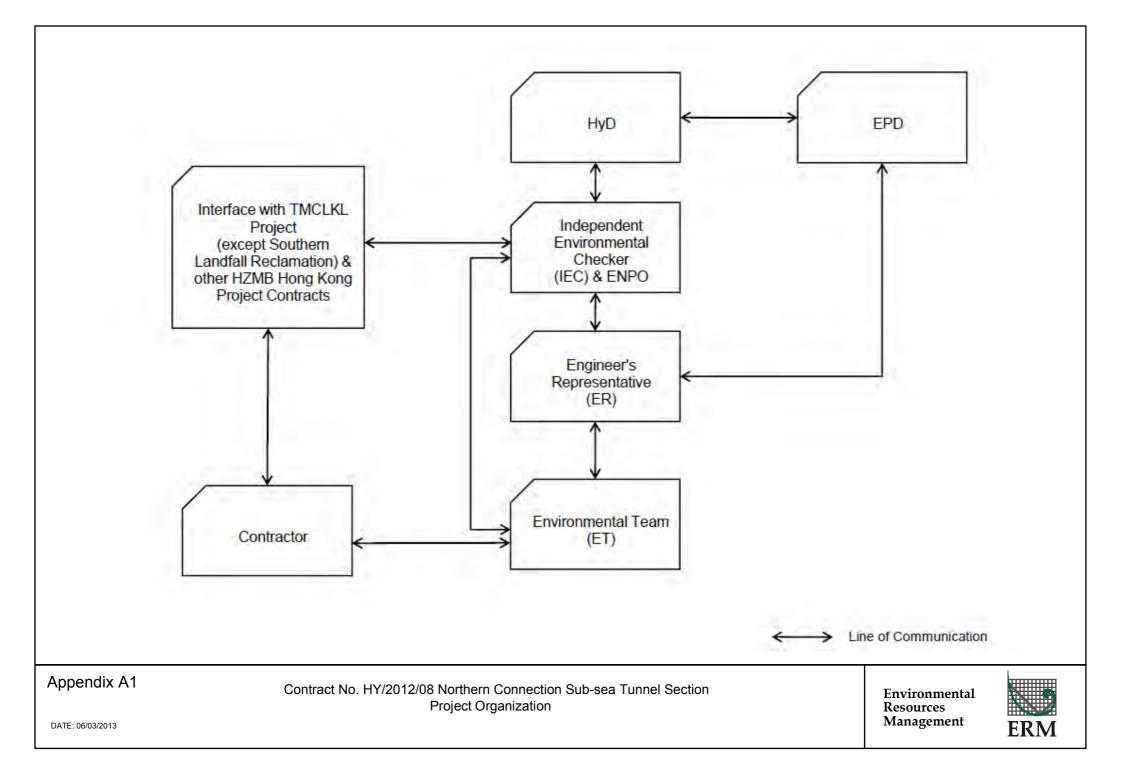
Two potential environmental complaint cases were referred by EPD on 12 November 2014. The investigation findings showed that the case was considered not related to the works under this Contract and is thus invalid.

4

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

	ctivity ID	Activity Name	Orig	Planned	Planned	Current Start	Current	14W47	0014 0015
			Dur	Start	Finish		Finish	% Comp	
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			0		28-Jun-14		17-Nov-14	0%	plementary WMP of C&C Tunnel at Strmandfall
State Product State B									
		· · ·	28	26-Jul-14	22-Aug-14	08-Sep-14A	13-Nov-14A	100%	IPs/ SO's Advance Comments/ ICE Comments
Image: Control in the contro	DD68320	Comments Received	0		22-Aug-14		13-Nov-14A	100%	
	DD68330	Designer to Reply RtC + Update Submission	21	23-Aug-14	17-Sep-14	14-Nov-14A	04-Dec-14	38%	Designer to Reply RtC + Update Submission
Num Control Co	DD68340	Submit Updated DDA to SO/ ICE/ IPs	0	18-Sep-14		05-Dec-14		0%	Submit Updater DDAto SO/ ICE/ IPs
	DD68350	ICEApproval & Issue Check Cert	12	18-Sep-14	03-Oct-14	03-Sep-14A	06-Dec-14	83%	ICEApproval & Issue Check Cert
	DD68360	Submit ICE Check Cert to SO	6	04-Oct-14	10-Oct-14	08-Dec-14	13-Dec-14	0%	Submit ICE Check Cert to SO
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Page 1 of 17 Project ID: TMCLK_DWPB 14W45-3 Data Date: 17-Nov-14 Planned Bar Progress bar ◆ Progress Milestone Progress Mile			tension						
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Progress as of 17-Nov-14				Pro	ogress as of	17-Nov-14			

Activity ID		Activity Name	Orig Dur	Planned Start	Planned Finish	Current Start	Current Finish	14W47 % Comp	2014 2015
	24000					47.No. 44		<u> </u>	I Aug Sep Oct Nov Dec Jan Feb Mar Apr Va
		Preparation Method Statement for Culvert Extension Submit Method Statement to SO	25 0	24-Jun-14	23-Jul-14 	17-Nov-14	15-Dec-14 15-Dec-14	0%	Preparation Method Statement for Culvert Extension
		Source verses & Comments	28	24-Jul-14	23-Jui-14 20-Aug-14	16-Dec-14	12-Jan-15	0%	Submit Method Statement to SD SO Reviews & Comments
		Re-submission	18	21-Aug-14	11-Sep-14	13-Jan-15	02-Feb-15	0%	Rejsubmission
		SO's Review	28	12-Sep-14	09-Oct-14	03-Feb-15	02-Mar-15	0%	SO's Review
MS1	S1850	SO's Approval	0		09-Oct-14		02-Mar-15	0%	SO's Approval
Cons	nstructio	on							
	lestones				-				
NRC	RC13160	Completion of Zone D1 Reclamation up to +14.5mPD	0		18-Oct-14		31-Oct-14A	100%	Completion of Zone D1 Reclamation up to +14.5mPD
NRC	RC13180	Completion of Zone D2 Reclamation up tp +14.5mPD	0		11-Nov-14		19-Nov-14A	100%	Completion of Zone D2 Reclamation up tp +14.5m PD
NRC	RC13200	Completion of Zone C1 Reclamation up tp +10mPD	0		14-Oct-14		23-Oct-14A	100%	Completion of Zone C1 Reclamation up tp + 10mPD
NRC	RC13210	Completion of Zone C2 Reclamation up to +10mPD	0		17-Sep-14		06-Jan-15A	100%	Oompletion of Zone O2 Reclamation up to + 10m PD
NRC	RC13230	Completion of Zone B Reclamation up to +6mPD	0		01-Aug-14		26-Sep-14A	100%	Completion of Zone B Reclamation up to +6mPD
NRC	RC13240	Completion of Zone A1 Reclamation up to +10mPD	0		21-Oct-14		23-Jan-15	0%	Completion of Zone A1 Reclamation up to + 10mPD
NRC	RC13250	Completion of Zone A2 Reclamation up to +10mPD (TBC)	0		10-Nov-14		12-Feb-15	0%	Completion of Zone A2 Reclamation up to + 10m PD (TBC
	ne E								
	ertical S			00 March 4				1000/	
		VS - Mass Concrete Coping - Zone E - (CH0 to 50) VS - Mass Concrete Coping - Zone E - (CH50 to 100)	8	02-May-14 13-May-14	12-May-14 21-May-14	21-Jul-14A 23-Jul-14A	14-Nov-14A 03-Nov-14A	100%	e Coping - Zone E - (CH0 to 50)
		VS - Mass Concrete Coping - Zone E - (CH100 to 100)	8	22-May-14	30-May-14	09-Jul-14A	12-Nov-14A	100%	rete Coping - Zone E - (CH50 to 100) norcete Coping - Zone E - (CH <u>100 to 166</u>)
		VS - Mass Concrete Coping - Zone E - (CH150 to 205)	11	31-May-14	13-Jun-14	16-Jul-14A	20-Nov-14	80%	s Concrete Coping - Zone E - (CH 100 - 100
	ne D1			••••••••••••••••••••••••••••••••••••••					
	ertical S	eawall							
		VS - Mass Concrete Coping - Zone D1 - (CH205 to 255)	15	02-May-14	20-May-14	17-Nov-14*	03-Dec-14	0%	rete Coping - Zone D1 - (CH205 to 255)
NR	NRC11790	VS - Mass Concrete Coping - Zone D1 - (CH255 to 305)	8	21-May-14	29-May-14	04-Dec-14	12-Dec-14	0%	increte Coping - Zone D t - (CH255 to 305)
NR	NRC11860	VS - Mass Concrete Coping - Zone D1 - (CH305 to 355)	8	30-May-14	09-Jun-14	13-Dec-14	22-Dec-14	0%	Concrete Coping - Zone D1 - (CH305 to 355)
Slo	loping S	eawall							
NR	IRC120208	VS - Berm Stone - Zone D1 - RTT	2	20-Jun-14	21-Jun-14	17-Nov-14	18-Nov-14	0%	Berm Stone - Zone D1 - RTT
NR	NRC120209	VS - Mass Concrete Coping - Zone D1 - RTT	4	26-Apr-14	02-May-14	12-Aug-14A	17-Nov-14	80%	pping - Zone D1 - RTT
NR	NRC14070	SS - Armour Rock - Zone D1 - (CH255 to 305)	4	03-Jan-14	07-Jan-14	17-Nov-14	20-Nov-14	0%	
		SS - Armour Rock - Zone D1 - (CH305 to 355)	4	08-Jan-14	11-Jan-14	21-Nov-14	25-Nov-14	0%	
		SS - Mass Concrete Coping - Zone D1 - (CH255 to 305)	7	02-May-14	10-May-14	12-Sep-14A	23-Sep-14A	100%	Coping - Zone D1 - (CH 253 to 303)
NR	NRC14130	SS - Mass Concrete Coping - Zone D1 - (CH305 to 355)	7	12-May-14	19-May-14	24-Sep-14A	03-Oct-14A	100%	ete Çoping - Zone D1 - (ÇH305 to \$55)
	eclamat		- 10					(00)	
		Public Fill - Zone D1 - (CH205 to 255) to +14.5mPD Public Fill - Zone D1 - (CH255 to 305) to +14.5mPD	12	06-Sep-14 22-Sep-14	20-Sep-14 06-Oct-14	02-Oct-14A 04-Oct-14A	16-Oct-14A 17-Oct-14A	100%	Public Fill - Zore D1 - (CH205 to 255) to +14.5mPD
		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 D1 - (CH255 to 305) to +14;5mPD Public Fill Zone D1 + (CH305 to 355) to +14.5mPD
		Surcharge Period - Zone D1 - (CH205 to 255)	180	21-Sep-14	19-Mar-15	17-Oct-14A	11-Apr-15	21%	Surcharge Per
		Surcharge Period - Zone D1 - (CH255 to 305)	180	07-Oct-14	04-Apr-15	18-Oct-14A	11-Apr-15	21%	Surcharg
NR	IRC15190	Surcharge Period - Zone D1 - (CH305 to 355)	180	19-Oct-14	16-Apr-15	01-Nov-14A	21-Apr-15	16%	Sµrcl
Zon	ne D2							<u> </u>	
	ertical S	eawall							
NR	NRC11930	VS - Mass Concrete Coping - Zone D2 - (CH355 to 405)	8	12-May-14	21-May-14	17-Nov-14	25-Nov-14	0%	ete Coping - Zone D2 - (CH355 to 405)
NR	NRC11980	VS - Mass Concrete Coping - Zone D2 - (CH405 to 443)	8	23-May-14	03-Jun-14	26-Nov-14	04-Dec-14	0%	Concrete Coping - Zone D2 - (CH405 to 443)
Slo		eawall							
	loping S								
NR		SS - Armour Rock - Zone D2 - (CH355 to 405)	4	13-Jan-14	16-Jan-14	26-Nov-14	29-Nov-14	0%	
	NRC14090		4	13-Jan-14 17-Jan-14	16-Jan-14 21-Jan-14	26-Nov-14 01-Dec-14	29-Nov-14 04-Dec-14	0%	
NR NR	NRC14090 NRC14100 NRC14140	SS - Armour Rock - Zone D2 - (CH355 to 405) SS - Armour Rock - Zone D2 - (CH405 to 443) SS - Mass Concrete Coping - Zone D2 - (CH355 to 405)	4 7	17-Jan-14 20-May-14	21-Jan-14 27-May-14	01-Dec-14 18-Oct-14A	04-Dec-14 20-Oct-14A	0%	norete Coping - Zone D2 - (CH335 to 496)
	NRC14090 NRC14100 NRC14140 NRC14150	SS - Armour Rock - Zone D2 - (CH355 to 405) SS - Armour Rock - Zone D2 - (CH405 to 443) SS - Mass Concrete Coping - Zone D2 - (CH355 to 405) SS - Mass Concrete Coping - Zone D2 - (CH405 to 443)	4	17-Jan-14	21-Jan-14	01-Dec-14	04-Dec-14	0%	ncrete Coping - Zone D2 - (CH 335 to 486) Concrete Coping - Zone D2 - (CH405 to 443)
NR NR NR	NRC14090 NRC14100 NRC14140 NRC14150 eclamat	SS - Armour Rock - Zone D2 - (CH355 to 405) SS - Armour Rock - Zone D2 - (CH405 to 443) SS - Mass Concrete Coping - Zone D2 - (CH355 to 405) SS - Mass Concrete Coping - Zone D2 - (CH405 to 443) ion	4 7 7	17-Jan-14 20-May-14 28-May-14	21-Jan-14 27-May-14 05-Jun-14	01-Dec-14 18-Oct-14A 20-Oct-14A	04-Dec-14 20-Oct-14A 23-Oct-14A	0% 100% 100%	Concrete Coping - Zone D2 - (CH405 to 443)
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NR NR Ret NR	NRC14090 NRC14100 NRC14140 NRC14150 eclamat NRC13630 NRC13640	SS - Armour Rock - Zone D2 - (CH355 to 405) SS - Armour Rock - Zone D2 - (CH405 to 443) SS - Mass Concrete Coping - Zone D2 - (CH355 to 405) SS - Mass Concrete Coping - Zone D2 - (CH405 to 443) ion Public Fill - Zone D2 - (CH405 to 443) to +14.5m PD Public Fill - Zone D2 - (CH405 to 443) to +14.5m PD	4 7 7	17-Jan-14 20-May-14 28-May-14	21-Jan-14 27-May-14 05-Jun-14 31-Oct-14 11-Nov-14	01-Dec-14 18-Oct-14A 20-Oct-14A	04-Dec-14 20-Oct-14A 23-Oct-14A	0% 100% 100%	Concrete Coping - Zone D2 - (CH405 to 443) Public Fill - Zone D2 - (CH355 to 405) to +14.5m PD Public Fill - Zone D2 - (CH405 to 443) to +14.5m PD
NR NR NR NR NR NR	IRC14090 IRC14100 IRC14140 IRC14150 eClamat IRC13630 IRC13640 IRC15210	SS - Armour Rock - Zone D2 - (CH355 to 405) SS - Armour Rock - Zone D2 - (CH405 to 443) SS - Mass Concrete Coping - Zone D2 - (CH355 to 405) SS - Mass Concrete Coping - Zone D2 - (CH405 to 443) ion Public Fill - Zone D2 - (CH355 to 405) to +14.5mPD	4 7 7 11 9	17-Jan-14 20-May-14 28-May-14 20-Oct-14 01-Nov-14	21-Jan-14 27-May-14 05-Jun-14 31-Oct-14	01-Dec-14 18-Oct-14A 20-Oct-14A 02-Nov-14A 10-Nov-14A	04-Dec-14 20-Oct-14A 23-Oct-14A 08-Nov-14A 19-Nov-14A	0% 100% 100% 100%	Concrete Coping - Zone D2 - (CH405 to 443) Public Fill - Zone D2 - (CH355 to 405) to +14.5mPD
NR NR Ret NR NR NR NR	IRC14090 IRC14100 IRC14140 IRC14150 eClamat IRC13630 IRC13640 IRC15210	SS - Armour Rock - Zone D2 - (CH355 to 405) SS - Armour Rock - Zone D2 - (CH405 to 443) SS - Mass Concrete Coping - Zone D2 - (CH355 to 405) SS - Mass Concrete Coping - Zone D2 - (CH405 to 443) ion Public Fill - Zone D2 - (CH355 to 405) to +14.5mPD Public Fill - Zone D2 - (CH405 to 443) to +14.5mPD Surcharge Period - Zone D2 - (CH355 to 405)	4 7 7 11 9 180	17-Jan-14 20-May-14 28-May-14 20-Oct-14 01-Nov-14 01-Nov-14	21-Jan-14 27-May-14 05-Jun-14 31-Oct-14 11-Nov-14 29-Apr-15	01-Dec-14 18-Oct-14A 20-Oct-14A 02-Nov-14A 10-Nov-14A 09-Nov-14A	04-Dec-14 20-Oct-14A 23-Oct-14A 08-Nov-14A 19-Nov-14A 05-May-15	0% 100% 100% 100% 100% 8%	Concrete Coping - Zone D2 - (CH405 to 443) Public Fill - Zone D2 - (CH355 to 405) to + 14.5mPD Public Fill - Zone D2 - (CH405 to 443) to + 14.5mPD
NR NR NR NR NR NR NR NR NR NR NR	IRC14090 IRC14100 IRC14140 IRC14150 eclamat IRC13630 IRC13640 IRC15210 IRC15230	SS - Armour Rock - Zone D2 - (CH355 to 405) SS - Armour Rock - Zone D2 - (CH405 to 443) SS - Mass Concrete Coping - Zone D2 - (CH355 to 405) SS - Mass Concrete Coping - Zone D2 - (CH405 to 443) ion Public Fill - Zone D2 - (CH355 to 405) to +14.5m PD Public Fill - Zone D2 - (CH405 to 443) to +14.5m PD Surcharge Period - Zone D2 - (CH355 to 405) Surcharge Period - Zone D2 - (CH405 to 443)	4 7 7 11 9 180	17-Jan-14 20-May-14 28-May-14 20-Oct-14 01-Nov-14 01-Nov-14	21-Jan-14 27-May-14 05-Jun-14 31-Oct-14 11-Nov-14 29-Apr-15	01-Dec-14 18-Oct-14A 20-Oct-14A 02-Nov-14A 10-Nov-14A 09-Nov-14A	04-Dec-14 20-Oct-14A 23-Oct-14A 08-Nov-14A 19-Nov-14A 05-May-15	0% 100% 100% 100% 100% 8%	Concrete Coping - Zone D2 - (CH405 to 443) Public Fill - Zone D2 - (CH355 to 405) to + 14.5mPD Public Fill - Zone D2 - (CH405 to 443) to + 14.5mPD
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NR NR NR NR NR NR NR NR NR NR NR NR	IRC14090 IRC14100 IRC14140 IRC14150 eclamat IRC13630 IRC13640 IRC13640 IRC15230 ne C1 ertical S IRC14680	SS - Armour Rock - Zone D2 - (CH355 to 405) SS - Armour Rock - Zone D2 - (CH405 to 443) SS - Mass Concrete Coping - Zone D2 - (CH355 to 405) SS - Mass Concrete Coping - Zone D2 - (CH405 to 443) ion Public Fill - Zone D2 - (CH355 to 405) to +14.5m PD Public Fill - Zone D2 - (CH405 to 443) to +14.5m PD Surcharge Period - Zone D2 - (CH405 to 443) Surcharge Period - Zone D2 - (CH405 to 443)	4 7 7 11 9 180 180	17-Jan-14 20-May-14 28-May-14 20-Oct-14 01-Nov-14 01-Nov-14 12-Nov-14	21-Jan-14 27-May-14 05-Jun-14 31-Oct-14 11-Nov-14 29-Apr-15 10-May-15	01-Dec-14 18-Oct-14A 20-Oct-14A 02-Nov-14A 10-Nov-14A 09-Nov-14A 19-Nov-14A	04-Dec-14 20-Oct-14A 23-Oct-14A 08-Nov-14A 19-Nov-14A 05-May-15 16-May-15	0% 100% 100% 100% 100% 8% 2%	Concrete Coping - Zone D2 - (CH405 to 443) Public Fill - Zone D2 - (CH355 to 405) to +14.5mPD Public Fill - Zone D2 - (CH405 to 443) to +14.5mPD
NR NR NR NR NR NR NR NR NR NR NR NR	IRC14090 IRC14100 IRC14140 IRC14150 eclamat IRC13630 IRC13640 IRC15210 IRC15210 IRC15230 ne C1 IRC14680 IRC14680 IRC14700	SS - Armour Rock - Zone D2 - (CH355 to 405) SS - Armour Rock - Zone D2 - (CH405 to 443) SS - Mass Concrete Coping - Zone D2 - (CH355 to 405) SS - Mass Concrete Coping - Zone D2 - (CH405 to 443) ion Public Fill - Zone D2 - (CH355 to 405) to +14.5mPD Public Fill - Zone D2 - (CH405 to 443) to +14.5mPD Surcharge Period - Zone D2 - (CH355 to 405) Surcharge Period - Zone D2 - (CH405 to 443) eawall VS - Berm Stone - Zone C1 - (CH493 to 543)	4 7 7 11 9 180 180 180	17-Jan-14 20-May-14 28-May-14 20-Oct-14 01-Nov-14 01-Nov-14 12-Nov-14 12-Nov-14	21-Jan-14 27-May-14 05-Jun-14 31-Oct-14 11-Nov-14 29-Apr-15 10-May-15 10-May-15	01-Dec-14 18-Oct-14A 20-Oct-14A 02-Nov-14A 10-Nov-14A 09-Nov-14A 19-Nov-14A 09-Sep-14A	04-Dec-14 20-Oct-14A 23-Oct-14A 08-Nov-14A 19-Nov-14A 05-May-15 16-May-15 16-May-15	0% 100% 100% 100% 8% 2% 100%	Concrete Coping - Zone D2 - (CH405 to 443) Public Fill - Zone D2 - (CH355 to 405) to +14.5mPD Public Fill - Zone D2 - (CH405 to 443) to +14.5mPD VS - Berm Stone - Zone C1 - (CH409 to 543)
NR NR NR NR NR NR NR NR NR NR NR NR NR N	IRC14090 IRC14100 IRC14140 IRC14150 eclamat IRC13630 IRC13640 IRC15210 IRC15210 IRC15230 ne C1 IRC14680 IRC14680 IRC14700	SS - Armour Rock - Zone D2 - (CH355 to 405) SS - Armour Rock - Zone D2 - (CH405 to 443) SS - Mass Concrete Coping - Zone D2 - (CH355 to 405) SS - Mass Concrete Coping - Zone D2 - (CH405 to 443) ion Public Fill - Zone D2 - (CH355 to 405) to +14.5m PD Public Fill - Zone D2 - (CH405 to 443) to +14.5m PD Surcharge Period - Zone D2 - (CH405 to 443) eawall VS - Berm Stone - Zone C1 - (CH493 to 543) VS - Mass Concrete Coping - Zone C1 - (CH493 to 543)	4 7 7 11 9 180 180 180 3 8	17-Jan-14 20-May-14 28-May-14 20-Oct-14 01-Nov-14 01-Nov-14 12-Nov-14 12-Nov-14 12-Jul-14	21-Jan-14 27-May-14 05-Jun-14 31-Oct-14 11-Nov-14 29-Apr-15 10-May-15 10-May-15 18-Jul-14 18-Jun-14	01-Dec-14 18-Oct-14A 20-Oct-14A 02-Nov-14A 10-Nov-14A 09-Nov-14A 19-Nov-14A 04-Sep-14A 14-Nov-14A	04-Dec-14 20-Oct-14A 23-Oct-14A 08-Nov-14A 19-Nov-14A 05-May-15 16-May-15 16-May-15 17-Sep-14A 31-Dec-14	0% 100% 100% 100% 100% 8% 2% 2%	Concrete Coping - Zone D2 - (CH405 to 443) Public Fill - Zone D2 - (CH355 to 405) to +14.5mPD Public Fill - Zone D2 - (CH405 to 443) to +14.5mPD VS - Berm Stone - Zone C1 - (CH449 to 543) ass Concrete Coping - Zone C1 - (CH443 to 493)
NR NR NR NR NR NR NR NR NR NR NR NR NR N	IRC14090 IRC14100 IRC14140 IRC14150 eclamat IRC13630 IRC13640 IRC15210 IRC15230 ne C1 ertical S IRC14680 IRC14700 IRC14710	SS - Armour Rock - Zone D2 - (CH355 to 405) SS - Armour Rock - Zone D2 - (CH405 to 443) SS - Mass Concrete Coping - Zone D2 - (CH355 to 405) SS - Mass Concrete Coping - Zone D2 - (CH405 to 443) ion Public Fill - Zone D2 - (CH355 to 405) to +14.5m PD Public Fill - Zone D2 - (CH405 to 443) to +14.5m PD Surcharge Period - Zone D2 - (CH405 to 443) eawall VS - Berm Stone - Zone C1 - (CH493 to 543) VS - Mass Concrete Coping - Zone C1 - (CH493 to 543)	4 7 7 11 9 180 180 180 3 8	17-Jan-14 20-May-14 28-May-14 20-Oct-14 01-Nov-14 01-Nov-14 12-Nov-14 12-Nov-14 12-Jul-14	21-Jan-14 27-May-14 05-Jun-14 31-Oct-14 11-Nov-14 29-Apr-15 10-May-15 10-May-15 18-Jul-14 18-Jun-14	01-Dec-14 18-Oct-14A 20-Oct-14A 02-Nov-14A 10-Nov-14A 09-Nov-14A 19-Nov-14A 04-Sep-14A 14-Nov-14A	04-Dec-14 20-Oct-14A 23-Oct-14A 08-Nov-14A 19-Nov-14A 05-May-15 16-May-15 16-May-15 17-Sep-14A 31-Dec-14	0% 100% 100% 100% 100% 8% 2% 2%	Concrete Coping - Zone D2 - (CH405 to 443) Public Fill - Zone D2 - (CH355 to 405) to +14.5mPD Public Fill - Zone D2 - (CH405 to 443) to +14.5mPD VS - Berm Stone - Zone C1 - (CH449 to 543) ass Concrete Coping - Zone C1 - (CH443 to 493)
NR NR NR NR NR NR NR NR NR NR NR NR NR N	IRC14090 IRC14100 IRC14100 IRC14100 IRC14150 eclamat IRC13630 IRC13640 IRC15210 IRC15230 ne C1 ertical S IRC14700 IRC14710 IRC14830 IRC14830	SS - Armour Rock - Zone D2 - (CH355 to 405) SS - Armour Rock - Zone D2 - (CH405 to 443) SS - Mass Concrete Coping - Zone D2 - (CH355 to 405) SS - Mass Concrete Coping - Zone D2 - (CH405 to 443) ion Public Fill - Zone D2 - (CH355 to 405) to +14.5m PD Public Fill - Zone D2 - (CH405 to 443) to +14.5m PD Surcharge Period - Zone D2 - (CH405 to 443) Surcharge Period - Zone D2 - (CH405 to 443) Surcharge Period - Zone D2 - (CH405 to 443) VS - Berm Stone - Zone C1 - (CH493 to 543) VS - Mass Concrete Coping - Zone C1 - (CH493 to 543) VS - Mass Concrete Coping - Zone C1 - (CH493 to 543) Seawall SS - Armour Rock Underlayer - Zone C1 - (CH493 to 543)	4 7 7 11 9 180 180 180 180 3 8 8 8	17-Jan-14 20-May-14 28-May-14 20-Oct-14 01-Nov-14 01-Nov-14 12-Nov-14 12-Nov-14 12-Jun-14 10-Jun-14	21-Jan-14 27-May-14 05-Jun-14 31-Oct-14 11-Nov-14 29-Apr-15 10-May-15 10-May-15 18-Jul-14 18-Jun-14 27-Jun-14	01-Dec-14 18-Oct-14A 20-Oct-14A 02-Nov-14A 10-Nov-14A 09-Nov-14A 19-Nov-14A 04-Sep-14A 14-Nov-14A 14-Nov-14A	04-Dec-14 20-Oct-14A 23-Oct-14A 08-Nov-14A 19-Nov-14A 05-May-15 16-May-15 16-May-15 16-May-15 13-Dec-14 31-Dec-14 09-Jan-15	0% 100% 100% 100% 100% 8% 2% 2% 100% 25% 15%	Concrete Coping - Zone D2 - (CH405 to 443) Public Fill - Zone D2 - (CH355 to 405) to +14.5mPD Public Fill - Zone D2 - (CH405 to 443) to +14.5mPD VS - Berm Stone - Zone C1 - (CH448 to 543) ass Concrete Coping - Zone C1 - (CH443 to 493) Mass Concrete Coping - Zone C1 - (CH493 to 543)
NR NR NR NR NR NR NR NR NR NR NR NR NR N	IRC14090 IRC14100 IRC14140 IRC14150 eclamat IRC13630 IRC13640 IRC15210 IRC15230 ne C1 ertical S IRC14700 IRC14700 IRC14700 IRC14880 IRC14880 IRC14880 IRC14700 IRC14700 IRC14850 IRC14880	SS - Armour Rock - Zone D2 - (CH355 to 405) SS - Armour Rock - Zone D2 - (CH405 to 443) SS - Mass Concrete Coping - Zone D2 - (CH355 to 405) SS - Mass Concrete Coping - Zone D2 - (CH405 to 443) ion Public Fill - Zone D2 - (CH355 to 405) to +14.5m PD Public Fill - Zone D2 - (CH405 to 443) to +14.5m PD Surcharge Period - Zone D2 - (CH405 to 443) Surcharge Period - Zone D2 - (CH405 to 443) Surcharge Period - Zone D2 - (CH405 to 443) Surcharge Period - Zone D2 - (CH405 to 443) VS - Berm Stone - Zone C1 - (CH493 to 543) VS - Mass Concrete Coping - Zone C1 - (CH493 to 543) VS - Mass Concrete Coping - Zone C1 - (CH493 to 543) Seawall SS - Armour Rock Underlayer - Zone C1 - (CH493 to 543) SS - Armour Rock - Zone C1 - (CH493 to 543)	4 7 7 11 9 180 180 180 180 180 180 180 180 180 180	17-Jan-14 20-May-14 28-May-14 28-May-14 20-Oct-14 01-Nov-14 01-Nov-14 12-Nov-14 12-Nov-14 12-Nov-14 12-Jun-14 19-Jun-14 19-Jun-14 19-Jun-14 27-Feb-14 27-Feb-14 04-Mar-14	21-Jan-14 27-May-14 05-Jun-14 31-Oct-14 11-Nov-14 29-Apr-15 10-May-15 10-May-15 10-May-14 27-Jun-14 27-Jun-14 27-Jun-14 03-Mar-14	01-Dec-14 18-Oct-14A 20-Oct-14A 02-Nov-14A 10-Nov-14A 09-Nov-14A 19-Nov-14A 19-Nov-14A 04-Sep-14A 14-Nov-14A 14-Nov-14A 14-Nov-14A 14-Nov-14A 14-Nov-14A	04-Dec-14 20-Oct-14A 23-Oct-14A 08-Nov-14A 19-Nov-14A 05-May-15 16-May-15 16-May-15 16-May-15 13-Dec-14 09-Jan-15 21-Nov-14 09-Dec-14 13-Dec-14	0% 100% 100% 100% 2% 2% 100% 2% 100% 25% 15%	Concrete Coping - Zone D2 - (CH405 to 443) Public Fill - Zone D2 - (CH355 to 405) to +14.5mPD Public Fill - Zone D2 - (CH405 to 443) to +14.5mPD VS - Berm Stone - Zone C1 - (CH449 to 543) Iss Concrete Coping - Zone C1 - (CH443 to 493) Mass Concrete Coping - Zone C1 - (CH493 to 543) 493 to 543) 493 to 543)
NR NR NR NR NR NR NR Ver NR NR NR NR NR NR NR NR NR NR NR	IRC14090 IRC14100 IRC14100 IRC14150 eclamat IRC13630 IRC13640 IRC15210 IRC15230 ne C1 ertical S IRC14700 IRC14710 IRC14830 IRC14830 IRC14880 IRC14880	SS - Armour Rock - Zone D2 - (CH355 to 405) SS - Armour Rock - Zone D2 - (CH405 to 443) SS - Mass Concrete Coping - Zone D2 - (CH355 to 405) SS - Mass Concrete Coping - Zone D2 - (CH405 to 443) ion Public Fill - Zone D2 - (CH355 to 405) to +14.5m PD Public Fill - Zone D2 - (CH405 to 443) to +14.5m PD Surcharge Period - Zone D2 - (CH405 to 443) Surcharge Period - Zone D2 - (CH405 to 443) eawall VS - Berm Stone - Zone C1 - (CH493 to 543) VS - Mass Concrete Coping - Zone C1 - (CH493 to 543) SS - Armour Rock Underlayer - Zone C1 - (CH493 to 543) SS - Armour Rock - Zone C1 - (CH493 to 543) SS - Armour Rock - Zone C1 - (CH493 to 543) SS - Armour Rock - Zone C1 - (CH493 to 543) SS - Armour Rock - Zone C1 - (CH493 to 543) SS - Armour Rock - Zone C1 - (CH493 to 543) SS - Armour Rock - Zone C1 - (CH493 to 543) SS - Armour Rock - Zone C1 - (CH493 to 543) SS - Armour Rock - Zone C1 - (CH493 to 543)	4 7 7 11 9 180 180 180 180 180 3 3 8 8 8 8 8 8 8 8 8 4 4 4 7	17-Jan-14 20-May-14 28-May-14 20-Oct-14 01-Nov-14 01-Nov-14 12-Nov-14 12-Nov-14 12-Nov-14 10-Jun-14 19-Jun-14 19-Jun-14 12-Feb-14 27-Feb-14	21-Jan-14 27-May-14 05-Jun-14 31-Oct-14 11-Nov-14 29-Apr-15 10-May-15 10-May-15 10-May-15 10-May-14 27-Jun-14 18-Jun-14 03-Mar-14 18-Jun-14	01-Dec-14 18-Oct-14A 20-Oct-14A 02-Nov-14A 10-Nov-14A 09-Nov-14A 19-Nov-14A 19-Nov-14A 04-Sep-14A 14-Nov-14A 14-Nov-14A 14-Nov-14A 10-Dec-14 10-Dec-14 28-Nov-14	04-Dec-14 20-Oct-14A 23-Oct-14A 08-Nov-14A 19-Nov-14A 05-May-15 16-May-15 16-May-15 16-May-15 16-May-14 31-Dec-14 09-Jan-15 21-Nov-14 09-Dec-14 13-Dec-14	0% 100% 100% 100% 2% 2% 2% 100% 25% 15% 15%	Concrete Coping - Zone D2 - (CH405 to 443) Public Fill - Zone D2 - (CH455 to 405) to +14.5mPD Public Fill - Zone D2 - (CH405 to 443) to +14.5mPD VS - Berm Stone - Zone C1 - (OH449 to 543) ass Concrete Coping - Zone C1 - (CH443 to 493) Mass Concrete Coping - Zone C1 - (CH443 to 543) 493 to 543)
NR NR NR NR NR NR NR NR NR NR NR NR NR N	IRC14090 IRC14100 IRC14140 IRC14150 eclamat IRC13630 IRC13640 IRC15210 IRC15230 ne C1 ertical S IRC14700 IRC14700 IRC14880 IRC14880 IRC14880 IRC14880 IRC14880 IRC14880 IRC14880 IRC14880	SS - Armour Rock - Zone D2 - (CH355 to 405) SS - Armour Rock - Zone D2 - (CH405 to 443) SS - Mass Concrete Coping - Zone D2 - (CH355 to 405) SS - Mass Concrete Coping - Zone D2 - (CH405 to 443) ion Public Fill - Zone D2 - (CH355 to 405) to +14.5m PD Public Fill - Zone D2 - (CH405 to 443) to +14.5m PD Surcharge Period - Zone D2 - (CH405 to 443) Surcharge Period - Zone D2 - (CH493 to 543) VS - Berm Stone - Zone C1 - (CH493 to 543) VS - Mass Concrete Coping - Zone C1 - (CH493 to 543) Seawall SS - Armour Rock Underlayer - Zone C1 - (CH493 to 543) SS - Armour Rock - Zone C1 - (CH493 to 543) SS - Armour Rock - Zone C1 - (CH493 to 543) SS - Armour Rock - Zone C1 - (CH493 to 543) SS - Mass Concrete Coping - Zone C1 - (CH493 to 543) SS - Mass Concrete Coping - Zone C1 - (CH493 to 543) SS - Mass Concrete Coping - Zone C1 - (CH493 to 543) SS - Mass Concrete Coping - Zone C1 - (CH493 to 543) SS - Mass Concrete Coping - Zone C1 - (CH493 to 543) SS - Mass Concrete Coping - Zone C1 - (CH493 to 543) SS - Mass Concrete Coping - Zone C1 - (CH493 to 543)	4 7 7 11 9 180 180 180 180 180 180 180 180 180 180	17-Jan-14 20-May-14 28-May-14 28-May-14 20-Oct-14 01-Nov-14 01-Nov-14 12-Nov-14 12-Nov-14 12-Nov-14 12-Jun-14 19-Jun-14 19-Jun-14 19-Jun-14 27-Feb-14 27-Feb-14 04-Mar-14	21-Jan-14 27-May-14 05-Jun-14 31-Oct-14 11-Nov-14 29-Apr-15 10-May-15 10-May-15 10-May-14 27-Jun-14 27-Jun-14 27-Jun-14 03-Mar-14	01-Dec-14 18-Oct-14A 20-Oct-14A 02-Nov-14A 10-Nov-14A 09-Nov-14A 19-Nov-14A 19-Nov-14A 04-Sep-14A 14-Nov-14A 14-Nov-14A 14-Nov-14A 14-Nov-14A 14-Nov-14A	04-Dec-14 20-Oct-14A 23-Oct-14A 08-Nov-14A 19-Nov-14A 05-May-15 16-May-15 16-May-15 16-May-15 13-Dec-14 09-Jan-15 21-Nov-14 09-Dec-14 13-Dec-14	0% 100% 100% 100% 2% 2% 100% 2% 100% 25% 15%	Concrete Coping - Zone D2 - (CH405 to 443) Public Fill - Zone D2 - (CH355 to 405) to +14.5mPD Public Fill - Zone D2 - (CH405 to 443) to +14.5mPD VS - Berm Stone - Zone C1 - (CH449 to 543) Iss Concrete Coping - Zone C1 - (CH443 to 493) Mass Concrete Coping - Zone C1 - (CH493 to 543) 493 to 543) 493 to 543)
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Activity ID		Activity Name	Orig Dur	Planned Start	Planned Finish	Current Start	Current Finish	14W47 % Comp	2014 2015
NB	BC15270	Surcharge Period - Zone C1 - (CH443 to 493)	180	08-Oct-14	05-Apr-15	25-Nov-14A	17-Jun-15	16%	I Aug Sep Oct Nov Dec Jan Feb Mar Apr V
	ne C2								
Vert	rtical S	eawall							
		VS - Berm Stone - Zone C2 - (CH543 to 598)	3	19-Jul-14	22-Jul-14	03-Nov-14A	03-Nov-14A	100%	VS - Berm Stone - Zpne C2 - (CHE 3 to 598)
		VS - Mass Concrete Coping - Zone C2 - (CH543 to 598)	8	20-Jun-14	30-Jun-14	01-Nov-14A	24-Nov-14	17%	- Mass Concrete Coping- Zone C2 - (CH543 to 598)
	<u> </u>	Seawall SS - Armour Rock Underlayer - Zone C2 - (CH543 to 598)	5	21-Feb-14	26-Feb-14	22-Nov-14	27-Nov-14	0%	CH543 to 598)
		SS - Armour Rock - Zone C2 - (CH543 to 598)	4	08-Mar-14	12-Mar-14	15-Dec-14	18-Dec-14	0%	to 598)
NRO	RC14900	SS - Mass Concrete Coping - Zone C2 - (CH543 to 598)	7	26-Jun-14	04-Jul-14	15-Dec-14	22-Dec-14	0%	6 - Mass Concrete Coping - Zone C2 - (CH543 to 598)
Rec	eclamat	ion							
		Public Fill - Zone C2 - (CH543 to 598) to +10m PD	6	11-Sep-14	17-Sep-14	17-Sep-14A	24-Oct-14A	100%	Public Fill - 2000 C2 (CH543 to 598) to +10mPD
		Surcharge Period - Zone C2 - (CH543 to 598)	180	18-Sep-14	16-Mar-15	25-Oct-14A	17-Jun-15	16%	Syrcharge Pe
Zone	ne в rtical S	eawall							
		VS - Berm Stone - Zone B - (CH598 to 648)	3	23-Jul-14	25-Jul-14	05-Nov-14A	13-Nov-14A	100%	VS - Berm Stone - Zone B - (CH598 to \$48)
NRO	RC11370	VS - Berm Stone - Zone B - (CH648 to 698)	3	26-Jul-14	29-Jul-14	14-Nov-14A	20-Nov-14A	100%	VS - Berm Stone - Zone B - (CH648 to 698)
NRO	RC11380	VS - Berm Stone - Zone B - (CH698 to 738)	3	30-Jul-14	01-Aug-14	19-Nov-14A	22-Nov-14A	100%	VS - Berm Stone - Zone B - (CH698 to 738)
NRO	RC11400	VS - Mass Concrete Coping - Zone B - (CH598 to 648)	8	30-Jun-14	09-Jul-14	21-Oct-14A	28-Nov-14	33%	VS - Mass Concrete Coping - Zone B - (CH598 to 648)
		VS - Mass Concrete Coping - Zone B - (CH648 to 698)	8	10-Jul-14	18-Jul-14	20-Nov-14A	06-Dec-14	8%	VS - Mass Concrete Coping - Zone B - (CH648 to 698)
		VS - Mass Concrete Coping - Zone B - (CH698 to 738)	8	19-Jul-14	28-Jul-14	08-Dec-14	16-Dec-14	0%	VS - Mass Concrete Coping - Zone B - (CH698 to 738)
	,	Seawall SS - Armour Rock Underlayer - Zone B - (CH598 to 648)	5	04-Mar-14	08-Mar-14	15-Oct-14A	03-Nov-14A	100%	(CH598 to 648)
		SS - Armour Rock Underlayer - Zone B - (CH648 to 698)	5	14-Mar-14	19-Mar-14	04-Nov-14A	29-Nov-14	54%	B - (CH648 tq 698)
		SS - Armour Rock Underlayer - Zone B - (CH698 to 738)	5	26-Mar-14	31-Mar-14	01-Dec-14	05-Dec-14	0%	Cone'B - (CH698 to 738)
NRO	RC11580	SS - Armour Rock - Zone B - (CH598 to 648)	4	01-Apr-14	04-Apr-14	19-Dec-14	23-Dec-14	0%	(H598 to 648)
NRO	RC11590	SS - Armour Rock - Zone B - (CH648 to 698)	4	07-Apr-14	10-Apr-14	24-Dec-14	30-Dec-14	0%	(CH648 to 698)
		SS - Armour Rock - Zone B - (CH698 to 738)	4	11-Apr-14	15-Apr-14	31-Dec-14	05-Jan-15	0%	(CH698 to 738)
		SS - Mass Concrete Coping - Zone B - (CH598 to 648)	7	05-Jul-14	12-Jul-14	10-Oct-14A	21-Oct-14A	100%	SS - Mass Concrete Coping - Zone B - CH598 to 648)
		SS - Mass Concrete Coping - Zone B - (CH648 to 698) SS - Mass Concrete Coping - Zone B - (CH698 to 738)	7	14-Jul-14 22-Jul-14	21-Jul-14 29-Jul-14	22-Oct-14A 06-Nov-14A	05-Nov-14A 11-Nov-14 A	100%	SS - Mass Concrete Coping - Zone B - (CH648 to 698)
	clamat		/	22-Jul-14	29-Jul-14	06-110V-14A	11-NOV-14 A	100%	SS - Mass Concrete Coping - Zone B - (CH698 to 738)
		Public Fill - Zone B - (CH698 to 738) to +2.5mPD	7	17-Jul-14	24-Jul-14	06-Sep-14A	18-Sep-14A	100%	Public Fill - Zone B - (CH698 to 73) to +2.5mPD
NRO	RC11960	Public Fill - Zone B - (CH648 to 698) to +6.0mPD	7	17-Jul-14	24-Jul-14	06-Sep-14A	21-Sep-14A	100%	Public Fill - Zone B - (CH648 to 696) to +6.0mPD
NRO	RC11970	Public Fill - Zone B - (CH698 to 738) to +6.0mPD	7	25-Jul-14	01-Aug-14	17-Sep-14A	26-Sep-14A	100%	Public Fill - Zone B - (CH698 to 738) to +6.0mPD
NRO	RC11990	Public Fill - Zone B - (CH598 to 648) to +10mPD	6	02-May-15	08-May-15	20-Sep-14A	22-Sep-14A	100%	
NRO	RC12010	Public Fill - Zone B - (CH698 to 738) to +10mPD	6	09-Aug-14	15-Aug-14	25-Sep-14A	28-Sep-14A	100%	Public Fill - Zone B - (CH690++ 738) to +10mPD
		Surcharge Period - Zone B - (CH598 to 648)	180	09-May-15	04-Nov-15	22-Sep-14A	01-Dec-15	26%	
		Surcharge Period - Zone B - (CH698 to 738)	180	16-Aug-14 12-Feb-15	11-Feb-15 02-Mar-15	29-Sep-14A	09-Apr-15	28%	Surcharge Period - Zone
	ne A1	Surcharge Removal - Zone B - (CH698 to 738)	10	12-Fe0-15	02-1Viar-13	10-Apr-15	21-Apr-15	0%	Surcharge Remov
	rtical S	eawall							
		VS - Granular Filter - Zone A1 - (CH738 to 793)	4	07-May-14	10-May-14	01-Sep-14A	25-Sep-14A	100%	- Zone A 1 - (CH738 to 793)
NRO	RC12120	VS - Berm Stone - Zone A1 - (CH738 to 793)	3	02-Aug-14	05-Aug-14	17-Nov-14	19-Nov-14	0%	VS - Berm Stone - Zone A1 - (CH738 to 793)
NRO	RC12130	VS - Mass Concrete Coping - Zone A1 - (CH738 to 793)	8	29-Jul-14	06-Aug-14	17-Dec-14	27-Dec-14	0%	VS - Mass Concrete Coping - Zone A1 - (CH738 to 793)
	<u> </u>	Seawall							
		SS - Armour Rock Underlayer - ZoneA1 - (CH738 to 793)	5	01-Apr-14	07-Apr-14	06-Dec-14	11-Dec-14	0%	- Zone A1 - (CH738 to 793)
		SS - Armour Rock - Zone A1 - (CH738 to 793) SS - Mass Concrete Coping - Zone A1 - (CH738 to 793)	4	16-Apr-14 30-Jul-14	23-Apr-14 06-Aug-14	06-Jan-15 10-Jan-15	09-Jan-15 17-Jan-15	0%	A1 - (CH738 to 793)
		Sloping - Geotextile - Zone A1 - (CH738 to 793)	2	02-Apr-14	03-Apr-14	23-Sep-14A	23-Sep-14A	100%	CH738 to 793
		Sloping - Granular Filter - Zone A1 - (CH738 to 793)	3	04-Apr-14	08-Apr-14	28-Sep-14A	28-Sep-14A	100%	₽ A1 - (CH738 to 793)
Rec	eclamat	ion							
NRO	RC12280	Reclamation - Band Drain - Zone A1 - (CH738 to 793)(deleted)	4	17-May-14	21-May-14	29-Sep-14A	29-Sep-14A	100%	and Drain - Zone A1 - (CH738 to 793)(deted)
		Public Fill - ZoneA1 - (CH738 to 793) to -2.5mPD	3	30-Jun-14	03-Jul-14	23-Sep-14A	25-Sep-14A	100%	ublic Fill - ZoneA1 - (CH738 to 793) to -2.5mPD
		Public Fill - ZoneA1 - (CH738 to 793) to +2.5mPD	7	25-Jul-14	01-Aug-14	23-Sep-14A	25-Sep-14A	100%	Public Fill - Zone A1 - (CH738 to 793) to +2.5m PD
		Public Fill - ZoneA1 - (CH738 to 793) to +6.0mPD	7	02-Aug-14	09-Aug-14	26-Sep-14A	18-Oct-14A	100%	Public Fill - Zone A1 - (OH738 to 793) to +6.0mPD
		Public Fill - ZoneA1 - (CH738 to 793) to +10mPD Surcharge Period - ZoneA1 - (CH738 to 793)	6 180	15-Oct-14 22-Oct-14	21-Oct-14 19-Apr-15	17-Jan-15 24-Jan-15	23-Jan-15 	0%	Public Fill;- ZoneA1 - (CH738 to 793) to +10mPD
			100	22 000 11	io r pi lo			0,0	
Zone	1e ∆ 2								
	ne A2 rtical S	eawall							
Vert	rtical S	<mark>eawall</mark> VS - Seawall Block - Zone A2 - (CH893 to 956)	17	16-May-14	05-Jun-14	23-Aug-14A	25-Oct-14A	100%	III Block - Zone A2 - (CH893 to 956)
	rtical S RC12470		17 3	16-May-14 16-May-14	05-Jun-14 19-May-14	23-Aug-14A 22-Sep-14A	25-Oct-14A 22-Sep-14A	100% 100%	III Block - Zone A2 - (CH893 to 956) e A - Zone A2 - (CH793 to 843)
	rtical S RC12470 RC12480	VS - Seawall Block - Zone A2 - (CH893 to 956)		-		-			i i i i i i
Vert NRG NRG NRG	rtical S RC12470 RC12480 RC12490 RC12500	VS - Seawall Block - Zone A2 - (CH893 to 956) VS - Rockfill Type A - Zone A2 - (CH793 to 843) VS - Rockfill Type A - Zone A2 - (CH843 to 893) VS - Rockfill Type A - Zone A2 - (CH893 to 956)	3 3 7	16-May-14 06-Jun-14 10-Jun-14	19-May-14 09-Jun-14 17-Jun-14	22-Sep-14A 11-Oct-14 A 11-Nov-14 A	22-Sep-14A 05-Nov-14A 23-Nov-14A	100% 100% 100%	e A- Zone A2 - (CH793 to 843)
Vert NRG NRG NRG NRG	rtical S RC12470 RC12480 RC12490 RC12500 RC12520	VS - Seawall Block - Zone A2 - (CH893 to 956) VS - Rockfill Type A - Zone A2 - (CH793 to 843) VS - Rockfill Type A - Zone A2 - (CH843 to 893) VS - Rockfill Type A - Zone A2 - (CH893 to 956) VS - Geotextile - Zone A2 - (CH843 to 893)	3 3 7 2	16-May-14 06-Jun-14 10-Jun-14 12-Jun-14	19-May-14 09-Jun-14 17-Jun-14 13-Jun-14	22-Sep-14A 11-Oct-14 A 11-Nov-14 A 11-Oct-14 A	22-Sep-14A 05-Nov-14A 23-Nov-14A 10-Nov-14A	100% 100% 100% 100%	e A - Zone A2 - (CH793 to 843) fill Type A - Zone A2 - (CH843 to 893) ockfill Type A - Zone A2 - (CH893 to 956) otextille - Zone A2 - (CH843 to 893)
Vert NRG NRG NRG NRG NRG	rtical S RC12470 RC12480 RC12490 RC12500 RC12520 RC12530	VS - Seawall Block - Zone A2 - (CH893 to 956) VS - Rockfill Type A - Zone A2 - (CH793 to 843) VS - Rockfill Type A - Zone A2 - (CH893 to 893) VS - Rockfill Type A - Zone A2 - (CH893 to 956) VS - Geotextile - Zone A2 - (CH893 to 956)	3 3 7 2 5	16-May-14 06-Jun-14 10-Jun-14 12-Jun-14 14-Jun-14	19-May-14 09-Jun-14 17-Jun-14 13-Jun-14 19-Jun-14	22-Sep-14A 11-Oct-14 A 11-Nov-14 A 11-Oct-14 A 12-Nov-14A	22-Sep-14A 05-Nov-14A 23-Nov-14A 10-Nov-14A 23-Nov-14A	100% 100% 100% 100% 100%	e A- Zone A2 - (CH793 to 843) fill Type A- Zone A2 - (CH843 to 893) ockfill Type A- Zone A2 - (CH893 to 956) otextile - Zone A2 - (CH843 to 893) eotextile - Zone A2 - (CH893 to 956)
Vert NRG NRG NRG NRG NRG	rtical S RC12470 RC12480 RC12490 RC12500 RC12520 RC12530 RC12540	VS - Seawall Block - Zone A2 - (CH893 to 956) VS - Rockfill Type A - Zone A2 - (CH793 to 843) VS - Rockfill Type A - Zone A2 - (CH843 to 893) VS - Rockfill Type A - Zone A2 - (CH893 to 956) VS - Geotextile - Zone A2 - (CH843 to 893)	3 3 7 2	16-May-14 06-Jun-14 10-Jun-14 12-Jun-14	19-May-14 09-Jun-14 17-Jun-14 13-Jun-14	22-Sep-14A 11-Oct-14 A 11-Nov-14 A 11-Oct-14 A	22-Sep-14A 05-Nov-14A 23-Nov-14A 10-Nov-14A	100% 100% 100% 100%	e A - Zone A2 - (CH793 to 843) fill Type A - Zone A2 - (CH843 to 893) ockfill Type A - Zone A2 - (CH893 to 956) otextile - Zone A2 - (CH843 to 893) eotextile - Zone A2 - (CH893 to 956) anular Filter - Zone A2 - (CH793 to 843
Vert NRG NRG NRG NRG NRG NRG	rtical S RC12470 RC12480 RC12490 RC12500 RC12520 RC12530 RC12530 RC12550	VS - Seawall Block - Zone A2 - (CH893 to 956) VS - Rockfill Type A - Zone A2 - (CH793 to 843) VS - Rockfill Type A - Zone A2 - (CH843 to 893) VS - Rockfill Type A - Zone A2 - (CH893 to 956) VS - Geotextile - Zone A2 - (CH893 to 956) VS - Geotextile - Zone A2 - (CH893 to 956) VS - Granular Filter - Zone A2 - (CH793 to 843)	3 3 7 2 5 4	16-May-14 06-Jun-14 10-Jun-14 12-Jun-14 14-Jun-14 14-Jun-14	19-May-14 09-Jun-14 17-Jun-14 13-Jun-14 19-Jun-14 18-Jun-14	22-Sep-14A 11-Oct-14 A 11-Nov-14 A 11-Oct-14 A 12-Nov-14A 21-Oct-14 A	22-Sep-14A 05-Nov-14A 23-Nov-14A 10-Nov-14A 23-Nov-14A 23-Nov-14A 21-Oct-14A	100% 100% 100% 100% 100%	e A- Zone A2 - (CH793 to 843) fill Type A- Zone A2 - (CH843 to 893) ockfill Type A- Zone A2 - (CH893 to 956) otextile - Zone A2 - (CH843 to 893) eotextile - Zone A2 - (CH893 to 956)
Vert NRG NRG NRG NRG NRG NRG NRG	rtical S RC12470 RC12480 RC12490 RC12500 RC12520 RC12530 RC12540 RC12550 RC12550	VS - Seawall Block - Zone A2 - (CH893 to 956) VS - Rockfill Type A - Zone A2 - (CH793 to 843) VS - Rockfill Type A - Zone A2 - (CH843 to 893) VS - Rockfill Type A - Zone A2 - (CH893 to 956) VS - Geotextile - Zone A2 - (CH843 to 893) VS - Geotextile - Zone A2 - (CH893 to 956) VS - Geotextile - Zone A2 - (CH893 to 956) VS - Geotextile - Zone A2 - (CH893 to 956) VS - Geotextile - Zone A2 - (CH893 to 956) VS - Granular Filter - Zone A2 - (CH893 to 893)	3 3 7 2 5 4 4	16-May-14 06-Jun-14 10-Jun-14 12-Jun-14 14-Jun-14 14-Jun-14 19-Jun-14	19-May-14 09-Jun-14 17-Jun-14 13-Jun-14 19-Jun-14 18-Jun-14 23-Jun-14	22-Sep-14A 11-Oct-14 A 11-Nov-14 A 11-Oct-14 A 12-Nov-14A 21-Oct-14A 03-Nov-14A	22-Sep-14A 05-Nov-14A 23-Nov-14A 10-Nov-14A 23-Nov-14A 21-Oct-14A 05-Nov-14A	100% 100% 100% 100% 100% 100%	e A - IZone A2 - (CH793 to 843) fill Type A - Zone A2 - (CH843 to 893) ockfill Type A - Zone A2 - (CH893 to 956) textile - Zone A2 - (CH843 to 893) eotextile - Zone A2 - (CH893 to 956) anular Filter - Zone A2 - (CH793 to 843 Granular Filter - Zone A2 - (CH843 to 883)
Vert NRG NRG NRG NRG NRG NRG NRG NRG	rtical S RC12470 RC12480 RC12500 RC12500 RC12520 RC12530 RC12540 RC12550 RC12550 RC12550 RC12550	VS - Seawall Block - Zone A2 - (CH893 to 956) VS - Rockfill Type A - Zone A2 - (CH793 to 843) VS - Rockfill Type A - Zone A2 - (CH843 to 893) VS - Rockfill Type A - Zone A2 - (CH893 to 956) VS - Geotextile - Zone A2 - (CH893 to 956) VS - Geotextile - Zone A2 - (CH893 to 956) VS - Granular Filter - Zone A2 - (CH893 to 893) VS - Granular Filter - Zone A2 - (CH893 to 893) VS - Granular Filter - Zone A2 - (CH893 to 893)	3 3 7 2 5 4 4 4 10	16-May-14 06-Jun-14 10-Jun-14 12-Jun-14 14-Jun-14 14-Jun-14 19-Jun-14 24-Jun-14	19-May-14 09-Jun-14 17-Jun-14 13-Jun-14 19-Jun-14 18-Jun-14 23-Jun-14 05-Jul-14	22-Sep-14A 11-Oct-14 A 11-Nov-14 A 11-Oct-14 A 12-Nov-14A 21-Oct-14A 03-Nov-14A 05-Nov-14A	22-Sep-14A 05-Nov-14A 23-Nov-14A 10-Nov-14A 23-Nov-14A 21-Oct-14A 05-Nov-14A 23-Nov-14A	100% 100% 100% 100% 100% 100% 100% 100%	e A - Zone A2 - (CH793 to 843) fill Type A - Zone A2 - (CH843 to 893) ockfill Type A - Zone A2 - (CH893 to 956) texttile - Zone A2 - (CH893 to 959) eotextile - Zone A2 - (CH893 to 959) ranular Filter - Zone A2 - (CH793 to 843) Granular Filter - Zone A2 - (CH893 to 893) S - Granular Filter - Zone A2 - (CH893 to 893) S - Granular Filter - Zone A2 - (CH893 to 893)
Vert NRG NRG NRG NRG NRG NRG NRG	rtical S RC12470 RC12480 RC12500 RC12500 RC12520 RC12530 RC12540 RC12550 RC12550 RC12550 RC12550	VS - Seawall Block - Zone A2 - (CH893 to 956) VS - Rockfill Type A - Zone A2 - (CH793 to 843) VS - Rockfill Type A - Zone A2 - (CH893 to 956) VS - Rockfill Type A - Zone A2 - (CH893 to 956) VS - Geotextile - Zone A2 - (CH893 to 956) VS - Geotextile - Zone A2 - (CH893 to 956) VS - Granular Filter - Zone A2 - (CH793 to 843) VS - Granular Filter - Zone A2 - (CH893 to 956) VS - Granular Filter - Zone A2 - (CH893 to 956) VS - Granular Filter - Zone A2 - (CH793 to 843) VS - Berm Stone - Zone A2 - (CH793 to 843)	3 3 7 2 5 4 4 4 10	16-May-14 06-Jun-14 10-Jun-14 12-Jun-14 14-Jun-14 14-Jun-14 19-Jun-14 24-Jun-14	19-May-14 09-Jun-14 17-Jun-14 13-Jun-14 19-Jun-14 18-Jun-14 23-Jun-14 05-Jul-14	22-Sep-14A 11-Oct-14 A 11-Nov-14 A 11-Oct-14 A 12-Nov-14A 21-Oct-14A 03-Nov-14A 05-Nov-14A	22-Sep-14A 05-Nov-14A 23-Nov-14A 10-Nov-14A 23-Nov-14A 21-Oct-14A 05-Nov-14A 23-Nov-14A	100% 100% 100% 100% 100% 100% 100% 100%	e A - IZone A2 - (CH793 to 843) fill Type A - Zone A2 - (CH843 to 893) ockfill Type A - Zone A2 - (CH893 to 956) texttile - Zone A2 - (CH893 to 956) eotextile - Zone A2 - (CH893 to 956) ranular Filter - Zone A2 - (CH793 to 843 Granular Filter - Zone A2 - (CH893 to 883) S - Ģranular Filter - Zone A2 - (CH893 to 883)
Vert	rtical S RC12470 RC12480 RC12480 RC12500 RC12520 RC12530 RC12550 RC12550 RC12560 RC12560	VS - Seawall Block - Zone A2 - (CH893 to 956) VS - Rockfill Type A - Zone A2 - (CH793 to 843) VS - Rockfill Type A - Zone A2 - (CH843 to 893) VS - Rockfill Type A - Zone A2 - (CH893 to 956) VS - Geotextile - Zone A2 - (CH893 to 956) VS - Geotextile - Zone A2 - (CH893 to 956) VS - Geotextile - Zone A2 - (CH893 to 956) VS - Granular Filter - Zone A2 - (CH893 to 956) VS - Granular Filter - Zone A2 - (CH893 to 956) VS - Granular Filter - Zone A2 - (CH893 to 956) VS - Granular Filter - Zone A2 - (CH893 to 956) VS - Berm Stone - Zone A2 - (CH793 to 843) Planned Bar DWPB 14W45-3	3 3 7 2 5 4 4 10 3	16-May-14 06-Jun-14 10-Jun-14 12-Jun-14 14-Jun-14 14-Jun-14 19-Jun-14 24-Jun-14 06-Aug-14	19-May-14 09-Jun-14 17-Jun-14 13-Jun-14 19-Jun-14 18-Jun-14 23-Jun-14 05-Jul-14 08-Aug-14	22-Sep-14A 11-Oct-14 A 11-Nov-14 A 11-Oct-14 A 12-Nov-14A 21-Oct-14A 03-Nov-14A 05-Nov-14A	22-Sep-14A 05-Nov-14A 23-Nov-14A 10-Nov-14A 23-Nov-14A 21-Oct-14A 05-Nov-14A 23-Nov-14A 23-Nov-14A 22-Nov-14	100% 100% 100% 100% 100% 100% 100% 0%	E A - Zone A2 - (CH793 to 843) fill Type A - Zone A2 - (CH843 to 893) ockfill Type A - Zone A2 - (CH893 to 956) textile - Zone A2 - (CH893 to 956) anular Filter - Zone A2 - (CH793 to 843) Granular Filter - Zone A2 - (CH893 to 956) anular Filter - Zone A2 - (CH893 to 853) S - Granular Filter - Zone A2 - (CH893 to 853) S - Granular Filter - Zone A2 - (CH893 to 853) S - Granular Filter - Zone A2 - (CH893 to 853) S - Granular Filter - Zone A2 - (CH893 to 853) S - Granular Filter - Zone A2 - (CH893 to 853) S - Granular Filter - Zone A2 - (CH793 to 843) Date Revision Checked Approve 21-Feb-14 TMCLK/DBJ/GEN/PR SPa W Yu
Vert	rtical S RC12470 RC12480 RC12480 RC12500 RC12520 RC12530 RC12550 RC12550 RC12560 RC12560 RC12570	VS - Seawall Block - Zone A2 - (CH893 to 956) VS - Rockfill Type A - Zone A2 - (CH793 to 843) VS - Rockfill Type A - Zone A2 - (CH843 to 893) VS - Rockfill Type A - Zone A2 - (CH893 to 956) VS - Geotextile - Zone A2 - (CH893 to 956) VS - Geotextile - Zone A2 - (CH893 to 956) VS - Geotextile - Zone A2 - (CH893 to 956) VS - Granular Filter - Zone A2 - (CH893 to 956) VS - Granular Filter - Zone A2 - (CH893 to 956) VS - Granular Filter - Zone A2 - (CH893 to 956) VS - Granular Filter - Zone A2 - (CH793 to 843) VS - Berm Stone - Zone A2 - (CH793 to 843) Planned Bar Planned Bar Planned Bar Planned Milestone	3 3 7 2 5 4 4 10 3	16-May-14 06-Jun-14 10-Jun-14 12-Jun-14 14-Jun-14 14-Jun-14 19-Jun-14 24-Jun-14 06-Aug-14 K - Northerr	19-May-14 09-Jun-14 17-Jun-14 13-Jun-14 19-Jun-14 18-Jun-14 23-Jun-14 05-Jul-14 08-Aug-14	22-Sep-14A 11-Oct-14 A 11-Nov-14 A 11-Oct-14 A 12-Nov-14A 21-Oct-14A 03-Nov-14A 03-Nov-14A 20-Nov-14A 20-Nov-14	22-Sep-14A 05-Nov-14A 23-Nov-14A 10-Nov-14A 23-Nov-14A 21-Oct-14A 05-Nov-14A 23-Nov-14A 23-Nov-14A 22-Nov-14	n	e A - Zone A2 - (CH793 to 843) fill Type A - Zone A2 - (CH893 to 893) ockfill Type A - Zone A2 - (CH893 to 956) texttle - Zone A2 - (CH893 to 959) anular Filter - Zone A2 - (CH793 to 843) Granular Filter - Zone A2 - (CH793 to 843) S - Ģranular Filter - Zone A2 - (CH894 to 883) S - Ģranular Filter - Zone A2 -
Page 3 of 17 Project ID: TW	rtical S RC12470 RC12480 RC12480 RC12500 RC12520 RC12530 RC12550 RC12550 RC12560 RC12560 RC12570	VS - Seawall Block - Zone A2 - (CH893 to 956) VS - Rockfill Type A - Zone A2 - (CH793 to 843) VS - Rockfill Type A - Zone A2 - (CH893 to 956) VS - Rockfill Type A - Zone A2 - (CH893 to 956) VS - Geotextile - Zone A2 - (CH843 to 893) VS - Geotextile - Zone A2 - (CH893 to 956) VS - Geotextile - Zone A2 - (CH893 to 956) VS - Geotextile - Zone A2 - (CH893 to 956) VS - Granular Filter - Zone A2 - (CH793 to 843) VS - Granular Filter - Zone A2 - (CH893 to 956) VS - Granular Filter - Zone A2 - (CH893 to 956) VS - Granular Filter - Zone A2 - (CH793 to 843) VS - Berm Stone - Zone A2 - (CH793 to 843) Planned Bar Planned Bar Planned Bar Planned Milestone	3 3 7 2 5 4 4 10 3	16-May-14 06-Jun-14 10-Jun-14 12-Jun-14 14-Jun-14 14-Jun-14 19-Jun-14 24-Jun-14 06-Aug-14 K - Northerr	19-May-14 09-Jun-14 17-Jun-14 13-Jun-14 19-Jun-14 18-Jun-14 23-Jun-14 05-Jul-14 08-Aug-14	22-Sep-14A 11-Oct-14 A 11-Nov-14 A 11-Nov-14 A 12-Nov-14A 21-Oct-14A 03-Nov-14A 03-Nov-14A 20-Nov-14	22-Sep-14A 05-Nov-14A 23-Nov-14A 10-Nov-14A 23-Nov-14A 21-Oct-14A 05-Nov-14A 23-Nov-14A 23-Nov-14A 22-Nov-14	100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 00% 0%	E A - Zone A2 - (CH793 to 843) fill Type A - Zone A2 - (CH843 to 893) ockfill Type A - Zone A2 - (CH893 to 956) textile - Zone A2 - (CH893 to 956) anular Filter - Zone A2 - (CH793 to 843) Granular Filter - Zone A2 - (CH893 to 956) anular Filter - Zone A2 - (CH893 to 853) S - Granular Filter - Zone A2 - (CH893 to 853) S - Granular Filter - Zone A2 - (CH893 to 853) S - Granular Filter - Zone A2 - (CH893 to 853) S - Granular Filter - Zone A2 - (CH893 to 853) S - Granular Filter - Zone A2 - (CH893 to 853) S - Granular Filter - Zone A2 - (CH793 to 843) Date Revision Checked Approve 21-Feb-14 TMCLK/DBJ/GEN/PR SPa W Yu
Page 3 of 17 Project ID: TW	rtical S RC12470 RC12480 RC12480 RC12500 RC12520 RC12530 RC12550 RC12550 RC12560 RC12560 RC12570	VS - Seawall Block - Zone A2 - (CH893 to 956) VS - Rockfill Type A - Zone A2 - (CH793 to 843) VS - Rockfill Type A - Zone A2 - (CH893 to 956) VS - Rockfill Type A - Zone A2 - (CH893 to 956) VS - Geotextile - Zone A2 - (CH893 to 956) VS - Geotextile - Zone A2 - (CH893 to 956) VS - Geotextile - Zone A2 - (CH893 to 956) VS - Granular Filter - Zone A2 - (CH893 to 956) VS - Granular Filter - Zone A2 - (CH893 to 956) VS - Granular Filter - Zone A2 - (CH893 to 956) VS - Granular Filter - Zone A2 - (CH793 to 843) VS - Berm Stone - Zone A2 - (CH793 to 843) Planned Bar Planned Bar Planned Bar Planned Milestone Progress bar	3 3 7 2 5 4 4 10 3	16-May-14 06-Jun-14 10-Jun-14 12-Jun-14 14-Jun-14 14-Jun-14 19-Jun-14 24-Jun-14 06-Aug-14 K - Northerr Deta	19-May-14 09-Jun-14 17-Jun-14 13-Jun-14 19-Jun-14 18-Jun-14 23-Jun-14 05-Jul-14 08-Aug-14	22-Sep-14A 11-Oct-14 A 11-Nov-14 A 11-Oct-14 A 12-Nov-14A 21-Oct-14A 03-Nov-14A 05-Nov-14A 20-Nov-14 20-Nov-14	22-Sep-14A 05-Nov-14A 23-Nov-14A 10-Nov-14A 23-Nov-14A 21-Oct-14A 05-Nov-14A 23-Nov-14A 23-Nov-14A 22-Nov-14	100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 00% 0%	e A - Zone A2 - (CH793 to 843) fill Type A - Zone A2 - (CH843 to 893) ockfill Type A - Zone A2 - (CH843 to 893) eotextile - Zone A2 - (CH843 to 893) eotextile - Zone A2 - (CH843 to 956) anular Filter - Zone A2 - (CH843 to 956) anular Filter - Zone A2 - (CH843 to 883) Sranular Filter - Zone A2 - (CH843 to 883) S - Granular Filter - Zone A2 - (CH843 to 883) S - Granular Filter - Zone A2 - (CH843 to 883) S - Granular Filter - Zone A2 - (CH843 to 883) S - Granular Filter - Zone A2 - (CH843 to 883) S - Granular Filter - Zone A2 - (CH843 to 883) S - Granular Filter - Zone A2 - (CH843 to 883) S - Granular Filter - Zone A2 - (CH843 to 883) S - Granular Filter - Zone A2 - (CH793 to 843) Togges Date Revision Checked Approve 21-Feb-14 TMCLK/DBJ/GEN/PR SPa WYu

tivity ID	Activity Name	Orig Dur	Planned Start	Planned Finish	Current Start	Current Finish	14W47 % Comp	2014 2015
NRC12580	VS - Berm Stone - Zone A2 - (CH843 to 893)	3	09-Aug-14	12-Aug-14	24-Nov-14	26-Nov-14	0%	I Aug Sep Oct Nov Dec Jan Feb Mar Apr May VS - Berm Stone - Zone A2 - (CH843 to 893) VS - Berm Stone - Zone A2 - (CH843 to 893) VS - Berm Stone - Zone A2 - (CH843 to 893) VS - Berm Stone - Zone A2 - (CH843 to 893)
NRC12590	VS - Berm Stone - Zone A2 - (CH893 to 956)	7	13-Aug-14	20-Aug-14	27-Nov-14	04-Dec-14	0%	VS - Berm Stone - Zone A2 - (CH893 to 956)
NRC12600	VS - Mass Concrete Coping - Zone A2 - (CH793 to 843)	8	07-Aug-14	15-Aug-14	29-Dec-14	07-Jan-15	0%	VS - Mass Concrete Coping - Zone A2 - (CH793 to 843)
NRC12610	VS - Mass Concrete Coping - Zone A2 - (CH843 to 893)	8	16-Aug-14	25-Aug-14	08-Jan-15	16-Jan-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	17-Jan-15	06-Feb-15	0%	VŞ - Mass Concrete Coping - Zone A2 - (CH893 to 956)
Sloping	Seawall							
NRC12670	SS - Rock Grade 400 - Zone A2 - (CH843 to 893) to +2.5mPD (4k/d)	6	09-Apr-14	15-Apr-14	01-Aug-14A	25-Sep-14A	100%	A2 - (CH843 tp 893) to +2.5mPD (44/0)
NRC12680	SS - 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%	one A2 - (CH893 to 956) to +2.5mPD (4t/d)
NRC12720	SS - Armour Rock Underlayer - Zone A2 - (CH793 to 843)	5	09-Apr-14	14-Apr-14	12-Dec-14	17-Dec-14	0%	er - Zone A2 - (CH793 to 843)
NRC12730	SS - Armour Rock Underlayer - Zone A2 - (CH843 to 893)	5	16-Apr-14	24-Apr-14	18-Dec-14	23-Dec-14	0%	ayer - Zone A2 - (CH843 to 893)
NRC12740	SS - Armour Rock Underlayer - Zone A2 - (CH893 to 956)	5	28-Apr-14	03-May-14	24-Dec-14	31-Dec-14	0%	berlayer - Zone A2 - (CH893 to 956)
NRC12750	SS - Armour Rock - Zone A2 - (CH793 to 843)	4	05-May-14	09-May-14	10-Jan-15	14-Jan-15	0%	Zone A2 - (CH793 to 843)
NRC12760	SS - Armour Rock - Zone A2 - (CH843 to 893)	4	10-May-14	14-May-14	15-Jan-15	19-Jan-15	0%	- Zone A2 - (CH843 to 893)
NRC12770	SS - Armour Rock - Zone A2 - (CH893 to 956)	4	15-May-14	19-May-14	20-Jan-15	23-Jan-15	0%	k - Zone A2 - (CH893 to 956)
NRC12780	SS - Mass Concrete Coping - Zone A2 - (CH793 to 843)	7	07-Aug-14	14-Aug-14	19-Jan-15	26-Jan-15	0%	SS - Mass Concrete Coping - Zone A2 - (CH793 to 843)
NRC12790	SS - Mass Concrete Coping - Zone A2 - (CH843 to 893)	7	15-Aug-14	22-Aug-14	27-Jan-15	03-Feb-15	0%	SS - Mass Concrete Coping - Zone A2 - (CH843 to 893)
NRC12800	SS - Mass Concrete Coping - Zone A2 - (CH893 to 956)	7	23-Aug-14	30-Aug-14	04-Feb-15	11-Feb-15	0%	SS - Mass Concrete Coping - Zone A2 - (CH893 to 956)
NRC12810	Sloping - Rockfill Type A - Zone A2 - (CH793 to 843)	1	09-Apr-14	09-Apr-14	20-Sep-14A	22-Sep-14A	100%	e A2- (CH793 to 843)
NRC12820	Sloping - Rockfill Type A- Zone A2 - (CH843 to 893)	1	16-Apr-14	16-Apr-14	08-Nov-14A	13-Nov-14A	100%	pne A2 - (CH843 to 893)
NRC12830	Sloping - Rockfill Type A- Zone A2 - (CH893 to 956)	1	28-Apr-14	28-Apr-14	21-Nov-14A	21-Nov-14A	100%	 Zone A2 - (CH893 to 956)
NRC12850	Sloping - Geotextile - Zone A2 - (CH793 to 843)	2	10-Apr-14	11-Apr-14	11-Oct-14 A	11-Oct-14 A	100%	- (CH793 to 843)
NRC12860	Sloping - Geotextile - Zone A2 - (CH843 to 893)	2	17-Apr-14	22-Apr-14	11-Oct-14 A	13-Oct-14A	100%	e A2 - (CH843 to 893)
NRC12870	Sloping - Geotextile - Zone A2 - (CH893 to 956)	2	29-Apr-14	30-Apr-14	21-Nov-14A	21-Nov-14A	100%	one A2 - (CH893 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%	pne A2 - (CH793 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%	Zone A2 - (CH843 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%	ter - Zone A2 - (CH893 to 956)
Reclama	tion							
NRC12910	Reclamation - Geotextile - Zone A2 - (CH793 to 843) (deleted)	4	14-May-14	17-May-14	29-Sep-14A	29-Sep-14A	100%	otexțiile - Zone A2 - (CH793 to 843) (del ted)
NRC12920	Reclamation - Geotextile - Zone A2 - (CH843 to 893)	4	19-May-14	22-May-14	29-Sep-14A	29-Sep-14A	100%	eotextile - Zone A2 - (CH843 to 893)
NRC12930	Reclamation - Geotextile - Zone A2 - (CH893 to 956)	3	23-May-14	26-May-14	29-Sep-14A	29-Sep-14A	100%	Geotextile - Zone A2 - (OH893 to 956)
	Reclamation - Sand Blanket - Zone A2 - (CH793 to 843) (deleted)	2	19-May-14	20-May-14	29-Sep-14A	29-Sep-14A	100%	and Blanket - Zone A2 - (CH793 to 843) deleted)
	Reclamation - Sand Blanket - Zone A2 - (CH843 to 893)	3	23-May-14	26-May-14	29-Sep-14A	29-Sep-14A	100%	Sand Blanket - Zone A2 - (CH843 to 893
	Reclamation - Sand Blanket - Zone A2 - (CH893 to 956)	5	27-May-14	31-May-14	29-Sep-14A	29-Sep-14A	100%	- Sand Blanket - Zone A2 - (CH893 to 9(6)
	Reclamation - Band Drain - Zone A2 - (CH793 to 843) (deleted)	4	22-May-14	26-May-14	29-Sep-14A	29-Sep-14A		Band Drain - Zone A2 - (CH793 to 843) deleted)
	Reclamation - Band Drain - Zone A2 - (CH843 to 893)	4	27-May-14	30-May-14	04-Oct-14A	06-Oct-14A	100%	- Band Drain - Zone A2 - (CH843 to 893
	Reclamation - Band Drain - Zone A2 - (CH893 to 956)	5	03-Jun-14	07-Jun-14	04-Oct-14A	06-Oct-14A		on - Band Drain - Zone A2 - (CH898 to 956)
	Public Fill - ZoneA2 - (CH793 to 843) to -2.5mPD	6	04-Jul-14	10-Jul-14	24-Sep-14A	05-Oct-14A	100%	Public Fill - ZoneA2 - (OH793 to 843) to -2.5mPD
	Public Fill - ZoneA2 - (CH843 to 893) to -2.5mPD	6	11-Jul-14	17-Jul-14	03-Oct-14A	04-Nov-14A	100%	Public Fill - ZoneA2 - (CH843 to 899) to -2.5mPD
	Public Fill - Zone A2 - (CH893 to 956) to -2.5mPD	4	18-Jul-14	22-Jul-14	03-Nov-14A	17-Nov-14	80%	- EnDic Fill - Zone A2 - (CH893/to 956) to -2.5m PD
	Public Fill - Zone A2 - (CH793 to 843) to +2.5mPD	7	02-Aug-14	09-Aug-14	26-Sep-14A	23-Oct-14A	100%	Dublic Fill - Zone A2 - (CH796 to 843) to +2.5mPD
	Public Fill - Zone A2 - (CH843 to 893) to +2.5mPD	7	11-Aug-14	18-Aug-14	24-Oct-14A	14-Nov-14A	100%	Public Fill - Zone A2 - (CH843 to 893) to +2.5mPD
	Public Fill- Zone A2 - (CH893 to 956) to +2.5mPD Public Fill - Zone A2 - (CH793 to 843) to +6.0mPD	6	19-Aug-14	25-Aug-14 18-Aug-14	13-Nov-14A 18-Oct-14A	19-Nov-14 31-Oct-14A	100%	Public Fill- Zone A2 - (CH893 to 956) to +2.5mPD
	Public Fill - ZoneA2 - (CH/93 to 843) to +6.0mPD Public Fill - ZoneA2 - (CH843 to 893) to +6.0mPD	7	11-Aug-14 19-Aug-14	18-Aug-14 26-Aug-14	02-Nov-14A	20-Nov-14	55%	Public Fill - Zone A2 - 17 + 793 to 843) to +6.0m PD
	Public Fill - ZoneA2 - (CH843 to 893) to +6.0mPD Public Fill - ZoneA2 - (CH893 to 956) to +6.0mPD	6	19-Aug-14 27-Aug-14	02-Sep-14	21-Nov-14A	20-Nov-14 27-Nov-14	0%	Public Fill - Zone A2 - (CH843 to 893) to +6.0mPD Public Fill - Zone A2 - (CH893 to 956) to +6.0mPD
	Public Fill - ZoneA2 - (CH793 to 943) to +10mPD Public Fill - ZoneA2 - (CH793 to 843) to +10mPD	6	27-Aug-14 22-Oct-14	28-Oct-14	21-100V-14 24-Jan-15	30-Jan-15	0%	Public Fill - Zone A2 - (CH893 to 956) to +6.0mPD Public Fill - Zone A2 - (CH793 to 843) to +10mPD
	Public Fill - ZoneA2 - (CH843 to 893) to +10mPD	7	22-Oct-14 29-Oct-14	05-Nov-14	31-Jan-15	07-Feb-15	0%	Public Fill - Zone A2 - (CH/93 to 843) to +10mPD Public Fill - Zone A2 - (CH/843 to 893) to +10mPD
	Public Fill - ZoneA2 - (CH893 to 956) to +10mPD	4	06-Nov-14	10-Nov-14	09-Feb-15	12-Feb-15	0%	Public Fill - Zone A2 - (CH843 to 853) to +10mPD
	Surcharge Period - Zone A2 - (CH793 to 843)	180	11-Nov-14	09-May-15	13-Feb-15	11-Aug-15	0%	
	NewActivity	0			17-Nov-14	18-Nov-14	0%	
Zone F	·							
CH137 to	O CH184							
	F - Backfilling up to +0.5mPD & T3 Installation - CH137 to CH184	6	22-Jan-14	27-Jan-14	15-Sep-14A	06-Oct-14A	100%	7 to CH184
A6416118	F - Backfilling up to +3.0mPD - CH137 to CH184	2	28-Jan-14	29-Jan-14	07-Oct-14A	10-Oct-14A	100%	$\left\{ \begin{array}{c} \\ \end{array}\right\} \rightarrow \left\{ \end{array}\right\} \rightarrow \left\{ \begin{array}{c} \\ \end{array}\right\} \rightarrow \left\{ \begin{array}{c} \\ \end{array}\right\} \rightarrow \left\{ \end{array}\right\} \rightarrow \left\{ \begin{array}{c} \\ \end{array}\right\} \rightarrow \left\{ \end{array}\right\} \rightarrow \left\{ \begin{array}{c} \\ \end{array}\right\} \rightarrow \left\{ \end{array}\right\} $
A6416120		2	30-Jan-14	31-Jan-14	10-Oct-14A	12-Oct-14A	100%	
A6416320	F - Anchor Wall Installation - CH160 to CH184	2	07-Mar-14	08-Mar-14	10-Oct-14A	11-Oct-14 A	100%	H184
CH184 to	CH231							
	F - Backfilling up to -4.5mPD - CH184 to CH231	2	27-Jan-14	28-Jan-14	27-Aug-14A	08-Oct-14A	100%	
A6416080	F - Backfilling up to +0.5mPD & T3 Installation - CH184 to CH231	6	29-Jan-14	03-Feb-14	22-Sep-14A	20-Oct-14A	100%	184 to CH231
A6416085	F - Backfilling up to +3.0mPD - CH184 to CH231	2	04-Feb-14	05-Feb-14	18-Oct-14A	05-Nov-14A	100%	
	F - Backfilling up to +6.0mPD - CH184 to CH231	2	06-Feb-14	07-Feb-14	06-Nov-14A	08-Nov-14A	100%	

