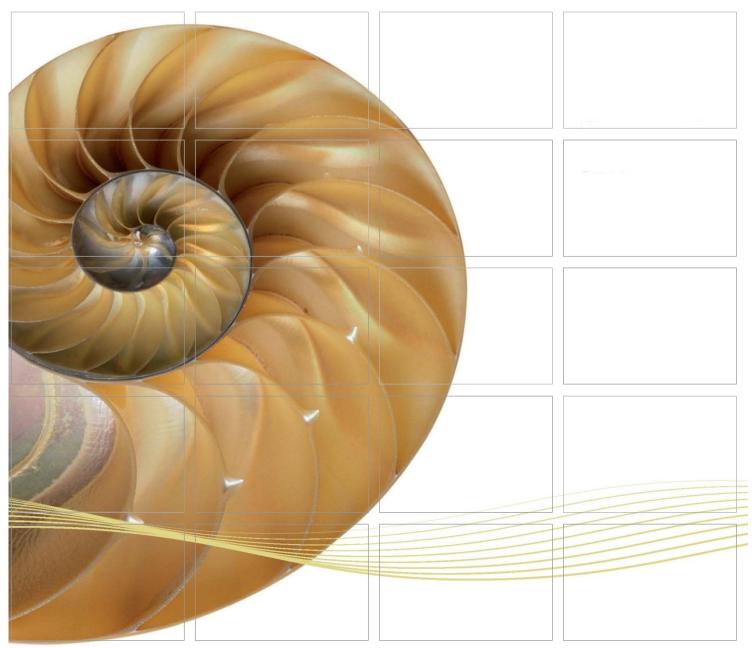
Report



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

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

12 December 2013

Environmental Resources Management

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

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

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

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Environmental Resources Management

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Client:		Project No:				
DBJV			0	D13		
Summary: This document presents the First Monthly EM&A Report for Tuen Mun – Chek Lap Kok Link Northern Connection Sub-sea Tunnel Section.		Date: 12 December 2013 Approved by: Mr Craig Reid Partner Certified by: Mr Jovy Tam ET Leader				
	1 st Monthly EM&A Report	VAR	JT	CAR	12/12/13	
Revision	Description	Ву	Checked	Approved	Date	
This report has been prepared by Environmental Resources Management the trading name of 'ERM Hong-Kong, Limited', with all reasonable skill, care and diligence within the terms of the Contract with the client, incorporating our General Terms and Conditions of Business and taking account of the resources devoted to it by agreement with the client. We disclaim any responsibility to the client and others in respect of any matters outside the scope of the above.		Puk	ernal	Certificate I	8 18001:2007 No. OHS 515956 BSL W 001:2008 P No. FS 32515	





Ref.: HYDHZMBEEM00_0_1523L.13 16 December 2013

AECOM Supervising Officer Representative's Office Room 201, 2nd Floor, River Trade Terminal Office Building, 201 Lung Mun Road, Tuen Mun, Hong Kong By Fax (2450 3099) and By Post

Attention: Messrs. Edwin Ching / Mr. Andy Westmorelan

Dear Sir.

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

Contract No. HY/2012/08 TM-CLKL Northern Connection Sub-sea Tunnel Section Monthly EM&A Report for November 2013 (EP-354/2009/A)

Reference is made to the First Monthly Environmental Monitoring and Audit (EM&A) Report for November 2013 certified by the ET Leader (ET's ref.: "0212330_1st Monthly EM&A_20131212.doc", dated 12 December 2013), and provided to us via email on 16 December 2013.

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

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,

Tony Cheng

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 – Mr. C.F. Kwong (By Fax: 2670 2798)

Internal: DY, YH, PL, ENPO Site

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EXECUTIVE SUMMARY

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

The construction phase of the Project under the *EP-354/2009/A* 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, noise, water quality, marine ecological monitoring and environmental site inspections, were commenced on 1 November 2013.

This is the first monthly EM&A report presenting the EM&A works carried out during the period from 1 to 31 November 2013 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

- Removal of existing seawall;
- Dredging;
- Placement of rock grade 400; and,
- Delivery of 149 seawall blocks.

Land-based Works

- Sorting of rock material started at Tsing Yi (WA 23 area); and,
- Completion of chain-link fence, site hoarding works, site formation works (Site WA 18).

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

24-hour TSP monitoring 5 sessions

1-hour TSP monitoring 5 sessions

Impact Water Quality Monitoring 14 sessions

Impact dolphin monitoring 2 sessions

Joint Environmental site inspection 4 sessions

Daily marine mammal exclusion zone monitoring was undertaken during the period of dredging activities undertaken. No sighting of the Indo-Pacific humpback dolphin *Sousa chinensis* was recorded in November 2013 during the exclusion zone monitoring.

Summary of Breaches of Action/Limit Levels

Breaches of Action and Limit Levels for Air Quality

Four exceedances of Action Level and one exceedance of Limit Level for air quality were recorded during the reporting month. The exceedances were considered not related to the construction works of this Contract upon further investigation.

Breaches of Action and Limit Levels for Water Quality

No exceedances of Action and Limit Levels for water quality were recorded during the reporting month.

Dolphin Monitoring

During this month of dolphin monitoring, no adverse impact from the construction activities of the TM-CLKL Northern Connection Sub-sea Tunnel Section on Chinese White Dolphins was noticeable from general observations. Due to monthly variation in dolphin occurrence within the study area, it would be more appropriate to draw conclusion on whether any 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 the Contract was recorded in this reporting period.

No environmental complaint was received in this reporting period.

No environmental summons was received in this reporting period.

Reporting Change

There was no reporting change required in the reporting period.

Upcoming Works for the Next Reporting Period

Works to be undertaken in the next monitoring period of December 2013 include the following:

Marine-based Works

- Seawall construction;
- Removal of existing seawall armour rock;
- Temporary seawall;
- Additional Ground investigation;
- · Reclamation; and,
- Temporary pontoon installation at RTT.

Land-based Works

- Presonstruction for site office (WA 18);
- Hoarding erection & building demolition (Portion N6); and
- CLP substation construction.

Future Key Issues

Potential environmental impacts arising from the above upcoming construction activities in the next reporting month of December 2013 are mainly associated with dust, marine water quality, marine ecology and waste management issues.

INTRODUCTION

1.1 BACKGROUND

1

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

An Environmental Impact Assessment (EIA) of TM-CLKL (the Project) was prepared in accordance with the EIA Study Brief (No. ESB-175/2007) and the *Technical Memorandum of the Environmental Impact Assessment Process (EIAO-TM*). The EIA Report was submitted under the Environmental Impact Assessment Ordinance (EIAO) in August 2009. Subsequent to the approval of the EIA Report (EIAO Register Number AEIAR-145/2009), an Environmental Permit (EP-354/2009) for TM-CLKL was granted by the Director of Environmental Protection (DEP) on 4 November 2009, and EP variation (EP-354/2009A) was issued on 8 December 2010.

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 ("the Contract") while AECOM Asia Company Limited was appointed by HyD as the Supervising Officer. For implementation of the environmental monitoring and audit (EM&A) programme under the Contract, ERM-Hong Kong, Limited (ERM) has been appointed as the Environmental Team (ET) in accordance with *Environmental Permit No. EP-354/2009/A*. ENVIRON Hong Kong Ltd. was employed by HYD as the Independent Environmental Checker (IEC) and Environmental Project Office (ENPO).

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.

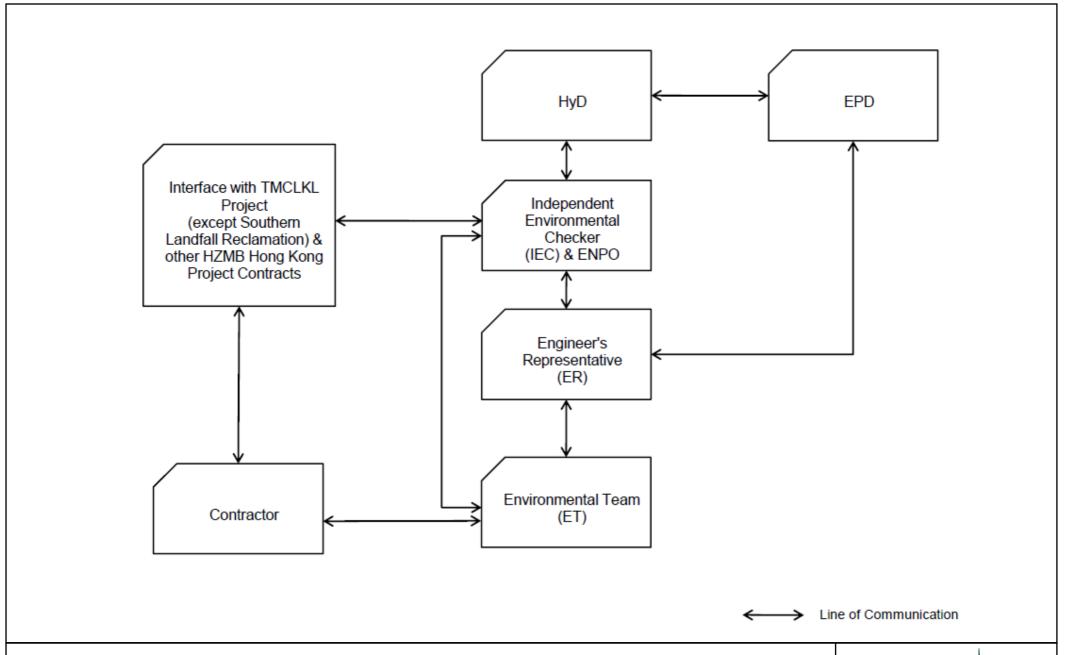


Figure 1.1

Contract No. HY/2012/08 TM-CLKL Northern Connection Sub-sea Tunnel Section Project Organization

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1.2 Scope of Report

This is the first 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 2013.

1.3 ORGANIZATION STRUCTURE

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

Table 1.1 Contact Information of Key Personnel

Party	Position	Name	Telephone	Fax
SOR	Chief Resident	Edwin Ching	2450 3111	2450 3099
(AECOM Asia Company	Engineer	A 1 TA7 , 1 1	0450.0511	2450.2000
Limited)		Andrew Westmoreland	2450 3511	2450 3099
ENPO / IEC	ENPO Leader	Y.H. Hui	3465 2888	3465 2899
(ENVIRON Hong Kong				
Ltd.)	IEC	Tony Cheng	3465 2888	3465 2899
Contractor	Environmental	C.F. Kwong	2293 7322	2670 2798
(Dragages - Bouygues	Manager	O		
Joint Venture)	English and and al	Daniera I a a	2202 7222	2770 2709
	Environmental Officer	Bryan Lee	2293 7323	2670 2798
	24hour	Rachel Lam	2293 7342	
	complaint hotline			
	nounc			
ET (ERM-HK)	ET Leader	Jovy Tam	2271 3113	2723 5660

1.4 SUMMARY OF CONSTRUCTION WORKS

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

As per DBJV's information, details of major construction works carried out in this reporting period are as follows:

Marine-based Works

- Removal of existing seawall;
- Dredging;
- Placement of rock grade 400; and
- Delivery of 149 seawall blocks.

Land-based Works

- Sorting of rock material started at Tsing Yi (WA 23 area); and
- Completion of chain-link fence, site hoarding works, site formation works (Site WA 18).

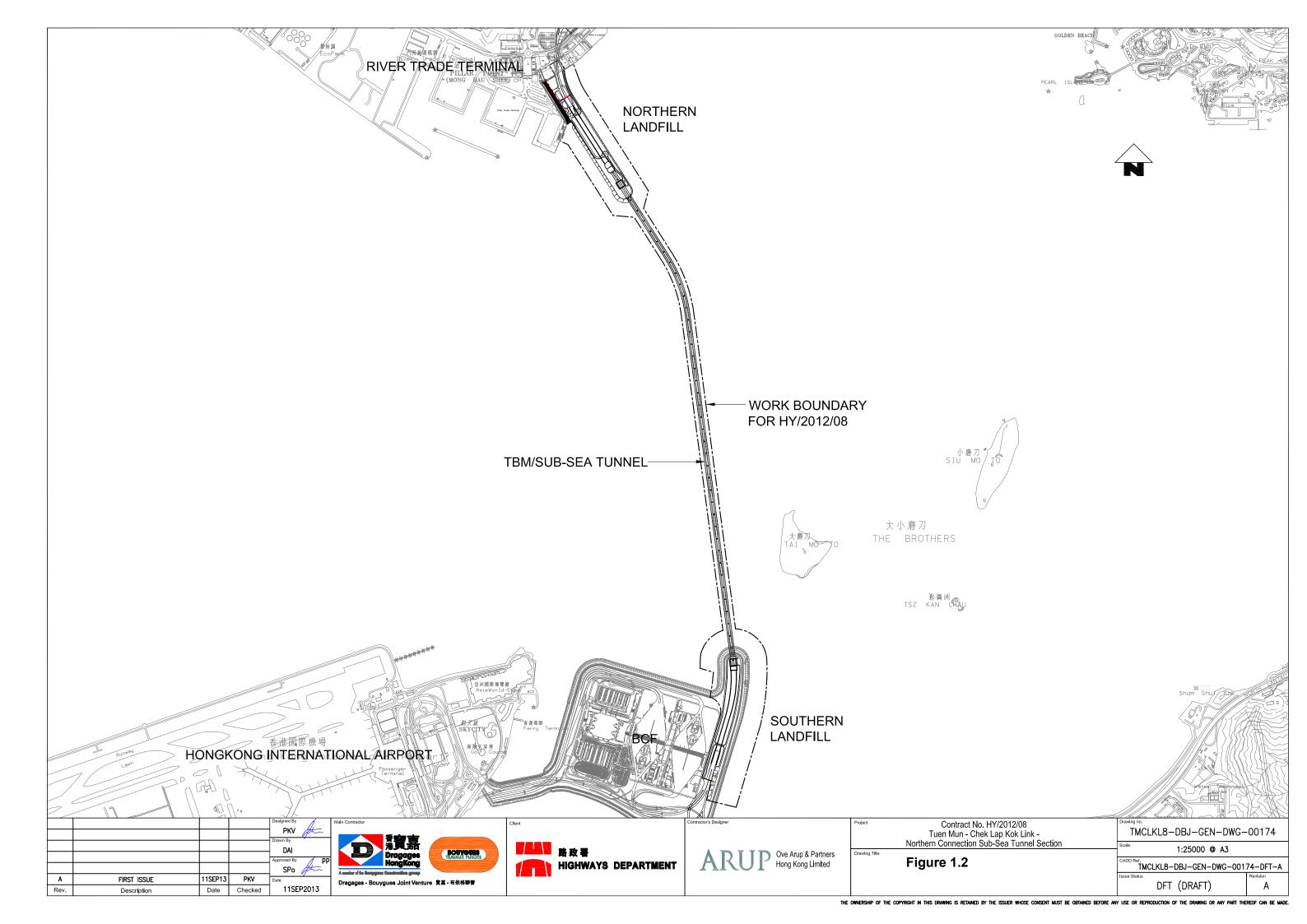
The general layout plan of the site showing the detailed works areas is shown in *Figure 1.2*.

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

1.5 SUMMARY OF EM&A PROGRAMME REQUIREMENTS

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

- Monitoring parameters;
- Monitoring schedules for the reporting month and forthcoming month;
- Action and Limit levels for all environmental parameters;
- Event and Action Plan;
- Results and observations;
- Environmental mitigation measures, as recommended in the Project EIA reports; and,
- Environmental requirement in contract documents.