A

A8416865 F - Backfilling up to +3.0mPD - CH194 to CH231 2 04 - Feb 14 05 - Feb 14 10 - CH194 to CH24 100% A8416865 F - Backfilling up to +3.0mPD - CH194 to CH231 2 06 - Feb 14 07 - Feb 14 06 - Nov-14A 100% A8416820 F - Anchor well Installation - CH194 to CH231 4 10 - Mer -14 13 - Mer -14 21 - Nov-14 06 - Nov-14A 06 - Nov-14A 00% A8416820 F - Anchor well Installation to Anchor Well - CH194 to CH231 3 14 - Mer -14 17 - Nov-14 28 - Nov-14A 0% Haip to Anchor Well - CH184 to CH231 A6416820 F - Backfilling up to -4.0mP D & G2 Installation to Anchor Well - CH184 to CH231 2 17 - Mer -14 18 - Mar -14 28 - Nov-14 0% Haip to Anchor Well - CH184 to CH231 1 21 - Mer -14 28 - Nov-14 0% Haip to Anchor Well - CH184 to CH231 1 21 - Mer -14 28 - Nov-14 0% Haip to Anchor Well - CH184 to CH231 1 21 - Mer -14 28 - Nov-14 0% Haip to Anchor Well - CH184 to CH231 1 21 - Mer -14 28 - Nov-14 0% Haip to Anchor Well - CH184 to CH231 1 21 - Mer -14 28 - Nov-14 0% 23 - Nov-14 0%											
A6416230 F - Anchor well Installation - CH184 to CH231 4 10-Mar-14 13-Mar-14 17-Nov-14 20-Nov-14 0% H231 A6416230 F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall- CH184 to CH231 3 14-Mar-14 18-Mar-14 21-Nov-14 0% H231 A6416230 F - Backfilling up to -3.0mPD & G2 Installation to Anchor Wall- CH184 to CH231 2 17-Mar-14 18-Mar-14 24-Nov-14 0% tallation to Anchor Wall- CH184 to CH231 A6416230 F - Backfilling up to -3.0mPD & G1 Installation to Anchor Wall - CH184 to CH231 2 19-Mar-14 24-Nov-14 25-Nov-14 0% tallation to Anchor Wall- CH184 to CH231 A6416230 F - Backfilling up to -6.0mPD to Existing Seawall - CH184 to CH231 1 21-Mar-14 28-Nov-14 27-Nov-14 0% or Wall - CH184 to CH231 A6416230 F - Backfilling up to -75mPD & T1 Installation - CH231 to CH278 4 22-Mar-14 28-Nov-14 0% or Wall - CH184 to CH231 1 21-Mar-14 28-Nov-14 0% or Wall - CH184 to CH231 1 1 21-Mar-14 28-Nov-14 0% 0% 31 to CH278 1 1 1 21-Mar-14 28-Nov-14 0%		A6416085	F - Backfilling up to +3.0mF	PD - CH184 to CH231	2	04-Feb-14	05-Feb-14	18-Oct-14A	05-Nov-14A	100%	
A6416230 F- Backfilling up to 0.0mPD & G2 Installation to Anchor Wall- CH184 to CH231 3 14-Mar-14 16-Mar-14 21-Nov-14 23-Nov-14 0% allaspr to Anchor Wall- CH184 to CH231 1 1 18-Mar-14 16-Mar-14 21-Nov-14 23-Nov-14 0% allaspr to Anchor Wall- CH184 to CH231 1 1 1 18-Mar-14 24-Nov-14 25-Nov-14 0% allaspr to Anchor Wall- CH184 to CH231 1 1 1 1 1 1 1 21-Mar-14 28-Nov-14 25-Nov-14 0% allaspr to Anchor Wall- CH184 to CH231 1 1 1 1 1 1 1 1 1 1 1 1 21-Mar-14 28-Nov-14 27-Nov-14 0% or Wall - CH184 to CH231 1 1 1 1 21-Mar-14 28-Nov-14 28-Nov-14 0% Nov-14		A6416090	F - Backfilling up to +6.0mF	PD - CH184 to CH231	2	06-Feb-14	07-Feb-14	06-Nov-14A	08-Nov-14A	100%	
A6416295 F. Backfilling up to +3.0mPD & G1 Installation to Anchor Wall- CH184 to 2 17-Mar-14 18-Mar-14 24-Nov-14 25-Nov-14 0% stallation to Anchor Wall- CH184 to CH231 A6416295 F. Backfilling up to +6.0mPD to Anchor Wall - CH184 to CH231 2 19-Mar-14 20-Mar-14 26-Nov-14 27-Nov-14 0% stallation to Anchor Wall- CH184 to CH231 1 21-Mar-14 21-Mar-14 28-Nov-14 0% stallation to Anchor Wall- CH184 to CH231 1 21-Mar-14 28-Nov-14 28-Nov-14 0% stallation to Anchor Wall- CH184 to CH231 1 21-Mar-14 28-Nov-14 28-Nov-14 0% stallation to Anchor Wall- CH184 to CH231 1 21-Mar-14 28-Nov-14 28-Nov-14 0% stallation - CH231 to CH278 1 21-Mar-14 28-Nov-14 28-Nov-14 0% stallation - CH231 to CH278 1 1 21-Mar-14 28-Nov-14 28-Nov-14 0% 231 to CH278 1 1 1 21-Mar-14 28-Nov-14 28-Nov-14 7% 1 1 1 29-Mar-14 28-Nov-14 0% 231 to CH278 1 1 1 21-Mar-14 28-Nov-14 30-Nov-14 0% 231		A6416230	F - Anchor wall Installation -	CH184 to CH231	4	10-Mar-14	13-Mar-14	17-Nov-14	20-Nov-14	0%	CH231
CH231 CH231 CH231 2 19-Mar-14 20-Mar-14 26-Nov-14 27-Nov-14 0% or Wall - CH194 to CH231 add16400 A6416300 F - Backfilling up to +6.0mPD to Anchor Wall - CH184 to CH231 1 21-Mar-14 28-Nov-14 28-Nov-14 0% or Wall - CH194 to CH231 Segwall - CH194 to CH231 CH231 to CH278 CH231 to CH278 1 21-Mar-14 28-Mar-14 28-Nov-14 28-Nov-14 75% nstaflation - CH231 to CH278 A6416200 F - Backfilling up to -4.5mPD & CH231 to CH278 4 22-Mar-14 28-Mar-14 28-Nov-14 75% nstaflation - CH231 to CH278 A6416200 F - Backfilling up to -4.5mPD - CH231 to CH278 2 26-Mar-14 27-Mar-14 28-Nov-14 75% nstaflation - CH231 to CH278 Page 4 of 17 Planned Bar Planned Bar Planned Bar Planned Bar Planned Bar Planned Milestone Planned Milestone Planned Milestone Progress bar Detailed Works Programme Image Content or Mark Image Content or Ma		A6416290	F - Backfilling up to 0.0mPE	& G2 Installation to Anchor Wall- CH184 to CH231	3	14-Mar-14	16-Mar-14	21-Nov-14	23-Nov-14	0%	allation to Anchor Wall- CH184 to CH231
A6416300 F - Backfilling up to +6.0mPD to Anchor Wall - CH184 to CH231 2 19-Mar-14 20-Mar-14 26-Nov-14 0% or Wall - CH184 to CH231 1 21-Mar-14 21-Mar-14 28-Nov-14 0% or Wall - CH184 to CH231 1 21-Mar-14 21-Mar-14 28-Nov-14 0% or Wall - CH184 to CH231 1 21-Mar-14 21-Mar-14 28-Nov-14 0% or Wall - CH184 to CH231 1 21-Mar-14 21-Mar-14 28-Nov-14 0% or Wall - CH184 to CH231 1 21-Mar-14 21-Mar-14 28-Nov-14 0% or Wall - CH184 to CH231 1 21-Mar-14 28-Nov-14 0% or Wall - CH184 to CH231 1 1 21-Mar-14 28-Nov-14 0% or Wall - CH184 to CH231 1 1 21-Mar-14 28-Nov-14 0% or Wall - CH184 to CH231 1 1 21-Mar-14 28-Nov-14 0% or Wall - CH184 to CH231 1 1 21-Mar-14 28-Nov-14 0% or Wall - CH184 to CH231 1 1 21-Mar-14 28-Nov-14 0% 0% 231 to CH278 1 1 1 21-Mar-14 28-Nov-14 0% 231 to CH278 1 1		A6416295		PD & G1 Installation to Anchor Wall- CH184 to	2	17-Mar-14	18-Mar-14	24-Nov-14	25-Nov-14	0%	stallation to Anchor Wall- CH184 to CH231
CH231 to CH278 CH231 to CH278 Installation - CH231 to CH278 Installation - CH231 to CH278 A6416260 F - Backfilling up to -4.5m PD & T1 Installation - CH231 to CH278 4 22-Mar-14 25-Mar-14 03-Nov-14A 23-Nov-14 75% Installation - CH231 to CH278 A6416270 F - Backfilling up to -4.5m PD - CH231 to CH278 2 26-Mar-14 27-Mar-14 29-Nov-14 30-Nov-14 0% 23 to CH278 Page 4 of 17 Planned Bar Planned Milestone TMCLK - Northern Connection Sub-Sea Tunnel Section Detailed Works Programme Detailed Works Programme Detailed Works Programme		A6416300		PD to Anchor Wall - CH184 to CH231	2	19-Mar-14	20-Mar-14	26-Nov-14	27-Nov-14	0%	nor Wall - CH184 to CH231
A6416260 F · Backfilling up to -7.5mPD & T1 Installation · CH231 to CH278 4 22·Mar-14 25·Mar-14 03·Nov-14A 23·Nov-14 75% Installation · CH231 to CH278 A6416270 F · Backfilling up to -4.5mPD - CH231 to CH278 2 26·Mar-14 27·Mar-14 29·Nov-14 30·Nov-14 0% 231 to CH278 1 Image: A difference of the character of the charac		A6416400	F - Backfilling to +6.0m PD	to Existing Seawall - CH184 to CH231	1	21-Mar-14	21-Mar-14	28-Nov-14	28-Nov-14	0%	g Seewall - CH184 to CH231
A6416270 F - Backfilling up to -4.5mPD - CH231 to CH278 2 26-Mar-14 27-Mar-14 29-Nov-14 30-Nov-14 0% 231 to CH278 1 <t< td=""><td></td><td>CH231 to</td><td>CH278</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>		CH231 to	CH278								
Page 4 of 17 Date Revision Checked Approved Project ID: TMCLK_DWPB 14W45-3 Planned Bar Planned Bar Multiclustrian SPa WYu Data Date: 17-Nov-14 Progress bar TMCLK - Northern Connection Sub-Sea Tunnel Section Image: Checked Approved Image: Checked Approved		A6416260	F - Backfilling up to -7.5mP	D & T1 Installation - CH231 to CH278	4	22-Mar-14	25-Mar-14	03-Nov-14A	23-Nov-14	75%	Installation - CH231 to CH278
Project ID: TMCLK_DWPB 14W45-3 Data Date: 17-Nov-14 Planned Milestone Progress bar Detailed Works Programme		A6416270	F - Backfilling up to -4.5m P	D - CH231 to CH278	2	26-Mar-14	27-Mar-14	29-Nov-14	30-Nov-14	0%	231 to CH278
Detailed Works Programme	Project	ID: TMCLK_	_	 Planned Bar Planned Milestone 	TMCL	.K - Northerr	n Connectior	n Sub-Sea Ti	unnel Section	D	21-Feb-14 TMCLK/DBJ/GEN/PR SPa WYu 港寶嘉 Dragoges
	Data Di					Deta	ailed Works	Programme			
Progress as of 17-Nov-14						Pro	ogress as of	17-Nov-14			

Dur Start Finish % Comp 2001 Aut A4416272 F- Backfilling up to +0.5mPD & T3 installation - CH231 to CH278 6 28-Mur-14 02-Apr-14 03-Doc-14 09-Doc-14 0% Talepatities of CH231 to CH278 A4416272 F- Backfilling up to +0.5mPD & T3 installation - CH231 to CH278 2 05-Apr-14 04-Apr-14 09-Doc-14 10-Doc-14 0% CH231 to CH278 A6416280 F- Backfilling up to +0.5mPD & CH231 to CH278 2 05-Apr-14 10-Apr-14 13-Doc-14 0% CH231 to CH278 A6416280 F- Backfilling up to +0.5mPD & CH231 to CH278 2 16-Apr-14 10-Apr-14 13-Doc-14 0% 6 6 6 6 14-Apr-14 13-Apr-14 13-Doc-14 0% 6 11-Bat14 16-Apr-14 16-Apr-14 17-Apr-14 22-Doc-14 0% 6 6 11-Bat14 13-Apr-14 13-Apr-14 23-Doc-14 0% 6 6 11-Bat14 13-Apr-14 13-Apr-14 23-Doc-14 0% 6 6 1-Bat14 13-Apr-14 13-A	Oct Nov Dec Jan Feb Mar Apr May 1278 10 12
A6416273 F. Backfilling up to 4.0mPD & 13 installation - CH231 to CH278 6 28 Mar-14 02: Agr-14 03: Dec-14 04: Bit Dec-14 <th04: bit="" dec-14<="" th=""> <th04: bit="" dec-14<="" th=""></th04:></th04:>	H278 /all - CH231 to CH278 Wall - CH231 to CH278 to CH278 327 Wall - CH278 to CH327
A641620 F Backfilling up to +6.0mPD - CH231 to CH278 2 05.4pr-14 10-ber-14 11-ber-14 12-ber-14 0% CH231 to CH278 A641630 F Aackfilling up to -6.0mPD - CH231 to CH278 4 07.4pr-14 10.4pr-14 13-ber-14 17-ber-14 0% K21 to CH278 A641640 F Backfilling up to -3.0mPD & G2 Installation to Anchor Wall - CH231 to CH278 2 14-Apr-14 13-Apr-14 13-ber-14 22-ber-14 0% 8 G1 Installation to Anchor Wall - CH231 to CH278 2 16-Apr-14 17-Apr-14 23-ber-14 24-ber-14 0% 8 G1 Installation to Anchor Wall - CH231 to CH278 2 16-Apr-14 17-Apr-14 23-ber-14 24-ber-14 0% 6 G1 Installation to Anchor Wall - CH231 to CH278 2 16-Apr-14 17-Apr-14 23-ber-14 24-ber-14 0% 0 anchorbr Wall - CH231 to CH278 0 64/sto 50 F Backfilling up to -40.0mPD to Existing Seavell - CH231 to CH278 1 18-Apr-14 18-Apr-14 25-ber-14 0% 0 CH277 A6416109 F - Marine Sheet Pilling (H1) - CH278 to CH327 5 25-Feb-14	Wall - CH231 to CH278 to CH278 327 Wall - CH278 to CH327
A6416310 F. Anchor will Installation - CH231 to CH278 4 07-Apr-14 10-Apr-14 13-Dac-14 17-Dec-14 0% H231 to CH278 A6416300 F. Backfilling up to 0.0mPD & G2 Installation to Anchor Wall - CH231 to CH278 3 11-Apr-14 13-Apr-14 13-Dac-14 12-Dac-14 0% 6.2 Installation to Anchor Wall - CH278 A6416400 F. Backfilling up to 4.0mPD & G1 Installation to Anchor Wall - CH231 to CH278 2 16-Apr-14 17-Apr-14 23-Dac-14 24-Dac-14 0% 8.3 Installation to Anchor Wall - CH278 A6416510 F. Backfilling up to 4.0mPD to Existing Seawall - CH231 to CH278 1 18-Apr-14 18-Apr-14 25-Dac-14 0% 0 6-Eisting Seawall - CH231 to CH278 CH278 to CH327 5 25-Feb-14 01-Mar-14 29-Sep-14A 09-Oct-14A 100% 827 A6416190 F. Marine Sheet Piling (H1) - CH278 to CH327 5 12-Mar-14 17-Mar-14 29-Sep-14A 09-Nor-14A 100% 827 A6416190 F. Marine Sheet Piling (H1) - CH278 to CH327 5 18-Mar-14 29-Nor-14 06-Nor-14A 100% 827	Wall - CH231 to CH278 to CH278 327 Wall - CH278 to CH327
A6416480 F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall - CH231 to CH278 3 11-Apr-14 13-Apr-14 18-Dec-14 20-Dec-14 0% & G2 Installation to Anchor Wall - CH231 to CH278 A6416490 F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall - CH231 to CH278 2 16-Apr-14 17-Apr-14 23-Dec-14 24-Dec-14 0% D & Act Installation to Anchor Wall - CH231 to CH278 A6416500 F - Backfilling up to +6.0mPD to Anchor Wall - CH231 to CH278 2 16-Apr-14 17-Apr-14 23-Dec-14 24-Dec-14 0% D to Anchor Wall - CH231 to CH278 A6416500 F - Backfilling up to +6.0mPD to Existing Seawall - CH231 to CH278 1 18-Apr-14 18-Apr-14 25-Dec-14 25-Dec-14 0% D to Anchor Wall - CH231 to CH327 CH278 to CH327 5 25-Feb-14 01-Mar-14 28-Oct-14A 09-Oct-14A 100% s C 4327 A6416190 F - Marine Sheet Piling (H1) - CH278 to CH327 5 12-Mar-14 17-Mar-14 28-Oct-14A 09-Oct-14A 100% s C 4327 A6416190 F - Backfilling up to -0.5mPD & T2 Installation - CH278 to CH327 5 12-Mar-14	Wall - CH231 to CH278 to CH278 327 Wall - CH278 to CH327
A6416490 F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall - CH231 to CH278 2 14-Apr-14 15-Apr-14 21-Dec-14 22-Dec-14 0% 0 8 G1 Installation to Anchor CH278 A6416500 F - Backfilling up to +3.0mPD to Existing Seawall - CH231 to CH278 2 16-Apr-14 17-Apr-14 23-Dec-14 0% D to Anchor Wall - CH231 to Ash16510 F - Backfilling up to +6.0mPD to Existing Seawall - CH231 to CH278 1 18-Apr-14 18-Apr-14 23-Dec-14 26-Dec-14 0% to Eristing Seawall - CH231 to CH278 to CH327 A6416190 F - Marine Sheet Pling (H1) - CH278 to CH327 5 25-Feb-14 01-Mar-14 29-Sep-14A 06-Oct-14A 100% o27 A6416190 F - Marine Sheet Pling (H1) - CH278 to CH327 5 12-Mar-14 17-Mar-14 29-Oct-14A 06-Nov-14A 100% o27 A6416190 F - Backfilling up to -3.5mPD & CH327 5 12-Mar-14 22-Mar-14 24-Nov-14 28-Nov-14 0% o27 A6416200 F - Backfilling up to -5.5mPD - CH278 to CH327 5 12-Mar-14 26-Mar-14 29-Nov-14 0% c27 c6 H327 <td>Wall - CH231 to CH278 to CH278 327 Wall - CH278 to CH327</td>	Wall - CH231 to CH278 to CH278 327 Wall - CH278 to CH327
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A6416510 F - Backfilling to +6.0mPD to Existing Seawall - CH231 to CH278 1 18-Apr-14 18-Apr-14 25-Dec-14 25-Dec-14 0% to Existing Seawall - CH231 to CH2327 5 25-Feb-14 01-Mar-14 29-Sep-14A 09-Oct-14A 100% oz CH231 to CH2327 A6416195 F - Marine Sheet Piling (H1) - CH278 to CH327 5 12-Mar-14 17-Mar-14 28-Oct-14A 05-Nov-14A 100% to CH2327 A6416200 F - Backfilling up to -3.5mPD & T2 Installation - CH278 to CH327 5 18-Mar-14 28-Mar-14 29-Nov-14 0% 278 to CH327 A6416210 F - Backfilling up to +0.5mPD - CH278 to CH327 5 27-Mar-14 31-Mar-14 03-Dec-14 0% 278 to CH327 A6416210 F - Backfilling up to +6.0mPD - CH278 to CH327 5 27-Mar-14 31-Mar-14 03-Dec-14 0%-Dec-14 0% 4 Installation - CH278 to CH327 A6416220 F - Backfilling up to +6.0mPD - CH278 to CH327 2 01-Apr-14	to CH278 327 Wall - CH278 to CH327
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A6416195 F - Marine Sheet Piling (H2) - CH278 to CH327 5 12-Mar-14 17-Mar-14 28-Oct-14A 05-Nov-14A 100% to CH327 A6416200 F - Backfilling up to -3.5m PD & T2 Installation - CH278 to CH327 5 18-Mar-14 22-Mar-14 24-Nov-14 28-Nov-14 0% stallation - CH278 to CH327 A6416210 F - Backfilling up to +0.5m PD - CH278 to CH327 4 23-Mar-14 26-Mar-14 29-Nov-14 0% 278 to CH327 A6416210 F - Backfilling up to +3.0m PD & T4 Installation - CH278 to CH327 5 27-Mar-14 31-Mar-14 03-Dec-14 0% 278 to CH327 A6416220 F - Backfilling up to +6.0m PD - CH278 to CH327 5 27-Mar-14 31-Mar-14 03-Dec-14 0% Hattaltion - CH278 to CH327 A6416340 F - Anchor wall Installation - CH278 to CH327 2 01-Apr-14 12-Apr-14 08-Dec-14 0% CH278 to CH327 A6416520 F - Backfilling up to 0.0m PD & G2 Installation to Anchor Wall - CH278 to CH327 3 16-Apr-14 18-Dec-14 28-Dec-14 0% N278 to CH327 A6416520 F - Backfilling up to -3.0	327 Wall - CH278 to CH327
A6416200 F - Backfilling up to -3.5mPD & T2 Installation - CH278 to CH327 5 18-Mar-14 22-Mar-14 24-Nov-14 28-Nov-14 0% stallation - CH278 to CH327 A6416210 F - Backfilling up to +0.5mPD - CH278 to CH327 4 23-Mar-14 26-Mar-14 29-Nov-14 02-Dec-14 0% 278 to CH327 A6416215 F - Backfilling up to +3.0mPD & T4 Installation - CH278 to CH327 5 27-Mar-14 31-Mar-14 03-Dec-14 0% 4 Installation - CH278 to CH327 A6416220 F - Backfilling up to +6.0mPD - CH278 to CH327 2 01-Apr-14 02-Apr-14 08-Dec-14 0% 2H278 to CH327 A6416320 F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall - CH278 to CH327 4 11-Apr-14 15-Apr-14 18-Dec-14 0% 2H278 to CH327 A6416520 F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall - CH278 to CH327 3 16-Apr-14 18-Apr-14 23-Dec-14 0% 24-Installation to Anchor Mall - CH278 to CH327 A6416530 F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall - CH278 to CH327 3 19-Apr-14 21-Apr-14 28-Dec-14 0% <td< td=""><td>327 Wall - CH278 to CH327</td></td<>	327 Wall - CH278 to CH327
A6416210 F - Backfilling up to +0.5mPD - CH278 to CH327 4 23-Mar-14 26-Mar-14 29-Nov-14 02-Dec-14 0% 278 to CH327 A6416210 F - Backfilling up to +3.0mPD & T4 Installation - CH278 to CH327 5 27-Mar-14 31-Mar-14 03-Dec-14 07-Dec-14 0% 4 Installation - CH278 to CH327 A6416220 F - Backfilling up to +6.0mPD - CH278 to CH327 2 01-Apr-14 02-Apr-14 08-Dec-14 09-Dec-14 0% H278 to CH327 A6416320 F - Backfilling up to +6.0mPD - CH278 to CH327 4 11-Apr-14 15-Apr-14 18-Dec-14 09-Dec-14 0% CH278 to CH327 A6416520 F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall - CH278 to CH327 3 16-Apr-14 18-Apr-14 23-Dec-14 0% 8 G2 Installation to Anchor Mall - CH278 to CH327 A6416530 F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall - CH278 to CH327 3 19-Apr-14 21-Apr-14 28-Dec-14 0% PD & G1 Installation to Anchor Mall - CH278 to CH327 A6416540 F - Backfilling up to +6.0mPD to Anchor Wall - CH278 to CH327 3 22-Apr-14 24-Apr-14 2	327 Wall - CH278 to CH327
A6416215 F - Backfilling up to +3.0mPD & T4 Installation - CH278 to CH327 5 27-Mar-14 31-Mar-14 03-Dec-14 07-Dec-14 0% 4 Installation - CH278 to CH327 A6416220 F - Backfilling up to +6.0mPD - CH278 to CH327 2 01-Apr-14 02-Apr-14 08-Dec-14 0% 24 Par278 to CH327 A6416340 F - Anchor wall Installation - CH278 to CH327 4 11-Apr-14 15-Apr-14 18-Dec-14 0% 24 Par278 to CH327 A6416520 F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall - CH278 to CH327 3 16-Apr-14 18-Apr-14 23-Dec-14 0% 24 Par278 to CH327 A6416530 F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall - CH278 to CH327 3 16-Apr-14 18-Apr-14 28-Dec-14 0% 24 Par28 to CH327 A6416530 F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall - CH278 to CH327 3 19-Apr-14 21-Apr-14 26-Dec-14 28-Dec-14 0% PD & G1 Installation to Apchor CH378 A6416540 F - Backfilling up to +6.0mPD to Anchor Wall - CH278 to CH327 3 22-Apr-14 24-Apr-14 29-Dec-14 0% 1PD to An	Wall - CH278 to CH327
A6416320 F - Backfilling up to +6.0mPD - CH278 to CH327 Q O1-Apr-14 O2-Apr-14 O8-Dec-14 O9-Dec-14 O% CH278 to CH327 A6416340 F - Anchor wall Installation - CH278 to CH327 4 11-Apr-14 15-Apr-14 18-Dec-14 0% CH278 to CH327 A6416520 F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall - CH278 to CH327 4 11-Apr-14 18-Apr-14 23-Dec-14 0% CH278 to CH327 A6416530 F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall - CH278 to CH327 3 16-Apr-14 21-Apr-14 26-Dec-14 0% PD & G1 Installation to Anchor Wall - CH278 to CH327 A6416540 F - Backfilling up to +6.0mPD to Anchor Wall - CH278 to CH327 3 22-Apr-14 24-Apr-14 29-Dec-14 0% PD & G1 Installation to Anchor Wall - CH278 to CH327 A6416550 F - Backfilling up to +6.0mPD to Anchor Wall - CH278 to CH327 3 22-Apr-14 24-Apr-14 29-Dec-14 0% PD to Anchor Wall - CH278 to CH327 A6416550 F - Backfilling up to +6.0mPD to Existing Seawall - CH278 to CH327 1 25-Apr-14 01-Jan-15 0% D1-Jan-15 0%	Wall - CH278 to CH327
A6416340 F - Anchor wall Installation - C H278 to CH327 4 11-Apr-14 15-Apr-14 18-Dec-14 22-Dec-14 0% C H278 to CH327 A6416340 F - Anchor wall Installation - C H278 to CH327 4 11-Apr-14 15-Apr-14 18-Dec-14 22-Dec-14 0% C H278 to CH327 A6416520 F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall - CH278 to CH327 3 16-Apr-14 18-Apr-14 23-Dec-14 25-Dec-14 0% D & G2 Installation to Anchor Mall - CH278 to Anchor Wall - CH278 to CH327 3 19-Apr-14 21-Apr-14 26-Dec-14 28-Dec-14 0% PD & G1 Installation to Anchor Mall - CH278 to CH327 A6416540 F - Backfilling up to +6.0mPD to Anchor Wall - CH278 to CH327 3 22-Apr-14 24-Apr-14 29-Dec-14 31-Dec-14 0% PD to Anchor Wall - CH278 A6416550 F - Backfilling to +6.0mPD to Existing Seawall - CH278 to CH327 1 25-Apr-14 25-Apr-14 01-Jan-15 0% D to Existing Spawall - CH278	
Access F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall - CH278 to CH327 3 16-Apr-14 18-Apr-14 23-Dec-14 25-Dec-14 0% 6 G2 Installation to Anchor A6416530 F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall - CH278 to CH327 3 19-Apr-14 21-Apr-14 26-Dec-14 28-Dec-14 0% PD & G1 Installation to Anchor A6416540 F - Backfilling up to +6.0mPD to Anchor Wall - CH278 to CH327 3 22-Apr-14 24-Apr-14 29-Dec-14 31-Dec-14 0% PD to Anchor Wall - CH278 A6416550 F - Backfilling up to +6.0mPD to Existing Seawall - CH278 to CH327 1 25-Apr-14 25-Apr-14 01-Jan-15 0% D to Existing Seawall - CH278	
A6416530 F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall - CH278 to CH327 3 19-Apr-14 21-Apr-14 26-Dec-14 28-Dec-14 0% PD & G1 Installation to Anchor Wall - CH278 to CH327 A6416540 F - Backfilling up to +6.0mPD to Anchor Wall - CH278 to CH327 3 22-Apr-14 24-Apr-14 29-Dec-14 31-Dec-14 0% PD to Anchor Wall - CH278 A6416550 F - Backfilling to +6.0mPD to Existing Seawall - CH278 to CH327 1 25-Apr-14 25-Apr-14 01-Jan-15 0% D to Existing Seawall - CH278	
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A6416540 F - Backfilling up to +6.0mPD to Anchor Wall - CH278 to CH327 3 22-Apr-14 24-Apr-14 29-Dec-14 31-Dec-14 0% PD to Anchor Wall - CH278 A6416550 F - Backfilling to +6.0mPD to Existing Seawall - CH278 to CH327 1 25-Apr-14 25-Apr-14 01-Jan-15 0% D to Existing Seawall - CH278	
	i to CH327
	/8 to CH327
A6416140 F - Marine Sheet Piling (H1) - CH327 to CH381 4 03-Mar-14 06-Mar-14 30-Aug-14A 23-Oct-14A 100% H381	
A6416145 F - Marine Sheet Piling (H2) - CH327 to CH381 4 07-Mar-14 11-Mar-14 15-Sep-14A 23-Oct-14A 100% CH381	
A6416150 F - Backfilling up to -3.5m PD & T2 Installation - CH327 to CH381 4 12-Mar-14 15-Mar-14 08-Nov-14A 23-Nov-14 85% allation - CH327 to CH381	
A6416155 F - Backfilling up to+ 0.5mPD - CH327 to CH381 3 16-Mar-14 18-Mar-14 24-Nov-14 26-Nov-14 0% 7 to CH381	
A6416160 F - Backfilling up to +3.0mPD & T4 Installation - CH327 to CH381 5 19-Mar-14 23-Mar-14 27-Nov-14 01-Dec-14 0% nstallation - CH327 to CH381	1
Add16170 F - Backfilling up to +6.0mPD - CH327 to CH381 3 24-Mar-14 26-Mar-14 04-Dec-14 0% 327 to CH381	
Ade416370 F - Anchor wall Installation - CH327 to CH381 3 16-Apr-14 22-Apr-14 23-Dec-14 27-Dec-14 0% - CH327 to CH381	
A6416560 F - Backfilling up to 0.0mPD & G2 Installation to Anchor Wall - CH327 to CH381 3 23-Apr-14 25-Apr-14 28-Dec-14 30-Dec-14 0% PD & G2 Installation to Anchor	nr Wall- CH327 to CH381
A6416570 F - Backfilling up to +3.0mPD & G1 Installation to Anchor Wall - CH327 to 3 26-Apr-14 28-Apr-14 31-Dec-14 02-Jan-15 0% JmPD & G1 Installation to Anchor Wall - CH327 to A 3 26-Apr-14 28-Apr-14 31-Dec-14 02-Jan-15 0% JmPD & G1 Installation to Anchor Wall - CH327 to A 3 26-Apr-14 28-Apr-14 31-Dec-14 02-Jan-15 0% JmPD & G1 Installation to Anchor Wall - CH327 to A 3 26-Apr-14 28-Apr-14 31-Dec-14 02-Jan-15 0% JmPD & G1 Installation to Anchor Wall - CH327 to A 3 26-Apr-14 28-Apr-14 31-Dec-14 02-Jan-15 0% JmPD & G1 Installation to Anchor Wall - CH327 to A 3 26-Apr-14 28-Apr-14 31-Dec-14 02-Jan-15 0% JmPD & G1 Installation to Anchor Wall - CH327 to A 3 26-Apr-14 28-Apr-14 31-Dec-14 02-Jan-15 0% JmPD & G1 Installation to Anchor Wall - CH327 to A 3 26-Apr-14 28-Apr-14 31-Dec-14 02-Jan-15 0% JmPD & G1 Installation to Anchor Wall - CH327 to A 3 26-Apr-14 28-Apr-14 31-Dec-14 02-Jan-15 0% JmPD & G1 Installation to Anchor Wall - CH327 to A 3 26-Apr-14 28-Apr-14 31-Dec-14 02-Jan-15 0% JmPD & G1 Installation to Anchor Wall - CH327 to A 3 26-Apr-14 28-Apr-14 31-Dec-14 02-Jan-15 0% JmPD & G1 Installation to Anchor Wall - CH327 to A 3 26-Apr-14 28-Apr-14 31-Dec-14 02-Jan-15 0% JmPD & G1 Installation to Anchor Wall - CH327 to A 3 26-Apr-14 28-Apr-14 31-Dec-14 02-Jan-15 0% JmPD & G1 Installation to Anchor Wall - CH327 to A 3 26-Apr-14 28-Apr-14 31-Dec-14 02-Jan-15 0% JmPD & G1 Installation to Anchor Wall - CH327 to A 3 26-Apr-14 28-Apr-14 31-Dec-14 02-Jan-15 0% JmPD & G1 Installation to Anchor Wall - CH327 to A 3 26-Apr-14 28-Apr-14 28-Apr-14 31-Dec-14 02-Jan-15 0% JmPD & G1 Installation to Anchor Wall - CH327 to A 3 26-Apr-14 28-Apr-14 31-Dec-14 02-Jan-15 0% JmPD & G1 Installation to Anchor Wall - CH327 to A 3 26-Apr-14 28-Apr-14 31-Dec-14 02-Jan-15 0% JmPD & G1 Installation to Anchor Wall - CH327 to A 3 3 26-Apr-14 31-Dec-14 02-Jan-15 0% JmPD & G1 JmPD & G	
CH381 CH381	
A6416580 F - Backfilling up to +6.0mPD to Anchor Wall - CH327 to CH381 2 29-Apr-14 30-Apr-14 03-Jan-15 04-Jan-15 0% 0mPD to Anchor Wall - CH32 Deleter 5 5 5 5 5 5 6 5 6 5 6 5 6 5 6 5 6 5 6 6 5 6	
A6416590 F - Backfilling to +6.0m PD to Existing Seawall - CH327 to CH381 1 01-May-14 01-May-14 05-Jan-15 0% PD to Existing Seawall - CH327	327 to CH381
Box Culvert Extension	
Design Submission	
(D10) IFA Temp.works - Extension of Existing Culvert adjacent to RTT	
DD04360 SO's Review 35 20-May-14 23-Jun-14 18-Jul-14A 04-Oct-14A 100% Review	
DD04370 SO Approval with Condition Received 0 23-Jun-14 04-Oct-14A 100% proval with Condition Received	ved
DD04960 Works Commencement - Temporary ELS for Box Culvert (Stage 3) 0 02-Jul-14 04-Oct-14A 100% orks Commencement - Temp	porary ELS for Box Culvert (Stage 3)
CH000 to CH137	
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%	red Pile Construction - A43 to A62 (4 Rigs) & Land Sheet Piling
A6416680 Backfilling for Surcharge 18 24-Sep-14 16-Oct-14 17-Nov-14 06-Dec-14 0%	Backfilling for Surcharge
A6416690 Surcharge Period 180 17-Oct-14 14-Apr-15 07-Dec-14 04-Jun-15 0%	Syrcha
CH137 to CH184	
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% Bored Bored	ad Pile Construction - A42 to A35
A6416770 Backfilling for Surcharge 12 20-Sep-14 06-Oct-14 17-Nov-14 29-Nov-14 0%	Backfilling for Surcharge
A6416780 Surcharge Period 180 07-Oct-14 04-Apr-15 30-Nov-14 28-May-15 0%	Surcharge
CH184 to CH231	
A6416620 Predrilling - CH184 to CH231 24 22-Mar-14 23-Apr-14 08-Nov-14A 17-Dec-14 33% 231	
A6416730 Bored Pile Construction - A34 to A27 156 22-Mar-14 30-Sep-14 30-Oct-14A 13-May-15 18%	3ored Pile Construction - A34 to A27
A6416790 Backfilling for Surcharge 12 03-Oct-14 16-Oct-14 14-May-15 28-May-15 0%	Backfilling for Surcharge
A6416860 Surcharge Period 105 17-Oct-14 26-Feb-15 29-May-15 02-Oct-15 0%	Surcharge Period
A6417160 Surcharge Removal - CH184 to CH231 6 27-Feb-15 05-Mar-15 03-Oct-15 09-Oct-15 0%	Surcharge Removal
CH231 to CH278	
A6416630 Predrilling - CH231 to CH278 24 22-Apr-14 21-May-14 27-Dec-14 24-Jan-15 0% 231 to CH278	
A6416740 Bored Pile Construction - A26 to A19 143 22-Apr-14 13-Oct-14 27-Dec-14 27-Jun-15 0%	Bored Pile Construction - A26 to A19
A6416800 Backfilling for Surcharge 12 14-Oct-14 27-Oct-14 29-Jun-15 13-Jul-15 0%	Backfilling for Surcharge
A6416830 Surcharge Period 105 28-Oct-14 09-Feb-15 14-Jul-15 26-Oct-15 0%	Surcharge Period
A6417200 Surcharge Removal - CH231 to CH278 6 10-Feb-15 16-Feb-15 27-Oct-15 02-Nov-15 0%	Surcharge Removal - CH2
A6417210 Excavation down to S1 level - CH231 to CH278 8 17-Feb-15 04-Mar-15 03-Nov-15 11-Nov-15 0%	Excavation down to S
CH278 to CH327	
CH278 to CH327	Bored Pile Construction - A18 to A11
CH278 to CH327 24 26-Apr-14 26-May-14 02-Jan-15 29-Jan-15 0% 1278 to CH327	
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DD 70830 ICE Approval & Issue Check Cert 18 04-Nov-14 25-Nov-14 25-Apr-15 18-May-15 0% DD 70840 Submit ICE Check Cert to SO 0 25-Nov-14 25-Apr-15 18-May-15 0% DD 70850 IPs Review 28 04-Nov-14 02-Dec-14 25-Apr-15 23-May-15 0% DD 70850 IPs No Objection Received 0 0 02-Dec-14 25-Apr-15 23-May-15 0% DD 70850 IPs No Objection Received 0 02-Dec-14 02-Dec-14 0% 1Ps No Objection Received DD 70850 SO's Review 35 04-Nov-14 09-Dec-14 25-Apr-15 30-May-15 0% DD 70850 SO Approval with Condition Received 0 0 09-Dec-14 25-Apr-15 30-May-15 0% SO's Review SO's Review SO's Review SO's Approval with Condition Received 0 0 09-Dec-14 30-May-15 0% SO's Approval with Condition Received \$SO's Approval with Condition Received \$SO's Approval with Condition Received \$SO's Approval with Condition Received	
DD70840 Submit ICE Check Cert to SO 0 25-Nov-14 18-May-15 0% DD70850 IPs Review 28 04-Nov-14 02-Dec-14 25-Apr-15 23-May-15 0% DD70860 IPs No Objection Received 0 02-Dec-14 25-Apr-15 23-May-15 0% DD70870 SO's Review 0 0 02-Dec-14 25-Apr-15 30-May-15 0% DD70880 SO's Review 35 04-Nov-14 09-Dec-14 25-Apr-15 30-May-15 0% DD70880 SO Approval with Condition Received 0 0 09-Dec-14 25-Apr-15 30-May-15 0% (D2) DDA Temp.works - North Ventilation Shaft ELS 0 0 08-Apr-14 07-May-14A 30-Sep-14A 100% DD03360 Formal Submission of DDAto ICE/IPs 0 0 08-Apr-14 07-May-14A 30-Sep-14A 100%	
Image: Normal Submission of DDAto ICE/IPs Image: Normal Sub	sp
DD70870 SO's Review 35 04-Nov-14 09-Dec-14 25-Apr-15 30-May-15 0% DD70880 SO Approval with Condition Received 0 0 09-Dec-14 25-Apr-15 30-May-15 0% (D270870) SO Approval with Condition Received 0 0 09-Dec-14 25-Apr-15 30-May-15 0% (D270870) SO Approval with Condition Received 0 0 09-Dec-14 07-May-14 30-May-15 0% (D270870) Designer prepare DDA 10 27-Mar-14 08-Apr-14 07-May-14A 30-Sep-14A 100% DD03360 Formal Submission of DDA to ICE/ IPs 0 08-Apr-14 08-Apr-14 30-Sep-14A 100% ICE/ IPs	
Image: Normal Subprised Participant Property Par	ed
Image: Constraint of the	
DD03350 Designer prepare DDA 10 27-Mar-14 08-Apr-14 07-May-14A 30-Sep-14A 100% DD03360 Formal Submission of DDA to ICE/ IPs 0 0 08-Apr-14 30-Sep-14A 100% ICE/ IPs	lition R eceived
DD03360 Formal Submission of DDA to ICE/ IPs 0 08-Apr-14 30-Sep-14A 100% ICE/ IPs	
DD03370 Advanced Submission to SO 0 08-Apr-14 30-Sep-14A 100%	
DD03380 IPs/ SO's Advance Comments/ ICE Comments 28 09-Apr-14 06-May-14 03-Oct-14A 29-Oct-14A 100% imments/ ICE Comments	
DD03390 Comments Received 0 07-May-14 29-Oct-14A 100%	
DD03400 Designer to Reply RtC + Update Submission 21 07-May-14 30-May-14 29-Oct-14A 18-Nov-14A 100% teply RtC + Update Submission	
DD03410 Submit Updated DDA to SO/ ICE/ IPs 0 31-May-14 18-Nov-14A 100% ted pDA to SO/ ICE/ IPs DD03420 ICE Approval & Issue Check Cert 12 31-May-14 14-Jun-14 29-Sep-14A 14-Nov-14A 100% royal & Issue Oheck Cert	
DD03420 ICE Approval & Issue Check Cert 12 31-May-14 14-Jun-14 29-Sep-14A 14-Nov-14A 100% roval & Issue Check Cert DD03430 Submit ICE Check Cert to SO 6 16-Jun-14 21-Jun-14 18-Nov-14A 100% it ICE Check Cert to SO	
DD03440 IPS Review 28 31-May-14 27-Jun-14 18-Nov-14A 10-Dec-14 14% Review	
DD03450 IPs No Objection Received 0 27-Jun-14 10-Dec-14 0% No Objection Received	
DD03490 SO's Review 35 31-May-14 04-Jul-14 18-Nov-14A 17-Dec-14 11% O's Review	
DD03495 SO Approval with Condition Received 0 0 04-Jul-14 0% OApproval with Condition Received	
DD03515 Works Commencement - TBM Change Diameter Shaft - 04Aug14 0 04-Aug-14 18-Dec-14* 0% Works Commencement - TBM Change Diameter Shaft - 04Aug	4
ETWB TCW No 15/2005 - ELS Design for Ventilation Shaft at Northern Landfall GE01170 2nd Submission to GEO 0 23-Sep-14 02-May-14A 100%	
GEO1175 2nd GEO Review 28 24-Sep-14 21-Oct-14 02-May-14A 100% 2nd GEO Review 2nd GEO Review	+
North Launching Shaft ELS Foundation & Capping Beam (Cell 1 to 3)	
NSH1340 E - Cell 1-3 - Diaphragm Wall & Toe Grouting - Shaft ELS 54 02-May-14 07-Jul-14 07-Jul-14A 19-Oct-14A 100% E - Oell 1-3 - Diaphragm Wall & Toe Grouting - Shaft ELS	
Page 6 of 17	
21-Feb-14 TMCLK/DBJ/GEN/PF	Checked Approved
Project ID. TMCLK_DWPB 14W43-3 ◆ ◆ Planned Milestone TMCLK - Northern Connection Sub-Sea Tunnel Section 章语 算嘉	
Data Date: 17-Nov-14 Detailed Works Programme HongKong	
◆ ◆ Progress Milestone Drogoges - Bouygues Joint Venture 資產 - 布依格聯發 Progress as of 17-Nov-14	

Activit	y ID	Activity Name	Orig	Planned	Planned	Current Start	Current	14W47			
			Dur	Start	Finish		Finish	% Comp	2014 2015 II Aug Sep Oct Nov Dec Jan Feb Mar Apr May		
	NSH1350	E - Cell 1-3 - Diaphragm Wall & Toe Grouting - Perm Barette	26	08-Jul-14	06-Aug-14	23-Aug-14A	19-Oct-14A	100%	E - Cell 1-3 - Diaphragm Wall & Toe Grouting - Perm Barette		
	NSH1360 NSH1370	E - Cell 1-3 - Capping beam Installation E - Cell 1-3 - Instrumentation & Pump well Installation	18 6	08-Jul-14 31-Jul-14	28-Jul-14 06-Aug-14	25-Aug-14A 23-Aug-14A	14-Nov-14A	100%	E - Cell 1-3 - Capping beam Instal ation E - Cell 1-3 - Instrumentation 8 Pump well Installation		
	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%	E - Pumping Test for TBM Lanuching Shaft ELS - Cell 1-3		
	North Lau	inching Shaft Excavation (Cell 1 to 3)		0							
		E - Cell 1 to 3 - Shaft Excavation	77	12-Aug-14	12-Nov-14	06-Oct-14A	22-Dec-14	60%	E - Cell 1 to 3 - Shaft Excavation		
	North Lau	inching Shaft ELS Foundation & Capping Beam				<u> </u>					
	NSH1190	E - Cell 4 to 6 - Diaphragm Wall & Toe Grouting - Shaft ELS (deleted)	49	08-Jul-14	02-Sep-14	29-Sep-14A	29-Sep-14A	100%	E - Cell 4 to 6 - Diaphragm Wall & Tee Grouting - Shaft ELS (deleted)		
	NSH1200	E - Cell 4 to 6 - Diaphragm Wall & Toe Grouting - Perm Barette (deleted)	4	03-Sep-14	06-Sep-14	29-Sep-14A	29-Sep-14A	100%	E - Cell 4 to 6 - Diaphragm Wall & Toe Grouting - Perm Barette (deleted)		
	NSH1210	E - Cell 4 to 6 - Prebored H-piles - Perm (deleted)	21	02-May-14	27-May-14	28-Sep-14A	29-Sep-14A	100%	Prebored H-piles - Perm (deleted)		
	NSH1220 NSH1230	E - Cell 4 to 6 - Capping beam Installation(deleted) E - Cell 4 to 6 - Instrumentation & Pump well Installation (deleted)	18	03-Sep-14 20-Sep-14	24-Sep-14 24-Sep-14	29-Sep-14A 29-Sep-14A	29-Sep-14A 29-Sep-14A	100%	E - Cell 4 to 6 Capping beam Installation(deleted) E - Cell 4 to 6 Instrumentation & Pump well Installation (deleted)		
	NSH1380	E - Pumping Test for TBM Launching Shaft ELS - Cell 4 to 6 (deleted)	6	25-Sep-14	30-Sep-14	29-Sep-14A	29-Sep-14A	100%	E - Pumping Test for TBM Launching Shaft ELS - Cell 4 to 6 (deleted)		
	North Lau	Inching Shaft Excavation		•	· ·	· ·	•				
		E - Cell 4 to 6 - Shaft Excavation (deleted)	31	03-Oct-14	07-Nov-14	29-Sep-14A	29-Sep-14A	100%	E - Çell 4 to 6 - Shaft Excavation (deleted)		
	North Lau	Inching Shaft Base Slab for TBM Launching				<u> </u>					
	NSH1455	E - Tympanum construction for TBM break-in	12	20-Nov-14	03-Dec-14	02-Jan-15	15-Jan-15	0%	E - Tympanum construction for TBM/break-in		
	NSH1460	E - Cell 1 to 2 - Base Slab construction	22	13-Nov-14	08-Dec-14	23-Dec-14	20-Jan-15	0%	E - Cell 1 to 2 - Base Slab construction		
	NSH1465	E - Cell 3 to 4 - Excavation to ML03 formation level	6	09-Dec-14	15-Dec-14	21-Jan-15	27-Jan-15	0%	E Cell 3 to 4 - Excavation to ML03 formation lev		
	NSH1470 NSH1480	E - Cell 3 to 4 - ML3 Base Slab construction E - Cell 5 - Temporary backfilling for ML03 logistic	12 6	16-Dec-14 02-Jan-15	31-Dec-14 08-Jan-15	28-Jan-15 11-Feb-15	10-Feb-15	0%	E - Cell 3 to 4 - ML3 Base Slab construction		
	NSH1480 NSH1490	E - Cell 3 - Temporary backlining for wiLos logistic E - Cell 3 to 4 - Excavation to ML02 formation level	6	02-Jan-15	08-Jan-15	11-Feb-15	17-Feb-15	0%	E - Çell 5 - Temporary backfilling for ML E - Çell 3 to 4 - Excavation to ML02 form		
	NSH1500	E - Cell 3 to 4 - ML02 Base Slab construction	18	09-Jan-15	29-Jan-15	18-Feb-15	17-Mar-15	0%	E - Celt 3 to 4 - ML02 Base Slab c		
	NSH1510	E - Cell 5 - Temporary backfilling for ML02 logistic	6	30-Jan-15	05-Feb-15	18-Mar-15	24-Mar-15	0%	E - Çell 5 - Temporary backfilli		
	North Ven	tilation Shaft ELS Foundation & Capping Beam				, I					
	A6415775	B - Setup for Shaft ELS Foundation	20	02-Aug-14	25-Aug-14	27-Oct-14A	31-Oct-14A	100%	B - Setup for Shaft ELS Foundation		
	A6415780	B - Diaphragm Wall - Shaft ELS	81	26-Aug-14	01-Dec-14	01-Nov-14A	26-Feb-15	3%	B - Diaphragm Wall - Shaft ELS		
	A6415790	B - Instrumentation & Pump well Installation	6	02-Dec-14	08-Dec-14	27-Feb-15	05-Mar-15	0%	B - Instrumentation & Pump well Installation		
	A6415795	B - Pumping Test for Excavation	7	09-Dec-14	15-Dec-14	06-Mar-15	12-Mar-15	0%	B Pumping/Test for Excavation		
	A6415800	ttilation Shaft Excavation & Base Slab B - Vent Shaft Excavation (+6.0 to +4.0mPD) - Reclamated Fill	5	02-Dec-14	06-Dec-14	27-Feb-15	04-Mar-15	0%	B - Vent Shaft Excavationt (+6.0 to +4.0mPD) - Rec		
	A6415810	B - Capping Beam Installation (+6.0mPD)	12	08-Dec-14	20-Dec-14	05-Mar-15	18-Mar-15	0%	B - Capping Beam Installation (+6.0m PD)		
	A6415820	B - Vent Shaft Excavation (+4.0 to -8.0mPD) - Reclamated Fill	19	22-Dec-14	15-Jan-15	19-Mar-15	14-Apr-15	0%	B Vent Shaft Excavation (+4.0 to -8.0		
	A6415830	B - Ring Beam Installation (-5.5mPD)	6	16-Jan-15	22-Jan-15	15-Apr-15	21-Apr-15	0%	Β - Ring Beam Installation (-5'5mPl		
	A6415840	B - Vent Shaft Excavation (-8.0 to -20.0mPD) - Fill/MD/ALLUVIUM	27	23-Jan-15	02-Mar-15	22-Apr-15	23-May-15	0%	B - Vent Shaft Excavati		
	CLP Tempo	rary Substation									
	Constructi					, ,					
	DDP12800	1st Batch - CLP Installation & Commissioning	108	02-Jul-14	07-Nov-14	02-Jul-14A	21-Nov-14	95%	1st Batch - CLP Installation & Commissioning		
	DDP12810	11kV Equipment / Switch Room installation by JV FS Installation by JV	48 24	20-Aug-14 11-Oct-14	18-Oct-14 08-Nov-14	20-Aug-14A 11-Oct-14 A	31-Oct-14A 25-Oct-14A	100%	11kV Equipment / Switch Room installation by JV		
	DDP12830	1st batch - Noise Measurement (deleted)	12	08-Nov-14	21-Nov-14	21-Nov-14A	23-001-14A	100 %	FS Installation by JV		
	DDP12840	Final FS Installation by JV	6	08-Nov-14	14-Nov-14	22-Nov-14	28-Nov-14	0%	Final FS Installation by JV		
	DDP12850	FSD inspection for 1st Transformer Energization	12	15-Nov-14	28-Nov-14	29-Nov-14	12-Dec-14	0%	FSD inspection for 1st Transformer Energization		
	DDP12860	1st Batch - Commissioning & Energization	0		28-Nov-14		12-Dec-14*	0%	1st Batch - Commissioning & Energization		
	DDP12870	2nd Batch - CLP Installation & Commissioning	95	15-Oct-14	05-Feb-15	02-Jul-14A	21-Nov-14	95%	2nd Batch - CLP Installation & (
	DDP12880	FS Installation by JV	24	09-Jan-15	06-Feb-15	20-Sep-14A	15-Oct-14A	100%	FS Installation 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 Measurem		
	DDP12900	Final FS Installation by JV	6	06-Feb-15	12-Feb-15	22-Nov-14	28-Nov-14	0%	Final FS Installation by JV		
	DDP12910 DDP12920	FSD inspection for 2nd Transformer Energization 2nd Batch - Commissioning & Energization	6 0	13-Feb-15	18-Feb-15	29-Nov-14	04-Dec-14 04-Dec-14*	0%	■ FSD inspection for 2nd Tra ◆ 2nd Batch Commissionin		
		ce works for TBM Tunnelling	-								
	Design Sul										
	_	or Temp. Access to Portion N8A, N8B & N8C incl. Tem	p. Ligh	ling							
	AP01500	Preparation of AIP Temporary Access Road to N8	33	02-Jan-14	15-Feb-14	02-Jan-14A	18-Nov-14	94%	18		
	AP01505	Review & Comment by JV	12	17-Feb-14	01-Mar-14	19-Nov-14	02-Dec-14	0%			
	AP01510	Designer Prepare IFA	6	03-Mar-14	08-Mar-14	03-Dec-14	09-Dec-14	0%			
	AP01515	Formal Submission of IFA to ICE/IPs	0		08-Mar-14		09-Dec-14	0%			
	AP01520 AP01525	Advanced Submission of IFA to SO Review & Comment by SO/ ICE/ IPs	0 28	09-Mar-14	08-Mar-14 05-Apr-14	10-Dec-14	09-Dec-14 06-Jan-15	0%	/IPs		
	AP01525 AP01530	Advance Commants from SO/ Comments from ICE/ IPs Received	0	00 ivici = 14	05-Apr-14 07-Apr-14	10 000-14	06-Jan-15	0%	Comments from ICE/TPs Receives		
	AP01535	Designer to Prepare RtC & Updated AIP	18	07-Apr-14	30-Apr-14	07-Jan-15	27-Jan-15	0%	C & Updated AIP		
	AP01540	Submisson of AIP to SO/ ICE together with Reply To Comment (RTC)	0		30-Apr-14		27-Jan-15	0%	/ ICE together with Reply To Comment (RTC)		
	AP01545	Reply to IPs Comments in RTC	0		30-Apr-14		27-Jan-15	0%	s in RTC		
	AP01550	ICEApproval & Issue of Design Check Cert.	18	02-May-14	23-May-14	28-Jan-15	17-Feb-15	0%	Issue of Design Check Cert.		
	AP01555	Check Cert to SO	0		23-May-14		17-Feb-15	0%	0		
	AP01560	No Objection or Further Minor Comments from IPs Received	0	0.11	23-May-14		17-Feb-15	0%	Further Minor Comments from IPs Reebived		
	AP01565	SO Review (35 Days)	35	02-May-14	05-Jun-14	01-Feb-15	07-Mar-15	0%	(39 Days)		
		atement Submission tatement of Cross Passage Construction Methodolo		ound Improve	ement						
		talement of cross Passage construction methodolo	gy or ci		ement						
Page	7 of 17	Planned Bar							Date Revision Checked Approved 21-Feb-14 TMCLK/DBJ/GEN/PR SPa WYu		
Projec	ct ID: TMCLK_	DWPB 14W45-3 Planned Bar	TMCLK - Northern Connection Sub-Sea Tunnel Section					ection 集寶嘉			
Data	Date: 17-Nov-	♦ ♦ Planned Milestone 14 Progress bar							Reg Sha Drogages Hong Kong		
		 Progress ball Progress Milestone 		Deta	lied Works	Programme		A member of the Bouyg Dragages - Bou	pues Censtruction group yggues Joint Venture 寶嘉 - 布依格聯查		
				Pro	gress as of	17-Nov-14					
L		I						I	I		

Activity ID	Activity Name	Orig	Planned	Planned	Current Start	Current	14W47	
		Dur	Start	Finish		Finish	% Comp	2014 2015 I Aug Sep Oct Nov Dec Jan Feb Mar Apr May
MS1240	ICEApproval & Issue Check Cert.	18	17-Sep-14	09-Oct-14	01-Aug-14A	20-Aug-14A	100%	ICEApproval & Issue Check Cert.
MS1250	SO's Review	28	17-Sep-14	14-Oct-14	01-Aug-14A	31-Aug-14A	100%	SQ's Review
MS1260	SO's Approval	0		14-Oct-14		31-Aug-14A	100%	SO's Acoroval
Constr	uction							
Zone	E				· · ·		_	
A64164	40 Zone E - Break-in Plug - CSM	38	18-Sep-14	03-Nov-14	01-Sep-14A	18-Nov-14	95%	Zone E - Break-in Plug - CSM
A64164	50 Zone E - Jet grouting	60	04-Nov-14	15-Jan-15	03-Sep-14A	24-Jan-15	9%	Zqne E - Jet grouting
Zone	D1							
NRC13	950 Zone D1 - Vibro-compaction (CH255 to 305)	60	13-May-14	11-Jul-14	25-Aug-14A	19-Sep-14A	100%	Zone D1 - Vibro-compaction (CH255 to 305)
NRC13	960 Zone D1 - Vibro-compaction (CH305 to 355)	60	17-May-14	15-Jul-14	20-Aug-14A	27-Sep-14A	100%	Zone D1 - Vibro-compaction (CH305 p 355)
NRC14	2000 Zone D1 - Compacted Sand Excavation down to +2.0mPD	6	07-Jul-14	12-Jul-14	18-Sep-14A	25-Oct-14A	100%	Zone D1 - Compacted Sand Excavation down to +2.0mPD
NRC14	010 Zone D1 - Unreinforced Separation D-wall (1st 55m) (deleted)	16	14-Jul-14	31-Jul-14	29-Sep-14A	29-Sep-14A	100%	Zone D1 - Unreinforced Separation D wall (1st 55m) (deleted)
NRC14		19	01-Aug-14	22-Aug-14	29-Sep-14A	29-Sep-14A	100%	Zone D1 - Unreinforced Separation D-wall (Remaining) (deteted)
NRC14		61	22-Sep-14	03-Dec-14	27-Oct-14A	27-Oct-14A	100%	Zone D1 - Ground Treatment at TBM Tunnel Crown
NRC14		20	14-Jul-14	05-Aug-14	02-Sep-14A	20-Nov-14	59%	Zone D1 - Groupd Treatment for CP54
NRC14		6	23-Aug-14	29-Aug-14	18-Oct-14A	21-Oct-14A	100%	Zone D1 - Granular Waterial for B/Cement Base
NRC14	· ·	6	30-Aug-14	05-Sep-14	22-Oct-14A	24-Oct-14A	100%	Zone D1 - Compacted Granular Material to +6,0mPD
Zone		60	25 May 14	22 Jul 14	18 Con 144	18-Oct 14 A	100%	
NRC13		60	25-May-14 07-Jun-14	23-Jul-14	18-Sep-14A 15-Oct-14A	18-Oct-14A 28-Oct-14A	100%	Zone D2 - Vibro-compaction (CH345 to 405)
NRC13 NRC13		21	07-Jun-14 23-Aug-14	05-Aug-14 17-Sep-14	15-Oct-14A 29-Sep-14A	28-Oct-14A 29-Sep-14A	100%	Zone D2 - Vibro-compaction (CH405 to 443)
NRC13		21	06-Aug-14	30-Aug-14	29-360-14A 21-Nov-14	16-Dec-14	0%	Zone D2 - Uncettorced Separation D-wall (deleted)
			uu Aug-14	30-Aug-14	21-1100-14	10-Dec-14	078	
Zone	02100 Zone C1 - Vibro-compaction (CH355 to 405) (deleted)	60	22-Jun-14	20-Aug-14	28-Sep-14A	29-Sep-14A	100%	Zone C1 - Vibro-compaction (CH355 to 405) (deleted)
	02110 Zone C1 - Vibro-compaction (CH405 to 443) (deleted)	60	28-Jun-14	26-Aug-14	28-Sep-14A	29-Sep-14A	100%	Zone C1- Vibro-compaction (CH405 tq 443) (deleted)
	02120 Zone C1 - Unreinforced Separation D-wall (deleted)	27	27-Aug-14	27-Sep-14	29-Sep-14A	29-Sep-14A	100%	Zone C1 Jure reinforced Separation D-wall (deleted)
	02130 Zone C1 - B/C Slurry Substitution for CP52	26	27-Aug-14	26-Sep-14	17-Nov-14	16-Dec-14	0%	Zone C1 - B/C Slurry Substitution for CP52
Zone			-3					
	02140 Zone C2 - Unreinforced Separation D-wall (deleted)	15	09-Aug-14	26-Aug-14	29-Sep-14A	29-Sep-14A	100%	Zone C2- Unreinforces Separation D-wall (deleted)
NRC12	02150 Zone C2 - Drilling for Rock Fissue Grouting for CP51	21	03-Jul-14	26-Jul-14	06-Nov-14A	08-Dec-14	11%	Zone C2 - Drilling for Rock Fissue Grouting for CP51
NRC12	02155 Zone C2 - Rock Fissue Grouting for CP51	44	14-Jul-14	02-Sep-14	17-Nov-14	09-Jan-15	0%	Zone Ç2 - Rock Fissue Grouting for CP51
NRC12	02160 Zone C2 - Jet Grouting for CP51	18	20-Aug-14	10-Sep-14	24-Dec-14	16-Jan-15	0%	Zone C2 - Jet/Grouting for CP51
Zone	B							
A64158	25 Zone B - Unreinforced Separation D-wall	13	27-Aug-14	11-Sep-14	02-Dec-14	16-Dec-14	0%	Zone B - Unreinforced \$eparation D-wall
A64158	97 Zone B - Unreinforced Separation D-wall	13	25-Jul-14	08-Aug-14	17-Nov-14	01-Dec-14	0%	Zone B - Unreinforced Separation D-wall
A64159	200 Zone B - Slurry Wall for TBM Break-out Plug	34	02-Dec-14	13-Jan-15	27-Feb-15	11-Apr-15	0%	Zone B - Slurry Wall for TBM Break-ou
A64159	10 Zone B - Slurry Wall - Toe Grouting	24	14-Jan-15	10-Feb-15	13-Apr-15	11-May-15	0%	Zone B - Slurry Wall - Toe G
A64159	20 Zone B - Ground Treatment for TBM Break-out Plug	58	11-Feb-15	30-Apr-15	12-May-15	21-Jul-15	0%	Zo
Groun	d Treatment			1				
A64174	30 Zone A - B/C Slurry Substitution for CP49	30	22-Oct-14	25-Nov-14	24-Jan-15	06-Mar-15	0%	Zone A - B/C Slurry Substitution for CP49
A64174	40 Zone A - Drilling for Rock Fissure Grouting for CP48	65	11-Nov-14	28-Jan-15	13-Feb-15	12-May-15	0%	ZoneA - Drilling for Rock Fissure
A64174	50 Zone A - Rock Fissue Grouting for CP48	90	25-Nov-14	19-Mar-15	06-Mar-15	26-Jun-15	0%	ZoneA - Rock Fi
A64174	200 Zone A - Jet Grouting for CP48	72	29-Jan-15	05-May-15	13-May-15	07-Aug-15	0%	
North A	pproach TBM Tunnelling & Cross Passage							
Major F	Procurement							
	t Northern Landfall							
PO1030	·	198	25-Jan-14	30-Sep-14	25-Jan-14A	09-Dec-14	90%	S880 - 17.6m dia TBM - Manufacturing - Cutterhead
PO1031		138	07-May-14	20-Oct-14	04-Jun-14A	09-Dec-14	93%	\$880 - 17.6m dia - TBM - Workshop Assembly
PO1031		0		20-Oct-14		30-Oct-14A	100%	\$880 17.6m dia - TBM - Workshop Acceptance Test
PO1031		32	21-Oct-14	26-Nov-14	01-Nov-14A	19-Dec-14	72%	S880 - 17.6m dia - TBM - Disassembly and Packing for
PO1031		10	27-Nov-14	08-Dec-14	20-Dec-14	03-Jan-15	0%	S880 - 17.6m dia - TBM- Delivery
PO1031		0	01 Mar 44	08-Dec-14	01 Mar 444	03-Jan-15	0%	S880 - 17.6m dia - TBM Arrival to site
PO1032	-	198	01-Mar-14	30-Oct-14	01-Mar-14A	20-Nov-14	98%	S882 - 13.6m dia - TBM - Manufacturing - Cutter head
PO1032		150	16-Jun-14	11-Dec-14	16-Jun-14A	11-Dec-14	85%	S882 - 13.6m dia - TBM - Workshop Assembly
PO1033 PO1033		28	12-Dec-14	11-Dec-14 16-Jan-15	12-Dec-14	11-Dec-14 16-Jan-15	0%	S882 - 13.6m dia - TBM - Workshop Acceptance T
PO1033		17	12-Dec-14 17-Jan-15	02-Feb-15	12-Dec-14 17-Jan-15	02-Feb-15	0%	S882 - 13.6m dia - TBM - Disassemb
PO1033	,	0	17-041F 10	02-Feb-15	17-041F13	02-Feb-15	0%	S882 F13.6m dia - TBM - Derive
	st Segment	U		v∠-i eu•13		JE-1 EU-13	0 /0	Soc2 13.0m dia - 1 Bini - Arriva
	SC Segment							
	790 2nd Batching Plant - QSPSC Approval	0		30-Aug-14		29-Sep-14A	100%	2nd Batching Plant - Q\$PSC Approval

	A6417790 2nd Batching Plant - (QSPSC Approval	0	1	30-Aug-14	(29-Sep-14A	100%	2nd Batching Plant - QSPSC Approval
	Precast Segment Moule	d Fabrication							/
	A6417900 ID12.40 Segment Mo	uld - Mould Assemblying	30	23-Jun-14	26-Jul-14	19-Jun-14A	25-Oct-14A	100%	ID12.40 Şegment Mould - Mould Assemblying
	A6417910 ID 12.40 Segment Mo	ould - Painting & Commissioning	4	28-Jul-14	31-Jul-14	24-Jun-14A	28-Oct-14A	100%	D12.40 Segment Mould - Painting & Commissioning
	Precast Segment ID15	60 - Production for NB North TBM Tun	nnel						/
	A6417950 ID 15.60 TBM Segme	ent Ring Fabrication - 1 ring per week	18	02-Sep-14	22-Sep-14	06-Sep-14A	23-Sep-14A	100%	D15.60 TBM Segment Ring Fabrication - 1 ring per week
	A6417960 ID 15.60 TBM Segme	ent Ring Fabrication - 1 ring per day	6	23-Sep-14	29-Sep-14	23-Sep-14A	25-Sep-14A	100%	ID 15.60 TBN Segment Ring Fabrication - 1 ring per day
	A6417970 ID 15.60 TBM Segme	ent Ring Fabrication - 2 rings per day	148	30-Sep-14	25-Apr-15	25-Sep-14A	27-Apr-15	23%	ID15
	Precast Segment ID12.	40 - Production for SB North TBM Tun	inel						
	e 8 of 17 ect ID: TMCLK_ DWPB 14W4	5-3 Planned Bar Planned Bar ♦ Planned Milestone	TMC'	∟K - Norther	n Connectior	n Sub-Sea T	unnel Section	n D	Date Revision Checked Approved 21-Feb-14 TMCLK/DBJ/GEN/PR SPa WYu 奮寶嘉 Counteruss Ecultiveuss
Data I	a Date: 17-Nov-14	 Progress bar Progress Milestone 			ailed Works F ogress as of ⁻	0		,,,	Nogogogo HongKong ovygues Construction group Bouvgues Joint Venture 箕嘉 - 布依格聯營

Activity	ID	Activity Name	Orig	Planned	Planned	Current Start	Current	14W47	
			Dur	Start	Finish		Finish	% Comp	2014 2015 I Aug Sep Oct Nov Dec Jan Feb Mar Apr May
		ID 12.40 TBM Segment Ring Fabrication start	0	08-Oct-14		02-Sep-14A		100%	♦ ID 12:40 T BM Segment R ng Fabrication start
		ID12.40 TBM Segment Ring Fabrication - 1 ring per week	18	08-Oct-14	28-Oct-14	02-Sep-14A	06-Sep-14A	100%	ID 12.40 TBM Segment Ring Fabrication - 1 ring per week
		ID 12.40 TBM Segment Ring Fabrication - 6 ring per day	6	29-Oct-14	04-Nov-14	11-Sep-14 A	10-Oct-14A	100%	D12.40 TBM Segment Ring Fabrication - 6 ring per day
		ID12.40 TBM Segment Ring Fabrication - 12 rings per day	15	05-Nov-14	21-Nov-14	11-Oct-14 A	22-Nov-14	59%	D12.40 TBM Segment Ring Pabrication - 12 rings per c
	A6415380	atment Plant STP - Manufacturing	120	02-May-14	23-Sep-14	02-May-14A	23-Sep-14A	100%	STP - Mahufac uring
	A6415390	STP - Factory Assembly	0		23-Sep-14		23-Sep-14A	100%	STP - Factory Assembly
	A6415400	STP - Factory Testing and Commissioning	6	24-Sep-14	30-Sep-14	24-Sep-14A	18-Nov-14	67%	STP - Factory Testing and Commissioning
	A6415440	STP - Dismantling, Packaging & Trransport	4	03-Oct-14	07-Oct-14	19-Nov-14	22-Nov-14	0%	STP- Dismanting, Packaging & Trransport
	A6415450	STP - Shipment to Hong Kong	20	08-Oct-14	30-Oct-14	24-Sep-14A	27-Nov-14	80%	STP - Shipment to Hong Kong
	Hyperbari	c & Saturation							
	A6415020	Hyperbaric Saturation - Prepare for Application to Labour Department	25	07-May-14	05-Jun-14	21-Jun-14A	06-Oct-14A	100%	Saturation - Prepare for Application to Debour Department
	A6415120	1st submission to Labour Department	0		05-Jun-14		06-Oct-14A	100%	sion to Labour Department
	A6415130	Approval from Labour Department	28	06-Jun-14	03-Jul-14	29-Sep-14A	26-Oct-14A	100%	pproval from Labour Department
	A6415140	Shuttle for Hyperbaric Saturation - Fabrication	128 6	07-May-14	08-Oct-14	21-Jun-14A	24-Nov-14	95%	Shuttle for Hyperbaric Saturation - Fabrication
	A6415150	Shuttle for Hyperbaric Saturation - Delivery to TBM Factory	0	09-Oct-14	15-Oct-14	25-Nov-14	01-Dec-14	0%	Shuttle for Hyperbaric Saturation Delivery to TBM Factory
	Design Sul	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%	E/IPs
	DD69040	Advanced Submission to SO	0		07-Apr-14		31-Oct-14A	100%	
	DD69050	IPs/ SO's Advance Comments/ ICE Comments	28	08-Apr-14	05-May-14	01-Nov-14A	24-Nov-14	71%	mments/ ICE Comments
	DD69060	Comments Received	0		05-May-14		24-Nov-14	0%	
	DD69070	Designer to Reply RtC + Update Submission	21	07-May-14	30-May-14	25-Nov-14	18-Dec-14	0%	teply RtC + Update Submission
	DD69080	Submit Updated IFA to SO/ ICE/ IPs	0	31-May-14		19-Dec-14		0%	ted IFA to SO/ ICE/ IPs
	DD69090	ICEApproval & Issue Check Cert	12	31-May-14	14-Jun-14	19-Dec-14	05-Jan-15	0%	roval & Issue Oheck Cert
	DD69100 DD69110	IPs Review IPs No Objection Received	28	31-May-14	27-Jun-14 27-Jun-14	19-Dec-14	15-Jan-15 15-Jan-15	0%	Review No Objection Received
	DD69110	SO's Review	35	31-May-14	04-Jul-14	19-Dec-14	22-Jan-15	0%	No Opjection Received
	DD69130	SO Approval with Condition R eceived	0	of May 14	04-Jul-14		22-Jan-15	0%	D Approval with Condition Received
		hrust Frame for TBM Launching							
	DD69140	Preparation of DDAThrust Frame for TBM Launching	18	24-Mar-14	14-Apr-14	15-Aug-14A	30-Oct-14A	100%	ramę for TBM Launching
	DD69150	Review & Comment by JV	18	15-Apr-14	10-May-14	31-Oct-14A	18-Nov-14	80%	by JV
	DD69160	Designer prepare IFA	10	12-May-14	22-May-14	19-Nov-14	29-Nov-14	0%	e IFA
	DD69170	Formal Submission of IFA to ICE/ IPs	0		22-May-14		29-Nov-14	0%	sion of IFA to IÇE/ IPs
	DD69180	Advanced Submission to SO	0		22-May-14		29-Nov-14	0%	ission to SO
	DD69190	IPs/ SO's Advance Comments/ ICE Comments	28	23-May-14	19-Jun-14	30-Nov-14	27-Dec-14	0%	D's Advance Comments/ ICE Comments
	DD69200	Comments Received	0		19-Jun-14		27-Dec-14	0%	ents Received
	DD69210	Designer to Reply RtC + Update Submission	21	20-Jun-14	15-Jul-14	29-Dec-14	22-Jan-15	0%	Designer to Reply RtC + Update Submission
	DD69220	Submit Updated IFA to SO/ ICE/ IPs	0	16-Jul-14	00 141 14	23-Jan-15		0%	Submit Updated IFA to SO/ ICE/ IP-
	DD69230 DD69240	ICEApproval & Issue Check Cert IPs Review	12 28	16-Jul-14 16-Jul-14	29-Jul-14 12-Aug-14	23-Jan-15 23-Jan-15	05-Feb-15	0%	TCEApproval & Issue Check Cert
	DD69250	IP's No Objection Received	0		12-Aug-14	20 001110	19-Feb-15	0%	IPs neview
	DD69260	SO's Review	35	16-Jul-14	19-Aug-14	23-Jan-15	26-Feb-15	0%	SO's Review
	DD69270	SO Approval with Condition R eceived	0		19-Aug-14		26-Feb-15	0%	SO Approval with Condition Received
	DD69580	Works Commencement - TBM Launching Thrust Frame Installation	0	12-Dec-14		12-Dec-14*		0%	Works Commencement - TBM Launching Thrus
	(G2) DDA	for TBM Tunnel Lining Settlement Anlysis & Confine	ment Pr	essure - Nort	h Approach	J I			
	AN 1070	DDANorth TBM Tunnel Lining Settlement Analysis & Confinement Pressure	142	22-Nov-13	23-May-14	22-Nov-13A	20-Nov-14A	100%	I Turnel Lining Settlement Analysis 2. Confinement Pressure
	DD00805	Review & Comment by JV	12	24-May-14	07-Jun-14	21-Nov-14A	27-Nov-14	8%	Comment by JV
	DD00810	Designer prepare DDA	12	09-Jun-14	21-Jun-14	28-Nov-14	11-Dec-14	0%	ner prepare DÞA
	DD00815	Formal Submission of DDA to ICE/ IPs	0		21-Jun-14		11-Dec-14	0%	al Submission of DDA to (CE/IPs
	DD00820	Advanced Submission to SO	0		21-Jun-14		11-Dec-14	0%	ced Submission to SO
	DD00825	IPs/ SO's Advance Comments/ ICE Comments	28	22-Jun-14	19-Jul-14	12-Dec-14	08-Jan-15	0%	IPs/ SO's Advance Comments/ ICE Comments
	DD00830 DD00835	Comments Received Designer to Reply RtC + Update Submission	0 21	21-Jul-14	19-Jul-14 13-Aug-14	09-Jan-15	08-Jan-15 02-Feb-15	0%	Comments Received
	DD00835	Submit Updated DDA to SO/ ICE/ IPs	0	21-Jul-14 14-Aug-14	13-MUG-14	09-Jan-15 03-Feb-15	U2-FUD-10	0%	Designer to Reply RtC +- Update Submission Submit Updated DDAte 39+ ICE/ IPs
	DD00845	ICEApproval & Issue Check Cert	12	14-Aug-14	27-Aug-14	03-Feb-15	16-Feb-15	0%	← Suprint Opdated DIATOS ICE ins ICE Approval & Issue Check Cert
	DD00850	Submit ICE Check Cert to SO	6	28-Aug-14	03-Sep-14	17-Feb-15	02-Mar-15	0%	Submit ICE Check Cert to SO
	DD00855	IPs Review	28	14-Aug-14	10-Sep-14	03-Feb-15	02-Mar-15	0%	
	DD00880	SO's Review	35	14-Aug-14	17-Sep-14	03-Feb-15	09-Mar-15	0%	SO's Review
	DD00885	SO Approval with Condition R eceived	0		17-Sep-14		09-Mar-15	0%	SO Approval With Condition R edeived
	(G3) DDA	for TBM Tunnel Internal Structures - North				·			
	DD6320	Designer to Reply RtC + Update Submission	21	21-Jun-14	16-Jul-14	09-Aug-14A	19-Nov-14A	100%	Designer to Reply RtC + Update Submission
	DD6330	Submit Updated DDA to SO/ ICE/ IPs	0	17-Jul-14		19-Nov-14A		100%	Submit Updated DDA to SO/ ICE/ IPs
	DD6350	Submit ICE Check Cert to SO	6	31-Jul-14	06-Aug-14	11-Sep-14 A	17-Sep-14A	100%	Submit ICE Check Cert to SO
	DD6360	IPs Review	28	17-Jul-14	13-Aug-14	19-Nov-14A	11-Dec-14	11%	
	DD6370	IP's No Objection Received	0	47 1 1 4 4	13-Aug-14	10 No. 11	11-Dec-14	0%	Pis No Objection Received
	DD6380	SO's Review	35	17-Jul-14	20-Aug-14	19-Nov-14A	18-Dec-14	9%	ŞO's Review
		_ DWPB 14W45-3 14 Planned Bar Planned Bar Planned Bar Planned Milestone Progress bar ◆ Progress Milestone	TMCL	Deta	n Connectior ailed Works ogress as of	-	nnel Sectio	A member of the Bouy	Date Revision Checked Approved 21-Feb-14 TMCLK/DBJ/GEN/PR SPa WYu Eng Forgages HongKong rever Kenter forgives Joint Venture 實直 - 布依格攀登

Activ	ity ID	Activity Name	Orig Dur	Planned Start	Planned Finish	Current Start	Current Finish	14W47 % Comp	2014 2015
	DD6390	SO Approval with Condition R eceived	0		20-Aug-14		18-Dec-14	% Comp 0%	I Aug Sep Oct Nov Dec Jan Feb Mar Apr May ♦ \$0 Approval with Cordition Received
	DD6390	Works Commencement - Precast mould Shop Drawing start	0	01-Sep-14	ing it	17-Nov-14*		0%	 SU Approval with Coronnel in eceived Works;Commencement - Precast mould Shop Prawing start
	ETWB TC	W No 15/2005 - TBM Tunnel Works						<u> </u>	
	GEO1210	1st Submission to GEO - ETWB TCW No 15/2005 - TBM Tunnel Works	0		17-Sep-14		09-Mar-15	0%	◆ 1st Submission BEO - ETWE TCW No 15/2005 - TBM Tunnel Works
	GEO1215	1st Submission GEO Review	28	18-Sep-14	15-Oct-14	10-Mar-15	06-Apr-15	0%	1st Submission GEO Review
	GEO1220 GEO1225	Received GEO Comment Prepare Response to Comment	0	16-Oct-14	15-Oct-14 29-Oct-14	08-Apr-15	08-Apr-15 21-Apr-15	0%	Recoved GEO Comment Prepare Response to Comment
	GEO1220	2nd Submission to GEO	0		29-Oct-14		21-Apr-15	0%	◆ 21 Submission to GEO
	GEO1235	2nd GEO Review	28	30-Oct-14	26-Nov-14	22-Apr-15	19-May-15	0%	2nd GEO Review
	(G5) DDA	for Cross Passage - Permanent works - incl. Detailed	Geoteo	hnical Assess	sment - North	l <u> </u>			
	AN 1100	Early DDANorth Cross Pass age Lining	108	16-Jun-14	23-Oct-14	03-Jul-14A	22-Oct-14A	100%	Earl DDANorth Cross Pass age Lining
	AN 1110	Early DDANorth TBM Tunnel Design at CP opening Preparation of DDACross Passage incl. Detailed Geotechnical Assessment	108 0	16-Jun-14 24-Oct-14	23-Oct-14 24-Oct-14	03-Jul-14A 22-Oct-14A	22-Oct-14A 22-Oct-14A	100%	Early DDANorth TBM Tunnel Design at CP opening Preparation of DDA Cross Passage ind. Detailed Geotechnical A
	DD67448	Review & Comment by JV	6	24-Oct-14	30-Oct-14	22-Oct-14A	29-Oct-14A	100%	Review & Comment by JV
	DD67450	Designer prepare DDA	12	31-Oct-14	13-Nov-14	30-Oct-14A	21-Nov-14	75%	Dęsigner prepare DDA
	DD67458	Formal Submission of DDAto ICE/ IPs	0		13-Nov-14		21-Nov-14	0%	Formal Submission of DDA to ICE/ IPs
	DD67460	Advanced Submission to SO	0		13-Nov-14		21-Nov-14	0%	Advanced Submission to SO
	DD67468	IPs/ SO's Advance Comments/ ICE Comments Comments Received	28	14-Nov-14	11-Dec-14 11-Dec-14	22-Nov-14	19-Dec-14 19-Dec-14	0%	IPs/ SO's Advance Comments/ ICE Comments
	DD67470	Designer to Reply RtC + Update Submission	21	12-Dec-14	08-Jan-15	20-Dec-14	16-Jan-15	0%	Comments Received Designer to Reply RtC + Update Submis
	DD67488	Submit Updated DDAto SO/ ICE/ IPs	0	09-Jan-15		17-Jan-15	-	0%	 Submit Updated DDAto SO/ ICE/ IPs
	DD67498	ICEApproval & Issue Check Cert	12	09-Jan-15	22-Jan-15	17-Jan-15	30-Jan-15	0%	CEApproval & Issue Check Cert
	DD67508	Submit ICE Check Cert to SO	6	23-Jan-15	29-Jan-15	31-Jan-15	06-Feb-15	0%	Submit ICE Check Cert to \$O
	DD67518	IPs Review	28	09-Jan-15	05-Feb-15	17-Jan-15	13-Feb-15	0%	IPs Review
	DD67528	IP's No Objection Received SO's Review	0 35	09-Jan-15	05-Feb-15 12-Feb-15	17-Jan-15	13-Feb-15 20-Feb-15	0%	↓ IP's No Objection Received SO's Review
	DD67610	SO Approval with Condition R eceived	0		12-Feb-15		26-Feb-15	0%	SQ Approval with Condition F
	(H2) DDA	Temp.works for Cross Passages - North	J						
	DD06050	ICEApproval & Issue Check Cert	12	04-Aug-14	16-Aug-14	11-Sep-14 A	25-Sep-14A	100%	IQEApproval & Issue Check Cert
	DD06060	Submit ICE Check Cert to SO	6	18-Aug-14	23-Aug-14	26-Sep-14A	03-Oct-14A	100%	Submit ICE Check Cert to SO
	DD06070	IPs Review IP's No Objection Received	28	03-Aug-14	30-Aug-14 30-Aug-14	29-Aug-14A	10-Oct-14A	100%	IPs Review ♦ IP's No Objection Beserved
	DD06120	SO's Review	35	02-Aug-14	05-Sep-14	29-Aug-14A	18-Nov-14	94%	SOS Review
	DD06130	SO Approval with Condition R eceived	0		05-Sep-14		18-Nov-14	0%	SO Approval with Condition Received
	ETWB TC	W No 15/2005 - Cross Passage Ground Treatment for	ТВМ Т	unnels in Nort	h Landfall	J J			
	GEO1236	Review Meeting with GEO - after AIP Approval	0	01-Apr-14		17-Nov-14			AIPApproval
	GEO1240 GEO1245	1st Submission to GEO - ETWB TCW No 15/2005 - Cross Passage Ground Treatment for TBM Tunnels in North Landfall 1st Submission GEO Review	0 28	04-Aug-14	04-Aug-14 31-Aug-14	17-Nov-14	17-Nov-14 14-Dec-14	0%	1st Submission to GEO - ETW48 TCW No 15/2005 - Cross Passage Ground Treatment for TE 1st Submission of GEO - ETW48 TCW No 15/2005 - Cross Passage Ground Treatment for TE
	GEO1243	Received GEO Comment	0	04-Aug-14	01-Sep-14	17-1100-14	15-Dec-14	0%	
	GEO1255	Prepare Response to Comment	12	01-Sep-14	15-Sep-14	15-Dec-14	30-Dec-14	0%	Prepare Response to ¢omment
	GEO1260	2nd Submission to GEO	0		15-Sep-14		30-Dec-14	0%	◆ 2nd Submissione GEO
	GEO1265	2nd GEO Review	28	16-Sep-14	13-Oct-14	31-Dec-14	27-Jan-15	0%	2nd GEO Review
	GEO1455	Received 2nd GEO Comment	0		13-Oct-14		27-Jan-15	0%	 Received 2nd GEO Comment
	GEO1465 GEO1475	Prepare Respond to 2nd Comment 3rd Submission to GEO	12 0	14-Oct-14	27-Oct-14 27-Oct-14	28-Jan-15	10-Feb-15	0%	Prepare/Respond to 2nd Comment
	GEO1485	3rd GEO Review	28	28-Oct-14	24-Nov-14	11-Feb-15	10-Mar-15	0%	3rd GEO Review
	Method St	atement Submission							
	Method S	tatement of Construction Methodology of Cross Pas	sage Ex	cavation					
	MS1400	Preparation Method Statement for CP Excavation	25	03-Jan-15	31-Jan-15	03-Mar-15	31-Mar-15	0%	Preparation Method Statement fo
	MS1410 MS1420	Submit Method Statement to SO SO Reviews & Comments	0 28	01-Feb-15	31-Jan-15 28-Feb-15	01-Apr-15	31-Mar-15 28-Apr-15	0%	Submit Method Statement to SO
	Construct					0. / ipi - 10	I0	0.70	SU Heerlews & Comme
		Landfall Surface Setup for TBM operation							
	A6415930	Gantry Setup at North TBM Launching Shaft	48	29-Jul-14	23-Sep-14	23-Jan-15	26-Mar-15	0%	Gantry Setup at North TBM Launching Shaft
	A6415937	Slurry Treatment Plant Foundation	25	15-Oct-14	12-Nov-14	17-Jan-15	14-Feb-15	0%	Styrry Treatment Plant Foundation
	A6415940 A6415950	Slurry Treatment Plant Setup at Northern Landfall Slurry Treatment Plant Comm issioning	64 24	13-Nov-14 30-Jan-15	29-Jan-15 05-Mar-15	16-Feb-15 14-May-15	13-May-15 11-Jun-15	0%	Slurry Treatment Plant Setup at N
		A Assembly at North TBM Launching Shaft						0,0	
	NSH1900	S880 - TBM Launching - Front Shield Assembly	3	09-Dec-14	11-Dec-14	27-Mar-15	29-Mar-15	0%	S880 - TBM Launching Front Shield Assembly
	NSH1910	S880 - TBM Launching - Cutterhead Assembly	3	12-Dec-14	14-Dec-14	30-Mar-15	01-Apr-15	0%	S880 - TBM Launching - Cutterhead Assembly
	NSH1920	S880 - TBM Launching - Erector Assembly	3	15-Dec-14	17-Dec-14	02-Apr-15	07-Apr-15	0%	S380 - TBM Launching - Erector Assembly
	NSH1930 NSH1940	S880 - TBM Launching - Tail SkinAssembly S880 - TBM Launching - Main Drive Connection	3	18-Dec-14 21-Dec-14	20-Dec-14 22-Dec-14	08-Apr-15 11-Apr-15	10-Apr-15	0%	\$880 - TBM Launching - Tail Skin Assembly \$880 - TBM Launching - Main Drive Connectic
	NSH1950	S880 - TBM Launching - Main Drive Sofinection S880 - TBM Launching - Main Drive Shifting	2	23-Dec-14	22-Dec-14 24-Dec-14	13-Apr-15	14-Apr-15	0%	S880 - TBM Launching - Main Drive Collinectu S880 - TBM Launching - Main Drive Shifting
	NSH1960	S880 - TBM Launching - Main Drive Thrust Frame Installation	14	25-Dec-14	07-Jan-15	15-Apr-15	28-Apr-15	0%	S880 - TBM Lậunching - Main Drive Thru
	NSH1965	S880 - TBM Launching - Gantry 2 Assembly	3	25-Dec-14	27-Dec-14	15-Apr-15	17-Apr-15	0%	S880 - TBM Launching - Gantry 2 Assembly
	NSH1970	S880 - TBM Launching - Gantry 1 Assembly	3	28-Dec-14	30-Dec-14	18-Apr-15	20-Apr-15	0%	S880 - ŤBM Launching - Gantry 1 Assembly
	NSH1980	S880 - TBM Launching - Gantry 1 & Main Drive connection	3	08-Jan-15	10-Jan-15	29-Apr-15	01-May-15	0%	S880 - TBM Launching - Gantry 1 & Mai
	NSH1990	S880 - TBM Launching - Gantry 2 & Gantry 1 connection	3	11-Jan-15	13-Jan-15	02-May-15	04-May-15	0%	S880 - TBMLaunchingi- Gantry 2 & Ga
Page	e 10 of 17	Planned Bar					Date Revision Checked Approved 21-Feb-14 TMCLK/DBJ/GEN/PR SPa WYu		
Proje	ect ID: TMCLK	_DWPB 14W45-3 Planned Bar	тмс	.K - Northerr	Connectior	n Sub-Sea Tu	nnel Sectio	n 🔼	
Data	Date: 17-Nov-	◆ ◆ Planned Milestone 14 Progress bar							Dragages HongKong
		 Progress Milestone 				Programme		/	gees Centraction group 」 aygues Joint Venture 寶嘉 - 布依格攀螢
				Pro	ogress as of	17-Nov-14			

y ID	Activity Name	Orig	Planned	Planned	Current Start	Current	14W47	
		Dur	Start	Finish		Finish	% Comp	o 2014 2015 Ji Aug Sep Oct Nov Dec Jan Feb Mar Ar
NSH2000	S880 - TBM Launching - Gantry 3 assembly	3	09-Jan-15	11-Jan-15	18-Feb-15	23-Feb-15	0%	S880 - TBM Launching - Gan
NSH2010	S880 - TBM Launching - Gantry 4 assembly	3	12-Jan-15	14-Jan-15	24-Feb-15	26-Feb-15	0%	S860 - TBMLaunching - Ga
NSH2020 NSH2030	S880 - TBM Launching - Gantry 3 & Ganty 2 connection S880 - TBM Launching - Gantry 4 & Ganty 3 connection	3	14-Jan-15 17-Jan-15	16-Jan-15 19-Jan-15	05-May-15 08-May-15	07-May-15 10-May-15	0%	S880 - TBM Launching - Ga
NSH2040	S880 - TBM Launching - Testing & Commissioning	24	20-Jan-15	12-Feb-15	11-May-15	04-Jun-15	0%	S880 - TBM Launching - G
NSH2050	S880 - TBM Launching - Segment Ring Installation for Break-in	8	13-Feb-15	23-Feb-15	05-Jun-15	12-Jun-15	0%	S880 - TBM Laure
NSH2060	S880 - TBM Launching - Final commissioning & Break-in	10	24-Feb-15	05-Mar-15	13-Jun-15	23-Jun-15	0%	5880 TBN
S882 TBM	Assembly at North TBM Launching Shaft							
	S882 - TBM Launching - Front Shield Assembly	3	13-Feb-15	15-Feb-15	05-Jun-15	07-Jun-15	0%	S882 - TBM Laun
NSH206020	S882 - TBM Launching - Cutterhead Assembly	3	16-Feb-15	18-Feb-15	08-Jun-15	10-Jun-15	0%	S882 - TBM Lau
NSH206030	S882 - TBM Launching - Erector Assembly	3	22-Feb-15	24-Feb-15	11-Jun-15	13-Jun-15	0%	S882 - TBM La
NSH206040	S882 - TBM Launching - Tail Skin Assembly	3	25-Feb-15	27-Feb-15	14-Jun-15	17-Jun-15	0%	S882 - TBML
North Ventil	lation Building							
Design Sul	bmission							
(A10) ACA	ABAS Submissions							
GS01648	Prepare 3rd Submission for A CABAS Approval	24	17-Feb-14	15-Mar-14	19-Feb-14A	22-Nov-14	91%	oproval
GS01650	ACABAS Approval	28	16-Mar-14	12-Apr-14	23-Nov-14	20-Dec-14	0%	
(A11) Sub	missons to Design Advisory Panel of ArchSD							
GS01730	Prepare Re-submission	18	19-May-14	09-Jun-14	22-Jul-14A	18-Nov-14	89%	e-submission
GS01740	ArchSD's comment	30	10-Jun-14	09-Jul-14	19-Nov-14	18-Dec-14	0%	ArchSD's comment
(I1) DDA f	or North Vent.Bldgs. GBP & Arch.Submission							
DD01200	Preparation of DDANth VB G BP & Arch Submission	18	17-Apr-14	13-May-14	04-Sep-14A	18-Nov-14	89%	Nth VB GBP & Arch Submission
DD01205	Review & Comment by JV	24	14-May-14	11-Jun-14	19-Nov-14	16-Dec-14	0%	Comment by JV
DD01210	Designer prepare DDA	15	12-Jun-14	28-Jun-14	17-Dec-14	06-Jan-15	0%	igner prepare DDA
DD01215	Formal Submission of DDA to ICE/ IPs	0		28-Jun-14		06-Jan-15	0%	mal Şubmission of DDA to ICE/1Ps
DD01220	Advanced Submission to SO	0	<u> </u>	28-Jun-14	07.1.1	06-Jan-15	0%	anced Submission to SO
DD01225	IPs/SO's Advance Comments/ ICE Comments	28	29-Jun-14	26-Jul-14	07-Jan-15	03-Feb-15	0%	Ps/ SO's Advance Comments / ICE Comments
DD01230	Comments Received Designer to Reply RtC + Update Submission	21	28-Jul-14	26-Jul-14 20-Aug-14	04-Feb-15	03-Feb-15 06-Mar-15	0%	Comments Received
DD01233	IP's No Objection Received	0	20-Jui-14	17-Sep-14	04-Feb-15	03-Apr-15	0%	Pesigner to Reply RtC + Update Submission
DD01200	SO Approval with Condition R eceived	0		24-Sep-14		10-Apr-15	0%	IP's No Objection Received So Approaches unter Characterize Received
		0		24-06p-14		10-Api-13	078	SO Approval with Condition Received
DD67638	or North & South Vent.Bldg. ABWF works Preparation of DDANorth & South ABWF	18	25-Sep-14	17-Oct-14	11-Apr-15	02-May-15	0%	Preparation of DDA North & South ABWF
DD67648	Review & Comment by JV	24	18-Oct-14	14-Nov-14	04-May-15	01-Jun-15	0%	Review & Comment by JV
DD67650	Designer prepare DDA	15	15-Nov-14	02-Dec-14	02-Jun-15	18-Jun-15	0%	Designer preparé DDA
DD67658	Formal Submission of DDAto ICE/ IPs	0		02-Dec-14		18-Jun-15	0%	Formal Submission of DD/Ato ICE/ IPs
DD67660	Advanced Submission to SO	0		02-Dec-14		18-Jun-15	0%	Advanced Submission to SO
DD67668	IPs/ SO's Advance Comments/ ICE Comments	28	03-Dec-14	30-Dec-14	19-Jun-15	16-Jul-15	0%	IPs/ SO's Advance Comments/ IC
DD67670	Comments Received	0		30-Dec-14		16-Jul-15	0%	Comments Received
DD67678	Designer to Reply RtC + Update Submission	21	31-Dec-14	24-Jan-15	17-Jul-15	10-Aug-15	0%	Designer to Reply RtC +
DD67688	Submit Updated DDA to SO/ ICE/ IPs	0	26-Jan-15		11-Aug-15		0%	Submit Updated DDA to
DD67698	ICEApproval & Issue Check Cert	18	26-Jan-15	14-Feb-15	11-Aug-15	31-Aug-15	0%	IÇEApproval & Is
DD67708	Submit ICE Check Cert to SO	6	16-Feb-15	28-Feb-15	01-Sep-15	07-Sep-15	0%	Submit ICE C
DD67718	IPs Review	28	26-Jan-15	22-Feb-15	11-Aug-15	07-Sep-15	0%	IPs Review
DD67728	IP's No Objection Received	0		22-Feb-15		07-Sep-15	0%	IP's No Objecti
DD67738	SO's Review	35	26-Jan-15	01-Mar-15	11-Aug-15	14-Sep-15	0%	SO's Review
(12) AIP - N	North & South Ventilaiton Buildings - Foundation/S	tructural	Design					
AP00625	Review & Comment by SO/ ICE/ IPs	28	22-May-14	18-Jun-14	23-Aug-14A	04-Oct-14A	100%	& Comment by SO/ ICE/ IPs
AP00630	Advance Commants from SO/ Comments from ICE/ IPs Received	0		18-Jun-14		04-Oct-14A	100%	e Commants from SO/ Comments from ICE/ IPs Received
AP00635	Designer to Prepare RtC & Updated AIP	18	19-Jun-14	10-Jul-14	06-Oct-14A	03-Nov-14A	100%	Designer to Prepare RtO & Updated AIF
AP00640	Submisson of AIP to SO/ ICE together with Reply To Comment (RTC)	0		10-Jul-14		03-Nov-14A	100%	Submisson of AIP to SO/ICE together with Reply To Comment ($R^{T}C$)
AP00645	Reply to IPs Comments in RTC	0		10-Jul-14		03-Nov-14A	100%	Reply to IPs Comments in RTC
AP00660	No Objection or Further Minor Comments from IPs Received	0	ن د د وو	31-Jul-14	00 kl	22-Nov-14	0%	No Objection or Further Minor Comments from Ps Received
AP00680	SO Review (35 Days)	35	11-Jul-14	14-Aug-14	03-Nov-14A	04-Dec-14	40%	SQ Review (35 Days)
AP00685	SO Approval with Condition R eceived	0		14-Aug-14		04-Dec-14	0%	SQApproval with Condition Received
(I2) DDA f	or North Vent.Bldgs.Foundation Design Preparation of DDANth VB Foundation design	18	15-Aug-14	04-Sep-14	05-Dec-14	27-Dec-14	0%	Preparation of DDANth VB Foundation design
DD01300	Review & Comment by JV	18	05-Sep-14	26-Sep-14	29-Dec-14	19-Jan-15	0%	Review & Comment by JV
DD01303	Designer prepare DDA	10	27-Sep-14	10-Oct-14	29-Dec-14 20-Jan-15	30-Jan-15	0%	Destgner prepare DDA
DD01315	Formal Submission of DDAto ICE/ IPs	0		10-Oct-14		30-Jan-15	0%	Formal Submission of DDA to ICE/ IPs
DD01320	Advanced Submission to SO	0		10-Oct-14		30-Jan-15	0%	♦ Advances Submission to SO
0001320	IPs/ SO's Advance Comments/ ICE Comments	28	11-Oct-14	07-Nov-14	31-Jan-15	27-Feb-15	0%	Ps/ SO's Advance Comments/ ICE Comments
DD01325		0		07-Nov-14		27-Feb-15	0%	Comments Received
	Comments Received	0			28-Feb-15	24-Mar-15	0%	Designer to Reply RtC + Update Submiss
DD01325	Comments Received Designer to Reply RtC + Update Submission	21	08-Nov-14	02-Dec-14			1	
DD01325 DD01330			08-Nov-14 03-Dec-14	02-Dec-14	25-Mar-15		0%	Submit Updated DDAto SO/ ICE/ IP\$
DD01325 DD01330 DD01335	Designer to Reply RtC + Update Submission	21		02-Dec-14 16-Dec-14	25-Mar-15 25-Mar-15	11-Apr-15	0%	Submit Updated DDAto SO/ ICE/ IPs
DD01325 DD01330 DD01335 DD01340	Designer to Reply RtC + Update Submission Submit Updated DDA to SO/ ICE/ IPs	21 0	03-Dec-14			11-Apr-15 18-Apr-15		
DD01325 DD01330 DD01335 DD01340 DD01345	Designer to Reply RtC + Update Submission Submit Updated DDA to SO/ ICE/ IPs ICEApproval & Issue Check Cert	21 0 12	03-Dec-14 03-Dec-14	16-Dec-14	25-Mar-15	•	0%	ICEApproval & Issue Check Cert
DD01325 DD01330 DD01335 DD01340 DD01345 DD01350	Designer to Reply RtC + Update Submission Submit Updated DDA to SO/ ICE/ IPs ICEApproval & Issue Check Cert Submit ICE Check Cert to SO	21 0 12 6	03-Dec-14 03-Dec-14 17-Dec-14	16-Dec-14 23-Dec-14	25-Mar-15 13-Apr-15	18-Apr-15	0%	ICEApproval & Issue Check Cert
DD01325 DD01330 DD01335 DD01340 DD01345 DD01350 DD01355 DD01360	Designer to Reply RtC + Update Submission Submit Updated DDA to SO/ ICE/ IPs ICEApproval & Issue Check Cert Submit ICE Check Cert to SO IPs Review IP's No Objection Received	21 0 12 6 28	03-Dec-14 03-Dec-14 17-Dec-14	16-Dec-14 23-Dec-14 30-Dec-14	25-Mar-15 13-Apr-15	18-Apr-15 21-Apr-15	0%	ICE Approval & Issue Check Cert UE Submit ICE Check Cert to SO IPs Review IPs No Objection Received
DD01325 DD01330 DD01335 DD01340 DD01345 DD01350 DD01355 DD01360 11 of 17	Designer to Reply RtC + Update Submission Submit Updated DDA to SO/ ICE/ IPs ICE Approval & Issue Check Cert Submit ICE Check Cert to SO IPs Review IP's No Objection Received Planned Bar	21 0 12 6 28	03-Dec-14 03-Dec-14 17-Dec-14	16-Dec-14 23-Dec-14 30-Dec-14	25-Mar-15 13-Apr-15	18-Apr-15 21-Apr-15	0%	ICE Approval & Issue Check Cert ISubmit ICE Check Cert to SO IPs Review
DD01325 DD01330 DD01335 DD01340 DD01345 DD01350 DD01355 DD01360	Designer to Reply RtC + Update Submission Submit Updated DDA to SO/ ICE/ IPs ICE Approval & Issue Check Cert Submit ICE Check Cert to SO IPs Review IP's No Objection Received Planned Bar Planned Bar	21 0 12 6 28 0	03-Dec-14 03-Dec-14 17-Dec-14 03-Dec-14	16-Dec-14 23-Dec-14 30-Dec-14 30-Dec-14	25-Mar-15 13-Apr-15	18-Apr-15 21-Apr-15 21-Apr-15	0% 0% 0%	□ ICEApproval & Issue Check Cert □ Submit ICE Check Cert to SO □ IPs Review □ IPs No Objection Received □ Date Revision Checked A 21-Feb-14 TMCLK/DBJ/GEN/PR SPa W
DD01325 DD01330 DD01335 DD01340 DD01345 DD01350 DD01355 DD01360	Designer to Reply RtC + Update Submission Submit Updated DDA to SO/ ICE/ IPs ICE Approval & Issue Check Cert Submit ICE Check Cert to SO IPs Review IPs No Objection Received Planned Bar Planned Bar Planned Bar Planned Bar	21 0 12 6 28 0	03-Dec-14 03-Dec-14 17-Dec-14 03-Dec-14 K - Northerr	16-Dec-14 23-Dec-14 30-Dec-14 30-Dec-14	25-Mar-15 13-Apr-15 25-Mar-15	18-Apr-15 21-Apr-15 21-Apr-15	0% 0% 0%	ICEApproval & Issue Check Cert Submit ICE Check Cert to SO IPs Review IPs No Objection Received Date Revision Checked A 21-Feb-14 TMCLK/DBJ/GEN/PR SPa W
DD01325 DD01330 DD01335 DD01340 DD01345 DD01350 DD01355 DD01360	Designer to Reply RtC + Update Submission Submit Updated DDA to SO/ ICE/ IPs ICE Approval & Issue Check Cert Submit ICE Check Cert to SO IPs Review IP's No Objection Received Planned Bar Planned Bar ◆ ◆ Planned Milestone	21 0 12 6 28 0	03-Dec-14 03-Dec-14 17-Dec-14 03-Dec-14 K - Northerr	16-Dec-14 23-Dec-14 30-Dec-14 30-Dec-14	25-Mar-15 13-Apr-15 25-Mar-15	18-Apr-15 21-Apr-15 21-Apr-15	0% 0% 0% 0%	□ ICEApproval & Issue Check Cert □ Submit ICE Check Cert to SO □ IPs Review □ IPs No Objection Received □ Date Revision Checked A 21-Feb-14 TMCLK/DBJ/GEN/PR SPa W

Activity ID	Activity Name	Orig Dur	Planned Start	Planned Finish	Current Start	Current Finish	14W47 % Comp	2014 2015
DD01380	SO's Review	35	03-Dec-14	06-Jan-15	25-Mar-15	28-Apr-15	% Comp	I Aug Sep Oct Nov Dec Jan Feb Mar Apr May
DD01380	SOS Review SO Approval with Condition R eceived	0	03-Dec-14	06-Jan-15	23-IVIAI-13	28-Apr-15	0%	SO's Review
	for North Vent.Bldgs.Structural Design incl.Vent.Con	nections	i					
DD68008	Preparation of DDANth VB Structural Design incl Vent conn	18	05-Sep-14	26-Sep-14	29-Dec-14	19-Jan-15	0%	Preparation of DDANth VB Structural Design incl Vent conn
DD68018	Review & Comment by JV	18	27-Sep-14	20-Oct-14	20-Jan-15	09-Feb-15	0%	Review & Comment by JV
DD68020	Designer prepare DDA	10	21-Oct-14	31-Oct-14	10-Feb-15	27-Feb-15	0%	Designer prepare DDA
DD68028	Formal Submission of DDA to ICE/ IPs	0		31-Oct-14		27-Feb-15	0%	Pormal Submission of DDAto ICE/ IPs
DD68030	Advanced Submission to SO IPs/ SO's Advance Comments/ ICE Comments	0 28	01-Nov-14	31-Oct-14 28-Nov-14	28-Feb-15	27-Feb-15 27-Mar-15	0%	Advanced Submission to SQ
DD68038	Comments Received	0	01-1100-14	28-Nov-14	20-Feb-15	27-Mar-15	0%	IPs/ SOIs Advance/Comments/ ICE Comments ◆ Comments Received
DD68048	Designer to Reply RtC + Update Submission	21	29-Nov-14	23-Dec-14	28-Mar-15	25-Apr-15	0%	Designer to Reply RtC + Update Submission
DD68058	Submit Updated DDA to SO/ ICE/ IPs	0	24-Dec-14		27-Apr-15		0%	Submit Updated DDAto SO/ ICE/ IPS
DD68068	ICEApproval & Issue Check Cert	12	24-Dec-14	09-Jan-15	27-Apr-15	11-May-15	0%	ICE Approval & Issue Check Cert
DD68078	Submit ICE Check Cert to SO	6	10-Jan-15	16-Jan-15	12-May-15	18-May-15	0%	Sydomit ICE Check Cert to SO
DD68088	IPs Review	28	24-Dec-14	20-Jan-15	27-Apr-15	24-May-15	0%	IPs Review
DD68098	IP's No Objection Received	0	04 Dec 14	20-Jan-15	07.4-+ 15	24-May-15	0%	◆ IP's No Objection Received
DD68210	SO's Review SO Approval with Condition R eceived	35	24-Dec-14	27-Jan-15 27-Jan-15	27-Apr-15	31-May-15 01-Jun-15	0%	SO's Review
	for North & South Vent.Bldgs. Service and E&M Provi			2. 00.1 10			0,0	
DD01600	Preparation of DDANth VB Service and E&MS Provision	18	12-Sep-14	04-Oct-14	22-Aug-14A	18-Nov-14	89%	Preparation of DDANth VB Service and E&MS Provision
DD01605	Review & Comment by JV	24	06-Oct-14	01-Nov-14	19-Nov-14	16-Dec-14	0%	Review & Comment by JV
DD01610	Designer prepare DDA	15	03-Nov-14	19-Nov-14	17-Dec-14	06-Jan-15	0%	Pesigner prepare DD/A
DD01615	Formal Submission of DDA to ICE/ IPs	0		19-Nov-14		06-Jan-15	0%	Formal Submission of DDA to ICE/ IPs
DD01620	Advanced Submission to SO	0		19-Nov-14		06-Jan-15	0%	Advanced Submission to SO
DD01625	IPs/SO's Advance Comments/ ICE Comments	28	20-Nov-14	17-Dec-14	07-Jan-15	03-Feb-15	0%	IPs/ SO's Advance Comments/ ICE Comments
DD01630	Comments Received Designer to Reply RtC + Update Submission	0 21	18-Dec-14	17-Dec-14 14-Jan-15	04-Feb-15	03-Feb-15 06-Mar-15	0%	Comments Received
DD01635	Submit Updated DDA to SO/ ICE/ IPs	0	15-Jan-15	1	04-Feb-15 07-Mar-15	55 Wict - 13	0%	Designer to Heply HtQ + Update Subm Submit Updated DDAto SO/ ICE/ IPs
DD01645	ICEApproval & Issue Check Cert	12	15-Jan-15	28-Jan-15	07-Mar-15	20-Mar-15	0%	CEApproval & Issue Check Cert
DD01650	Submit ICE Check Cert to SO	6	29-Jan-15	04-Feb-15	21-Mar-15	27-Mar-15	0%	Submit ICE Check Cert to SO
DD01655	IPs Review	28	15-Jan-15	11-Feb-15	07-Mar-15	03-Apr-15	0%	IP\$ Review
DD01660	IP's No Objection Received	0		11-Feb-15		03-Apr-15	0%	◆ IP's No Objection Received
DD01665	SO's Review	35	15-Jan-15	18-Feb-15	07-Mar-15	10-Apr-15	0%	SO's Review
DD01670	SO Approval with Condition R eceived	0		18-Feb-15		10-Apr-15	0%	SO Approval with Condition
(J1) AIP I AP01805	Temp.works for Construction of Nth.Vent.Bldg.	12	06-Jun-14	19-Jun-14	03-Jul-14A	22-Sep-14A	100%	v & Comment by JV
AP01810	Designer Prepare AIP	6	20-Jun-14	26-Jun-14	23-Sep-14A	26-Sep-14A	100%	gner Prepare AIP
AP01815	Formal Submission of AIP to ICE/IPs	0		26-Jun-14		26-Sep-14A	100%	nal Şubmission of AIP to (CE/IPs
AP01820	Advanced Submission of AIP to SO	0		26-Jun-14		26-Sep-14A	100%	anced Submission of AIP to SO
AP01825	Review & Comment by SO/ ICE/ IPs	28	27-Jun-14	24-Jul-14	27-Sep-14A	18-Nov-14	93%	■ ===eview & Comment by SO/ ICE/ IPs
AP01830	Advance Commants from SO/ Comments from ICE/ IPs Received	0		24-Jul-14		18-Nov-14	0%	♦ Advance Commants from SO Comments from ICE/ IPs Received
AP01835	Designer to Prepare RtC & Updated AIP	18	25-Jul-14	14-Aug-14	19-Nov-14	09-Dec-14	0%	Designer to Prepare RtC & Updated AIP
AP01840 AP01845	Submisson of AIP to SO/ ICE together with Reply To Comment (RTC) Reply to IPs Comments in RTC	0		14-Aug-14 14-Aug-14		09-Dec-14 09-Dec-14	0%	 Submisson of AIP to SQP105 together with Reply To Comment (RTC) Reply to IPs Comments in PTC
AP01850	ICEApproval & Issue of Design Check Cert.	18	15-Aug-14	04-Sep-14	10-Dec-14	02-Jan-15	0%	Repy to it's Commence in C ICE Approval & Issue of Design Check Cert.
AP01855	Check Cert to SO	0		04-Sep-14		02-Jan-15	0%	Check Cert to SO
AP01860	No Objection or Further Minor Comments from IPs Received	0		04-Sep-14		02-Jan-15	0%	♦ No Objection or Europe or Minor Comments from IPs Received
AP01880	SO Review (35 Days)	35	15-Aug-14	18-Sep-14	11-Dec-14	14-Jan-15	0%	SO Review (35 Days)
AP01885	SO Approval with Condition R eceived	0		18-Sep-14		14-Jan-15	0%	SO Approval with Condition Received
	Temp.works for Construction of Nth.Vent.Bldg.							
DD04380	Preparation of DDANth VB & Trench ELS	18	19-Sep-14	11-Oct-14	15-Jan-15	04-Feb-15	0%	Preparation of DDANth VB & Trench ELS
DD04390	Review & Comment by JV Designer prepare DDA	18 10	13-Oct-14 03-Nov-14	01-Nov-14 13-Nov-14	05-Feb-15 05-Mar-15	04-Mar-15 16-Mar-15	0%	Review & Comment by JV
DD04400 DD04410	Formal Submission of DDAto ICE/ IPs	0	JU 1907-14	13-Nov-14	55 TVIQI = 15	16-Mar-15	0%	Formal Submission of DDA to ICE/ IPs
DD04420	Advanced Submission to SO	0		13-Nov-14		16-Mar-15	0%	Advanced Submission to SO
DD04430	IPs/ SO's Advance Comments/ ICE Comments	28	14-Nov-14	11-Dec-14	17-Mar-15	13-Apr-15	0%	IPs SO's Advance Comments/ ICE Comments
DD04440	Comments Received	0		11-Dec-14		13-Apr-15	0%	Comments Received
DD04450	Designer to Reply RtC + Update Submission	21	12-Dec-14	08-Jan-15	14-Apr-15	08-May-15	0%	Designer to Reply RtC + Update Submit
DD04460	Submit Updated DDA to SO/ ICE/ IPs	0	09-Jan-15		09-May-15		0%	Submit Updated DDA to SO/ ICE/ Ps
DD04470	ICEApproval & Issue Check Cert	12	09-Jan-15	22-Jan-15	09-May-15	22-May-15	0%	CE Approval & Issue Check Çert
DD04480	Submit ICE Check Cert to SO IPs Review	6 28	23-Jan-15 09-Jan-15	29-Jan-15 05-Feb-15	23-May-15 09-May-15	30-May-15 05-Jun-15	0%	Submit ICE Check Cert to \$O
DD04490	IP's No Objection Received	28 0	oo Jan IJ	05-Feb-15	55 Way* 13	05-Jun-15	0%	IPs Review IPs No Objection Received
DD04540	SO's Review	35	09-Jan-15	12-Feb-15	09-May-15	12-Jun-15	0%	SQ's Review
DD04550	SO Approval with Condition R eceived	0		12-Feb-15		12-Jun-15	0%	SC Approval with Condition F
(C3) DDA	for North Vent Shaft & Duct Permanent Structure	·						
DD67268	Preparation of DDANorth Vent Shaft & Duct Perm Structure	18	07-Aug-14	27-Aug-14	31-Jul-14A	18-Nov-14	83%	Preparation of DDA North Vent Shaft & Duct Perm Structure
DD67278	Review & Comment by JV	18	28-Aug-14	18-Sep-14	19-Nov-14	09-Dec-14	0%	Review & Comment by JV
DD67280	Designer prepare DDA	10	19-Sep-14	30-Sep-14	10-Dec-14	20-Dec-14	0%	Designer prepare DDA
Page 12 of 17 Project ID: TMCLK Data Date: 17-Nov	C_DWPB 14W45-3 Planned Bar Planned Bar	TMCL	Deta		n Sub-Sea Tu Programme 17-Nov-14	nnel Sectio	A member of the Bouy	Date Revision Checked Approved 21-Feb-14 TMCLK/DBJ/GEN/PR SPa WYu Spragges prograges prograges program Construction group gai - 布依格聯會
			110	. y . 565 as 01				

Activi	tv ID	Activity Name	Orig	Planned	Planned	Current Start	Current	14W47	
			Dur	Start	Finish	our one of art	Finish	% Comp	2014 2015
	DD67288	Formal Submission of DDAto ICE/ IPs	0		30-Sep-14	-	20-Dec-14	0%	Aug Sep Oct Nov Dec Jan Feb Mar Apr May ◆ Formal Stoppission of DDA to ICE/ IPs
	DD67290	Advanced Submission to SO	0		30-Sep-14		20-Dec-14	0%	
				01 0++ 14		01 Dec 14			♦ Advanced Selbmission to SO
	DD67298	IPs/ SO's Advance Comments/ ICE Comments	28	01-Oct-14	28-Oct-14	21-Dec-14	17-Jan-15	0%	IPs/ SO's Advance Comments/ ICE Comments
	DD67300	Comments Received	0		28-Oct-14		17-Jan-15	0%	Comments Received
	DD67308	Designer to Reply RtC + Update Submission	21	29-Oct-14	21-Nov-14	19-Jan-15	11-Feb-15	0%	Designer to Reply RtC + Update Submission
	DD67318	Submit Updated DDA to SO/ ICE/ IPs	0	22-Nov-14		12-Feb-15		0%	Submit Updated DDA to SO/ ICE/ IPs
	DD67328	ICEApproval & Issue Check Cert	12	22-Nov-14	05-Dec-14	12-Feb-15	04-Mar-15	0%	ICEApproval & Issue Check Cert
	DD67338	Submit ICE Check Cert to SO	6	06-Dec-14	12-Dec-14	05-Mar-15	11-Mar-15	0%	Submit ICE Check Cert to SO
	DD67348	IPs Review	28	22-Nov-14	19-Dec-14	12-Feb-15	11-Mar-15	0%	IPs Review
	DD67358	IP's No Objection Received	0		19-Dec-14		11-Mar-15	0%	◆ IP's No Objection Received
	DD67368	SO's Review	35	22-Nov-14	26-Dec-14	12-Feb-15	18-Mar-15	0%	SO's Review
	DD67378	SO Approval with Condition R eceived	0		27-Dec-14		18-Mar-15	0%	SO Approval with Condition R eceived
	(D6) IFA N	/lisc.Temp.Support for Excavation >2m depth				<u> </u>			
	DD05180	Preparation of IFA Misc Temp Support for Excavation >2m depth	18	13-Dec-14	06-Jan-15	27-Feb-15	19-Mar-15	0%	Preparation of IFA Misc Temp Support for
	DD05190	Review & Comment by JV	18	07-Jan-15	27-Jan-15	20-Mar-15	14-Apr-15	0%	Review & Comment by JV
	DD05200	Designer prepare IFA	10	28-Jan-15	07-Feb-15	15-Apr-15	25-Apr-15	0%	
				20-541-15		13-Apr-13	-		Designer prepare IFA
	DD05210	Formal Submission of IFA to ICE/ IPs	0		07-Feb-15		25-Apr-15	0%	Formal Submission of IFA to IC
	DD05220	Advanced Submission to SO	0		07-Feb-15		25-Apr-15	0%	♦ Advanced Submission to SO
	DD05230	IPs/ SO's Advance Comments/ ICE Comments	28	08-Feb-15	07-Mar-15	26-Apr-15	23-May-15	0%	IPs/ SO's Advance Co
	(D9) AIP T	Temporary support and dewatering measures for Ven	t Duct E	LS design fo	r Northern La	andfall			
	DD69280	Prepare AIP Temp Support & Dewatering measures for Vent Duct ELS at Northern Landfall	18	09-Dec-14	31-Dec-14	23-Jul-15	12-Aug-15	0%	Prepare AIP Temp Support & Dewatering m
	DD69290	Review & Comment by JV	18	02-Jan-15	22-Jan-15	13-Aug-15	02-Sep-15	0%	Review & Comment by JV
	DD69300	Designer prepare AIP	10	23-Jan-15	03-Feb-15	03-Sep-15	14-Sep-15	0%	Designer prepare AIP
	DD69310	Formal Submission of DDA to ICE/ IPs	0		03-Feb-15		14-Sep-15	0%	Formal Submission of DDAto I
	DD69320	Advanced Submission to SO	0		03-Feb-15		14-Sep-15	0%	Advanced Submission to SO
	DD69330	IPs/ SO's Advance Comments/ ICE Comments	28	04-Feb-15	03-Mar-15	15-Sep-15	12-Oct-15	0%	IPs/ SQ's Advance Cor
	North Surfa	ace Roadworks, Utility & Drainage works							
	Design Su							·	
		A for Traffic Sign, Road Marking, Street Furnitures, Sig	an Cont	nu ⁹ oto					
	DD01700	Design Prepare DDA- Traffic Sign, Road Marking, Street Furnitures, Sign	-	-	12 Cop 14	13-Sep-14A	17 Oct 14 A	100%	
		Gantry & etc	18	23-Aug-14	13-Sep-14	· ·	17-Oct-14A		Design Prepare DDA - Traffic Sign, Road Marking, Street Furnitures, Sign Gant
	DD01705	Review & Comment by JV	18	15-Sep-14	07-Oct-14	17-Oct-14A	19-Nov-14	80%	Review & Comment by JV
	DD01710	Designer prepare DDA	10	08-Oct-14	18-Oct-14	20-Nov-14	01-Dec-14	0%	Designer prepare DDA
	DD01715	Formal Submission of DDA to ICE/ IPs	0		18-Oct-14		01-Dec-14	0%	Formal Submission of DDA to ICE/ IPs
	DD01720	Advanced Submission to SO	0		18-Oct-14		01-Dec-14	0%	Advanced Submission to SO
	DD01725	IPs/ SO's Advance Comments/ ICE Comments	28	19-Oct-14	15-Nov-14	02-Dec-14	29-Dec-14	0%	IPs/ SO's Advance Comments/ ICE Comments
	DD01730	Comments Received	0		15-Nov-14		29-Dec-14	0%	Cpmments Received
	DD01735	Designer to Reply RtC + Update Submission	21	17-Nov-14	10-Dec-14	30-Dec-14	23-Jan-15	0%	Designer to Reply RtC + Update Submission
	DD01740	Submit Updated DDA to SO/ ICE/ IPs	0	11-Dec-14		24-Jan-15		0%	◆ Submit Updated DDAto SO/ ICE/ IPs
	DD01745	ICEApproval & Issue Check Cert	12	11-Dec-14	24-Dec-14	24-Jan-15	06-Feb-15	0%	ICEApproval & Issue Check Cert
	DD01750	Submit ICE Check Cert to SO	6	27-Dec-14	03-Jan-15	07-Feb-15	13-Feb-15	0%	Submit ICE Check Cert to SO
	DD01755	SO's Review	35	11-Dec-14	14-Jan-15	24-Jan-15	27-Feb-15	0%	SQ's Review
	DD01760	SO Approval with Condition R eceived	0		14-Jan-15		27-Feb-15	0%	◆ SQApproval with Condition Received
				h Longtell			2.100-10	0,0	
		for Sewerage, Drainage, Waterworks & Utility works f			10 Aug 14	04 Cap 144	10 0+ 144	1000/	
	DD02100	Preparation of DDA Sewerage & Drainage works for Nth Landfall	18	24-Jul-14	13-Aug-14	04-Sep-14A	10-Oct-14A	100%	Preparation of DDA Sewerage & Drainage works for Nth Landfall
	DD02105	Review & Comment by JV	18	14-Aug-14	03-Sep-14	10-Oct-14A	18-Nov-14	89%	Review & Comment by JV
	DD02110	Designer prepare DDA	10	04-Sep-14	16-Sep-14	19-Nov-14	29-Nov-14	0%	Designer prepare DDA
	DD02115	Formal Submission of DDA to ICE/ IPs	0		16-Sep-14		29-Nov-14	0%	Formal Submission of DDA to ICE/ IPs
	DD02120	Advanced Submission to SO	0		16-Sep-14		29-Nov-14	0%	Advanced Submission to SO
	DD02125	IPs/ SO's Advance Comments/ ICE Comments	28	17-Sep-14	14-Oct-14	30-Nov-14	27-Dec-14	0%	IPs/ SOs Advance Comments/ ICE Comments
	DD02130	Comments Received	0		14-Oct-14		27-Dec-14	0%	Compents Received
	DD02135	Designer to Reply RtC + Update Submission	21	15-Oct-14	07-Nov-14	29-Dec-14	22-Jan-15	0%	Designer to Reply RtC + Update Submission
	DD02140	Submit Updated DDA to SO/ ICE/ IPs	0	08-Nov-14		23-Jan-15		0%	Submit Updated DDA to \$0/ ICE/ IPs
	DD02145	ICEApproval & Issue Check Cert	12	08-Nov-14	21-Nov-14	23-Jan-15	05-Feb-15	0%	ICE Approval & Issue Check Cert
	DD02150	Submit ICE Check Cert to SO	6	22-Nov-14	28-Nov-14	06-Feb-15	12-Feb-15	0%	Submit CE Check Cert to \$O
	DD02155	IPs Review	28	08-Nov-14	05-Dec-14	23-Jan-15	19-Feb-15	0%	
	DD02160	IP's No Objection Received	0		05-Dec-14		19-Feb-15	0%	
				00 Nav. 4.4		00 log 15			IP's No Objection Received
	DD02165	SO's Review	35	08-Nov-14	12-Dec-14	23-Jan-15	26-Feb-15	0%	SO's Review
	DD02170	SO Approval with Condition R eceived	0		12-Dec-14		26-Feb-15	0%	SOApproval with Condition Received
	Sub-sea Tu								
		BM Tunnelling							
	 Major Proc	curement							

Major Pro	curement														
S881 -															
PO103430	S881 - 13.6m dia - TBM - V	/orkshop Assembly	70	02-Feb-15	06-May-15	27-Mar-15	24-Jun-15	0%							
Precast S	Semgnet ID12.40 - P	rodcution for Sub-sea TBM Tunn	el												
A6418040	ID 12.40 TBM Segment Rine	g Fabrication - 12 rings per day	300	22-Nov-14	19-Dec-15	24-Nov-14	21-Dec-15	0%							
Design Su	ubmission				1										
(A5) Grou	und Investigation R	eport - Phase 2 - Northern Landfa	ll & Tun	nel			. –								
GS00960	Preparation of Ground Inves	stigation Report - Phase 2 - Northern Landfall &	43	02-May-14	23-Jun-14	06-Jun-14A	18-Nov-14	95%	aration of Grou	nd Investigation	n Report - Ph	nase 2 - North	ern Landfall & Tun	nel	
GS00970	*1st Submission		0		23-Jun-14		18-Nov-14	0%	Submission						
age 13 of 17 oject ID: TMCLK ata Date: 17-Nov	(_ DWPB 14W45-3 /-14	 Planned Bar Planned Bar Planned Milestone Progress bar Progress Milestone 	TMCL	Deta		Programme	unnel Section	A member of the Bouy	香寶嘉 港賀嘉 HongKong ygues Construction group buygues Joint Venture	BOUYG TEAVALX P 寶嘉 - 布依格攀鹭	21-	Date Feb-14 TMC	Revision CLK/DBJ/GEN/PR.	Checked	Approved WYu

Activi	ity ID	Activity Name	Orig Dur	Planned Start	Planned Finish	Current Start	Current Finish	14W47 % Comp	2014 2015
	GS00980	SO's Comments for 1st Submission	35	24-Jun-14	28-Jul-14	19-Nov-14	23-Dec-14	0%	I Aug Sep Oct Nov Dec Jan Feb Mar Apr May
	GS00980 GS00990	Prepare Re-submission	10	29-Jul-14	08-Aug-14	24-Dec-14	07-Jan-15	0%	SO's Comments for 1st Submission
	GS00992	*2nd Submission	0		08-Aug-14		07-Jan-15	0%	◆ *2nd Submission
	GS00994	SO's Condition Approval	35	09-Aug-14	12-Sep-14	08-Jan-15	11-Feb-15	0%	SO's Condition Approval
	(A17) Inst	urmentation & Monitoring Plan for CLPP Submarine	Cable						
	GS01900	Preparation of Instrumentation and Monitoring Plan for CLPP Submarine Cable	20	02-May-14	26-May-14	09-Jun-14A	16-Oct-14A	100%	Instrumentation and Monitoring Plan for SLPP Submarine Cable
	GS01905 GS01910	1st Submission CLP'S Comment	0 28	27-May-14	26-May-14 	16-Oct-14A	16-Oct-14A 16-Oct-14A	100%	n S Comment
	GS01915	CLP Comment Received	0		23-Jun-14		16-Oct-14A	100%	Comment Received
	GS01920	SO's Comments for 1st Submission	35	27-May-14	30-Jun-14	16-Oct-14A	16-Oct-14A	100%	Is Comments for 1st Submission
	GS01925	Prepare Re-submission	6	02-Jul-14	08-Jul-14	16-Oct-14A	16-Oct-14A	100%	Prepare Re-submission
	GS01930	2nd Submission	0		08-Jul-14		16-Oct-14A	100%	2nd Submission
	GS01935	ICE Cert. Issue	6	09-Jul-14	15-Jul-14	16-Oct-14A	16-Oct-14A	100%	ICE Cert. Issue
	GS01957 GS01958	CLP'S Comment CLP Comment Received	28	09-Jul-14	05-Aug-14 05-Aug-14	16-Oct-14A	16-Oct-14A 16-Oct-14A	100%	
	GS01958	SO's Condition Approval	35	09-Jul-14	12-Aug-14	16-Oct-14A	16-Oct-14A	100%	CLP Comment Received SO's Condition Approval
		Assessment of Submarine Cable - Tunnelling Works							
	GS01400	Preparation of Risk Assessm ent of Submarine cables - Tunnelling Works	24	12-Dec-14	12-Jan-15	26-Feb-15	25-Mar-15	0%	Preparation of Risk Assessm ent of Sub
	GS01405	1st Submission	0		12-Jan-15		25-Mar-15	0%	◆ 1stSubmission
	GS01410	SO's Comments for 1st Submission	35	13-Jan-15	16-Feb-15	26-Mar-15	29-Apr-15	0%	SO's Comments for 1st Su
	GS01420	CLP Review (4 weeks)	28	16-Jan-15	12-Feb-15	29-Mar-15	25-Apr-15	0%	
	GS01425 GS01430	CLP Comment Received Prepare Re-submission	0	17-Feb-15	12-Feb-15 09-Mar-15	30-Apr-15	25-Apr-15 14-May-15	0%	CLP Comment Received Prepare Re-submiss
		prepare re-submission		1.100-13	00 IVIGI = 10	00 nµi≊13	. + iviay*13	070	Prepare Re-submiss
	DD71000	IPs/ SO's Advance Comments/ ICE Comments	28	08-Apr-14	05-May-14	14-Jun-14A	18-Nov-14	93%	mments/ ICE Comments
	DD71010	Designer to Reply RtC + Update Submission	21	07-May-14	30-May-14	19-Nov-14	08-Dec-14	0%	teply RtC + Update Submission
	DD71020	Submit Updated IFA to SO/ ICE/ IPs	0	31-May-14		09-Dec-14		0%	ted IFA to SO/ ICE/ IPs
	DD71030	ICEApproval & Issue Check Cert	12	31-May-14	14-Jun-14	13-Jun-14A	10-Dec-14	80%	oval & Issue Oheck Cert
	DD71040	Submit ICE Check Cert to SO	6	16-Jun-14	21-Jun-14	11-Dec-14	17-Dec-14	0%	t ICE Check Cert to SO
	DD71050	IPs Review IPs No Objection Received	28	31-May-14	27-Jun-14 27-Jun-14	09-Dec-14	05-Jan-15 05-Jan-15	0%	Review
	DD71060	SO's Review	35	31-May-14	27-Jun-14 04-Jul-14	09-Dec-14	12-Jan-15	0%	No Objection Received
	DD71080	SO Approval with Condition R eceived	0		04-Jul-14		12-Jan-15	0%	D Approval with Condition Received
	DD71200	TBM Segment Mould Acceptance & Trial	0	11-Jul-14		13-Jan-15		0%	TBM Segment Mould Acceptance & Tria
	(G1) DDA	for TBM Tunnel Lining Structural Design - Sub-sea to	unnel			<u> </u>			
	DD6520	IPs/ SO's Advance Comments/ ICE Comments	28	23-Apr-14	20-May-14	16-Aug-14A	13-Oct-14A	100%	e Comments/ ICE Comments
	DD6525	Comments Received	0		20-May-14		13-Oct-14A	100%	sived
	DD6530	Designer to Reply RtC + Update Submission	50	03-Jun-14	31-Jul-14	13-Oct-14A	17-Oct-14A	100%	Designer to Reply RtC + Update Submission
	DD6540	Submit Updated DDA to SO/ ICE/ IPs (incorporate CPOpening details) ICEApproval & Issue Check Cert	0	01-Aug-14 01-Aug-14	14-Aug-14	17-Oct-14A 11-Aug-14 A	18-Sep-14A	100%	Submit/Updated DDAto SO/ ICE/ IPs(incorporate CP Opening details) ICEApproval & Issue Check Cert
	DD 6560	Submit ICE Check Cert to SO	6	15-Aug-14	21-Aug-14	19-Sep-14A	30-Sep-14A	100%	Submit ICE Check Cert to SO
	DD6570	IPs Review	28	01-Aug-14	28-Aug-14	17-Oct-14A	11-Nov-14 A	100%	IPs Review
	DD6580	IP's No Objection Received	0		28-Aug-14		11-Nov-14 A	100%	IP's No Objection Received
	DD6630	SO's Review	35	01-Aug-14	04-Sep-14	17-Oct-14A	11-Nov-14 A	100%	SO's Review
	DD6640	SO Approval with Condition R eceived	0		04-Sep-14		11-Nov-14 A	100%	SO Approval with Condition R eceived
	DD6660	Sub-sea TBM Tunnel Segment - Precast Mould Fabrication	24	05-Sep-14	06-Oct-14	12-Nov-14A	03-Dec-14	38%	Sub-sea TBM Tunnel Segment - Precast Mould Fabrication
	DD6670	Sub-sea TBM Tunnel Segment - Fabrication	265	07-Oct-14	31-Aug-15	04-Dec-14	31-Oct-15	0%	
	(G1) DDA AN 1150	for TBM Tunnel Lining Settlement Anlysis & Confine DDASettlement Analysis & Confinement Pressure for Sub-sea Tunnel	246	21-Nov-13	24-Sep-14	21-Nov-13A	20-Nov-14	98%	DDA Settlement Analysis & Confinement Pressure for Sub-sea Tunnel
	DD6690	Preparation of DDATBM Confinement - Sub-sea tunnel	0	25-Sep-14	24-Sep-14 25-Sep-14	21-Nov-13A 21-Nov-14	20-1400-14 21-Nov-14	0%	Preparation of DDATBM Confinement -Sub-sea tunnel
	DD6700	Review & Comment by JV	12	25-Sep-14	10-Oct-14	21-Nov-14	04-Dec-14	0%	Review & Comment by JV
	DD6705	Designer prepare DDA	12	11-Oct-14	24-Oct-14	05-Dec-14	18-Dec-14	0%	Designer prepare DDA
	DD6710	Formal Submission of DDAto ICE/ IPs	0		24-Oct-14		18-Dec-14	0%	◆ Formal Submission of DDAtq ICE/ IPs
	DD6715	Advanced Submission to SO	0		24-Oct-14		18-Dec-14	0%	♦ Advanced Submission to SO
	DD6720	IPs/SO's Advance Comments/ ICE Comments	28	25-Oct-14	21-Nov-14	19-Dec-14	15-Jan-15	0%	IPs/SO's Advance Comments/ ICE Comments
	DD67258	Comments Received Designer to Reply RtC + Update Submission	0 21	22-Nov-14	21-Nov-14 16-Dec-14	16-Jan-15	15-Jan-15 09-Feb-15	0%	Comments Received
	DD6730	Submit Updated DDA to SO/ ICE/ IPs	0	17-Dec-14	10 000-14	10-Jan-15	JU 1 00" 1J	0%	Designer to Reply RtC + Update Submission Submit Updated DDA to SO/ ICE/ IPs
	DD6750	ICEApproval & Issue Check Cert	12	17-Dec-14	02-Jan-15	10-Feb-15	02-Mar-15	0%	ICE Approval & Issue Cheçk Cert
	DD6760	Submit ICE Check Cert to SO	6	03-Jan-15	09-Jan-15	03-Mar-15	09-Mar-15	0%	Submit ICE Oheck Cert to SO
	DD6770	IPs Review	28	17-Dec-14	13-Jan-15	10-Feb-15	09-Mar-15	0%	IPs Review
	DD6780	IP's No Objection Received	0		13-Jan-15		09-Mar-15	0%	◆ IP's No Objection Received
	DD6830	SO's Review	35	17-Dec-14	20-Jan-15	10-Feb-15	16-Mar-15	0%	\$O's Review
	DD6840	SO Approval with Condition R eceived	0		20-Jan-15		16-Mar-15	0%	SOApproval with Condition Receive
	(G3) DDA	for TBM Tunnel Internal Structures (Sub-sea) Review & Comment by JV	14	25-Aug-14	10-Sep-14	28-Aug-14A	15-Nov-14A	100%	Review & Comment by JV
	DD00903	Designer prepare DDA	12	11-Sep-14	24-Sep-14	15-Nov-14A	21-Nov-14A	100%	Designer prepare DDA
	DD00915	Formal Submission of DDAto ICE/ IPs	0		24-Sep-14		21-Nov-14A	100%	Formal Submission of DDAto ICE/ IPs
	DD00920	Advanced Submission to SO	0		24-Sep-14		21-Nov-14A	100%	Advanced Subhission to SO
Page	e 14 of 17	·							Date Revision Checked Approved
		Planned Bar Planned Bar							21-Feb-14 TMCLK/DBJ/GEN/PR SPa WYu
Proje	ect ID: TMCLK_	DWPB 14W45-3	TMCL	K - Northern	Connectior	n Sub-Sea Tur	nnel Sectio		香寶嘉 港貝茄 Drogages
Data	Date: 17-Nov-	14 Progress bar		Deta	iled Works	Programme			BOUYDUES HongKong Cashtracting grap
		 Progress Milestone 				-		Dragages - Bo	uygues Joint Venture 寶嘉 - 布依格聯營
				Pro	gress as of	17-INOV-14			
_	_		_		_		_		

	ID	Activity Name	Orig	Planned	Planned	Current Start	Current	14W47	0011
			Dur	Start	Finish		Finish	% Comp	2014 2015 I Aug Sep Oct Nov Dec Jan Feb Mar Apr May
	DD00925	IPs/ SO's Advance Comments/ ICE Comments	28	25-Sep-14	22-Oct-14	21-Nov-14A	13-Dec-14	4%	IPs/ \$O's Advance Comments/ ICE Comments
	DD00930	Comments Received	0		22-Oct-14		13-Dec-14	0%	Comments Received
	DD00935	Designer to Reply RtC + Update Submission	21	23-Oct-14	15-Nov-14	15-Dec-14	10-Jan-15	0%	Designer to Reply RtC + Update Submission
	DD00940 DD00945	Submit Updated DDA to SO/ ICE/ IPs ICEApproval & Issue Check Cert	0	17-Nov-14 17-Nov-14	29-Nov-14	12-Jan-15 12-Jan-15	24-Jan-15	0%	Submit Updated DDA to SO/ ICE/ IPs
	DD00950	Submit ICE Check Cert to SO	6	01-Dec-14	06-Dec-14	26-Jan-15	31-Jan-15	0%	Submit ICE Check Cert to SO
	DD00955	IPs Review	28	17-Nov-14	14-Dec-14	12-Jan-15	08-Feb-15	0%	
	DD00960	IP's No Objection Received	0		14-Dec-14		08-Feb-15	0%	IP's No Objection Received
	DD00980	SO's Review	35	17-Nov-14	21-Dec-14	12-Jan-15	15-Feb-15	0%	SO's Revięw
	DD00985	SO Approval with Condition R eceived	0		22-Dec-14		16-Feb-15	0%	SO Approval with Condition Received
	DD00995	Sub-sea Internal Structure - Precast Gallary Mould Design & Fabrication	24	22-Dec-14	21-Jan-15	16-Feb-15	21-Mar-15	0%	Sub-sea Internal Structure - Precast
	DD01015	Sub-sea Tunnel - Precast Gallery Fabrication	244	22-Jan-15	21-Nov-15	23-Mar-15	16-Jan-16	0%	
		nnel Cross Passage & Internal Structure							
	Design Sul		_						
	(G4) AIP -	Cross Passage - Permanent works - Sub-sea tunnel SO Approval with Condition R eceived	0		22-Sep-14		02-Jul-14A	100%	SO Approval wi h Condition R eceived
		for Cross Passage - Permanent works - incl. Geotecl	nical As	sessment - S					
	AN 1175	Lab Test Result from Phase 2 GI	0		01-Dec-14		01-Dec-14*	0%	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	29-Nov-14	92%	Early DDASub-sea Cross Passage Lining & CPOper
	DD01100	Preparation of DDACross Passage incl. Detailed Geotechnical Assessment	0	01-Dec-14	01-Dec-14	01-Dec-14	01-Dec-14	0%	Preparation of DDACross Passage incl. Detailed Ge
	DD01105	Review & Comment by JV	6	01-Dec-14	06-Dec-14	01-Dec-14	06-Dec-14	0%	Review & Comment by JV
	DD01110	Designer prepare DDA	12	08-Dec-14	20-Dec-14	08-Dec-14	20-Dec-14	0%	Designer prepare DDA
	DD01115	Formal Submission of DDA to ICE/ IPs	0		20-Dec-14		20-Dec-14	0%	Formal Submission of DDAto (CE/ IPs
	DD01120	Advanced Submission to SO	0	21 Dec 14	20-Dec-14	21 Dec 14	20-Dec-14	0%	Advanced Submission to SO Up(SO's tableses Comments (ICE C
	DD01125 DD01130	IPs/ SO's Advance Comments/ ICE Comments Comments Received	28 0	21-Dec-14	17-Jan-15 17-Jan-15	21-Dec-14	17-Jan-15 17-Jan-15	0%	IPs/SO's Advance Comments/ICE C ◆ Comments Received
	DD01130	Comments Heceived Designer to Reply RtC + Update Submission	21	19-Jan-15	17-Jan-15 11-Feb-15	19-Jan-15	17-Jan-15 11-Feb-15	0%	Comments Heceived
	DD01140	Submit Updated DDA to SO/ ICE/ IPs	0	12-Feb-15		12-Feb-15		0%	Submit Updated DDAto SO/
	DD01145	ICEApproval & Issue Check Cert	12	12-Feb-15	04-Mar-15	12-Feb-15	04-Mar-15	0%	ICEApproval & Issue
	DD01155	IPs Review	28	12-Feb-15	11-Mar-15	12-Feb-15	11-Mar-15	0%	IPs Review
	DD01180	SO's Review	35	12-Feb-15	18-Mar-15	12-Feb-15	18-Mar-15	0%	SO'S Review
	(H1) DDA	Temp.works for Cross Passages - Sub-sea tunnel (T	ype A)			JJ			
	AN 1210	DDACP Freezing design (Structural & thermal analysis of the ice ring)	176	25-Jul-14	28-Feb-15	18-Jun-14A	27-Dec-14	81%	DDACP Freezing desig
	DD05000	Preparation of DDACross Passages Ground Freezing (TypeA)	18	02-Mar-15	21-Mar-15	29-Dec-14	19-Jan-15	0%	Preparation of D
	DD05010	Review & Comment by JV	18	23-Mar-15	16-Apr-15	20-Jan-15	09-Feb-15	0%	Review
	DD05020	Designer prepare DDA Formal Submission of DDA to ICE/ IPs	10 0	17-Apr-15	28-Apr-15	10-Feb-15	27-Feb-15 27-Feb-15	0%	
	DD05030	Advanced Submission to SO	0		28-Apr-15 28-Apr-15		27-Feb-15	0%	For
		atement Submission	Ů		2070110		2,10010	0,0	
	-	tatement of Cross Passage Ground Freezing							
	MS1300	Preparation Method Statement for CP Ground Freezing	25	17-Sep-14	17-Oct-14	17-Nov-14	15-Dec-14	0%	Preparation Method Statement for CP Ground Freezing
	MS1310	Submit Method Statement to SO/ ICE	0		17-Oct-14		15-Dec-14	0%	♦ Subord Method Statement to SO/ICE
	MS1320	SO Reviews & Comments/ ICE Comments	28	18-Oct-14	14-Nov-14	16-Dec-14	12-Jan-15	0%	SØ Reviews & Comments/ ICE Comments
	MS1330	Re-submission	18	15-Nov-14	05-Dec-14	13-Jan-15	02-Feb-15	0%	Re-submission
	MS1340	ICEApproval & Issue Check Cert.	18	06-Dec-14	29-Dec-14	03-Feb-15	02-Mar-15	0%	ICEApproval & Issue Check Cert.
	MS1350	SO's Review	28	06-Dec-14	02-Jan-15	03-Feb-15	02-Mar-15	0%	SO's Review
	MS1360	SO's Approval	0		02-Jan-15		02-Mar-15	0%	SO's Approval
	outhern La								
	Design Sul								······································
		tional Ground Investigation Plan - Phase 3 - Souther	Landfa	11					
		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 I
	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 1s
		onstruction Risk Assessment - Impact on South La	ndfall						
	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 - Im
		1st Submission	0		10-Dec-14		27-Jul-15	0%	◆ 1st Submission
	GS01205			41 D 17	44 1 15	00 11 17	04 4	<u></u>	
	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
			35 10 0	11-Dec-14 15-Jan-15	14-Jan-15 26-Jan-15 26-Jan-15	28-Jul-15 01-Sep-15	11-Sep-15	0% 0% 0%	Prepare Re-submission
	GS01210 GS01215	SO's Comments for 1st Submission Prepare Re-submission	10		26-Jan-15			0%	
	GS01210 GS01215 GS01220	SO's Comments for 1st Submission Prepare Re-submission 2nd Submission	10 0	15-Jan-15	26-Jan-15 26-Jan-15	01-Sep-15	11-Sep-15 11-Sep-15	0%	Prepare Re-submission 2nd Submission
	GS01210 GS01215 GS01220 GS01225 GS01250	SO's Comments for 1st Submission Prepare Re-submission 2nd Submission ICE Cert. Issue	10 0 6 35	15-Jan-15 27-Jan-15 27-Jan-15	26-Jan-15 26-Jan-15 02-Feb-15	01-Sep-15 12-Sep-15	11-Sep-15 11-Sep-15 18-Sep-15	0%	Prepare Re-submission Prepare Re-submission ICE Cert. Issue
	GS01210 GS01215 GS01220 GS01225 GS01250	SO's Comments for 1st Submission Prepare Re-submission 2nd Submission ICE Cert. Issue SO's Condition Approval	10 0 6 35	15-Jan-15 27-Jan-15 27-Jan-15	26-Jan-15 26-Jan-15 02-Feb-15	01-Sep-15 12-Sep-15	11-Sep-15 11-Sep-15 18-Sep-15	0%	Prepare Re-submission Prepare Re-submission ICE Cert. Issue
	GS01210 GS01215 GS01220 GS01225 GS01225 (F1) AIP T	SO's Comments for 1st Submission Prepare Re-submission 2nd Submission ICE Cert. Issue SO's ConditionApproval emp.works - Retrieval Shaft on Southern Landfall in	10 0 6 35 c. break -	15-Jan-15 27-Jan-15 27-Jan-15	26-Jan-15 26-Jan-15 02-Feb-15 02-Mar-15	01-Sep-15 12-Sep-15 12-Sep-15	11-Sep-15 11-Sep-15 18-Sep-15 16-Oct-15	0% 0% 0%	Prepare Re-submission CE Cert. Issue SO's Condition Approv.
	GS01210 GS01215 GS01220 GS01225 GS01250 (F1) AIP TO AP01600	SO's Comments for 1st Submission Prepare Re-submission 2nd Submission ICE Cert. Issue SO's ConditionApproval emp.works - Retrieval Shaft on Southern Landfall in Preparation of AIP Retrival Shaft on Sth Landfall incl break out	10 0 6 35 c. break 12	15-Jan-15 27-Jan-15 27-Jan-15 •out 25-Sep-14	26-Jan-15 26-Jan-15 02-Feb-15 02-Mar-15 11-Oct-14	01-Sep-15 12-Sep-15 12-Sep-15 18-Mar-15	11-Sep-15 11-Sep-15 18-Sep-15 16-Oct-15 01-Apr-15	0% 0% 0% 0%	Prepare Re-submission Prepare Re-submission CE Cert. Issue SO'S Condition Approva Preparation of AIP Retrival Shaft on Sth Landfall incl break out
	GS01210 GS01215 GS01220 GS01225 GS01250 (F1) AIP To AP01600 AP01605 AP01615	SO's Comments for 1st Submission Prepare Re-submission 2nd Submission ICE Cert. Issue SO's ConditionApproval emp.works - Retrieval Shaft on Southern Landfall in Preparation of AIP Retrival Shaft on Sth Landfall incl break out Review & Comment by JV Designer Prepare AIP Formal Submission of AIP to ICE/IPs	10 0 35 c. break 12 12 6 0	15-Jan-15 27-Jan-15 27-Jan-15 ••••••••••••••••••••••••••••••••••••	26-Jan-15 26-Jan-15 02-Feb-15 02-Mar-15 11-Oct-14 25-Oct-14 01-Nov-14 01-Nov-14	01-Sep-15 12-Sep-15 12-Sep-15 18-Mar-15 01-Apr-15	11-Sep-15 11-Sep-15 18-Sep-15 16-Oct-15 01-Apr-15 20-Apr-15 27-Apr-15 27-Apr-15	0% 0% 0% 0% 0% 0% 0%	Prepare Re-submission
	GS01210 GS01215 GS01220 GS01225 GS01250 (F1) AIP T AP01600 AP01605 AP01610 AP01615 AP01620	SO's Comments for 1st Submission Prepare Re-submission 2nd Submission ICE Cert. Issue SO's Condition Approval emp.works - Retrieval Shaft on Southern Landfall in Preparation of AIP Retrival Shaft on Sth Landfall incl break out Review & Comment by JV Designer Prepare AIP Formal Submission of AIP to ICE/IPs Advanced Submission of AIP to SO	10 0 35 c. break 12 12 6 0 0	15-Jan-15 27-Jan-15 27-Jan-15 •Out 25-Sep-14 11-Oct-14 25-Oct-14	26-Jan-15 26-Jan-15 02-Feb-15 02-Mar-15 11-Oct-14 25-Oct-14 01-Nov-14 01-Nov-14	01-Sep-15 12-Sep-15 12-Sep-15 18-Mar-15 01-Apr-15 20-Apr-15	11-Sep-15 11-Sep-15 18-Sep-15 16-Oct-15 01-Apr-15 20-Apr-15 27-Apr-15 27-Apr-15 27-Apr-15	0% 0% 0% 0% 0% 0% 0% 0%	Prepare Re-submission Prepare Re-submission
	GS01210 GS01215 GS01220 GS01225 GS01250 (F1) AIP To AP01600 AP01605 AP01615	SO's Comments for 1st Submission Prepare Re-submission 2nd Submission ICE Cert. Issue SO's ConditionApproval emp.works - Retrieval Shaft on Southern Landfall in Preparation of AIP Retrival Shaft on Sth Landfall incl break out Review & Comment by JV Designer Prepare AIP Formal Submission of AIP to ICE/IPs	10 0 35 c. break 12 12 6 0	15-Jan-15 27-Jan-15 27-Jan-15 ••••••••••••••••••••••••••••••••••••	26-Jan-15 26-Jan-15 02-Feb-15 02-Mar-15 11-Oct-14 25-Oct-14 01-Nov-14 01-Nov-14	01-Sep-15 12-Sep-15 12-Sep-15 18-Mar-15 01-Apr-15	11-Sep-15 11-Sep-15 18-Sep-15 16-Oct-15 01-Apr-15 20-Apr-15 27-Apr-15 27-Apr-15	0% 0% 0% 0% 0% 0% 0%	Prepare Re-submission
Page 15	GS01210 GS01215 GS01220 GS01225 GS01250 (F1) AIP T AP01600 AP01605 AP01610 AP01615 AP01625	SO's Comments for 1st Submission Prepare Re-submission 2nd Submission ICE Cert. Issue SO's ConditionApproval emp.works - Retrieval Shaft on Southern Landfall in Preparation of AIP Retrival Shaft on Sth Landfall incl break out Review & Comment by JV Designer Prepare AIP Formal Submission of AIP to ICE/IPs Advanced Submission of AIP to SO Review & Comment by SO/ ICE/ IPs	10 0 35 c. break 12 12 6 0 0	15-Jan-15 27-Jan-15 27-Jan-15 •Out 25-Sep-14 11-Oct-14 25-Oct-14	26-Jan-15 26-Jan-15 02-Feb-15 02-Mar-15 11-Oct-14 25-Oct-14 01-Nov-14 01-Nov-14	01-Sep-15 12-Sep-15 12-Sep-15 18-Mar-15 01-Apr-15 20-Apr-15	11-Sep-15 11-Sep-15 18-Sep-15 16-Oct-15 01-Apr-15 20-Apr-15 27-Apr-15 27-Apr-15 27-Apr-15	0% 0% 0% 0% 0% 0% 0% 0%	Prepare Re-submission 2nd Submission ICE Cert. Issue SO's Qondition Approve SO's Qondition Approve Review & Comment by JV Designer Prepare AIP Primal Submission of AIP to ICE/IPs Advanced Submission of AIP to SO Review & Comment by SO' ICE/ IPs Date Review & Comment by SO' ICE/ IPs
	GS01210 GS01215 GS01220 GS01225 GS01250 (F1) AIP T AP01600 AP01605 AP01610 AP01615 AP01620 AP01625 5 of 17	SO's Comments for 1st Submission Prepare Re-submission 2nd Submission ICE Cert. Issue SO's Condition Approval emp.works - Retrieval Shaft on Southern Landfall in Preparation of AIP Retrival Shaft on Sth Landfall incl break out Review & Comment by JV Designer Prepare AIP Formal Submission of AIP to ICE/IPs Advanced Submission of AIP to SO Review & Comment by SO/ ICE/ IPs Planned Bar Planned Bar	10 0 35 c. break 12 12 6 0 0 28	15-Jan-15 27-Jan-15 27-Jan-15 •Out 25-Sep-14 11-Oct-14 25-Oct-14 01-Nov-14	26-Jan-15 26-Jan-15 02-Feb-15 02-Mar-15 11-Oct-14 25-Oct-14 01-Nov-14 01-Nov-14 01-Nov-14 29-Nov-14	01-Sep-15 12-Sep-15 12-Sep-15 12-Sep-15 18-Mar-15 01-Apr-15 20-Apr-15 27-Apr-15	11-Sep-15 11-Sep-15 18-Sep-15 16-Oct-15 01-Apr-15 20-Apr-15 27-Apr-15 27-Apr-15 27-Apr-15 25-May-15	0% 0% 0% 0% 0% 0% 0% 0% 0%	
Project I	GS01210 GS01215 GS01220 GS01225 GS01250 (F1) AIP T AP01600 AP01605 AP01610 AP01615 AP01620 AP01625 5 of 17 ID: TMCLK_	SO's Comments for 1st Submission Prepare Re-submission 2nd Submission ICE Cert. Issue SO's ConditionApproval emp.works - Retrieval Shaft on Southern Landfall in Preparation of AIP Retrival Shaft on Sth Landfall incl break out Review & Comment by JV Designer Prepare AIP Formal Submission of AIP to ICE/IPs Advanced Submission of AIP to SO Review & Comment by SO/ ICE/ IPs Planned Bar Planned Bar Planned Milestone	10 0 35 c. break 12 12 6 0 0 28	15-Jan-15 27-Jan-15 27-Jan-15 •Out 25-Sep-14 11-Oct-14 25-Oct-14 01-Nov-14	26-Jan-15 26-Jan-15 02-Feb-15 02-Mar-15 11-Oct-14 25-Oct-14 01-Nov-14 01-Nov-14 01-Nov-14 29-Nov-14	01-Sep-15 12-Sep-15 12-Sep-15 18-Mar-15 01-Apr-15 20-Apr-15	11-Sep-15 11-Sep-15 18-Sep-15 16-Oct-15 01-Apr-15 20-Apr-15 27-Apr-15 27-Apr-15 27-Apr-15 25-May-15	0% 0% 0% 0% 0% 0% 0% 0% 0%	Prepare Re-submission 2nd Submission CE Cert. Issue SO'S Condition Approved Preparation of AIP Retrival Shaft on Sth Landfall incl break out Preparation of AIP Retrival Shaft on Sth Landfall incl break out Review & Comment by JV Designer Prepare AIP Primal Submission of AIP to ICE/IPs Advanced Submission of AIP to SO Review & Comment by SO' ICE/ IPs Date Review & Comment by SO' ICE/ IPs Date Review & Comment by SO' ICE/ IPs
Project I	GS01210 GS01215 GS01220 GS01225 GS01250 (F1) AIP T AP01600 AP01605 AP01610 AP01615 AP01620 AP01625 5 of 17	SO's Comments for 1st Submission Prepare Re-submission 2nd Submission ICE Cert. Issue SO's ConditionApproval emp.works - Retrieval Shaft on Southern Landfall in Preparation of AIP Retrival Shaft on Sth Landfall incl break out Review & Comment by JV Designer Prepare AIP Formal Submission of AIP to ICE/IPs Advanced Submission of AIP to SO Review & Comment by SO/ ICE/ IPs Planned Bar Planned Bar Planned Bar Planned Milestone 14	10 0 35 c. break 12 12 6 0 0 28	15-Jan-15 27-Jan-15 27-Jan-15 •out 25-Sep-14 11-Oct-14 25-Oct-14 25-Oct-14 01-Nov-14 K - Northerr	26-Jan-15 26-Jan-15 02-Feb-15 02-Mar-15 11-Oct-14 25-Oct-14 01-Nov-14 01-Nov-14 01-Nov-14 29-Nov-14	01-Sep-15 12-Sep-15 12-Sep-15 18-Mar-15 01-Apr-15 20-Apr-15 27-Apr-15	11-Sep-15 11-Sep-15 18-Sep-15 16-Oct-15 01-Apr-15 20-Apr-15 27-Apr-15 27-Apr-15 27-Apr-15 25-May-15	0% 0%	Prepare Re-submission Prepare Re-submission CE Cert. Issue SO's Condition Approvation SO's Condition Approvation Preparation of AIP Retrival Shaft on Sth Landfall incl break out SO's Condition Approvation Review & Comment by JV Designer Prepare AIP Primal Submission of AIP to ICE/IPs Advanced Submission of AIP to SO Review & Comment by SO/ ICE/ IPs Review & Comment by SO/ ICE/ IPs Date Review & Comment by SO/ ICE/ IPs Prepare Date Revision Checked Approved 21-Feb-14 TMCLK/DBJ/GEN/PR SPa WYu SPa WYu
Project I	GS01210 GS01215 GS01220 GS01225 GS01250 (F1) AIP T AP01600 AP01605 AP01610 AP01615 AP01620 AP01625 5 of 17 ID: TMCLK_	SO's Comments for 1st Submission Prepare Re-submission 2nd Submission ICE Cert. Issue SO's ConditionApproval emp.works - Retrieval Shaft on Southern Landfall in Preparation of AIP Retrival Shaft on Sth Landfall incl break out Review & Comment by JV Designer Prepare AIP Formal Submission of AIP to ICE/IPs Advanced Submission of AIP to SO Review & Comment by SO/ ICE/ IPs Planned Bar Planned Bar Planned Milestone	10 0 35 c. break 12 12 6 0 0 28	15-Jan-15 27-Jan-15 27-Jan-15 •out 25-Sep-14 11-Oct-14 25-Oct-14 01-Nov-14 01-Nov-14	26-Jan-15 26-Jan-15 02-Feb-15 02-Mar-15 11-Oct-14 25-Oct-14 01-Nov-14 01-Nov-14 01-Nov-14 29-Nov-14	01-Sep-15 12-Sep-15 12-Sep-15 18-Mar-15 01-Apr-15 20-Apr-15 27-Apr-15 01-Sea Tu Programme	11-Sep-15 11-Sep-15 18-Sep-15 16-Oct-15 01-Apr-15 20-Apr-15 27-Apr-15 27-Apr-15 27-Apr-15 25-May-15	0% 0%	Prepare Re-submission 2nd Submission CE Cert. Issue SO'S Condition Approved Preparation of AIP Retrival Shaft on Sth Landfall incl break out Preparation of AIP Retrival Shaft on Sth Landfall incl break out Review & Comment by JV Designer Prepare AIP Primal Submission of AIP to ICE/IPs Advanced Submission of AIP to SO Review & Comment by SO' ICE/ IPs Date Review & Comment by SO' ICE/ IPs Date Review & Comment by SO' ICE/ IPs