2 AIR QUALITY

2.1 MONITORING REQUIREMENTS

In accordance with the Updated EM&A Manual, baseline 1-hour and 24-hour TSP levels at five (5) air quality monitoring stations were established. Impact 1-hour TSP monitoring was conducted three (3) times every six (6) days while impact 24-hour TSP monitoring was carried out once every six (6) days while the highest dust impact was expected. The Action and Limit Levels of the air quality monitoring is provided in *Appendix D*.

2.2 MONITORING EQUIPMENT

High volume samplers (HVSs) were used to carry out the 1-hour and 24-hour TSP monitoring on 2, 7, 13, 19, 25 and 29 November 2013 at each designated monitoring station in accordance with the requirements stipulated in the Updated EM&A Manual. Details of the equipment deployed are provided in *Table 2.1.* Copies of the calibration certificates for the equipment are presented in *Appendix E*.

Wind data monitoring equipment was installed at the rooftop of ASR5 (Pillar Point Fire Station) for logging wind speed and wind direction such that the wind sensors are clear of obstructions or turbulence caused by building. The wind data monitoring equipment is recalibrated at least once every six months.

Table 2.1 Air Quality Monitoring Equipment

Equipment	Brand and Model	
High Volume Sampler (1-hour TSP and 24-hour TSP)	Tisch Environmental Mass Flow Controlled Total Suspended Particulate (TSP) High Volume Sampler (Model No. TE-5170)	
Wind Anemometer	MetPak, WindSonic	

2.3 MONITORING LOCATIONS

Air quality monitoring stations ASR1 and ASR5 were set up at the proposed locations in accordance with the Updated EM&A Manual. Three additional monitoring stations, AQMS1, AQMS2 and ASR10 were also set up at the designated locations in accordance with the Enhanced TSP Monitoring Plan (1).

AQMS2 is an alternative monitoring station for Butterfly Laundry which is an Air Sensitive Receiver (ASR) (ie ASR6) identified in the approved EIA Report. AQMS2 is being proposed as a temporary alternative station for monitoring

¹⁾ Enhanced TSP was submitted to EPD and subsequently confirmed on 1 Nov 2013

since access to Butterfly Laundry is not granted to the ET at the moment to undertake the air quality monitoring. Should access be granted to the ET, air quality monitoring will be conducted at ASR6 (Butterfly Laundry) instead of AQMS2 in the impact phase of air quality monitoring.

Figure 2.1 presents the locations of all air quality monitoring stations. Table 2.2 describes the details of the monitoring stations.

Table 2.2 Locations of Impact Air Quality Monitoring Stations

Monitoring Station	Location	Monitoring Dates	Description
ASR1	Tuen Mun Fireboat Station	2, 7, 13, 19, 25 and	Office
ASR5	Pillar Point Fire Station	29 November 2013	Office
AQMS1	Previous River Trade Golf		Bare ground
AQMS2	Bare ground at Ho Suen Street		Bare ground
ASR10	Butterfly Beach Park		Recreational uses

2.4 MONITORING PARAMETERS & FREQUENCY

Table 2.3 summarized the monitoring parameters and frequency of impact air quality monitoring.

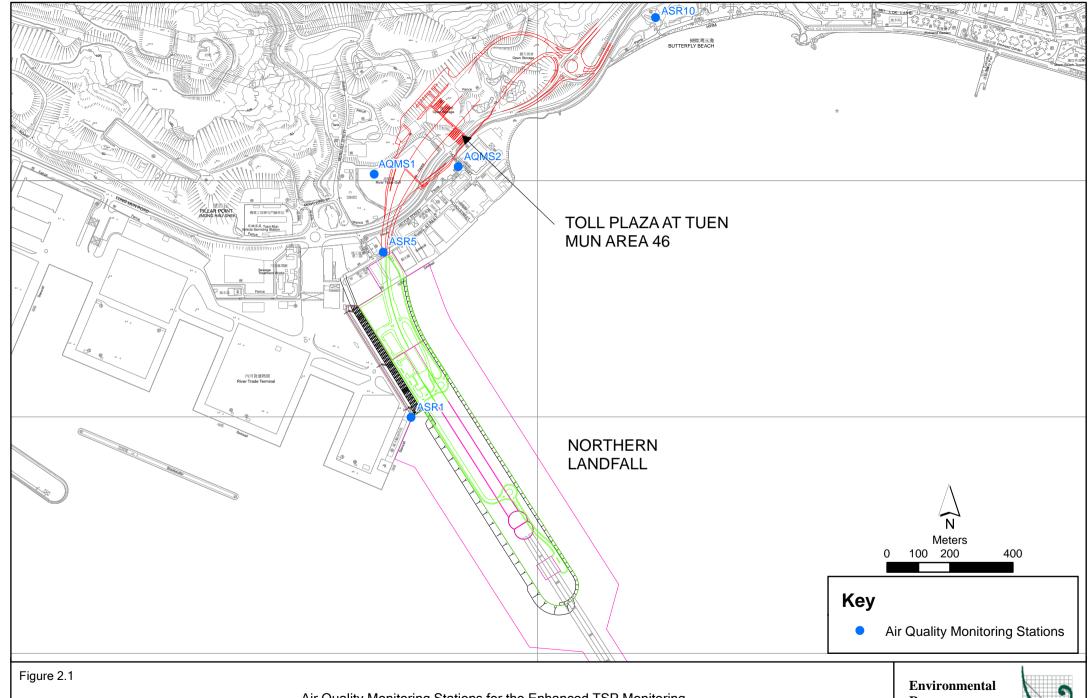
Table 2.3 Parameters and Monitoring Frequency of Air Quality Monitoring

Parameter	Frequency and Duration
1-hour TSP	Three times per day every six days while the highest dust impact was expected
24-hour TSP	Daily every six days

2.5 MONITORING METHODOLOGY

2.5.1 High Volume Sampler

- (a) The HVS was installed in the vicinity of the air sensitive receivers. The following criteria were considered in the installation of the HVS:
- A horizontal platform with appropriate support to secure the sampler against gusty wind was provided.
- The distance between the HVS and an obstacle, such as buildings, was at least twice the height that the obstacle protrudes above the sampler.
- A minimum of 2m of separation from walls, parapets and penthouses was required for rooftop samples.
- A minimum of 2m separation from any supporting structure, measured horizontally was required.
- No furnaces or incineration flues were nearby.
- Airflow around the sampler was unrestricted.
- The samplers were more than 20m from the drip line.
- Any wire fence and gate, to protect the sampler, should not cause any obstruction during monitoring.



Air Quality Mo

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Air Quality Monitoring Stations for the Enhanced TSP Monitoring

Environmental Resources Management



- Permission must be obtained to set up the samples and to obtain access to the monitoring stations.
- A secured supply of electricity is needed to operate the samplers.
- No two samplers should be placed less than 2 m apart.
- (b) Preparation of Filter Papers
- Filter papers of size 8"x 10" that were clean and without pinholes were selected.
- All filter papers were conditioned in a humidity controlled chamber for over 24-hour and be pre-weighed before use for sampling.
- All filter papers were prepared and analysed by ALS Technichem (HK)
 Pty Ltd., which is a HOKLAS accredited laboratory and has comprehensive quality assurance and quality control programmes.
- (c) Field Monitoring
- The power supply was checked to ensure the HVS works properly.
- The filter holder and the area surrounding the filter were cleaned.
- The filter holder was removed by loosening the four bolts and a new filter, with stamped number upward, on a supporting screen was aligned carefully.
- The filter was properly aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter.
- The swing bolts were fastened to hold the filter holder down to the frame. The pressure applied was sufficient to avoid air leakage at the edges.
- Then the shelter lid was closed and was secured with the aluminum strip.
- The HVS was warmed up for about 5 minutes to establish runtemperature conditions.
- A new flow rate record sheet was set into the flow recorder.
- On site temperature and atmospheric pressure readings were taken and the flow rate of the HVS was checked and adjusted at around 1.1 m³/min, and complied with the range specified in the Updated EM&A Manual (i.e. 0.6 – 1.7 m³/min).
- The programmable digital timer was set for a sampling period of 1 hour or 24 hours, and the starting time, weather condition and the filter number were recorded.
- The initial elapsed time was recorded.
- At the end of sampling, on site temperature and atmospheric pressure readings were taken and the final flow rate of the HVS was checked and recorded.
- The final elapsed time was recorded.

- The sampled filter was removed carefully and folded in half-length so that only surfaces with collected particulate matter were in contact.
- It was then placed in a clean plastic envelop and sealed.
- All monitoring information was recorded on a standard data sheet.
- Filters were then sent to ALS Technichem (HK) Pty Ltd. for analysis.

(d) Maintenance and Calibration

- The HVS and its accessories were maintained. Appropriate maintenance such as routine motor brushes replacement and electrical wiring checking were made to ensure that the equipment and necessary power supply are in good working condition.
- All HVS were calibrated (five point calibration) using Calibration Kit prior to the commencement of the baseline monitoring and thereafter at bi-monthly intervals.

2.6 MONITORING SCHEDULE FOR THE REPORTING MONTH

The schedule for air quality monitoring in November 2013 is provided in *Appendix F*.

2.7 RESULTS AND OBSERVATIONS

The monitoring results for 1-hour TSP and 24-hour TSP are summarized in *Tables 2.4* and 2.5, respectively. Detail impact air quality monitoring results and graphical presentations are presented in *Appendix G*.

Table 2.4 Summary of 1-hour TSP Monitoring Results in this Reporting Period

•	Average (μg/m³)	Range (µg/m³)	Action Level	Limit Level
			(μ g/m ³)	(μg/m³)
ASR 1	180	69 - 363	331	500
ASR 5	231	85 - 413	340	500
AQMS1	161	81 - 431	335	500
AQMS2	189	69 - 332	338	500
ASR10	179	60 - 645	337	500

Table 2.5 Summary of 24-hour TSP Monitoring Results in this Reporting Period

	Average (μg/m³)	Range (µg/m³)	Action Level	Limit Level
			(μ g/m ³)	$(\mu g/m^3)$
ASR 1	112	82 - 143	213	260
ASR 5	145	100 - 189	238	260
AQMS1	123	69 - 197	213	260
AQMS2	141	99 - 174	238	260
ASR10	80	53 - 120	214	260

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

Exceedances of Action and Limit levels on 1-hr TSP were observed on 7 and 19 November 2013. Upon further investigation, the exceedances were considered not related to the construction works of this Contract after further investigation. Cumulative statistics of exceedances is presented in *Appendix L*.

The Event and Action plan is presented in *Appendix K*.

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

3 WATER QUALITY MONITORING

3.1 MONITORING REQUIREMENTS

Impact water quality monitoring was carried out three days per week during the construction period, and impact water quality monitoring measurements were taken according to the requirements stated in the Updated EM&A Manual of the Project. The Action and Limit Levels of the water quality monitoring is provided in *Appendix D*.

3.2 MONITORING EQUIPMENT

Table 3.1 summarises the equipment used in the impact water quality monitoring programme.

Table 3.3.1 Water Quality Monitoring Equipment

Equipment	Model	Qty.
Water Sampler	Kahlsico Water-Bottle Model 135DW 150	4
Multi-parameter Water	YSI 6820-C-M/YSI 6920	6
Quality System		
Dissolved Oxygen Meter	YSI Pro 2030	1
pH Meter	HANNA HI 8314	1
Turbidity Meter	HACH 2100Q	1
Monitoring Position	"Magellan" Handheld GPS Model eXplorist GC	4
Equipment	DGPS Koden KGP913MK2 (1)	1

3.3 MONITORING PARAMETERS, FREQUENCY AND DURATION

Table 3.2 summarized the monitoring parameters, frequency and duration of impact water quality monitoring.

Table 3.2 Water Quality Monitoring Parameters and Frequency

Monitoring Stations	Parameters, unit	Depth	Frequency
IS12	 Temperature(°C) 	3 water depths: 1m	Impact monitoring: 3
IS13	pH(pH unit)	below sea surface,	days per week, at mid-
IS14	 Turbidity (NTU) 	mid-depth and 1m	flood and mid-ebb
IS15	 Water depth (m) 	above sea bed. If the water	tides during the
CS4	 Salinity (ppt) 	depth is less than 3m, mid-	construction period of
CS6	 DO (mg/L and % of 	depth sampling only. If	the Contract.
SR8	saturation)	water depth less than 6m,	
SR9	• SS (mg/L)	mid-depth may be omitted.	
SR10A	,	- ,	

In addition to the parameters presented in *Table 3.3*, monitoring location/position, time, water depth, sampling depth, tidal stages, weather conditions and any special phenomena or works underway nearby were also recorded.

3.4 MONITORING LOCATIONS

The locations of the monitoring stations under the *Contract* are shown in *Figure 3.1* and detailed in *Table 3.3*.

Table 3.3 Locations of Water Quality Monitoring Stations

Station ID	Type	Coordinates	
		Easting	Northing
IS12	Impact Station	813218	823681
IS13	Impact Station	813667	824325
IS14	Impact Station	812592	824172
IS15	Impact Station	813356	825008
CS4	Control / Far Field Station	810025	824004
CS6	Control / Far Field Station	817028	823992
SR8	Sensitive receiver (Gazettal	816306	825715
	beaches in Tuen Mun)		
SR9	Sensitive receiver	813601	825858
	(Butterfly Beach)		
SR10A	Sensitive receiver	823741	823495
	(Ma Wan FCZ)		

3.5 MONITORING METHODOLOGY

3.5.1 *Instrumentation*

The *in-situ* water quality parameters, i.e. dissolved oxygen, temperature and salinity were measured by multi-parameter Water Quality System (Model YSI 6820-C-M/YSI 6920).

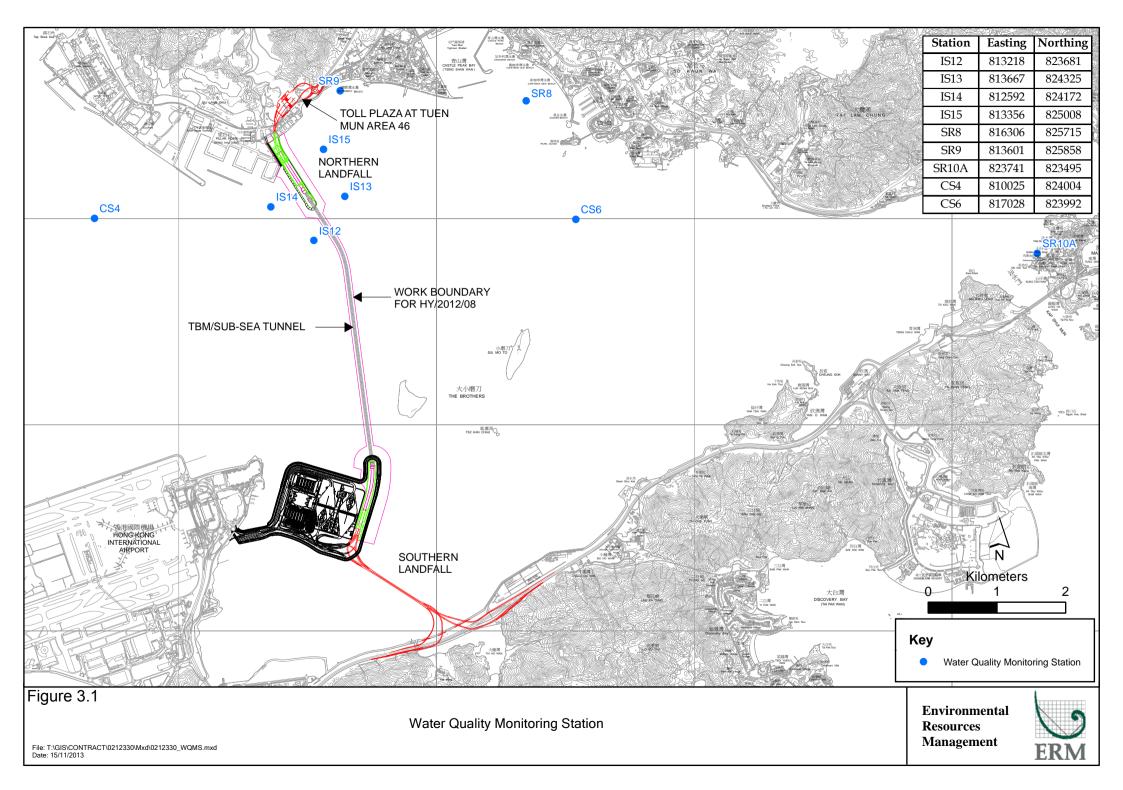
3.5.2 Operating/Analytical Procedures

Digital Differential Global Positioning Systems (DGPS) were used to ensure that the correct location was selected prior to sample collection.