Activity	y ID	Activity Name	Orig	Planned	Planned	Current Start	Current	14W47	
			Dur	Start	Finish		Finish	% Comp	2014 2015 I Aug Sep Oct Nov Dec Jan Feb Mar Apr May
	AP01630	Advance Commants from SO/ Comments from ICE/ IPs Received	0		29-Nov-14		26-May-15	0%	Advance Commants from \$O/ Comments from ICE/
	AP01635	Designer to Prepare RtC & Updated AIP	18	29-Nov-14	20-Dec-14	26-May-15	15-Jun-15	0%	Designer to Prepare RtC & Updated AIP
	AP01640	Submisson of AIP to SO/ ICE together with Reply To Comment (RTC)	0		20-Dec-14		15-Jun-15	0%	Submissor of AIP to SO/ ICE together with Rep
	AP01645	Reply to IPs Comments in RTC	0		20-Dec-14		15-Jun-15	0%	♦ Reply to IPs Comments in RTC
	AP01650	ICEApproval & Issue of Design Check Cert.	18	20-Dec-14	14-Jan-15	16-Jun-15	08-Jul-15	0%	ICE Approval & Issue of Design Check
	AP01655	Check Cert to SO	0		14-Jan-15		08-Jul-15	0%	Check Cert to SO
	AP01660	No Objection or Further Minor Comments from IPs Received	0		14-Jan-15		08-Jul-15	0%	No Objection or Further Minor Comme
	AP01680	SO Review (35 Days)	35	22-Dec-14	26-Jan-15	16-Jun-15	20-Jul-15	0%	SO Review (35 Days)
	AP01685	SO Approval with Condition R eceived	0		26-Jan-15		20-Jul-15	0%	SO Approval with Condition R eceiv
		emp works of Ground Treatment for TBMs passing u							
	AP01905	Review & Comment by JV	18	23-Sep-14	15-Oct-14	06-May-15	27-May-15	0%	Review & Comment by JV
	AP01910	Designer Prepare AIP	12	16-Oct-14	29-Oct-14	28-May-15	10-Jun-15	0%	Designer Prepare AIP
	AP01915	Formal Submission of AIP to ICE/IPs Advanced Submission of AIP to SO	0		29-Oct-14 29-Oct-14		10-Jun-15 10-Jun-15	0%	Por mal/Submission of AIP to ICE/IPs
	AP01920 AP01925	Review & Comment by SO/ ICE/ IPs	28	30-Oct-14	29-0ct-14 26-Nov-14	11-Jun-15	08-Jul-15	0%	Advanced Submission of AIP to SO
	AP01930	Advance Commants from SO/ Comments from ICE/ IPs Received	0		26-Nov-14		08-Jul-15	0%	Review & Comment by SO/ (CE/ IPs ♦ Advance Commants from SO/ Comments from ICE/ IF
	AP01935	Designer to Prepare RtC & Updated AIP	18	27-Nov-14	17-Dec-14	09-Jul-15	29-Jul-15	0%	Designer to Prepare RtC & Updated AIP
	AP01940	Submisson of AIP to SO/ ICE together with Reply To Comment (RTC)	0		17-Dec-14		29-Jul-15	0%	◆ Submisson of AIP to \$0/ ICE together with Rept
	AP01945	Reply to IPs Comments in RTC	0		17-Dec-14		29-Jul-15	0%	◆ Reply to IPs Comments in RTQ
	AP01950	ICE Approval & Issue of Desi gn Check Cert.	18	18-Dec-14	10-Jan-15	30-Jul-15	19-Aug-15	0%	ICE/Approval'& Issue of Design Check
	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 Commer
	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 R pceive
	South Cut &	& Cover Tunnel							
	Design Su	bmission						_	
	_	or South Approach Ramp & C&C Box							
	AP3080	Review & Comment by JV	12	07-Aug-14	21-Aug-14	11-Sep-14 A	19-Sep-14A	100%	Review & Comment by JV
	AP3085	Prepare submission to SO	6	21-Aug-14	28-Aug-14	20-Sep-14A	26-Sep-14A	100%	Prepare submission to SO
	AP3090	Formal Submission of AIP to ICE/IPs	0		28-Aug-14		26-Sep-14A	100%	Formal Submission of AIP to ICE/IPs
	AP3095	Advanced Submission of AIP to SO	0		28-Aug-14		26-Sep-14A	100%	Advanced Submission of AIP to SO
	AP3100	Review & Comment by SO/ ICE/ IPs	28	28-Aug-14	25-Sep-14	27-Sep-14A	27-Oct-14A	100%	Review & Comment by SO/ ICE/ IPs
	AP3110	Advance Commants from SO/ Comments from ICE/ IPs Received	0		25-Sep-14		27-Oct-14A	100%	Advance Commants from SO/ Comments from ICE/ IPs Received
	AP3120	Designer to Prepare RtC & Updated AIP	18	25-Sep-14	18-Oct-14	28-Oct-14A	20-Mar-15	89%	Designer to Prepare RtC & Updated AIP
	AP3130	Submisson of AIP to SO/ ICE together with Reply To Comment (RTC)	0		18-Oct-14		20-Mar-15	0%	Submisson of AIP to SO/ ICE together with Reply To Comment (RTC
	AP3135	Reply to IPs Comments in RTC	0		18-Oct-14		20-Mar-15	0%	Reply to IPs Comments in RTC
	AP3140	ICEApproval & Issue of Design Check Cert.	18	18-Oct-14	08-Nov-14	26-Sep-14A	23-Mar-15	80%	ICE Approval & Issue of Design Check Cert.
	AP3150	Check Cert to SO	0		08-Nov-14		23-Mar-15	0%	Chepk Cert to SO
	AP3170	No Objection or Further Minor Comments from IPs Received	0	10.0.1.11	08-Nov-14	00.14	15-Apr-15	0%	No Objection or Further Minor Comments from IPs Received
	AP3210	SO Review (35 Days)	35	18-Oct-14	22-Nov-14	23-Mar-15	27-Apr-15	0%	SO Review (35 Days)
	AP3220 AP3630	SO Approval with Condition R eceived Preparation of AIP for South C&C Box	0		22-Nov-14	14 log 15	27-Apr-15	0%	SO Approval with Condition Received
	AP3640	Review & Comment by JV	0			14-Jan-15 28-Jan-15	27-Jan-15 10-Feb-15	0%	
	AP3650	Prepare submission to SO	0			11-Feb-15	17-Feb-15	0%	
	AP3660	Formal Submission of AIP to ICE/IPs	0				17-Feb-15	0%	
	AP3670	Advanced Submission of AIP to SO	0				17-Feb-15	0%	
	AP3680	Review & Comment by SO/ ICE/ IPs	0			18-Feb-15	18-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	27-Apr-15	19-May-15	0%	Preparation DDASth Q&C Box and Approach Rat
	DD00470	Review & Comment by JV	18	13-Dec-14	07-Jan-15	19-May-15	10-Jun-15	0%	Revięw & Comment by JV
	DD00480	Designer prepare DDA	10	07-Jan-15	19-Jan-15	10-Jun-15	23-Jun-15	0%	Designer prepare DDA
	DD00490	Formal Submission of DDAto ICE/ IPs	0		19-Jan-15		23-Jun-15	0%	Formal Submission of DDAto ICE/ I
	DD00500	Advanced Submission to SO	0		19-Jan-15		23-Jun-15	0%	Advanced Submission to SO
	DD00510	IPs/ SO's Advance Comments/ ICE Comments	28	19-Jan-15	16-Feb-15	23-Jun-15	21-Jul-15	0%	IPs/ SO's Advance Commen
	DD00520	Comments Received	0		16-Feb-15		21-Jul-15	0%	Comments Received
	DD00530	Designer to Reply RtC + Update Submission	21	16-Feb-15	19-Mar-15	21-Jul-15	14-Aug-15	0%	Designer to Repl
	(F3) AIP T	emp.Support for South.C&C, Portal & ELS							
	DD69590	Prepare AIP South C&C ELS	18	25-Sep-14	18-Oct-14	18-Mar-15	13-Apr-15	0%	Prepare AIP South C&C ELS
	DD69600	Review & Comment by JV	18	18-Oct-14	08-Nov-14	13-Apr-15	05-May-15	0%	Review & Comment by JV
	DD69610	Designer prepare AIP	10	08-Nov-14	20-Nov-14	05-May-15	16-May-15	0%	Designer prepare AIP
	DD69620	Formal Submission of AIP to ICE/ IPs	0		20-Nov-14		16-May-15	0%	Formal Submission of AIP to IÇE/ IPs
	DD69630	Advanced Submission to SO	0		20-Nov-14		16-May-15	0%	Advanced Submission to SO
	DD69640	IPs/SO's Advance Comments/ ICE Comments	28	20-Nov-14	18-Dec-14	16-May-15	13-Jun-15	0%	IPs/ SO's Advance Comments/ ICE Comments
	DD69650	Comments Received	0		18-Dec-14		13-Jun-15	0%	Comments Received
	DD69660	Designer to Reply RtC + Update Submission	21	18-Dec-14	15-Jan-15	13-Jun-15	10-Jul-15	0%	Designer to Reply RtC + Update Subr
	DD69670	Submit Updated AIP to SO/ ICE/ IPs	0	15-Jan-15		10-Jul-15		0%	Submit Updated AIP to SO/ ICE/ IPs
	DD69680	ICEApproval & Issue Check Cert	12	15-Jan-15	29-Jan-15	10-Jul-15	24-Jul-15	0%	ICE Approval & Issue Check Cerl
	DD69690	IPs Review	28	15-Jan-15	12-Feb-15	10-Jul-15	07-Aug-15	0%	
	DD69700	IP's No Objection Received	0		12-Feb-15		07-Aug-15	0%	IPs No Objection Received
Page	16 of 17	Planned Bar							Date Revision Checked Approved
		Planned Por							7. control 1 TMCLK/DBJ/GEN/PR SPa WYu
		→ Planned Milestone	TMCL	K - Northern	Connectior	n Sub-Sea Tu	nnel Sectio	n D	香露嘉 港買嘉 Drogoges Texture Nation
Data I	Date: 17-Nov-			Deta	uled Works	Programme		A member of the Bouyg	HongKong ues Contruction group
		 Progress Milestone 				C		Dragages - Bou	ygues Joint Venture 寶嘉 - 布依格攀登
				Pro	ogress as of	1/-Nov-14			
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Activ	ity ID	Activity Name	Orig Dur	Planned Start	Planned Finish	Current Start	Current Finish	14W47 % Comp		2014			2015
			Dur	Start	FILISI		FILISH	78 Comp		Oct	No	v Dec	
	DD69710	SO's Review	35	15-Jan-15	19-Feb-15	10-Jul-15	14-Aug-15	0%				-	SO's Review
	DD69720	SO Approval with Condition R eceived	0		26-Feb-15		14-Aug-15	0%	 				SO Approval with Condi
. =:	South Vent	ilation Building		,		· · ·							
	 Design Su	Ibmission						_					
	(I1) DDA	for South Vent.Bldg. GBP & Arch.Submission				· · · · · ·				/			
	DD01410	Designer prepare DDA	15	13-Oct-14	29-Oct-14	30-Apr-15	18-May-15	0%		4	Des	igner prepare	e DDA
	DD01415	Formal Submission of DDA to ICE/ IPs	0		29-Oct-14		18-May-15	0%	 	•	For	mal Submiss	sion of DDAto ICE/ IPs
	DD01420	Advanced Submission to SO	0		29-Oct-14		18-May-15	0%			Adv	anced Submi	ssion to SO
	DD01425	IPs/ SO's Advance Comments/ ICE Comments	28	30-Oct-14	26-Nov-14	19-May-15	15-Jun-15	0%		Í		IPs/ SO	's Advance Comment s/ ICE Comments
	DD01430	Comments Received	0		26-Nov-14		15-Jun-15	0%			N	♦ Comme	ents Received
	DD01435	Designer to Reply RtC + Update Submission	21	27-Nov-14	20-Dec-14	16-Jun-15	11-Jul-15	0%					Designer to Reply RtC + Update Submission
	DD01440	Submit Updated DDA to SO/ ICE/ IPs	0	22-Dec-14		13-Jul-15		0%	 			•	Submit Updated DDAto SO/ ICE/ IPs
	DD01445	ICEApproval & Issue Check Cert	18	22-Dec-14	14-Jan-15	13-Jul-15	01-Aug-15	0%					ICE Approval & Issue Check Cert
	DD01450	Submit ICE Check Cert to SO	6	15-Jan-15	21-Jan-15	03-Aug-15	08-Aug-15	0%					Submit ICE Check Cert to SO
	DD01455	IPs Review	28	22-Dec-14	18-Jan-15	13-Jul-15	09-Aug-15	0%					IPs Review
	DD01460	IP's No Objection Received	0		18-Jan-15		09-Aug-15	0%					IP's No Objection Received
	DD01465	SO's Review	35	22-Dec-14	25-Jan-15	13-Jul-15	16-Aug-15	0%	 				SO's Review
	DD01470	SO Approval with Condition R eceived	0		26-Jan-15		17-Aug-15	0%					SO Approval with Condition R ece
	(I2) DDA (for South Vent.Bldg.Structural Design incl.Vent.Con	nections										
	DD67808	Preparation of DDASth VB Structural Design incl. Vent Conn	18	28-Jan-15	17-Feb-15	17-Aug-15	05-Sep-15	0%					Preparation of DDASth V
	DD67818	Review & Comment by JV	18	18-Feb-15	17-Mar-15	07-Sep-15	26-Sep-15	0%					Review & Comm
	South Surf	ace Roadworks, Utility & Drainage works							 				
	 Design Su							_					
		for Sewerage, Drainage, Waterworks & Utility works	for Sout	h I andfall									
	DD05810	Preparation of DDA Sewerage & Drainage works for Sth Landfall	18	08-Nov-14	28-Nov-14	23-Jan-15	12-Feb-15	0%				Prenar	ration of DDASewerage & Drainage works for
	DD05820	Review & Comment by JV	18	29-Nov-14	19-Dec-14	13-Feb-15	12-Mar-15	0%					Review & Comment by JV
	DD05830	Designer prepare DDA	10	20-Dec-14	03-Jan-15	13-Mar-15	24-Mar-15	0%	 			·	Designer prepare DDA
	DD05840	Advanced Submission to SO	0		03-Jan-15		24-Mar-15	0%					Advanced Submission to SO
	DD05850	Formal Submission of DDAto ICE/ IPs	0		03-Jan-15		24-Mar-15	0%					Formal Submission of DDAto ICE/ IPs
	DD05860	IPs/ SO's Advance Comments/ ICE Comments	28	04-Jan-15	31-Jan-15	25-Mar-15	21-Apr-15	0%					IPs/ SO's Advance Comments/
	DD05870	Comments Received	0		31-Jan-15		21-Apr-15	0%					
				00 5-5-45		00.4	•		 				Comments Received
	DD05880	Designer to Reply RtC + Update Submission	21	02-Feb-15	04-Mar-15	22-Apr-15	16-May-15	0%	 1				Designer to Reply Rt

Page 17 of 17	Planned Bar			Date 21-Feb-14	Revision TMCLK/DBJ/GEN/PR	_	Approved W Yu
Project ID: TMCLK_ DWPB 14W45-3 Data Date: 17-Nov-14	 Planned Bar Planned Milestone Progress bar Progress Milestone 	TMCLK - Northern Connection Sub-Sea Tunnel Section Detailed Works Programme Progress as of 17-Nov-14	た た た な な な た の な の な の な の な の な の な の な の な の な の た の な の な の た の れ の れ の た の れ の た の れ の た の れ の た の れ の れ の た の た の れ の た の た の れ の た の た の れ の た の た の た の た の た の た の た の た の た の た の た の た の た か れ た か し た か た か し た か た か し た か た う か た う か た う か た う か た う か た う か た う				

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	Environmental Protection Measures	Location/ Timing	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	Imj	plementa Stages	tion	Status *
	Reference					D	C	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		

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

EIA Reference	EM&A Manual	Environmental Protection Measures I	ocation/ Timing	Implementation Agent	Relevant Standard or Requirement	Imp	lementa Stages	tion	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	✓

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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		✓

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EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Imj	plementa Stages	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	Environmental Protection Measures	Location/ Timing	Implementation Agent	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	-	plementa 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	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Imp	olementa Stages	tion	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	Imp	plementa Stages	tion	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	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Imp	plementa Stages	tion	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 µg/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
Action 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 triggere	d if both NEL and NWL fall below	the criteria.

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

Appendix E

Copies of Calibration Certificates for Air Quality and Water Quality Monitoring

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>

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>

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

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>

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	Resistance Plate dH [green liquid]		Z	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>



Certificate of Calibration 校正證書

Certificate No. : C143205 證書編號

ITEM TESTED / 送檢項目		(Job No. / 序引編號: IC14-1304)	Date of Receipt / 收件日期: 19 May 2014
Description / 儀器名稱	:	Anemometer	
Manufacturer / 製造商	:	Lutron	
Model No. / 型號	:	AM-4201	
Serial No. / 編號	:	AF.27513	
Supplied By / 委託者	:	Envirotech Services Co.	
		Shop 6, G/F., Casio Mansion, 209 Shaukeiwa	an Road,
		Hong Kong	
TEST CONDITIONS /	御料	修供	

TEST CONDITIONS / 測試條件

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

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 26 May 2014

TEST RESULTS / 測試結果

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

The test equipment used for calibration are traceable to National Standards via :

- Testo Industrial Services GmbH, Germany

Tested By 測試

H S Chung Technician

then

H C Chan Engineer

Certified By 核證 Date of Issue 簽發日期

:

27 May 2014

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate s all 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。

Sun Creation Engineering Limited – Calibration & Testing Laboratory : 0 4 F. Tsing Shan Wan Exchange Building, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong 確創工程有限公司 – 校正及檢測實驗所 : 0 香港新界屯門興安里一號背山灣機樓四樓 Tel 電話: 2927 2606 Fax 傳真: 2744 8986 E-mail 電郵: callab@suncreation.com Website/網址: www.suncreation.com



Certificate of Calibration 校正證書

Certificate No. : C143205 證書編號

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

Equipment IDDescriptionCertificate No.CL386Multi-function Measuring InstrumentS12109

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

Air Velocity

Applied	UUT	Measured Correction				
Value	Reading	Value	Value Measurement Uncertainty			
(m/s)	(m/s)	(m/s) Expanded Uncertainty (m/s) Coverage I				
2.1	1.8	+0.3	0.2	2.0		
4.1	4.0	+0.1	0.3	2.0		
6.1	6.1	0.0	0.3	2.0		
8.2	8.4	-0.2	0.3	2.0		
10.1	10.4	-0.3	0.4	2.0		

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

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

Note :

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

Tertest 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

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St Creation Engineering Limited - Calibration & Testing Laborator

e 4 F, Tsing Shan Wan Exchange Building, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong

緯 门工程有限公司 - 校正及檢測實驗所

e 香港新界屯門興安里一號青山灣機樓四樓

項: 2744 8986 E-mail/電即: callab@suncreation.com Website/網址:: www.suncreation.c m

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



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

ORIFICE TRANSFER STANDARD CERTIFICATION WORKSHEET TE-5025A

Date - Ma Operator		A Rootsmeter Orifice I.I		438320 2454	Ta (K) - Pa (mm)	293 - 758.19
PLATE OR Run # 1 2 3 4 5	VOLUME START (m3) NA NA NA NA NA	VOLUME STOP (m3) NA NA NA NA NA	DIFF VOLUME (m3) 1.00 1.00 1.00 1.00 1.00	DIFF TIME (min) 1.4740 1.0340 0.9240 0.8820 0.7270	METER DIFF Hg (mm) 3.2 6.4 7.9 8.8 12.7	ORFICE DIFF H2O (in.) 2.00 4.00 5.00 5.50 8.00

DATA TABULATION

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

CALCULATIONS

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

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

For subsequent flow rate calculations:

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



-	Performance Check of Turbidity Meter							
Equ	ipment Ref. No.	: <u>ET/0505/010</u>	Manu	ıfacturer	: <u>HACH</u>			
Model No. : <u>2100Q</u> Serial No. : <u>11110 C (</u>								
Date of Calibration : <u>06/10/2014</u> Due Date : <u>05/01/2015</u>								
Ref. No. of Turbidity Standard used (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			
Acc	eptance Criteria	Diffe	rence : -5 % to 5 %	6				
	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	pared by :	WV	Checked	by :	1 A e 6-			



Internal Calibration & F	Performance Check	of pH Meter
Equipment Ref. No. : <u>ET/EW/007/004</u>	Manufacturer	: HANNA
Model No. : HI 8314	Serial No.	: 8263193
Date of Calibration : 07/10/2014	Calibration Due Date	: 06/11/2014
Liquid Junction Error		
Primary Standard Solution Used : Phosphate	Ref No. of	Primary Solution: 003/5.2/001/19
Temperature of Solution : 20.0		∆pH ½ = +0.08
pH value of diluted buffer : <u>6.79</u>	2011-11-11-11-11-11-11-11-11-11-11-11-11-	pH (S) = <u>6.881</u>
$\Delta pH = pH(S) - pH of diluted buffer = 0.09$	(Observed Deviation	on)
Liquid Junction Error (ΔpH_j) = $\Delta pH - \Delta pH_{\frac{1}{2}} = 0.01$	1	
Shift on Stirring		
pH of buffer solution (with stirring), pH_s =	6.90	
Shift on stirring, $\Delta pH_s = pH_s - pH(S) - \Delta pH_i =$	0.008	-
	0.000	•
Noise		
Noise, ΔpH_n = difference between max and min rea	ading : 0.01	
Verification of ATC		
Ref. No. of reference thermometer used:	ET/0521/008	3
Temperature record from the reference thermometer	• () () () () () () () () () () () () ()	°C
Temperature record from the ATC (T _{ATC}):	19.8	°C
Temperature Difference, T _R - T _{ATC}	0.1	°C
Acceptance Criteria		
Performance Characteristic Liquid Junction Error ∆pHj		able Range ≤0.05
Shift on Stirring ΔpHs		≤0.02
Noise ∆pHn	5	≤0.02
Verifcation of ATC Temperature	Difference ≤	0.5°C
The pH meter complies * / does not comply * w unacceptable * for use. Measurements are traceat * Delete as appropriate		nts and is deemed acceptable * /
		10/0 /-
Calibrated by :V	_ Checked by	: <u>WR Qr</u>
CPE/015/W		



Interna	al Calibration &	Performance (Check of pH	Meter
Equipment Ref. No. : E	ET/EW/007/005	Manufacturer	: HAN	NA
Model No. : H	H 8314	Serial No.	: 8246	095
Date of Calibration : 0	07/11/2014	Calibration Due [Date : 06/12	2/2014
Liquid Junction Error				
Primary Standard Solution	Used : Phosphat	e R	ef No. of Primary	Solution: 003/5.2/001
Temperature of Solution :				∆pH ½ = +0.08
pH value of diluted buffer	************			oH (S) = 6.881
$\Delta pH = pH(S) - pH of dilute$		/Ohaan/06		0.001
Liquid Junction Error (ΔpH		·····	I Deviation)	
Shift on Stirring	J/ 1 / 72		*********	······································
-				
pH of buffer solution (with	stirring), pH _s =	6.90		
Shift on stirring, $\Delta pH_s = pH$	_s - pH(S) - ∆pH _j =	0.008		
Noise	· · · · · · · · · · · · · · · · · · ·			
Noise, ∆pH _n = difference b	etween max and min	eading : 0.00		
· · · · · · · · · · · · · · · · · · ·				
Verification of ATC				
Ref. No. of reference thern	nometer used:	ET/0	521/008	
Temperature record from t	he reference thermom	eter (T _R): 19.4		°C
Temperature record from t	he ATC (T _{ATC}):	19.3		°c
Temperature Difference,	T _R - T _{ATC}	0.1		°C
Acceptance Criteria				
Perform	ance Characteristic		Acceptable Rang	ge
			10.05	
Liquid Junction Error	∆pHj		≤0.05	
	∆pHj ∆pHs		≤0.05 ≤0.02	
Shift on Stirring Noise			≤0.02 ≤0.02	
Shift on Stirring Noise	∆pHs ∆pHn	e Difference	≤0.02	
Liquid Junction Error Shift on Stirring Noise Verifcation of ATC The pH meter complies * unacceptable * for use. Me * Delete as appropriate	∆pHs ∆pHn Temperatui / does not comply *	with the specified rea	≤0.02 ≤0.02 ≤0.5°C	deemed acceptable
Shift on Stirring Noise Verifcation of ATC The pH meter complies *	∆pHs ∆pHn Temperatui / does not comply *	with the specified rea	≤0.02 ≤0.02 ≤0.5°C	deemed acceptable
Shift on Stirring Noise Verifcation of ATC The pH meter complies * unacceptable * for use. Me	∆pHs ∆pHn Temperatui / does not comply *	with the specified rea able to national standa	≤0.02 ≤0.02 ≤0.5°C	s deemed acceptable



quipment Ref. No.	: <u>ET/E</u> W	//008/00	5		Manufacture	er	: <u>YSI</u>	
lodel No.	: Pro 203	30			Serial No.		: <u>12A 1005</u>	54
ate of Calibration	: 17/09/2	2014			Calibration I	Due Date	: 16/12/201	4
Temperature Verifi	cation							
Ref. No. of Referen	ce Thermome	eter :	ET/0521	/008				
Ref. No. of Water B	ath :							
					Temp	erature (°C)		
	hermometer r	eading	Measure	ed	20.6	Corrected		20.0
DO M	1eter reading		Measure	ed	19.8	Difference		0.2
Standardization of s	sodium thiosi	ulphate ($Na_2S_2O_3)$ s	olution				
Reagent No. of Na ₂ S	S_2O_3 titrant		CPE/012/4.5/0	001/8 Reag	ent No. of 0.02	25N K ₂ Cr ₂ O ₇	CPE/012/-	4.4/001/27
-					Trial	1	Tria	ıl 2
Initial Vol. of Na ₂ S ₂					0.00		10.40	
Final Vol. of Na_2S_2					10.40		20.80	
Vol. of $Na_2S_2O_3$ use					10.40	10.40		
Normality of Na ₂ S ₂ C					0.0240	0.02404		
Average Normality		D_3 solution	on (N)		0.02404			
Acceptance criteria,						Less than <u>+</u>	0.001N	
Calculation:	Normality c	of Na_2S_2C	$D_3, N = 0.25 / 1$	nl Na $_2$ S $_2$ O $_3$ use	d 			
Lineality Checking								
Determination of di	ssolved oxyg	en conte	nt by Winkler	Titration *				
Purging Time (min)				2	5		10	
Trial			1	2	1	2	1	2
Initial Vol. of Na_2S_2			0.00	11.90	23.60	0.00	6.60	10.10
Final Vol. of Na ₂ S ₂ C			11.90	23.60	30.20	6.60	10.10	13.60
	used (ml)		11.90	11.70	6.60	6.60	3.50	3.50
Vol. (V) of $Na_2S_2O_3$	Dissolved Oxygen (DO), mg/L 7.68		7.55	4.26	4.26	2.26	2.26	
Vol. (V) of Na ₂ S ₂ O ₃ Dissolved Oxygen (I			Acceptance criteria, Deviation Less than + 0.3m			101 /1	Less than -	- 0.3mg/L
Vol. (V) of Na ₂ S ₂ O ₃ Dissolved Oxygen (I Acceptance criteria,	Deviation		Less thar		Less than	+ 0.3mg/L		
Vol. (V) of $Na_2S_2O_3$ Dissolved Oxygen (1		$= \mathbf{V} \times \mathbf{N}$	Less thar		Less than	+ 0.3mg/L		
Vol. (V) of Na ₂ S ₂ O ₃ Dissolved Oxygen (I Acceptance criteria, Calculation:	Deviation DO (mg/L)		Less thar	1 + 0.3mg/L	Less than		Difference	(%) of DO
Vol. (V) of Na ₂ S ₂ O ₃ Dissolved Oxygen (I Acceptance criteria,	Deviation DO (mg/L)		Less thar x 8000/298	h + 0.3mg/L Winkle			Difference	
Vol. (V) of Na ₂ S ₂ O ₃ Dissolved Oxygen (I Acceptance criteria, Calculation:	Deviation DO (mg/L)	neter rea	Less thar x 8000/298 ding, mg/L Averag	h + 0.3mg/L Winkle	r Titration resu	ılt *, mg/L		tent
Vol. (V) of Na ₂ S ₂ O ₃ Dissolved Oxygen (I Acceptance criteria, Calculation: Purging time, min	Deviation DO (mg/L) DO r	neter rea 2	Less thar x 8000/298 ding, mg/L Averaş 7.69	1 + 0.3mg/L Winkle ge 1 7.68	r Titration resu	ilt *, mg/L Average	Cont	tent 1
Vol. (V) of Na ₂ S ₂ O ₃ Dissolved Oxygen (I Acceptance criteria, Calculation: Purging time, min 2	Deviation DO (mg/L) DO r 1 7.71	neter rea 2 7.67	Less thar x 8000/298 ding, mg/L Averag 7.69 4.19	1 + 0.3mg/L Winkle ge 1 7.68	r Titration resu 2 7.55	ilt *, mg/L Average 7.62	Cont 0.9	tent 1 6



Zero Point Checkin	g								
	DO meter re	ading, mg	g/L			0.00			
Salinity Checking									
Reagent No. of NaC	l (10ppt)		CPE/012/4.7/002/2	5 Reag	ent No. of Na	Cl (30ppt)	CPE/0)12/4.8/002/25	
Determination of di				<u>-</u>		<u></u>	1		
Salinity (ppt)					****	1	2	<u>Λ</u>	
Trial			1	10	2	1	3	2	
Initial Vol. of Na_2S_2	O ₃ (ml)		0.00		12.20	24.50		35.40	
Final Vol. of Na_2S_2C			12.20		24.50	35.40		46.30	
Vol. (V) of $Na_2S_2O_3$			12.20		12.30	10.90		10.90	
Dissolved Oxygen (I	DO), mg/L		7.87		7.94	7.03		7.03	
Acceptance criteria,	Deviation			nan + 0.3mg			s than -	+ 0.3mg/L	
Calculation:	DO (mg/L)	$= \mathbf{V} \times \mathbf{N}$	k 8000/298						
Calinity (mat)	DO 1	neter read	uding, mg/L Winkler Titration result*			ılt**, mg/L	Diff	erence (%) of DO	
Salinity (ppt)	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 (%) of	coefficient : 0mg/L f DO content	>0.99 from the	meter reading and	by winkler	titration : with	nin ± 5%		er : < 0.5 °C	
· · · · · · · · · · · · · · · · · · ·		not comm	$v^{\#}$ with the specif	ied requirer	nents and is d	eemed accepta	ble [#]		

5 5 7



Performance Check of Salinity Meter								
Equipment Ref. No. : <u>ET/EV</u>	V/008/006	Manufacturer : <u>YSI</u>						
Model No. : Pro 2030 Serial No. : 12A 100554								
Date of Calibration : $17/09/2014$ Due Date : $16/12/2014$								
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 %						
6 X	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 :						

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 - November 2014

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

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						01-No
02-Nov	03-Nov	04-Nov	05-Nov	06-Nov	07-Nov	
-hour TSP - 3 times 4-hour TSP - 1 time			1-hour TSP - 3 times 24-hour TSP - 1 time			1-hour TSP - 3 times 24-hour TSP - 1 time
mpact AQM			Impact AQM			Impact AQM
09-Nov	10-Nov		12-Nov		14-Nov	
		1-hour TSP - 3 times 24-hour TSP - 1 time			1-hour TSP - 3 times 24-hour TSP - 1 time	
		Impact AQM			Impact AQM	
16-Nov	17-Nov		19-Nov	20-Nov	21-Nov	22-Nc
	1-hour TSP - 3 times 24-hour TSP - 1 time			1-hour TSP - 3 times 24-hour TSP - 1 time		
	Impact AQM			Impact AQM		
23-Nov	24-Nov	25-Nov	26-Nov	27-Nov	28-Nov	
-hour TSP - 3 times 4-hour TSP - 1 time			1-hour TSP - 3 times 24-hour TSP - 1 time			1-hour TSP - 3 times 24-hour TSP - 1 time
mpact AQM			Impact AQM			Impact AQM
30-Nov						

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 - 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	
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
21 000		1-hour TSP - 3 times	24 000		1-hour TSP - 3 times	
		24-hour TSP - 1 time			24-hour TSP - 1 time	
		Impact AQM			Impact AQM	
28-Dec	29-Dec		31-Dec			
	1-hour TSP - 3 times		51 200			
	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 Impact Marine Water Quality Monitoring (WQM) Schedule (November 14)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						01-Nov
02-Nov	03-Nov	04-Nov	05-Nov	06-Nov	07-Nov	08-Nov
	WQM		WQM		WQM	
	Mid-Ebb		Mid-Ebb		Mid-Ebb	
	9:41		11:29		13:00	
	(07:56 - 11:26)		(09:44 - 13:14)		(11:15 - 14:45)	
	Mid-Flood		Mid-Flood		Mid-Flood	
	16:28		17:36		18:41	
	(14:43 - 18:13)		(15:51 - 19:21)		(16:56 - 20:26)	
09-Nov	10-Nov					15-Nov
	WQM Mid-Flood		WQM Mid-Flood		WQM Mid-Ebb	
	9:45		11:22		5:19	
	(08:00 - 11:30)		(09:37 - 13:07)		(03:34 - 07:04)	
	Mid-Ebb		Mid-Ebb		Mid-Flood	
	15:04		16:25		17:41	
	(13:19 - 16:49)		(14:45 - 18:05)		(15:56 - 19:26)	
16-Nov	17-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov
	WQM		WQM		WQM	
	Mid-Ebb		Mid-Ebb		Mid-Ebb	
	8:45		10:43		12:06	
	(07:00 - 10:30)		(08:58 - 12:28)		(10:21 - 13:51)	
	Mid-Flood		Mid-Flood		Mid-Flood	
	15:45		16:43		17:42	
23-Nov	(14:00 - 17:30) 24-Nov	25-Nov	(14:58 - 18:28) 26-Nov		(15:57 - 19:27) 28-Nov	29-Nov
23-INOV	WQM		WQM	27-1000	WQM	29-1100
	Mid-Flood		Mid-Flood		Mid-Flood	
	8:40		10:19		12:11	
	(06:55 - 10:25)		(08:34 - 12:04)		(10:26 - 13:56)	
	Mid-Ebb		Mid-Ebb		Mid-Ebb	
	14:10		15:44		17:41	
	(12:25 - 15:55)		(13:59 - 17:29)		(15:56 - 19:26)	

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

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	01-[04-Dec	05-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				11-Dec	12-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-[18-Dec	19-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-[25-Dec	26-Dec	27-Dec
	WQM		WQM		WQM	
	Mid-Ebb		Mid-Flood		Mid-Flood	
	13:13		9:18		10:48	
	(11:28 - 14:58)		(07:33 - 11:03)		(09:03 - 12:33)	
	Mid-Flood		Mid-Ebb		Mid-Ebb	
	18:27		14:43		16:22	
	(16:42 - 20:12)		(12:58 - 16:28)		(14:37 - 18:07)	
28-Dec	29-[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)			

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

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

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.

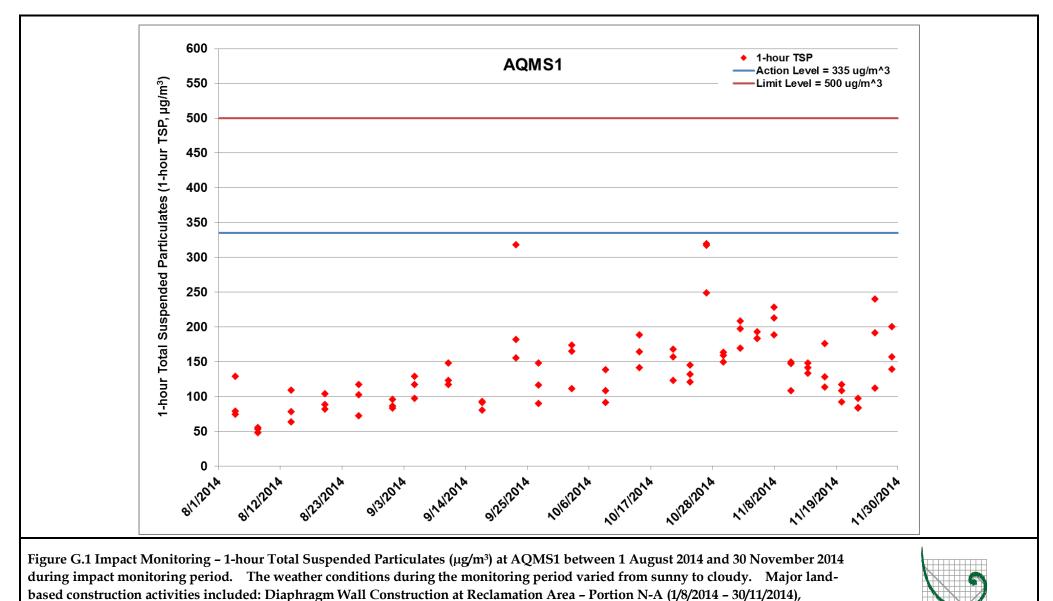
HY/2012/08 - Tuen Mun - Chek Lap Kok Link Northern Connection Sub-sea Tunnel Section Tentative Impact Dolphin Monitoring Survey Monitoring Schedule - December 2014

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	01-Dec		03-Dec	04-Dec	05-Dec	06-Dec
		Impact Dolphin Monitoring				
07-Dec	08-Dec		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		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.

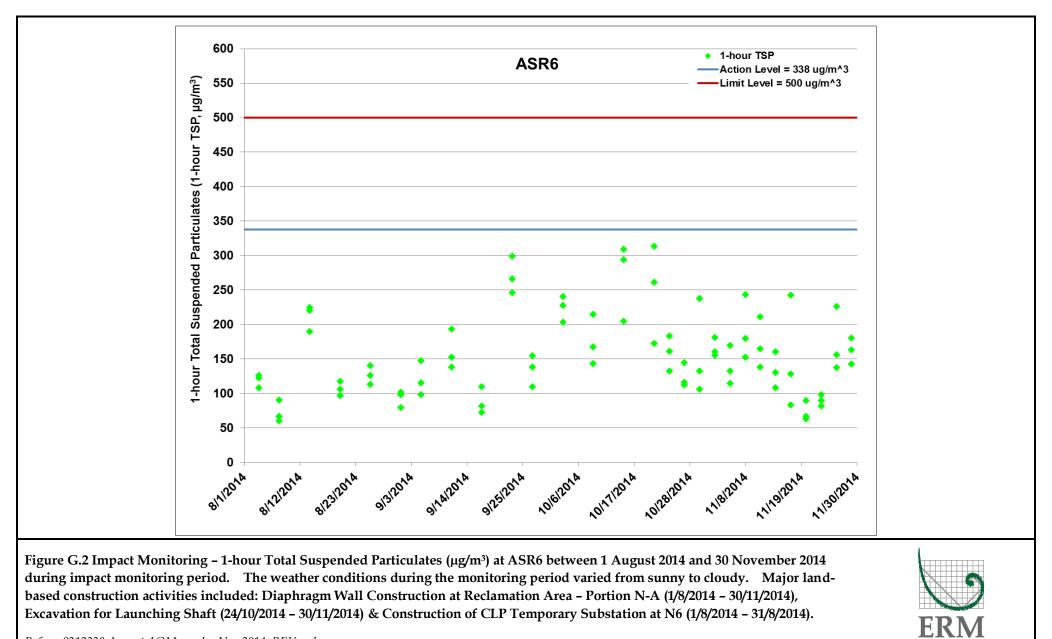
Appendix G

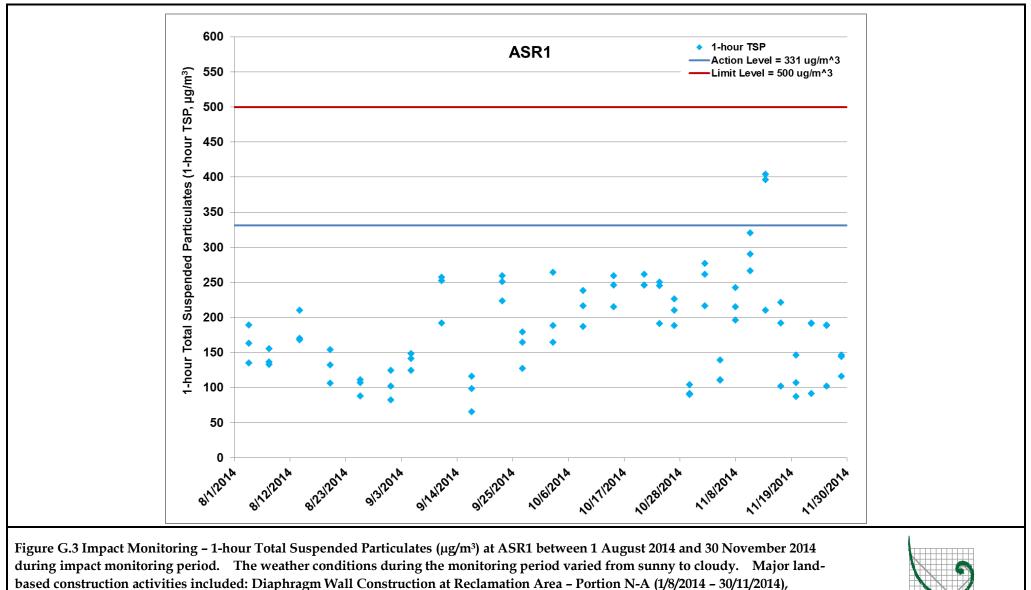
Impact Air Quality Monitoring Results



ERN

Excavation for Launching Shaft (24/10/2014 – 30/11/2014) & Construction of CLP Temporary Substation at N6 (1/8/2014 – 31/8/2014).

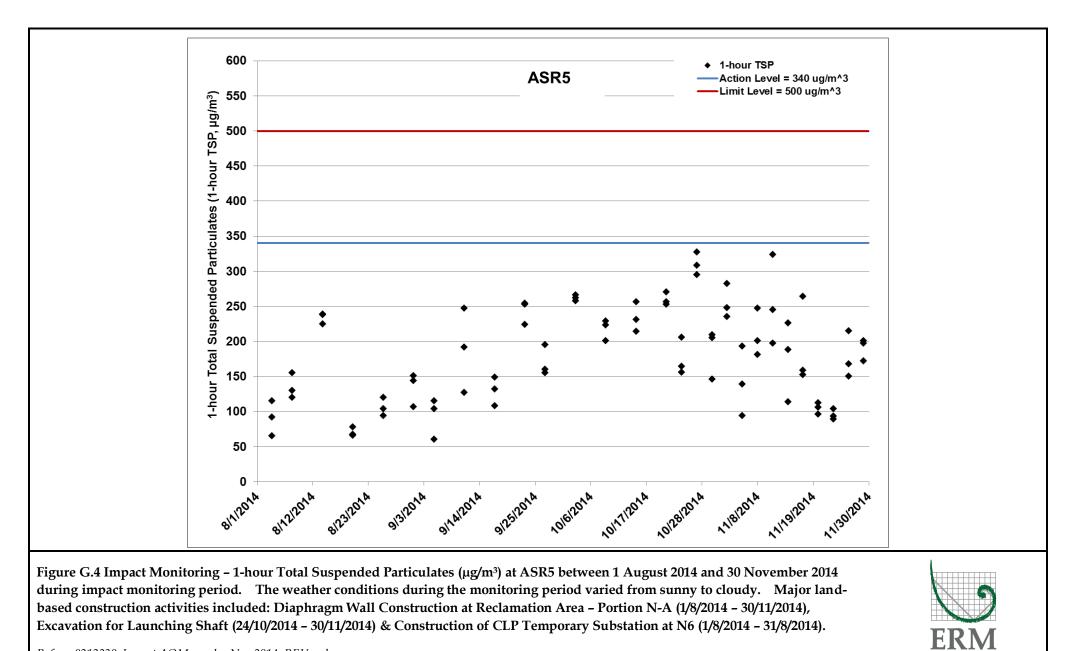


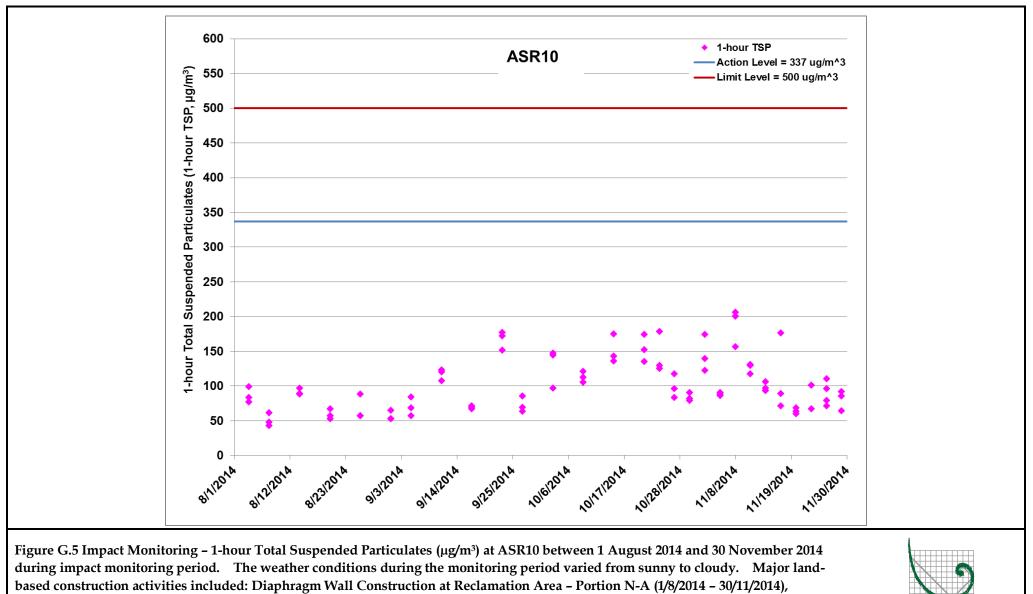


Excavation for Launching Shaft (24/10/2014 - 30/11/2014) & Construction of CLP Temporary Substation at N6 (1/8/2014 - 31/8/2014).



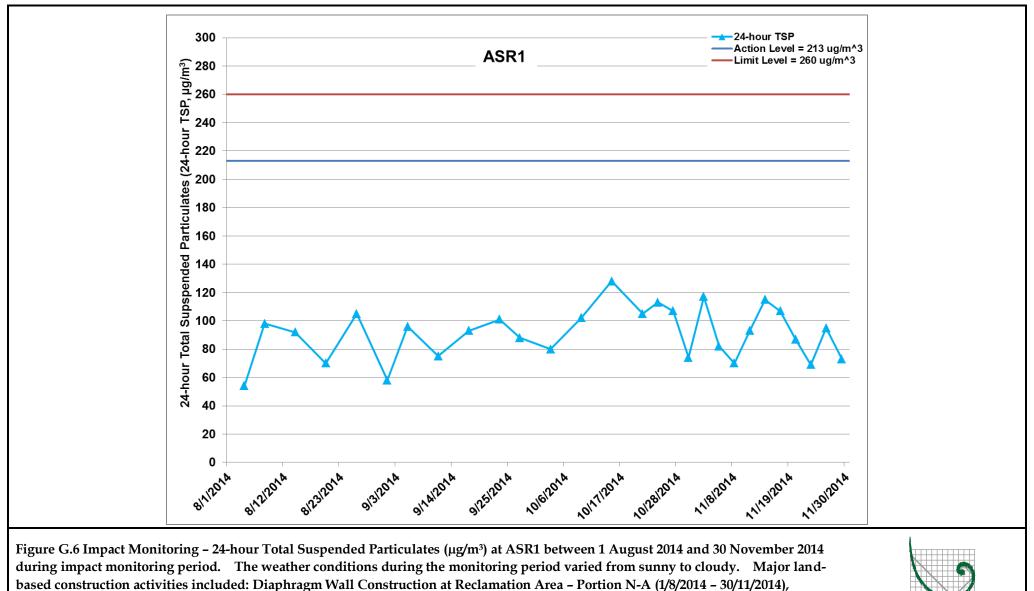
0212330_Impact AQM graphs_Nov 2014_REV a.xlsx Ref:





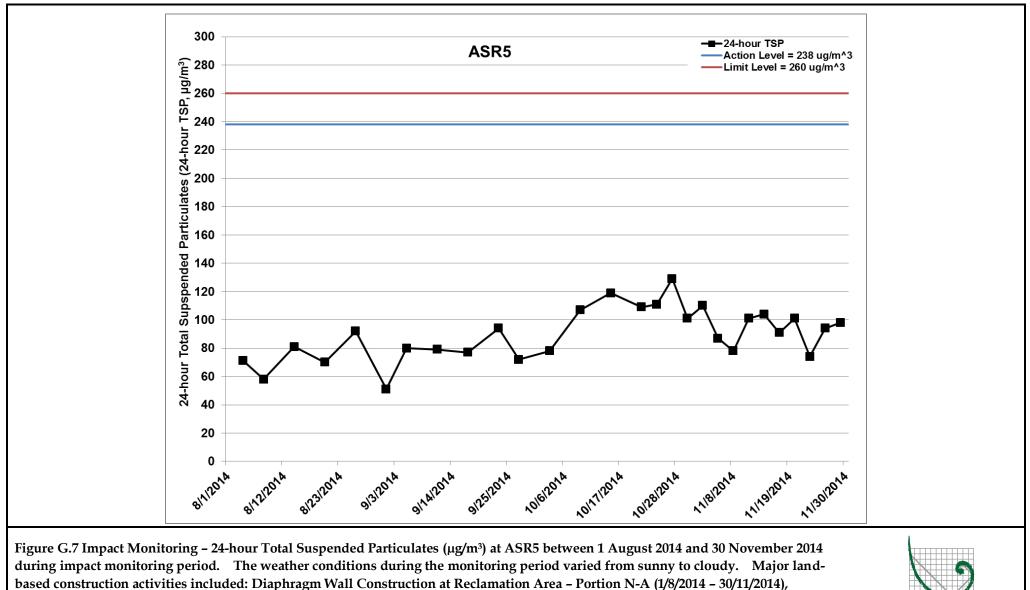
ERM

Excavation for Launching Shaft (24/10/2014 - 30/11/2014) & Construction of CLP Temporary Substation at N6 (1/8/2014 - 31/8/2014).



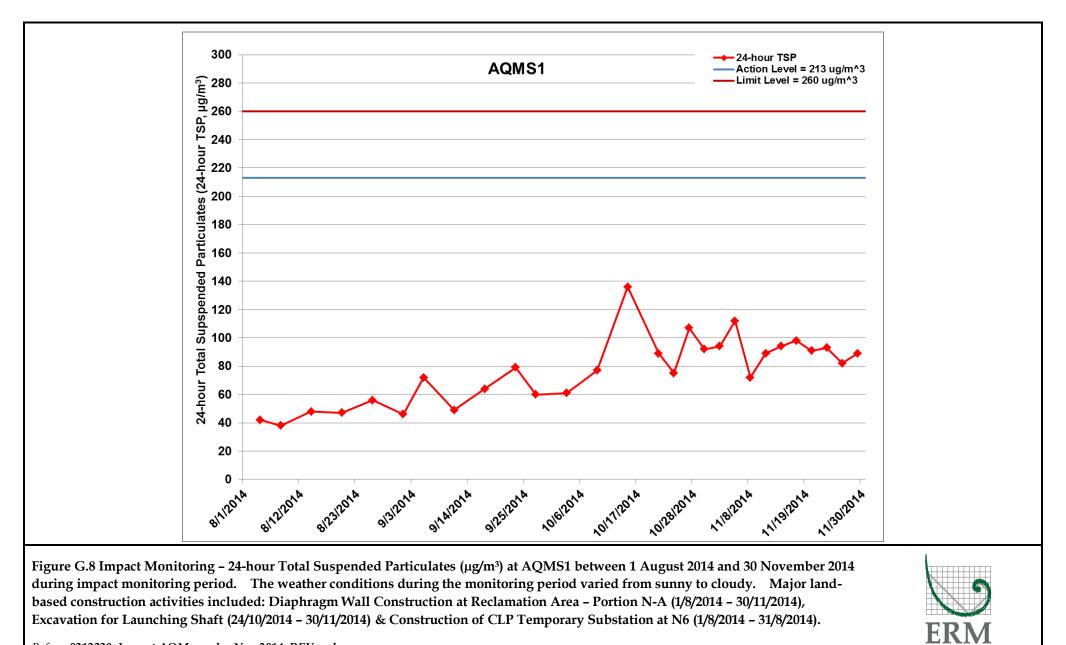
ERM

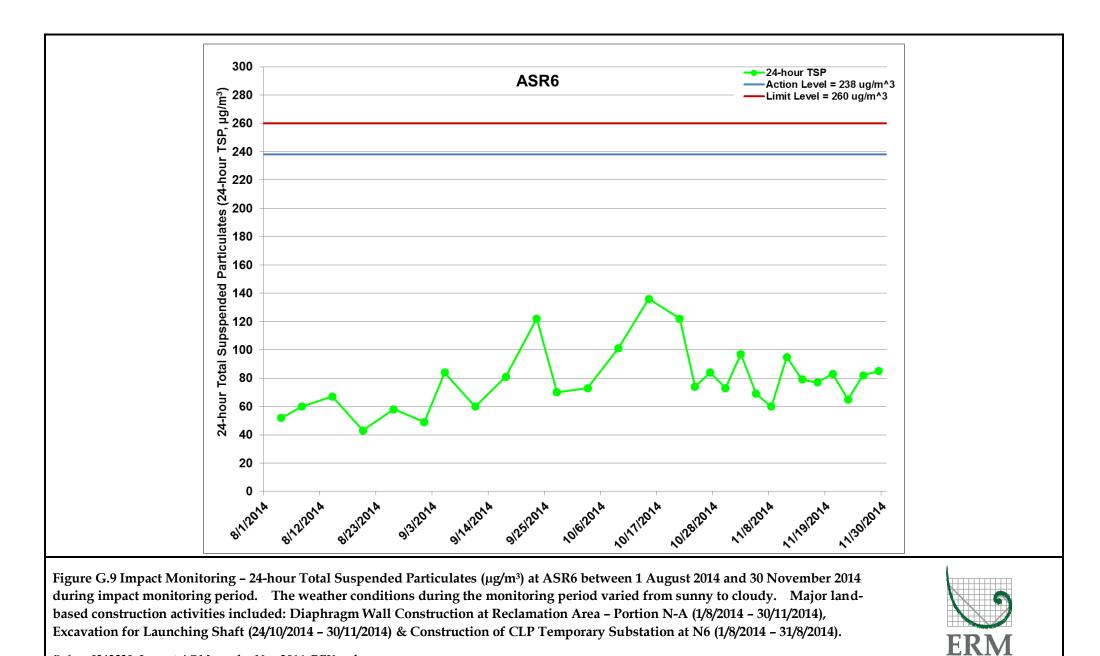
Excavation for Launching Shaft (24/10/2014 – 30/11/2014) & Construction of CLP Temporary Substation at N6 (1/8/2014 – 31/8/2014).

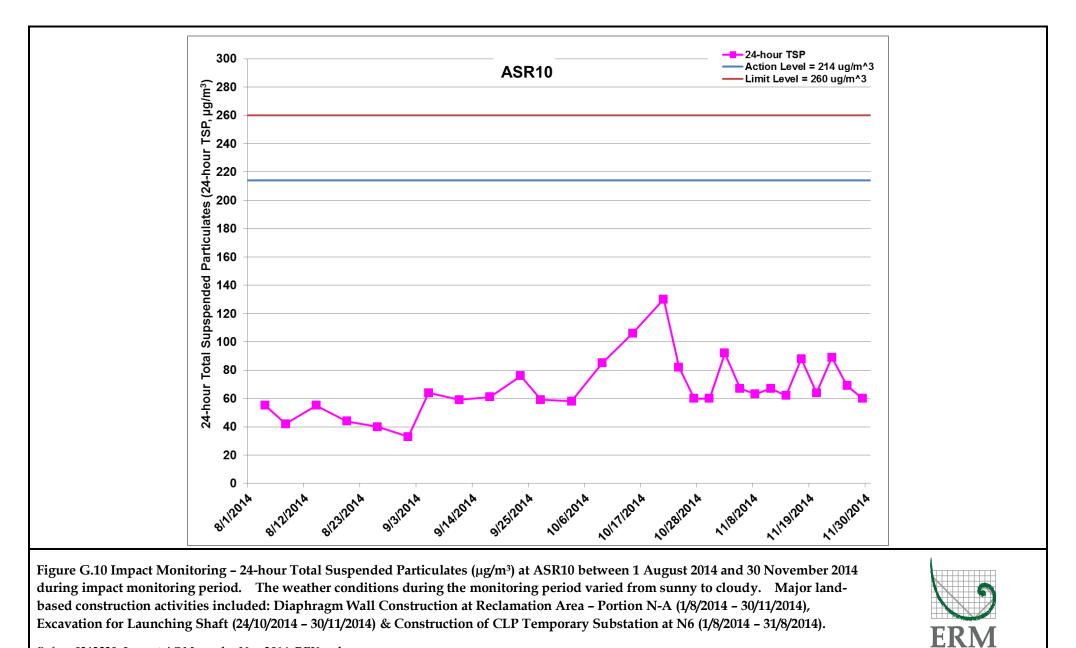


Excavation for Launching Shaft (24/10/2014 - 30/11/2014) & Construction of CLP Temporary Substation at N6 (1/8/2014 - 31/8/2014).









Project	Works	Date	Station	Weather	Start time	Parameters	Results	units
TMCLKL	HY/2012/08	2014-11-02	AQMS1	Cloudy	08:44	1-hour TSP	208	ug/m3
TMCLKL	HY/2012/08	2014-11-02	AQMS1	Cloudy	09:46	1-hour TSP	169	ug/m3
TMCLKL	HY/2012/08	2014-11-02	AQMS1	Cloudy	10:48	1-hour TSP	197	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR1	Cloudy	08:33	1-hour TSP	216	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR1	Cloudy	09:35	1-hour TSP	261	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR1	Cloudy	10:37	1-hour TSP	277	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR5	Cloudy	08:22	1-hour TSP	282	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR5	Cloudy	09:24	1-hour TSP	248	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR5	Cloudy	10:26	1-hour TSP	235	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR6	Cloudy	08:10	1-hour TSP	155	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR6	Cloudy	09:12	1-hour TSP	160	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR6	Cloudy	10:14	1-hour TSP	181	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR10	Cloudy	08:00	1-hour TSP	139	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR10	Cloudy	09:02	1-hour TSP	122	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR10	Cloudy	10:04	1-hour TSP	174	ug/m3
TMCLKL	HY/2012/08	2014-11-05	AQMS1	Cloudy	13:58	1-hour TSP	183	ug/m3
TMCLKL	HY/2012/08	2014-11-05	AQMS1	Cloudy	15:00	1-hour TSP	193	ug/m3
TMCLKL	HY/2012/08	2014-11-05	AQMS1	Cloudy	16:02	1-hour TSP	183	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR1	Cloudy	13:46	1-hour TSP	111	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR1	Cloudy	14:48	1-hour TSP	139	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR1	Cloudy	15:50	1-hour TSP	110	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR5	Cloudy	13:35	1-hour TSP	193	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR5	Cloudy	14:37	1-hour TSP	139	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR5	Cloudy	15:39	1-hour TSP	94	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR6	Cloudy	13:24	1-hour TSP	169	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR6	Cloudy	14:26	1-hour TSP	114	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR6	Cloudy	15:28	1-hour TSP	132	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR10	Cloudy	13:13	1-hour TSP	88	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR10	Cloudy	14:15	1-hour TSP	86	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR10	Cloudy	15:17	1-hour TSP	90	ug/m3

Project	Works	Date	Station	Weather	Start time	Parameters	Results	units
TMCLKL	HY/2012/08	2014-11-08	AQMS1	Rainy	14:37	1-hour TSP	188	ug/m3
TMCLKL	HY/2012/08	2014-11-08	AQMS1	Rainy	15:39	1-hour TSP	213	ug/m3
TMCLKL	HY/2012/08	2014-11-08	AQMS1	Rainy	16:41	1-hour TSP	228	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR1	Rainy	14:26	1-hour TSP	196	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR1	Rainy	15:28	1-hour TSP	215	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR1	Rainy	16:30	1-hour TSP	242	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR5	Rainy	14:14	1-hour TSP	201	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR5	Rainy	15:16	1-hour TSP	247	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR5	Rainy	16:18	1-hour TSP	181	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR6	Rainy	14:03	1-hour TSP	179	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR6	Rainy	15:05	1-hour TSP	243	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR6	Rainy	16:07	1-hour TSP	152	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR10	Rainy	13:52	1-hour TSP	156	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR10	Rainy	14:54	1-hour TSP	206	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR10	Rainy	15:56	1-hour TSP	200	ug/m3
TMCLKL	HY/2012/08	2014-11-11	AQMS1	Sunny	13:53	1-hour TSP	108	ug/m3
TMCLKL	HY/2012/08	2014-11-11	AQMS1	Sunny	14:55	1-hour TSP	147	ug/m3
TMCLKL	HY/2012/08	2014-11-11	AQMS1	Sunny	15:57	1-hour TSP	149	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR1	Sunny	13:42	1-hour TSP	290	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR1	Sunny	14:44	1-hour TSP	266	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR1	Sunny	15:46	1-hour TSP	320	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR5	Sunny	13:30	1-hour TSP	324	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR5	Sunny	14:32	1-hour TSP	245	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR5	Sunny	15:34	1-hour TSP	197	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR6	Sunny	13:19	1-hour TSP	211	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR6	Sunny	14:21	1-hour TSP	164	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR6	Sunny	15:23	1-hour TSP	138	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR10	Sunny	13:08	1-hour TSP	131	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR10	Sunny	14:10	1-hour TSP	129	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR10	Sunny	15:12	1-hour TSP	117	ug/m3

Project	Works	Date	Station	Weather	Start time	Parameters	Results	units
TMCLKL	HY/2012/08	2014-11-14	ASR10	Sunny	08:40	1-hour TSP	93	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR10	Sunny	09:42	1-hour TSP	97	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR10	Sunny	10:44	1-hour TSP	106	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR6	Sunny	08:52	1-hour TSP	130	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR6	Sunny	09:54	1-hour TSP	108	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR6	Sunny	10:56	1-hour TSP	160	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR5	Sunny	09:03	1-hour TSP	188	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR5	Sunny	10:05	1-hour TSP	226	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR5	Sunny	11:07	1-hour TSP	114	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR1	Sunny	09:15	1-hour TSP	404	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR1	Sunny	10:17	1-hour TSP	396	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR1	Sunny	11:19	1-hour TSP	210	ug/m3
TMCLKL	HY/2012/08	2014-11-14	AQMS1	Sunny	09:27	1-hour TSP	133	ug/m3
TMCLKL	HY/2012/08	2014-11-14	AQMS1	Sunny	10:29	1-hour TSP	148	ug/m3
TMCLKL	HY/2012/08	2014-11-14	AQMS1	Sunny	11:31	1-hour TSP	141	ug/m3
TMCLKL	HY/2012/08	2014-11-17	AQMS1	Sunny	14:06	1-hour TSP	176	ug/m3
TMCLKL	HY/2012/08	2014-11-17	AQMS1	Sunny	16:08	1-hour TSP	113	ug/m3
TMCLKL	HY/2012/08	2014-11-17	AQMS1	Sunny	16:10	1-hour TSP	128	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR1	Sunny	13:55	1-hour TSP	221	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR1	Sunny	14:57	1-hour TSP	192	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR1	Sunny	15:59	1-hour TSP	102	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR5	Sunny	13:44	1-hour TSP	264	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR5	Sunny	14:46	1-hour TSP	159	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR5	Sunny	15:48	1-hour TSP	152	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR6	Sunny	13:33	1-hour TSP	242	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR6	Sunny	14:35	1-hour TSP	128	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR6	Sunny	15:37	1-hour TSP	83	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR10	Sunny	13:22	1-hour TSP	176	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR10	Sunny	14:24	1-hour TSP	89	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR10	Sunny	15:26	1-hour TSP	71	ug/m3

Project	Works	Date	Station	Weather	Start time	Parameters	Results	units
TMCLKL	HY/2012/08	2014-11-20	ASR10	Sunny	07:40	1-hour TSP	63	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR10	Sunny	08:42	1-hour TSP	60	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR10	Sunny	09:44	1-hour TSP	68	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR6	Sunny	07:50	1-hour TSP	66	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR6	Sunny	08:52	1-hour TSP	63	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR6	Sunny	09:54	1-hour TSP	89	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR5	Sunny	08:02	1-hour TSP	106	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR5	Sunny	09:04	1-hour TSP	112	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR5	Sunny	10:06	1-hour TSP	96	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR1	Sunny	08:13	1-hour TSP	107	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR1	Sunny	09:15	1-hour TSP	87	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR1	Sunny	10:17	1-hour TSP	146	ug/m3
TMCLKL	HY/2012/08	2014-11-20	AQMS1	Sunny	08:24	1-hour TSP	108	ug/m3
TMCLKL	HY/2012/08	2014-11-20	AQMS1	Sunny	09:26	1-hour TSP	117	ug/m3
TMCLKL	HY/2012/08	2014-11-20	AQMS1	Sunny	10:28	1-hour TSP	92	ug/m3
TMCLKL	HY/2012/08	2014-11-23	AQMS1	Sunny	09:32	1-hour TSP	97	ug/m3
TMCLKL	HY/2012/08	2014-11-23	AQMS1	Sunny	10:34	1-hour TSP	84	ug/m3
TMCLKL	HY/2012/08	2014-11-23	AQMS1	Sunny	11:36	1-hour TSP	83	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR1	Sunny	09:20	1-hour TSP	191	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR1	Sunny	10:22	1-hour TSP	192	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR1	Sunny	11:24	1-hour TSP	91	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR5	Sunny	09:08	1-hour TSP	104	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR5	Sunny	10:10	1-hour TSP	93	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR5	Sunny	11:12	1-hour TSP	89	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR6	Sunny	08:57	1-hour TSP	98	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR6	Sunny	09:59	1-hour TSP	89	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR6	Sunny	11:01	1-hour TSP	81	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR10	Sunny	08:45	1-hour TSP	101	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR10	Sunny	09:47	1-hour TSP	67	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR10	Sunny	10:49	1-hour TSP	71	ug/m3

Project	Works	Date	Station	Weather	Start time	Parameters	Results	units
TMCLKL	HY/2012/08	2014-11-26	ASR10	Cloudy	13:03	1-hour TSP	96	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR10	Cloudy	14:05	1-hour TSP	79	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR10	Cloudy	15:07	1-hour TSP	110	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR6	Cloudy	13:14	1-hour TSP	226	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR6	Cloudy	14:16	1-hour TSP	137	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR6	Cloudy	15:18	1-hour TSP	156	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR5	Cloudy	13:25	1-hour TSP	150	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR5	Cloudy	14:27	1-hour TSP	168	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR5	Cloudy	15:29	1-hour TSP	215	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR1	Cloudy	13:37	1-hour TSP	102	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR1	Cloudy	14:39	1-hour TSP	189	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR1	Cloudy	15:41	1-hour TSP	188	ug/m3
TMCLKL	HY/2012/08	2014-11-26	AQMS1	Cloudy	13:48	1-hour TSP	112	ug/m3
TMCLKL	HY/2012/08	2014-11-26	AQMS1	Cloudy	14:50	1-hour TSP	191	ug/m3
TMCLKL	HY/2012/08	2014-11-26	AQMS1	Cloudy	15:52	1-hour TSP	240	ug/m3
TMCLKL	HY/2012/08	2014-11-02	AQMS1	Cloudy	11:50	24-hour TSP	94	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR1	Cloudy	11:39	24-hour TSP	117	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR5	Cloudy	11:28	24-hour TSP	110	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR6	Cloudy	11:16	24-hour TSP	97	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR10	Cloudy	11:06	24-hour TSP	92	ug/m3
TMCLKL	HY/2012/08	2014-11-05	AQMS1	Cloudy	17:04	24-hour TSP	112	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR1	Cloudy	16:52	24-hour TSP	82	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR5	Cloudy	16:41	24-hour TSP	87	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR6	Cloudy	16:30	24-hour TSP	69	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR10	Cloudy	16:19	24-hour TSP	67	ug/m3
TMCLKL	HY/2012/08	2014-11-08	AQMS1	Rainy	17:43	24-hour TSP	72	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR1	Rainy	17:32	24-hour TSP	70	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR5	Rainy	17:20	24-hour TSP	78	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR6	Rainy	17:09	24-hour TSP	60	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR10	Rainy	16:58	24-hour TSP	63	ug/m3

Project	Works	Date	Station	Weather	Start time	Parameters	Results	units
TMCLKL	HY/2012/08	2014-11-11	AQMS1	Sunny	16:59	24-hour TSP	89	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR1	Sunny	16:48	24-hour TSP	93	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR5	Sunny	16:36	24-hour TSP	101	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR6	Sunny	16:25	24-hour TSP	95	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR10	Sunny	16:14	24-hour TSP	67	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR10	Sunny	11:46	24-hour TSP	62	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR6	Sunny	11:58	24-hour TSP	79	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR5	Sunny	12:09	24-hour TSP	104	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR1	Sunny	12:21	24-hour TSP	115	ug/m3
TMCLKL	HY/2012/08	2014-11-14	AQMS1	Sunny	12:33	24-hour TSP	94	ug/m3
TMCLKL	HY/2012/08	2014-11-17	AQMS1	Sunny	17:12	24-hour TSP	98	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR1	Sunny	17:01	24-hour TSP	107	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR5	Sunny	16:50	24-hour TSP	91	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR6	Sunny	16:39	24-hour TSP	77	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR10	Sunny	16:28	24-hour TSP	88	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR10	Sunny	10:46	24-hour TSP	64	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR6	Sunny	10:56	24-hour TSP	83	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR5	Sunny	11:08	24-hour TSP	101	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR1	Sunny	11:19	24-hour TSP	87	ug/m3
TMCLKL	HY/2012/08	2014-11-20	AQMS1	Sunny	11:30	24-hour TSP	91	ug/m3
TMCLKL	HY/2012/08	2014-11-23	AQMS1	Sunny	12:38	24-hour TSP	93	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR1	Sunny	12:26	24-hour TSP	69	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR5	Sunny	12:14	24-hour TSP	74	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR6	Sunny	12:03	24-hour TSP	65	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR10	Sunny	11:51	24-hour TSP	89	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR10	Cloudy	16:09	24-hour TSP	69	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR6	Cloudy	16:20	24-hour TSP	82	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR5	Cloudy	16:31	24-hour TSP	94	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR1	Cloudy	15:43	24-hour TSP	95	ug/m3
TMCLKL	HY/2012/08	2014-11-26	AQMS1	Cloudy	16:54	24-hour TSP	82	ug/m3

Project	Works	Date	Station	Weather	Start time	Parameters	Results	units
TMCLKL	HY/2012/08	2014-11-29	ASR10	Sunny	08:00	1-hour TSP	92	ug/m3
TMCLKL	HY/2012/08	2014-11-29	ASR10	Sunny	09:02	1-hour TSP	85	ug/m3
TMCLKL	HY/2012/08	2014-11-29	ASR10	Sunny	10:04	1-hour TSP	64	ug/m3
TMCLKL	HY/2012/08	2014-11-29	ASR6	Sunny	08:12	1-hour TSP	163	ug/m3
TMCLKL	HY/2012/08	2014-11-29	ASR6	Sunny	09:14	1-hour TSP	180	ug/m3
TMCLKL	HY/2012/08	2014-11-29	ASR6	Sunny	10:16	1-hour TSP	142	ug/m3
TMCLKL	HY/2012/08	2014-11-29	ASR5	Sunny	08:23	1-hour TSP	197	ug/m3
TMCLKL	HY/2012/08	2014-11-29	ASR5	Sunny	09:25	1-hour TSP	172	ug/m3
TMCLKL	HY/2012/08	2014-11-29	ASR5	Sunny	10:27	1-hour TSP	201	ug/m3
TMCLKL	HY/2012/08	2014-11-29	ASR1	Sunny	08:34	1-hour TSP	116	ug/m3
TMCLKL	HY/2012/08	2014-11-29	ASR1	Sunny	09:36	1-hour TSP	146	ug/m3
TMCLKL	HY/2012/08	2014-11-29	ASR1	Sunny	10:38	1-hour TSP	144	ug/m3
TMCLKL	HY/2012/08	2014-11-29	AQMS1	Sunny	08:45	1-hour TSP	200	ug/m3
TMCLKL	HY/2012/08	2014-11-29	AQMS1	Sunny	09:47	1-hour TSP	157	ug/m3
TMCLKL	HY/2012/08	2014-11-29	AQMS1	Sunny	10:49	1-hour TSP	139	ug/m3
TMCLKL	HY/2012/08	2014-11-29	ASR10	Sunny	11:06	24-hour TSP	60	ug/m3
TMCLKL	HY/2012/08	2014-11-29	ASR6	Sunny	11:18	24-hour TSP	85	ug/m3
TMCLKL	HY/2012/08	2014-11-29	ASR5	Sunny	11:29	24-hour TSP	98	ug/m3
TMCLKL	HY/2012/08	2014-11-29	ASR1	Sunny	11:40	24-hour TSP	73	ug/m3
TMCLKL	HY/2012/08	2014-11-29	AQMS1	Sunny	11:51	24-hour TSP	89	ug/m3

Appendix H

Meteorological Data

	Meteorolog	gical Data for Impact Monitoring in th	e reporting period
Date (yy-mm-dd)	Time (24hrs)	Average of Wind Speed (m/s)	Average of Wind Direction (degree
14/11/02	0:00	0.4	108
14/11/02	1:00	0.4	64
14/11/02	2:00	0.9	44
14/11/02	3:00	0.9	100
14/11/02	4:00	0.9	77
14/11/02	5:00	1.3	91
14/11/02	6:00	0.9	105
14/11/02	7:00	0.4	71
14/11/02	8:00	0	44
14/11/02	9:00	1.3	32
14/11/02	10:00	1.3	51
14/11/02	11:00	1.8	62
14/11/02	12:00	1.8	57
14/11/02	13:00	1.8	10
14/11/02	14:00	2.2	11
14/11/02	15:00	2.7	21
14/11/02	16:00	2.7	356
14/11/02	17:00	2.7	344
14/11/02	18:00	0.9	22
14/11/02	19:00	0.9	31
14/11/02	20:00	1.3	18
14/11/02	21:00	2.2	32
14/11/02	22:00	2.2	34
14/11/02	23:00	3.1	51
14/11/03	0:00	4	47
14/11/03	1:00	4.5	43
14/11/03	2:00	4	38
14/11/03	3:00	3.1	32
14/11/03	4:00	1.3	30
14/11/03	5:00	1.8	12
14/11/03	6:00	2.2	5
14/11/03	7:00	2.2	46
14/11/03	8:00	3.1	51
14/11/03	9:00	3.1	55
14/11/03	10:00	2.7	62
14/11/03	11:00	1.8	49
14/11/03	12:00	1.8	37
14/11/03	13:00	1.8	30
14/11/03	14:00	2.2	29
14/11/03	15:00	1.8	41
14/11/03	16:00	1.8	11
14/11/03	17:00	1.3	8
14/11/03	18:00	0.9	11
14/11/05	0:00	0.9	85
14/11/05	1:00	1.3	40
14/11/05	2:00	1.3	39
14/11/05	3:00	1.3	105
14/11/05	4:00	1.8	113
14/11/05	5:00	3.1	115
14/11/05	6:00	3.6	129
14/11/05	7:00	2.7	130
14/11/05	8:00	3.6	126
14/11/05	9:00	3.6	131
14/11/05	10:00	3.1	142

	Meteorolo	gical Data for Impact Monitoring in th	e reporting period
Date (yy-mm-dd)	Time (24hrs)	Average of Wind Speed (m/s)	Average of Wind Direction (degree
14/11/05	11:00	3.1	150
14/11/05	12:00	3.1	152
14/11/05	13:00	2.7	133
14/11/05	14:00	2.7	142
14/11/05	15:00	2.7	117
14/11/05	16:00	2.7	139
14/11/05	17:00	2.2	168
14/11/05	18:00	3.1	177
14/11/05	19:00	3.1	142
14/11/05	20:00	3.1	151
14/11/05	21:00	2.2	138
14/11/05	22:00	2.7	151
14/11/05	23:00	3.1	162
14/11/06	0:00	3.1	139
14/11/06	1:00	1.3	85
14/11/06	2:00	0.9	79
14/11/06	3:00	0.9	92
14/11/06	4:00	0.4	100
14/11/06	5:00	0.4	74
14/11/06	6:00	0.4	62
14/11/06	7:00	0	91
14/11/06	8:00	0.4	88
14/11/06	9:00	0.9	132
14/11/06	10:00	0.9	151
14/11/06	11:00	0.4	162
14/11/06	12:00	1.3	238
14/11/06	13:00	1.3	351
14/11/06	14:00	2.2	356
14/11/06	15:00	2.2	342
14/11/06	16:00	2.7	358
14/11/06	17:00	2.2	5
14/11/06	18:00	1.8	356
14/11/06	19:00	0.9	10
14/11/06	20:00	1.8	132
14/11/06	21:00	0.9	125
14/11/06	22:00	0.9	46
14/11/06	23:00	0.4	38
14/11/08	0:00	0.9	51
14/11/08	1:00	0	55
14/11/08	2:00	0.4	62
14/11/08	3:00	0	347
14/11/08	4:00	0.9	6
14/11/08	5:00	0.9	41
14/11/08	6:00	0.9	351
14/11/08	7:00	0.9	12
14/11/08	8:00	2.2	16
14/11/08	9:00	3.1	41
14/11/08	10:00	3.1	38
14/11/08	11:00	3.6	51
14/11/08	12:00	1.3	46
14/11/08	13:00	1.8	52
14/11/08	14:00	4	38
14/11/08	15:00	4	47
14/11/08	16:00	3.1	59

	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					
14/11/08	17:00	1.8	61					
14/11/08	18:00	1.3	55					
14/11/08	19:00	0.9	54					
14/11/08	20:00	2.2	53					
14/11/08	21:00	2.7	52					
14/11/08	22:00	2.7	48					
14/11/08	23:00	2.7	60					
14/11/09	0:00	2.7	37					
14/11/09	1:00	1.8	34					
14/11/09	2:00	0.9	62					
14/11/09	3:00	0.9	55					
14/11/09	4:00	1.8	51					
14/11/09	5:00	1.8	50					
14/11/09	6:00	1.8	71					
14/11/09	7:00	2.2	56					
14/11/09	8:00	2.2	59					
14/11/09	9:00	2.2	88					
14/11/09	10:00	1.8	74					
14/11/09	11:00	1.3	58					
14/11/09	12:00	1.3	63					
14/11/09	13:00	1.3	115					
14/11/09	14:00	2.2	123					
14/11/09	15:00	2.7	144					
14/11/09	16:00	2.7	131					
14/11/09	17:00	1.8	127					
14/11/09	18:00	0.4	134					
14/11/09	19:00	0.4	49					
14/11/09	20:00	0.4	51					
14/11/09	21:00	0.9	58					
14/11/09	22:00	0.9	67					
14/11/09	23:00	1.8	51					
14/11/11	0:00	0.4	105					
14/11/11	1:00	0	74					
14/11/11	2:00	0	223					
14/11/11	3:00	0.4	141					
14/11/11	4:00	0.4	95					
14/11/11	5:00	0.4	74					
14/11/11	6:00	0.4	61					
14/11/11	7:00	0.4	100					
14/11/11	8:00	0.9	66					
14/11/11	9:00	1.3	92					
14/11/11	10:00	1.8	113					
14/11/11	11:00	1.8	145					
14/11/11	12:00	0.4	174					
14/11/11	13:00	0.9	26					
14/11/11	13:00	0.9	344					
14/11/11	14:00	1.8	358					
14/11/11	16:00	1.8	5					
		0.4	9					
14/11/11	17:00		131					
14/11/11	18:00	0.9						
14/11/11	19:00	0.9	119					
14/11/11	20:00	0.9	105					
14/11/11	21:00	0.9	41					
14/11/11	22:00	0.4	132					

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				
14/11/11	23:00	0.4	12				
14/11/12	0:00	1.8	36				
14/11/12	1:00	1.3	44				
14/11/12	2:00	0.4	51				
14/11/12	3:00	0.9	58				
14/11/12	4:00	2.7	62				
14/11/12	5:00	2.7	55				
14/11/12	6:00	2.7	59				
14/11/12	7:00	3.1	43				
14/11/12	8:00	2.7	41				
14/11/12	9:00	3.1	38				
14/11/12	10:00	3.1	47				
14/11/12	11:00	3.1	46				
14/11/12	12:00	3.1	52				
14/11/12	13:00	3.1	34				
14/11/12	14:00	3.1	9				
14/11/12	15:00	3.1	61				
14/11/12	16:00	2.2	66				
14/11/12	17:00	1.8	71				
14/11/12	18:00	0.9	58				
14/11/12	19:00	2.2	59				
14/11/12	20:00	1.8	61				
14/11/12	21:00	2.2	47				
14/11/12	22:00	3.1	44				
14/11/12	23:00	4	43				
14/11/14	0:00	2.7	40				
14/11/14	1:00	3.1	37				
14/11/14	2:00	2.2	51				
14/11/14	3:00	1.8	43				
14/11/14	4:00	2.2	51				
14/11/14	5:00	2.7	48				
14/11/14	6:00	2.2	51				
14/11/14	7:00	1.8	37				
14/11/14	8:00	2.2	42				
14/11/14	9:00	2.7	33				
14/11/14	10:00	2.7	28				
14/11/14	11:00	2.7	51				
14/11/14	12:00	2.2	39				
14/11/14	13:00	1.8	45				
14/11/14	14:00	0.9	37				
14/11/14	15:00	0.4	262				
14/11/14	16:00	0.9	13				
14/11/14	17:00	1.3	49				
14/11/14	18:00	1.8	124				
14/11/14	19:00	0.4	51				
14/11/14	20:00	1.3	127				
14/11/14	21:00	0.4	38				
14/11/14	22:00	0.9	42				
14/11/14	23:00	1.3	51				
14/11/15	0:00	1.3	68				
14/11/15	1:00	1.3	74				
14/11/15	2:00	1.8	93				
14/11/15	3:00	1.8	101				
14/11/15	4:00	2.2	94				

	Meteorolo	gical Data for Impact Monitoring in th	he reporting period
Date (yy-mm-dd)	Time (24hrs)	Average of Wind Speed (m/s)	Average of Wind Direction (degree
14/11/15	5:00	0.9	89
14/11/15	6:00	0.4	42
14/11/15	7:00	0.9	38
14/11/15	8:00	1.3	51
14/11/15	9:00	1.3	47
14/11/15	10:00	1.3	44
14/11/15	11:00	1.3	179
14/11/15	12:00	0.4	185
14/11/15	13:00	1.3	191
14/11/15	14:00	2.7	174
14/11/15	15:00	2.2	165
14/11/15	16:00	2.7	159
14/11/15	17:00	2.7	134
14/11/15	18:00	2.2	171
14/11/15	19:00	1.8	159
14/11/15	20:00	1.8	114
14/11/15	21:00	1.8	121
14/11/15	22:00	0	47
14/11/15	23:00	0	49
14/11/17	0:00	1.8	39
14/11/17	1:00	2.7	51
14/11/17	2:00	2.7	50
14/11/17	3:00	2.2	21
14/11/17	4:00	3.6	38
14/11/17	5:00	3.6	52
14/11/17	6:00	1.8	49
14/11/17	7:00	2.2	62
14/11/17	8:00	4	53
14/11/17	9:00	4.5	55
14/11/17	10:00	4	57
14/11/17	11:00	2.7	40
14/11/17	12:00	2.2	38
14/11/17	13:00	2.2	50
14/11/17	14:00	2.2	43
14/11/17	15:00	2.2	66
14/11/17	16:00	2.2	71
14/11/17	17:00	2.2	49
14/11/17	18:00	2.7	62
14/11/17	19:00	3.6	50
14/11/17	20:00	4	42
14/11/17	21:00	4.5	39
14/11/17	22:00	4	61
14/11/17	23:00	4	51
14/11/18	0:00	4.5	55
14/11/18	1:00	4.9	57
14/11/18	2:00	4.5	42
14/11/18	3:00	3.1	44
14/11/18	4:00	3.1	19
14/11/18	5:00	2.2	39
14/11/18	6:00	0.9	355
14/11/18	7:00	1.3	44
14/11/18	8:00	1.8	39
14/11/18	9:00	2.2	56
14/11/18	10:00	3.1	54

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		
14/11/18	11:00	2.7	52		
14/11/18	12:00	1.8	47		
14/11/18	13:00	1.8	61		
14/11/18	14:00	0.9	70		
14/11/18	15:00	0.4	71		
14/11/18	16:00	0.9	38		
14/11/18	17:00	1.3	52		
14/11/18	18:00	1.8	10		
14/11/18	19:00	1.8	8		
14/11/18	20:00	0.9	23		
14/11/18	21:00	0.9	21		
14/11/18	22:00	2.2	39		
14/11/18	23:00	2.2	46		
14/11/20	0:00	0	47		
14/11/20	1:00	0	52		
14/11/20	2:00	0.4	58		
14/11/20	3:00	0.9	63		
14/11/20	4:00	1.8	40		
14/11/20	5:00	1.8	33		
14/11/20	6:00	0.9	39		
14/11/20	7:00	0.9	88		
14/11/20	8:00	1.3	50		
14/11/20	9:00	1.3	49		
14/11/20	10:00	1.3	51		
14/11/20	11:00	2.2	138		
14/11/20	12:00	1.8	135		
14/11/20	13:00	1.8	179		
14/11/20	14:00	2.2	182		
14/11/20	15:00	1.3	190		
14/11/20	16:00	0.4	173		
14/11/20	17:00	1.3	144		
14/11/20		2.2	136		
	18:00	3.1	150		
14/11/20	19:00				
14/11/20	20:00	2.7	128		
14/11/20	21:00	1.8	119		
14/11/20	22:00	1.3	110		
14/11/20	23:00	1.8	109		
14/11/21	0:00	1.3	121		
14/11/21	1:00	1.3	87		
14/11/21	2:00	1.3	46		
14/11/21	3:00	0.9	92		
14/11/21	4:00	0.9	42		
14/11/21	5:00	0.9	100		
14/11/21	6:00	0.9	56		
14/11/21	7:00	1.3	84		
14/11/21	8:00	2.2	38		
14/11/21	9:00	2.2	42		
14/11/21	10:00	1.3	46		
14/11/21	11:00	1.3	58		
14/11/21	12:00	2.2	179		
14/11/21	13:00	1.8	183		
14/11/21	14:00	0.9	256		
14/11/21	15:00	0.9	245		
14/11/21	16:00	0.9	275		

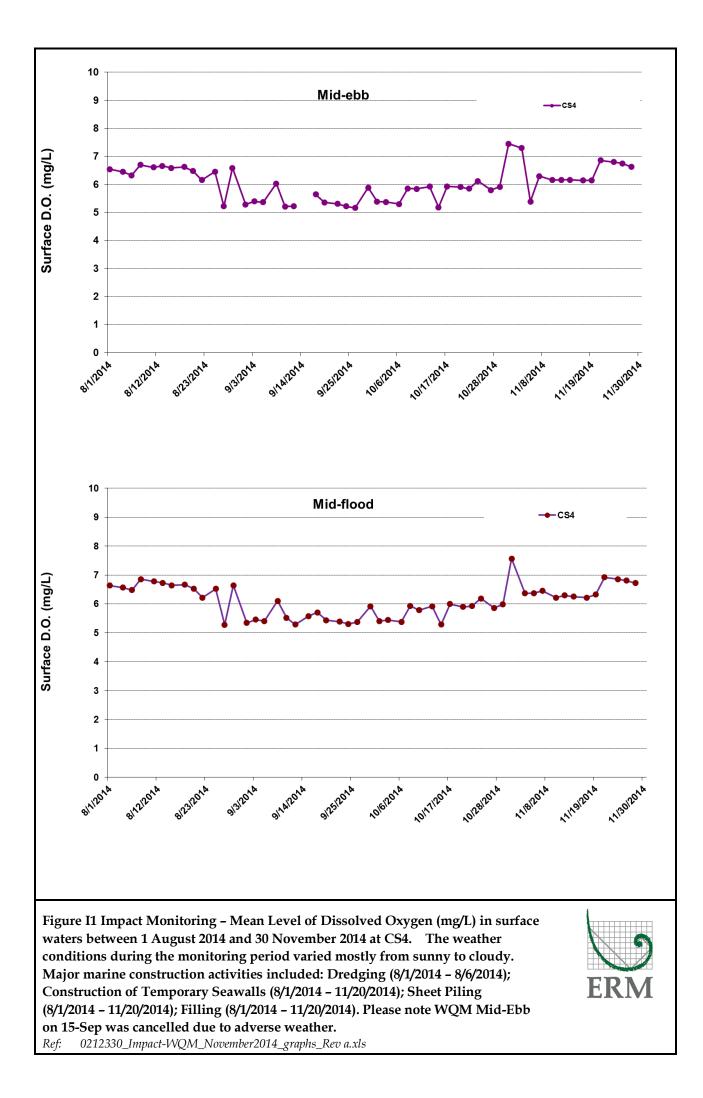
Meteorological Data for Impact Monitoring in the reporting period					
Date (yy-mm-dd)	Time (24hrs)	Average of Wind Speed (m/s)	Average of Wind Direction (degree		
14/11/21	17:00	0.4	268		
14/11/21	18:00	0	273		
14/11/21	19:00	0.4	354		
14/11/21	20:00	0.4	344		
14/11/21	21:00	0	10		
14/11/21	22:00	0	123		
14/11/21	23:00	0	103		
14/11/23	0:00	1.8	98		
14/11/23	1:00	2.7	95		
14/11/23	2:00	2.2	88		
14/11/23	3:00	2.7	116		
14/11/23	4:00	3.1	106		
14/11/23	5:00	3.6	132		
14/11/23	6:00	2.7	114		
14/11/23	7:00	2.2	108		
14/11/23	8:00	1.8	85		
14/11/23	9:00	3.1	113		
14/11/23	10:00	3.6	127		
14/11/23	11:00	4.5	127		
14/11/23		3.1	135		
	12:00	3.1	139		
14/11/23	13:00	2.7			
14/11/23	14:00		145		
14/11/23	15:00	2.2	151		
14/11/23	16:00	2.7	162		
14/11/23	17:00	3.1	153		
14/11/23	18:00	2.2	154		
14/11/23	19:00	2.7	139		
14/11/23	20:00	2.2	144		
14/11/23	21:00	1.8	121		
14/11/23	22:00	0.9	118		
14/11/23	23:00	0.9	109		
14/11/24	0:00	0.4	127		
14/11/24	1:00	0.9	116		
14/11/24	2:00	1.8	117		
14/11/24	3:00	1.3	95		
14/11/24	4:00	0	113		
14/11/24	5:00	0.4	46		
14/11/24	6:00	0.4	95		
14/11/24	7:00	0.4	101		
14/11/24	8:00	0.4	79		
14/11/24	9:00	0.4	88		
14/11/24	10:00	1.3	122		
14/11/24	11:00	0.4	178		
14/11/24	12:00	1.8	144		
14/11/24	13:00	1.8	166		
14/11/24	14:00	1.3	159		
14/11/24	15:00	2.7	179		
14/11/24	16:00	2.2	183		
14/11/24	17:00	2.7	188		
14/11/24	18:00	0.4	167		
14/11/26	0:00	0	10		
14/11/26	1:00	0	13		
14/11/26	2:00	0.4	355		
14/11/26	3:00	0.4	346		

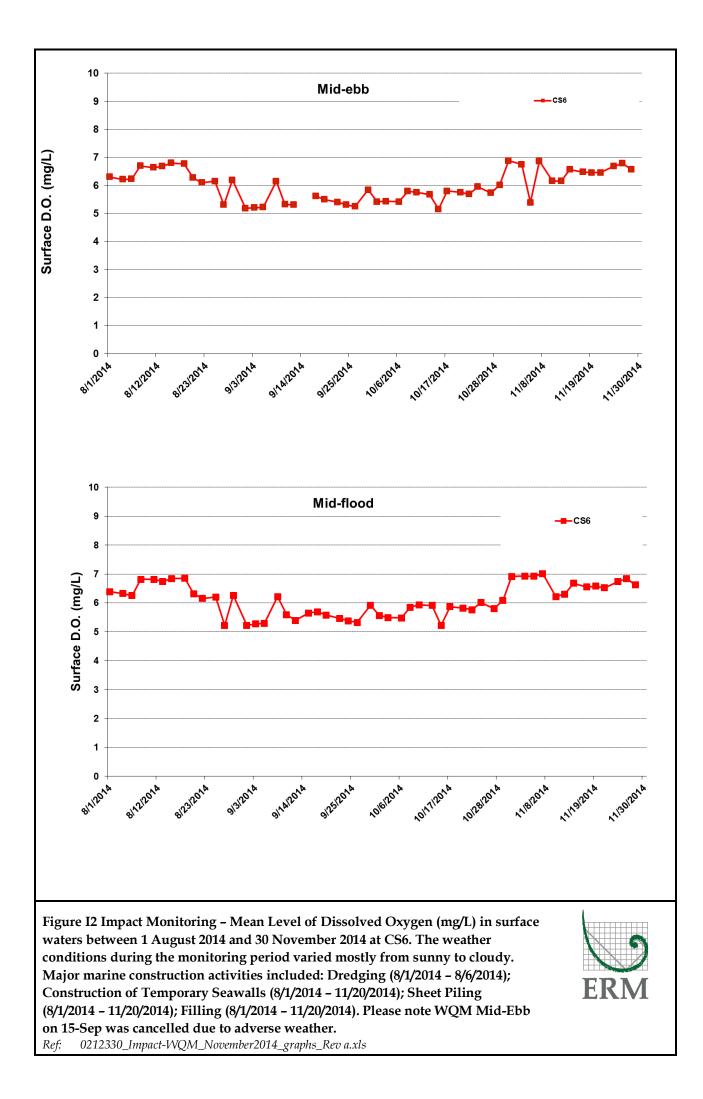
	Meteorolog	gical Data for Impact Monitoring in the	e reporting period
Date (yy-mm-dd)	Time (24hrs)	Average of Wind Speed (m/s)	Average of Wind Direction (degree
14/11/26	4:00	0.4	351
14/11/26	5:00	0	11
14/11/26	6:00	0.4	5
14/11/26	7:00	0.4	34
14/11/26	8:00	0.4	31
14/11/26	9:00	1.8	25
14/11/26	10:00	1.3	21
14/11/26	11:00	2.2	26
14/11/26	12:00	2.7	14
14/11/26	13:00	2.7	28
14/11/26	14:00	2.7	37
14/11/26	15:00	2.7	33
14/11/26	16:00	3.1	26
14/11/26	17:00	4	22
14/11/26	18:00	3.6	5
14/11/26	19:00	3.6	24
14/11/26	20:00	2.2	22
14/11/26	21:00	2.7	123
14/11/26	22:00	3.1	114
14/11/26	23:00	4.5	140
14/11/27	0:00	4	126
14/11/27	1:00	4	134
14/11/27	2:00	2.2	91
14/11/27	3:00	1.8	89
14/11/27	4:00	1.8	80
14/11/27	5:00	0.9	93
14/11/27	6:00	0.9	46
14/11/27	7:00	1.3	39
14/11/27	8:00	0.9	33
14/11/27	9:00	0.9	101
14/11/27	10:00	1.8	118
14/11/27	11:00	0.9	105
14/11/27	12:00	0.4	178
14/11/27	13:00	2.2	128
14/11/27	14:00	1.8	104
14/11/27	15:00	3.6	135
14/11/27	16:00	4	126
14/11/27	17:00	4	118
14/11/27	18:00	4.5	146
14/11/27	19:00	4	151
14/11/27	20:00	3.1	126
14/11/27	21:00	4	139
14/11/27	22:00	4.5	151
14/11/27	23:00	3.6	144
14/11/29	0:00	1.3	127
14/11/29	1:00	0.4	90
14/11/29	2:00	0.4	172
14/11/29	3:00	0	169
14/11/29	4:00	0.4	144
14/11/29	5:00	0.4	130
14/11/29	6:00	2.2	124
14/11/29	7:00	1.8	151
14/11/29	8:00	1.8	46
14/11/29	9:00	2.2	118

	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
14/11/29	10:00	2.2	124
14/11/29	11:00	3.1	136
14/11/29	12:00	3.6	151
14/11/29	13:00	3.6	155
14/11/29	14:00	3.6	162
14/11/29	15:00	2.7	147
14/11/29	16:00	4	133
14/11/29	17:00	2.7	150
14/11/29	18:00	2.7	116
14/11/29	19:00	3.1	137
14/11/29	20:00	3.6	105
14/11/29	21:00	4	116
14/11/29	22:00	3.6	141
14/11/29	23:00	3.6	122
14/11/30	0:00	3.6	119
14/11/30	1:00	2.7	137
14/11/30	2:00	2.2	116
14/11/30	3:00	1.8	108
14/11/30	4:00	1.8	112
14/11/30	5:00	1.8	105
14/11/30	6:00	1.8	101
14/11/30	7:00	2.2	100
14/11/30	8:00	1.8	136
14/11/30	9:00	2.2	130
14/11/30	10:00	2.7	141
14/11/30	11:00	2.7	152
14/11/30	12:00	0.9	177
14/11/30	13:00	0.4	169
14/11/30	14:00	0.4	181
14/11/30	15:00	0.4	172
14/11/30	16:00	0.9	223
14/11/30	17:00	0.4	218
14/11/30	18:00	0	242
14/11/30	19:00	0	274
14/11/30	20:00	0.4	236
14/11/30	21:00	0.9	245
14/11/30	22:00	1.3	218
14/11/30	23:00	0	225