Portable, battery-operated echo sounders were used for the determination of water depth at each designated monitoring station.

All *in-situ* measurements were taken at 3 water depths, 1 m below water surface, mid-depth and 1 m above sea bed, except where the water depth was less than 6 m, for which the mid-depth station was omitted. Should the water depth be less than 3 m, only the mid-depth station was monitored.

At each measurement / sampling depth, two consecutive *in-situ* measurements (DO concentration and saturation, temperature, turbidity, pH and salinity) and water samples for SS were taken. The probes were retrieved out of the water after the first measurement and then re-deployed



for the second measurement. Where the difference in the value between the first and second readings of DO or turbidity parameters was more than 25% of the value of the first reading, the reading was discarded and further readings were taken.

Duplicate samples were collected at each sampling depth for SS measurement in the laboratory. Water samples were collected using the water samplers and the samples were stored in high-density polythene bottles. Water samples collected were well-mixed in the water sampler prior to pre-rinsing and transferring to sample bottles. Samples bottles were pre-rinsed with the same water samples. The sample bottles were then packed in cool-boxes (cooled at 4° C) without being frozen) and delivered to ALS Technichem (HK) Pty Ltd. for the analysis of SS concentrations. The laboratory determination work would be started within 24 hours after collection of the water samples. ALS Technichem (HK) Pty Ltd. is a HOKLAS accredited laboratory and has comprehensive QA/QC programme. For QA/QC procedures, one sample of every batch of 20 samples was analyzed.

The analysis method and reporting and detection limit for SS is shown in *Table 3.4*.

Table 3.4 Laboratory Analysis for Suspended Solids

Parameters	Instrumentation	Analytical Method	Reporting Limit	Detection Limit
Suspended Solid (SS)	Weighing	APHA 2540-D	0.5 mg/L	0.5 mg/L

Other relevant data were recorded, including monitoring location/ position, time, water depth, tidal stages, weather conditions and any special phenomena or work underway at the construction site in the field log sheet for information.

3.5.3 *Maintenance and Calibration*

All *in situ* monitoring instruments were checked, calibrated and certified by a laboratory accredited under HOKLAS or other international accreditation scheme before use, and subsequently re-calibrated at 3 monthly intervals throughout all stages of the water quality monitoring programme. Responses of sensors and electrodes were checked with certified standard solutions before each use. Wet bulb calibration for a DO meter was carried out before measurement at each monitoring event.

For the on-site calibration of field equipment (Multi-parameter Water Quality System), the BS 1427:2009, *Guide to on-site test methods for the analysis of waters* was observed. Copies of the calibration certificates are attached in *Appendix E*.

3.6 ACTION & LIMIT LEVELS

The Action and Limit Levels for water quality monitoring are summarized in *Table 3.5*.

Table 3.5 Action Limit Levels for Water Quality Monitoring

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

Notes:

- # Baseline data: data from HKZMB Baseline Water Quality Monitoring between 6 and 31 October 2011.
- (a) For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- (b) "Depth-averaged" is calculated by taking the arithmetic means of reading of all three depths
- (c) For turbidity and SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
- (d) All figures given in the table are used for reference only, and EPD may amend the figures whenever it is considered as necessary
- (e) The 1%-ile of baseline data for surface and middle DO is 4.2 mg/L, whilst for bottom DO is 3.6 mg/L.

Should non-compliance of the criteria occur, action in accordance with the Event and Action Plan, as provided in *Appendix K* should be carried out.

3.7 MONITORING SCHEDULE FOR THE REPORTING MONTH

The schedule for water quality monitoring in November 2013 is provided in *Appendix F*.

3.8 RESULTS AND OBSERVATIONS

Impact water quality monitoring was conducted at all designated monitoring stations in the reporting month. Detailed impact water quality monitoring results are presented in *Appendix G*.

No exceedances of Action and Limit levels were recorded for water quality monitoring in the reporting month.

4 DOLPHIN MONITORING

4.1 MONITORING REQUIREMENTS

Impact dolphin monitoring is required to be conducted by a qualified dolphin specialist team to evaluate whether there have been any effects on the dolphins. Dolphin monitoring works by line transect methodology is required to carry out in accordance with the Updated EM&A Manual of the TM-CLK Link Project. 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.

4.2 MONITORING EQUIPMENT

Table 4.1 summarises the equipment used for the impact dolphin monitoring.

Table 4.1 Dolphin Monitoring Equipment

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

4.3 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.

4.4 MONITORING LOCATION

The impact dolphin monitoring was carried out in the NEL and NWL along the line transect as depicted in *Figure 4.1*. The co-ordinates of all transect lines are shown in *Table 4.2* below.

Table 4.2 Impact Dolphin Monitoring Line Transect Co-ordinates

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

4.5 ACTION & LIMIT LEVELS

The action and limit levels of dolphin impact monitoring are shown in *Tables 4.3 & 4.4*.

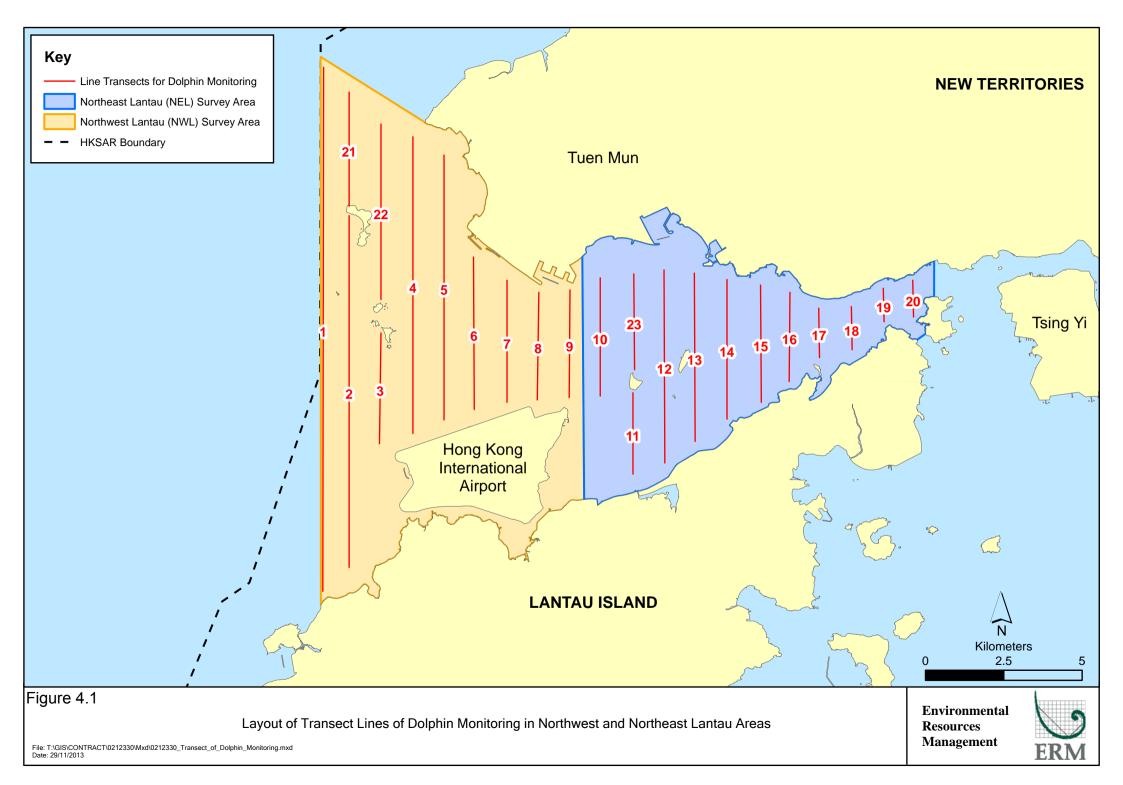


Table 4.3 Action Level and Limit Level for Dolphin Impact Monitoring

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

Notes:

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

Table 4.4 Derived Value of Action Level (AL) and Limit Level(LL)

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

4.6 MONITORING SCHEDULE FOR THE REPORTING MONTH

Dolphin monitoring was carried out on 1, 5, 8 and 13 November 2013. The dolphin monitoring schedule for the reporting period is shown in *Appendix F*.

4.7 RESULTS & OBSERVATIONS

A total of 268.17 km of survey effort was collected, with 100% of the total survey effort being conducted under favourable weather conditions (ie Beaufort Sea State 3 or below with good visibility) in November 2013. Amongst the two areas, 98.97 km and 169.20 km of survey effort were collected from NEL and NWL survey areas, respectively. The total survey effort conducted on primary and secondary lines were 211.85 km and 56.32 km, respectively. The survey efforts are summarized in *Appendix J*.

A total of twenty-one dolphin sightings were recorded during the two surveys. All sightings were made in NWL during the two sets of surveys in November, with no sightings made at all in NEL.

None of the 21 sightings was made in the proximity of this Project. The distribution of dolphin sightings during the reporting month is shown in *Figure 4.2*.

Encounter rates of Chinese White Dolphins are deduced from the survey effort and on-effort sighting data made under favourable conditions (Beaufort 3 or below) in November 2013 with the results present in *Tables 4.5* and *4.6*.

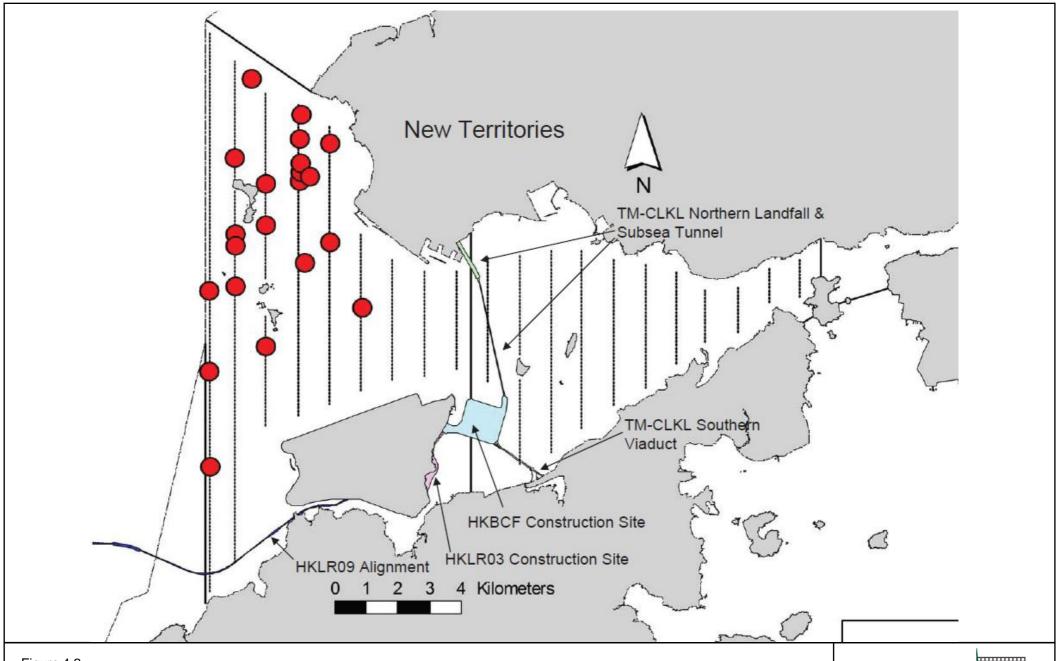


Figure 4.2

HY/2012/08 TM-CLKL Northern Connection Sub-sea Tunnel Section The distribution of dolphin sightings during the reporting period (Source: Adopted from HKLR03 Monitoring Survey in November 2013)

Environmental Resources Management



Table 4.5 Individual Survey Event Encounter Rates

		Encounter rate (STG)	Encounter rate (ANI)	
		(no. of on-effort dolphin	(no. of dolphins from all on-	
		sightings per 100 km of	effort sightings per 100 km of	
		survey effort)	survey effort)	
		Primary Lines Only	Primary Lines Only	
NEL	Set 1: Nov 1st/5th	0.0	0.0	
NEL	Set 2: Nov 8th/13th	0.0	0.0	
NWL	Set 1: Nov 1st/5th	10.3	50.0	
INVVL	Set 2: Nov 8th/13th	16.1	76.1	

Note: Dolphin Encounter Rates are deduced from the Two Sets of Surveys (Two Surveys in Each Set) in November 2013 in Northeast (NEL) and Northwest Lantau (NWL)

Table 4.6 Monthly Average Encounter Rates

	Encounter rate (STG) (no. of on-effort dolphin sightings per 100 km of survey effort)		Encounter rate (ANI) (no. of dolphins from all on-effort sightings per 100 km of survey effort)	
	Primary Lines Only	Both Primary and Secondary Lines	Primary Lines Only	Both Primary and Secondary Lines
Northeast Lantau	0.0	0.0		0.0
Northwest Lantau	13.2	11.2	63.1	53.2

Note: Overall dolphin encounter rates (sightings per 100km of survey effort) from all four surveys are conducted in November 2013 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 2013 was 4.86 individuals per group. Twelve dolphin groups were composed of only 1-4 animals, while the other nine were larger groups with 5-11 animals per group.

During this month of dolphin monitoring, no adverse impact from the construction activities of this Project was recorded from the general observations.

Due to monthly variation in dolphin occurrence within the survey area, it would be more appropriate to draw conclusion on whether any 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.

Taking into account of natural seasonal change in distribution patterns, which is also observed in baseline monitoring, it is suggested that a longer period of impact monitoring data should be obtained for comparison.

The Event and Action plan is presented in *Appendix K*.

4.7.2 Marine Mammal Exclusion Zone Monitoring

Daily 250 m marine mammal exclusion zone monitoring was undertaken during the period of dredging activities being undertaken. No sighting of the Indo-Pacific humpback dolphin *Sousa chinensis* were recorded in November 2013 during the exclusion zone monitoring.

5.1 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, 20 and 27 November 2013.

Particular observations during the site inspections are described below:

Air Quality

The Contractor was reminded to cover the temporary stockpiles at site WA 23 properly when piling is completed.

Noise

No adverse observation was identified in the reporting month.

Water Quality

At site WA 23, residual sandy materials was found leaving at the edge of loading area which may lead to surface runoff in the vicinity.

At site WA 18, sandy materials were observed near the drainage area.

Sediment flow was observed outside the cage-type silt curtain in the dredging site of barge GD1.

Marine Ecology

Pre-translocation survey at Yam Tsai Wan was conducted on 19 October 2013 and the subsequent coral translocation and audit survey was carried out at Pillar Point and Yam Tsai Wan between 21 and 23 October 2013. The post-translocation monitoring is scheduled in January 2014.

Daily 250 m marine mammal exclusion zone monitoring was undertaken during the period of dredging activities being undertaken. No sighting of the Indo-Pacific humpback dolphin *Sousa chinensis* were recorded in November 2013 during the exclusion zone monitoring. In addition, acoustic decoupling monitoring and marine vessel control for dredging works were implemented in this reporting month.

Chemical and Waste Management

At site WA 18, drip tray stopper was found missing and stagnant of water was found in the drip tray.

At site WA 18, several oil drums were observed without chemical labels.

Oil stain was observed on the barge (Dredging barge GD-1).

Drip tray should be provided for the chemical containers (Dredging barge GD-1)

Landscape and Visual Impact

No adverse observation was identified in the reporting month.

Miscellaneous

The Environmental Permit should be displayed conspicuously in the site entrance (Site WA 23).

The Contractor has rectified most of the observations as identified during environmental site inspection in the reporting month. Rectifications of remaining identified items are undertaken by the Contractor. Follow-up inspections on the status on provision of mitigation measures will be conducted to ensure all identified items are mitigated properly.

5.2 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.

As advised by the Contractor, 2,835 tonnes of inert C&D Materials are generated and disposed of as public fill in the reporting period. 21,100m³ of marine sediment (Catergory L) and 13,200m³ of marine sediment (Catergory M) are generated and disposed of at designated sites. Monthly summary of waste flow table is detailed in *Appendix M*.

The Contractor is 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 is reminded to properly maintain the site tidiness and dispose of the wastes accumulated on site regularly and properly.

The Contractor is reminded that chemical waste containers should be properly treated and stored 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.

5.3 ENVIRONMENTAL LICENSES AND PERMITS

The status of environmental licensing and permit is summarized in *Table 5.1* below.

 Table 5.1
 Summary of Environmental Licensing and Permit Status

Statutory Reference	License/ Permit	License or Permit No.	Date of Issue	Date of Expiry	License/ Permit Holder	Remarks
EIAO	Environmental Permit	EP-354/2009/A	8 Dec 2010	NA	HyD	Tuen Mun- Chek Lap Kok Link
NCO	Construction Dust Notification	363510	19 Aug 2013	NA	DBJV	-
WDO	Chemical Waste Registration	5213-422-D2516-01	10 Sep 2013	NA	DBJV	
WDO	Construction Waste Disposal Account	7018108	19 Aug 2013	NA	DBJV	Waste disposal in Contract HY/2012/08
WPCO	Waste Water Discharge License	Nil	18 Nov 2013	30 Nov 2018	DBJV	Discharge of Construction Runoff
NCO	Construction Noise Permit	GW-RW0691-13	15 Oct 2013	14 Apr 2014	DBJV	For Dredging and Reclamation Works
NCO	Construction Noise Permit	GW-RW0822-13	14 Nov 2013	10 May 2014	DBJV	For works in site WA18
NCO	Construction Noise Permit	GW-RS0814-13	15 Nov 2013	10 May 2014	DBJV	For works in site WA23
DASO	Marine Dumping Permit	EP/MD/14-072	1 Nov 2013	30 Apr 2014	DBJV	For Type 1
DASO	Marine Dumping Permit	EP/MD/14-071	1 Dec 2013	31 Dec 2013	DBJV	For Type 1 (Dedicated site) and Type 2

5.4 IMPLEMENTATION STATUS OF ENVIRONMENTAL MITIGATION MEASURES

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

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

5.5 SUMMARY OF EXCEEDANCES OF THE ENVIRONMENTAL QUALITY PERFORMANCE LIMIT

Results for water quality monitoring complied with the Action/ Limit levels in the reporting period. No exceedances of Action and Limit levels were recorded for water quality monitoring during the reporting month. Four exceedances of Action level and one exceedance of Limit Level for 1-hour TSP of air quality were recorded during the reporting month. The exceedances were considered not related to the construction works of this Contract after further investigation.

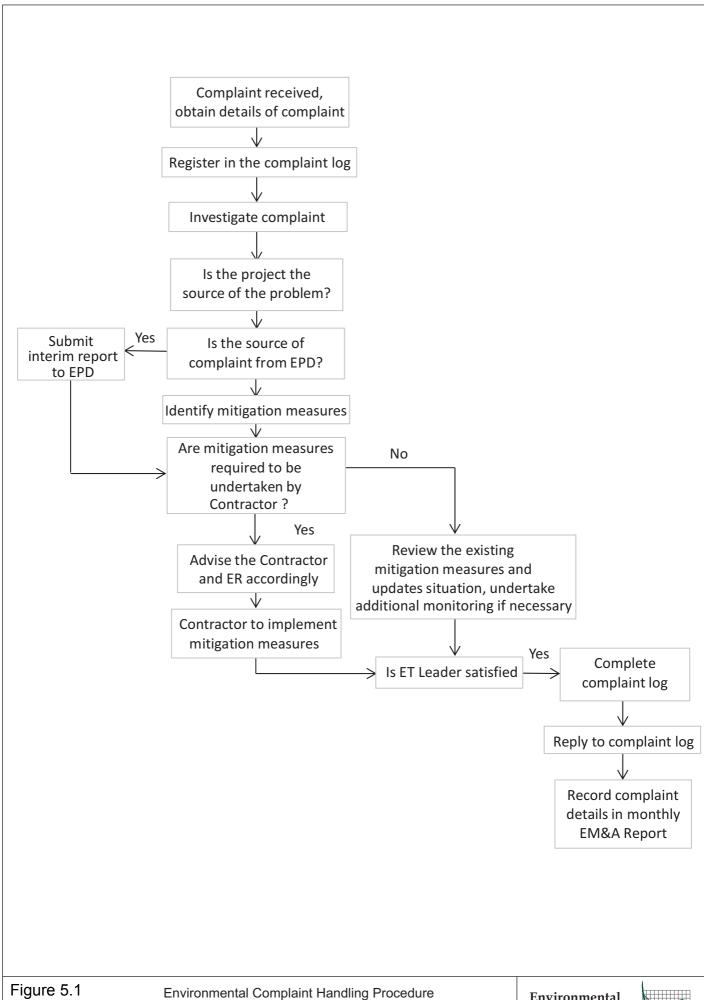
Cumulative statistics on exceedances is provided in *Appendix L*.

5.6 SUMMARY OF COMPLAINTS, NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTIONS

The Environmental Complaint Handling Procedure is provided in *Figure 5.1*.

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

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



Environmental Resources Management



6 FUTURE KEY ISSUES

6.1 CONSTRUCTION PROGRAMME FOR THE COMING MONTHS

As informed by the Contractor, the major works for the Project in December 2013 will be:

Marine-based Works

- Seawall construction;
- Removal of existing seawall armour rock;
- Temporary seawall;
- Additional Ground investigation;
- Reclamation; and
- Temporary pontoon installation at RTT.

Land-based Works

- Pre-csonstruction for site office (WA 18);
- Hoarding erection & building demolition (Portion N6); and
- CLP substation construction.

6.2 KEY ISSUES FOR THE COMING MONTH

Potential environmental impacts arising from the above upcoming construction activities in the next reporting month of December 2013 are mainly associated with dust, marine water quality, marine ecology and waste management issues.

6.3 MONITORING SCHEDULE FOR THE COMING MONTH

The tentative schedule for environmental monitoring in December 2013 is provided in *Appendix F*.

7 CONCLUSIONS AND RECOMMENDATIONS

7.1 CONCLUSIONS

The construction phase of the TM-CLKL Northern Connection Sub-sea Tunnel Section and the associated impact phase EM&A programme commenced on 1 November 2013.

1-hour TSP, 24-hour TSP, water quality and dolphin monitoring were carried out in the reporting period.

The monitoring results generally complied with the Action/ Limit levels in the reporting period, except that four exceedances of Action level and one exceedance of Limit Level for air quality were recorded. The exceedances were considered not related to the construction works of this Contract after further investigation.

A total of twenty-one dolphin's sighting were recorded during the two surveys. All sightings were made in NWL during the two sets of surveys with no sightings made at all in NEL in November 2013. None of the 21 sightings was made in the proximity of the TM-CLKL Northern Connection Sub-sea Tunnel Section. During this month of dolphin monitoring, no adverse impact from the construction activities of the TM-CLKL Northern Connection Sub-sea Tunnel Section on Chinese White Dolphins was noticeable from general observations.

Environmental site inspection was carried out four (4) times in November 2013. Recommendations on remedial actions were given to the Contractor for the deficiencies identified during the site audits.

Four (4) Action Level and one (1) Limit Level exceedances for 1-hour TSP of during air quality monitoring were recorded in the reporting month. Investigation works show that the exceedance was not due to the Project works. Nevertheless, the Contractor was reminded to ensure all dust mitigation measures are provided at the construction site.

7.2 RECOMMENDATIONS

According to the environmental site inspections performed in the reporting month, the following recommendations were provided:

Air Quality

Temporary stockpiles at the works area should be properly covered by the Contactor when piling is completed.

Water Quality

Measures should be undertaken by the Contractor to avoid residual sandy materials leaving from at the edge of loading area which may lead to surface runoff in the vicinity.

The Contractor should avoid sandy materials from entering the drainage area.

The Contractor should ensure that the dredging is undertaken properly to avoid spillage outside the cage-type silt curtain in the dredging site of barge GD1.

Chemical and Waste Management

The Contractor should install drip tray stopper and clear water stagnant in the drip tray.

The Contractor should proper label the oil drums.

The Contractor should clear oil stain on the barge.

Drip tray should be provided by the Contractor for the chemical containers

Marine Mammal Exclusion Zone Monitoring

Daily 250 m marine mammal exclusion zone monitoring was undertaken during the period of dredging activities being undertaken. No sighting of the Indo-Pacific humpback dolphin *Sousa chinensis* were recorded in November 2013 during the exclusion zone monitoring.

Miscellaneous

The Environmental Permit should be displayed conspicuously in the site entrance by the Contractor.

Appendix A

Project Organization for Environmental Works

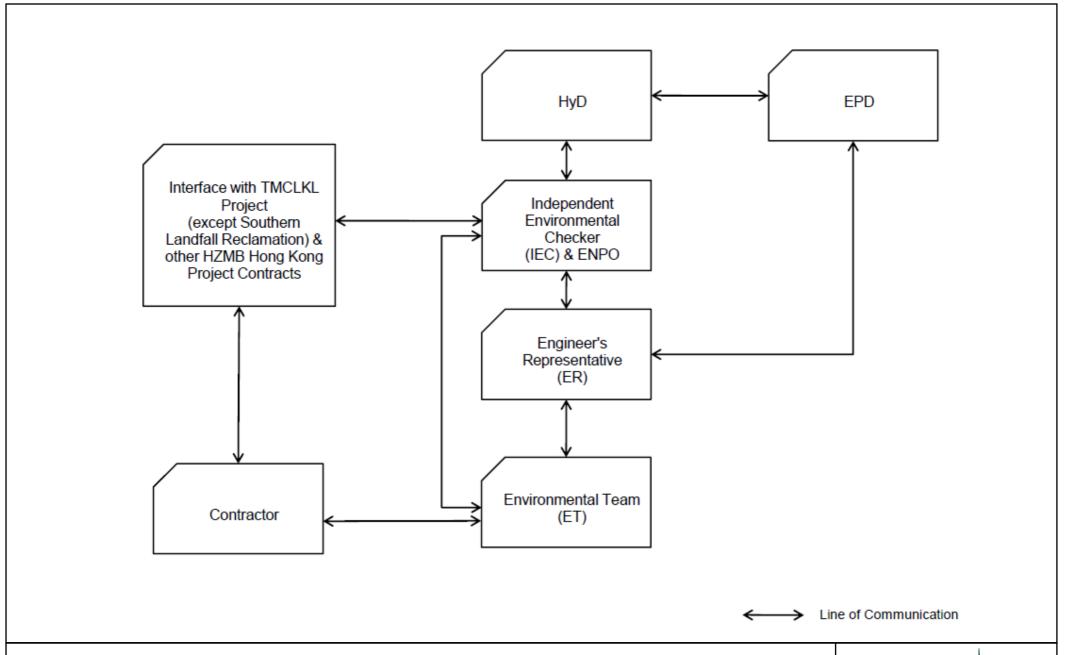


Figure 1.1

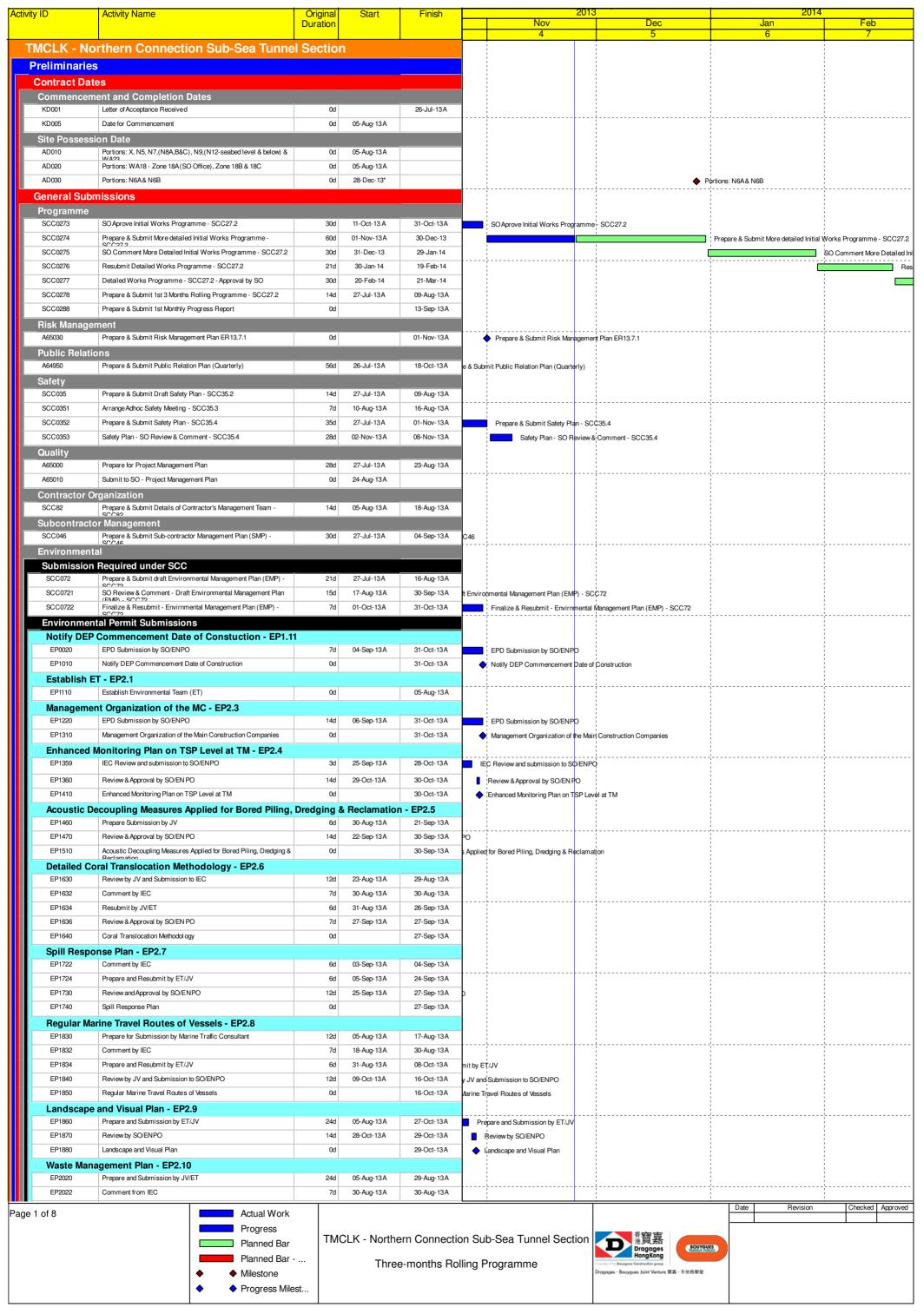
Contract No. HY/2012/08 TM-CLKL Northern Connection Sub-sea Tunnel Section Project Organization