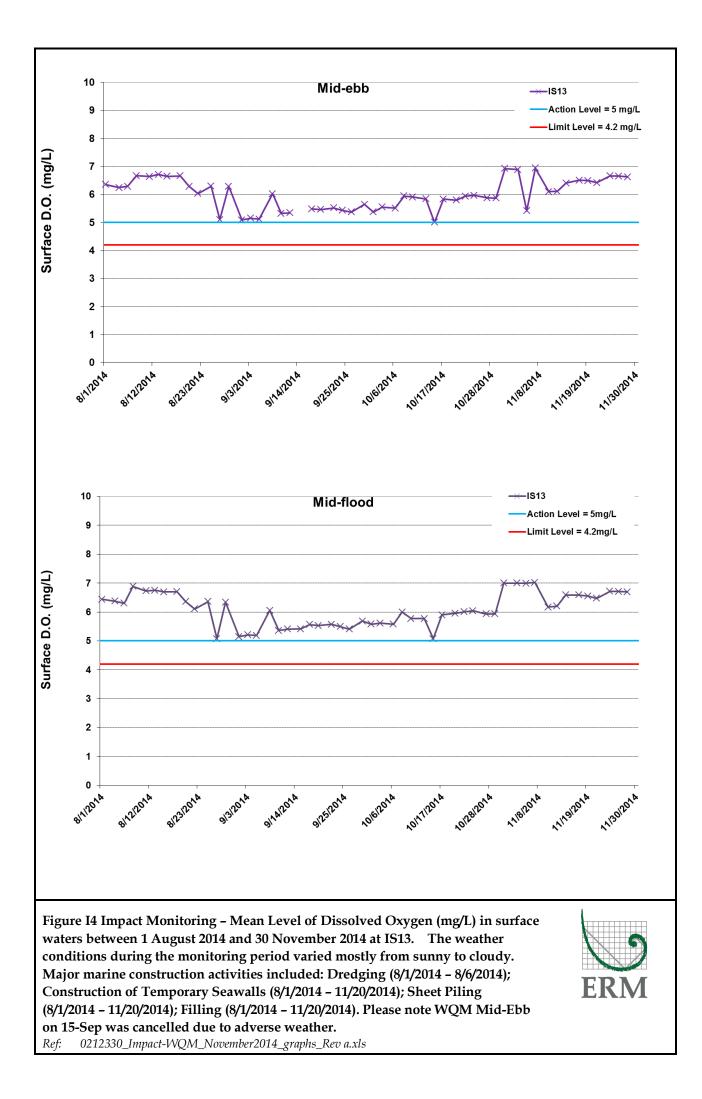
Appendix I

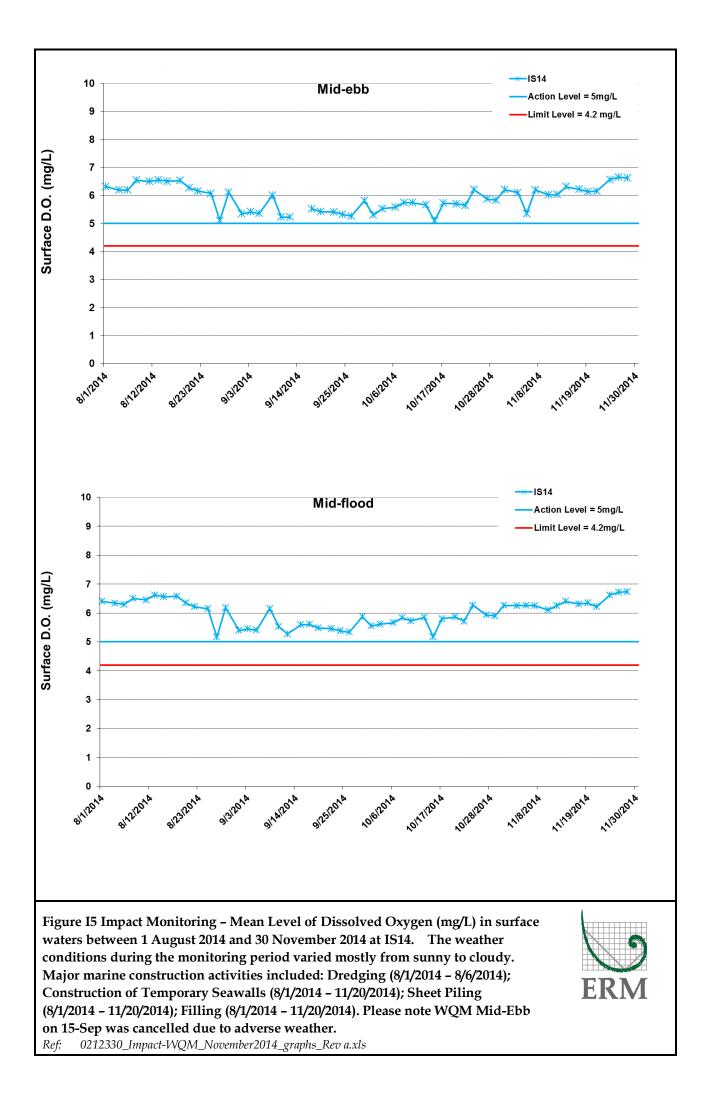
Impact Water Quality Monitoring Results

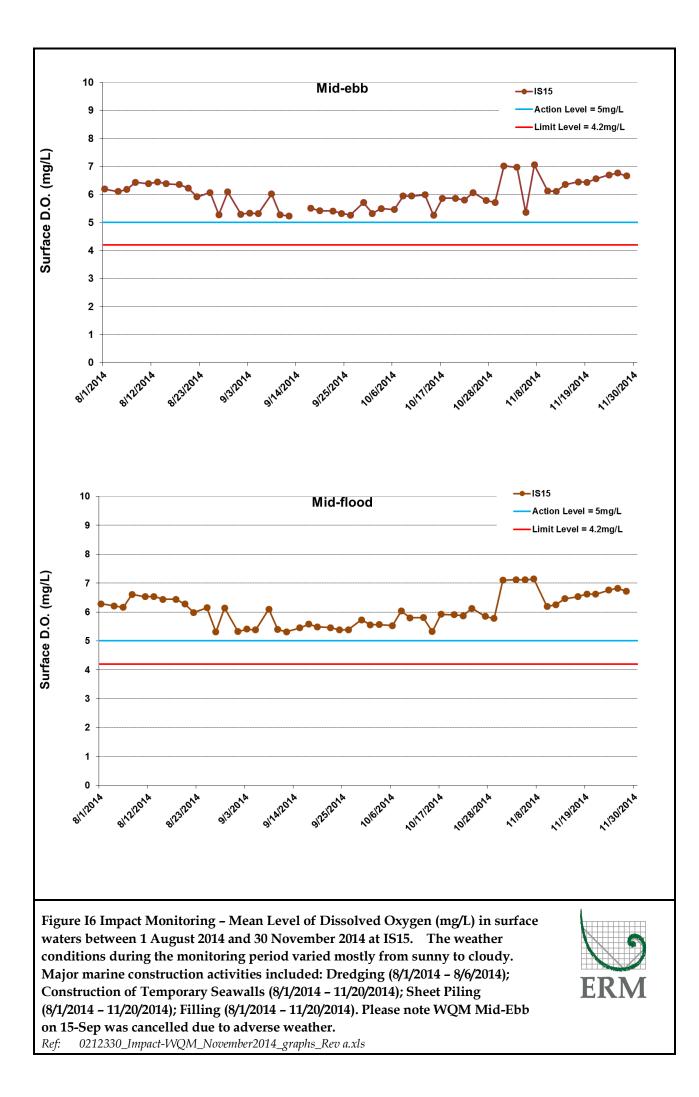


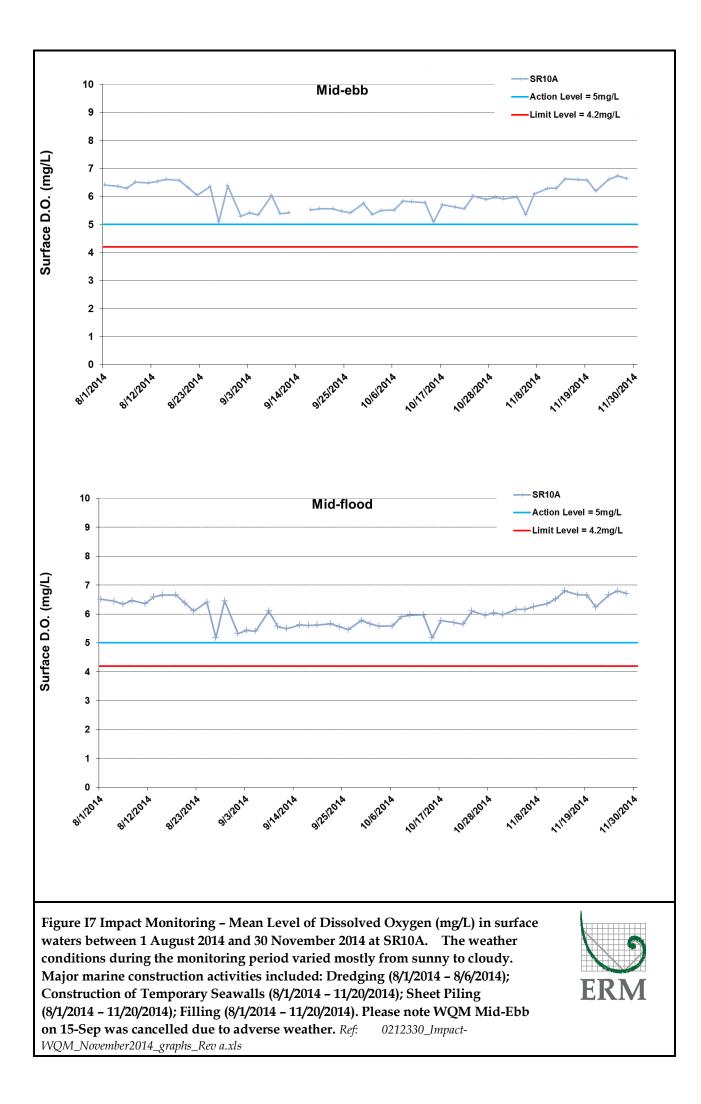


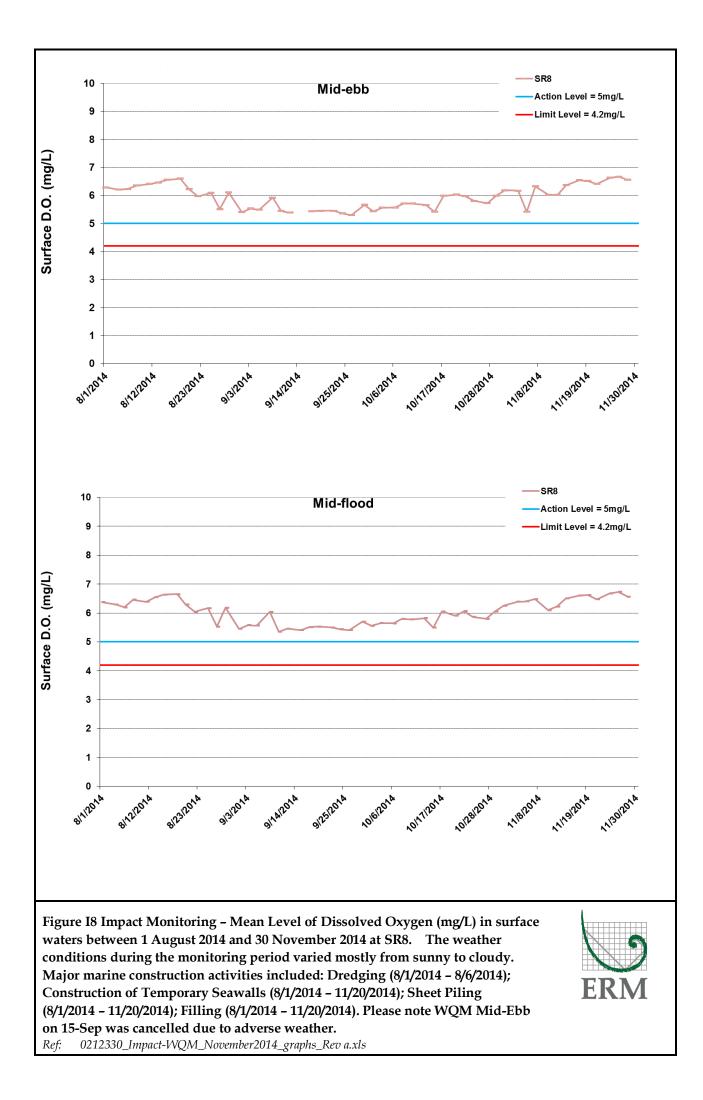


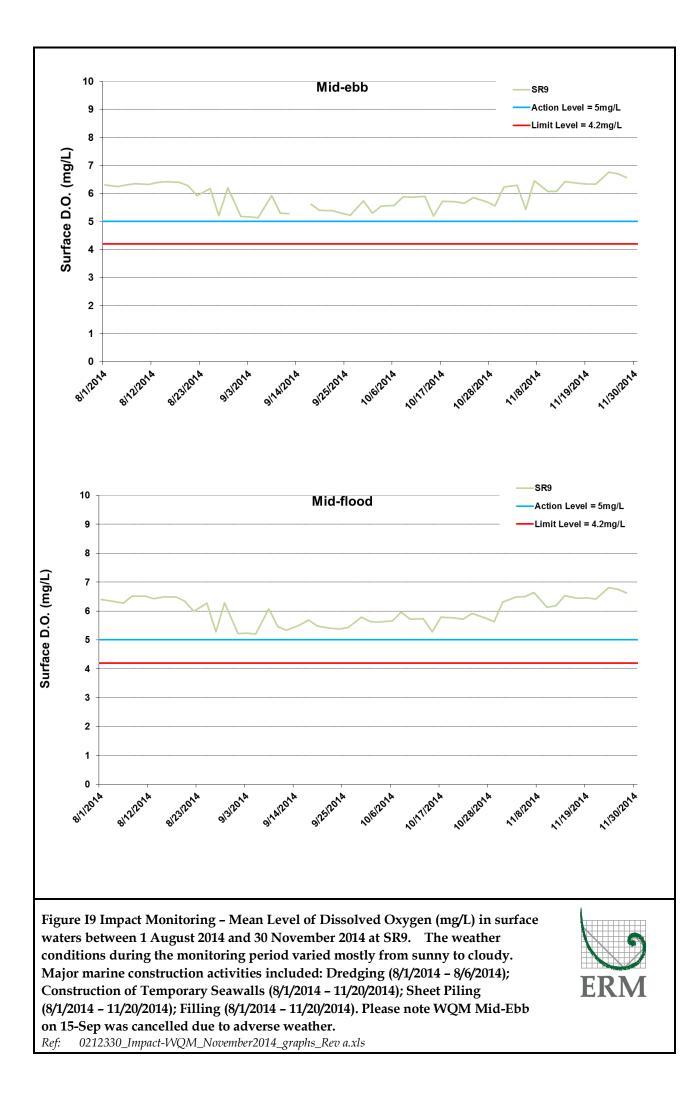


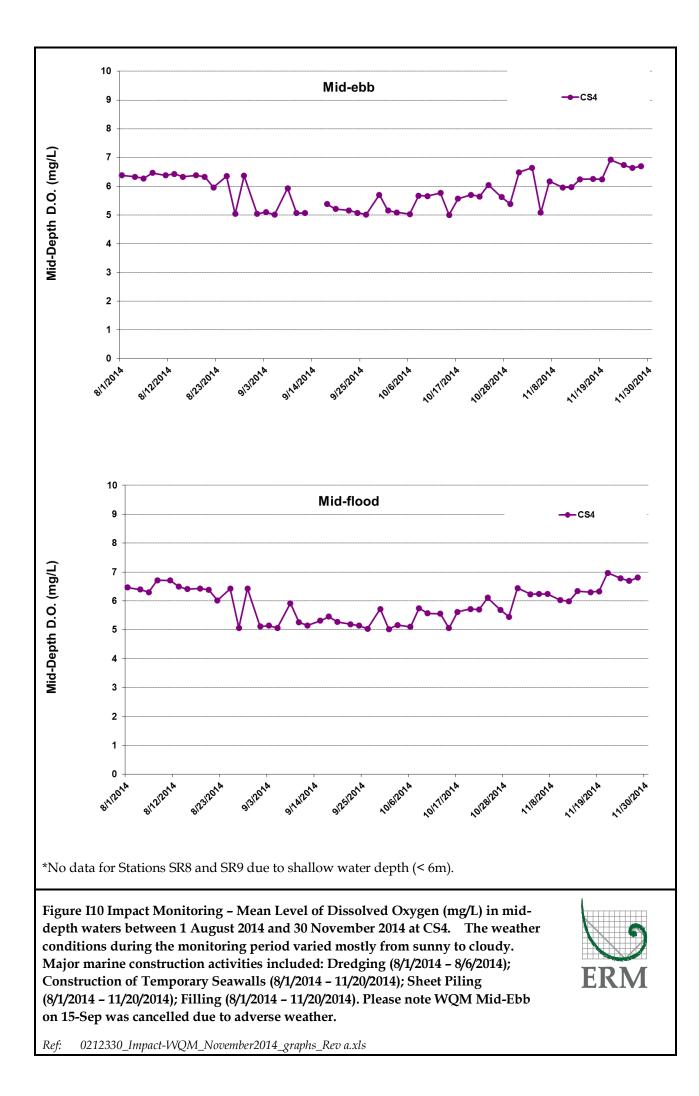


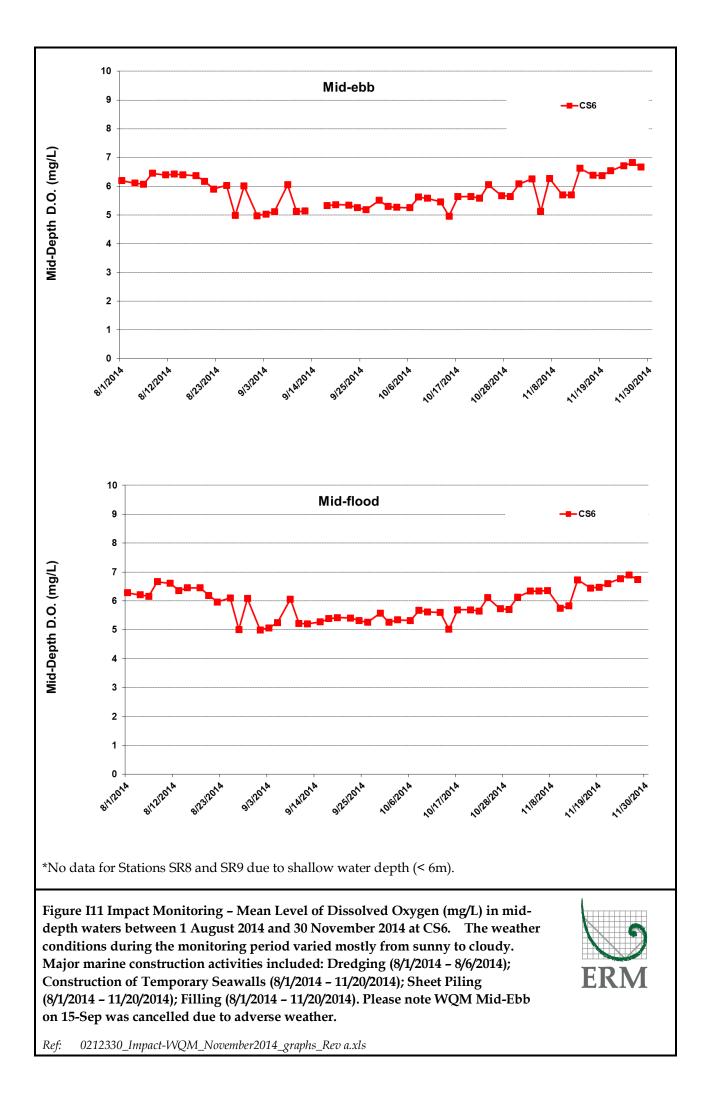


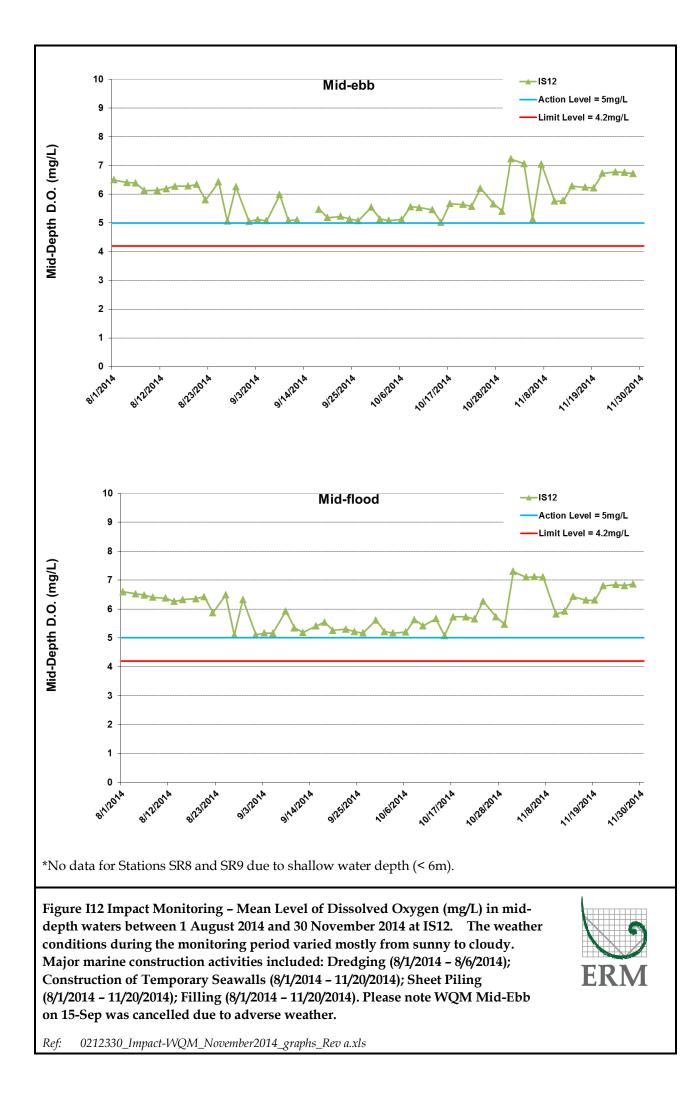


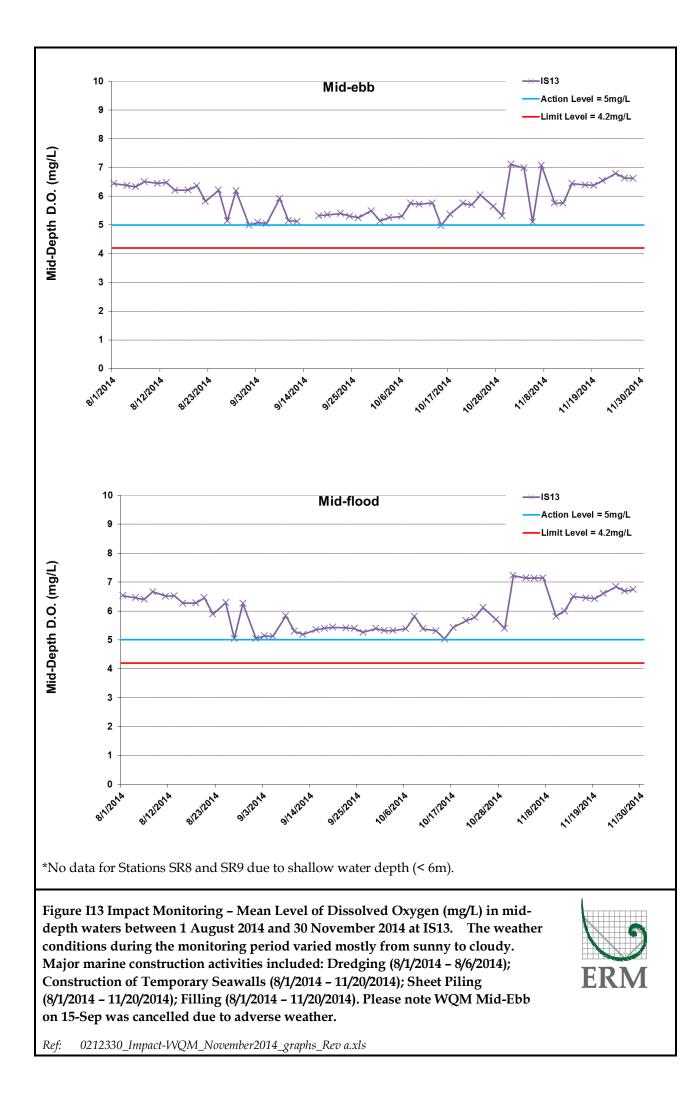


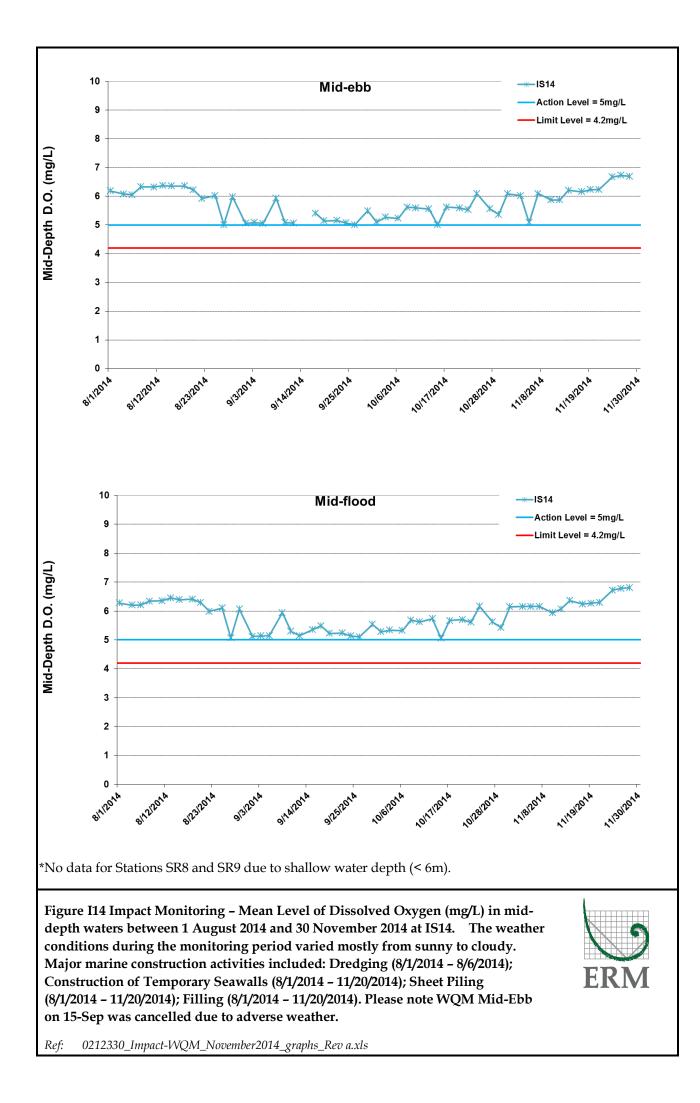


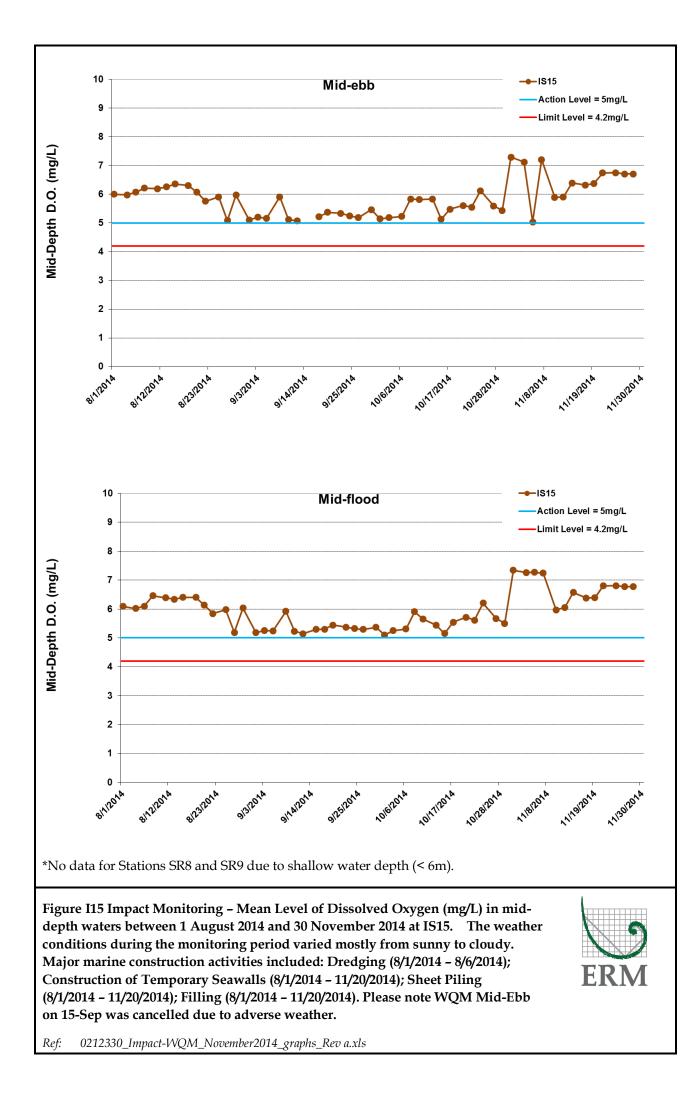


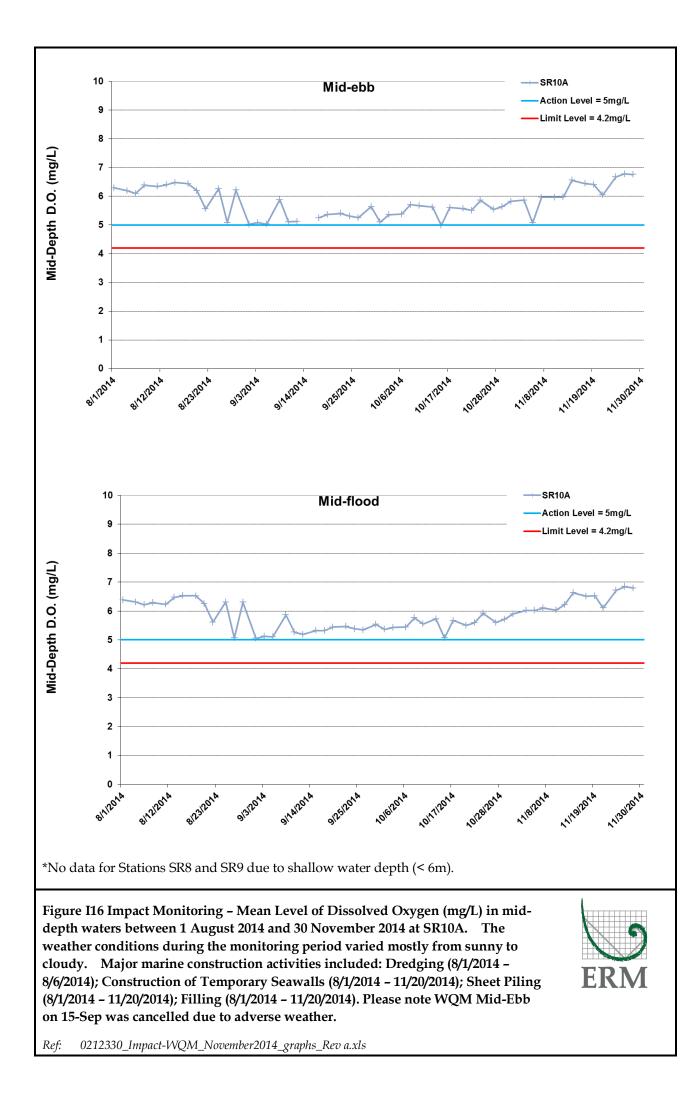


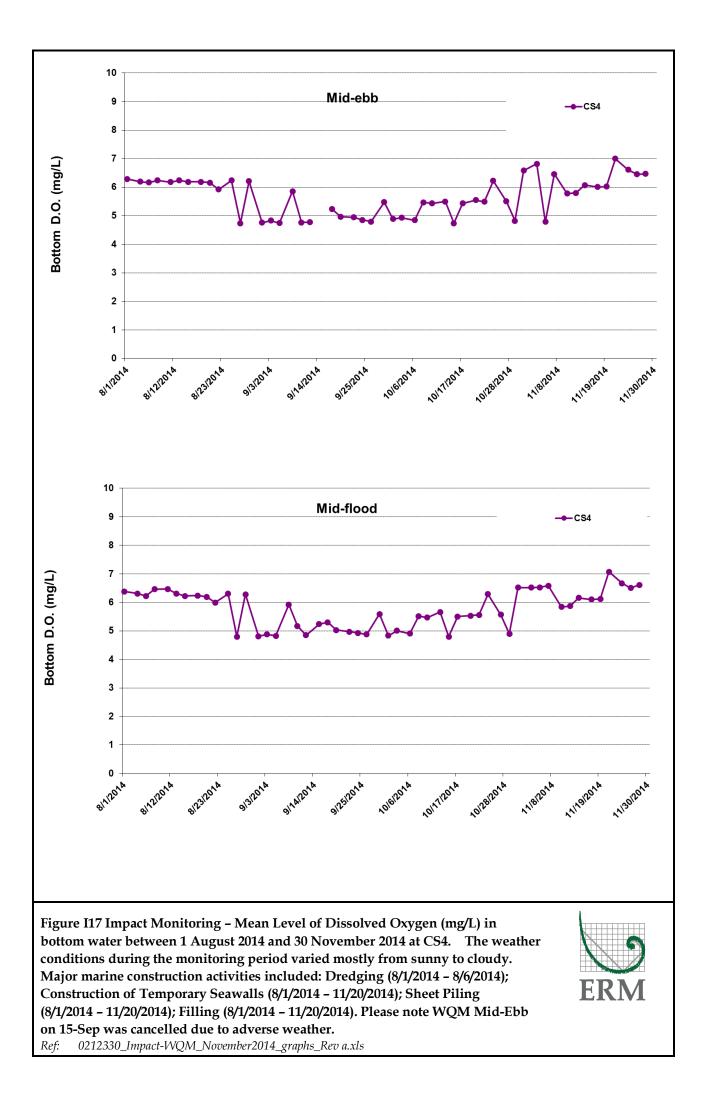


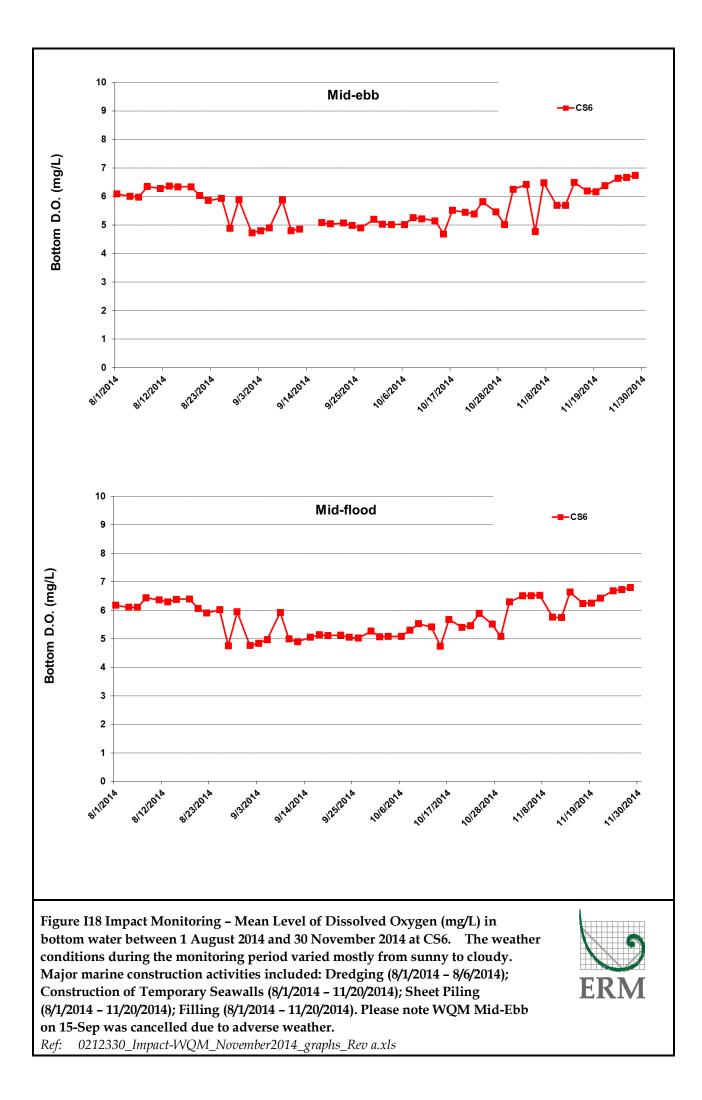


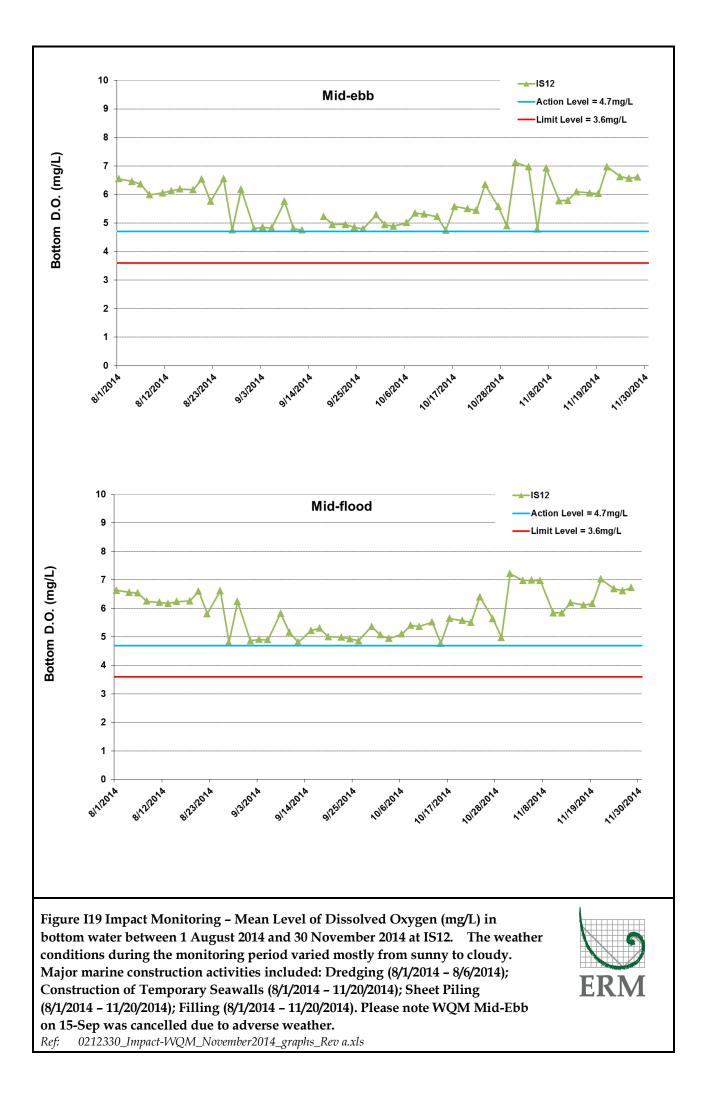


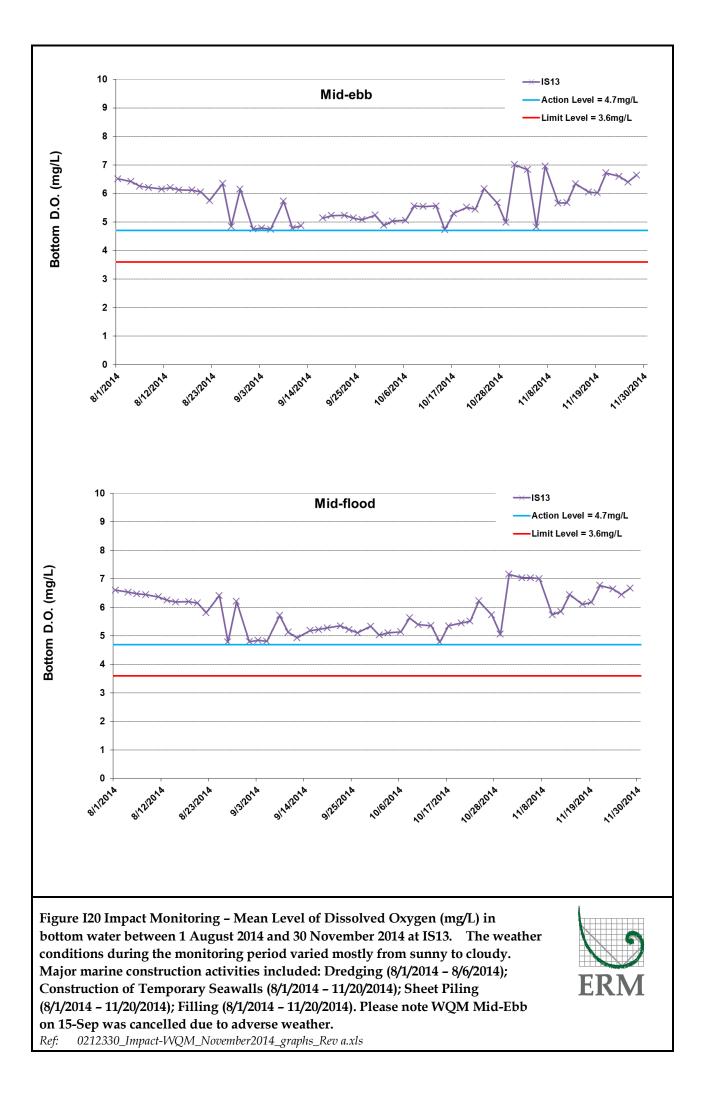


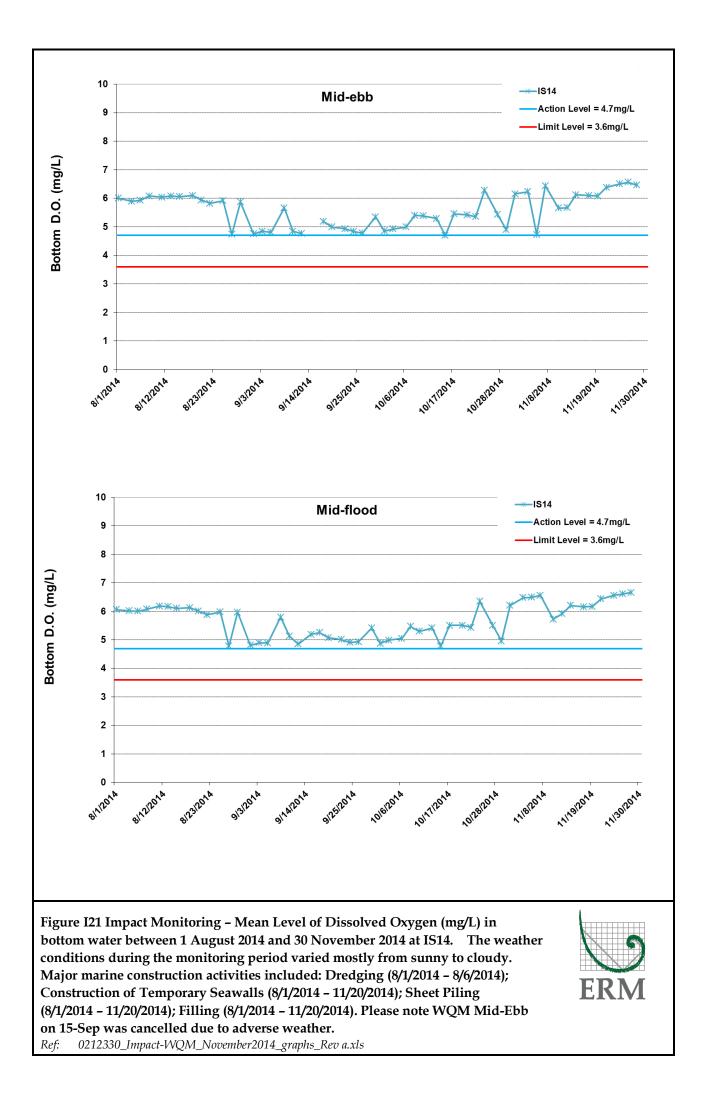


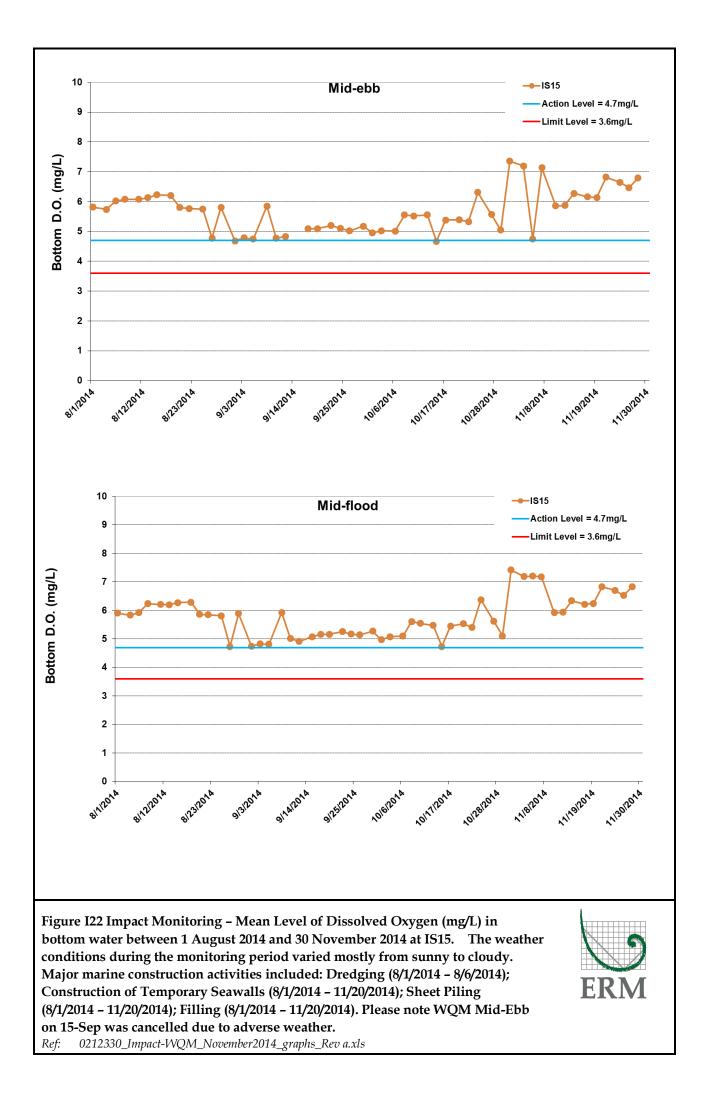


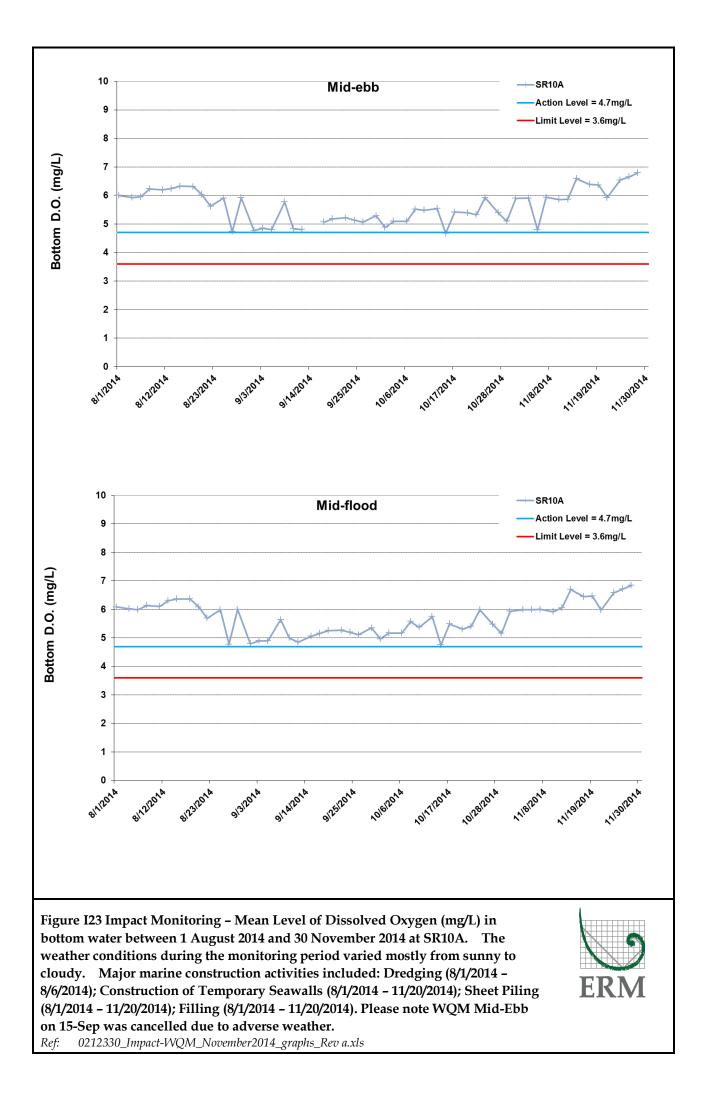


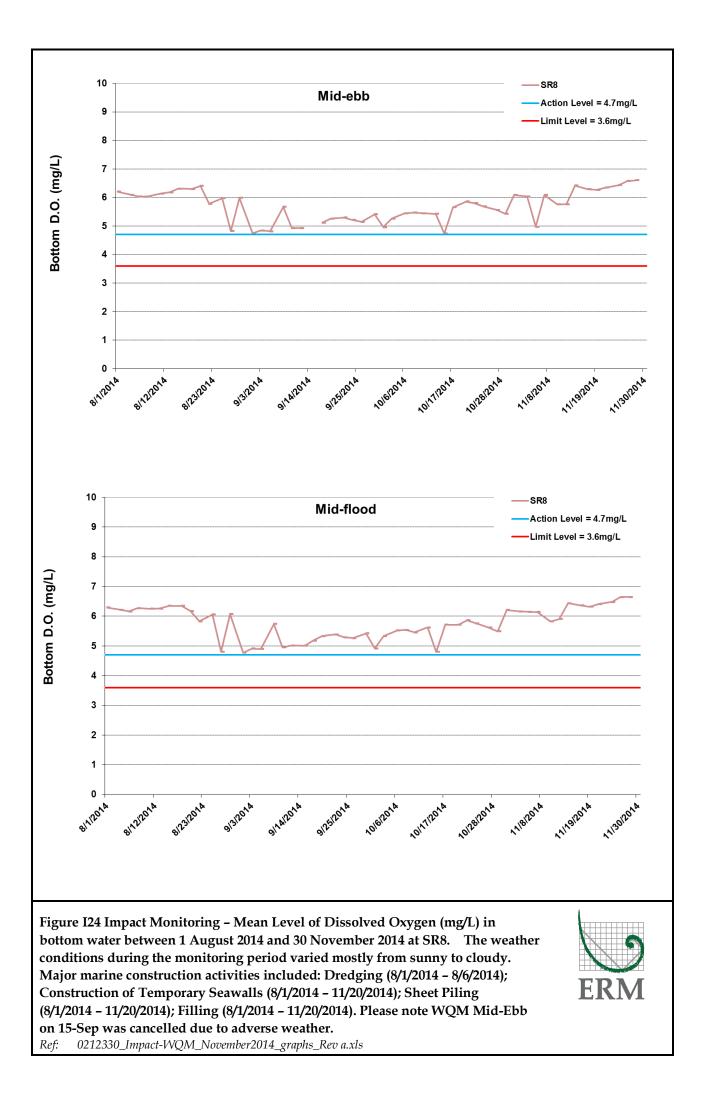




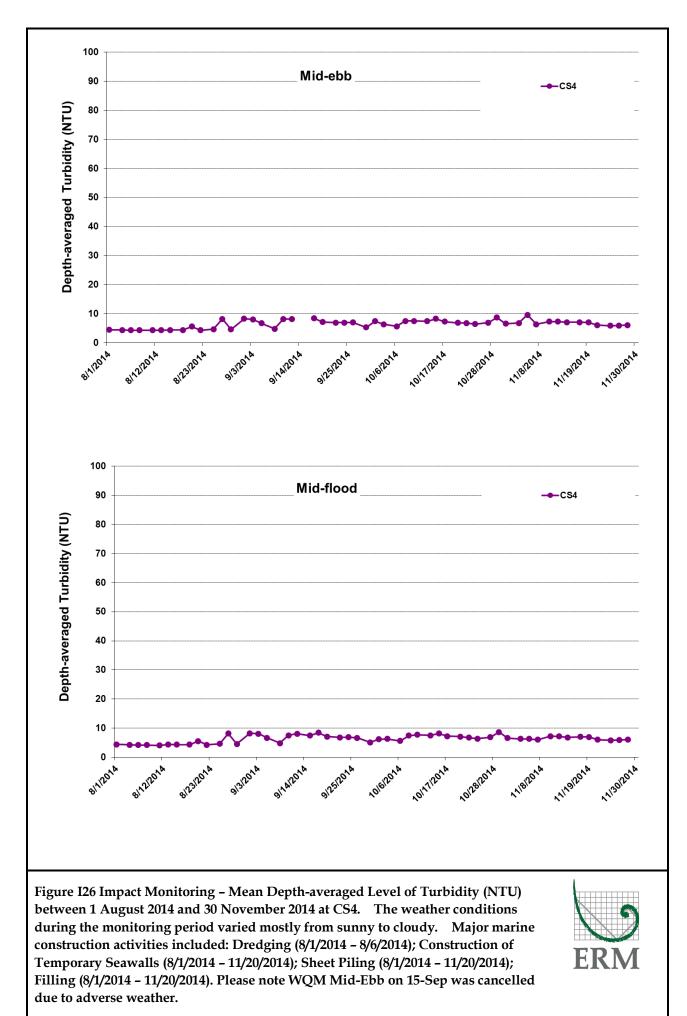


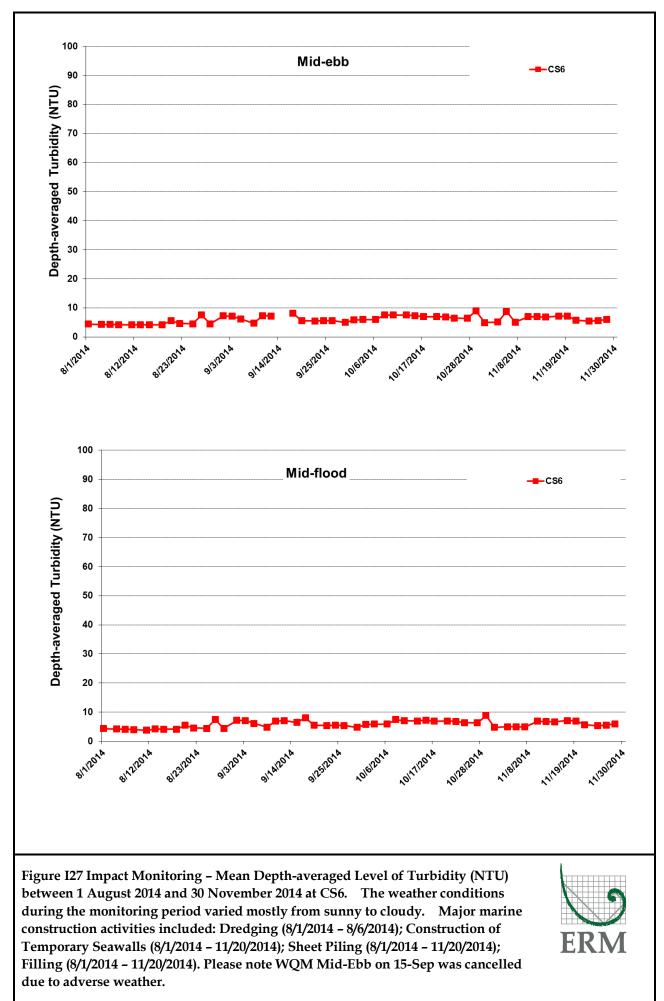


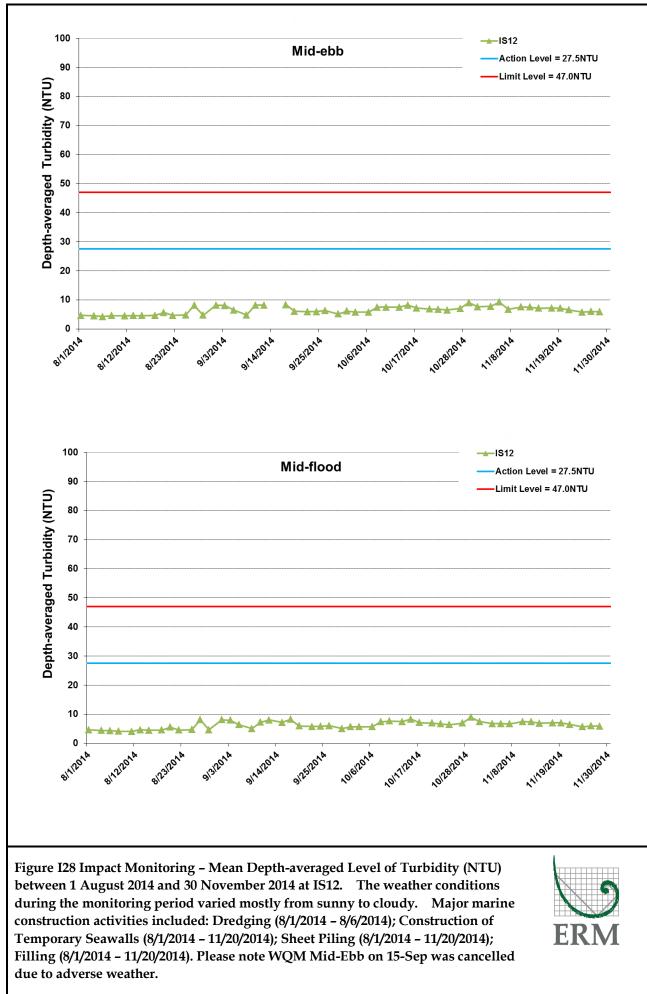


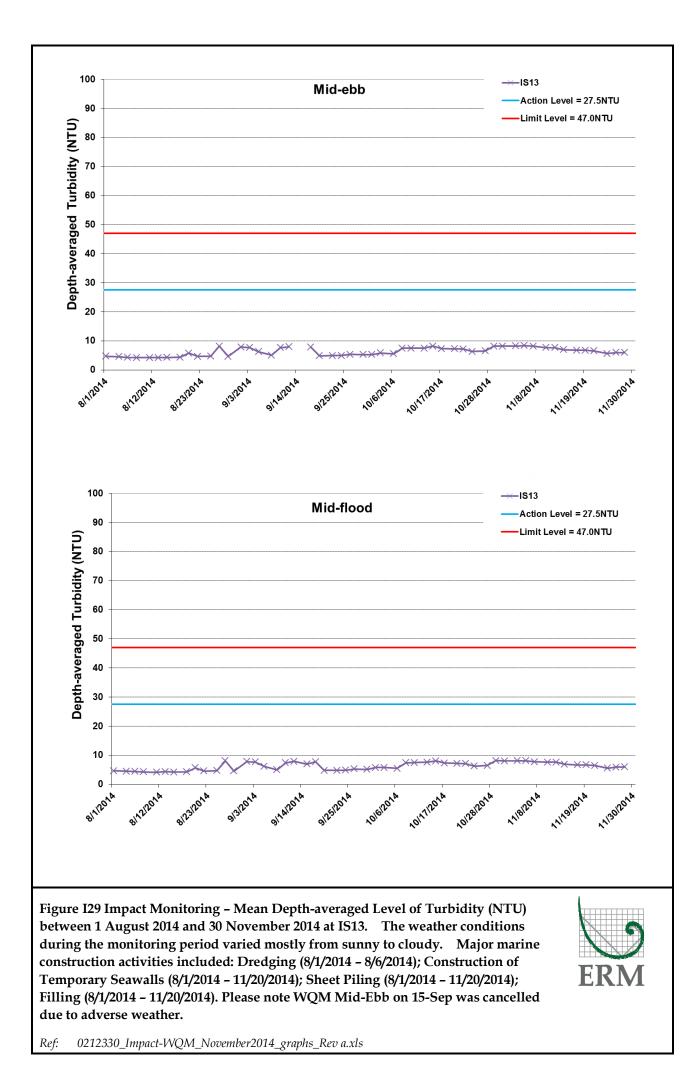


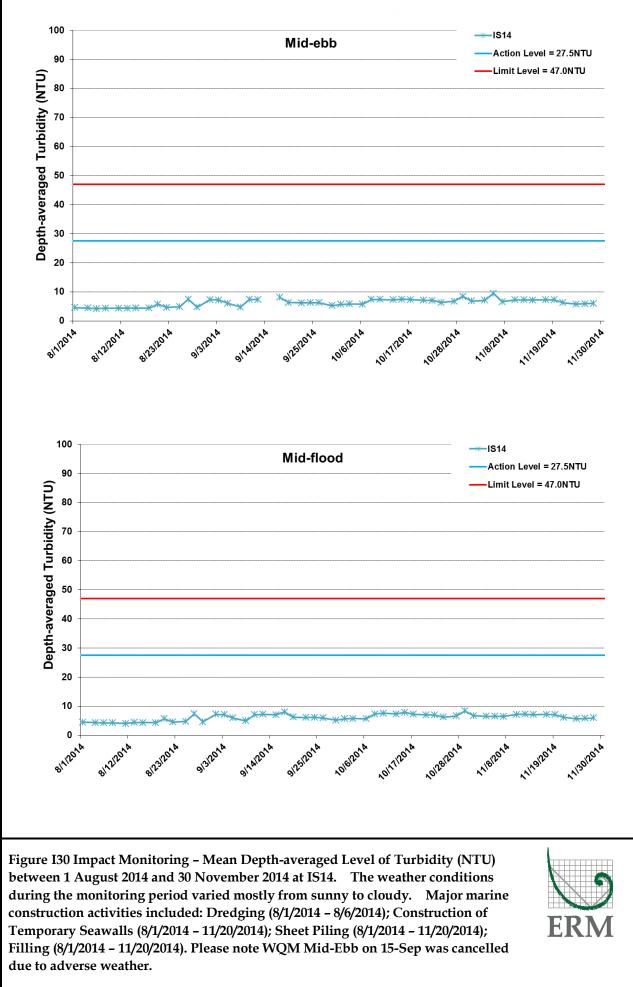


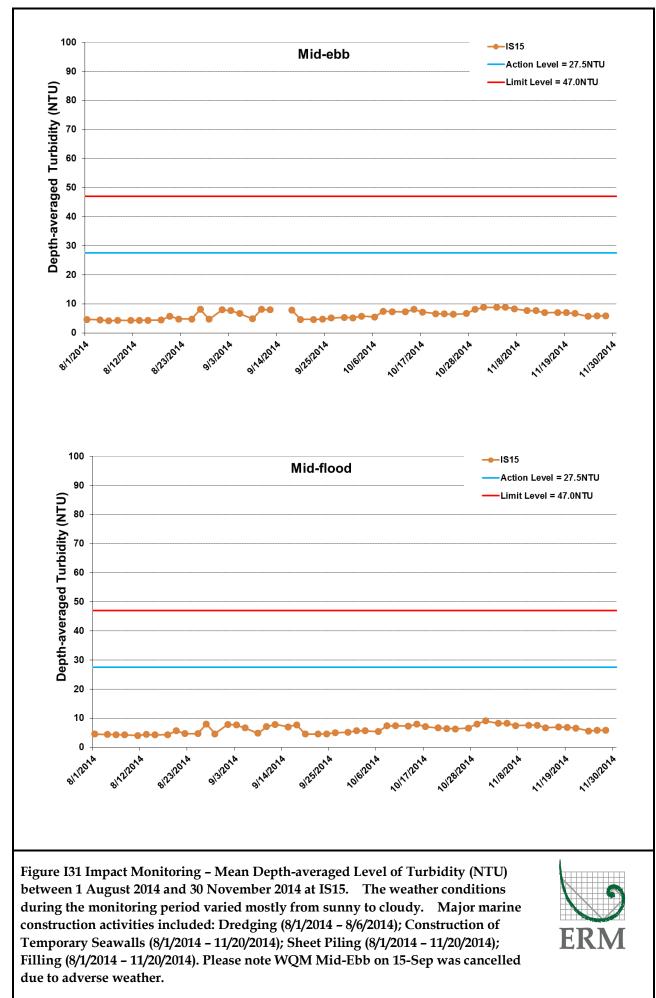


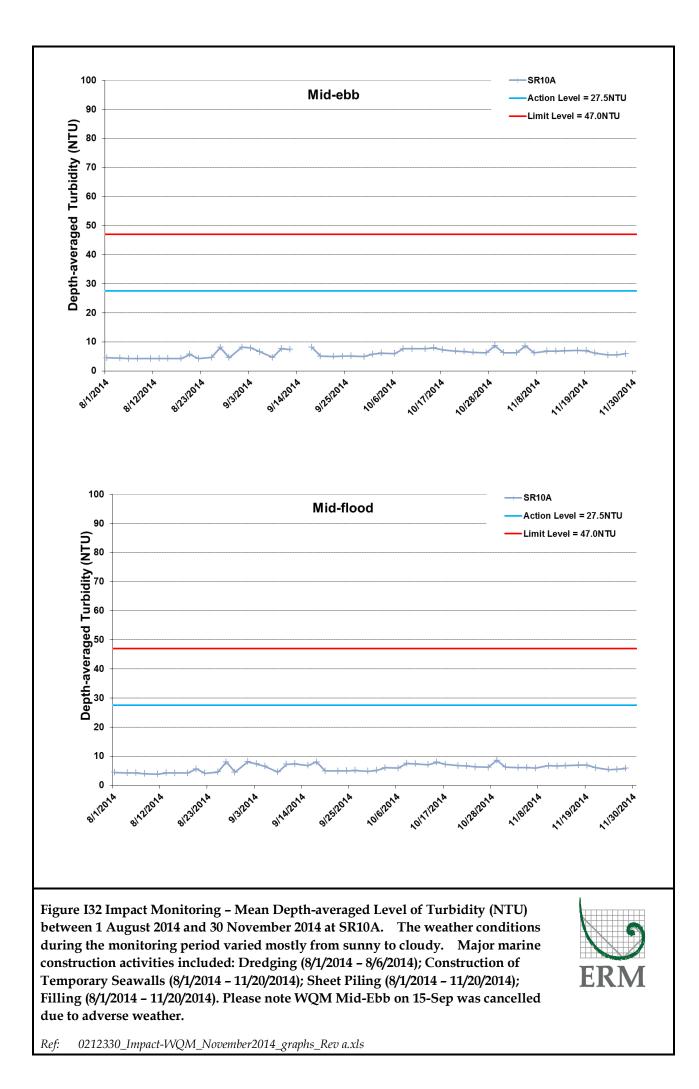


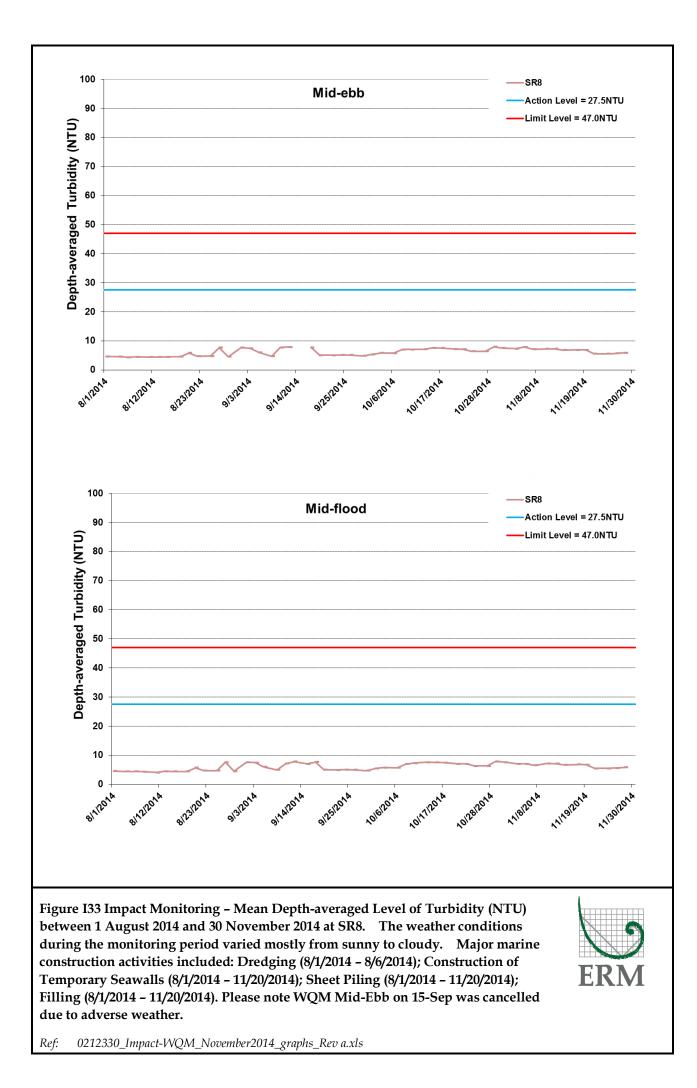


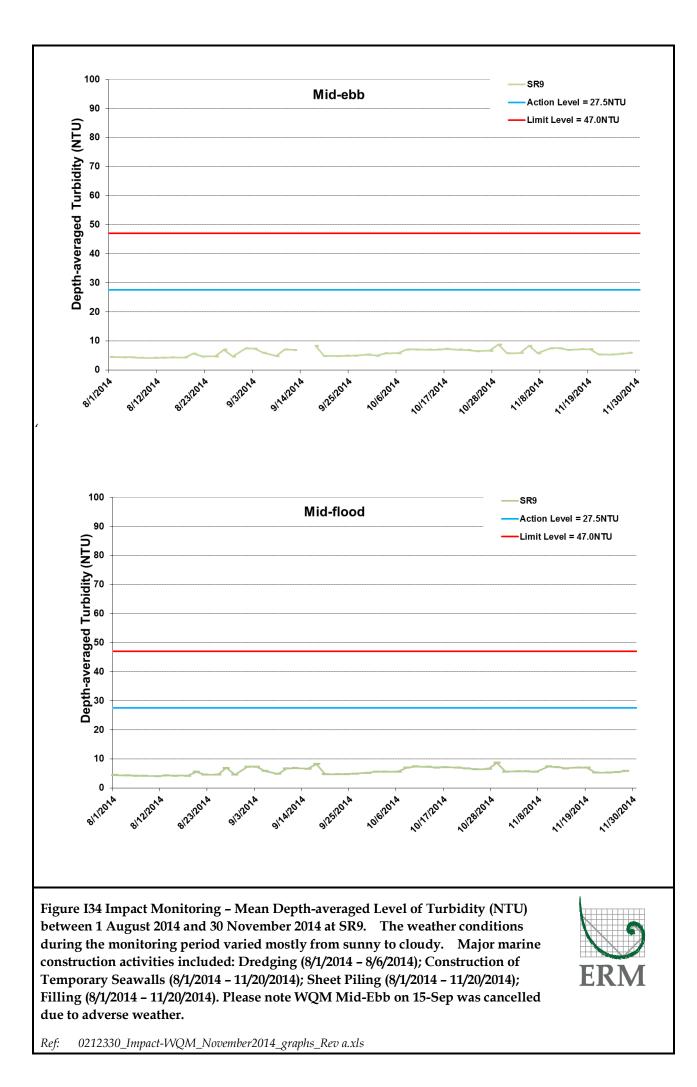


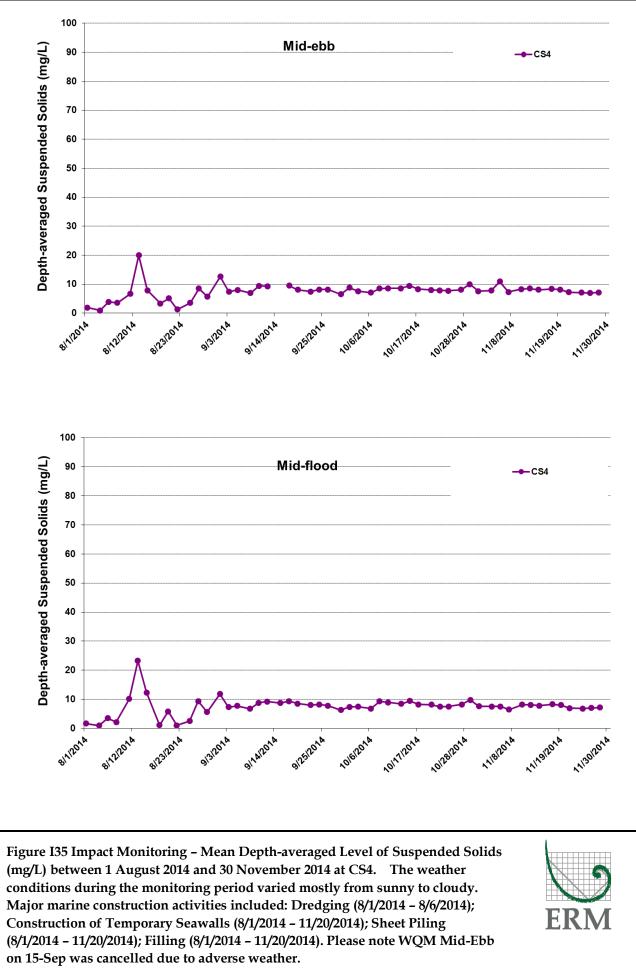


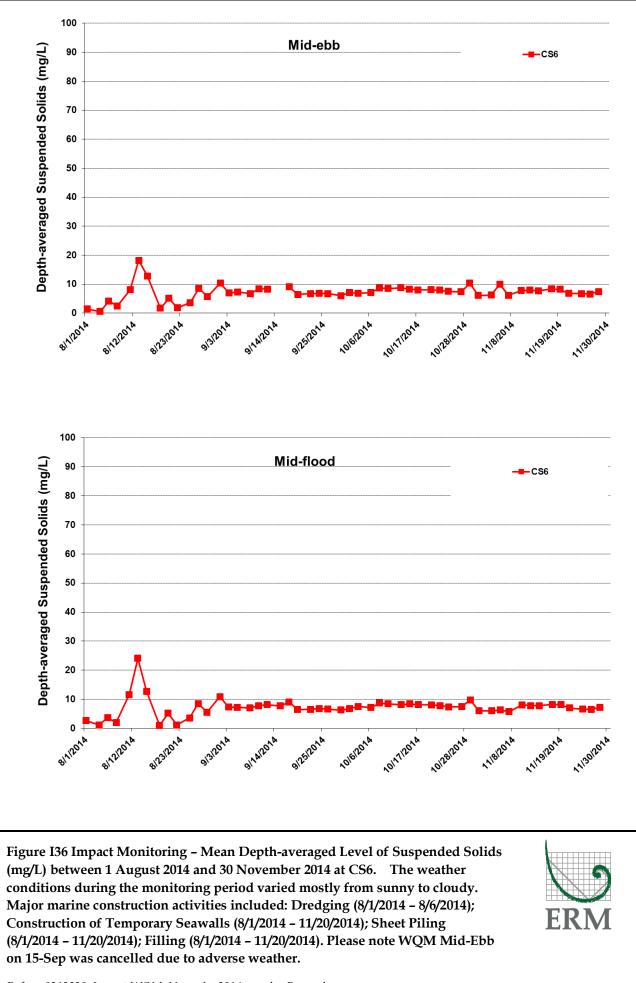


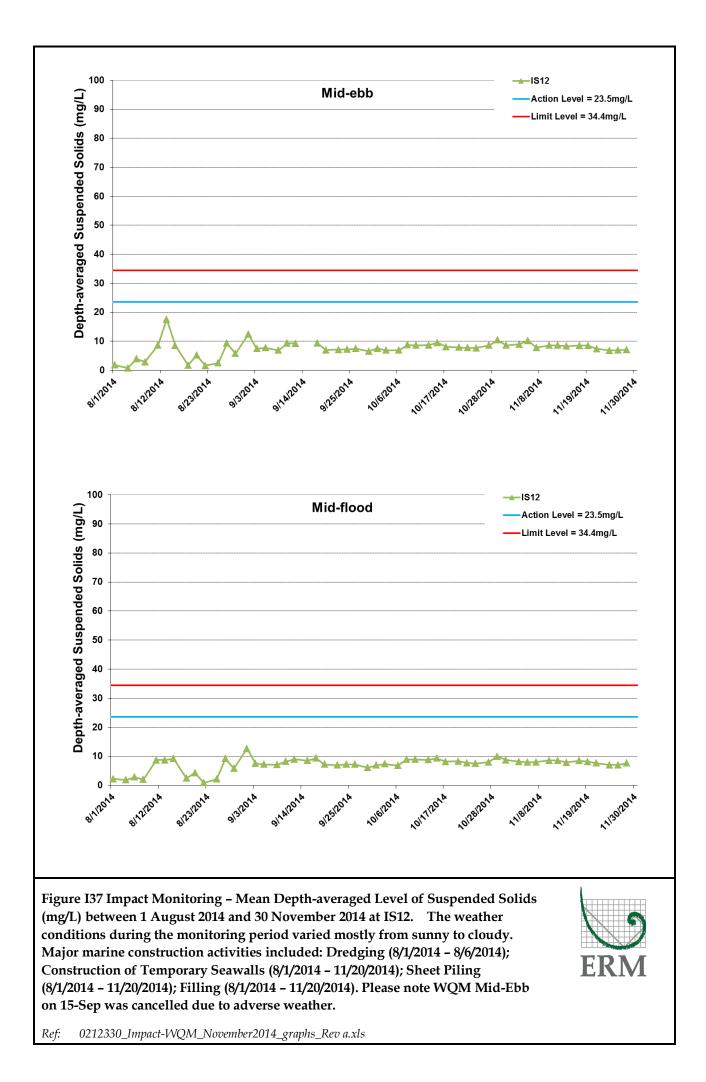


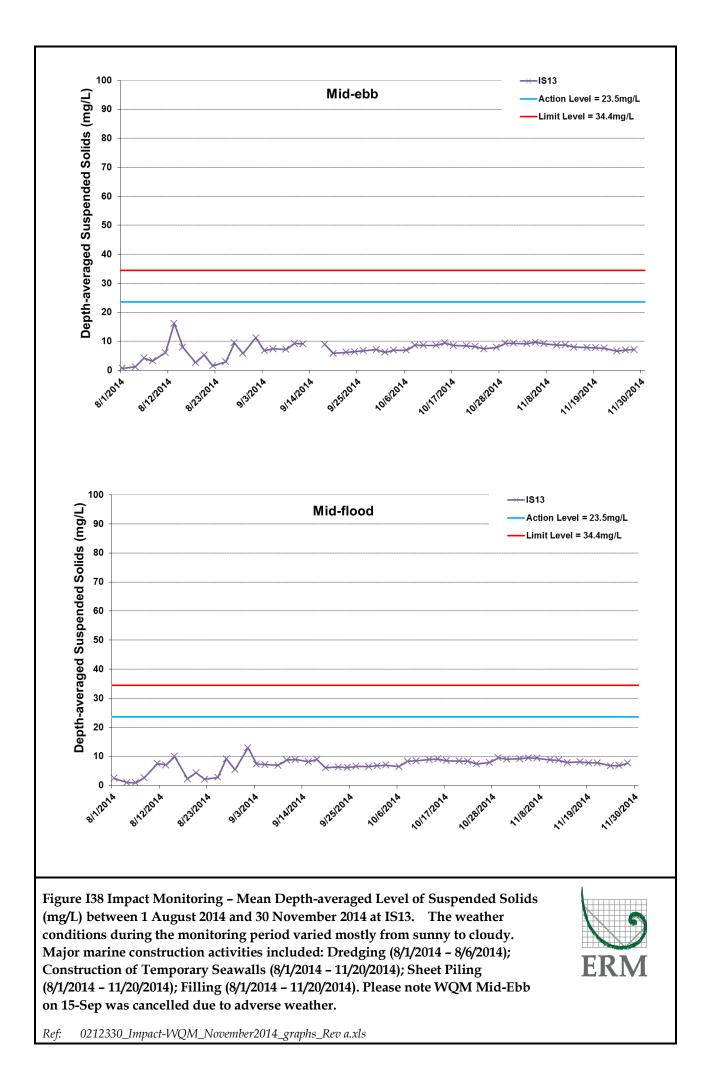


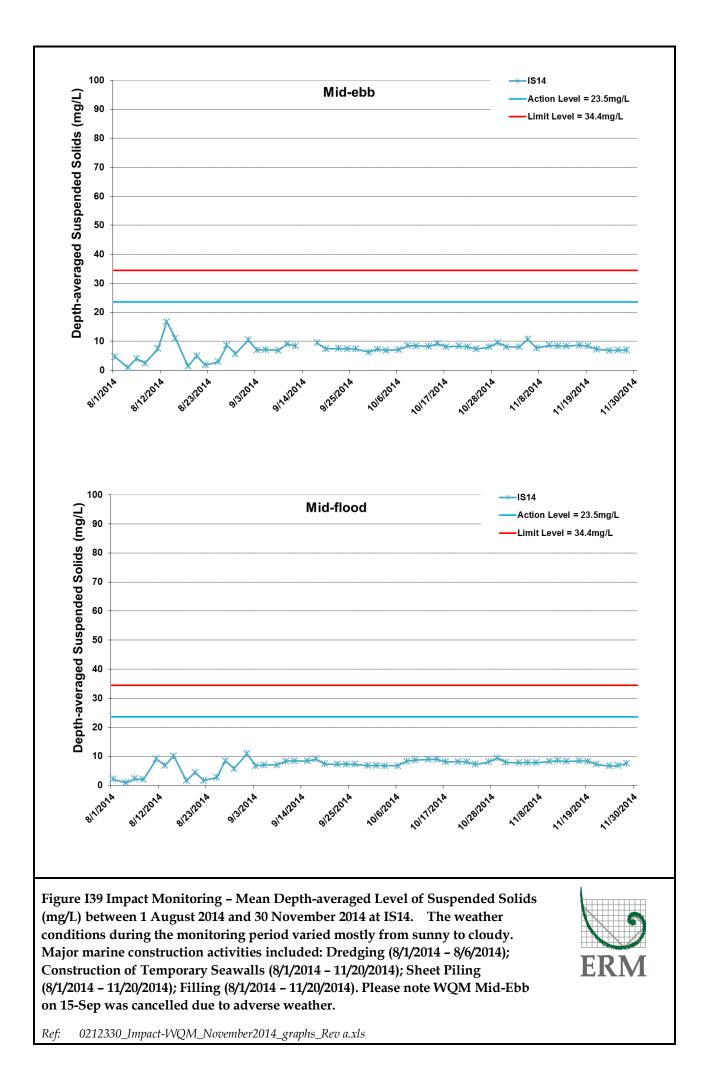


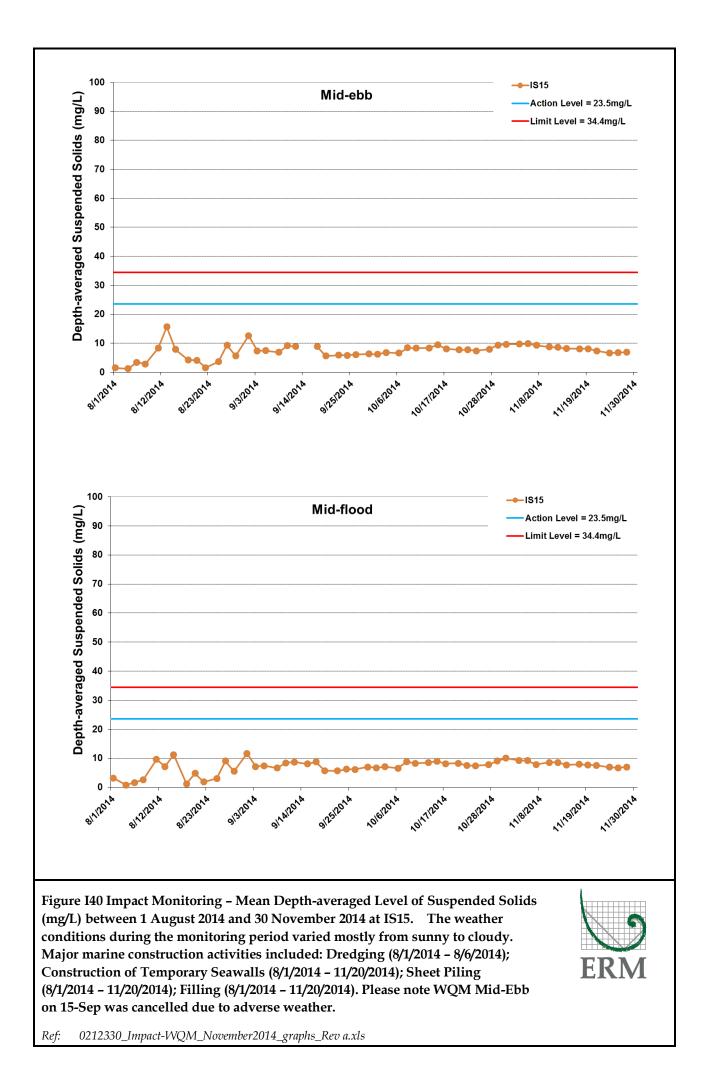


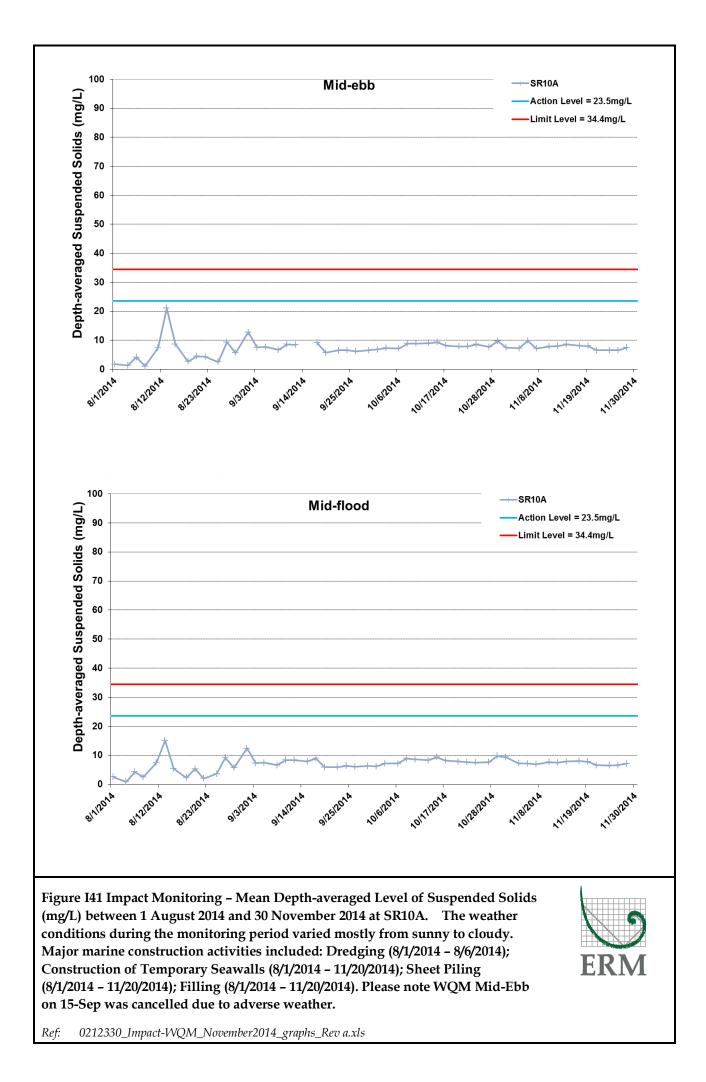


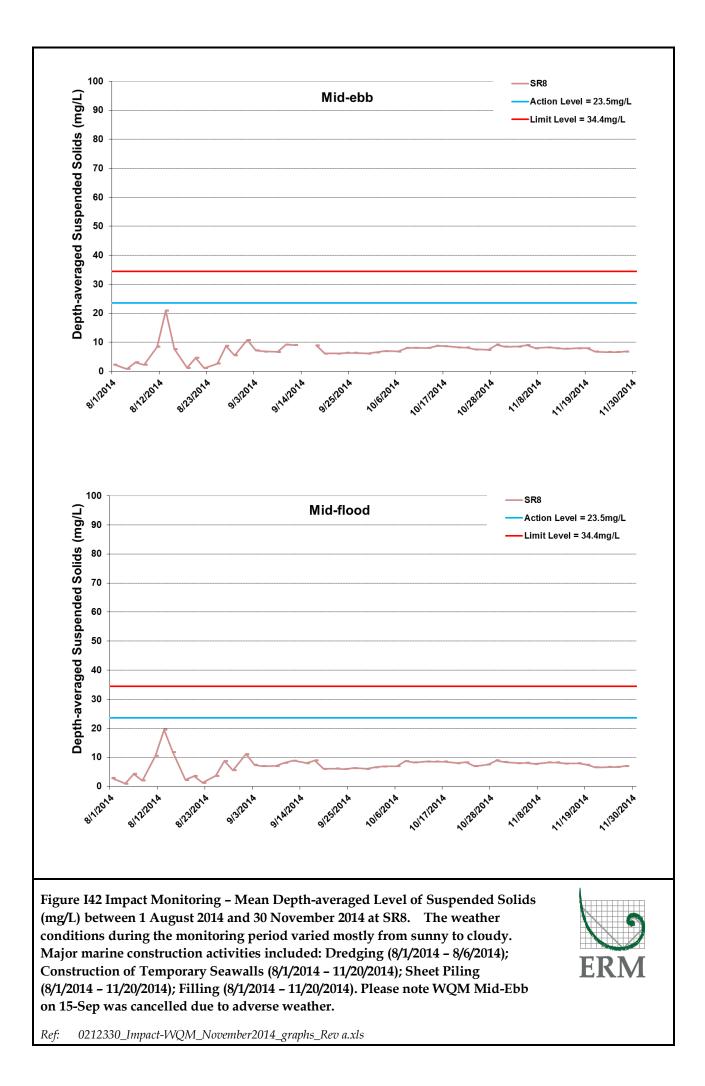


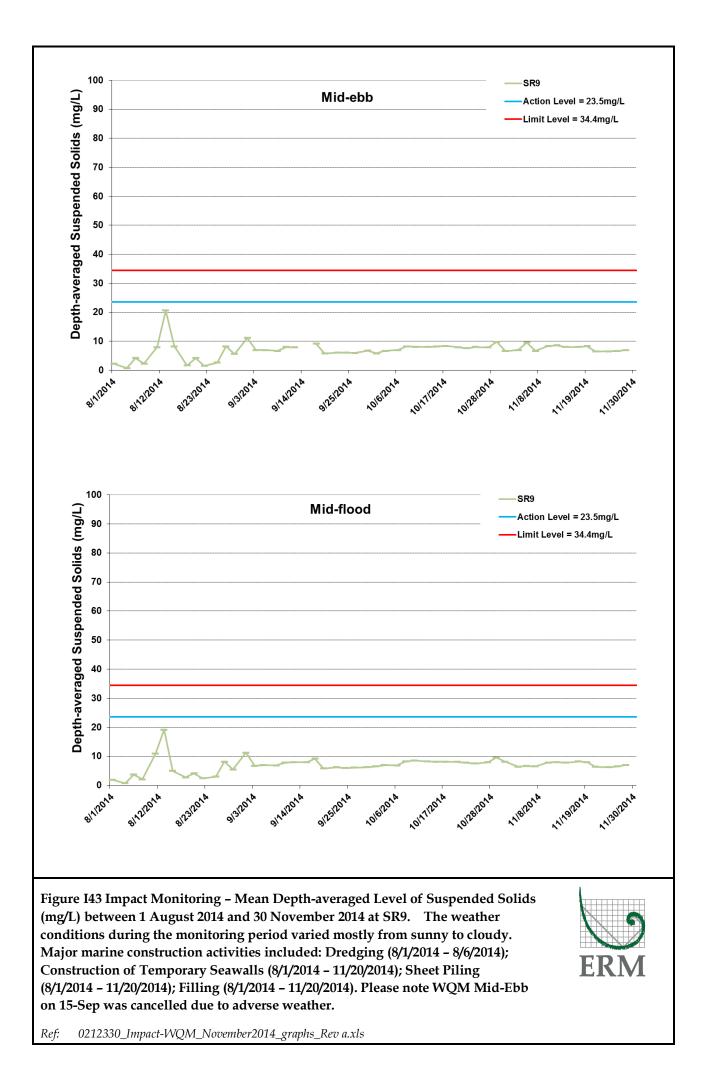












Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	CS4	Surface	1	1	1	17:25	26.6	7.58	27	6.35	5.72	6.8
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	CS4	Surface	1	1	2	17:25	26.7	7.6	27.1	6.38	5.7	7
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	CS4	Middle	9.8	2	1	17:25	26.8	7.64	27.2	6.24	6.94	7.9
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	CS4	Middle	9.8	2	2	17:25	26.9	7.66	27.3	6.22	6.92	8.2
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	18.5	3	1	17:25	27	7.71	27.4	6.51	6.21	7.4
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	18.5	3	2	17:25	27.1	7.73	27.5	6.53	6.19	7.7
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	1	14:43	26.5	7.74	27	6.92	4.76	5.8
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	2	14:43	26.6	7.72	27.1	6.94	4.74	5.4
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	CS6	Middle	7	2	1	14:43	26.7	7.68	27.2	6.35	4.93	6.2
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	CS6	Middle	7	2	2	14:43	26.8	7.7	27.2	6.33	4.95	6.5
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	CS6	Bottom	12.9	3	1	14:43	27	7.72	27.3	6.52	5.13	6.2
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	CS6	Bottom	12.9	3	2	14:43	27.1	7.74	27.4	6.5	5.15	6.1
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	IS12	Surface	1	1	1	16:40	26.6	7.71	27	7.31	6.43	7.7
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	IS12	Surface	1	1	2	16:40	26.5	7.73	26.9	7.34	6.41	7.8
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	IS12	Middle	7.3	2	1	16:40	26.7	7.65	27.1	7.11	6.68	7.9
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	IS12	Middle	7.3	2	2	16:40	26.7	7.67	27.2	7.09	6.7	8.4
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	13.5	3	1	16:40	26.9	7.84	27.4	6.99	7.03	8.6
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	13.5	3	2	16:40	27	7.86	27.4	6.97	7.05	8.7
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	1	16:20	26.5	7.64	27.1	6.99	8.13	9.2
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	2	16:20	26.5	7.66	27.2	7.01	8.11	9.5
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	IS13	Middle	5.6	2	1	16:20	26.6	7.73	27.3	7.13	7.82	8.8
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	IS13	Middle	5.6	2	2	16:20	26.7	7.71	27.4	7.15	7.8	8.4
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	10.1	3	1	16:20	26.8	7.8	27.5	7.03	8.25	9.6
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	10.1	3	2	16:20	26.9	7.82	27.6	7.05	8.27	9.4
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	1	17:00	26.4	7.63	27.1	6.26	5.41	6.2
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	2	17:00	26.5	7.65	27.2	6.24	5.39	6.8
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	IS14	Middle	6.1	2	1	17:00	26.6	7.73	27.3	6.14	7.06	8.2
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	IS14	Middle	6.1	2	2	17:00	26.7	7.75	27.4	6.16	7.08	8.7
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	11.2	3	1	17:00	26.8	7.83	27.5	6.47	7.15	8.3
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	11.2	3	2	17:00	26.9	7.81	27.6	6.5	7.17	8.6
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	1	16:00	26.4	7.73	27	7.11	8.13	9
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	2	16:00	26.5	7.75	27.1	7.13	8.1	9.5
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	IS15	Middle	5.5	2	1	16:00	26.6	7.61	27.2	7.25	7.95	8.8
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	IS15	Middle	5.5	2	2	16:00	26.7	7.63	27.3	7.27	7.97	9.2
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	9.9	3	1	16:00	26.8	7.85	27.4	7.2	8.65	9.6
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	9.9	3	2	16:00	26.9	7.87	27.5	7.18	8.67	9.4
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	1	15:28	26.8		27	6.38	6.15	6.8
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	2	15:28	26.9	7.61	27.1	6.4	6.17	7.1
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	1	15:28						
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	2	15:28						
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	SR8		4.5	3	1	15:28	27.1	7.68	27.3	6.17	7.94	9
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy		SR8		4.5	3	2	15:28	27.1	_	27.3	6.15	7.92	9.2
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	1	15:43	26.6		27.1	6.48	5.92	6.8
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	2	15:43	26.7	_	27.2	6.5	5.94	6.8
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy		SR9	Middle		2	1	15:43						
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy		SR9	Middle		2	2	15:43						
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	SR9	1	4.5	3	1	15:43	26.8	7.72	27.3	6.13	5.44	6.2
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy		SR9	1	4.5	3	2	15:43	26.9	7.7	27.3	6.11	5.42	6.1
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	1	15:08	26.6	7.77	27	6.14	4.73	5.8
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	2	15:08	26.7		27.1	6.16	4.71	5.4
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	7.9	2	1	15:08	26.8		27.1	6.03	6.58	7.8
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	7.9	2	2	15:08	26.9		27.2	6.01	6.6	7.6
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	14.8	3	1	15:08	27		27.4	5.99	6.99	8.2
TMCLKL	HY/2012/08	2014-11-03	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	14.8	3	2	15:08	26.9	_	27.4	6	6.97	8.5
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		CS4	Surface	1	1	1	08:05	26.8	-	24.9	7.32	5.94	6.8
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		CS4	Surface	1	1	2	08:05	26.9	-	25	7.28	6.02	7.2
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		CS4		9.6	2	1	08:05	26.9	_	27	6.63	7.72	8.8
	HY/2012/08		Mid-Ebb	Cloudy	Small Wave		Middle		2	2	08:05		8.11		6.66	7.81	8.6
		1-0.1.1.00				1-21		10.0	,	ļ	100.00	1-0.0	1	1=	12.2.2	1	

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		CS4	Bottom	18.2	3	1	08:05	26.8	8.12	27.1	6.81	6.54	7.8
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		CS4	Bottom	18.2	3	2	08:05	26.9	8.13	27.2	6.83	6.62	7.5
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy	Small Wave	CS6	Surface	1	1	1	10:15	26.7	8.04	27.2	6.72	4.86	5.8
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy	Small Wave	CS6	Surface	1	1	2	10:15	26.7	8.05	27.1	6.77	4.75	5.4
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy	Small Wave	CS6	Middle	6.8	2	1	10:15	26.8	8.07	27.5	6.28	5.06	6.2
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy	Small Wave	CS6	Middle	6.8	2	2	10:15	26.9	8.08	27.6	6.24	5.12	6.5
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy	Small Wave	CS6	Bottom	12.6	3	1	10:15	27	8.09	27.7	6.41	5.43	6.6
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy	Small Wave	CS6	Bottom	12.6	3	2	10:15	27	8.1	27.8	6.43	5.52	6.8
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		IS12	Surface	1	1	1	08:42	26.7	8.11	27.4	7.26	6.73	7.9
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		IS12	Surface	1	1	2	08:42	26.8	8.1	27.5	7.29	6.67	8.1
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		IS12	Middle	7.1	2	1	08:42	26.8	8.12	27.8	7.08	8.15	9.5
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		IS12	Middle	7.1	2	2	08:42	26.8	8.13	27.9	7.04	8.24	9.4
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		IS12	Bottom	13.2	3	1	08:42	26.8	8.14	28.1	6.98	8.38	9.6
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		IS12	Bottom	13.2	3	2	08:42	26.9	8.15	28.1	6.95	8.33	9.1
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		IS13	Surface	1	1	1	09:01	26.9	8.1	27.7	6.87	8.27	9.1
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		IS13	Surface	1	1	2	09:01	26.9	8.11	27.8	6.9	8.21	8.8
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		IS13	Middle	5.4	2	1	09:01	26.9	8.11	28	6.97	7.94	8.6
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		IS13	Middle	5.4	2	2	09:01	27	8.12	28.1	7	8	9
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		IS13	Bottom	9.8	3	1	09:01	27	8.14	28.2	6.85	8.48	9.5
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		IS13	Bottom	9.8	3	2	09:01	27.1	8.15	28.2	6.82	8.55	9.7
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		IS14	Surface	1	1	1	08:24	26.7	8.11	27.1	6.08	5.66	6.8
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		IS14	Surface	1	1	2	08:24	26.7	8.12	27	6.12	5.71	6.7
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy	Small Wave	IS14	Middle	6	2	1	08:24	26.7	8.08	27.6	6.04	8.68	9.5
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy	Small Wave	IS14	Middle	6	2	2	08:24	26.8	8.09	27.7	6	8.74	9.2
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy	Small Wave	IS14	Bottom	11	3	1	08:24	26.8	8.12	27.9	6.22	6.81	7.8
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy	Small Wave	IS14	Bottom	11	3	2	08:24	26.8	8.13	27.9	6.25	6.88	8.2
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy	Small Wave	IS15	Surface	1	1	1	09:19	26.8	8.15	28.1	6.95	8.37	9.2
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy	Small Wave	IS15	Surface	1	1	2	09:19	26.9	8.14	28.1	6.98	8.42	9.5
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy	Small Wave	IS15	Middle	5.3	2	1	09:19	26.9	8.16	28.2	7.13	8.08	9.2
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy	Small Wave	IS15	Middle	5.3	2	2	09:19	26.9	8.16	28.2	7.11	8.15	9.4
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy	Small Wave	IS15	Bottom	9.6	3	1	09:19	27		28.2	7.18	9.75	10.8
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		IS15	Bottom	9.6	3	2	09:19	27	8.15	28.3	7.21	9.81	10.4
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		SR8	Surface	1	1	1	09:54	26.8	8.09	27.7	6.19	6.34	7.4
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		SR8	Surface	1	1	2	09:54	26.7	8.1	27.8	6.15	6.27	7.8
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		SR8	Middle		2	1	09:54						
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		SR8	Middle		2	2	09:54						
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		SR8	Bottom	4.2	3	1	09:54	26.8		27.9	6.06	8.24	9.2
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		SR8	Bottom	4.2	3	2	09:54	26.9		28	6.02	8.31	9.7
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		SR9	Surface	1	1	1	09:37	26.8	8.1	28	6.31	6.07	7.2
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		SR9	Surface	1	1	2	09:37	26.8	8.11	28	6.28	6.14	7.3
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		SR9	Middle		2	1	09:37						
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		SR9	Middle		2	2	09:37						
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		SR9	Bottom	4.2	3	1	09:37	26.9	8.12		6.09	5.55	6.4
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		SR9	Bottom	4.2	3	2	09:37	27	_	28.1	6.11	5.61	6.8
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		SR10A	Surface	1	1	1	10:42	26.6		28.1	5.97	4.87	5.8
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		SR10A	Surface	1	1	2	10:42	26.7		28	6.01	4.94	5.4
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	7.7	2	1	10:42	26.6	8.1	28.3	5.88	6.72	7.8
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		SR10A	Middle	7.7	2	2	10:42	26.7		28.4	5.85	6.78	7.6
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		SR10A	Bottom	14.4	3	1	10:42	26.8		28.6	5.92	7.06	8.2
TMCLKL	HY/2012/08	2014-11-03	Mid-Ebb	Cloudy		SR10A	Bottom	14.4	3	2	10:42	26.8	8.13		5.9	7.11	8.5
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy		CS4	Surface	1	1	1	18:37	26.7	-	27.1	6.39	5.71	6.8
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy		CS4	Surface	1	1	2	18:37	26.7		27.1	6.35	5.74	7.2
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy		CS4	Middle	9.7	2	1	18:37	26.9	_	27.4	6.24	6.91	7.8
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy		CS4		9.7	2	2	18:37	26.9		27.2	6.23	6.94	8.1
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy		CS4		8.4	3	1	18:37	27.2	_	27.5	6.54	6.2	7.5
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy		CS4		8.4	3	2	18:37	27.1		27.4	6.51	6.23	7.7
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy		CS6	Surface	1	1	1	15:51	26.6		27.1	6.91	4.75	5.4
ITMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	2	15:51	26.5	7.71	27	6.93	4.75	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	2014-11-05	Mid-Flood	Cloudy	Small Wave	CS6	Middle	7	2	1	15:51	26.8	7.7	27.2	6.34	4.95	6.2
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	CS6	Middle	7	2	2	15:51	26.7	7.69	27.1	6.33	4.94	6.5
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	CS6	Bottom	13	3	1	15:51	27.1	7.73	27.4	6.51	5.16	6.9
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	CS6	Bottom	13	3	2	15:51	27	7.72	27.3	6.53	5.14	7
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	IS12	Surface	1	1	1	17:57	26.5	7.73	26.9	7.35	6.4	7.6
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	IS12	Surface	1	1	2	17:57	26.6	7.72	27	7.33	6.42	7.7
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	IS12	Middle	7.3	2	1	17:57	26.6	7.66	27.1	7.1	6.72	8
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	IS12	Middle	7.3	2	2	17:57	26.7	7.67	27.1	7.12	6.69	7.5
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	13.6	3	1	17:57	27	7.88	27.5	6.98	7.06	8.2
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	13.6	3	2	17:57	27	7.85	27.3	7	7.02	8.6
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	1	17:37	26.5	7.65	27.2	6.98	8.12	9.5
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	2	17:37	26.4	7.64	27.2	7	8.13	9.2
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	IS13	Middle	5.6	2	1	17:37	26.7	7.72	27.4	7.14	7.8	8.9
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	IS13	Middle	5.6	2	2	17:37	26.7	7.73	27.3	7.13	7.82	9.1
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	10.2	3	1	17:37	26.9		27.6	7.05	8.27	9.8
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	10.2	3	2	17:37	26.8	7.81	27.7	7.02	8.24	10.1
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	1	18:17	26.5	7.66	27.2	6.25	5.4	6.6
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	2	18:17	26.5	7.64	27.2	6.27	5.41	6.8
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	IS14	Middle	6.1	2	1	18:17	26.6	7.76	27.5	6.17	7.09	8.5
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	IS14	Middle	6.1	2	2	18:17	26.7	7.74	27.3	6.13	7.05	8.1
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	11.2	3	1	18:17	27		27.5	6.51	7.18	8.6
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	11.2	3	2	18:17	26.9	7.85	27.5	6.48	7.14	8.7
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	1	17:17	26.5	7.74	27.1	7.12	8.12	9.2
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	2	17:17	26.4	7.74	27.1	7.11	8.11	9.3
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	IS15	Middle	5.5	2	1	17:17	26.7	7.6	27.3	7.26	7.98	8.8
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	IS15	Middle	5.5	2	2	17:17	26.7	7.63	27.2	7.27	7.96	8.7
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	10	3	1	17:17	26.9		27.5	7.19	8.68	9.7
TMCLKL	HY/2012/08		Mid-Flood	Cloudy		IS15	Bottom	10	3	2	17:17	26.9		27.5	7.21	8.64	9.5
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy		SR8	Surface	1	1	1	16:38	26.9	1	27.1	6.39	6.17	7.3
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy		SR8	Surface	1	1	2	16:38	26.7	7.64	27.1	6.41	6.16	7.7
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy		SR8	Middle		2	1	16:38						
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy		SR8	Middle		2	2	16:38						
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy		SR8	Bottom	4.6	3	1	16:38	27.1		27.3	6.14	7.93	8.7
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy		SR8	Bottom	4.6	3	2	16:38	27		27.4	6.16	7.93	8.5
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy		SR9	Surface	1	1	1	16:58	26.7		27.2	6.49	5.93	6.8
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy		SR9	Surface	1	1	2	16:58	26.7	7.66	27.2	6.51	5.92	6.5
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy		SR9	Middle		2	1	16:58						
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy		SR9	Middle		2	2	16:58						
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy		SR9	Bottom	4.6	3	1	16:58	26.9	7.7	27.3	6.12	5.41	6.6
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy		SR9	Bottom	4.6	3	2	16:58	26.9		27.2	6.13	5.43	6.9
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy		SR10A	Surface	1	1	1	16:17	26.6		27.1	6.16	4.72	5.6
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy		SR10A	Surface	1	1	2	16:17	26.7		27.1	6.15	4.7	5.8
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	7.9	2	1	16:17	26.9		27.2	6.02	6.61	7.5
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy		SR10A	Middle	7.9	2	2	16:17	26.8		27.2	6.02	6.59	7.7
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	14.8	3	1	16:17	27.1	7.65		6.01	6.98	8.2
TMCLKL	HY/2012/08	2014-11-05	Mid-Flood	Cloudy		SR10A	Bottom	14.8	3	2	16:17	27		27.3	5.98	6.96	8.1
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		CS4	Surface	1	1	1	09:44	26.6	7.7	27.1	5.38	8.02	9.2
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		CS4	Surface	1	1	2	09:44	26.6		27.2	5.4	7.9	9.5
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		CS4	Middle	9.3	2	1	09:44	26.4		27.4	5.09	9.31	10.5
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		CS4	Middle	9.3	2	2	09:44	26.2		27.4	5.07	9.42	10.7
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		CS4	Bottom	17.6	3	1	09:44	25.9		27.8	4.8	11.72	12.6
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		CS4	Bottom	17.6	3	2	09:44	25.8		27.9	4.77	11.5	12.9
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		CS6	Surface	1	1	1	12:25	26.6		27.3	5.37	7.61	8.6
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		CS6	Surface	1	1	2	12:25	26.6		27.3	5.4	7.6	8.9
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		CS6	Middle	6.6	2	1	12:25	26.2		27.5	5.12	8.37	9.6
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		CS6	Middle	6.6	2	2	12:25	26.2		27.5	5.13	8.42	9.5
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		CS6	Bottom	12.2	3	1	12:25	25.9		27.7	4.77	10.12	11.5
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine	Small Wave	CS6	Bottom	12.2	3	2	12:25	25.9	7.76	27.7	4.76	10.21	11.7

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	2014-11-05	Mid-Ebb	Fine	Small Wave	IS12	Surface	1	1	1	10:25	26.6	7.6	27.1	5.46	7.69	8.5
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine	Small Wave	IS12	Surface	1	1	2	10:25	26.6	7.7	27.1	5.38	8	8.4
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine	Small Wave	IS12	Middle	7.1	2	1	10:25	26.4	7.66	27.3	5.17	8.93	9.7
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine	Small Wave	IS12	Middle	7.1	2	2	10:25	26.3	7.69	27.3	5.1	9.03	10.2
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine	Small Wave	IS12	Bottom	13.2	3	1	10:25	25.9	7.79	27.7	4.77	10.71	12.5
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine	Small Wave	IS12	Bottom	13.2	3	2	10:25	26	7.76	27.7	4.8	10.77	11.9
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine	Small Wave	IS13	Surface	1	1	1	10:45	26.6	7.69	27.1	5.44	6.96	8.2
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		IS13	Surface	1	1	2	10:45	26.6		27.1	5.4	7.31	8.7
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine	Small Wave	IS13	Middle	5.4	2	1	10:45	26.2		27.4	5.12	8.2	9.6
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		IS13	Middle	5.4	2	2	10:45	26.3	_	27.4	5.08	8.06	9.5
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		IS13	Bottom	9.8	3	1	10:45	25.9		27.7	4.79	9.97	10.8
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		IS13	Bottom	9.8	3	2	10:45	25.9	-	27.9	4.86	9.83	11.2
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		IS14	Surface	1	1	1	10:20	26.7	-	27.2	5.4	7.81	8.8
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		IS14	Surface	1	1	2	10:20	26.6	_	27.2	5.3	7.8	9.2
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		IS14	Middle	5.8	2	1	10:20	26.4	_	27.4	5.1	9.24	10.6
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		IS14	Middle	5.8	2	2	10:20	26.3		27.4	5.08	9.26	10.5
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		IS14	Bottom	10.6	3	1	10:20	25.9	_	27.8	4.76	11.04	12.5
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		IS14	Bottom	10.6	3	2	10:20	26	_	27.6	4.7	11.32	12.6
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		IS15	Surface	1	1	1	11:05	26.7		27.2	5.33	7.3	7.4
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		IS15	Surface	1	1	2	11:05	26.6		27.1	5.39	7.5	7.7
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		IS15	Middle	5.2	2	1	11:05	26.3	7.7	27.6	5.07	9.06	10.3
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		IS15	Middle	5.2	2	2	11:05	26.3	-	27.5	5	8.56	10.6
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine	Small Wave	IS15	Bottom	9.3	3	1	11:05	25.9	7.7	27.9	4.73	10.31	11.5
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		IS15	Bottom	9.3	3	2	11:05	26	-	27.8	4.76	10.56	11.6
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		SR8	Surface	1	1	1	11:45	26.7	7.69	27.1	5.4	7.21	8.2
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		SR8	Surface	1	1	2	11:45	26.7	7.63	27.1	5.44	7.33	8.5
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		SR8	Middle		2	1	11:45						
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		SR8	Middle		2	2	11:45						
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		SR8	Bottom	4.1	3	1	11:45	26.4	7.7	27.4	4.96	8.66	9.6
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		SR8	Bottom	4.1	3	2	11:45	26.3	_	27.3	4.99	8.37	9.8
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		SR9	Surface	1	1	1	11:25	26.6		27.3	5.4	7.33	8.3
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		SR9	Surface	1	1	2	11:25	26.7	7.62	27.2	5.46	7	8.6
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		SR9	Middle		2	1	11:25						
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		SR9	Middle		2	2	11:25						
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		SR9	1	4.1	3	1	11:25	26.3	7.66		4.86	9.32	10.6
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		SR9		4.1	3	2	11:25	26.3	-	27.5	4.9	9.52	10.8
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		SR10A	Surface	1	1	1	12:05	26.6		27.2	5.3	7.03	8.2
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine			Surface	1	1	2	12:05	26.7	-	27.2	5.4	7.21	8.6
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		SR10A	Middle	7.6	2	1	12:05	26.3	7.7	27.5	5.06	8.69	9.7
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		SR10A	Middle	7.6	2	2	12:05	26.3		27.5	5.08	8.79	9.4
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		SR10A	Bottom	14.2	3	1	12:05	26		27.6	4.79	9.67	11.5
TMCLKL	HY/2012/08	2014-11-05	Mid-Ebb	Fine		SR10A	Bottom	14.2	3	2	12:05	25.9		27.7	4.8	9.97	11.7
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy		CS4	Surface	1	1		19:39	27	7.8	27.1	6.44	5.54	6.4
	HY/2012/08	2014-11-07	Mid-Flood	Cloudy		CS4	Surface			2	19:39	27	_	27.2	6.46	5.56	6.3
	HY/2012/08	2014-11-07	Mid-Flood	Cloudy		CS4	Middle	9.7	2		19:39	27.1		27.3	6.23	6.52	6.8
	HY/2012/08	2014-11-07	Mid-Flood	Cloudy		CS4	Middle	9.7	2	2	19:39	27.2		27.3	6.25	6.5	6.7
	HY/2012/08	2014-11-07	Mid-Flood	Cloudy		CS4	Bottom	18.3	3		19:39	27.3		27.4	6.57	6.13	6.2
	HY/2012/08	2014-11-07	Mid-Flood	Cloudy		CS4	Bottom	18.3	3	2	19:39	27.4		27.5	6.59	6.15	6.5
	HY/2012/08	2014-11-07	Mid-Flood	Cloudy		CS6	Surface	1	1		16:56	27		27.1	7.02	4.71	5.8
	HY/2012/08	2014-11-07	Mid-Flood	Cloudy		CS6	Surface	7	1	2	16:56	27.1		27.2	6.27	4.69	5.4
	HY/2012/08	2014-11-07	Mid-Flood	Cloudy		CS6	Middle	7	2	2	16:56	27.2	-	27.3	6.37	4.88	5.7
	HY/2012/08	2014-11-07	Mid-Flood	Cloudy		CS6	Middle	10.0	2	2	16:56	27.3		27.3	6.35	4.85	5.6
	HY/2012/08	2014-11-07	Mid-Flood	Cloudy		CS6	Bottom	12.9	3 2		16:56	27.4		27.5	6.54	5.04	6.1
	HY/2012/08	2014-11-07	Mid-Flood	Cloudy			Bottom	12.9	3	2	16:56	27.5	7.8	27.4	6.52	5.06	5.9
	HY/2012/08	2014-11-07	Mid-Flood	Cloudy		IS12	Surface	1	1		18:56	27	7.74	27	7.37	6.33	7.5
	HY/2012/08	2014-11-07	Mid-Flood	Cloudy		IS12	Surface			2	18:56	26.9		27	7.39	6.3	7.4
	HY/2012/08	2014-11-07	Mid-Flood	Cloudy		IS12	Middle	7.2	2		18:56	27.1		27.1	7.11	6.54	7.8
TIVICLKL	HY/2012/08	2014-11-07	IVIIQ-F1000	Cloudy	Small Wave	1512	Middle	1.2	2	2	18:56	27.1	7.84	21.2	7.09	6.56	8.1

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	13.4	3	1	18:56	27.3	7.66	27.4	6.96	7.03	8.5
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	IS12	Bottom	13.4	3	2	18:56	27.2	7.64	27.4	6.98	7.07	8.7
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	1	18:36	27.1	7.73	27	7.03	7.73	8.9
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	IS13	Surface	1	1	2	18:36	27.1	7.75	27	7.01	7.75	9.2
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	IS13	Middle	5.6	2	1	18:36	27.2	7.86	27.2	7.14	7.62	9.5
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	IS13	Middle	5.6	2	2	18:36	27.3	7.84	27.1	7.16	7.6	9.4
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	10.1	3	1	18:36	27.4	7.67	27.3	7	7.82	9.6
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	10.1	3	2	18:36	27.4	7.65	27.4	7.02	7.84	9.7
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	1	19:16	27.1	7.63	27.1	6.24	5.31	6.7
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	2	19:16	27.2	7.65	27.2	6.26	5.29	6.5
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	IS14	Middle	6.1	2	1	19:16	27.3	-	27.3	6.14	7.04	8.5
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	IS14	Middle	6.1	2	2	19:16	27.3	7.7	27.4	6.16	7.06	8.1
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	11.1	3	1	19:16	27.4	7.84	27.5	6.55	7.11	8.6
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	11.1	3	2	19:16	27.5		27.5	6.57	7.13	8.3
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	1	18:16	27	7.63	27.1	7.13	7.63	6.8
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	2	18:16	27.1	-	27.2	7.15	7.61	6.9
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	IS15	Middle	5.5	2	1	18:16	27.2	_	27.3	7.23	6.95	8.1
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	IS15	Middle	5.5	2	2	18:16	27.2	7.7	27.3	7.25	6.93	7.9
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	9.9	3	1	18:16	27.4	7.8	27.4	7.17	7.71	8.6
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	9.9	3	2	18:16	27.3	7.82	27.5	7.19	7.73	8.9
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	1	17:36	26.9	7.76	27.1	6.47	5.92	7.2
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	2	17:36	27	7.78	27.1	6.49	5.94	6.9
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	1	17:36						
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	2	17:36						
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.3	3	1	17:36	27.2		27.3	6.13	7.06	8.2
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.3	3	2	17:36	27.2	7.67	27.4	6.15	7.08	8.5
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	1	17:56	26.9	7.74	27	6.63	5.42	6.6
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy		SR9	Surface	1	1	2		27	7.76	27.1	6.65	5.44	6.7
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	SR9	Middle		2	1	17:56						
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy		SR9	Middle		2	2	17:56						
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	SR9	Bottom	4.5	3	1	17:56	27.2	-	27.2	6.11	5.63	6.6
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy		SR9		4.5	3	2	17:56	27.3	_	27.3	6.13	5.61	6.1
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	1	17:16	27.1		27.1	6.24	4.63	5.4
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	2	17:16	27.2		27	6.26	4.65	5.7
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	7.8	2	1	17:16	27.3		27.2	6.11	6.32	7.3
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	7.8	2	2	17:16	27.3	7.6	27.3	6.09	6.3	7.5
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	14.6	3	1	17:16	27.4		27.4	5.99	6.84	7.8
TMCLKL	HY/2012/08	2014-11-07	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	14.6	3	2	17:16	27.4		27.5	6.01	6.82	8.1
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy	Small Wave	CS4	Surface	1	1	1	11:15	26.8	-	27.2	6.31	5.77	6.8
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		CS4	Surface	1	1	2	11:15	26.8		27.2	6.28	5.8	6.2
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		CS4	Middle	9.5	2	1	11:15	27		27.5	6.18	6.98	7.8
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		CS4	Middle	9.5	2	2	11:15	27	7.7	27.4	6.16	7.01	8.2
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		CS4	Bottom	18	3	1	11:15	27.3	-	27.6	6.48	6.27	7.4
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		CS4	Bottom	18	3	2	11:15	27.3	_	27.6	6.44	6.3	7.5
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		CS6	Surface	1	1	1	14:25	26.7	-	27.2	6.85	4.82	5.6
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		CS6	Surface	1	1	2	14:25	26.7		27.2	6.88	4.83	5.8
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy	Small Wave	CS6	Middle	6.8	2	1	14:25	26.9	-	27.3	6.28	5.02	6.2
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		CS6	Middle	6.8	2	2	14:25	26.9		27.3	6.26	5	6.5
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		CS6	Bottom	12.6	3	1	14:25	27.2		27.5	6.47	5.21	6.4
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		CS6	Bottom	12.6	3	2	14:25	27.2		27.5	6.5	5.19	6.6
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy	Small Wave	IS12	Surface	1	1	1	12:07	26.6	-	27	7.28	6.48	7.2
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		IS12	Surface	1	1	2	12:07	26.7	-	27.1	7.26	6.44	7.3
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		IS12	Middle	7.1	2	1	12:07	26.7	_	27.2	7.04	6.78	8
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		IS12	Middle	7.1	2	2	12:07	26.8		27.3	7.05	6.74	7.6
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		IS12	Bottom	13.2	3	1	12:07	27.1		27.6	6.92	7.12	8.2
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		IS12	Bottom	13.2	3	2	12:07	27.1	7.9	27.5	6.93	7.08	8.5
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy			Surface		1	1	12:30	26.6		27.3	6.92	8.17	9.2
IMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy	Small Wave	11513	Surface	1	1	2	12:30	26.7	7.7	27.3	6.95	8.2	9.5

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	2014-11-07	Mid-Ebb	Cloudy	Small Wave	IS13	Middle	5.4	2	1	12:30	26.8	7.77	27.5	7.08	7.86	8.7
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy	Small Wave	IS13	Middle	5.4	2	2	12:30	26.9	7.76	27.4	7.06	7.87	8.5
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	9.8	3	1	12:30	27	7.88	27.7	6.97	8.33	9.5
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	9.8	3	2	12:30	27	7.87	27.8	6.94	8.3	9.7
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy	Small Wave	IS14	Surface	1	1	1	11:44	26.6	7.73	27.3	6.19	5.45	6.3
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy	Small Wave	IS14	Surface	1	1	2	11:44	26.7	7.71	27.3	6.21	5.47	6.7
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy	Small Wave	IS14	Middle	5.9	2	1	11:44	26.7	7.82	27.5	6.11	7.15	8.2
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy	Small Wave	IS14	Middle	5.9	2	2	11:44	26.8	7.8	27.5	6.07	7.11	7.9
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		IS14	Bottom	10.8	3	1	11:44	27.1	7.88	27.6	6.46	7.24	8.2
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		IS14	Bottom	10.8	3	2	11:44	27	7.9	27.6	6.42	7.2	8.7
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		IS15	Surface	1	1	1	12:53	26.7	7.79	27.2	7.06	8.18	9.5
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		IS15	Surface	1	1	2	12:53	26.6	7.8	27.3	7.05	8.16	9.2
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		IS15	Middle	9.3	2	1	12:53	26.8	7.65	27.4	7.2	8.04	9.2
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		IS15	Middle	9.3	2	2	12:53	26.8	7.69	27.3	7.21	8.01	8.8
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		IS15	Bottom	9.6	3	1	12:53	27	7.94	27.6	7.12	8.74	9.6
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		IS15	Bottom	9.6	3	2	12:53	27	7.92	27.5	7.15	8.71	9.4
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		SR8	Surface	1	1	1	13:39	27	7.66	27.2	6.31	6.23	7.2
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		SR8	Surface	1	1	2	13:39	26.8	7.69	27.2	6.34	6.21	7.7
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		SR8	Middle		2	1	13:39						
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		SR8	Middle		2	2	13:39	1					
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		SR8	Bottom	4.2	3	1	13:39	27.2	_	27.4	6.08	7.99	8.2
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		SR8	Bottom	4.2	3	2	13:39	27.2	7.75	27.6	6.09	7.98	8.6
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		SR9	Surface	1	1	1	13:16	26.8	7.7	27.3	6.43	5.98	6.6
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		SR9	Surface	1	1	2	13:16	26.8	7.72	27.3	6.46	5.96	6.6
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		SR9	Middle		2	1	13:16						
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		SR9	Middle		2	2	13:16						
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		SR9	Bottom	4.2	3	1	13:16		7.75		6.07	5.48	6.7
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		SR9	Bottom	4.2	3	2	13:16	27	7.77	27.4	6.08	5.5	6.8
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy			Surface	1	1	1	14:02	26.7		27.2	6.1	4.78	5.8
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		SR10A	Surface	1	1	2	14:02	26.8		27.3	6.08	4.75	5.2
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		SR10A	Middle	7.7	2	1	14:02	27		27.3	5.97	6.67	7.7
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		SR10A	Middle	7.7	2	2	14:02	27	-	27.4	5.96	6.64	7.5
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		SR10A	Bottom	14.4	3	1	14:02	27.2		27.5	5.96	7.03	8.2
TMCLKL	HY/2012/08	2014-11-07	Mid-Ebb	Cloudy		SR10A	Bottom	14.4	3	2	14:02	27.1		27.5	5.92	7.01	8.6
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy		CS4	Surface	1	1	1	11:15	25.8		26.8	6.24	6.77	7.6
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy		CS4	Surface	1	1	2	11:15	25.8		26.8	6.2	6.71	7.1
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy		CS4	Middle	10.2	2	1	11:15	26.1		27.3	6.01	7.34	8.2
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy		CS4	Middle	10.2	2	2	11:15	26	_	27.3	6.04	7.3	8.7
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy		CS4	Bottom	19.4	3	1	11:15	26.1		27.4	5.86	7.6	8.8
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy		CS4	Bottom	19.4	3	2	11:15	26.2		27.3	5.83	7.64	8.6
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy		CS6	Surface	1	1	1	08:30	25.6	_	27	6.24	6.43	7.2
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy		CS6	Surface	1	1	2	08:30	25.7		26.9	6.2	6.48	7.7
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy		CS6	Middle	7.1	2	1	08:30	25.9		27.3	5.77	6.97	8.1
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy		CS6	Middle	7.1	2	2	08:30	26		27.4	5.73	6.91	8.3
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy		CS6	Bottom	13.2	3	1	08:30	26.1		27.4	5.74	7.23	8.4
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy		CS6	Bottom	13.2	3	2	08:30	26.1		27.5	5.78	7.2	8.7
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy		IS12	Surface	1	1	1	10:37	25.8	_	26.9	6.04	7.29	8.1
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy		IS12	Surface	1	1	2	10:37	25.8		26.8	6.08	7.21	8.3
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy		IS12	Middle	7.4	2	1	10:37	26.1	-	27	5.81	7.48	8.6
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy		IS12	Middle	7.4	2	2	10:37	26.1		27.1	5.83	7.44	8.7
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy		IS12	Bottom	13.8	3	1	10:37	26.2	_	27.3	5.86	7.6	8.8
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy		IS12	Bottom	13.8	3	2	10:37	26.1		27.2	5.82	7.65	8.9
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy		IS13	Surface	1	1	1	10:20	25.7		26.8	6.18	6.98	7.4
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy		IS13	Surface	1	1	2	10:20	25.8		26.9	6.15	6.93	7.6
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy		IS13	Middle	6.2	2	1	10:20	26.1		27.3	5.84	7.9	9.2
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy		IS13	Middle	6.2	2	2	10:20	26.1		27.3	5.79	7.94	9.5
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy		IS13	Bottom	11.4	3	1	10:20	26.2	8.03		5.76	7.92	9.4
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	IS13	Bottom	11.4	3	2	10:20	26.2	8.04	27.4	5.72	7.95	9.5

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	2014-11-10	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	1	10:53	25.8	8.03	26.8	6.11	6.98	7.4
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	IS14	Surface	1	1	2	10:53	25.7	8.04	26.7	6.09	6.95	7.9
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	IS14	Middle	6.9	2	1	10:53	26.1	8.04	27.3	5.91	7.11	8.2
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	IS14	Middle	6.9	2	2	10:53	26.2	8.04	27.2	5.95	7.07	8.4
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	12.8	3	1	10:53	26.2	8.05	27.3	5.74	7.54	8.9
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	IS14	Bottom	12.8	3	2	10:53	26.2	8.04	27.3	5.71	7.5	8.7
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	1	10:00	25.6	8.02	26.9	6.2	7.27	8
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	2	10:00	25.7	8.02	26.9	6.17	7.3	8.3
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	IS15	Middle	5.9	2	1	10:00	26.1	8.03	27.2	5.95	7.84	8.4
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	IS15	Middle	5.9	2	2	10:00	26	8.02	27.3	5.98	7.8	8.6
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	10.8	3	1	10:00	26.1	8.03	27.3	5.9	7.77	8.9
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	10.8	3	2	10:00	26.2	8.03	27.4	5.94	7.75	9.1
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	1	09:29	25.7	8	26.8	6.11	6.54	7.5
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	2	09:29	25.8	8.01	26.7	6.08	6.5	7.4
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	1	09:29						
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	2	09:29						
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.8	3	1	09:29	26	-	27.5	5.84	7.89	9.1
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.8	3	2	09:29	26	8.01	27.4	5.8	7.84	8.8
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	1	09:44	25.7	8.04	26.7	6.15	7.04	6.8
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	2	09:44	25.7	8.03	26.7	6.11	7.08	7.3
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	SR9	Middle		2	1	09:44						
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	SR9	Middle		2	2	09:44						
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	SR9	Bottom	4.6	3	1	09:44	26	8.05	27.1	5.76	7.72	8.6
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	SR9	Bottom	4.6	3	2	09:44	26	8.04	27.2	5.73	7.67	8.9
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	1	09:00	25.7	8.01	26.9	6.34	5.99	6.7
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	2	09:00	25.7	8.01	26.8	6.37	5.91	6.5
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	7.9	2	1	09:00	26.2		27.4	6.02	7.28	8.2
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy		SR10A	Middle	7.9	2	2	09:00	26.1	8.03		6.04	7.22	8.5
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	14.8	3	1	09:00	26.2		27.5	5.9	7.12	8.1
TMCLKL	HY/2012/08	2014-11-10	Mid-Flood	Cloudy		SR10A	Bottom	14.8	3	2	09:00	26.2		27.4	5.94	7.06	7.9
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		CS4	Surface	1	1	1	13:19	25.9		26.9	6.17	6.84	7.6
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		CS4	Surface	1	1	2	13:19	25.9		26.9	6.14	6.8	7.8
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		CS4	Middle	10	2	1	13:19	26.2		27.4	5.95	7.41	8.6
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		CS4	Middle	10	2	2	13:19	26.1		27.4	5.97	7.37	8.8
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		CS4	Bottom	19.6	3	1	13:19	26.3		27.5	5.79	7.65	8.7
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		CS4	Bottom	19.6	3	2	13:19	26.4		27.5	5.77	7.7	8.5
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		CS6	Surface	1	1	1	16:05	25.8		27.1	6.18	6.49	7.2
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		CS6	Surface	1	1	2	16:05	25.8	_	27	6.13	6.54	7
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy	Small Wave	CS6		6.9	2	1	16:05	26	-	27.4	5.7	7.04	8.2
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		CS6	Middle	6.9	2	2	16:05	26.2		27.5	5.68	7.01	7.9
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy	Small Wave	CS6	Bottom	12.8	3	1	16:05	26.2		27.5	5.67	7.29	8.2
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		CS6	Bottom	12.8	3	2	16:05	26.3	-	27.6	5.7	7.27	8.3
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy	Small Wave	IS12	Surface	1	1	1	14:05	25.9	8.07	27	6	7.35	8.5
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		IS12	Surface	1	1	2	14:05	25.9	_	26.9	6.02	7.29	8.6
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		IS12	Middle	7.2	2	1	14:05	26.2	8.07	27.1	5.74	7.54	8.8
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		IS12	Middle	7.2	2	2	14:05	26.3		27.2	5.78	7.5	8.5
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy	Small Wave	IS12	Bottom	13.4	3	1	14:05	26.3		27.4	5.8	7.65	8.4
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		IS12	Bottom	13.4	3	2	14:05	26.2		27.3	5.76	7.7	8.7
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		IS13	Surface	1	1	1	14:25	25.8	_	26.9	6.11	7.05	7.8
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		IS13	Surface	1	1	2	14:25	25.9	_	27	6.09	17.05	8.1
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		IS13	Middle	6	2	1	14:25	26.2	_	27.4	5.77	7.95	8.8
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		IS13	Middle	6	2	2	14:25	26.2	_	27.4	5.74	7.99	8.9
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		IS13	Bottom	11	3	1	14:25	26.3		27.5	5.68	7.98	9.2
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		IS13	Bottom	11	3	2	14:25	26.3	_	27.6	5.65	7.99	9.3
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		IS14	Surface	1	1	1	13:45	25.9		26.9	6.04	7.05	8.2
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		IS14	Surface	1	1	2	13:45	25.9		26.9	6	7.02	8.3
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		IS14		6.7	2	1	13:45	26.2	8.1	27.4	5.86	7.18	8.4
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy	Small Wave	1514	Middle	6./	2	2	13:45	26.3	8.09	27.4	5.89	7.14	8.7

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	2014-11-10	Mid-Ebb	Cloudy		IS14	Bottom	12.4	3	1	13:45	26.3	8.12	27.4	5.67	7.6	9.2
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		IS14	Bottom	12.4	3	2	13:45	26.3	8.11	27.5	5.64	7.57	8.8
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		IS15	Surface	1	1	1	14:45	25.7	8.08	27	6.14	7.33	8.5
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy			Surface	1	1	2	14:45	25.8	8.06	27.1	6.1	7.36	8.7
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy	Small Wave	IS15	Middle	5.7	2	1	14:45	26.2	8.08	27.3	5.88	7.9	8.9
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy	Small Wave	IS15	Middle	5.7	2	2	14:45	26.2	8.06	27.4	5.9	7.87	9.1
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy	Small Wave	IS15	Bottom	10.4	3	1	14:45	26.2	8.09	27.4	5.84	7.83	8.6
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy	Small Wave	IS15	Bottom	10.4	3	2	14:45	26.4	8.08	27.5	5.88	7.81	8.7
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy	Small Wave	SR8	Surface	1	1	1	15:25	25.8	8.05	26.9	6.02	6.6	7.5
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy	Small Wave	SR8	Surface	1	1	2	15:25	25.9	8.07	26.9	6.01	6.57	7.4
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy	Small Wave	SR8	Middle		2	1	15:25						
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		SR8	Middle		2	2	15:25						
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy	Small Wave	SR8	Bottom	4.4	3	1	15:25	26.2	8.05	27.6	5.78	7.94	9.1
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		SR8	Bottom	4.4	3	2	15:25	26.1	8.04	27.5	5.74	7.9	8.8
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy	Small Wave	SR9	Surface	1	1	1	15:05	25.8	8.1	26.8	6.09	7.1	8.2
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy	Small Wave	SR9	Surface	1	1	2	15:05	25.8	8.08	26.8	6.05	7.14	8.2
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		SR9	Middle		2	1	15:05						
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		SR9	Middle		2	2	15:05						
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		SR9		4.2	3	1	15:05	26.2	_	27.2	5.7	7.79	8.7
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		SR9	Bottom	4.2	3	2	15:05	26.1	8.07	27.3	5.67	7.75	8.5
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy			Surface	1	1	1	15:45	25.8	8.08	27	6.28	6.05	7.2
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy			Surface	1	1	2	15:45	25.9	8.07	26.9	6.3	6	7.3
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		SR10A	Middle	7.7	2	1	15:45	26.3	8.07	27.5	5.95	7.34	8.2
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy		SR10A	Middle	7.7	2	2	15:45	26.2	8.09	27.5	5.98	7.29	8.4
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy	Small Wave	SR10A	Bottom	14.4	3	1	15:45	26.3	8.07	27.6	5.84	7.18	8.1
TMCLKL	HY/2012/08	2014-11-10	Mid-Ebb	Cloudy	Small Wave	SR10A	Bottom	14.4	3	2	15:45	26.4	8.04	27.5	5.88	7.12	8.1
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy	Small Wave	CS4	Surface	1	1	1	12:53	25.7	8.04	26.7	6.31	6.69	7.4
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		CS4	Surface	1	1	2	12:53	25.8		26.8	6.28	6.75	7.7
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		CS4	Middle	10.2	2	1	12:53	25.9	_	27.2	6	7.08	7.9
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		CS4	Middle	10.2	2	2	12:53	26		27.1	5.98	7.16	8.2
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		CS4	Bottom	19.4	3	1	12:53	26.2		27.4	5.88	7.63	8.7
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		CS4		19.4	3	2	12:53	26.2		27.5	5.86	7.56	8.4
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		CS6	Surface	1	1	1	10:07	25.4		26.9	6.32	6.24	7.5
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		CS6	Surface	1	1	2	10:07	25.5		27	6.28	6.32	7.7
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		CS6	Middle	7	2	1	10:07	25.8		27.4	5.84	6.86	7.4
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		CS6	Middle	7	2	2	10:07	25.9		27.5	5.81	6.92	7.8
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		CS6	Bottom	13	3	1	10:07	26.1		27.5	5.76	7.08	8
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		CS6	Bottom	13	3	2	10:07	26.1		27.6	5.73	7.14	8.2
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		IS12	Surface	1	1	1	12:10	25.6		26.8	6.18	7.09	8.1
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		IS12	Surface	1	1	2	12:10	25.7		26.9	6.15	7.14	8.3
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		IS12		7.4	2	1	12:10	26.1		27	5.93	7.36	8.7
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		IS12		7.4	2	2	12:10	26.1	_	27.1	5.91	7.41	8.6
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		IS12		13.8	3	1	12:10	26.1	_	27.2	5.86	7.66	8.8
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		IS12		13.8	3	2	12:10	26.2	_	27.3	5.83	7.72	9
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		IS13	Surface	1	1	1	11:48	25.7		26.9	6.21	6.96	7.5
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		IS13	Surface	1	1	2	11:48	25.8		26.9	6.19	7.02	8.2
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		IS13		6.2	2	1	11:48	25.9	_	27.2	6.01	7.78	8.9
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		IS13		6.2	2	2	11:48	26		27.2	5.98	7.84	8.6
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		IS13		11.4	<u>კ</u>		11:48	26.1		27.3	5.87	7.98	9.2
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		IS13		11.4	3	2	11:48	26.2		27.4	5.84	8.03	9.5
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		IS14	Surface	1	1		12:32	25.7	_	26.9	6.24	7.08	8.1
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		IS14	Surface	1	1	2	12:32	25.6	_	27	6.27	/	8.3
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		IS14		6.8	2	1	12:32	26	_	27.1	6.08	7.21	8.4
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		IS14		6.8	2	2	12:32	26.1	_	27.2	6.05	7.27	8.6
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		IS14	Bottom	12.6	<u>న</u>	1	12:32	26.1	_	27.4	5.94	7.48	8.7
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy		IS14		12.6	3	2	12:32	26.1		27.5	5.9	7.54	8.9
TMCLKL		2014-11-12		Cloudy		IS15	Surface	1	1	1	11:28	25.6		26.9	6.27	7.18	8.2
TMCLKL	HY/2012/08	2014-11-12	11/11/0-11/000	Cloudy	Small Wave	1915	Surface	1	1	2	11:28	23.7	8.05	21	6.24	7.24	8.3

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	2014-11-12	Mid-Flood	Cloudy	Small Wave	IS15	Middle	5.9	2	1	11:28	25.8	8.02	27.1	6.06	7.69	8.8
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy	Small Wave	IS15	Middle	5.9	2	2	11:28	25.9	8.03	27.2	6.03	7.73	8.6
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	10.8	3	1	11:28	26.1	8.06	27.4	5.95	7.86	8.9
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	10.8	3	2	11:28	26.2	8.07	27.4	5.92	7.79	8.5
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	1	10:56	25.6	8.02	26.9	6.24	6.42	7.6
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	2	10:56	25.7	8.01	26.9	6.21	6.48	7.7
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	1	10:56						
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	2	10:56			07.4			
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.8	3	1	10:56	25.8		27.4	5.93	7.63	8.8
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.8	3	2	10:56	25.9	8.03	27.4	5.88	7.7	8.9
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	1	11:11	25.7	8.02	26.7	6.18	6.79	7.4
	HY/2012/08	2014-11-12	Mid-Flood	Cloudy	Small Wave	SR9	Surface			2	11:11	25.7	8.03	26.8	6.2	6.84	7.6
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-11-12	Mid-Flood	Cloudy	Small Wave	SR9	Middle Middle		2	1	11:11						
TMCLKL	HY/2012/08	2014-11-12 2014-11-12	Mid-Flood Mid-Flood	Cloudy Cloudy	Small Wave Small Wave	SR9 SR9		4.6	3	2	11:11 11:11	26	8.08	27.1	5.87	7.53	
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy	Small Wave	SR9 SR9		4.6	3	2	11:11	26	8.09	27.2	5.83	7.6	8.4 8.6
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	4.0	1	1	10:32	25.5	8.1	26.8	6.54	5.88	6.7
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	2	10:32	25.6	8.11	26.8	6.51	5.94	6.5
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	7.8	2	1	10:32	25.9	8.1	27.2	6.23	6.74	7.8
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	7.8	2	2	10:32	25.9	8.11	27.3	6.2	6.83	7.7
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	14.6	3	1	10:32	26.1	8.07	27.5	6.08	6.96	8.2
TMCLKL	HY/2012/08	2014-11-12	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	14.6	3	2	10:32	26.2	8.08	27.6	6.04	7.03	8.3
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	CS4	Surface	1	1	1	14:45	25.8	8.07	26.8	6.15	6.82	7.8
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	CS4	Surface	1	1	2	14:45	25.9	8.06	26.9	6.18	6.85	8.3
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	CS4	Middle	10	2	1	14:45	26.2	-	27.4	5.97	7.38	8.7
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	CS4	Middle	10	2	2	14:45	26.2	8.08	27.3	5.96	7.43	8.6
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	CS4	Bottom	18.9	3	1	14:45	26.4	_	27.5	5.79	7.72	8.8
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy		CS4		18.9	3	2	14:45	26.3	_	27.5	5.81	7.68	9
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	CS6	Surface	1	1	1	17:31	25.8	_	27	6.13	6.54	7.4
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	CS6	Surface	1	1	2	17:31	25.9		27.1	6.18	6.49	7.3
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	CS6	Middle	6.9	2	1	17:31	26.2	8.07	27.5	5.69	7.01	8.2
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	CS6	Middle	6.9	2	2	17:31	26.1	8.04	27.5	5.7	7.03	8.3
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	CS6	Bottom	12.7	3	1	17:31	26.3	8.08	27.6	5.7	7.27	8
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	CS6	Bottom	12.7	3	2	17:31	26.3	8.06	27.6	5.68	7.3	8.6
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	IS12	Surface	1	1	1	15:31	25.9	8.09	26.9	6.03	7.3	8.4
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	IS12	Surface	1	1	2	15:31	25.8	8.08	27	6.01	7.36	8.5
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	IS12	Middle	7.2	2	1	15:31	26.3	8.07	27.2	5.79	7.51	8.7
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	IS12	Middle	7.2	2	2	15:31	26.3	8.07	27.2	5.75	7.55	8.8
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	IS12	Bottom	13.4	3	1	15:31	26.3	8.07	27.4	5.77	7.7	8.6
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	IS12	Bottom	13.4	3	2	15:31	26.3	8.1	27.4	5.82	7.65	8.4
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	IS13	Surface	1	1	1	15:51	25.9	-	27	6.1	7.01	8
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	IS13	Surface	1	1	2	15:51	25.9		27	6.12	7.07	8.1
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	IS13		6.1	2	1	15:51	26.2		27.4	5.75	7.99	9
TMCLKL	HY/2012/08		Mid-Ebb	Cloudy	Small Wave	IS13		6.1	2	2	15:51	26.1		27.3	5.78	7.93	8.7
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	11.1	3	1	15:51	26.3		27.6	5.65	7.99	9.1
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	11.1	3	2	15:51	26.3	8.1	27.5	5.69	7.96	9.3
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	IS14	Surface	1	1	1	15:11	25.9		26.9	6.01	7.01	8.1
	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	IS14	Surface			2	15:11	25.9	8.1	26.9	6.05	7.06	8.3
	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	IS14		6.7	2		15:11	26.3	0.1	27.4	5.9	7.12	<u> </u>
	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	IS14		6.7	2	2	15:11	26.3		27.5	5.85	7.18	8.3
	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	IS14	Bottom	12.3	3 2		15:11	26.3	_	27.5	5.66	7.59	8.6
	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	IS14	Bottom	12.3	3	2	15:11	26.4		27.5	5.69	7.63	8.8
	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	IS15	Surface	1	1	2	16:11	25.8		27.1	6.1	7.37	8.4
	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	IS15	Surface	57	2	1	16:11	25.8		27.1	6.13	7.32	8.2 8.6
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-11-12 2014-11-12	Mid-Ebb Mid-Ebb	Cloudy Cloudy	Small Wave Small Wave	IS15 IS15		5.7 5.7	2	2	16:11	26.2 26.2		27.4 27.3	5.91 5.89	7.89 7.91	8.6
TMCLKL	HY/2012/08 HY/2012/08		Mid-Ebb	Cloudy		IS15 IS15		5.7 10.3	2	1	16:11 16:11	26.2	8.08 8.09		5.89	7.8	8.9
	HY/2012/08	2014-11-12		Cloudy	Small Wave		Bottom		3	2	16:11		8.09		5.85	7.84	8.9
	111/2012/00	12014-11-12		Loioudy		1010		10.5	lo Io	<u>۲</u>	10.11	20.0	10.09	J. 12	0.00	1.04	0.3

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	2014-11-12	Mid-Ebb	Cloudy	Small Wave	SR8	Surface	1	1	1	16:51	25.9	8.07	26.9	6.01	6.57	7.4
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy		SR8	Surface	1	1	2	16:51	25.9	8.06	26.8	6.03	6.59	7.6
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy		SR8	Middle		2	1	16:51						
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy		SR8	Middle		2	2	16:51						
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy		SR8	Bottom	4.3	3	1	16:51	26.1	-	27.6	5.74	7.9	8.2
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy		SR8	Bottom	4.3	3	2	16:51	26.2	8.04	27.6	5.79	7.95	8.5
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy		SR9	Surface	1	1	1	16:31	25.9	8.08	26.8	6.05	7.12	8.2
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy		SR9	Surface	1	1	2	16:31	25.8	8.09	26.7	6.1	7.08	8
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy		SR9	Middle		2	1	16:31						
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy		SR9	Middle		2	2	16:31						
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy		SR9	Bottom	4.3	3	1	16:31	26.1		27.4	5.67	7.76	8.8
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy		SR9	Bottom	4.3	3	2	16:31	26.2	8.1	27.2	5.71	7.8	9.3
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	SR10A	Surface	1	1	1	17:11	25.9	8.07	26.9	6.3	6.01	7.2
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy		SR10A	Surface	1	1	2	17:11	25.8	8.07	27	6.28	6.05	7.3
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	7.7	2	1	17:11	26.2	8.09	27.5	5.98	7.29	8.2
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	7.7	2	2	17:11	26.3	8.08	27.4	5.96	7.33	8.3
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy	Small Wave	SR10A	Bottom	14.4	3	1	17:11	26.4		27.6	5.88	7.12	8.4
TMCLKL	HY/2012/08	2014-11-12	Mid-Ebb	Cloudy		SR10A	Bottom	14.4	3	2	17:11	26.4		27.6	5.85	7.17	8.5
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		CS4	Surface	1	1	1	18:38	24.6	7.66	27	6.24	6.63	7.4
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		CS4	Surface	1	1	2	18:38	24.7	7.68	27.1	6.26	6.65	7.3
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		CS4	Middle	10.2	2	1	18:38	24.8		27.2	6.33	6.88	8
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		CS4	Middle	10.2	2	2	18:38	24.9	7.76	27.3	6.35	6.86	7.8
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		CS4	Bottom	19.3	3	1	18:38	25	7.81	27.4	6.17	6.99	8.1
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		CS4	Bottom	19.3	3	2	18:38	25	7.79	27.5	6.15	7.01	8.3
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	1	15:56	24.5	7.73	27	6.67	6.73	7.3
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		CS6	Surface	1	1	2	15:56	24.6		27.1	6.69	6.71	7.5
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		CS6	Middle	7	2	1	15:56	24.7		27.2	6.72	6.45	7.7
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		CS6	Middle	7	2	2		24.8		27.3	6.74	6.47	7.9
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		CS6	Bottom	12.9	3	1	15:56	25		27.5	6.63	6.82	8
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		CS6	Bottom	12.9	3	2	15:56	24.9		27.4	6.65	6.8	8.2
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		IS12	Surface	1	1	1	18:00	24.5	-	27.1	6.49	6.72	7.8
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		IS12	Surface	1	1	2	18:00	24.5		27.2	6.51	6.7	8
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		IS12	Middle	7.4	2	1	18:00	24.6	-	27.3	6.42	6.85	7.5
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		IS12	Middle	7.4	2	2	18:00	24.7	7.75		6.44	6.87	7.9
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		IS12	Bottom	13.7	3	1	18:00	24.8	-	27.4	6.21	7.04	8.2
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		IS12	Bottom	13.7	3	2	18:00	24.9		27.5	6.19	7.06	8
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		IS13	Surface	1	1	1	17:36	24.5		27.1	6.57	6.71	7.4
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		IS13	Surface	1	1	2	17:36	24.5		27.1	6.6	6.73	7.7
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		IS13	Middle	6.3	2	1	17:36	24.6	-	27.2	6.49	6.81	8
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		IS13	Middle	6.3	2	2	17:36	24.7		27.3	6.51	6.83	7.8
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		IS13	Bottom	11.5	3	1	17:36	24.8	7.75		6.44	7.04	8.1
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		IS13	Bottom	11.5	3	2	17:36	24.9		27.5	6.46	7.02	8.3
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		IS14	Surface	1	1	1	18:19	24.6	-	27	6.39	7.13	8.4
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		IS14	Surface	1	1	2	18:19	24.5		27.1	6.41	7.11	8.3
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		IS14	Middle	6.2	2	1	18:19	24.7		27.2	6.35	6.94	7.9
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		IS14	Middle	6.2	2	2	18:19	24.8		27.3	6.37	6.96	8.3
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		IS14	Bottom	11.4	3	1	18:19	24.9	-	27.4	6.22	7.21	8.4
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		IS14	Bottom	11.4	3	2	18:19	25	7.6	27.5	6.2	7.19	8.1
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		IS15	Surface	1	1	1	17:17	24.6	-	27.1	6.47	6.62	7.8
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		IS15	Surface	1	1	2	17:17	24.7		27.2	6.45	6.6	7.4
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		IS15	Middle	5.8	2	1	17:17	24.8		27.3	6.56	6.73	7.5
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		IS15	Middle	5.8	2	2	17:17	24.9	7.7	27.4	6.58	6.71	7.9
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		IS15	Bottom	10.6	3	1	17:17	25		27.5	6.33	6.85	8
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		IS15	Bottom	10.6	3	2	17:17	25		27.6	6.35	6.87	7.7
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		SR8	Surface	1	1	1	16:42	24.5		27.1	6.49	6.63	7.4
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		SR8	Surface	1	1	2	16:42	24.6	7.77	27.2	6.51	6.65	7.7
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy		SR8	Middle	ļ	2	1	16:42		<u> </u>		 		_
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy	Small Wave	ISR8	Middle		2	2	16:42						