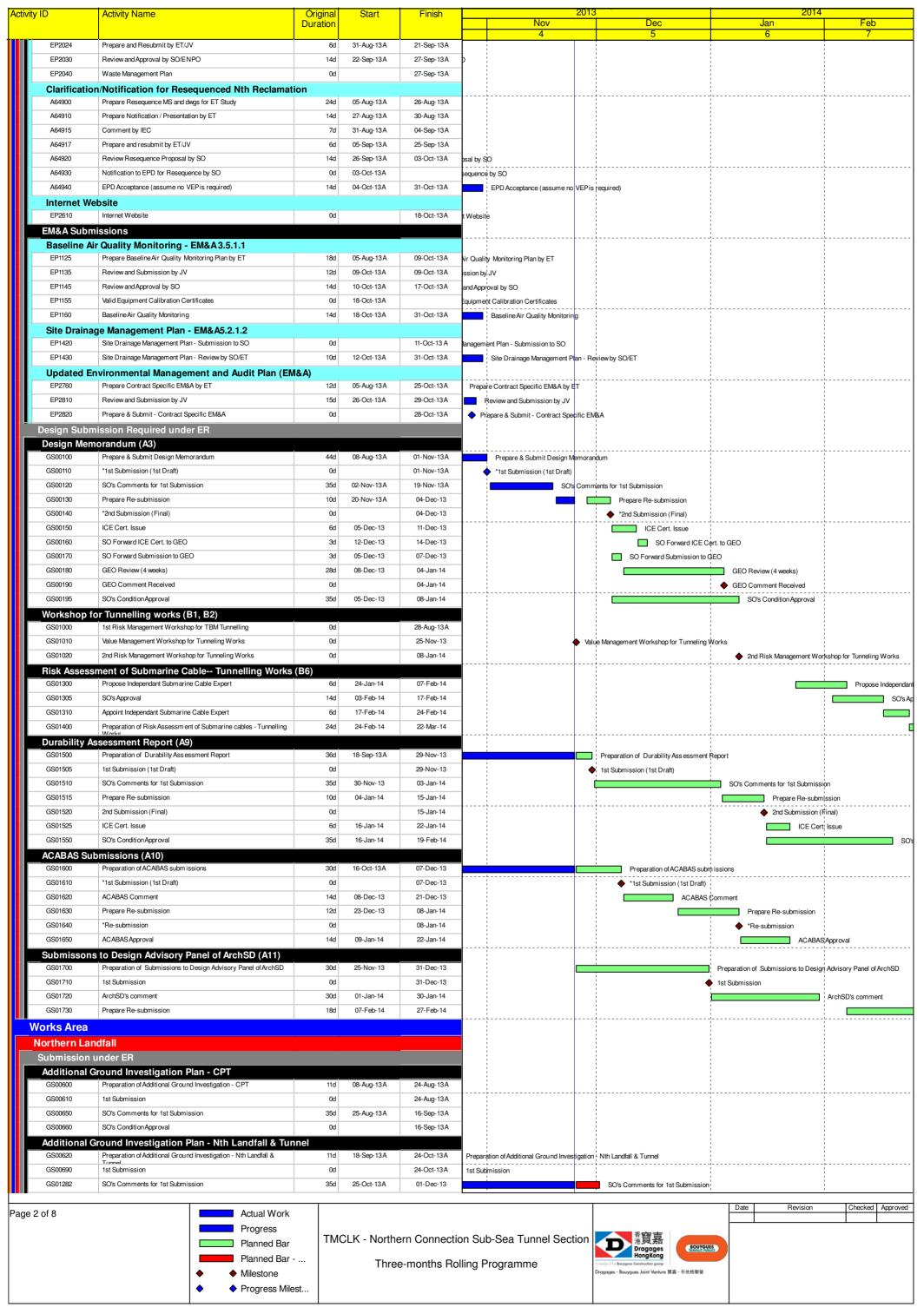
Environmental Resources Management

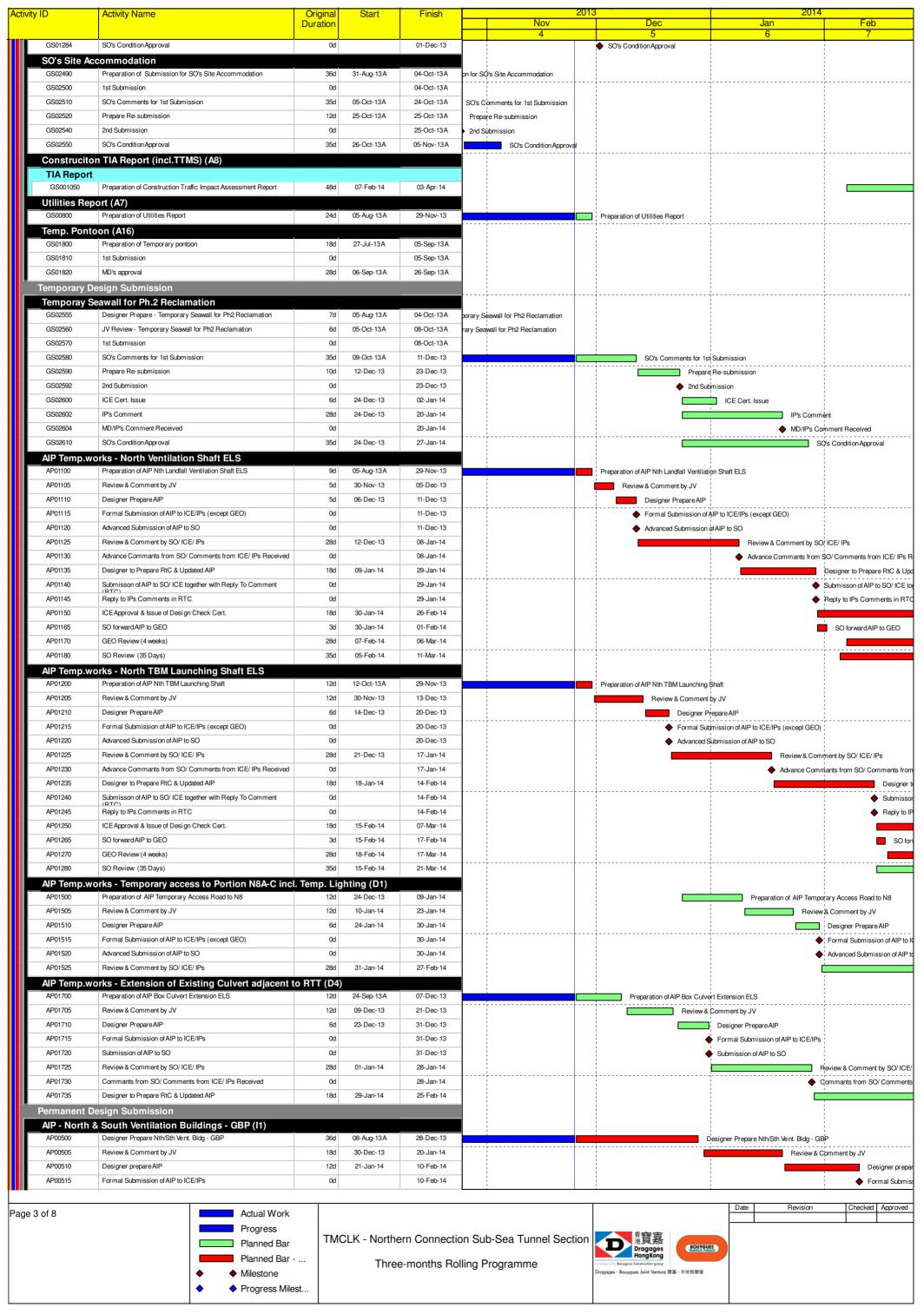


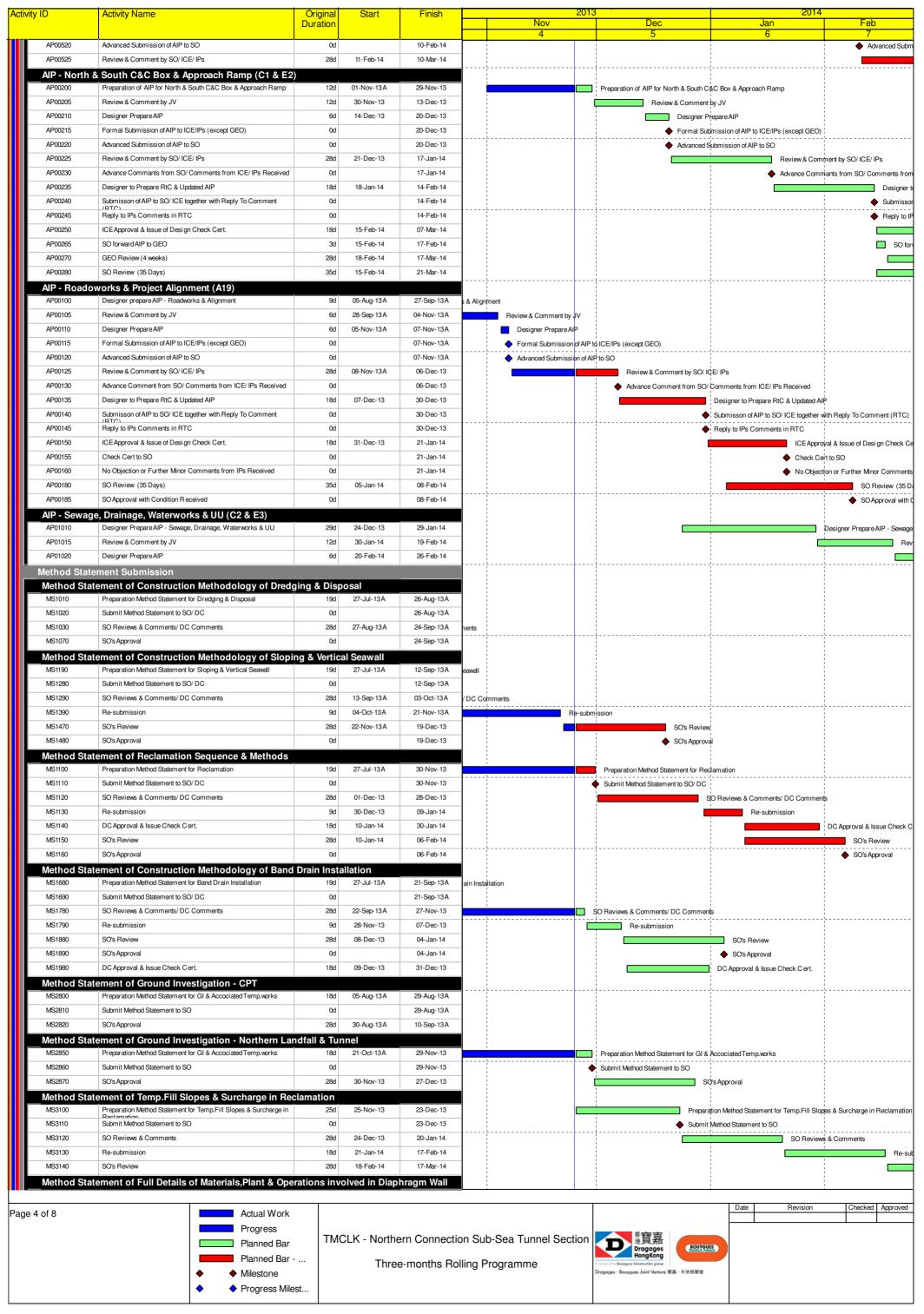
Appendix B

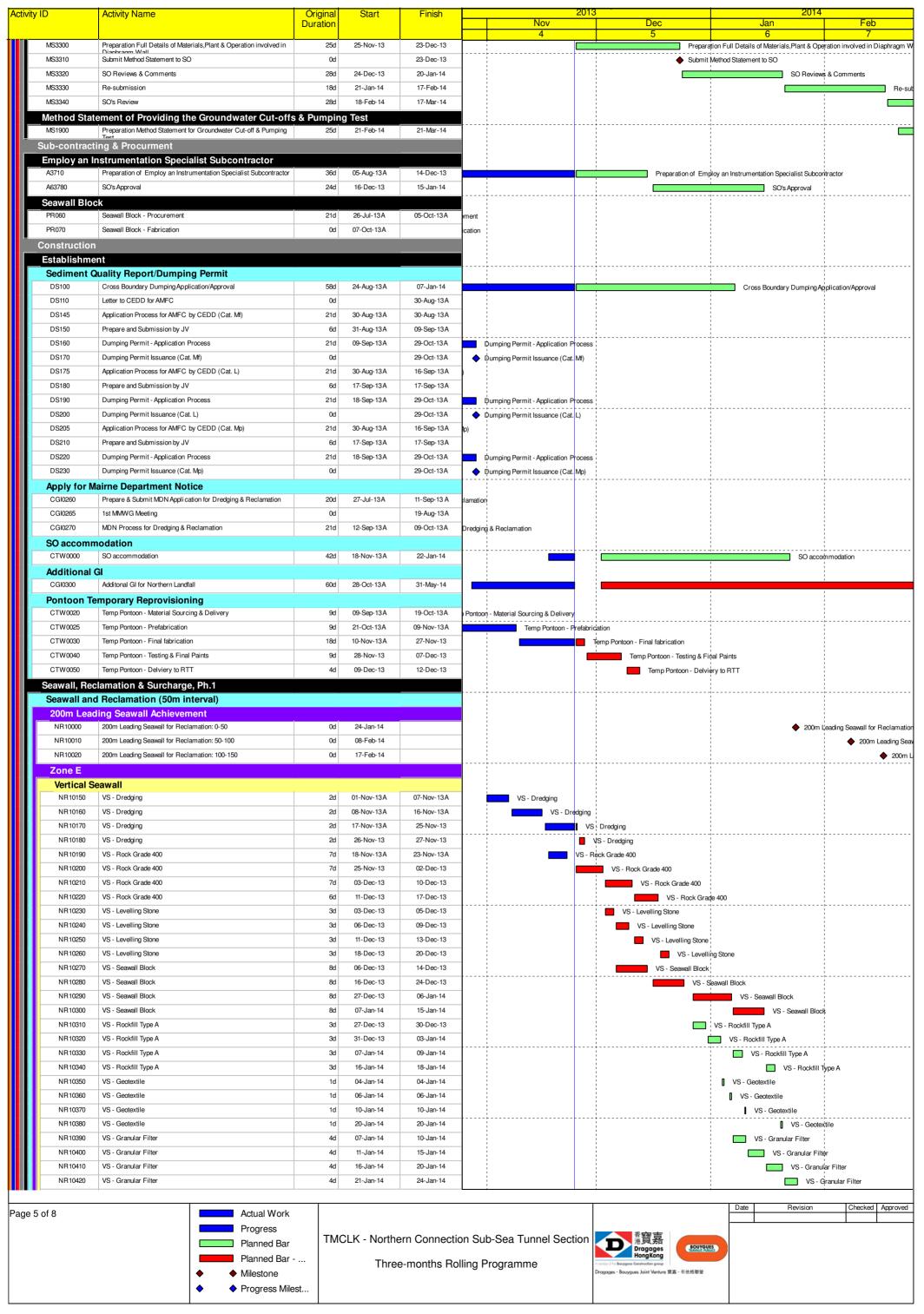
Three-Month Rolling Construction Programme