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	2014-11-14	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.4	3	1	16:42	24.8	7.83	27.4	6.43	6.71	8.1
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.4	3	2	16:42	24.9	7.81	27.5	6.45	6.69	8.3
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	1	16:57	24.6	7.72	27	6.51	6.73	7.4
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	2	16:57	24.5	7.7	27.1	6.53	6.71	7.7
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy	Small Wave	SR9	Middle		2	1	16:57						
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy	Small Wave	SR9	Middle		2	2	16:57						
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy	Small Wave	SR9		4.4	3	1	16:57	24.7	7.8	27.3	6.49	6.8	7.9
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy	Small Wave	SR9	Bottom	4.4	3	2	16:57	24.8	7.82	27.4	6.47	6.82	8.1
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	1	16:21	24.6	7.64	27	6.79	6.56	7.2
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy	Small Wave	SR10A	Surface	1	1	2	16:21	24.6	7.66	27	6.81	6.58	7.6
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	7.8	2	1	16:21	24.7	-	27.1	6.62	6.73	7.9
	HY/2012/08	2014-11-14	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	7.8	2	2	16:21	24.8	7.7	27.2	6.64	6.75	8
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	14.5	3	1	16:21	24.9		27.3	6.71	6.92	8.2
TMCLKL	HY/2012/08	2014-11-14	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	14.5	3	2	16:21	25	7.81	27.4	6.69	6.9	8.3
	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm Calm	CS4	Surface	1	1		04:15	24.8	7.98	26.9	6.18 6.15	6.83	7.4
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-11-14 2014-11-14	Mid-Ebb Mid-Ebb	Cloudy Cloudy	Calm	CS4 CS4	Surface Middle	10	2	2	04:15 04:15	24.8 24.9	7.99 7.89	27 27.1	6.23	6.78 6.99	7.9
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	CS4 CS4	Middle	10 10	2	2	04:15	24.9	7.9	27.2	6.25	7.04	8.1 8.3
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	CS4 CS4	Bottom	19	2	1	04:15	25.1		27.3	6.09	7.42	8.6
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	CS4 CS4	Bottom	19	3	2	04:15	25.2	7.92	27.4	6.06	7.34	8.4
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	CS4 CS6	Surface	1	1	1	04:15	24.6	7.98	27.4	6.58	6.85	7.5
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	CS6	Surface	1	1	2	06:25	24.6	7.99	27.1	6.55	6.8	7.8
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	CS6	Middle	6.8	2	1	06:25	24.6	7.89	27.1	6.61	6.66	7.4
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	CS6	Middle	6.8	2	2	06:25	24.7	7.9	27.2	6.63	6.71	7.7
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	CS6	Bottom	12.6	3	1	06:25	24.7	-	27.2	6.51	6.94	7.8
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	CS6	Bottom	12.6	3	2	06:25	24.8	7.93	27.3	6.47	7.03	8.1
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	IS12	Surface	1	1	1	04:56	24.7	7.98	27	6.37	6.89	7.7
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	IS12	Surface	1	1	2	04:56	24.7		27	6.34	6.94	8
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	IS12		7.2	2	1	04:56	24.7		27.1	6.3	7.06	8.2
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	IS12		7.2	2	2	04:56	24.8	-	27.2	6.27	7.11	8.4
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	IS12	Bottom	13.4	3	1	04:56	24.9		27.2	6.08	7.18	8.4
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	IS12	Bottom	13.4	3	2	04:56	25		27.3	6.11	7.24	8.9
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	IS13	Surface	1	1	1	05:14	24.7	7.92	27	6.42	6.76	7.4
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	IS13	Surface	1	1	2	05:14	24.6	7.93	27.1	6.39	6.83	7.3
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	IS13	Middle	6.1	2	1	05:14	24.7	7.94	27.1	6.45	6.88	7.9
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	IS13	Middle	6.1	2	2	05:14	24.7	7.94	27.1	6.43	6.95	8.2
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	IS13	Bottom	11.2	3	1	05:14	24.8	7.97	27.2	6.36	7.14	8.4
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	IS13	Bottom	11.2	3	2	05:14	24.9	7.98	27.3	6.32	7.1	8.5
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	IS14	Surface	1	1	1	04:38	24.8	-	27	6.29	7.07	7.9
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	IS14	Surface	1	1	2	04:38	24.7		27.1	6.33	7	8.1
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	IS14		6.1	2	1	04:38	24.8	-	27.1	6.22	7.12	8.4
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	IS14		6.1	2	2	04:38	24.8		27.1	6.2	7.17	8.3
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	IS14	Bottom	11.2	3	1	04:38	24.9	-	27.1	6.14	7.32	8.7
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	IS14	Bottom	11.2	3	2	04:38	25		27.2	6.11	7.38	8.4
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	IS15	Surface	1	1	1	05:35	24.7		26.9	6.34	6.94	8.2
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	IS15	Surface	1	1	2	05:35	24.7		27	6.37	6.99	8.4
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	IS15		5.7	2	1	05:35	24.7	-	27	6.4	6.83	7.8
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	IS15		5.7	2	2	05:35	24.7		27.1	6.38	6.8	7.7
	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	IS15	Bottom	10.4	3		05:35	24.8		27.2	6.26	7.03	8.5
	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	IS15	Bottom	10.4	3	2	05:35	24.8		27.2	6.29	7.09	8.3
	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	SR8	Surface	1	1		06:07	24.6	7.94	27.1	6.38	6.74	7.5
	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	SR8	Surface			2	06:07	24.6	7.95	27.1	6.35	6.81	7.6
	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	SR8	Middle		2		06:07				+		
	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	SR8	Middle	4.0	2	2	06:07	24.6	7.00	27.1	6 44	6 07	0
	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	SR8 SR8		4.2	3	1	06:07	24.6		27.1	6.41	6.87	
	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm Calm	SR8 SR9		4.2) 1	1	06:07	24.7		27.2	6.43	6.94	7.8
	HY/2012/08 HY/2012/08	2014-11-14 2014-11-14	Mid-Ebb	Cloudy Cloudy	Calm		Surface Surface	1	1	2	05:52	24.7		27	6.44 6.41	6.82 6.88	7.4
TIVICLAL	ע/2012/08	2014-11-14	ממם-מוואו		Calli	IOK9	Journace	11	11	<u> </u> 2	05:52	24.0	7.98	21.1	10.41	0.00	0.1

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy		SR9	Middle	Deptil	2	1	05:52						
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy		SR9	Middle		2	2	05:52						
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	SR9	Bottom	4.2	3	1	05:52	24.8	8	27.1	6.43	6.94	8.5
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy		SR9	Bottom	4.2	3	2	05:52	24.8	8.01	27.2	6.46	6.99	8.6
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	SR10A	Surface	1	1	1	06:50	24.6	7.93	27	6.64	6.68	7.8
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	SR10A	Surface	1	1	2	06:50	24.5	7.94	27	6.61	6.74	7.9
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	SR10A	Middle	7.6	2	1	06:50	24.6	7.96	27	6.57	6.93	8.4
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	SR10A	Middle	7.6	2	2	06:50	24.7	7.97	27.1	6.54	6.86	8.6
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	SR10A	Bottom	14.2	3	1	06:50	24.8	7.99	27.2	6.6	7.21	9.2
TMCLKL	HY/2012/08	2014-11-14	Mid-Ebb	Cloudy	Calm	SR10A	Bottom	14.2	3	2	06:50	24.9	8	27.3	6.58	7.27	9.4
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine	Small Wave	CS4	Surface	1	1	1	16:46	24.4	7.78	27	6.23	6.87	7.9
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine	Small Wave	CS4	Surface	1	1	2	16:46	24.4	7.8	27	6.2	6.9	8.2
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine	Small Wave	CS4	Middle	10.1	2	1	16:46	24.5	7.68	27.1	6.32	6.97	8.1
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		CS4	Middle	10.1	2	2	16:46	24.6	7.65	27.2	6.28	7	8.3
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine	Small Wave	CS4	Bottom	19.2	3	1	16:46	24.7	-	27.4	6.08	7.15	8.5
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine	Small Wave	CS4	Bottom	19.2	3	2	16:46	24.7		27.4	6.12	7.14	8.9
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine	Small Wave	CS6	Surface	1	1	1	14:00	24.4	7.6	26.9	6.54	6.96	7.5
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		CS6	Surface	1	1	2	14:00	24.5	7.63	26.9	6.56	6.95	7.4
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine	Small Wave	CS6	Middle	7	2	1	14:00	24.6	7.68	27	6.45	7.04	8.2
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine	Small Wave	CS6	Middle	7	2	2	14:00	24.6	7.7	27.1	6.44	7.02	8.5
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine	Small Wave	CS6	Bottom	13	3	1	14:00	24.7		27.2	6.26	7.2	8.7
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		CS6	Bottom	13	3	2	14:00	24.8		27.3	6.23	7.21	8.9
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine	Small Wave	IS12	Surface	1	1	1	16:06	24.4	7.59	27	6.35	6.95	8.2
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		IS12	Surface	1	1	2	16:06	24.4		27	6.39	6.96	8.3
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		IS12	Middle	7.3	2	1	16:06	24.5		27.2	6.31	7.04	8.4
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine	Small Wave	IS12	Middle	7.3	2	2	16:06	24.6	7.65	27.2	6.3	7.08	8.7
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		IS12	Bottom	13.6	3	1	16:06	24.7		27.3	6.1	7.11	8.6
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		IS12	Bottom	13.6	3	2		24.7	7.79		6.13	7.14	8.9
	HY/2012/08	2014-11-17	Mid-Flood	Fine		IS13	Surface	1	1	1	15:46	24.5	7.78		6.58	6.52	7.4
	HY/2012/08	2014-11-17	Mid-Flood	Fine		IS13	Surface		1	2	15:46	24.4		26.9	6.59	6.54 6.67	7.8
TMCLKL TMCLKL	HY/2012/08	2014-11-17	Mid-Flood Mid-Flood	Fine Fine		IS13 IS13	Middle Middle	6.2 6.2	2	1	15:46	24.6 24.7		27.1 27.2	6.47 6.43	6.69	8.3 8.1
TMCLKL	HY/2012/08 HY/2012/08	2014-11-17 2014-11-17	Mid-Flood	Fine		IS13	Bottom	11.4	2	2	15:46 15:46	24.7		27.3	6.1	6.8	8.4
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		IS13	Bottom	11.4	3	2	15:40	24.0		27.4	6.12	6.85	8.6
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		IS13	Surface	11.4	3	1	16:26	24.9		26.9	6.3	7.02	8.3
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		IS14	Surface	1	1	2	16:26	24.5		26.9	6.32	7.05	8.4
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		IS14 IS14	Middle	6.3	2	1	16:26	24.7		27.1	6.25	7.18	8.4
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		IS14 IS14	Middle	6.3	2	2	16:26	24.6	-	27.1	6.22	7.2	8.7
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		IS14 IS14	Bottom	11.5	2	1	16:26	24.8		27.3	6.18	7.37	8.3
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		IS14	Bottom	11.5	3	2	16:26	24.9		27.4	6.14	7.33	8.5
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		IS14 IS15	Surface	1	1	1	15:26	24.4		27.4	6.52	6.76	7.9
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		IS15	Surface	1	1	2	15:26	24.4		27.1	6.54	6.78	7.5
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		IS15	Middle	6	2	1	15:26	24.5	7.65		6.39	6.97	7.6
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		IS15	Middle	6	2	2	15:26	24.6		27.2	6.37	6.99	7.8
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		IS15	Bottom	11	3	1	15:26	24.7	-	27.4	6.25	7.08	8.2
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		IS15	Bottom	11	3	2	15:26	24.8	-	27.3	6.18	7.09	8.5
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		SR8	Surface	1	1	1	14:46	24.4	7.58		6.61	6.74	7.4
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		SR8	Surface	1	1	2	14:46	24.3	7.54		6.59	6.71	7.7
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		SR8	Middle		2	1	14:46				1		
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		SR8	Middle		2	2	14:46	1		1	1	1	1
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		SR8		4.4	3	1	14:46	24.5	7.66	27.2	6.34	6.87	8.2
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		SR8		4.4	3	2	14:46	24.5	7.65		6.38	6.9	8.4
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine	Small Wave	SR9	Surface	1	1	1	15:06	24.4	7.65		6.42	6.95	8.2
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		SR9	Surface	1	1	2	15:06	24.3		27	6.45	6.98	8.4
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		SR9	Middle		2	1	15:06						
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		SR9	Middle		2	2	15:06						
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		SR9	Bottom	4.6	3	1	15:06	24.5	7.75	27.2	6.3	7.09	7.9
TMCLKI	HY/2012/08	2014-11-17	Mid-Flood	Fine	Small Wave	SR9	Bottom	4.6	3	2	15:06	24.6	7.77	27.2	6.32	7.11	8.3

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	2014-11-17	Mid-Flood	Fine		SR10A	Surface	1	1	1	14:26	24.5	7.68	27	6.65	6.79	7.4
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine		SR10A	Surface	1	1	2	14:26	24.4	7.69	26.9	6.68	6.81	7.8
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine	Small Wave	SR10A	Middle	7.8	2	1	14:26	24.6	7.77	27.1	6.49	6.97	7.9
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine	Small Wave	SR10A	Middle	7.8	2	2	14:26	24.7	7.75	27.2	6.52	6.99	8.1
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine	Small Wave	SR10A	Bottom	14.6	3	1	14:26	24.8	7.58	27.3	6.44	7.07	8.2
TMCLKL	HY/2012/08	2014-11-17	Mid-Flood	Fine	Small Wave	SR10A	Bottom	14.6	3	2	14:26	24.9	7.62	27.4	6.46	7.09	8.5
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine	Small Wave	CS4	Surface	1	1	1	07:30	24.5	7.85	27.1	6.15	6.94	8.3
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		CS4	Surface	1	1	2	07:30	24.5	7.87	27.1	6.13	6.96	8.1
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine	Small Wave	CS4	Middle	9.9	2	1	07:30	24.6	7.73	27.2	6.26	7.03	8.4
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		CS4	Middle	9.9	2	2	07:30	24.7	7.71	27.3	6.24	7.05	8.2
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		CS4	Bottom	18.8	3	1	07:30	24.8	7.68	27.4	6	7.23	8.4
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		CS4	Bottom	18.8	3	2	07:30	24.9	7.7	27.5	6.02	7.21	8.7
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		CS6	Surface	1	1	1	09:39	24.5	7.66	26.9	6.47	7.02	7.8
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		CS6	Surface	1	1	2	09:39	24.6	7.68	27	6.49	7	8
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		CS6	Middle	6.8	2	1	09:39	24.7	7.73	27.1	6.39	7.13	8.3
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		CS6	Middle	6.8	2	2	09:39	24.8	7.75	27.2	6.37	7.11	8.5
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		CS6	Bottom	12.6	3	1	09:39	24.9	7.81	27.3	6.2	7.26	8.7
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		CS6	Bottom	12.6	3	2	09:39	24.9	7.83	27.4	6.18	7.28	8.9
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		IS12	Surface	1	1	1	08:04	24.5	7.66	27.1	6.29	7.01	8.5
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		IS12	Surface	1	1	2	08:04	24.5	7.68	27.2	6.31	7.03	8.1
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		IS12	Middle	7.2	2	1	08:04	24.6		27.3	6.25	7.12	8.3
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		IS12	Middle	7.2	2	2	08:04	24.7	7.71	27.3	6.23	7.14	8.4
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		IS12	Bottom	13.3	3	1	08:04	24.8	7.83	27.4	6.04	7.27	8.7
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		IS12	Bottom	13.3	3	2	08:04	24.9	7.85	27.5	6.06	7.29	8.9
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		IS13	Surface	1	1	1	08:21	24.6	7.83	27	6.5	6.59	7.3
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		IS13	Surface	1	1	2	08:21	24.6	7.81	27.1	6.52	6.61	7.4
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		IS13	Middle	6	2	1	08:21	24.7		27.2	6.4	6.73	7.8
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine	Small Wave	IS13	Middle	6	2	2	08:21	24.8	7.71	27.3	6.38	6.75	7.7
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine	Small Wave	IS13	Bottom	11	3	1	08:21	24.9		27.4	6.04	6.89	8.1
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		IS13	Bottom	11	3	2	08:21	25		27.5	6.06	6.91	8.4
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		IS14	Surface	1	1	1	07:47	24.6		27	6.21	7.11	8.4
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		IS14	Surface	1	1	2	07:47	24.7		27.1	6.23	7.13	8.6
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		IS14	Middle	6.1	2	1	07:47	24.8		27.2	6.17	7.25	8.7
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		IS14	Middle	6.1	2	2	07:47	24.7		27.3	6.15	7.27	8.5
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		IS14	Bottom	11.1	3	1	07:47	24.9	-	27.4	6.11	7.42	9
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		IS14	Bottom	11.1	3	2	07:47	25		27.5	6.09	7.4	8.8
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		IS15	Surface	1	1	1	08:38	24.6		27.1	6.44	6.82	7.8
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		IS15	Surface	1	1	2	08:38	24.5		27.2	6.46	6.84	7.6
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		IS15	Middle	5.8	2	1	08:38	24.7	_	27.3	6.33	7.02	8.2
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		IS15	Middle	5.8	2	2	08:38	24.7		27.4	6.31	7.04	8.5
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		IS15	Bottom	10.6	3	1	08:38	24.8		27.5	6.17	7.13	8.4
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		IS15	Bottom	10.6	3	2	08:38	24.9		27.5	6.15	7.15	8.1
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		SR8	Surface	1	1	1	09:12	24.5		27.1	6.55	6.8	7.7
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		SR8	Surface	1	1	2	09:12	24.5	7.66	27.2	6.53	6.78	7.4
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		SR8	Middle		2	1	09:12		<u> </u>		ļ		
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		SR8	Middle		2	2	09:12		 				
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		SR8		4.1	3	1	09:12			27.3	6.28	6.94	8.3
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		SR8	1	4.1	3	2	09:12	24.7	7.7	27.4	6.3	6.96	8.5
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		SR9	Surface	1	1	1	08:55	24.5	7.71	27	6.35	7.02	7.8
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		SR9	Surface	1	1	2	08:55	24.4	7.73	27.1	6.37	7.04	7.9
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		SR9	Middle		2	1	08:55		 		ļ		
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		SR9	Middle		2	2	08:55						
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		SR9		4.3	3	1	08:55	24.6	7.8	27.2	6.24	7.17	8.1
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		SR9		4.3	3	2	08:55	24.7		27.3	6.26	7.19	8.3
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		SR10A	Surface	1	1	1	09:29	24.6	-	27	6.59	6.86	7.7
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		SR10A	Surface	1	1	2	09:29	24.6		27.1	6.61	6.88	7.5
TMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine		SR10A		7.7	2	1	09:29	24.7	7.83		6.43	7.03	8.1
IMCLKL	HY/2012/08	2014-11-17	Mid-Ebb	Fine	Small Wave	ISR10A	Middle	7.7	2	2	09:29	24.8	7.81	27.3	6.45	7.05	8.3

TMCLRU, WY01020 Sol 11.17 Mike Pub Prime Small Wave State 1 1 1002 24 1.68 7.14 B.8 TMCLRU, WY01020 2141-113 Mike Pub Same Wave	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)
TRUCK, M. 77071268 Bind Proc. Frame Small Yales	TMCI KI	HY/2012/08	2014-11-17	Mid-Ebb	Fine		SR10A	Bottom		3	1	09:29	24.9	7.65	27.4	6.38	7.12	8.5
TNELE, M. 201208 Starting Small Year CSA Starting 1										3	2							8.6
THCLE, HY20120 Delta1116 MorPace Simuly Way Eds. Sinuly Way Class Class <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td>1</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td>7.5</td></t<>									1	1	1							7.5
THCLE, MY01208 Delta11-16 Mat-Face Simul Wave Eds Mode Total Total <thtotal< th=""> Total Tota</thtotal<>									1	1	2	-						7.8
TMCLRL, MY20120 Z0141119 Md-Flood Summy Strail Wave Eds Mode 10 2 2 2 17.42 24.6 7.66 27.4 6.14 7.1 B TMCLRL, MY20120 224.1118 Md-Flood Simmy Simmi Wave C4.8 Dial 24.6 7.66 27.4 6.14 7.16 B Dial A 5.6 27.4 6.14 7.16 B Dial A <									10.2	2	1							8.2
TMCLE, HY 201208 Dirik 11-19 Mid-Frood Small Wave Scale biology Stale T< T T< T< T< T< T< T< T< T< T< T T T T T< T< T T T< T <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td> <td>2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>7.9</td>										2	2							7.9
TMCLER. HY201200 20141119 Mod-Root Sumary Small Wave CSB Surface 1 <t< td=""><td>TMCLKL</td><td>HY/2012/08</td><td>2014-11-19</td><td>Mid-Flood</td><td></td><td>Small Wave</td><td></td><td></td><td></td><td>3</td><td>1</td><td>17:42</td><td></td><td>7.66</td><td></td><td></td><td></td><td>8.2</td></t<>	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood		Small Wave				3	1	17:42		7.66				8.2
TMCLUL HY/201208 Sunty Small Wave CS8 Surface 1 1 2 14.58 24.5 7.66 27.1 6.48 8.84 8. TMCLUL HY/201208 20141-10 MdFbood Suriny Small Wave CS8 Mddat 7.1 2.2 14.58 24.7 7.65 27.1 6.40 6.84 8. TMCLUL HY/201208 20141-110 MdFbood Suriny Small Wave CS8 Mddat 7.1 2.2 14.58 24.6 7.66 27.1 6.40 6.80 8. MCLUL HY/201208 201411-10 MdFbood Suriny Small Wave 151 1 1 1 17.03 24.3 7.64 27.1 6.48 6.8 8	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	CS4	Bottom	19.3	3	2	17:42	24.7	7.68	27.4	6.1	7.16	8.3
TMCLUB, HY/201208 P114-110 Mod-Pool Summy Small Wave C88 Mode 7.1 2 1 1.58 24.7 7.68 27.1 6.48 6.84 8.8 TMCLIK, HY/201208 2014-114 Mod-Pool Summy Small Wave C58 Bottom 1.1 1.5 2 1.458 2.4 7.76 2.7 6.24 7.6 2.2 6.24 7.6 2.2 6.24 7.6 2.2 6.24 7.6 2.2 6.24 7.6 2.2 6.24 7.6 2.2 6.24 7.6 2.7 6.23 7.6 2.7 6.23 7.6 2.7 6.23 7.7 2.7 6.23 7.7 2.7 6.24 7.6 2.7 6.32 7.6 2.2 2.2 7.03 2.4 7.6 2.7 6.32 7.7 2.4 6.31 1.7 1.7 2.4 7.6 2.7 6.32 7.7 2.7 6.15 7.1 8.4 8.4 6.	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	CS6	Surface	1	1	1	14:58	24.5	7.64	27	6.6	6.86	7.5
TMCLUG, HY/201208 Other Hood Sumity Small Wave CSa Middle 7.1 2 2 1.458 24.7 7.66 27.1 0.40 6.848 8.8 TMCLUG, HY/201208 20141-110 Mid-Flood Sumry Small Wave CSS Bottom 13.1 3 1 14.58 24.7 7.61 27.1 6.41 6.9 7.4 8.8 MULLG, HY/201208 20141-110 Mid-Flood Sumry Small Wave 15.1 Statuse 1 1 1 17.05 24.3 7.64 27.1 6.83 6.86 8 MULLG, HY/201208 20141-119 Mid-Flood Sumry Small Wave 18.1 2 1 10.1 16.4 24.3 7.64 7.74 2.74 6.35 7.11 8.04 8.0 11.1 18.4 11.1 18.4 2.4 7.74 2.74 6.54 8.58 7.1 18.6 11.1 11.1 18.4 2.4 7.74 2.73 6.2 <td>TMCLKL</td> <td>HY/2012/08</td> <td>2014-11-19</td> <td>Mid-Flood</td> <td>Sunny</td> <td>Small Wave</td> <td>CS6</td> <td>Surface</td> <td>1</td> <td>1</td> <td>2</td> <td>14:58</td> <td>24.5</td> <td>7.65</td> <td>27</td> <td>6.56</td> <td>6.9</td> <td>8</td>	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	CS6	Surface	1	1	2	14:58	24.5	7.65	27	6.56	6.9	8
TMCLEM. HY201208 2014-11-9 Md-Road Sumy Small Wave CS6 Bottom 11.1 3 1 4168 24.6 7.76 7.22 6.24 7.14 8.8 MCLKM. HY201208 2014-11-9 Md-Road Sumy Small Wave IS12 Sufface 1 1 1703 21.3 7.64 27.1 6.24 7.1 8.8 6.88 6.88 6.88 6.88 6.88 6.88 6.88 6.88 6.88 7.8 2.0 7.763 2.1 7.64 2.7 6.28 7.71 6.88 6.88 6.88 6.88 6.88 7.8 2.0 7.70 2.4 7.61 7.2 6.24 7.74 6.18 7.14 8.8 7.8 7.2 6.24 7.74 6.18 7.14 8.8 7.8 7.75 7.2 6.14 7.4 7.16 8.8 6.55 7.7 7.2 6.24 6.55 7.7 7.16 8.8 6.55	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	CS6	Middle	7.1	2	1	14:58	24.6	7.66	27.1	6.48	6.94	8.2
TMCLEM. HV201208 204-11-9 M6-Flood Sumy Small Wave C56 Bottom 11 1	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	CS6	Middle	7.1	2	2	14:58	24.7	7.65	27.1	6.46	6.98	8.3
TMCLK HY201208 20141119 Md-Flood Sunny Small Wave IS12 Surface 1	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	CS6	Bottom	13.1	3	1	14:58	24.6	7.75	27.2	6.28	7.04	8.4
TMCLKL HY20120B 2014-11-19 Mic-Root Samali Wave IS12 Surface 1 1 2 17.03 24.3 7.64 27.4 6.38 6.68 8 TMCLKL HY20120B 2014-11-19 Mid-Flood Sunny Smail Wave IS12 Midde 7.3 2 1 17.03 24.6 7.74 27.4 6.32 7.11 8. TMCLKL HY20120B 2014-11-19 Mid-Flood Sunny Smail Wave IS12 Bottom 1.6 3 1 1 16.44 27.4 7.6 1.8 7.1 8. 5.6 6.6 7. 1.1 1 1.6 1.4 7.6 27.3 6.1 5.6 6.6 7. 1.0 1.6 4.4 7.4 7.7 2.7 6.4 6.6 7. 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	CS6	Bottom	13.1	3	2	14:58	24.7	7.76	27.3	6.24	7.1	8.6
TMCLR, HY201208 2014-11-19 Md-Flood Summy Small Wave S12 Middle 7.3 2 1 17.03 24.6 7.66 27.2 6.28 7.04 18.8 TMCLK, HY201208 2014-11-19 Md-Flood Summy Small Wave S12 Bitto 13.6 3 1 17.03 24.6 7.74 Z7.4 6.18 7.11 8.8 TMCLK, HY201208 2014-11-19 Md-Flood Summy Small Wave S13 Sufface 1 1 1 16.44 24.4 7.74 Z7.3 6.56 6.56 7.7 MUCLK HY201206 2014-11-19 Md-Flood Summy Small Wave S13 Sufface 1 1 1 6.44 24.4 7.76 27.2 6.56 6.24 7.7 MUCLK HY201208 2014-11-19 Md-Flood Summy Small Wave S13 Bottom 1.5 3 1 6.44 24.7	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	IS12	Surface	1	1	1	17:03	24.3	7.61	27.1	6.41	6.9	7.7
TMCLUL PY2012/08 2014-11-19 Mid-Rood Summy Small Wave S12 Middle 7.3 2.4 7.6 4.72 6.3 7.14 8.8 TMCLUL MY2012/08 2014-11-19 Mid-Rood Summy Small Wave S12 Bottom 1.3.6 3 1 17.03 24.7 7.76 27.3 6.15 7.14 8.8 TMCLUL MY2012/08 2014-11-19 Mid-Flood Summy Small Wave S13 Sufface 1 1 16.4 24.4 7.76 27.2 6.54 6.66 6.62 7. TMCLUL MY2012/08 2014-11-19 Mid-Flood Summy Small Wave S13 Middle 6.3 2 1 16.4 24.5 7.68 27.1 6.4.4 6.6 7. 7. Middle 6.3 2 1 1.2 1.2 24.5 7.68 27.1 6.4.8 6.6 7. 7. 1.6 8.6 6.6 7.1	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	IS12	Surface	1	1	2	17:03	24.3	7.64	27.1	6.38	6.86	8
TMCLUL HY201208 2014-11-19 Mid-Flood Sumal Wave IS12 Bottom 13.6 3 1 17.03 24.6 7.76 27.3 6.15 7.14 8.8 TMCLUL HY201208 2014-11-19 Mid-Flood Sumny Small Wave IS13 Suface 1 1 1 16.44 24.4 7.76 27.3 6.15 7.16 6.45 6.56 6.52 7.7 TMCLUL HY201208 2014-11-19 Mid-Flood Sunny Small Wave IS13 Suface 1 1 1 16.44 24.4 7.76 27.3 6.16 6.67 7.7 TMCLUL HY201208 2014-11-19 Mid-Flood Sunny Small Wave IS13 Mide 6.3 2 1 <t< td=""><td>TMCLKL</td><td>HY/2012/08</td><td>2014-11-19</td><td>Mid-Flood</td><td>Sunny</td><td>Small Wave</td><td>IS12</td><td>Middle</td><td>7.3</td><td>2</td><td>1</td><td>17:03</td><td>24.4</td><td>7.66</td><td>27.2</td><td>6.28</td><td>7.04</td><td>8.1</td></t<>	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	IS12	Middle	7.3	2	1	17:03	24.4	7.66	27.2	6.28	7.04	8.1
TMCLLL MY201208 2014-11-19 Mid-Flood Summy Small Wave IS13 Sufface 1 1 16.44 24.7 776 27.3 6.15 7.16 8. TMCLLL MY201208 2014-11-19 Mid-Flood Summy Small Wave IS13 Sufface 1 1 1 16.44 24.4 7.76 27.2 6.4 6.66 6.62 7.7 TMCLLL MY201208 2014-11-19 Mid-Flood Summy Small Wave IS13 Midde 6.3 2 1 16.44 24.6 7.66 27.2 6.4 6.6 7.7 TMCLL MY201208 2014-11-19 Mid-Flood Summy Small Wave IS13 Bidta 2.1 16.44 24.7 7.68 27.3 6.16 6.67 7.7 7.7 7.63 2.3 6.16 6.77 7.7 7.6 2.4 7.62 27.4 6.56 6.82 8.8 TMCLL MY201208 2014-11-19 Mid-Flood	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	IS12	Middle	7.3	2	2	17:03	24.5	7.64	27.2	6.32	7.11	8.3
TMCLUL IV/201208 2014-11-19 Mid-Flood Summy Small Wave Is 1 1 1 1 16.44 24.4 7.74 27 6.64 6.66 7. TMCLUL HY201208 2014-11-19 Mid-Flood Sumny Small Wave IS13 Middle 6.3 2 1 16.44 24.4 7.76 27.2 6.4 6.64 7. TMCLUL HY201208 2014-11-19 Mid-Flood Sumny Small Wave IS13 Bottom 1.5 3 1 16.44 24.7 7.68 27.3 6.2 6.74 8 TMCLUL HY201208 2014-11-19 Mid-Flood Sumny Small Wave IS14 Sufface 1 1 1 17.22 24.3 7.68 27 6.34 6.96 8. TMCLUL HY201208 2014-11-19 Mid-Flood Sumny Small Wave IS14 Midde 6.3 2 1 17.22 24.7 7.68 27.4	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	IS12	Bottom	13.6	3	1	17:03	24.6	7.74	27.4	6.18	7.14	8.4
TMCLRL HY201208 20141119 Mid-Flood Sumny Small Wave Is13 Middle 6.3 2 1 1 2 16.44 24.6 7.76 25.9 6.56 6.52 7. TMCLRL HY201208 20141119 MidrFlood Sunny Small Wave IS13 Middle 6.3 2 16.44 24.6 7.68 27.1 6.44 6.6 7. TMCLKL HY201208 20141119 MidrFlood Sunny Small Wave IS13 Bottom 11.5 3 1 16.44 24.7 7.68 27.3 6.3 6.56 6.52 7. 7.63 27.3 6.3 6.52 6.52 7.7 7.68 27.3 6.3 6.52 6.52 7.7 7.6 27.3 6.3 6.52 6.52 7.7 7.7 27.2 6.36 6.52 6.52 7.7 7.6 27.2 6.36 6.52 7.7 7.62 27.2 6.36 6.59	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	IS12	Bottom	13.6	3	2	17:03	24.7	7.76	27.3	6.15	7.16	8.6
TMCLKL HY201208 2014-11-19 Mid-fbod Sunny Small Wave IS13 Middle 6.3 2 1 1644 24.5 7.66 27.2 6.4 6.6 7.7 TMCLKL HY201208 2014-11-19 Mid-fbod Sunny Small Wave IS13 Botton 11.5 3 1 1644 24.7 7.68 27.3 6.2 6.74 8 TMCLKL HY201208 2014-11-19 Mid-fbod Sunny Small Wave IS13 Botton 11.5 3 1 1644 24.7 7.68 27.3 6.2 6.74 6.3 6.77 7.7 7 Mid-fbod Sunny Small Wave IS14 Middle 8.3 2 1 17.22 2.4 7.66 27.4 6.35 6.92 8.8 TMCLKL HY201208 2014-11-19 Mid-fbod Sunny Small Wave IS14 Botton 11.6 3 1 17.22 2.4 7.65 27.4 <td>TMCLKL</td> <td>HY/2012/08</td> <td>2014-11-19</td> <td>Mid-Flood</td> <td>Sunny</td> <td>Small Wave</td> <td>IS13</td> <td>Surface</td> <td>1</td> <td>1</td> <td>1</td> <td>16:44</td> <td>24.4</td> <td>7.74</td> <td>27</td> <td>6.54</td> <td>6.56</td> <td>7.4</td>	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	IS13	Surface	1	1	1	16:44	24.4	7.74	27	6.54	6.56	7.4
TMCLKL HY/201208 201411-18 Mid-flood Sunny Small Wave Is13 Middle 6.2 2 16.44 2.4.7 7.69 27.3 6.2 6.74 8 TMCLKL HY/201208 201411-19 Mid-Flood Sunny Small Wave IS13 Bottom 11.5 3 2 16.44 2.4.7 7.69 27.3 6.16 6.74 8 TMCLKL HY/201208 201411-19 Mid-Flood Sunny Small Wave IS14 Surface 1 1 1 1722 2.4.3 7.68 27 6.35 6.92 8 TMCLKL HY/201208 201411-19 Mid-Flood Sunny Small Wave IS14 Middle 6.3 2 1 1722 2.4.7 7.64 7.7.4 6.16 7.2.3 8.8 TMCLKL HY/201208 201411-19 Mid-Flood Sunny Small Wave IS14 Bottom 11.6 3 1 12.4.2 7.6.7 7.	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	IS13	Surface	1	1	2	16:44	24.4	7.76	26.9	6.56	6.52	7.7
TMCLKL HY/201208 2014-11-9 Mid-Flood Sumny Small Wave IS13 Bottom I1.5 3 1 16.44 24.7 7.68 27.3 6.2 6.74 8 TMCLKL HY/201208 2014-11-9 Mid-Flood Sumny Small Wave IS14 Surface 1 1 1 17.22 24.3 7.68 27.7 6.34 6.96 8 TMCLKL HY/201208 2014-11-9 Mid-Flood Sumny Small Wave IS14 Midelie 6.3 2 1 17.22 24.4 7.76 27.1 6.28 7.1 8 TMCLKL HY/201208 2014-11-19 Mid-Flood Sumny Small Wave IS14 Midelie 6.3 2 1 17.22 24.4 7.64 27.4 6.16 7.2 8.4 TMCLKL HY/201208 2014-11-19 Mid-Flood Sumny Small Wave IS15 Surface 1 1 1 16.24 24.4	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	IS13	Middle	6.3	2	1	16:44	24.5	7.66	27.2	6.4	6.64	7.8
TMCLKL HY201208 2014-11-9 Mid-Flood Sumy Small Wave [S13 Bottom 11.5 3 2 16.44 24.7 7.88 7.7 6.34 6.96 8. TMCLKL HY201208 2014-11-9 Mid-Flood Sumy Small Wave IS14 Suface 1 1 7.22 24.3 7.66 27 6.35 6.92 8. TMCLKL HY201208 2014-11-9 Mid-Flood Sumy Small Wave IS14 Middle 6.3 2 1 7.72 27.4 6.16 7.23 8. TMCLKL HY201208 2014-11-9 Mid-Flood Sumy Small Wave IS14 Bottom 11.6 3 1 17.22 24.7 7.66 7.4 6.16 7.2 8. TMCLKL HY201208 2014-11-9 Mid-Flood Sumy Small Wave IS15 Suface 1 1 16.24 24.3 7.68 7.7 6.64 6.74 <td< td=""><td>TMCLKL</td><td>HY/2012/08</td><td>2014-11-19</td><td>Mid-Flood</td><td>Sunny</td><td>Small Wave</td><td>IS13</td><td>Middle</td><td>6.3</td><td>2</td><td>2</td><td>16:44</td><td>24.6</td><td>7.68</td><td>27.1</td><td>6.44</td><td>6.6</td><td>7.4</td></td<>	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	IS13	Middle	6.3	2	2	16:44	24.6	7.68	27.1	6.44	6.6	7.4
TMCLKL HY/201208 2014-11-19 Mid-Flood Sumy Small Wave IS14 Surface 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 7.65 27 6.33 6.92 8.8 TMCLKL HY/201208 2014-11-19 Mid-Flood Sumy Small Wave IS14 Middle 6.3 2 1 17.22 24.4 7.76 27.2 6.26 7.06 8 TMCLKL HY/201208 2014-11-19 Mid-Flood Sumy Small Wave IS14 Bottom 11.6 3 2 17.22 24.7 7.66 27.4 6.16 7.2 8.8 TMCLKL HY/201208 2014-11-19 Mid-Flood Sumy Small Wave IS15 Surface 1 1 1 1 1 2 7.65 27.4 6.36 6.74 7.7 TMCLKL HY/201208	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	IS13	Bottom	11.5	3	1	16:44	24.7	7.69	27.3	6.2	6.74	8
TMCLKL HY201208 2014-11-19 Mid-Flood Sunny Small Wave IS14 Middle 6.3 2 1 17.22 24.3 7.66 27 6.35 6.92 8.8 TMCLKL HY201208 2014-11-19 Mid-Flood Sunny Small Wave IS14 Middle 6.3 2 1 17.22 24.5 7.76 27.1 6.28 7.1 8.8 TMCLKL HY201208 2014-11-19 Mid-Flood Sunny Small Wave IS14 Bottom 11.6 3 1 17.22 24.7 7.66 27.4 6.16 7.23 8.8 TMCLKL HY201208 2014-11-19 Mid-Flood Sunny Small Wave IS14 Bottom 1 1 2 16.24 2.4.3 7.66 27.4 6.64 6.69 7.7 TMCLKL HY201208 2014-11-19 Mid-Flood Sunny Small Wave IS15 Middle 6.1 2 2 1.624 2.45 </td <td>TMCLKL</td> <td>HY/2012/08</td> <td>2014-11-19</td> <td>Mid-Flood</td> <td>Sunny</td> <td>Small Wave</td> <td>IS13</td> <td>Bottom</td> <td>11.5</td> <td>3</td> <td>2</td> <td>16:44</td> <td>24.7</td> <td>7.68</td> <td>27.3</td> <td>6.16</td> <td>6.77</td> <td>7.9</td>	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	IS13	Bottom	11.5	3	2	16:44	24.7	7.68	27.3	6.16	6.77	7.9
TMCLKL HY201208 2014-11-9 Mid-Flood Sumny Small Wave IS14 Middle 6.3 2 1 17.22 24.4 7.72 27.1 6.28 7.1 8.8 TMCLKL HY201208 2014-11-9 Mid-Flood Sumny Small Wave IS14 Bottom 11.6 3 1 17.22 24.7 7.64 27.4 6.16 7.23 8. TMCLKL HY201208 2014-11-9 Mid-Flood Sumny Small Wave IS15 Surface 1 1 1 16.24 24.7 7.66 27.4 6.16 7.6 7.6 6.64 6.68 7. TMCLKL HY201208 2014-11-9 Mid-Flood Sunny Small Wave IS15 Middle 6.1 2 1 16.24 24.5 7.66 27.2 6.38 6.89 7. TMCLKL HY201208 2014-11-9 Mid-Flood Sunny Small Wave IS15 Bottom 11.1 3	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	IS14	Surface	1	1	1	17:22	24.3	7.68	27	6.34	6.96	8.2
TMCLKL HY201208 2014-11-9 Mid-Flood Sumy Small Wave IS14 Middle 6.3 2 1 17.22 24.4 7.72 27.1 6.28 7.1 8.8 TMCLKL HY201208 2014-11-9 Mid-Flood Sumy Small Wave IS14 Bottom 11.6 3 1 17.22 24.7 7.64 27.4 6.16 7.23 8. TMCLKL HY201208 2014-11-9 Mid-Flood Sumy Small Wave IS15 Surface 1 1 1 16.24 24.4 7.65 27.4 6.18 7.2 8. TMCLK HY201208 2014-11-9 Mid-Flood Sumy Small Wave IS15 Middle 6.1 2 1 16.24 24.5 7.65 27.3 6.4 6.33 7.7 TMCLK HY201208 2014-11-9 Mid-Flood Sumy Small Wave IS15 Middle 6.1 2 1 16.24 24.6 <t< td=""><td>TMCLKL</td><td>HY/2012/08</td><td>2014-11-19</td><td>Mid-Flood</td><td>Sunny</td><td>Small Wave</td><td>IS14</td><td>Surface</td><td>1</td><td>1</td><td>2</td><td>17:22</td><td>24.3</td><td>7.65</td><td>27</td><td>6.35</td><td>6.92</td><td>8.1</td></t<>	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	IS14	Surface	1	1	2	17:22	24.3	7.65	27	6.35	6.92	8.1
TMCLKL HY201208 2014-11:19 Mid-Flood Sunny Small Wave IS14 Bottom 11.6 3 1 17.22 24.7 7.64 27.4 6.16 7.23 8. TMCLKL HY201208 2014-11:19 Mid-Flood Sunny Small Wave IS14 Bottom 1 1 1 1 1 1 62 24.7 7.64 27.4 6.64 6.68 7. TMCLKL HY201208 2014-11:19 Mid-Flood Sunny Small Wave IS15 Mudre 1 1 2 16.24 24.7 7.66 27.2 6.38 6.89 7.7 TMCLKL HY201208 2014-11:19 Mid-Flood Sunny Small Wave IS15 Bottom 11.1 3 1 16:24 24.7 7.8 27.4 6.20 7.1 8.6 TMCLKL HY201208 2014-11:19 Mid-Flood Sunny Small Wave SR8 Suface 1 1 1	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	IS14	Middle	6.3	2	1			7.72	27.1	6.28		8.4
TMCLKL HY201208 20141119 Mid-Flood Sumy Small Wave IS15 Surface 1 1 16:24 24.7 7.65 27.4 6.16 7.2 8. TMCLKL HY201208 2014+1119 Mid-Flood Sumny Small Wave IS15 Surface 1 1 1 16:24 24.4 7.6 27.6 6.64 6.64 6.74 7.7 TMCLKL HY201208 2014+1119 Mid-Flood Sunny Small Wave IS15 Midde 6.1 2 1 16:24 24.5 7.65 27.3 6.4 6.93 7.7 TMCLKL HY201208 2014+1119 Mid-Flood Sunny Small Wave IS15 Bottom 11.1 3 1 16:24 24.7 7.82 27.4 6.6 6.7 7.1 8.6 TMCLKL HY201208 2014+1119 Mid-Flood Sunny Small Wave SR8 Surface 1 1 15:45 24.4	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	IS14	Middle	6.3	2	2	17:22	24.5	7.76	27.2	6.26	7.06	8
TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave IS15 Surface 1 1 1 16:24 24.4 7.6 27 6.64 6.68 7.7 TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave IS15 Middle 6.1 2 16:24 24.3 7.62 26.9 6.6 6.74 7.7 TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave IS15 Middle 6.1 2 1 16:24 24.5 7.65 27.3 6.4 6.93 7.1 8.8 17 17 17 18.2 214.11-19 Mid-Flood Sunny Small Wave IS15 Bottom 11.1 3 1 16:24 24.7 7.8 27.4 6.20 7.1 8.6 6.66 7.7 17 18.4 124.1 14.1 1 1 1 15.45 24.6 7.62 27.4 6.6	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	IS14	Bottom	11.6	3	1	17:22	24.7	7.64	27.4	6.16	7.23	8.7
TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sumy Small Wave IS15 Mufale 6.1 1 1 2 16:24 24.3 7.62 26.9 6.6 6.74 7.7 TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sumy Small Wave IS15 Middle 6.1 2 1 16:24 24.5 7.65 27.3 6.4 6.93 7.7 TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave IS15 Bottom 11.1 3 1 16:24 24.6 7.86 27.4 6.26 7.13 8. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR8 Surface 1 1 1 16:24 24.6 7.86 27.1 6.6 6.72 7.1 8.8 TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR8 Surface 1 1 2 15:45 24.4 7.6 27.1 6.6 6.72 7.7 17	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	IS14	Bottom	11.6	3	2	17:22	24.7	7.65	27.4	6.18	7.2	8.5
TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave IS15 Middle 6.1 2 1 16.24 24.5 7.66 27.2 6.38 6.89 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave IS15 Middle 6.1 2 1 16.24 24.7 7.8 27.4 6.26 7.1 8. TMCLKL HY/2012/08 2014-11.19 Mid-Flood Sunny Small Wave IS15 Bottom 11.1 3 1 16.24 24.7 7.8 27.4 6.23 7.1 8. TMCLKL HY/2012/08 2014-11.19 Mid-Flood Sunny Small Wave SR8 Surface 1 1 15.45 24.4 7.6 27.1 6.6 6.72 7. TMCLKL HY/2012/08 2014-11.19 Mid-Flood Sunny Small Wave SR8 Middle 2 1 15.45 24.4 7.66 27.2 6.3 6.82 7. TMCLKL HY/2012/08 2014-11.19	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	IS15	Surface	1	1	1	16:24	24.4	7.6	27	6.64	6.68	7.4
TMCLKL HY2012/08 2014-11-19 Mid-Flood Sunny Small Wave IS15 Middle 6.1 2 2 16:24 24.5 7.65 27.3 6.4 6.93 7.1 TMCLKL HY2012/08 2014-11-19 Mid-Flood Sunny Small Wave IS15 Bottom 11.1 3 1 16:24 24.7 7.8 27.4 6.26 7.13 8.8 TMCLKL HY2012/08 2014-11:19 Mid-Flood Sunny Small Wave SR8 Surface 1 1 1 16:45 24.4 7.64 27.1 6.6 6.72 7.7 TMCLKL HY2012/08 2014-11:19 Mid-Flood Sunny Small Wave SR8 Surface 1 1 15:45 24.4 7.64 27.4 6.6 6.72 7.7 TMCLKL HY2012/08 2014-11:19 Mid-Flood Sunny Small Wave SR8 Middle 2 1 15:45 24.6 7.65 27.2 6.3 6.82 7.7 TMCLKL HY2012/08 2014-11:19	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	IS15	Surface	1	1	2	16:24	24.3	7.62	26.9	6.6	6.74	7.1
TMCLKL HY2012/08 201411-19 Mid-Flood Sunny Small Wave IS15 Bottom 11.1 3 1 16:24 24.7 7.8 27.4 6.26 7.13 8. TMCLKL HY2012/08 2014+11-19 Mid-Flood Sunny Small Wave IS15 Bottom 11.1 3 2 16:24 24.6 7.82 27.4 6.23 7.1 8. TMCLKL HY2012/08 2014+11-19 Mid-Flood Sunny Small Wave SR8 Surface 1 1 15:45 24.4 7.64 27.1 6.6 6.72 7. TMCLKL HY2012/08 2014+11-19 Mid-Flood Sunny Small Wave SR8 Middle 2 1 15:45 24.4 7.64 27.2 6.3 6.82 7. TMCLKL HY2012/08 2014+11-19 Mid-Flood Sunny Small Wave SR8 Bottom 4.5 3 1 15:45 24.6 7.65 27.2<	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	IS15	Middle	6.1	2	1	16:24	24.5	7.66	27.2	6.38	6.89	7.7
TMCLKL HY2012/08 2014+11-19 Mid-Flood Sunny Small Wave IS15 Bottom 11.1 3 1 16:24 24.7 7.8 27.4 6.26 7.13 8. TMCLKL HY2012/08 2014+11-19 Mid-Flood Sunny Small Wave IS15 Bottom 11.1 3 2 16:24 24.6 7.6 27.4 6.63 7.1 8. TMCLKL HY2012/08 2014+11-19 Mid-Flood Sunny Small Wave SR8 Surface 1 1 15:45 24.4 7.64 27.1 6.6 6.72 7. TMCLKL HY2012/08 2014+11-19 Mid-Flood Sunny Small Wave SR8 Middle 2 1 15:45 24.4 7.6 27.2 6.3 6.82 7. TMCLKL HY2012/08 2014+11:19 Mid-Flood Sunny Small Wave SR8 Bottom 4.5 3 1 15:45 24.7 7.6 26.9 <td>TMCLKL</td> <td>HY/2012/08</td> <td>2014-11-19</td> <td>Mid-Flood</td> <td>Sunny</td> <td>Small Wave</td> <td>IS15</td> <td>Middle</td> <td>6.1</td> <td>2</td> <td>2</td> <td>16:24</td> <td>24.5</td> <td>7.65</td> <td>27.3</td> <td>6.4</td> <td>6.93</td> <td>7.6</td>	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	IS15	Middle	6.1	2	2	16:24	24.5	7.65	27.3	6.4	6.93	7.6
TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR8 Surface 1 1 15:45 24.4 7.6 27.1 6.64 6.76 7. TMCLKL HY/2012/08 2014-11.19 Mid-Flood Sunny Small Wave SR8 Surface 1 1 2 15:45 24.4 7.64 27 6.6 6.72 7. TMCLKL HY/2012/08 2014-11:19 Mid-Flood Sunny Small Wave SR8 Middle 2 1 15:45 7 6.6 6.72 7. TMCLKL HY/2012/08 2014-11:19 Mid-Flood Sunny Small Wave SR8 Middle 2 1 15:45 24.6 7.65 27.2 6.34 6.78 7. TMCLKL HY/2012/08 2014-11:19 Mid-Flood Sunny Small Wave SR8 Bottom 4.5 3 2 15:45 24.7 7.6 26.9 6.34 6.78 7. TMCLKL HY/2012/08 2014-11:19 Mid-Flood Sunny Small Wave<	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	IS15	Bottom	11.1	3	1	16:24	24.7			6.26	7.13	8.2
TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR8 Surface 1 1 2 15:45 24.4 7.64 27 6.6 6.72 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR8 Middle 2 1 15:45 <td>TMCLKL</td> <td>HY/2012/08</td> <td>2014-11-19</td> <td>Mid-Flood</td> <td>Sunny</td> <td>Small Wave</td> <td>IS15</td> <td>Bottom</td> <td>11.1</td> <td>3</td> <td>2</td> <td>16:24</td> <td>24.6</td> <td>7.82</td> <td>27.4</td> <td>6.23</td> <td>7.1</td> <td>8.4</td>	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	IS15	Bottom	11.1	3	2	16:24	24.6	7.82	27.4	6.23	7.1	8.4
TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR8 Middle 2 1 15:45 Image: Constraint of the co	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	SR8	Surface	1	1	1	15:45	24.4	7.6	27.1	6.64	6.76	7.4
TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR8 Middle 2 2 15:45 m m m m m m TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR8 Bottom 4.5 3 1 15:45 24.6 7.65 27.2 6.3 6.82 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR8 Bottom 4.5 3 2 15:45 24.6 7.68 27.2 6.34 6.78 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR9 Surface 1 1 16:03 24.4 7.64 26.9 6.44 6.92 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR9 Middle 2 1 16:03 24.4 7.64 26.9 6.34 7.12 8. TMCLKL HY/2012/08 2014-11-19 Mid-Flood <td< td=""><td>TMCLKL</td><td>HY/2012/08</td><td>2014-11-19</td><td>Mid-Flood</td><td>Sunny</td><td>Small Wave</td><td>SR8</td><td>Surface</td><td>1</td><td>1</td><td>2</td><td>15:45</td><td>24.4</td><td>7.64</td><td>27</td><td>6.6</td><td>6.72</td><td>7.1</td></td<>	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	SR8	Surface	1	1	2	15:45	24.4	7.64	27	6.6	6.72	7.1
TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR8 Middle 2 2 15:45 m m m m m m TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR8 Bottom 4.5 3 1 15:45 24.6 7.65 27.2 6.3 6.82 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR8 Bottom 4.5 3 2 15:45 24.6 7.68 27.2 6.34 6.78 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR9 Surface 1 1 16:03 24.4 7.64 26.9 6.44 6.92 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR9 Middle 2 1 16:03 24.4 7.64 26.9 6.34 7.12 8. TMCLKL HY/2012/08 2014-11-19 Mid-Flood <td< td=""><td></td><td>HY/2012/08</td><td>2014-11-19</td><td>Mid-Flood</td><td></td><td></td><td></td><td></td><td></td><td>2</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>		HY/2012/08	2014-11-19	Mid-Flood						2	1							
TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR8 Bottom 4.5 3 1 15:45 24.6 7.65 27.2 6.3 6.82 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR8 Bottom 4.5 3 2 15:45 24.7 7.68 27.2 6.34 6.78 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR9 Surface 1 1 16:03 24.4 7.6 26.9 6.48 6.89 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR9 Surface 1 1 16:03 24.4 7.6 26.9 6.44 6.92 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR9 Middle 2 1 16:03 24.4 7.6 26.9 6.44 6.92 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood<	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny			Middle		2	2	15:45						
TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR9 Surface 1 1 16:03 24.4 7.6 26.9 6.48 6.89 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR9 Surface 1 1 1 16:03 24.4 7.6 26.9 6.44 6.92 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR9 Middle 2 1 16:03 24.4 7.6 26.9 6.44 6.92 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR9 Middle 2 1 16:03 24.4 7.6 26.9 6.44 6.92 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR9 Bottom 4.6 3 1 16:03 24.6 7.7 27.2 6.36 7 8. TMCLKL HY/2012/08 2014-11-19 Mid-Flood	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny			Bottom	4.5	3	1	15:45	24.6	7.65	27.2	6.3	6.82	7.5
TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR9 Surface 1 1 2 16:03 24.4 7.64 26.9 6.44 6.92 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR9 Middle 2 1 16:03 24.4 7.64 26.9 6.44 6.92 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR9 Middle 2 2 1 16:03 2 2 6.34 7.12 8. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR9 Bottom 4.6 3 1 16:03 24.6 7.72 27.2 6.34 7.12 8. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR9 Bottom 4.6 3 2 16:03 24.6 7.72 27.2 6.36 7 8. TMCLKL HY/2012/08 2014-11-19 Mi	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	SR8	Bottom	4.5	3	2	15:45	24.7	7.68	27.2	6.34	6.78	7.9
TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR9 Middle 2 1 16:03 1 16:03 1 16:03 1 16:03 1 16:03 1 16:03 1 16:03 1 16:03 1 16:03 1 16:03 1 16:03 1 16:03 1 16:03 1 16:03 1 16:03 2 2 16:03 1 16:03 2 1 16:03 2 1 16:03 2 1 16:03 2 1 16:03 2 1 16:03 2 1 16:03 2 1 16:03 2 1 <t< td=""><td>TMCLKL</td><td>HY/2012/08</td><td>2014-11-19</td><td>Mid-Flood</td><td>Sunny</td><td>Small Wave</td><td>SR9</td><td>Surface</td><td>1</td><td>1</td><td>1</td><td>16:03</td><td>24.4</td><td>7.6</td><td>26.9</td><td>6.48</td><td>6.89</td><td>7.5</td></t<>	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	SR9	Surface	1	1	1	16:03	24.4	7.6	26.9	6.48	6.89	7.5
TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR9 Middle 2 2 16:03 <	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	SR9	Surface	1	1	2	16:03	24.4	7.64	26.9	6.44	6.92	7.7
TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR9 Bottom 4.6 3 1 16:03 24.6 7.72 27.2 6.34 7.12 8. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR9 Bottom 4.6 3 2 16:03 24.6 7.72 27.2 6.34 7.12 8. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR9 Bottom 4.6 3 2 16:03 24.6 7.72 27.2 6.36 7 8. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Surface 1 1 1 15:24 24.6 7.7 27.1 6.66 6.72 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Surface 1 1 1 15:24 24.6 7.7 27.2 6.54 6.86 7.7 TMCLKL HY/20	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	SR9	Middle		2	1	16:03						
TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR9 Bottom 4.6 3 2 16:03 24.5 7.76 27.2 6.36 7 8. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Surface 1 1 15:24 24.6 7.6 27.1 6.64 6.68 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Surface 1 1 15:24 24.6 7.7 27.1 6.66 6.72 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Surface 1 1 15:24 24.6 7.7 27.2 6.66 6.72 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Midle 7.8 2 1 15:24 24.6 7.7 27.2 6.54 6.86 7. TMCLKL HY/2012/08 2014-11-19 Mid-F	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	SR9	Middle		2	2	16:03						
TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR9 Bottom 4.6 3 2 16:03 24.5 7.6 27.2 6.36 7 8. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Surface 1 1 15:24 24.6 7.6 27.1 6.64 6.68 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Surface 1 1 15:24 24.6 7.7 27.1 6.66 6.72 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Surface 1 1 15:24 24.6 7.7 27.2 6.66 6.72 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Midle 7.8 2 1 15:24 24.6 7.7 27.2 6.54 6.86 7. TMCLKL HY/2012/08 2014-11-19 Mid-Fl	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	SR9	Bottom	4.6	3	1	16:03	24.6	7.72	27.2	6.34	7.12	8.2
TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Surface 1 1 2 15:24 24.6 7.7 27 6.66 6.72 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Middle 7.8 2 1 15:24 24.6 7.7 27.2 6.54 6.86 7.7 TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Middle 7.8 2 1 15:24 24.6 7.7 27.2 6.54 6.86 7.7 TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Middle 7.8 2 2 15:24 24.7 7.3 27.2 6.5 6.89 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Bottom 14.6 3 1 15:24 24.7 7.6 27.3 6.46 7.1 8. TMCLKL	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	SR9	Bottom	4.6	3	2	16:03	24.5	7.76	27.2	6.36	7	8.5
TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Middle 7.8 2 1 15:24 24.6 7.72 27.2 6.54 6.86 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Middle 7.8 2 1 15:24 24.7 7.73 27.2 6.54 6.89 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Middle 7.8 2 2 15:24 24.7 7.73 27.2 6.5 6.89 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Bottom 14.6 3 1 15:24 24.7 7.6 27.3 6.46 7.1 8. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Bottom 14.6 3 2 15:24 24.7 7.63 27.3 6.48 7.14 8.	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	SR10A	Surface	1	1	1	15:24	24.6	7.67	27.1	6.64	6.68	7.4
TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Middle 7.8 2 2 15:24 24.7 7.73 27.2 6.5 6.89 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Bottom 14.6 3 1 15:24 24.7 7.6 27.3 6.46 7.1 8. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Bottom 14.6 3 1 15:24 24.7 7.6 27.3 6.46 7.1 8. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Bottom 14.6 3 2 15:24 24.7 7.63 27.3 6.48 7.14 8.	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	SR10A	Surface	1	1	2	15:24	24.6	7.7	27	6.66	6.72	7.6
TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Middle 7.8 2 2 15:24 24.7 7.73 27.2 6.5 6.89 7. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Bottom 14.6 3 1 15:24 24.7 7.6 27.3 6.46 7.1 8. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Bottom 14.6 3 1 15:24 24.7 7.6 27.3 6.46 7.1 8. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Bottom 14.6 3 2 15:24 24.7 7.63 27.3 6.48 7.14 8.	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	SR10A	Middle	7.8	2	1	15:24	24.6	7.72	27.2	6.54	6.86	7.8
TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Bottom 14.6 3 1 15:24 24.7 7.6 27.3 6.46 7.1 8. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Bottom 14.6 3 1 15:24 24.7 7.6 27.3 6.46 7.1 8. TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Bottom 14.6 3 2 15:24 24.7 7.63 27.3 6.48 7.14 8.	TMCLKL	HY/2012/08	2014-11-19	Mid-Flood	Sunny	Small Wave	SR10A	Middle		2	2	15:24	24.7	7.73	27.2	6.5	6.89	7.5
TMCLKL HY/2012/08 2014-11-19 Mid-Flood Sunny Small Wave SR10A Bottom 14.6 3 2 15:24 24.7 7.63 27.3 6.48 7.14 8.	TMCLKL		2014-11-19	Mid-Flood		Small Wave	SR10A			3	1	15:24				6.46		8.2
				Mid-Flood				Bottom		3	2	15:24		7.63				8.1
	TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		CS4	Surface	1	1	1	08:58	24.2	7.87	27	6.14	6.87	7.6
	TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		CS4		1	1	2		24.3			6.15	6.91	7.5

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	2014-11-19	Mid-Ebb	Fine	Small Wave	CS4	Middle	9.7	2	1	08:58	24.5	7.71	27	6.23	7.04	8.4
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine	Small Wave	CS4	Middle	9.7	2	2	08:58	24.6	7.73	27.2	6.25	7.01	8.3
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine	Small Wave	CS4	Bottom	18.3	3	1	08:58	24.8	7.67	27.3	6.03	7.21	8.4
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		CS4	Bottom	18.3	3	2	08:58	24.9	7.68	27.2	6.02	7.23	8.7
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		CS6	Surface	1	1	1	11:38	24.3	7.64	26.7	6.45	7	8
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		CS6	Surface	1	1	2	11:38	24.4	7.65	26.9	6.46	6.98	8.1
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		CS6	Middle	6.7	2	1	11:38	24.5	7.71	26.8	6.36	7.09	8
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		CS6	Middle	6.7	2	2	11:38	24.6	7.73	27	6.38	7.11	8.3
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		CS6	Bottom	12.4	3	1	11:38	24.7	7.79	27.1	6.16	7.21	8.4
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		CS6	Bottom	12.4	3	2	11:38	24.8	7.8	27.2	6.18	7.24	8.7
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		IS12	Surface	1	1	1	09:38	24.3	7.64	26.9	6.26	7	8.2
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		IS12	Surface	1	1	2	09:38	24.4	7.65	27	6.28	7.01	8.4
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		IS12	Middle	7.2	2	1	09:38	24.5	7.71	27.1	6.21	7.1	8.3
TMCLKL	HY/2012/08 HY/2012/08	2014-11-19	Mid-Ebb	Fine		IS12	Middle	7.2	2	2	09:38	24.5	7.69	27.2	6.23	7.11	8.5
		2014-11-19	Mid-Ebb	Fine Fine		IS12	Bottom	13.4	3		09:38	24.8	7.8 7.81	27	6.02 6.04	7.24	8.6
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-11-19 2014-11-19	Mid-Ebb Mid-Ebb	Fine	Small Wave	IS12 IS13	Bottom Surface	13.4	3	2	09:38 09:58	24.8 24.4	7.8	27.3 26.8	6.49	7.26 6.58	8.9 7.7
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine	Small Wave	IS13	Surface	1	1	2	09.58	24.4	7.81	26.9	6.5	6.6	7.5
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		IS13	Middle	5.9	2	1	09:58	24.5	7.68	20.9	6.37	6.7	7.8
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		IS13	Middle	5.9	2	2	09:58	24.0	7.69	27.2	6.38	6.73	7.4
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		IS13	Bottom	10.8	3	1	09:58	24.7		27.2	6.02	6.87	8.1
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		IS13	Bottom	10.8	3	2	09:58	24.8		27.3	6.01	6.88	7.9
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		IS14	Surface	1	1	1	09:18	24.4	7.73	27	6.12	7.09	8.1
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		IS14	Surface	1	1	2	09:18	24.5	7.74	26.9	6.14	7.11	8.3
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		IS14	Middle	6	2	1	09:18	24.7	7.79	27	6.22	7.24	8.4
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		IS14	Middle	6	2	2	09:18	24.7	-	27.1	6.24	7.22	8.1
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		IS14	Bottom	10.9	3	1	09:18	24.8		27.3	6.09	7.37	8.6
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		IS14	1	10.9	3	2	-	24.9	7.63		6.08	7.4	8.5
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		IS15	Surface	1	1	1	10:18	24.4		26.8	6.42	6.79	7.8
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		IS15	Surface	1	1	2	10:18	24.5		27	6.44	6.82	7.5
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine	Small Wave	IS15	Middle	5.7	2	1	10:18	24.6		27	6.36	7	8.2
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine	Small Wave	IS15	Middle	5.7	2	2	10:18	24.5	7.72	27.1	6.38	7.01	8.5
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine	Small Wave	IS15	Bottom	10.4	3	1	10:18	24.7	7.83	27.2	6.15	7.12	8.2
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine	Small Wave	IS15	Bottom	10.4	3	2	10:18	24.7	7.84	27.3	6.13	7.11	8.5
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine	Small Wave	SR8	Surface	1	1	1	10:58	24.3	7.62	26.8	6.51	6.78	7.9
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine	Small Wave	SR8	Surface	1	1	2	10:58	24.4	7.63	26.9	6.52	6.8	7.5
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine	Small Wave	SR8	Middle		2	1	10:58						
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine	Small Wave	SR8	Middle		2	2	10:58						
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine	Small Wave	SR8	Bottom	3.9	3	1	10:58	24.5	-	27	6.25	6.91	8.2
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		SR8	Bottom	3.9	3	2	10:58	24.5		27.2	6.29	6.93	8.3
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		SR9	Surface	1	1	1	10:38	24.3	7.7	26.8	6.33	7	8
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		SR9	Surface	1	1	2	10:38	24.2	7.71	26.9	6.35	7.02	8.3
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		SR9	Middle		2	1	10:38						
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		SR9	Middle		2	2	10:38						
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		SR9	1	4.1	3	1	10:38	24.5		27	6.22	7.14	8.4
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		SR9	Bottom	4.1	3	2	10:38	24.5		27.1	6.24	7.17	8.5
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		SR10A	Surface	1	1	1	11:18	24.5	_	26.8	6.57	6.81	7.6
TMCLKL	HY/2012/08	2014-11-19	Mid-Ebb	Fine		SR10A	Surface	1	1	2	11:18	24.5		26.9	6.59	6.83	7.5
	HY/2012/08	2014-11-19	Mid-Ebb	Fine		SR10A	Middle	7.6	2		11:18	24.5	7.8	27	6.41	7.01	8.2
	HY/2012/08	2014-11-19	Mid-Ebb	Fine		SR10A	Middle	7.6	2	2	11:18	24.6		26.8	6.4	7.01	8.3
	HY/2012/08	2014-11-19	Mid-Ebb	Fine		SR10A	Bottom	14.1	3	1	11:18	24.7	-	27.1	6.35	7.09	0 0 <i>F</i>
	HY/2012/08	2014-11-19	Mid-Ebb	Fine		SR10A	Bottom	14.1	3	2	11:18	24.9		27.3	6.38	7.1	8.5
	HY/2012/08	2014-11-21	Mid-Flood	Fine Fine		CS4	Surface	1	1	2	18:43	24.7		27.4	6.9 6.94	5.88 5.8	6.8
	HY/2012/08	2014-11-21 2014-11-21	Mid-Flood	Fine		CS4 CS4	Surface Middle	10.9	2	1	18:43 18:43	24.7	7.99	27.5 27.7	6.94 6.98	6.18	6.5
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-11-21	Mid-Flood Mid-Flood	Fine		CS4 CS4	Middle	10.8	2	2	18:43	24.8 24.8	8.01		6.96	6.22	72
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		CS4 CS4	Bottom	10.8 20.6	2	1	18:43	24.8		27.8 28	7.05	6.01	7.3 7.1
		2014-11-21		Fine	Small Wave		Bottom		3	2	18:43		8.07		7.05	5.97	6.8
	111/2012/00	2014-11-21			Joniali Wave	004		20.0	р	14	10.43	24.0	10.07	20	1.09	5.31	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	2014-11-21	Mid-Flood	Fine	Small Wave	CS6	Surface	1	1	1	15:57	24.9	8.01	27.8	6.54	5.4	6.6
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		CS6	Surface	1	1	2	15:57	24.8	8.02	27.9	6.5	5.46	6.7
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine	Small Wave	CS6	Middle	6	2	1	15:57	24.9	8.03	27.9	6.59	5.68	6.9
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine	Small Wave	CS6	Middle	6	2	2	15:57	24.9	8.05	28	6.61	5.72	7.2
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine	Small Wave	CS6	Bottom	11	3	1	15:57	25	8.05	28	6.46	5.92	7.3
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine	Small Wave	CS6	Bottom	11	3	2	15:57	25	8.07	28.1	6.41	5.98	7.5
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine	Small Wave	IS12	Surface	1	1	1	18:03	24.7	8.01	27.4	6.62	5.8	6.7
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine	Small Wave	IS12	Surface	1	1	2	18:03	24.8	8.03	27.4	6.57	5.84	7.1
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		IS12	Middle	7.7	2	1	18:03	24.8	8.02	27.6	6.78	6.63	8.1
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		IS12	Middle	7.7	2	2	18:03	24.8	8.05	27.7	6.82	6.68	7.8
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		IS12	Bottom	14.4	3	1	18:03	24.8	8.03	27.8	7.06	6.89	8
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		IS12	Bottom	14.4	3	2	18:03	24.9	8.06	27.7	7	6.83	8.3
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		IS13	Surface	1	1	1	17:43	24.7	8.01	27.7	6.46	6.1	7
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		IS13	Surface	1	1	2	17:43	24.8	8.02	27.6	6.49	6.05	7.2
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		IS13	Middle	6	2	1	17:43	24.8	8.03	27.7	6.62	6.57	7.7
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		IS13	Middle	6	2	2	17:43	24.7	8.05	27.7	6.58	6.53	7.9
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine	Small Wave	IS13	Bottom	11	3	1	17:43	24.9	8.06	27.8	6.78	6.8	8.1
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		IS13	Bottom	11	3	2	17:43	24.9	8.08	27.8	6.76	6.74	8.3
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		IS14	Surface	1	1	1	18:23	24.7		27.2	6.2	5.39	6.4
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		IS14	Surface	1	1	2	18:23	24.6	7.96	27.3	6.23	5.43	6.7
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		IS14	Middle	8.6	2	1	18:23	24.7	7.98	27.5	6.28	6.75	7.8
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		IS14	Middle	8.6	2	2	18:23	24.8	7.99	27.6	6.31	6.71	7.5
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine	Small Wave	IS14	Bottom	16.2	3	1	18:23	24.8	8	27.8	6.46	6.47	7.7
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		IS14	Bottom	16.2	3	2	18:23	24.9	8.01	27.7	6.42	6.51	7.4
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine	Small Wave	IS15	Surface	1	1	1	17:23	24.8	8.02	27.7	6.63	6.28	7.2
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine	Small Wave	IS15	Surface	1	1	2	17:23	24.9	8.04	27.7	6.6	6.32	7.5
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine	Small Wave	IS15	Middle	5.8	2	1	17:23	24.8	8.02	27.8	6.82	6.68	7.8
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine	Small Wave	IS15	Middle	5.8	2	2	17:23	24.9	8.03	27.8	6.78	6.62	7.4
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine	Small Wave	IS15	Bottom	10.6	3	1	17:23	25	8.03	27.8	6.86	6.88	8
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		IS15	Bottom	10.6	3	2	17:23	25	8.04	27.9	6.79	6.93	7.7
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine	Small Wave	SR8	Surface	1	1	1	16:43	24.8		27.6	6.48	5.49	6.3
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		SR8	Surface	1	1	2	16:43	24.7	8.08	27.7	6.46	5.55	6.5
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		SR8	Middle		2	1	16:43						
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		SR8	Middle		2	2	16:43						
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		SR8	Bottom	4	3	1	16:43	24.8	8.09	27.7	6.42	5.35	6.8
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		SR8	Bottom	4	3	2	16:43	24.9	8.1	27.8	6.4	5.42	6.5
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		SR9	Surface	1	1	1	17:03	24.9	_	27.7	6.39	5.17	6
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		SR9	Surface	1	1	2	17:03	24.8	8.06	27.8	6.43	5.22	6.4
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		SR9	Middle		2	1	17:03						
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		SR9	Middle		2	2	17:03						
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		SR9	Bottom	4.9	3	1	17:03	24.9	_	27.8	6.34	5.29	6.5
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		SR9	Bottom	4.9	3	2	17:03	24.9	_	27.8	6.32	5.23	6.7
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		SR10A	Surface	1	1	1	16:23	24.8	_	27.7	6.26	5.18	6
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		SR10A	Surface	1	1	2	16:23	24.8	_	27.8	6.22	5.26	6.3
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		SR10A	Middle	6.5	2	1	16:23	24.9	_	28	6.12	6.22	6.4
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		SR10A	Middle	6.5	2	2	16:23	24.9		28	6.09	6.28	6.7
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		SR10A	Bottom	12	3	1	16:23	24.9	-	28.1	5.96	6.6	6.9
TMCLKL	HY/2012/08	2014-11-21	Mid-Flood	Fine		SR10A	Bottom	12	3	2	16:23	25		28.2	5.99	6.68	7.1
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine		CS4	Surface	1	1	1	10:21	24.9	_	27.5	6.84	5.94	6.3
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine		CS4	Surface	1	1	2	10:21	24.8	_	27.6	6.87	5.85	6.7
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine		CS4	Middle	10.6	2	1	10:21	24.9		27.8	6.93	6.24	7.5
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine		CS4	Middle	10.6	2	2	10:21	24.9		27.9	6.91	6.29	7.9
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine		CS4	Bottom	20.2	3	1	10:21	25	8.1	28.1	6.99	6.07	7.4
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine		CS4	Bottom	20.2	3	2	10:21	25	_	28	7.01	6.03	7.7
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine		CS6	Surface	1	1	1	12:32	25	8.07	27.9	6.47	5.46	6.6
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine		CS6	Surface	1	1	2	12:32	24.9	_	28	6.44	5.51	6.4
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine		CS6		5.8	2	1	12:32	25	8.09		6.52	5.73	6.9
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	CS6	Middle	5.8	2	2	12:32	25	8.1	28.1	6.55	5.79	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	2014-11-21	Mid-Ebb	Fine	Small Wave	CS6	Bottom	10.6	3	1	12:32	25.1	8.12	28.1	6.4	5.98	7.1
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	CS6	Bottom	10.6	3	2	12:32	25.1	8.13	28.2	6.37	6.05	7.3
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	IS12	Surface	1	1	1	10:59	24.8	8.07	27.5	6.55	5.84	6.8
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	IS12	Surface	1	1	2	10:59	24.9	8.08	27.6	6.5	5.89	6.6
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	IS12	Middle	7.5	2	1	10:59	24.9	8.09	27.7	6.71	6.69	7.4
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	IS12	Middle	7.5	2	2	10:59	24.9	8.1	27.8	6.74	6.74	7.7
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	IS12	Bottom	14	3	1	10:59	24.9	8.11	27.9	7	6.93	8
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	IS12	Bottom	14	3	2	10:59	25	8.12	27.9	6.94	6.87	7.7
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	IS13	Surface	1	1	1	11:19	24.9	8.07	27.8	6.4	6.18	7.2
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	IS13	Surface	1	1	2	11:19	24.9	8.08	27.7	6.44	6.11	6.9
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	IS13	Middle	5.8	2	1	11:19	24.9	8.1	27.8	6.56	6.62	7.8
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	IS13	Middle	5.8	2	2	11:19	24.9	_	27.8	6.53	6.69	7.6
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	IS13	Bottom	10.6	3	1	11:19	25	_	27.9	6.74	6.85	8.1
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	IS13	Bottom	10.6	3	2	11:19	25		27.9	6.7	6.8	7.9
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	IS14	Surface	1	1	1	10:41	24.8	8.01	27.3	6.14	5.44	6.3
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	IS14	Surface	1	1	2	10:41	24.8	_	27.4	6.17	5.49	6.7
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	IS14	Middle	8.4	2	1	10:41	24.8	_	27.6	6.22	6.81	7.5
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	IS14	Middle	8.4	2	2	10:41	24.9	_	27.7	6.25	6.75	7.9
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	IS14	Bottom	15.8	3	1	10:41	24.9		27.9	6.4	6.52	7.4
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	IS14	Bottom	15.8	3	2	10:41	25		27.9	6.37	6.58	7.7
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	IS15	Surface	1	1	1	11:39	24.9	8.09	27.8	6.57	6.34	6.4
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	IS15	Surface	1	1	2	11:39	25	8.1	27.8	6.54	6.39	6.7
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	IS15	Middle	5.6	2	1	11:39	24.9	8.08	27.9	6.76	6.72	7.8
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	IS15	Middle	5.6	2	2	11:39	25	8.08	27.8	6.72	6.67	7.6
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	IS15	Bottom	10.2	3	1	11:39	25	8.09	27.9	6.81	6.94	8.2
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	IS15	Bottom	10.2	3	2	11:39	25	8.1	27.9	6.83	6.99	7.8
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	SR8	Surface	1	1	1	12:14	24.9	_	27.7	6.42	5.54	6.7
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine		SR8	Surface	1	1	2	12:14	24.9	8.14	27.8	6.4	5.6	6.5
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	SR8	Middle		2	1	12:14						_ _ /
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine		SR8	Middle		2	2	12:14	01.0	0.45	07.0	0.00	F 44	
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	SR8	Bottom	3.6	3	1	12:14	24.9	8.15		6.36	5.41	6.8
	HY/2012/08	2014-11-21 2014-11-21	Mid-Ebb	Fine Fine		SR8 SR9	Bottom	3.6	3	2	12:14 12:00	25	-	27.9	6.33	5.47 5.23	6.9
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-11-21	Mid-Ebb Mid-Ebb	Fine	Small Wave Small Wave	SR9 SR9	Surface Surface	1	1	2	12:00	25 24.9		27.8 27.9	6.33 6.35	5.29	6.1 6.4
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	SR9 SR9	Middle		2	2	12:00	24.9	0.12	27.9	0.35	5.29	0.4
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine		SR9 SR9	Middle		2	1	12:00		-				
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	SR9 SR9	1	4.6	2	2	12:00	25	0 1 2	27.9	6.29	5.34	6.6
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine		SR9 SR9	Bottom	4.6	3	2	12:00	25	8.13		6.29	5.38	6.7
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	SR10A	Surface	4.0	3	2	12:59	24.9	_	27.8	6.21	5.24	6.1
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	SR10A	Surface	1	1	2	12:59	24.5	_	27.9	6.17	5.32	6.3
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	SR10A	Middle	6.3	2	1	12:59	25		28.1	6.06	6.27	6.4
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	SR10A	Middle	6.3	2	2	12:59	25	_	28.1	6.03	6.35	6.7
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine	Small Wave	SR10A	Bottom	11.6	3	1	12:59	25	_	28.2	5.91	6.65	6.9
TMCLKL	HY/2012/08	2014-11-21	Mid-Ebb	Fine		SR10A	Bottom	11.6	3	2	12:59	25.1	-	28.3	5.93	6.73	7
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	CS4	Surface	1	1	1	10:13	24.4	_	27.8	6.87	5.76	6.4
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	CS4	Surface	1	1	2	10:13	24.5	_	27.8	6.84	5.7	6.7
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	CS4	Middle	10.7	2	1	10:13	24.5	-	27.9	6.8	5.69	6.9
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	CS4	Middle	10.7	2	2	10:13	24.5	-	27.9	6.77	5.65	6.7
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	CS4	Bottom	20.4	3	1	10:13	24.5	8.1	28	6.69	6.05	17
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	CS4	Bottom	20.4	3	2	10:13	24.6	8.11	28.1	6.65	6.12	7.3
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	CS6	Surface	1	1	1	07:56	24	8.1	27.9	6.72	5.18	6.3
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	CS6	Surface	1	1	2	07:56	24.1	_	28	6.75	5.25	6.5
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	CS6	Middle	6	2	1	07:56	24.1		28	6.78	5.09	6.5
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	CS6	Middle	6	2	2	07:56	24.2	_	28.1	6.76	5.13	6.4
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	CS6	Bottom	11	3	1	07:56	24.2	_	28.2	6.7	5.76	6.8
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	CS6	Bottom	11	3	2	07:56	24.3	_	28.2	6.68	5.7	7
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	IS12	Surface	1	1	1	09:43	24.3	_	27.8	6.8	5.63	6.7
		2014-11-24		Fine	Calm	IS12	Surface	1	1	2	09:43		8.05		6.76	5.69	6.8
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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	2014-11-24	Mid-Flood	Fine	Calm	IS12	Middle	7.7	2	1	09:43	24.4	8.07	27.9	6.83	5.55	6.8
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	IS12	Middle	7.7	2	2	09:43	24.4	8.08	27.9	6.85	5.5	7
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	IS12	Bottom	14.4	3	1	09:43	24.5	8.09	28	6.7	5.88	7.2
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	IS12	Bottom	14.4	3	2	09:43	24.5	8.1	28.1	6.68	5.81	7.5
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	IS13	Surface	1	1	1	09:24	24.2		27.9	6.73	5.48	6.1
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	IS13	Surface	1	1	2	09:24	24.3	8.13	28	6.7	5.54	6.3
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	IS13	Middle	6	2	1	09:24	24.3	8.1	28	6.83	5.4	6.9
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	IS13	Middle	6	2	2	09:24	24.3	8.11	28	6.86	5.35	6.7
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	IS13	Bottom	11	3	1	09:24	24.3	8.13	28.1	6.67	5.69	7
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	IS13	Bottom	11	3	2	09:24	24.4	8.14	28.2	6.63	5.74	7.3
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	IS14	Surface	1	1	1	09:58	24.4	8.07	27.7	6.64	5.54	6.2
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	IS14	Surface	1	1	2	09:58	24.4	8.08	27.8	6.6	5.49	6.3
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	IS14		8.5	2	1	09:58	24.4	8.08	27.9	6.71	5.62	6.8
	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	IS14		8.5	2	2	09:58	24.5	8.09	27.9	6.73	5.67	6.5
	HY/2012/08	2014-11-24	Mid-Flood	Fine Fine	Calm	IS14	Bottom	16	3	1	09:58	24.5	8.11	28	6.58	5.93	7.2
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-11-24 2014-11-24	Mid-Flood Mid-Flood	Fine	Calm Calm	IS14 IS15	Bottom Surface	16	3	2	09:58	24.5 24.2	8.12 8.1	28.1 27.9	6.55 6.74	6 5.62	6.9
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	IS15 IS15	Surface	1	1	2	09:03 09:03	24.2	8.11	27.9	6.77	5.57	7.4
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	IS15 IS15		5.9	2	2	09:03	24.2	8.1	27.9	6.8	5.43	6.7
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	IS15		5.9	2	2	09:03	24.2	8.09	28	6.81	5.38	6.5
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	IS15	Bottom	10.8	2	1	09:03	24.3	8.1	28.1	6.72	5.76	6.8
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	IS15	Bottom	10.8	3	2	09:03	24.4	8.11	28.2	6.69	5.81	7.2
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	SR8	Surface	1	1	1	08:35	24.4	8.08	27.8	6.7	5.32	6.4
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	SR8	Surface	1	1	2	08:35	24.1		27.8	6.66	5.38	6.7
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	SR8	Middle		2	1	08:35	27.1	0.00	21.0	0.00	0.00	0.7
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	SR8	Middle		2	2	08:35						
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	SR8		4.4	3	1	08:35	24.2	8.1	27.9	6.5	5.55	6.6
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	SR8	Bottom		3	2	08:35	24.2		27.9	6.46	5.6	6.9
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	SR9	Surface	1	1	1	08:47	24.1		27.8	6.83	5.09	5.9
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	SR9	Surface	1	1	2	08:47	24.2		27.9	6.8	5.15	5.9
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	SR9	Middle		2	1	08:47						-
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	SR9	Middle		2	2	08:47						
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	SR9	Bottom	4.8	3	1	08:47	24.2	8.11	27.9	6.59	5.34	6.4
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	SR9	Bottom	4.8	3	2	08:47	24.2	8.12	28	6.61	5.4	6.7
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	SR10A	Surface	1	1	1	08:15	24	8.02	27.6	6.67	5.09	6.1
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	SR10A	Surface	1	1	2	08:15	23.9	8.03	27.7	6.65	5.12	6.3
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	SR10A	Middle	6.4	2	1	08:15	24	8.05	27.7	6.7	5.19	6.4
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	SR10A	Middle	6.4	2	2	08:15	24.1	-	27.8	6.73	5.24	6.5
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	SR10A	Bottom	11.8	3	1	08:15	24.3		28	6.6	5.83	6.8
TMCLKL	HY/2012/08	2014-11-24	Mid-Flood	Fine	Calm	SR10A		11.8	3	2	08:15	24.3		28.1	6.57	5.89	7.1
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	CS4	Surface	1	1	1	12:25	24.6		27.9	6.82	5.81	6.5
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	CS4	Surface	1	1	2	12:25	24.6		28	6.78	5.77	6.8
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	CS4	Middle	10.5	2	1	12:25	24.6	-	28.1	6.75	5.74	6.9
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	CS4	Middle	10.5	2	2	12:25	24.7	8.2	28	6.72	5.71	7.1
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	CS4		20	3	1	12:25	24.7		28.1	6.62	6.12	7.5
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	CS4		20	3	2	12:25	24.8		28.2	6.6	6.18	7.6
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	CS6	Surface	1	1	1	15:11	24.1	-	28	6.66	5.25	6.2
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	CS6	Surface	1	1	2	15:11	24.2		28.2	6.7	5.3	6.7
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	CS6		5.8	2		15:11	24.2		28.2	6.72	5.14	6.3
	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	CS6		5.8	2	2	15:11	24.4	8.2	28.2	6.71	5.18	6.5
	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	CS6	Bottom	10.6	3 2		15:11	24.3		28.3	6.65	5.8	7.2
	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	CS6		10.6	3	2	15:11	24.4	8.21	28.4	6.62	5.76	7.5
	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	IS12	Surface	1	1	2	13:11	24.4	_	27.9	6.75 6.71	5.69	6.5
	HY/2012/08	2014-11-24	Mid-Ebb	Fine Fine	Calm	IS12	Surface Middlo	75	2	2	13:11	24.5	8.1	27.9		5.74	6.9
	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm Calm	IS12 IS12		7.5	2	2	13:11	24.6		28	6.77 6.79	5.6 5.56	6.4 6.7
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-11-24 2014-11-24	Mid-Ebb Mid-Ebb	Fine	Calm	IS12 IS12	Bottom	7.5 14	2	1	13:11 13:11	24.6 24.6	-	28 28.1	6.64	5.94	7.2
	HY/2012/08	2014-11-24		Fine	Calm		Bottom		3	2	13:11		8.14		6.62	5.87	7.3
	111/2012/00	2014-11-24					DOLIOIT	114	lo Io	14	10.11	24.1	10.10	20.2	0.02	5.07	1.5

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	2014-11-24	Mid-Ebb	Fine	Calm	IS13	Surface	1	1	1	13:31	24.3	8.17	28	6.68	5.53	6.2
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	IS13	Surface	1	1	2	13:31	24.4	8.18	28.1	6.64	5.59	6.4
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	IS13	Middle	5.8	2	1	13:31	24.4	8.15	28.1	6.78	5.46	6.6
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	IS13	Middle	5.8	2	2	13:31	24.5	8.17	28.2	6.8	5.41	6.7
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	IS13	Bottom	10.6	3	1	13:31	24.4	8.18	28.2	6.62	5.74	6.8
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	IS13	Bottom	10.6	3	2	13:31	24.6	8.21	28.3	6.58	5.8	7
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	IS14	Surface	1	1	1	12:51	24.5	8.13	27.9	6.58	5.6	6.6
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	IS14	Surface	1	1	2	12:51	24.5	8.15	27.9	6.55	5.55	6.7
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	IS14	Middle	8.3	2	1	12:51	24.6	8.14	28	6.66	5.69	6.8
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	IS14	Middle	8.3	2	2	12:51	24.6	8.15	28	6.68	5.72	6.5
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	IS14	Bottom	15.6	3	1	12:51	24.6	8.16	28.1	6.52	5.99	7.1
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	IS14	Bottom	15.6	3	2	12:51	24.7	8.18	28.2	6.49	6.05	7.3
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	IS15	Surface	1	1	1	13:51	24.3	8.16	28	6.69	5.68	6.2
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	IS15	Surface	1	1	2	13:51	24.4	8.19	28	6.71	5.62	6.5
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	IS15	Middle	5.7	2	1	13:51	24.4	8.15	28	6.74	5.49	6.6
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	IS15	Middle	5.7	2	2	13:51	24.5	8.13	28.1	6.76	5.43	6.4
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	IS15	Bottom	10.4	3	1	13:51	24.4	8.15	28.2	6.67	5.82	6.9
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	IS15	Bottom	10.4	3	2	13:51	24.6	8.16	28.3	6.63	5.86	7.1
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	SR8	Surface	1	1	1	14:31	24.2	8.13	27.9	6.65	5.39	6.1
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine		SR8	Surface	1	1	2	14:31	24.2	8.16	28	6.61	5.42	6.3
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	SR8	Middle		2	1	14:31						
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	SR8	Middle		2	2	14:31						
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	SR8	Bottom	4	3	1	14:31	24.3	8.15	28	6.45	5.61	6.9
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	SR8	Bottom	4	3	2	14:31	24.4	8.17	28.1	6.41	5.64	7.1
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	SR9	Surface	1	1	1	14:11	24.2	8.15	27.9	6.78	5.14	6.3
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	SR9	Surface	1	1	2	14:11	24.3	8.17	28	6.74	5.2	6.3
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	SR9	Middle		2	1	14:11						
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	SR9	Middle		2	2	14:11						
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	SR9	Bottom	4.4	3	1	14:11	24.3	8.16	28	6.52	5.39	6.7
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	SR9	Bottom	4.4	3	2	14:11	24.4	8.19	28.1	6.56	5.44	6.9
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	SR10A	Surface	1	1	1	14:51	24.1	8.06	27.7	6.62	5.15	6.1
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	SR10A	Surface	1	1	2	14:51	24	8.09	27.9	6.6	5.19	6.3
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	SR10A	Middle	6.2	2	1	14:51	24.1	8.1	27.8	6.65	5.24	6.2
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	SR10A	Middle	6.2	2	2	14:51	24.2	8.12	27.9	6.69	5.3	6.5
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	SR10A	Bottom	11.4	3	1	14:51	24.4	_	28.1	6.56	5.88	6.8
TMCLKL	HY/2012/08	2014-11-24	Mid-Ebb	Fine	Calm	SR10A	Bottom	11.4	3	2	14:51	24.4		28.2	6.52	5.93	7.1
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm	CS4	Surface	1	1	1	11:30	24.4		27.9	6.83	5.72	6.8
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm	CS4	Surface	1	1	2	11:30	24.4	_	28	6.78	5.65	6.6
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm	CS4	Middle	10.6	2	1	11:30	24.4	_	28	6.68	5.87	7.1
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		CS4	Middle	10.6	2	2	11:30	24.5		28.1	6.71	5.94	7
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm	CS4	Bottom	20.2	3	1	11:30	24.5		28.2	6.53	6.02	7.3
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		CS4	Bottom	20.2	3	2	11:30	24.5		28.3	6.48	6.09	7.4
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm	CS6	Surface	1	1	1	08:35	24.2		27.8	6.86	5.43	6.2
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		CS6	Surface	1	1	2	08:35	24.3		27.9	6.83	5.37	6.3
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm	CS6	Middle	6.1	2	1	08:35	24.3	8.1	27.9	6.88	5.28	6.4
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm	CS6	Middle	6.1	2	2	08:35	24.3	_	27.9	6.9	5.33	6.7
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm	CS6	Bottom	11.2	3	1	08:35	24.3		28	6.75	5.96	6.8
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm	CS6	Bottom	11.2	3	2	08:35	24.4	_	28.1	6.72	6.03	6.6
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm	IS12	Surface	1	1	1	10:42	24.3	-	28	6.78	5.73	6.4
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		IS12	Surface	1	1	2	10:42	24.3	8.15		6.75	5.68	6.3
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm	IS12	Middle	7.7	2	1	10:42	24.3	8.1	28	6.82	5.91	7.2
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		IS12	Middle	7.7	2	2	10:42	24.4	_	28.1	6.8	5.95	7.3
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm	IS12	Bottom	14.4	3	1	10:42	24.4	_	28.1	6.63	6.13	7.5
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		IS12	Bottom	14.4	3	2	10:42	24.5		28.2	6.61	6.19	7.6
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm	IS13	Surface	1	1	1	10:20	24.3	8.04	27.9	6.69	5.67	6.7
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		IS13	Surface	1	1	2	10:20	24.4		28	6.73	5.74	6.3
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm			6.1	2	1	10:20	24.4		28	6.7	5.94	6.8
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm	IS13	Middle	6.1	2	2	10:20	24.4	8.08	28	6.67	5.9	6.6

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		IS13	Bottom	11.2	3	1	10:20	24.4	8.09	28.2	6.43	6.08	7
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		IS13	Bottom	11.2	3	2	10:20	24.5	8.1	28.2	6.47	6.13	7.3
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		IS14	Surface	1	1	1	11:05	24.3	8.11	27.8	6.73	5.61	6.4
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm	IS14	Surface	1	1	2	11:05	24.4	8.12	27.9	6.7	5.66	6.6
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm	IS14	Middle	8.4	2	1	11:05	24.4	8.14	28	6.77	5.82	7
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm	IS14	Middle	8.4	2	2	11:05	24.4	8.15	28.1	6.79	5.88	6.8
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm	IS14	Bottom	15.8	3	1	11:05	24.4	8.16	28.2	6.64	5.97	6.9
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm	IS14	Bottom	15.8	3	2	11:05	24.4	8.17	28.2	6.59	6.04	7.1
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm	IS15	Surface	1	1	1	10:01	24.4	8.07	28	6.84	5.56	6.2
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm	IS15	Surface	1	1	2	10:01	24.4	8.08	28	6.8	5.61	6.5
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm	IS15	Middle	6	2	1	10:01	24.3	8.09	28	6.78	5.8	6.8
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm	IS15	Middle	6	2	2	10:01	24.4	8.1	28	6.76	5.86	6.5
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm	IS15	Bottom	11	3	1	10:01	24.4	8.11	28.1	6.54	5.93	7.2
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm	IS15	Bottom	11	3	2	10:01	24.5	8.12	28.2	6.51	5.99	7.3
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		SR8	Surface	1	1	1	09:29	24.2	8.1	27.8	6.74	5.49	6.2
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		SR8	Surface	1	1	2	09:29	24.3	8.11	27.9	6.72	5.53	6.7
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		SR8	Middle		2	1	09:29						
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		SR8	Middle		2	2	09:29						
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		SR8	Bottom	4.8	3	1	09:29	24.3	_	28	6.66	5.67	6.8
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		SR8	Bottom	4.8	3	2	09:29	24.3		27.9	6.63	5.74	7
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		SR9	Surface	1	1	1	09:45	24.2	8.11	27.9	6.77	5.33	6.2
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		SR9	Surface	1	1	2	09:45	24.3	8.12	28	6.74	5.39	6.5
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		SR9	Middle		2	1	09:45						
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		SR9	Middle		2	2	09:45						
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		SR9	Bottom	4.6	3	1	09:45	24.3	-	28	6.64	5.58	6.6
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		SR9	Bottom	4.6	3	2	09:45	24.3	8.14	28.1	6.6	5.66	6.7
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine	Calm		Surface	1	1	1	09:02	24.2	8.08	27.7	6.81	5.32	6.4
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine			Surface		1	2	09:02	24.2		27.8	6.77	5.38	6.1
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		SR10A	Middle	6.3	2	1	09:02	24.2	8.1	27.8	6.85	5.21	6.4
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		SR10A	Middle	6.3	2	2	09:02	24.3	_	27.8	6.83	5.25	6.7
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		SR10A	Bottom	11.6	3	1	09:02	24.3	8.1	27.9	6.73	5.9	7.1
TMCLKL	HY/2012/08	2014-11-26	Mid-Flood	Fine		SR10A	Bottom	11.6	3	2	09:02	24.3		28	6.69	5.84	6.8
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine		CS4	Surface	1	1	1	13:59	24.5		28	6.77	5.76	6.5
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine		CS4	Surface	1	1	2	13:59	24.5		28.1	6.72	5.7	6.7
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine		CS4	Middle	10.4	2	1	13:59	24.5		28.2	6.62	5.94	7
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine		CS4	Middle	10.4	2	2	13:59	24.6		28.2	6.65	5.99	7.3
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine		CS4	Bottom	19.8	3	1	13:59	24.6		28.3	6.48	6.09	7
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine		CS4	Bottom	19.8	3	2	13:59	24.7		28.4	6.42	6.14	7.2
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine		CS6	Surface	1	1	1	16:45	24.3		27.9	6.8	5.49	6.4
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine		CS6	Surface	1	1	2	16:45	24.4	_		6.77	5.44	6.1
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine		CS6	Middle	5.9	2	1	16:45	24.4			6.81	5.34	6.4
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine		CS6	Middle	5.9	2	2	16:45	24.5	_	28.1	6.83	5.39	6.7
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine		CS6	Bottom	10.8	3		16:45	24.4	8.2	28.2	6.69	6.03	
	HY/2012/08	2014-11-26	Mid-Ebb	Fine		CS6	Bottom	10.8	3	2	16:45	24.5	_	28.2	6.65	6.09	7.2
	HY/2012/08	2014-11-26	Mid-Ebb	Fine		IS12	Surface	1	1	2	14:45	24.4	8.21	28.1	6.72	5.8	6.5
	HY/2012/08	2014-11-26	Mid-Ebb	Fine		IS12	Surface	75		4	14:45	24.4		28.1	6.69	5.74	6.4
	HY/2012/08	2014-11-26	Mid-Ebb	Fine		IS12	Middle	7.5	2		14:45	24.4	_	28.1	6.76	5.98	
	HY/2012/08	2014-11-26	Mid-Ebb	Fine		IS12	Middle	7.5	2	1	14:45	24.5		28.2	6.75	6 6.2	6.8
	HY/2012/08	2014-11-26	Mid-Ebb	Fine Fine		IS12	Bottom	14	3	2	14:45 14:45	24.6	8.2 8.22	28.2	6.58 6.55	6.25	7.4
	HY/2012/08	2014-11-26	Mid-Ebb Mid-Ebb	Fine		IS12	Bottom	14	3	1		24.6	8.22	28.3		5.72	7.2 6.6
	HY/2012/08	-		Fine		IS13	Surface	1	1	2	15:05	24.4	-	28 28.1	6.62 6.68	5.72	6.8
	HY/2012/08	2014-11-26	Mid-Ebb	Fine		IS13 IS13	Surface Middle	5.0	2	1	15:05	24.5	-			6	7.1
TMCLKL TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb Mid-Ebb	Fine			Middle	5.9 5.9	2	2	15:05	24.5	_	28.1 28.2	6.65 6.62	5.96	6.8
	HY/2012/08			Fine		IS13			2	1	15:05	24.6	_			6.14	
	HY/2012/08	2014-11-26	Mid-Ebb Mid-Ebb	Fine		IS13	Bottom	10.8	3	2	15:05	24.6 24.7		28.3	6.38 6.41	6.19	7.4
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-11-26	Mid-Ebb	Fine		IS13 IS14	Bottom Surface	10.8	1	1	15:05 14:25	24.7	_	28.3 27.9	6.67	5.68	6.6
	HY/2012/08 HY/2012/08			Fine	Small Wave		Surface	1	1	2	14:25		8.15		6.64	5.72	6.5
	111/2012/00	2014-11-20			Small Wave	1014	Journace	11	Ľ	<u> </u>	14.20	24.0	0.17	20	0.04	J.12	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	2014-11-26	Mid-Ebb	Fine	Small Wave	IS14	Middle	8.2	2	1	14:25	24.5	8.2	28.1	6.71	5.87	6.8
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine		IS14	Middle	8.2	2	2	14:25	24.6	8.21	28.1	6.74	5.93	7.1
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine	Small Wave	IS14	Bottom	15.4	3	1	14:25	24.6	8.23	28.2	6.59	6.03	7
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine	Small Wave	IS14	Bottom	15.4	3	2	14:25	24.6	8.25	28.3	6.54	6.1	7.2
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine	Small Wave	IS15	Surface	1	1	1	15:25	24.5	8.14	28.1	6.78	5.62	6.8
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine	Small Wave	IS15	Surface	1	1	2	15:25	24.5	8.16	28.1	6.75	5.68	6.4
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine	Small Wave	IS15	Middle	5.8	2	1	15:25	24.4	8.14	28.1	6.72	5.85	6.8
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine	Small Wave	IS15	Middle	5.8	2	2	15:25	24.5	8.17	28.2	6.7	5.92	6.7
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine	Small Wave	IS15	Bottom	10.6	3	1	15:25	24.5	8.18	28.3	6.49	5.98	7
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine	Small Wave	IS15	Bottom	10.6	3	2	15:25	24.6	8.19	28.3	6.45	6.04	7.2
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine	Small Wave	SR8	Surface	1	1	1	16:05	24.4	8.16	27.9	6.68	5.55	6.5
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine		SR8	Surface	1	1	2	16:05	24.4	8.18	27.9	6.66	5.58	6.7
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine	Small Wave	SR8	Middle		2	1	16:05						
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine	Small Wave	SR8	Middle		2	2	16:05						
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine	Small Wave	SR8	Bottom	4.4	3	1	16:05	24.4	8.19	28.1	6.59	5.74	6.8
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine	Small Wave	SR8	Bottom	4.4	3	2	16:05	24.5	8.21	28	6.56	5.8	6.5
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine	Small Wave	SR9	Surface	1	1	1	15:45	24.3	8.16	28	6.71	5.39	6.2
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine		SR9	Surface	1	1	2	15:45	24.4	8.18	28.1	6.68	5.44	6.5
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine		SR9	Middle		2	1	15:45						
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine	Small Wave	SR9	Middle		2	2	15:45						
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine	Small Wave	SR9	Bottom	4.2	3	1	15:45	24.4	8.19	28.1	6.58	5.63	6.8
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine	Small Wave	SR9	Bottom	4.2	3	2	15:45	24.5	8.2	28.2	6.54	5.7	7
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine	Small Wave	SR10A	Surface	1	1	1	16:25	24.3	8.14	27.5	6.75	5.38	6.2
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine	Small Wave	SR10A	Surface	1	1	2	16:25	24.3	8.15	27.9	6.71	5.44	6.7
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine	Small Wave	SR10A	Middle	6.1	2	1	16:25	24.3	8.16	27.9	6.79	5.28	6.2
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine	Small Wave	SR10A	Middle	6.1	2	2	16:25	24.4	8.17	28	6.77	5.32	6.4
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine	Small Wave	SR10A	Bottom	11.2	3	1	16:25	24.4	8.15	28	6.67	5.97	7
TMCLKL	HY/2012/08	2014-11-26	Mid-Ebb	Fine	Small Wave	SR10A	Bottom	11.2	3	2	16:25	24.5	8.17	28.1	6.62	5.9	6.8
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	CS4	Surface	1	1	1	13:40	24.5	8.14	27.9	6.74	5.86	6.9
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	CS4	Surface	1	1	2	13:40	24.6	8.15	28	6.7	5.89	7.1
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	CS4	Middle	10.7	2	1	13:40	24.6	8.12	28	6.79	5.96	6.8
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	CS4	Middle	10.7	2	2	13:40	24.6	8.13	28.1	6.82	6.03	7
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	20.4	3	1	13:40	24.6	8.09	28.2	6.63	6.43	7.8
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	CS4	Bottom	20.4	3	2	13:40	24.7	8.1	28.3	6.6	6.37	7.5
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	1	10:26	24.5	8.08	27.6	6.64	5.92	7.2
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	CS6	Surface	1	1	2	10:26	24.6	8.09	27.7	6.61	5.98	7.3
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	CS6	Middle	6.3	2	1	10:26	24.4	8.11	27.7	6.73	5.64	6.8
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	CS6	Middle	6.3	2	2	10:26	24.5	8.12	27.8	6.75	5.68	6.4
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	CS6	Bottom	11.6	3	1	10:26	24.5	8.1	27.9	6.79	6.24	7.7
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy		CS6	Bottom	11.6	3	2	10:26	24.5	-	27.9	6.81	6.2	7.9
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy		IS12	Surface	1	1	1	12:54	24.4		27.9	6.83	5.72	7
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy		IS12	Surface	1	1	2	12:54	24.4	8.15		6.81	5.77	7.3
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy		IS12	Middle	7.8	2	1	12:54	24.4	-	27.9	6.86	5.84	7.7
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy		IS12	Middle	7.8	2	2	12:54	24.5	_	28	6.87	5.88	7.6
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy		IS12	Bottom	14.6	3	1	12:54	24.5	_	28.1	6.74	5.96	8.1
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy		IS12	Bottom	14.6	3	2	12:54	24.5	-	28.1	6.71	6.03	8.4
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy		IS13	Surface	1	1	1	12:34	24.4	_	27.8	6.71	5.91	7.1
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy		IS13	Surface	1	1	2	12:34	24.4	8.1	27.8	6.68	5.97	7.3
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy		IS13	Middle	6.2	2	1	12:34	24.4	8.1	27.8	6.73	5.78	7.8
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy		IS13	Middle	6.2	2	2	12:34	24.5	_	27.8	6.76	5.83	7.5
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy		IS13	Bottom	11.4	3	1	12:34	24.5		27.9	6.67	6.14	8.1
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy		IS13	Bottom	11.4	3	2	12:34	24.6	8.13		6.69	6.1	8.3
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy		IS14	Surface	1	1	1	13:16	24.4	_	27.9	6.75	5.76	6.9
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy		IS14	Surface	1	1	2	13:16	24.5	-	27.8	6.72	5.81	7.3
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy		IS14	Middle	8.3	2	1	13:16	24.5	-	28	6.83	5.93	7.7
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy		IS14	Middle	8.3	2	2	13:16	24.5	_	28	6.79	5.99	7.6
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy		IS14	Bottom	15.6	3	1	13:16		-	28.1	6.68	6.06	8.2
		2014-11-28		Cloudy	Small Wave		Bottom		3	2	13:16		8.15		6.65	6.1	7.9
		1-011120		0.000		1.011	2010011	1.0.0	۲ ۲	I -	1.5.10		10.10	1-0.2	13:00	1~	

Project	Works	Date	Tide	Weather	Sea Condition	Stat	Level	Water Depth	Lev_Cod	Replicate	Time	Temp(°C)	рН	Salinity(ppt)	DO(mg/L)	Turbidity(NTU)	SS(mg/L)
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	1	12:15	24.5	8.12	27.7	6.7	5.87	7
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	IS15	Surface	1	1	2	12:15	24.5	8.13	27.8	6.73	5.93	6.8
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	IS15	Middle	6.1	2	1	12:15	24.5	8.11	27.8	6.77	5.76	6.7
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	IS15	Middle	6.1	2	2	12:15	24.5	8.12	27.8	6.79	5.79	6.8
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	11.2	3	1	12:15	24.6	8.13	27.9	6.85	6.01	7.2
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	IS15	Bottom	11.2	3	2	12:15	24.6	8.14	28	6.82	6.07	7.5
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	1	11:45	24.5	8.12	27.7	6.58	5.88	6.5
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	SR8	Surface	1	1	2	11:45	24.6	8.13	27.8	6.55	5.93	6.9
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	1	11:45						
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	SR8	Middle		2	2	11:45						
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.8	3	1	11:45	24.6	8.14	27.9	6.63	5.8	7.2
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	SR8	Bottom	4.8	3	2	11:45	24.6	8.14	27.9	6.66	5.76	7.5
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	SR9	Surface	1	1	1	12:00	24.4	8.14	27.6	6.61	5.91	7.1
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave		Surface	1	1	2	12:00	24.5	8.15	27.7	6.63	5.96	6.9
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	SR9	Middle		2	1	12:00						
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	SR9	Middle		2	2	12:00						
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	SR9	Bottom	4.8	3	1	12:00	24.5	-	27.8	6.68	5.73	6.9
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	SR9	Bottom	4.8	3	2	12:00	24.6	8.13	27.9	6.7	5.7	7.1
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave		Surface	1	1	1	11:15	24.5	8.09	27.7	6.73	6.04	7.1
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave		Surface	1	1	2	11:15	24.5	8.08	27.7	6.69	5.97	7.3
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	6.4	2	1	11:15	24.5	8.09	27.8	6.8	5.72	6.8
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	SR10A	Middle	6.4	2	2	11:15	24.6	8.1	27.8	6.78	5.69	7.1
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave	SR10A	Bottom	11.8	3	1	11:15	24.6	8.11	27.8	6.83	5.91	7.3
TMCLKL	HY/2012/08	2014-11-28	Mid-Flood	Cloudy	Small Wave		Bottom	11.8	3	2	11:15	24.6	8.1	27.9	6.86	5.79	7.5
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	CS4	Surface	1	1	1	16:08	24.3	8.14	28.2	6.59	5.92	6.8
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	CS4	Surface	1	1	2	16:08	24.4	8.14	28.1	6.66	5.93	6.7
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	CS4	Middle	10.6	2	1	16:08	24.5	8.11	28.2	6.68	5.99	7.1
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy		CS4	Middle	10.6	2	2	16:08	24.4	8.12		6.72	6.05	7.3
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy		CS4	Bottom	20.2	3	1	16:08	24.4		28.4	6.46	6.41	7.8
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy		CS4	Bottom	20.2	3	2	16:08	24.5	_	28.3	6.47	6.42	7.5
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	CS6	Surface	1	1	1	18:41	24.3		27.7	6.57	5.97	/
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy		CS6	Surface	1	1	2	18:41	24.3		27.8	6.58	5.94	7.3
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy		CS6		6.2	2	1	18:41	24.3		27.8	6.65	5.69	7.4
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy		CS6	Middle	6.2	2	2	18:41	24.4		27.8	6.68	5.7	7.8
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	CS6	Bottom	11.4	3		18:41	24.4		27.9	6.72	6.29	7.6
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy		CS6	Bottom	11.4	3	2	18:41	24.4		27.8	6.77	6.31	7.5
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy		IS12	Surface	1	1		16:46	24.3	-	28	6.75	5.73	6.6
	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy		IS12	Surface	70		2	16:46	24.4	_	27.9	6.77	5.76	6.4
	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy		IS12		7.8	2		16:46	24.4		28.1	6.69	5.9 5.92	7.2
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2014-11-28	Mid-Ebb Mid-Ebb	Cloudy Cloudy		IS12 IS12	Middle Bottom	7.8 14.5	2	1	16:46 16:46	24.5 24.5	8.13 8.13	28.2	6.75 6.58	5.92	7.4 7.5
TMCLKL	HY/2012/08 HY/2012/08	2014-11-28	Mid-Ebb	Cloudy		IS12 IS12	Bottom	14.5	3	2	16:46	24.5	_	28.2	6.64	5.99 6.06	7.5
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	IS12 IS13	Surface	1	1	1	17:02	24.3	_	27.9	6.65	5.95	7
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy		IS13	Surface	1	1	2	17:02	24.3	-	27.9	6.6	5.98	7.2
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy		IS13		6.2	2	1	17:02	24.4		27.9	6.61	5.84	6.8
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy		IS13	Middle	6.2	2	2	17:02	24.4		27.8	6.63	5.82	6.5
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	IS13	Bottom	11.3	3	1	17:02	24.4	8.1	27.9	6.66	6.14	7.5
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy		IS13	Bottom	11.3	3	2	17:02	24.3	_	27.9	6.62	6.13	7.7
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy		IS13	Surface	1	1	1	16:28	24.3	8.1	27.9	6.6	5.88	6.7
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy		IS14	Surface	1	1	2	16:28	24.3	_	27.9	6.64	5.89	6.5
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	_	IS14 IS14		8.2	2	1	16:28	24.3	8.11	28.1	6.71	6	7.2
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy		IS14 IS14		8.2	2	2	16:28	24.3	-	28.2	6.67	6.03	7
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy		IS14 IS14	Bottom	15.4	3	1	16:28	24.4		28.2	6.48	6.21	7.1
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy		IS14 IS14	Bottom	15.4	3	2	16:28	24.4	-	28.2	6.45	6.15	7.3
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy		IS14 IS15	Surface	1	1	1	17:16	24.3	8.11	27.8	6.65	5.91	6.7
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy		IS15	Surface	1	1	2	17:16	24.3	8.1	27.7	6.67	5.9	6.5
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy		IS15	Middle	6	2	1	17:16		-	27.8	6.69	5.78	6.7
			Mid-Ebb	Cloudy	Small Wave		Middle		2	2	17:16		8.11		6.72	5.8	6.9
TWOLKE	111/2012/00	2017-11-20		loiouuy		1010	Imagie	19	14	<u> </u>	117.10	L-1.0	10.11	21.0	10.72	10.0	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	2014-11-28	Mid-Ebb	Cloudy	Small Wave	IS15	Bottom	11	3	1	17:16	24.5	8.12	27.9	6.77	6.04	7.4
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	IS15	Bottom	11	3	2	17:16	24.5	8.13	28	6.81	6.06	7.2
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	SR8	Surface	1	1	1	17:44	24.4	8.11	27.8	6.58	5.91	6.7
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	SR8	Surface	1	1	2	17:44	24.3	8.1	27.7	6.53	5.93	7
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	SR8	Middle		2	1	17:44						
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	SR8	Middle		2	2	17:44						
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	SR8	Bottom	4.6	3	1	17:44	24.5	8.13	27.9	6.6	5.85	6.9
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	SR8	Bottom	4.6	3	2	17:44	24.4	8.12	27.8	6.61	5.8	6.7
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	SR9	Surface	1	1	1	17:27	24.3	8.13	27.8	6.58	5.95	7.2
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	SR9	Surface	1	1	2	17:27	24.4	8.12	27.7	6.57	5.98	7.3
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	SR9	Middle		2	1	17:27						
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	SR9	Middle		2	2	17:27						
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	SR9	Bottom	4.5	3	1	17:27	24.4	8.11	27.9	6.62	5.7	6.8
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	SR9	Bottom	4.5	3	2	17:27	24.5	8.1	28	6.66	5.68	6.5
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	SR10A	Surface	1	1	1	18:02	24.4	8.08	27.8	6.62	6.1	7.1
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	SR10A	Surface	1	1	2	18:02	24.4	8.07	27.8	6.66	6.04	7.3
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	6.3	2	1	18:02	24.4	8.09	27.9	6.75	5.7	7.6
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	SR10A	Middle	6.3	2	2	18:02	24.5	8.08	27.8	6.77	5.66	7.5
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	SR10A	Bottom	11.6	3	1	18:02	24.5	8.1	27.9	6.78	5.85	7.8
TMCLKL	HY/2012/08	2014-11-28	Mid-Ebb	Cloudy	Small Wave	SR10A	Bottom	11.6	3	2	18:02	24.5	8.1	28	6.81	5.88	7.5

Appendix J

Impact Dolphin Monitoring Survey

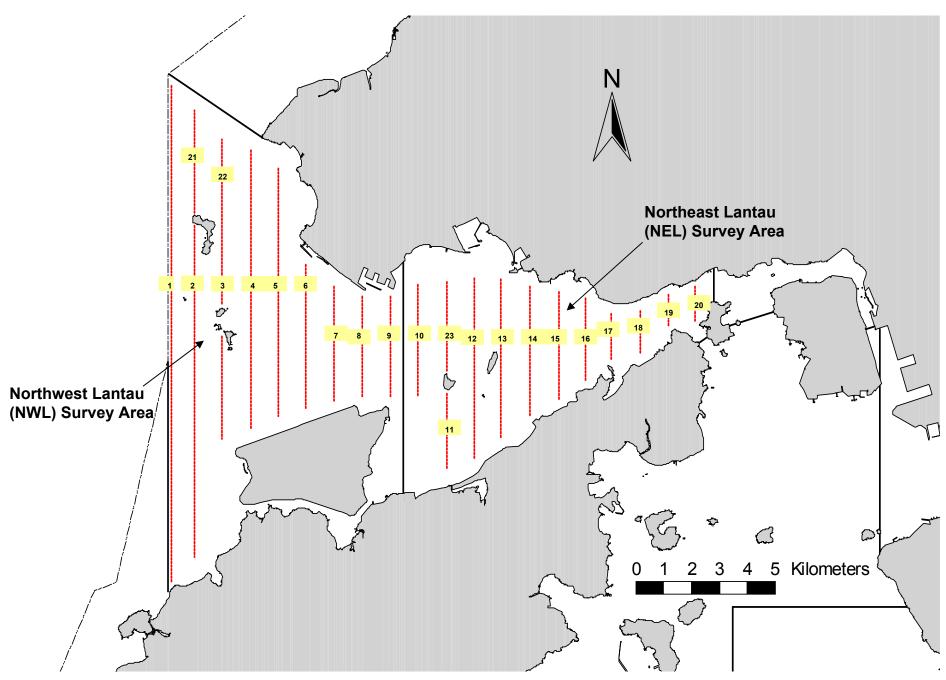


Figure 1. Transect Line Layout in Northwest and Northeast Lantau Survey Areas

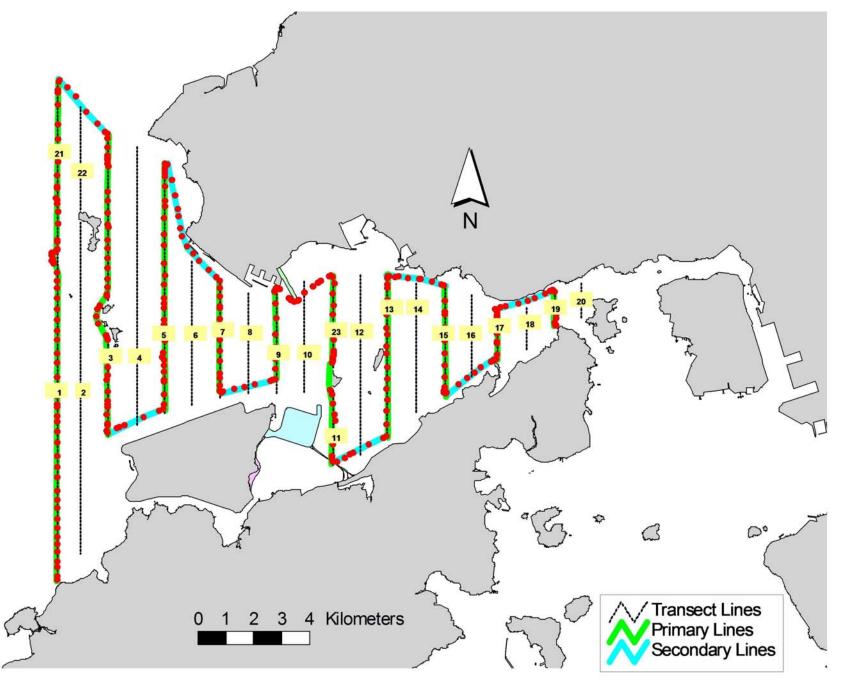


Figure 2. Survey Route on November 4th, 2014 (from HKLR03 project)

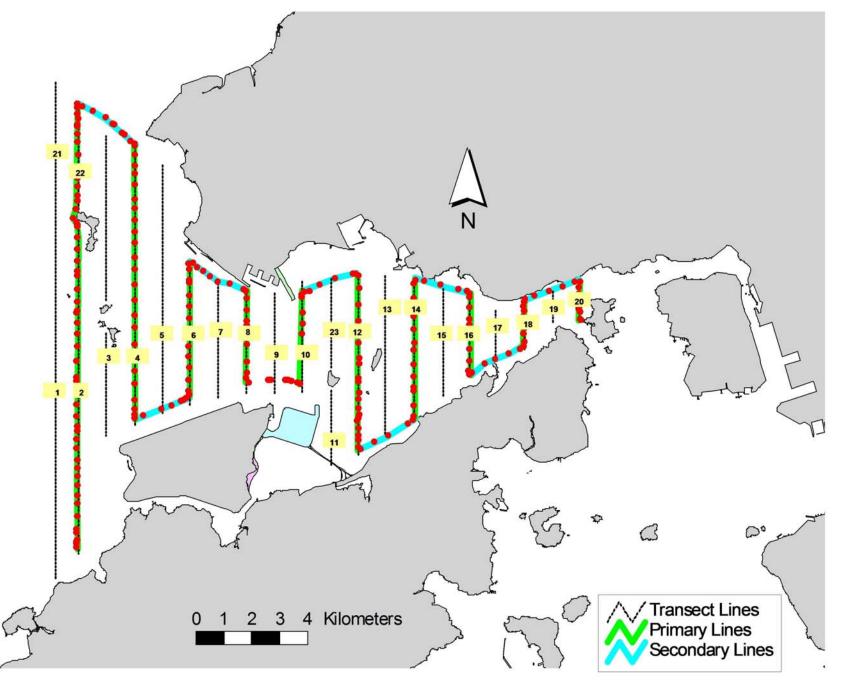


Figure 3. Survey Route on November 10th, 2014 (from HKLR03 project)

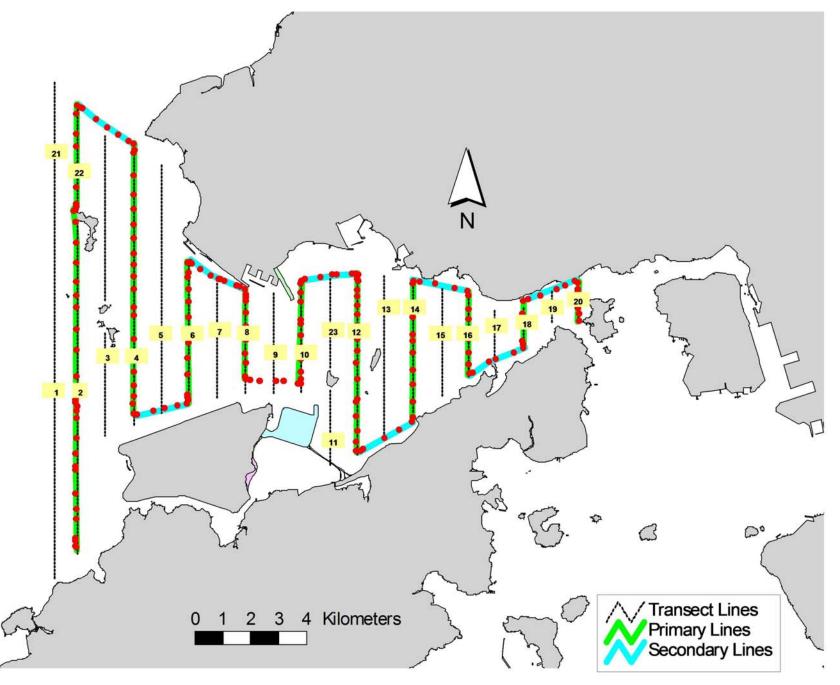


Figure 4. Survey Route on November 12th, 2014 (from HKLR03 project)

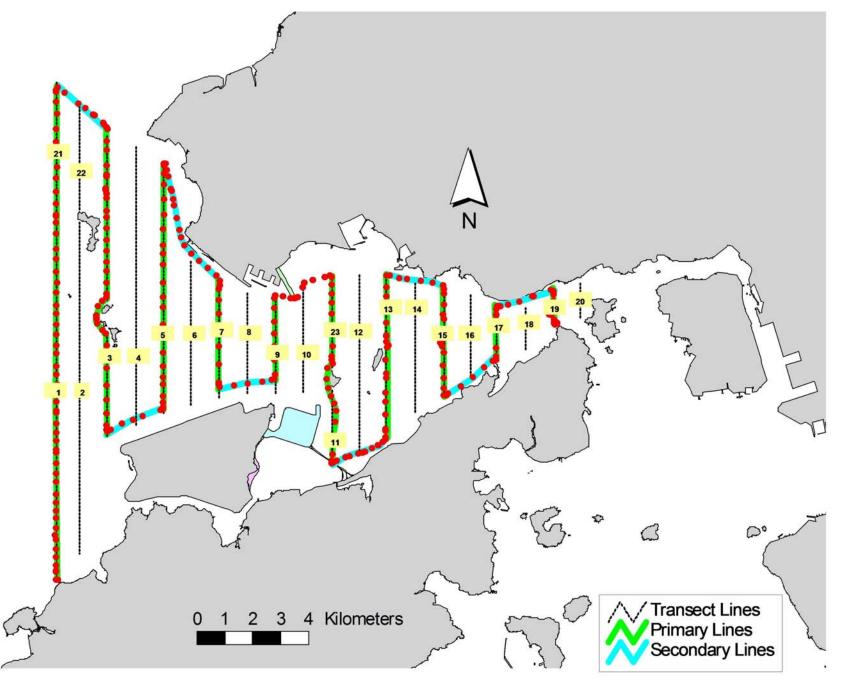


Figure 5. Survey Route on November 18th, 2014 (from HKLR03 project)

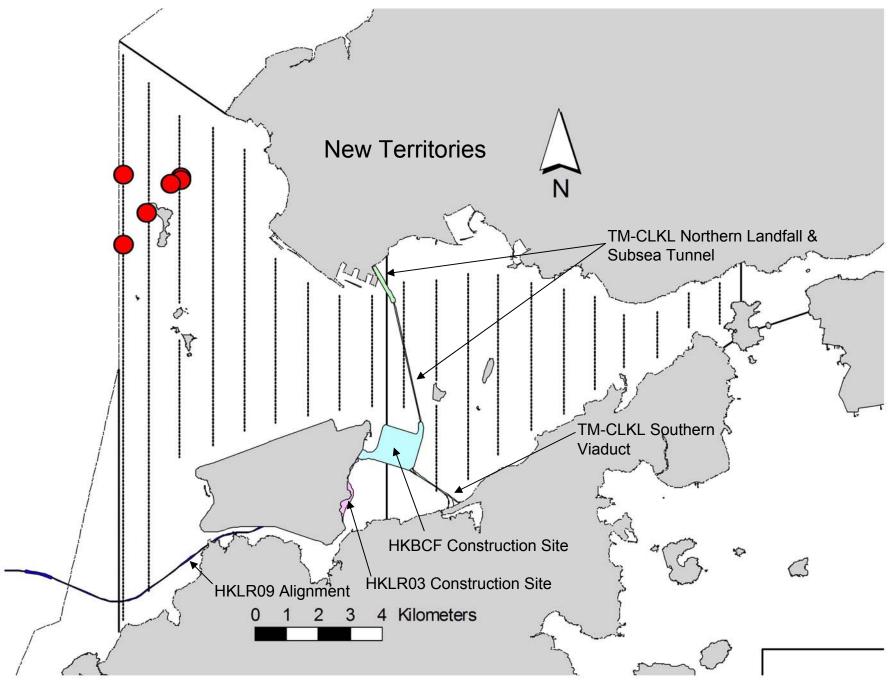


Figure 6. Distribution of Chinese White Dolphin Sightings During November 2014 HKLR03 Monitoring Surveys

Appendix I. HKLR03 Survey Effort Database (November 2014)

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

DATE	AREA	BEAU	EFFORT	SEASON	VESSEL	TYPE	P/S
4-Nov-14	NE LANTAU	2	7.47	AUTUMN	STANDARD31516	HKLR	Р
4-Nov-14	NE LANTAU	3	9.93	AUTUMN	STANDARD31516	HKLR	Р
4-Nov-14	NE LANTAU	2	7.41	AUTUMN	STANDARD31516	HKLR	S
4-Nov-14	NE LANTAU	3	1.59	AUTUMN	STANDARD31516	HKLR	S
4-Nov-14	NW LANTAU	1	1.50	AUTUMN	STANDARD31516	HKLR	Р
4-Nov-14	NW LANTAU	2	25.21	AUTUMN	STANDARD31516	HKLR	Р
4-Nov-14	NW LANTAU	3	12.20	AUTUMN	STANDARD31516	HKLR	Р
4-Nov-14	NW LANTAU	2	12.82	AUTUMN	STANDARD31516	HKLR	S
4-Nov-14	NW LANTAU	3	0.60	AUTUMN	STANDARD31516	HKLR	S
10-Nov-14	NE LANTAU	2	8.28	AUTUMN	STANDARD31516	HKLR	Р
10-Nov-14	NE LANTAU	3	9.93	AUTUMN	STANDARD31516	HKLR	Р
10-Nov-14	NE LANTAU	2	9.49	AUTUMN	STANDARD31516	HKLR	S
10-Nov-14	NE LANTAU	3	1.00	AUTUMN	STANDARD31516	HKLR	S
10-Nov-14	NW LANTAU	3	26.28	AUTUMN	STANDARD31516	HKLR	Р
10-Nov-14	NW LANTAU	4	6.12	AUTUMN	STANDARD31516	HKLR	Р
10-Nov-14	NW LANTAU	3	4.40	AUTUMN	STANDARD31516	HKLR	S
10-Nov-14	NW LANTAU	4	1.20	AUTUMN	STANDARD31516	HKLR	S
10-Nov-14	NW LANTAU	5	1.10	AUTUMN	STANDARD31516	HKLR	S
12-Nov-14	NW LANTAU	2	1.30	AUTUMN	STANDARD31516	HKLR	Р
12-Nov-14	NW LANTAU	3	30.29	AUTUMN	STANDARD31516	HKLR	Р
12-Nov-14	NW LANTAU	2	0.60	AUTUMN	STANDARD31516	HKLR	S
12-Nov-14	NW LANTAU	3	5.98	AUTUMN	STANDARD31516	HKLR	S
12-Nov-14	NW LANTAU	4	0.63	AUTUMN	STANDARD31516	HKLR	S
12-Nov-14	NE LANTAU	2	8.30	AUTUMN	STANDARD31516	HKLR	Р
12-Nov-14	NE LANTAU	3	9.41	AUTUMN	STANDARD31516	HKLR	Р
12-Nov-14	NE LANTAU	4	2.40	AUTUMN	STANDARD31516	HKLR	Р
12-Nov-14	NE LANTAU	2	7.11	AUTUMN	STANDARD31516	HKLR	S
12-Nov-14	NE LANTAU	3	3.48	AUTUMN	STANDARD31516	HKLR	S
18-Nov-14	NW LANTAU	2	13.70	AUTUMN	STANDARD31516	HKLR	Р
18-Nov-14	NW LANTAU	3	25.02	AUTUMN	STANDARD31516	HKLR	Р
18-Nov-14	NW LANTAU	4	1.76	AUTUMN	STANDARD31516	HKLR	Р
18-Nov-14	NW LANTAU	2	2.19	AUTUMN	STANDARD31516	HKLR	S
18-Nov-14	NW LANTAU	3	10.43	AUTUMN	STANDARD31516	HKLR	S
18-Nov-14	NE LANTAU	1	1.78	AUTUMN	STANDARD31516	HKLR	P
18-Nov-14	NE LANTAU	2	14.94		STANDARD31516		P
18-Nov-14	NE LANTAU	3	2.00		STANDARD31516		P
18-Nov-14 18-Nov-14	NE LANTAU NE LANTAU	1 2	1.20 7.09	AUTUMN AUTUMN	STANDARD31516 STANDARD31516	HKLR HKLR	S S
10-1100-14	NE LANTAU	2	1.09		STANDARD31310		3

Appendix II. HKLR03 Chinese White Dolphin Sighting Database (November 2014) (Abberviations: STG# = Sighting Number; HRD SZ = Dolphin Herd Size; BEAU = Beaufort Sea State; PSD = Perpendicular Distance; BOAT ASSOC. = Fishing Boat Association P/S: Sighting Made on Primary/Secondary Lines

DATE	STG #	TIME	HRD SZ	AREA	BEAU	PSD	EFFORT	TYPE	NORTHING	EASTING	SEASON	BOAT ASSOC.	P/S
4-Nov-14	1	1435	13	NW LANTAU	1	73	ON	HKLR	827747	806468	AUTUMN	NONE	Р
4-Nov-14	2	1539	1	NW LANTAU	2	0	ON	HKLR	827839	804666	AUTUMN	NONE	Р
4-Nov-14	3	1558	2	NW LANTAU	2	118	ON	HKLR	825757	804662	AUTUMN	NONE	Р
12-Nov-14	1	1050	4	NW LANTAU	3	105	ON	HKLR	826686	805385	AUTUMN	NONE	Р
18-Nov-14	1	1255	2	NW LANTAU	2	334	ON	HKLR	827669	806479	AUTUMN	NONE	Р
18-Nov-14	2	1307	7	NW LANTAU	3	ND	OFF	HKLR	827559	806149	AUTUMN	NONE	N/A
					•								

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

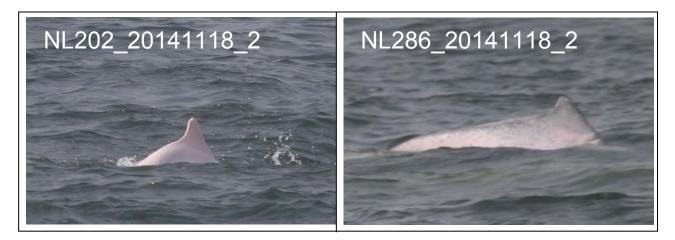
ID#	DATE	STG#	AREA
CH34	18/11/14	2	NW LANTAU
NL46	04/11/14	1	NW LANTAU
NL48	04/11/14	1	NW LANTAU
	18/11/14	2	NW LANTAU
NL104	04/11/14	1	NW LANTAU
NL182	18/11/14	2	NW LANTAU
NL202	12/11/14	1	NW LANTAU
	18/11/14	1	NW LANTAU
	18/11/14	2	NW LANTAU
NL210	12/11/14	1	NW LANTAU
NL256	04/11/14	1	NW LANTAU
NL259	04/11/14	1	NW LANTAU
NL272	12/11/14	1	NW LANTAU
NL286	04/11/14	1	NW LANTAU
	18/11/14	1	NW LANTAU
	18/11/14	2	NW LANTAU
WL05	04/11/14	1	NW LANTAU
	04/11/14	3	NW LANTAU
	12/11/14	1	NW LANTAU
WL97	12/11/14	1	NW LANTAU



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



Appendix IV. (cont'd)



Appendix IV. (cont'd)

Appendix K

Event and Action Plan

Event and Action Plan for Impact Air Monitoring

				Action				
-		ET (a)		IEC (a)		SOR (a)		Contractor(s)
Action Level								
Exceedance 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	28
	Limit	0	2
24-hr TSP	Action	0	5
	Limit	0	1
Water Quality	Action	0	6
	Limit	0	1
Impact Dolphin	Action	2	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 (November 2014)	2	0	0
Total No. received since project commencement	4	0	0

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



ENVIRONMENTAL COMPLAINT INVESTIGATION REPORT

Our Reference: 0212330_29October2014_Complaint LOG_02_20141107

Basic Information of Complaint

Reference Number	N04/RW/00026784-14
Date of Complaint Received	27 October 2014
Location of Complaint	Block 7, Melody Garden
Nature of Complaint	Noise nuisance
Complaint Received by	Environmental Protection Department (EPD)
Via	Email
Complainant	A resident of Melody Garden

Details of Complaint

On 27 October 2014, an environmental case was received by EPD regarding to the noise nuisance generated at 01:00-02:00 on 23 October 2014 and 23:15 on 24 October 2014 from derrick lighter near Melody Garden. The Contractor received the complaint notification on 29 October 2014. Subsequently, the ET was informed that the case is categorized as a public concern upon the investigation, discussion and agreement between different parties (i.e. the Contractor (DBJV) and SOR).

Investigation Report

Upon receiving the case notification from EPD on 29 October 2014, the Contractor had promptly checked the works summary.

Based on the works summary from the Contractor on 23 October 2014 and 24 October 2014, no derrick lighter activities near Melody Garden was recorded from this Contract. According to the information provided by the Contractor, during the complaint period only two derrick lighters from this Contract were working within the project site area and site activities conducted under this Contract strictly followed the conditions stated in the approved Construction Noise Permits (CNPs). In addition, the project site area is distant (> 1.5km) from the concerned location the complaint referred to (see Figure 1). Therefore, any noise generated from this Contract's work should be insignificant after distance attenuation.

In addition, the record of subsequent joint weekly site audit on 5 November 2014 further confirmed that all derrick lighters for this Contract were within the project site area.

Based on the above, this case is considered to be not related to this Contract's work and is thus invalid.

Mitigation Measures and Follow-Up Actions Recommended to/Undertaken by Contractor

The Contractor was reminded to adhere strictly to the conditions of Construction Noise Permit and to implement all relevant noise mitigation measures recommended or specified in the EIA Report, EM&A Manual, EMP, Method Statements, General and Particular Specifications of this Contract to avoid causing noise nuisance.

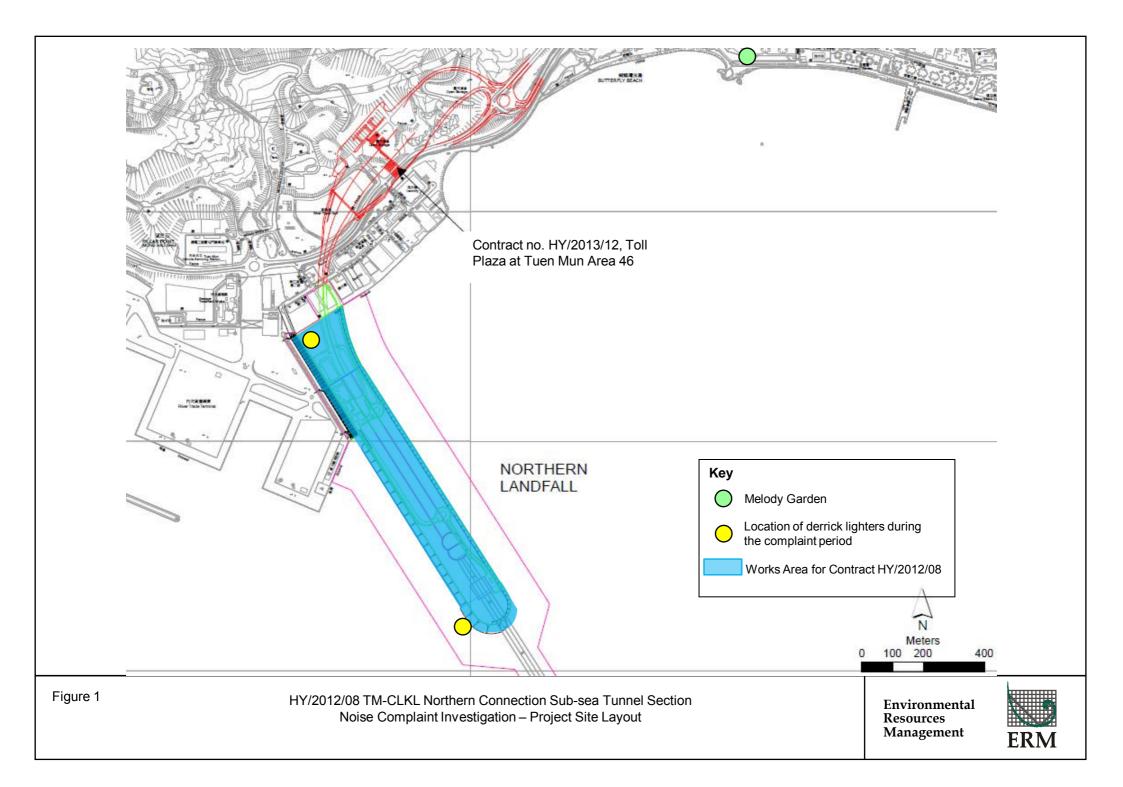
The Contractor is also reminded to ensure that the construction plant deployed for the works during restricted hours is in strict compliance with the relevant CNP granted.

Date of File Closed : 7 November 2014

Approved and Filed by:

for 1

(Jovy Tam, ET Leader) Date: 14 November 2014



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



ENVIRONMENTAL COMPLAINT INVESTIGATION REPORT

Our Reference: 0212330_11November2014_CompLog_03

Basic Information of Complaints

Reference Numbers:	N04/RW/00028104-14
	N04/RW/00028199-14
Date of Complaints Received	11 November 2014
Location of Complaints	Tuen Mun River Trade Terminal
Nature of Complaints	Dust emission
Complaints Received by	Environmental Protection Department (EPD)
Via	Email
Complainants	Worker at River Trade Terminal

Details of Complaints

On 11 November 2014, two potential complaint cases were received by EPD regarding to the dust emission by works area nearby the River Trade Terminal. The Contractor received the complaint notification on 12 November 2014. On 12 November 2014, The ET was informed that the two cases are categorized as complaints in nature upon the investigation, discussion and agreement between different parties (i.e. the Contractor (DBJV) and SOR).

Investigation Report

Upon receiving the case notification from EPD on 11 November 2014, the Contractor had promptly checked the works summary.

Based on the record of subsequent joint site investigation with the Contractor and EPD on 19 November 2014, no dust nuisance was recorded at the entrance of 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 *Annex A*). According to the construction information provided by the Contractor, the majority of construction works during the complaint period 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. The major construction activities undertaken during the complaint period are considered to have minor effect on dust emission. 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.

According to the impact air quality monitoring results during the complaint period in November 2014 at the close vicinity of Reclamation Works Area (ASR1 & ASR5), no exceedance was recorded. This implies that no unacceptable adverse impact on air quality was resulting from the land-based works under this Contract during the period of complaint, and the implemented mitigation measures are considered sufficient.

It is considered that the observed dust emission may represent sporadic event associated with traffic emissions and anthropogenic activities during rush hour at River Trade Terminal.

Based on the above, the two complaint cases are considered to be not related to this Contract's work and are thus invalid.

Mitigation Measures and Follow-Up Actions Recommended to/ Undertaken by Contractor

During construction, the Contractor is in accordance with the requirements of the relevant environmental regulations and the implementation of mitigation measures which included regular water spraying within the construction site area; use of wheel washing facilities; covering of idle stockpiles.

The Contractor has been reminded to adhere strictly to implement all relevant dust mitigation measures recommended or specified in the EP (EP-354/2009/B), the approved EIA and the Updated EM&A Manual of this Project to avoid causing dust nuisance. No additional action is required.

Date of File Closed : 5 December 2014

Approved and Filed by:

(Jovy Tam, ET Leader) Date: 5 December 2014

Project	Works	Date	Station	Weather	Start time	Parameters	Results	Unit
TMCLKL	HY/2012/08	2014-11-02	AQMS1	Cloudy	08:44	1-hour TSP	208	ug/m3
TMCLKL	HY/2012/08	2014-11-02	AQMS1	Cloudy	09:46	1-hour TSP	169	ug/m3
TMCLKL	HY/2012/08	2014-11-02	AQMS1	Cloudy	10:48	1-hour TSP	197	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR1	Cloudy	08:33	1-hour TSP	216	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR1	Cloudy	09:35	1-hour TSP	261	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR1	Cloudy	10:37	1-hour TSP	277	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR5	Cloudy	08:22	1-hour TSP	282	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR5	Cloudy	09:24	1-hour TSP	248	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR5	Cloudy	10:26	1-hour TSP	235	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR6	Cloudy	08:10	1-hour TSP	155	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR6	Cloudy	09:12	1-hour TSP	160	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR6	Cloudy	10:14	1-hour TSP	181	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR10	Cloudy	08:00	1-hour TSP	139	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR10	Cloudy	09:02	1-hour TSP	122	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR10	Cloudy	10:04	1-hour TSP	174	ug/m3
TMCLKL	HY/2012/08	2014-11-05	AQMS1	Cloudy	13:58	1-hour TSP	183	ug/m3
TMCLKL	HY/2012/08	2014-11-05	AQMS1	Cloudy	15:00	1-hour TSP	193	ug/m3
TMCLKL	HY/2012/08	2014-11-05	AQMS1	Cloudy	16:02	1-hour TSP	183	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR1	Cloudy	13:46	1-hour TSP	111	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR1	Cloudy	14:48	1-hour TSP	139	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR1	Cloudy	15:50	1-hour TSP	110	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR5	Cloudy	13:35	1-hour TSP	193	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR5	Cloudy	14:37	1-hour TSP	139	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR5	Cloudy	15:39	1-hour TSP	94	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR6	Cloudy	13:24	1-hour TSP	169	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR6	Cloudy	14:26	1-hour TSP	114	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR6	Cloudy	15:28	1-hour TSP	132	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR10	Cloudy	13:13	1-hour TSP	88	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR10	Cloudy	14:15	1-hour TSP	86	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR10	Cloudy	15:17	1-hour TSP	90	ug/m3
TMCLKL	HY/2012/08	2014-11-08	AQMS1	Rainy	14:37	1-hour TSP	188	ug/m3
TMCLKL	HY/2012/08	2014-11-08	AQMS1	Rainy	15:39	1-hour TSP	213	ug/m3
TMCLKL	HY/2012/08	2014-11-08	AQMS1	Rainy	16:41	1-hour TSP	228	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR1	Rainy	14:26	1-hour TSP	196	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR1	Rainy	15:28	1-hour TSP	215	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR1	Rainy	16:30	1-hour TSP	242	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR5	Rainy	14:14	1-hour TSP	201	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR5	Rainy	15:16	1-hour TSP	247	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR5	Rainy	16:18	1-hour TSP	181	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR6	Rainy	14:03	1-hour TSP	179	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR6	Rainy	15:05	1-hour TSP	243	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR6	Rainy	16:07	1-hour TSP	152	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR10	Rainy	13:52	1-hour TSP	156	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR10	Rainy	14:54	1-hour TSP	206	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR10	Rainy	15:56	1-hour TSP	200	ug/m3
TMCLKL	HY/2012/08	2014-11-11	AQMS1	Sunny	13:53	1-hour TSP	108	ug/m3
TMCLKL	HY/2012/08	2014-11-11	AQMS1	Sunny	14:55	1-hour TSP	147	ug/m3
TMCLKL	HY/2012/08	2014-11-11	AQMS1	Sunny	15:57	1-hour TSP	149	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR1	Sunny	13:42	1-hour TSP	290	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR1	Sunny	14:44	1-hour TSP	266	ug/m3

Project	Works	Date	Station	Weather	Start time	Parameters	Results	Unit
TMCLKL	HY/2012/08	2014-11-11	ASR1	Sunny	15:46	1-hour TSP	320	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR5	Sunny	13:30	1-hour TSP	324	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR5	Sunny	14:32	1-hour TSP	245	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR5	Sunny	15:34	1-hour TSP	197	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR6	Sunny	13:19	1-hour TSP	211	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR6	Sunny	14:21	1-hour TSP	164	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR6	Sunny	15:23	1-hour TSP	138	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR10	Sunny	13:08	1-hour TSP	131	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR10	Sunny	14:10	1-hour TSP	129	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR10	Sunny	15:12	1-hour TSP	117	ug/m3
TMCLKL	HY/2012/08	2014-11-02	AQMS1	Cloudy	11:50	24-hour TSP	94	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR1	Cloudy	11:39	24-hour TSP	117	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR5	Cloudy	11:28	24-hour TSP	110	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR6	Cloudy	11:16	24-hour TSP	97	ug/m3
TMCLKL	HY/2012/08	2014-11-02	ASR10	Cloudy	11:06	24-hour TSP	92	ug/m3
TMCLKL	HY/2012/08	2014-11-05	AQMS1	Cloudy	17:04	24-hour TSP	112	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR1	Cloudy	16:52	24-hour TSP	82	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR5	Cloudy	16:41	24-hour TSP	87	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR6	Cloudy	16:30	24-hour TSP	69	ug/m3
TMCLKL	HY/2012/08	2014-11-05	ASR10	Cloudy	16:19	24-hour TSP	67	ug/m3
TMCLKL	HY/2012/08	2014-11-08	AQMS1	Rainy	17:43	24-hour TSP	72	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR1	Rainy	17:32	24-hour TSP	70	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR5	Rainy	17:20	24-hour TSP	78	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR6	Rainy	17:09	24-hour TSP	60	ug/m3
TMCLKL	HY/2012/08	2014-11-08	ASR10	Rainy	16:58	24-hour TSP	63	ug/m3
TMCLKL	HY/2012/08	2014-11-11	AQMS1	Sunny	16:59	24-hour TSP	89	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR1	Sunny	16:48	24-hour TSP	93	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR5	Sunny	16:36	24-hour TSP	101	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR6	Sunny	16:25	24-hour TSP	95	ug/m3
TMCLKL	HY/2012/08	2014-11-11	ASR10	Sunny	16:14	24-hour TSP	67	ug/m3

Action and Limit Levels of 1-hour TSP Monitoring

Station	Action Level	Limit Level
Station	(µg/m ³)	$(\mu g/m^3)$
ASR1	331	500
ASR5	340	500
AQMS1	335	500
ASR6	338	500
ASR10	337	500

Action and Limit Levels of 24-hour TSP Monitoring

Station	Action Level	Limit Level
	(µg/m ³)	(µg/m ³)
ASR1	213	260
ASR5	238	260
AQMS1	213	260
ASR6	238	260
ASR10	214	260

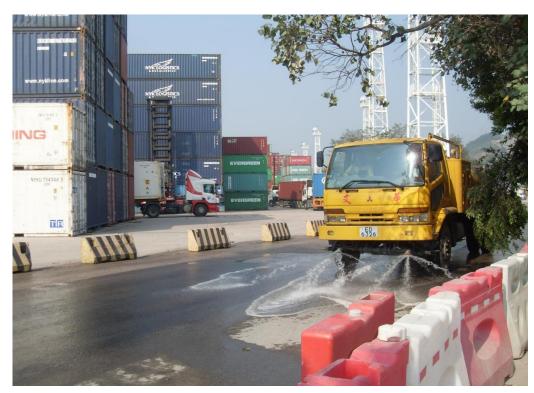


Annex A Photo Records taken during Site Investigation

*Note: Photos taken on 19/11/2014



Water truck was observed in used during site investigation. (Reclamation Works Area)



Water truck was observed in used during site investigation. (Haul road at River Trade Terminal)



Annex A Photo Records taken during Site Investigation

*Note: Photos taken on 19/11/2014



Wheel washing facilities is adequately maintained. (Site entrance at Reclamation Works Area)



Hydroseeding and access roads paved as soon as practicable after works have been completed on soil exposed area. (Reclamation Works Area)



Annex A Photo Records taken during Site Investigation

*Note: Photos taken on 19/11/2014



Stockpile was observed wet. (Reclamation Works Area - Portion N-C)

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	27 November 2014	ERM

Dear Sir or Madam,

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

0212330_14November2014_1hrTSP_Station ASR1 0212330_14November2014_1hrTSP_Station ASR1

A total of two Action Level Exceedances were recorded on 14 November 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	0212330_14November2014_1hrTSP_Station ASR1							
[°]	0212330_14November2014_1hrTSP_Station ASR1								
		[Total No. of Exceedances = 2]							
Date		14 November 2014 (Measured)							
	27 Novem	ber 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 15r							
Action Levels	1-hr TSP (μg/m³)	ASR1 = 331							
	24-hr TSP (μg/m ³)	ASR1 = 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 ASR1 (404 μ g/m ³) during 0915 - 1015 hrs.							
	Action Level Exceedance for 1-hr TSP is observed at ASR1 (396 μ g/m ³) during 1017 - 1117 hrs.								
Works Undertaken (at	On 14 November 2014, Excavation Works for launching shaft were carried out at Reclamation								
the time of monitoring	Works Area Portion N-A; Land I	Bored Piling Works at Reclamation Works Area Portion N-A and							
event)	Surcharge Set Up at Reclamatior	n Works Area 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 Exceedance(s)	 Considering the relatively higher levels of 1-hour TSP between 0900 and 1130 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 ASR1 may represent sporadic event associated with traffic emissions and anthropogenic activities during morning rush hour at River Trade Terminal. According to the construction information provided by the Contractor, the majority of construction works on 14 November 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; covering the idle stockpiles properly with tarpaulin; use of wheel washing facilities; hydro-seeding of area where works have been completed). Whilst exceedances of Action Level were observed at ASR1, the 24-hr TSP level at the monitoring station (ASR1 = 115 µg/m³) on 14 November 2014 were in compliance with the Action and Limit Levels. The 1-hr TSP at ASR1 returned to level below the Action/Limit Levels on the same day. Same level and extent of construction works were carried out at the same works area on 17th, 20th, 23rd and 26th November whilst no exceedance was recorded. As stated in the EIA report (Section 4.2.3), the background TSP level of Tuen Mun is higher than the other region of Hong Kong, thus the exceedances may be also contributed cumulatively by the other construction works / traffic within the Tuen Mun Area rather than
Actions Taken / To Be	causing by the construction works of the Project. Based on the record of subsequent weekly site inspection on 19 November 2014, no dust nuisance
Taken	was 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; covering the idle stockpiles properly with tarpaulin; 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.

Project	Works	Date	Station	Weather	Start time	Parameters	Results	Unit
TMCLKL	HY/2012/08	2014-11-14	ASR10	Sunny	08:40	1-hour TSP	93	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR10	Sunny	09:42	1-hour TSP	97	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR10	Sunny	10:44	1-hour TSP	106	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR6	Sunny	08:52	1-hour TSP	130	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR6	Sunny	09:54	1-hour TSP	108	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR6	Sunny	10:56	1-hour TSP	160	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR5	Sunny	09:03	1-hour TSP	188	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR5	Sunny	10:05	1-hour TSP	226	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR5	Sunny	11:07	1-hour TSP	114	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR1	Sunny	09:15	1-hour TSP	404	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR1	Sunny	10:17	1-hour TSP	396	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR1	Sunny	11:19	1-hour TSP	210	ug/m3
TMCLKL	HY/2012/08	2014-11-14	AQMS1	Sunny	09:27	1-hour TSP	133	ug/m3
TMCLKL	HY/2012/08	2014-11-14	AQMS1	Sunny	10:29	1-hour TSP	148	ug/m3
TMCLKL	HY/2012/08	2014-11-14	AQMS1	Sunny	11:31	1-hour TSP	141	ug/m3
TMCLKL	HY/2012/08	2014-11-17	AQMS1	Sunny	14:06	1-hour TSP	176	ug/m3
TMCLKL	HY/2012/08	2014-11-17	AQMS1	Sunny	16:08	1-hour TSP	113	ug/m3
TMCLKL	HY/2012/08	2014-11-17	AQMS1	Sunny	16:10	1-hour TSP	128	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR1	Sunny	13:55	1-hour TSP	221	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR1	Sunny	14:57	1-hour TSP	192	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR1	Sunny	15:59	1-hour TSP	102	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR5	Sunny	13:44	1-hour TSP	264	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR5	Sunny	14:46	1-hour TSP	159	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR5	Sunny	15:48	1-hour TSP	152	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR6	Sunny	13:33	1-hour TSP	242	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR6	Sunny	14:35	1-hour TSP	128	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR6	Sunny	15:37	1-hour TSP	83	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR10	Sunny	13:22	1-hour TSP	176	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR10	Sunny	14:24	1-hour TSP	89	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR10	Sunny	15:26	1-hour TSP	71	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR10	Sunny	07:40	1-hour TSP	63	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR10	Sunny	08:42	1-hour TSP	60	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR10	Sunny	09:44	1-hour TSP	68	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR6	Sunny	07:50	1-hour TSP	66	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR6	Sunny	08:52	1-hour TSP	63	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR6	Sunny	09:54	1-hour TSP	89	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR5	Sunny	08:02	1-hour TSP	106	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR5	Sunny	09:04	1-hour TSP	112	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR5	Sunny	10:06	1-hour TSP	96	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR1	Sunny	08:13	1-hour TSP	107	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR1	Sunny	09:15	1-hour TSP	87	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR1	Sunny	10:17	1-hour TSP	146	ug/m3
TMCLKL	HY/2012/08	2014-11-20	AQMS1	Sunny	08:24	1-hour TSP	108	ug/m3
TMCLKL	HY/2012/08	2014-11-20	AQMS1	Sunny	09:26	1-hour TSP	117	ug/m3
TMCLKL	HY/2012/08	2014-11-20	AQMS1	Sunny	10:28	1-hour TSP	92	ug/m3
TMCLKL	HY/2012/08	2014-11-23	AQMS1	Sunny	09:32	1-hour TSP	97	ug/m3
TMCLKL	HY/2012/08	2014-11-23	AQMS1	Sunny	10:34	1-hour TSP	84	ug/m3
TMCLKL	HY/2012/08	2014-11-23	AQMS1	Sunny	11:36	1-hour TSP	83	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR1	Sunny	09:20	1-hour TSP	191	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR1	Sunny	10:22	1-hour TSP	192	ug/m3

Project	Works	Date	Station	Weather	Start time	Parameters	Results	Unit
TMCLKL	HY/2012/08	2014-11-23	ASR1	Sunny	11:24	1-hour TSP	91	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR5	Sunny	09:08	1-hour TSP	104	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR5	Sunny	10:10	1-hour TSP	93	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR5	Sunny	11:12	1-hour TSP	89	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR6	Sunny	08:57	1-hour TSP	98	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR6	Sunny	09:59	1-hour TSP	89	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR6	Sunny	11:01	1-hour TSP	81	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR10	Sunny	08:45	1-hour TSP	101	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR10	Sunny	09:47	1-hour TSP	67	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR10	Sunny	10:49	1-hour TSP	71	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR10	Cloudy	13:03	1-hour TSP	96	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR10	Cloudy	14:05	1-hour TSP	79	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR10	Cloudy	15:07	1-hour TSP	110	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR6	Cloudy	13:14	1-hour TSP	226	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR6	Cloudy	14:16	1-hour TSP	137	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR6	Cloudy	15:18	1-hour TSP	156	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR5	Cloudy	13:25	1-hour TSP	150	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR5	Cloudy	14:27	1-hour TSP	168	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR5	Cloudy	15:29	1-hour TSP	215	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR1	Cloudy	13:37	1-hour TSP	102	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR1	Cloudy	14:39	1-hour TSP	189	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR1	Cloudy	15:41	1-hour TSP	188	ug/m3
TMCLKL	HY/2012/08	2014-11-26	AQMS1	Cloudy	13:48	1-hour TSP	112	ug/m3
TMCLKL	HY/2012/08	2014-11-26	AQMS1	Cloudy	14:50	1-hour TSP	191	ug/m3
TMCLKL	HY/2012/08	2014-11-26	AQMS1	Cloudy	15:52	1-hour TSP	240	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR10	Sunny	11:46	24-hour TSP	62	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR6	Sunny	11:58	24-hour TSP	79	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR5	Sunny	12:09	24-hour TSP	104	ug/m3
TMCLKL	HY/2012/08	2014-11-14	ASR1	Sunny	12:21	24-hour TSP	115	ug/m3
TMCLKL	HY/2012/08	2014-11-14	AQMS1	Sunny	12:33	24-hour TSP	94	ug/m3
TMCLKL	HY/2012/08	2014-11-17	AQMS1	Sunny	17:12	24-hour TSP	98	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR1	Sunny	17:01	24-hour TSP	107	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR5	Sunny	16:50	24-hour TSP	91	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR6	Sunny	16:39	24-hour TSP	77	ug/m3
TMCLKL	HY/2012/08	2014-11-17	ASR10	Sunny	16:28	24-hour TSP	88	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR10	Sunny	10:46	24-hour TSP	64	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR6	Sunny	10:56	24-hour TSP	83	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR5	Sunny	11:08	24-hour TSP	101	ug/m3
TMCLKL	HY/2012/08	2014-11-20	ASR1	Sunny	11:19	24-hour TSP	87	ug/m3
TMCLKL	HY/2012/08	2014-11-20	AQMS1	Sunny	11:30	24-hour TSP	91	ug/m3
TMCLKL	HY/2012/08	2014-11-23	AQMS1	Sunny	12:38	24-hour TSP	93	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR1	Sunny	12:26	24-hour TSP	69	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR5	Sunny	12:14	24-hour TSP	74	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR6	Sunny	12:03	24-hour TSP	65	ug/m3
TMCLKL	HY/2012/08	2014-11-23	ASR10	Sunny	11:51	24-hour TSP	89	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR10	Cloudy	16:09	24-hour TSP	69	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR6	Cloudy	16:20	24-hour TSP	82	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR5	Cloudy	16:31	24-hour TSP	94	ug/m3
TMCLKL	HY/2012/08	2014-11-26	ASR1	Cloudy	15:43	24-hour TSP	95	ug/m3
TMCLKL	HY/2012/08	2014-11-26	AQMS1	Cloudy	16:54	24-hour TSP	82	ug/m3

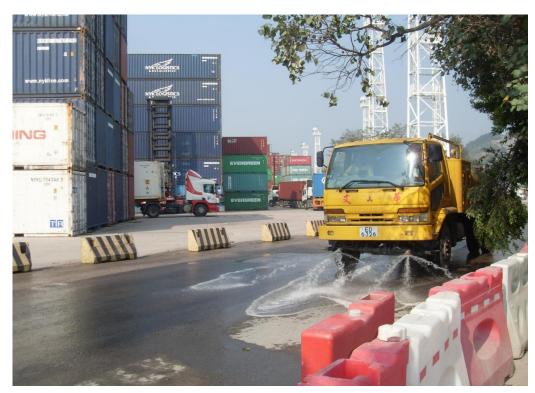


Annex A Photo Records taken during Weekly Site Inspection

*Note: Photos taken on 19/11/2014



Water truck was observed in used during site investigation. (Reclamation Works Area)



Water truck was observed in used during site investigation. (Haul road at River Trade Terminal)



Annex A Photo Records taken during Weekly Site Inspection

*Note: Photos taken on 19/11/2014



Wheel washing facilities is adequately maintained. (Site entrance at Reclamation Works Area)



Hydroseeding and access roads paved as soon as practicable after works have been completed on soil exposed area. (Reclamation Works Area)

Appendix M

Waste Flow Table



Appendix D – Monthly Summary Waste Flow TableName of Department:HyD

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

Monthly Summary Waste Flow Table for <u>November 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 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									
Project Total Quantities	54.065	0.000	0.000	0.000	54.065				



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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												
Project Total Quantities	1983.453	202.898	361.570	2211.769	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 '000kg)		(in '000kg)		(in '000kg)		(in '000kg)		(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										
Project Total Quantities	0.000	0.000	1.050	1.050	0.000	0.000	0.110	0.110	0.556	



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

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

Notes:

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

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

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

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