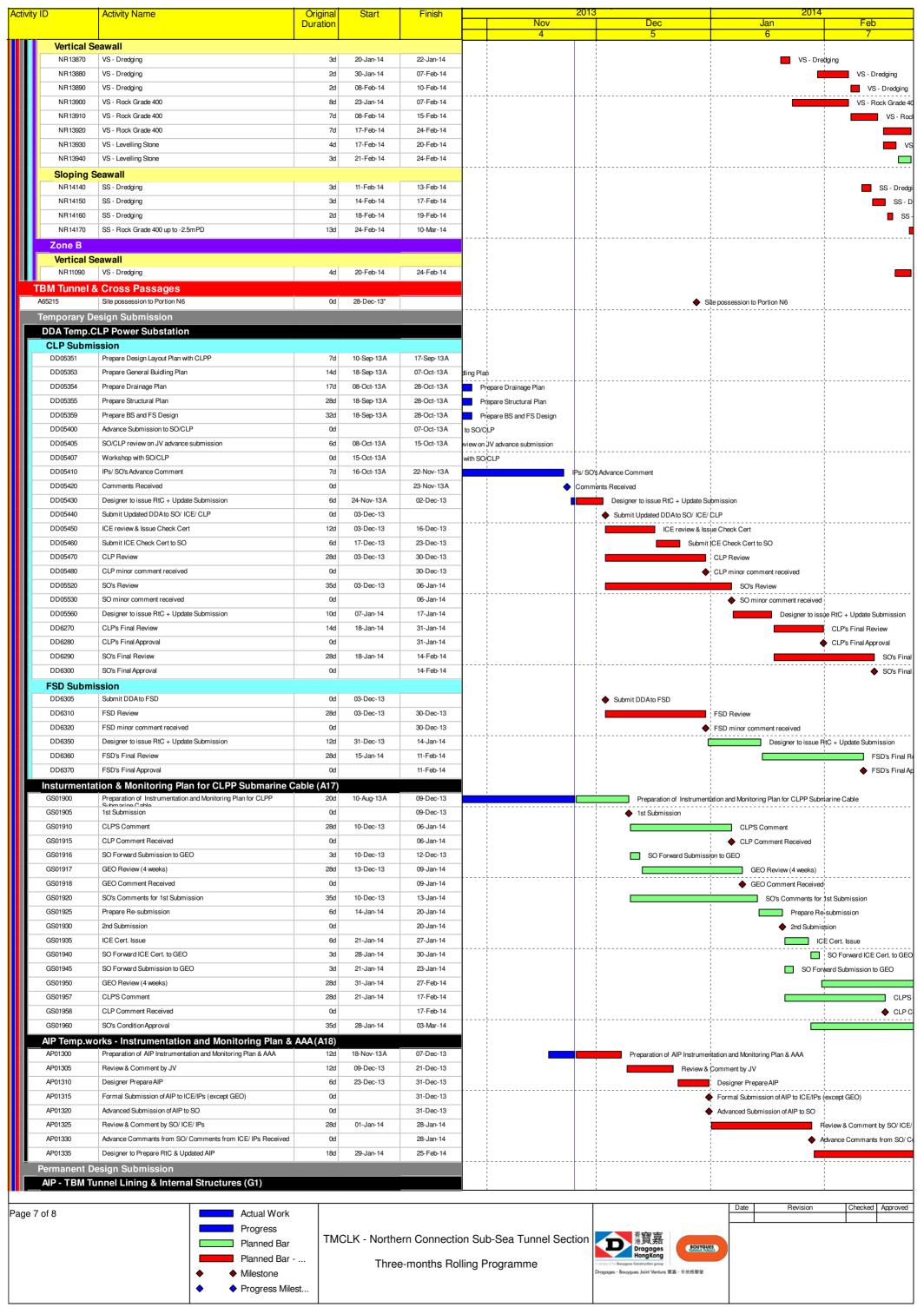


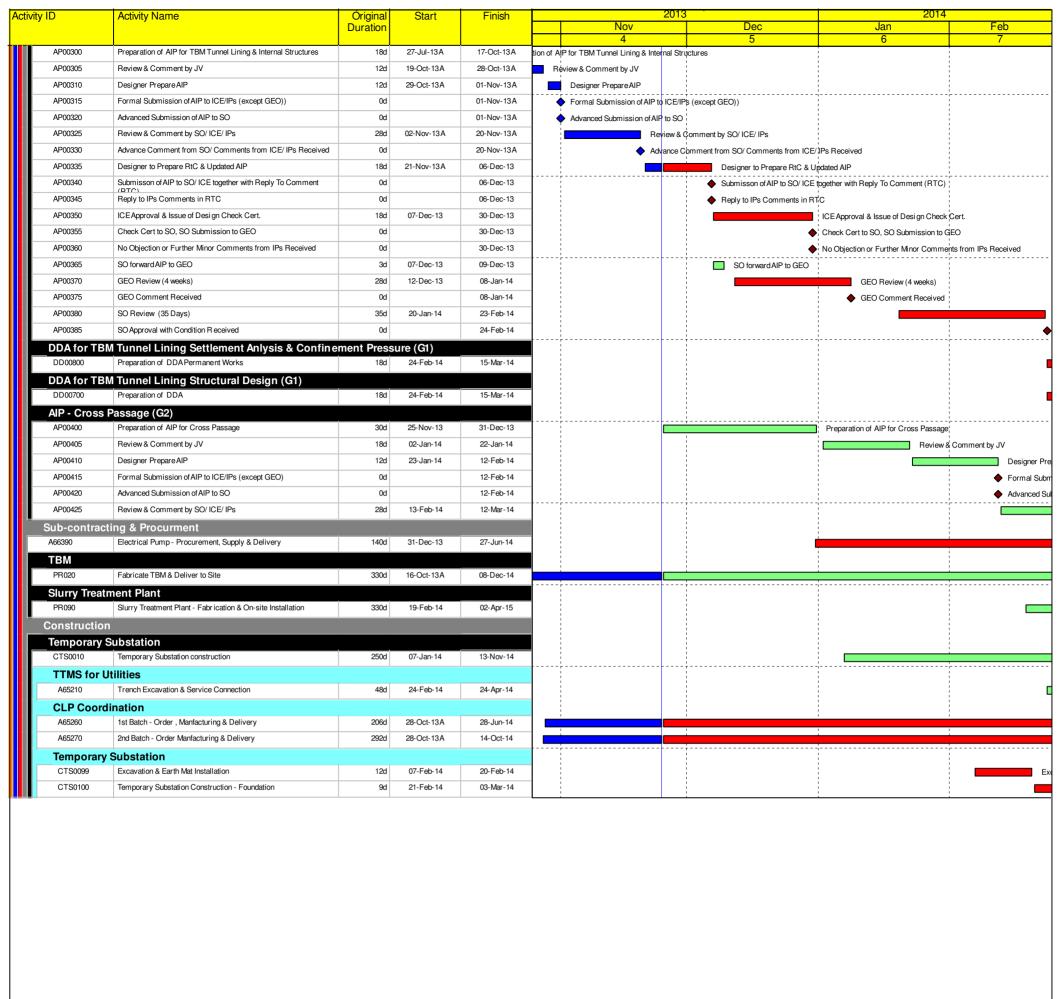


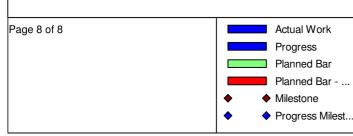












TMCLK - Northern Connection Sub-Sea Tunnel Section
Three-months Rolling Programme



Appendix C

Environmental Mitigation and Enhancement Measure Implementation Schedules

ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Air Quality

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or	Imp	lement Stages		Status
	Reference				Requirement	D	С	О	
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.	construction period	Contractor	TMEIA Avoid dust generation		Y		✓
4.8.1	3.8	The Contractor shall, to the satisfaction of the Engineer, install effective dust suppression measures and take such other measures as may be necessary to ensure that at the Site boundary and any nearby sensitive receiver, dust levels are kept to acceptable levels.	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		✓

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

ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Air Quality

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or	Imp	lement Stages		Status
	Reference				Requirement	D	С	О	
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		√
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	© .	Contractor	TMEIA Avoid dust		Y		✓

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

ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Air Quality

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or	Imp	Implementation Stages		Status
	Reference				Requirement	D	С	О	
		any earthworks excavation activity on the site.							
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.	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.	_	Contractor	TMEIA Avoid dust generation		Y		\Diamond
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		✓

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ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Water Quality

EIA Reference	EM&A Manual Reference	Environmental Protection Measures	Location/ Timing	Implementat ion Agent	Relevant Standard or Requirement	Implementat Stages		Implementation Stages	
	Reference					D	С	О	
Marine Wo	rks (Sequence	(A)					•		
6.10 Figure 6.2a Appendix D6a	Annex A	Construction of seawalls to be advanced by at least 200m before the main reclamation dredging and filling can commence. The protection by advanced seawall is a dynamic process depending on the progress of the construction activities and the stage when such protection could be realised is illustrated in Figure 6.2a and detailed in Appendix D6a. The part of the works where such measures can be undertaken for the majority of the time includes the following locations: - TM-CLKL northern reclamation;	backfilling works	Contractor	TM-EIAO		Y		N/A

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

ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Water Quality

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementat ion Agent	Relevant Standard or Requirement	_	Implementation Stages		-		Status
	Reference					D	С	О			
6.10	-	a maximum of 50% public fill to be used for all seawall filling below +2.5mPD for TM-CLKL southern and northern landfalls.	_	Contractor	TM-EIAO		Y		N/A		
6.10	-	a maximum of 30% public fill to be used for reclamation filling below +2.5mPD for TM-CLKL southern landfall		Contractor	TM-EIAO		Y		N/A		
6.10	-	a maximum of 100% public fill to be used for reclamation filling below +2.5mPD for TM-CLKL northern landfall		Contractor	TM-EIAO		Y		N.A		
6.10	-	Use of cage type silt curtains round all	All areas dredging works	Contractor	TM-EIAO		Y		N/A		

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

ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Water Quality

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementat ion Agent	Relevant Standard or Requirement	Imp	Implementation Stages		_		Status
	Reference					D	С	О			
		grab dredgers during the HKBCF, HKLR and TM-CLKL southern reclamation works.									
	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.	works	Contractor	TM-EIAO		Y		√		
6.10	-	Trailer suction hopper dredgers shall not allow mud to overflow.	All areas/ throughout construction period	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		✓		
6.10	-	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		✓		

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

ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Water Quality

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementat ion Agent	Relevant Standard or Requirement	Imp	lement Stages		Status
	Reference					D	С	О	
6.10 Figure 6.2b Appendix D6b	Annex A	For other parts of the reclamation works construction of seawalls to be advanced by at least 200m before the main reclamation dredging and filling can commence. It should be noted that the protection by advanced seawall is a dynamic process depending on the progress of the construction activities and the stage when such protection could be realised is illustrated in Figure 6.2b and detailed in Appendices D6b. The part of the works where such measures can be undertaken for the majority of the time includes the following locations: - TM-CLKL northern reclamation; - Reclamation filling for Portion D of HKBCF; Reclamation filling for FSD berth of HKBCF; and - Reclamation dredging and filling for Portion 1 of HKLR;	Portion D of HKBCF and HKLR	Contractor	TM-EIAO		Y		N/A

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

ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Water Quality

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementat ion Agent	Relevant Standard or Requirement	Implementation Stages			Status
	Reference					D	С	О	
6.10	-	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
6.10	5.7	Cage type silt curtain (with steel enclosure) shall be used for grab dredgers working in the site of HKBCF and TM-CLKL southern reclamation. Cage type silt curtains will be applied round all grab dredgers at other works area	HKBCF, HKLR and TM-CLKL grab dredging	Contractor	TM-EIAO		Y		✓
6.10	Annex A	A layer of floating type silt curtain will be applied around all works as defined in Appendix D6b	_	Contractor	TM-EIAO		Y		✓
6.10	-	TM-CLKL northern landfall: - Reclamation filling shall not proceed until at least 200m section of leading seawall at both the east and west sides	All areas/ through out marine works	Contractor	TM-EIAO		Y		N/A

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ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Water Quality

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementat ion Agent	Relevant Standard or Requirement	_	lementa Stages		Status
	Reference					D	С	О	
		of the reclamation are formed above +2.5 mPD, except for 100m gaps for marine access;							
General Ma	rine Works								
6.10	-	Use of TMB for the construction of the submarine tunnel.	Tunnel works / Construction phase	Contractor	TM-EIAO		Y		N/A
6.10	-	Export dredged spoils from NWWCZ.	All areas as much as possible / dredging activities	Contractor	DASO Permit conditions		Y		N/A
6.10	-	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
6.10	-	Where sand fill is proposed for filling	All areas/ backfilling works	Contractor	TM-EIAO		Y		N.A

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

ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Water Quality

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementat ion Agent	Relevant Standard or Requirement	Implementation Stages		Status	
	Reference					D	С	О	
		below +2.5mPD, the fine content in the sand fill will be controlled to 5%.							
6.10	-	Mechanical grabs shall be designed and maintained to avoid spillage and should seal tightly while being lifted.	_	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		√
6.10	-	Barges and hopper dredgers shall have tight fitting seals to their bottom openings to prevent leakage of material.		Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		√
6.10	-	Any pipe leakages shall be repaired quickly. Plant should not be operated with leaking pipes.	_	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		
6.10	-	Loading of barges and hoppers shall be controlled to prevent splashing of dredged material to the surrounding water. Barges or hoppers shall not be filled to a level which will cause overflow of materials or pollution of water during loading or transportation.	construction period	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		\Leftrightarrow

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

ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Water Quality

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementat ion Agent	Relevant Standard or Requirement	Imp	Implementation Stages		Status
	Reference					D	С	О	
6.10	-	Excess material shall be cleaned from the decks and exposed fittings of barges and hopper dredgers before the vessel is moved	construction period	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		√
6.10	-	Adequate freeboard shall be maintained on barges to reduce the likelihood of decks being washed by wave action;	_	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		N/A
6.10	-	All vessels shall be sized such that adequate clearance is maintained between vessels and the sea bed at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash.	_	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		N/A
6.10	-	The works shall not cause foam, oil, grease, litter or other objectionable matter to be present in the water within and adjacent to the works site.	_	Contractor	Marine Fill Committee Guidelines. DASO permit conditions.		Y		✓
6.10	5.2	Silt curtain shall have proved effectiveness from the producer and shall be fully maintained throughout the works by the	_	Contractor	TM-EIAO		Y		N/A

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ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Water Quality

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementat ion Agent	Relevant Standard or Requirement	Imp	lement Stages		Status
	Reference					D	С	O	
		contractor.							
6.10	-	The daily maximum production rates shall not exceed those assumed in the water quality assessment.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.10	-	The dredging and filling works shall be scheduled to spread the works evenly over a working day.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		√
Land Work	S			1					
6.10	-	Wastewater from temporary site facilities should be controlled to prevent direct discharge to surface or marine waters.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.10	-	Sewage effluent and discharges from onsite kitchen facilities shall be directed to Government sewer in accordance with the requirements of the WPCO or collected for disposal offsite. The use of soakaways shall be avoided.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		√
6.10	-	Storm drainage shall be directed to storm	All areas/ throughout	Contractor	TM-EIAO		Y		✓

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

ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Water Quality

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementat ion Agent	Relevant Standard or Requirement	Imp	Implementation Stages		Status
	Reference					D	С	О	
		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.	construction period						
6.10	-	Silt removal facilities, channels and manholes shall be maintained and any deposited silt and grit shall be removed regularly, including specifically at the onset of and after each rainstorm.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.10	-	Temporary access roads should be surfaced with crushed stone or gravel.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.10	-	Rainwater pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.10	-	Measures should be taken to prevent the washout of construction materials, soil, silt	All areas/ throughout construction period	Contractor	TM-EIAO		Y		<>

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ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Water Quality

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementat ion Agent	Relevant Standard or Requirement	Imp	Implementatio Stages		Implementation Stages		Status
	Reference					D	С	О			
		or debris into any drainage system.									
6.10	-	Open stockpiles of construction materials (e.g. aggregates and sand) on site should be covered with tarpaulin or similar fabric during rainstorms.	construction period	Contractor	TM-EIAO		Y		<>		
6.10	5.8	Manholes (including any newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers.	construction period	Contractor	TM-EIAO		Y		√		
6.10	-	Discharges of surface run-off into foul sewers must always be prevented in order not to unduly overload the foul sewerage system.	construction period	Contractor	TM-EIAO		Y		√		
6.10	-	All vehicles and plant should be cleaned before they leave the construction site to ensure that no earth, mud or debris is deposited by them on roads. A wheel washing bay should be provided at every site exit.	construction period	Contractor	TM-EIAO		Y		✓		

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

ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Water Quality

EIA Reference	EM&A Manual Reference	Environmental Protection Measures	Location/ Timing	Implementat ion Agent Relevant Stand Requirement		Imp	lement Stages		Status
	Reference					D	С	О	
6.10	-	Wheel wash overflow shall be directed to silt removal facilities before being discharged to the storm drain.	· ·	Contractor	TM-EIAO		Y		✓
6.10	-	Section of construction road between the wheel washing bay and the public road should be surfaced with crushed stone or coarse gravel.		Contractor	TM-EIAO		Y		√
6.10	-	Wastewater generated from concreting, plastering, internal decoration, cleaning work and other similar activities, shall be screened to remove large objects.	_	Contractor	TM-EIAO		Y		✓
6.10	-	Vehicle and plant servicing areas, vehicle wash bays and lubrication facilities shall be located under roofed areas. The drainage in these covered areas shall be connected to foul sewers via a petrol interceptor in accordance with the requirements of the WPCO or collected for off site disposal.	_	Contractor	TM-EIAO		Y		N/A
6.10	-	The Contractor shall prepare an oil / chemical cleanup plan and ensure that leakages or spillages are contained and		Contractor	TM-EIAO		Y		✓

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ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Water Quality

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementat ion Agent	Relevant Standard or Requirement	Imp	Implementation Stages		Status
	Reference					D	С	О	
		cleaned up immediately.							
6.10	-	Waste oil should be collected and stored for recycling or disposal, in accordance with the Waste Disposal Ordinance.	All areas/ throughout construction period	Contractor	TM-EIAO Waste Disposal Ordinance		Y		√
6.10	-	All fuel tanks and chemical storage areas should be provided with locks and be sited on sealed areas. The storage areas should be surrounded by bunds with a capacity equal to 110% of the storage capacity of the largest tank.	construction period	Contractor	TM-EIAO		Y		<>
6.10	-	Surface run-off from bunded areas should pass through oil/grease traps prior to discharge to the stormwater system.	l e	Contractor	TM-EIAO		Y		N/A
6.10	-	Roadside gullies to trap silt and grit shall be provided prior to discharging the stormwater into the marine environment. The sumps will be maintained and cleaned at regular intervals.	Roadside/design and operation	Design Consultant/ Contractor	TM-EIAO	Y		Y	✓
6.10	Section 5	All construction works shall be subject to routine audit to ensure implementation of all EIA recommendations and good	_	Contractor	EM&A Manual		Y		✓

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ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Water Quality

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementat ion Agent	Relevant Standard or Requirement	Imp	Implementation Stages		Status
	Reference					D	С	О	
		working practice.							
Water Qual	ity Monitorin	g			•		•		
6.10	Section 5	Water quality monitoring shall be undertaken for suspended solids, turbidity, and dissolved oxygen. Nutrients and metal parameters shall also be measured for Mf sediment operations (only HKBCF and HKLR required handling of Mf sediment) during baseline, backfilling and post construction period. One year operation phase water quality monitoring at designated stations	as defined in EM&A Manual, Section 5/ Before, through-out marine construction period, post construction and monthly operational phase water quality	Contractor	EM&A Manual		Y	Y	•

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

ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Ecology

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or		lement: Stages		Status
	Reference				Requirement	D	С	О	
8.14	6.3	Specification for and implement pre, during and post construction dolphin abundance monitoring.		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 3,600m ² 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	√

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ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Ecology

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or		Implementation Stages		Status
Reference	Reference	ivieasures		Agent			Stages		
	Reference				Requirement	D	С	О	
8.14	6.3, 6.5	Specification and implementation of	All areas/Detailed Design/during	Design	TMEIA	Y	Y		✓
		marine vessel control specifications	construction works	Consultant/					
		_		Contractor					
8.14	6.3, 6.5	Design and implementation of acoustic	All areas/ Detailed Design/during	Design	TMEIA	Y	Y		\Diamond
		decoupling methods for dredging and	dredging and reclamation works	Consultant/					
		reclamation works		Contractor					
8.15	6.3, 6.4	Pre-construction phase survey and	Detailed Design/Prior to construction	Design	TMEIA	Y	Y		✓
		coral translocation		Consultant/					
				Contractor					
8.15	6.5	Audit coral translocation success	Post translocation	Contractor	TMEIA		Y		N/A

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ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Ecology

EIA Reference	EM&A Manual	nal Measures	Location/ Timing	Implementation Agent	Relevant Standard or	Implementation Stages			Status
	Reference				Requirement	D	С	О	
7.13	6.5	The loss of habitat shall be supplemented by enhancement planting in accordance with the landscape mitigation schedule.	As soon as accessible	Contractor	TMEIA		Y		√
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		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.	© .	Contractor	TMEIA		Y		✓
7.13	6.5	Construction activities should be restricted to the proposed works boundary		Contractor	TMEIA		Y		✓

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ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Landscape and Visual

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or		lementa Stages		Status
	Reference				Requirement	D	С	О	
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

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

ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Landscape and Visual

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Relevant Agent Standard or		Imp	Implementation Stages		Status
	Reference				Requirement	D	С	О	
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		\Diamond
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

ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Landscape and Visual

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or	_	ementa Stages		Status
	Reference				Requirement	D	С	О	
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	✓

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

ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Waste

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	^		r Implementation Stages		Status	
	Reference					D	С	О	
12.6		The Contractor shall identify a coordinator for the management of waste.	Contract mobilisation	Contractor	TMEIA		Y		✓
12.6		The Contractor shall prepare and implement a Waste Management Plan which specifies procedures such as a ticketing system, to facilitate tracking of loads and to ensure that illegal disposal of wastes does not occur, and protocols for the maintenance of records of the quantities of wastes generated, recycled and disposed. A recording system for the amount of waste generated, recycled and disposed (locations) should be established.		Contractor	TMEIA, Works Branch Technical Circular No. 5/99 for the Trip-ticket System for Disposal of Construction and Demolition Material		Y		√
12.6		The Contractor shall apply for and obtain the appropriate licenses for the disposal of public fill, chemical waste and effluent discharges.		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		Contractor	TMEIA		Y		√

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ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Waste

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Imp	Implementation Stages		_		Status
	Reference					D	С	О			
		including waste reduction, reuse and recycling									
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.	construction period	Contractor	TMEIA		Y		✓		
12.6	8.1	The surplus surcharge should be transferred to a fill bank	Reclamation areas / after surcharge works	Contractor	TMEIA		Y		N/A		
12.6	8.1	Rock armour from the existing seawall should be reused on the new sloping seawall as far as possible	_	Contractor	TMEIA		Y		N/A		

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ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Waste

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Imp	lement Stages		Status
	Reference					D	С	О	
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.	construction period	Contractor	TMEIA		Y		~
12.6	8.1	Stockpiled material shall be covered by tarpaulin and /or watered as appropriate to prevent windblown dust/ surface run off.	_	Contractor	TMEIA		Y		<>
12.6	8.1	Excavated material in trucks shall be covered by tarpaulins to reduce the potential for spillage and dust generation.	<u> </u>	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.	_	Contractor	TMEIA		Y		√

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

ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Waste

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Imp	lement Stages		Status
	Reference					D	С	О	
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.	throughout dredging	Contractor	TMEIA		Y		✓
12.6	8.1	Standard formwork or pre-fabrication should be used as far as practicable so as to minimise the C&D materials arising. The use of more durable formwork/plastic facing for construction works should be considered. The use of wooden hoardings should be avoided and metal hoarding should be used to facilitate recycling. Purchasing of construction materials should avoid over-ordering and wastage.	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	construction period	Contractor	TMEIA		Y		•

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

ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Waste

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages		Status	
	Reference					D	С	О	
		be considered for segregation and storage activities.							
12.6	8.1	All falsework will be steel instead of wood.	All areas / throughout construction period	Contractor	TMEIA		Y		✓
12.6	8.1	Chemical waste producers should register with the EPD. Chemical waste should be handled in accordance with the Code of Practice on the Packaging, Handling and Storage of Chemical Wastes as follows: f suitable for the substance to be held, resistant to corrosion, maintained in good conditions and securely closed; f Having a capacity of <450L unless the specifications have been approved by the EPD; and f Displaying a label in English and Chinese according to the instructions prescribed in Schedule 2 of the Regulations. f Clearly labelled and used solely for the storage of chemical wastes; f Enclosed with at least 3 sides; f Impermeable floor and bund with capacity to accommodate 110% of the volume of the largest container or 20%	construction period	Contractor	TMEIA		Y		\Diamond

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

ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Waste

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages		*	
	Reference					D	С	О	
		by volume of the chemical waste stored in the area, whichever is greatest; f Adequate ventilation; f Sufficiently covered to prevent rainfall entering (water collected within the bund must be tested and disposed of as chemical waste, if necessary); and f Incompatible materials are adequately separated.							
12.6	8.1	Waste oils, chemicals or solvents shall not be disposed of to drain,	All areas / throughout construction period	Contractor	TMEIA		Y		✓
12.6	8.1	Adequate numbers of portable toilets should be provided for on-site workers. Portable toilets should be maintained in reasonable states, which will not deter the workers from utilising them.	All areas / throughout construction period	Contractor	TMEIA		Y		✓
12.6	8.1	Night soil should be regularly collected by licensed collectors.	All areas / throughout construction period	Contractor	TMEIA		Y		N/A
12.6	8.1	General refuse arising on-site should be stored in enclosed bins or compaction units separately from C&D and chemical wastes. Sufficient dustbins shall be provided for storage of waste as required under the Public Cleansing and Prevention		Contractor	TMEIA		Y		✓

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

ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Waste

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages		*	
	Reference					D	С	О	
		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.							
12.6	8.1	All waste containers shall be in a secure area on hardstanding;	All areas / throughout construction period	Contractor	TMEIA		Y		✓
12.6	8.1	Training shall be provided to workers about the concepts of site cleanliness and appropriate waste management procedure, including waste reduction, reuse and recycling.	All areas / throughout construction period	Contractor	TMEIA		Y		~
12.6	8.1	Office wastes can be reduced by recycling of paper if such volume is sufficiently large to warrant collection. Participation in a local collection scheme by the Contractor should be advocated. Waste separation facilities for paper, aluminium cans, plastic bottles, etc should be provided on-site.	throughout construction period	Contractor	TMEIA		Y		√
12.6	Section 8	EM&A of waste handling, storage, transportation, disposal procedures and documentation through the site audit programme shall be undertaken.	All areas / throughout construction period	Contractor	EM&A Manual		Y		✓

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

ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Cultural Heritage

EIA	EM&A	Environmental Protection	Location/ Timing	Implementation	Relevant	Imp	lementa		Status
Reference	Manual	Measures		Agent	Standard or		Stages		
	Reference				Requirement				
						D	C	О	
11.8	Section 9	EM&A in the form of audit of the	All areas / throughout construction	Highways	EIAO-TM		Y		✓
		mitigation measures	period	Department					

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

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

Remark:

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

Appendix D

Summary of Action and Limit Levels

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

Parameters	Action	Limit
24 Hour TSP Level in μg/m ³	ASR1 = 213	260
	ASR5 = 238	
	AQMS1 = 213	
	AQMS2 = 238	
	ASR10 = 214	
1 Hour TSP Level in μg /m³	ASR1 = 331	500
_	ASR5 = 340	
	AQMS1 = 335	
	AQMS2 = 338	
	ASR10 = 337	

Table D2 Action and Limit Levels for Water Quality

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

Notes:

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

- (a) For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- (b) "Depth-averaged" is calculated by taking the arithmetic means of reading of all three depths $\frac{1}{2}$
- (c) For turbidity and SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
- (d) All figures given in the table are used for reference only, and EPD may amend the figures whenever it is considered as necessary
- (e) The 1%-ile of baseline data for surface and middle DO is 4.2 mg/L, whilst for bottom DO is 3.6 mg/L.

Table D3 Action and Limit Levels for Impact Dolphin Monitoring

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

Notes:

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

Table D4 Derived Value of Action Level (AL) and Limit Level (LL)

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

Location : ASR 5
Calibrated by : P.F.Yeung
Date : 09/10/2013

Sampler

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

Calibration Orfice and Standard Calibration Relationship

 Serial Number
 : 2323

 Service Date
 : 26 Dec 2012

 Slope (m)
 : 2.09107

 Intercept (b)
 : -0.02838

 Correlation Coefficient(r)
 : 0.99996

Standard Condition

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

Calibration Condition

Pa (hpa) : 1017 Ta(K) : 299

Resi	stance Plate	dH [green liquid]	Z	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	12.5	3.537	1.705	52	52.02
2	13 holes	9.7	3.115	1.503	45	45.01
3	10 holes	7.6	2.758	1.332	40	40.01
4	7 holes	4.7	2.169	1.051	31	31.01
5	5 holes	3.0	1.733	0.842	24	24.01

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

Sampler Calibration Relationship (Linear Regression)

Slope(m):32.148 Intercept(b): -2.953 Correlation Coefficient(r): 0.9997

Location : ASR10A Calibrated by : P.F.Yeung Date : 15/10/2013

Sampler

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

Calibration Orfice and Standard Calibration Relationship

 Serial Number
 : 2323

 Service Date
 : 26 Dec 2012

 Slope (m)
 : 2.09107

 Intercept (b)
 : -0.02838

 Correlation Coefficient(r)
 : 0.99996

Standard Condition

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

Calibration Condition

Pa (hpa) : 1013 Ta(K) : 301

Resi	stance Plate	dH [green liquid]	Z	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	13.0	3.588	1.729	59	58.71
2	13 holes	10.4	3.209	1.548	52	51.74
3	10 holes	7.8	2.779	1.343	45	44.78
4	7 holes	5.0	2.225	1.078	36	35.82
5	5 holes	3.0	1.723	0.838	28	27.86

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

Sampler Calibration Relationship (Linear Regression)

Slope(m):34.384 Intercept(b): 1.161 Correlation Coefficient(r): 0.9997

Location : AQM1
Calibrated by : P.F.Yeung
Date : 17/10/2013

Sampler

 Model
 :
 TE-5170

 Serial Number
 :
 S/N 1253

Calibration Orfice and Standard Calibration Relationship

Serial Number : 2323

 Service Date
 :
 26 Dec 2012

 Slope (m)
 :
 2.09107

 Intercept (b)
 :
 -0.02838

 Correlation Coefficient(r)
 :
 0.99996

Standard Condition

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

Calibration Condition

Pa (hpa) : 1017 Ta(K) : 299

Resi	stance Plate	dH [green liquid]	Z	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	13.4	3.662	1.765	56	56.02
2	13 holes	9.4	3.067	1.480	47	47.01
3	10 holes	7.5	2.739	1.324	41	41.01
4	7 holes	5.0	2.237	1.083	33	33.01
5	5 holes	3.0	1.733	0.842	26	26.01

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

Sampler Calibration Relationship (Linear Regression)

Slope(m):32.944 Intercept(b): -2.175 Correlation Coefficient(r): 0.9990

Location : ASR 1
Calibrated by : P.F.Yeung
Date : 17/10/2013

<u>Sampler</u>

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

Calibration Orfice and Standard Calibration Relationship

Serial Number : 2323

 Service Date
 :
 26 Dec 2012

 Slope (m)
 :
 2.09107

 Intercept (b)
 :
 -0.02838

 Correlation Coefficient(r)
 :
 0.99996

Standard Condition

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

Calibration Condition

Pa (hpa) : 1016 Ta(K) : 299

Resi	stance Plate	dH [green liquid]	Z	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	13.0	3.605	1.737	52	51.99
2	13 holes	10.4	3.224	1.555	46	45.99
3	10 holes	7.8	2.792	1.349	39	38.99
4	7 holes	5.0	2.236	1.083	30	29.99
5	5 holes	3.0	1.732	0.842	23	22.99

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

Sampler Calibration Relationship (Linear Regression)

Slope(m): 32.647 Intercept(b): -4.881 Correlation Coefficient(r): 0.9996

Location : ASR 6A
Calibrated by : P.F.Yeung
Date : 17/10/2013

Sampler

Model : TE-5170 Serial Number : S/N 1059

Calibration Orfice and Standard Calibration Relationship

Serial Number : 2323

 Service Date
 :
 26 Dec 2012

 Slope (m)
 :
 2.09107

 Intercept (b)
 :
 -0.02838

 Correlation Coefficient(r)
 :
 0.99996

Standard Condition

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

Calibration Condition

Pa (hpa) : 1017 Ta(K) : 299

Resi	stance Plate	dH [green liquid]	Z	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	12.5	3.537	1.705	56	56.02
2	13 holes	10.0	3.163	1.526	50	50.01
3	10 holes	8.0	2.829	1.367	44	44.01
4	7 holes	5.2	2.281	1.104	35	35.01
5	5 holes	2.8	1.674	0.814	26	26.01

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

Sampler Calibration Relationship (Linear Regression)

Slope(m):32.148 Intercept(b): -2.953 Correlation Coefficient(r): 0.9997



Performance Check of Turbidity Meter

Equipment Ref. No.

: ET/0505/010

Manufacturer

: HACH

Model No.

: 2100Q

Serial No.

11110 C 014260

Date of Calibration

: 08/102013

Due Date

: 07/01/2014

Gelex Vial Std	Theoretical Value (NTU)	Measured Value (NTU)	Difference %
0-10 NTU	5	5.23	4.50
10-100 NTU	50	52.1	4.11
100-1000 NTU	550	566	2.87

Acceptance Criteria

Difference: -5 % to 5%

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

Checked by: _____ Approved by: ____



k of pH Mete	er
: HANNA	
: 674469	
: 08/11/2013	3
of Primary Solutio	on: <u>003/5.2/001/15</u>
∆pH _{1/2}	₂ = +0.08
pH (S)	= 6.881
tion)	
141-04-04	
08	
	°C
	°C
	о
L CONTRACTOR THE MELTING CONTRACTOR OF THE SECOND CONTRACTOR OF THE SEC	, , , , , , , , , , , , , , , , , , ,
ptable Range	
≤0.05	
≤0.02	
≤0.02	
≤0.5°C	
ents and is deer	med acceptable * /
	oy: /

CPE/015/W



Internal Calibration & F	Performance Checl	k of pH Meter	
Equipment Ref. No. : ET/EW/007/003	Manufacturer	: HANNA	
Model No. : <u>HI 8314</u>	Serial No.	: 674469	
Date of Calibration : 09/11/2013	Calibration Due Date	: 08/12/2013	
Liquid Junction Error			**************************************
Primary Standard Solution Used : Phosphate	Ref No. c	of Primary Solution: <u>(</u>	003/5.2/001/16
Temperature of Solution : 20.2		ΔpH ½ =	+0.08
pH value of diluted buffer : 6.80		рН (S) = <u>(</u>	3.881
$\Delta pH = pH(S) - pH$ of diluted buffer = 0.081	(Observed Deviat	ion)	
Liquid Junction Error (ΔpH_j) = ΔpH - $\Delta pH_{1/2}$ = 0.00)1	- American de la companya del companya del companya de la companya	
Shift on Stirring			
-			
pH of buffer solution (with stirring), pH _s =	6.89		
Shift on stirring, $\triangle pH_s = pH_s - pH(S) - \triangle pH_j =$	0.008		
Noise			
Noise, ΔpH_n = difference between max and min re-	ading : 0.00		
Verification of ATC			
Ref. No. of reference thermometer used:	ET/0521/00		
Temperature record from the reference thermomet	ter (T _R): 20.2	C	,c
Temperature record from the ATC (T _{ATC}):	19.8		°C
Temperature Difference, T _R - T _{ATC}	0.4	C	,с
Acceptance Criteria			
Performance Characteristic	Accep	otable Range	
Liquid Junction Error ΔpHj		≤0.05	
Shift on Stirring ApHs		≤0.02	
Noise ΔpHn		≤0.02	
Verification of ATC Temperature	Difference	≤0.5°C	
The pH meter complies * / dees not comply * w unacceptable * for use. Measurements are traceal * Delete as appropriate		ents and is deemed	acceptable * /
Calibrated by :	_ Checked by	y:	

CPE/015/W



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

Internal Calibration Report of Dissolved Oxygen Meter

Equipment Ref. No. : ET/EW/008/006 Manufacturer

: YSI

Model No.

19/09/2013

Serial No.

12A 100554

Date of Calibration

Pro 2030

Calibration Due Date

18/12/2013

Temperature Verification

Ref. No. of Reference Thermometer:

ET/0521/008

Ref. No. of Water Bath:

Temperature (°C)

	Temperature (°C)				
Reference Thermometer reading	Measured	20.1	Corrected	19.8	
DO Meter reading	Measured	19.6	Difference	0.2	

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

Reagent No. of Na ₂ S ₂ O ₃ titrant	CPE/012/4.5/001/7	Reagent No. of 0.025N K ₂ Cr ₂ O ₇	CPE/012/4.4/001/19 31	
		Trial 1	Trial 2	
Initial Vol. of Na ₂ S ₂ O ₃ (ml)		0.50	15.00	
Final Vol. of Na ₂ S ₂ O ₃ (ml)		10.95	25.50	
Vol. of Na ₂ S ₂ O ₃ used (ml)		10.45	10.50	
Normality of Na ₂ S ₂ O ₃ solution (N)		0.02392	0.02381	
Average Normality (N) of Na ₂ S ₂ O ₃ s	solution (N)	0.02387		
Acceptance criteria, Deviation		Less than ± 0.001N		

Calculation:

Normality of $Na_2S_2O_3$, N = 0.25 / ml $Na_2S_2O_3$ used

Lineality Checking

Determination of dissolved oxygen content by Winkler Titration *

Purging Time (min)	2			5		10	
Trial	1	2	1	2	1	2	
Initial Vol. of Na ₂ S ₂ O ₃ (ml)	0.00	11.20	22.50	0.00	8.10	12.90	
Final Vol. of Na ₂ S ₂ O ₃ (ml)	11.20	22.50	30.40	8.10	12.90	17.80	
Vol. (V) of $Na_2S_2O_3$ used (ml)	11.20	11.30	7.90	8.10	4.80	4.90	
Dissolved Oxygen (DO), mg/L	7.18	7.24	5.06	5.19	3.08	3.14	
Acceptance criteria, Deviation	Less that	n + 0.3mg/L	Less than	+ 0.3mg/L	Less than	+ 0.3mg/L	

Calculation:

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

Purging time, min	DO meter reading, mg/L			Winkler	· Titration res	Difference (%) of DO	
rurging time, min	1	2	Average	1	2	Average	Content
2	7.10	7.30	7.20	7.18	7.24	7.21	0.14
5	5.13	5.52	5.33	5.06	5.19	5.13	3.82
10	3.09	3.31	3.20	3.08	3.14	3.11	2.85
Linear regression coefficient					0.9979		

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

Internal Calibration Report of Dissolved Oxygen Meter

Zero Point Checking

DO meter reading, mg/L	0.00

Salinity Checking

Reagent No. of NaCl (10ppt) CPE/012/4.7/002/09 Reagent No. of NaCl (30ppt) CPE/012/4.8/002/09		 T	1
	Reagent No. of NaCl (10ppt)	Reagent No. of NaCl (30ppt)	CPE/012/4.8/002/09

Determination of dissolved oxygen content by Winkler Titration **

Salinity (ppt)	10		30		
Trial	1	2	1	2	
Initial Vol. of Na ₂ S ₂ O ₃ (ml)	0.00	11.80	24.00	35.10	
Final Vol. of Na ₂ S ₂ O ₃ (ml)	11.80	24.00	35.10	46.40	
Vol. (V) of $Na_2S_2O_3$ used (ml)	11.80	12.20	11.10	11.30	
Dissolved Oxygen (DO), mg/L	7.56	7.82	7.11	7.24	
Acceptance criteria, Deviation	Less than + 0.3mg/L		Less than + 0.3mg/L		

Calculation:

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

Salinity (ppt)	DO meter reading, mg/L				Titration resu	Difference (%) of DO	
Summey (ppt)	1	2	Average	1	2	Average	Content
10	7.65	7.88	7.77	7.56	7.82	7.69	1.03
30	7.03	7.15	7.09	7.11	7.24	7.18	1.26

Acceptance Criteria

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

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

" Delete as appropriate

Calibrated by : ______ Approved by :

CEP/012/W



Performance Check of Salinity Meter

Equipment Ref. No.

: ET/EW/008/006

Manufacturer

: YSI

Model No.

: Pro 2030

Serial No.

: 12A 100554

Date of Calibration

: 19/09/2012

Due Date

: 18/12/2013

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

S/001/5

Salinity Standard (ppt)	Measured Salinity (ppt)	Difference %
30.0	31.8	5.83

Acceptance Criteria

Difference: <10 %

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

Checked by: Approved by:

MetPak IITM

Product Test Report

Part Number: 1723-1B-2-111 Serial Number: 13130002

Location: Gill Instruments Ltd

Product Tested: MetPak Test Date: 26/03/2013

GILL ensures that quality is inherent in all aspects of their activities and ensures that compliance with BS EN ISO9001: 2008 is maintained.

This report certifies that the above instrument has been tested in accordance with Gill internal procedures

Results

Test	Limits	Results
Wind Still Air Test (Zero Wind Speed) Wind Tunnel Test (12m/s nominal)	Pass/Fail Pass/Fail	Pass Pass
Pressure Sensor (Comparison DPI 142)	Pass/Fail	Pass
Temperature Sensor (Comparison HC2-S (SCS certified)) Humidity Sensor (Comparison HC2-S (SCS certified))	Pass/Fail Pass/Fail	Pass Pass

Wind sensor generic calibration is traceable to the University of Southampton wind tunnel and Gill instrumentation is maintained in accordance with UKAS.

Comparisons for Temperature, Humidity and Pressure are done against reference UKAS traceable instruments. The reference system numbers of these instruments are listed above.

All tests have been successfully completed

On behalf of Gill Instruments Ltd



ann

2002-0396 Issue 1



Gill Instruments Ltd Saltmarsh Park Hampshire SO41 9EG, UK

1: +44 (0) 1590 613 500 F: +44 [0] 1590 613 555 E: anem@gill.co.uk

www.gill.co.uk





Certification of Quality

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

ITEM DESCRIPTION:

Wind Direction

MODEL NAME/ NUMBER:

WE570

PART NUMBER:

ED0000

SENSOR RANGE:

0-360°

SENSOR OUTPUT:

4.01-20.03 mA

ACCURACY:

1% of full scale

POWER REQUIRED

10-36 VDC

SERIAL NUMBER:

1337005143

CABLE LENGTH:

25 ft

CERTIFICATES:

CE Compliant

Technician:

Wright, Jess

Date: 9/12/2013

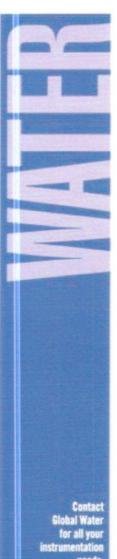
Global Water Instrumentation warrants that its products are free from defects in material & workmanship under normal use & service for a period of one year from date of original shipment from factory. Repaired components are warranted for a period of 90 days from shipment. Contact us for complete warranty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



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Certification of Quality

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

ITEM DESCRIPTION:

Wind Speed Sensor

MODEL NAME/ NUMBER:

WE550

PART NUMBER:

EC0000

SENSOR RANGE:

0-110 MPH

SENSOR OUTPUT:

4.00-19.91 mA

ACCURACY:

.2 MPH over the range 11 to 55 MPH

POWER REQUIRED

10-36 VDC

SERIAL NUMBER:

1337005099

CABLE LENGTH:

25 ft

CERTIFICATES:

CE Compliant

Water Leve Water Flow Water Samplers Water Qualit

Technician:

Wright, Jess

Date: 9/10/2013



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



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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 2013

Air quality monitoring stations: ASR1, ASR5, ASR10, AQMS1, AQMS2

Air quality monitoring static		rigino 1, rigino E				
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1-Nov	2-Nov
						1-hour TSP - 3 times
						24-hour TSP - 1 time
O Nov	4 Nov	F No.	C Nov	7 No.	O Nov	Impact AQM
3-Nov	4-Nov	5-Nov	6-Nov	7-Nov 1-hour TSP - 3 times	8-Nov	9-Nov
				24-hour TSP - 1 time		
				24-11001 131 - 1 tillle		
				Impact AQM		
10-Nov	11-Nov	12-Nov			15-Nov	16-Nov
			1-hour TSP - 3 times			
			24-hour TSP - 1 time			
(= N)	(0.1)		Impact AQM	01.11	20.11	20.11
17-Nov	18-Nov		20-Nov	21-Nov	22-Nov	23-Nov
		1-hour TSP - 3 times 24-hour TSP - 1 time				
		24-110ur 15P - 1 time				
		Impact AQM				
24-Nov	25-Nov		27-Nov	28-Nov	29-Nov	30-Nov
	1-hour TSP - 3 times				1-hour TSP - 3 times	
	24-hour TSP - 1 time				24-hour TSP - 1 time	
	Impact AQM				Impact AQM	

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

HY/2012/08 - Tuen Mun - Chek Lap Kok Link - Northern Connection Sub-sea Tunnel Section Impact Marine Water Quality Monitoring (WQM) Schedule (November 2013)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
27-Oct	28-Oct	29-Oct	30-Oct		1-Nov	2-Nov
					WQM	
					Mid-Ebb	
					11:15	
					(09:30 - 13:00)	
					Mid-Flood	
					17:17	
O.N.	4 N.	5 N.	O.N.	7 11.	(15:32 - 19:02)	O.N.
3-Nov		5-Nov	6-Nov		8-Nov	9-Nov
	WQM		WQM Mid-Flood		WQM	
	Mid-Ebb				Mid-Flood	
	13:22 (11:37 - 15:07)		9:21 (07:36 - 11:06)		11:17 (09:32 - 13:02)	
	(11.37 - 15.07) Mid-Flood		(07.36 - 11.06) Mid-Ebb		(09.32 - 13.02) Mid-Ebb	
	18:53		14:54		16:37	
	(17:08 - 20:38)		(13:09 - 16:39)		(14:52 - 18:22)	
10-Nov		12-Nov	13-Nov	14-Nov	(14.52 - 16.22) 15-Nov	16-Nov
10-1107	WQM		WQM		WQM	10-1107
	Mid-Flood		Mid-Ebb		Mid-Ebb	
	14:39		9:27		11:13	
	(12:54 - 16:24)		(07:42 - 11:12)		(09:28 - 12:58)	
	Mid-Ebb		Mid-Flood		Mid-Flood	
	20:46		16:08		17:14	
	(19:01 - 22:31)		(14:23 - 17:53)		(15:29 - 18:59)	
17-Nov	18-Nov	19-Nov	20-Nov		22-Nov	23-Nov
	WQM		WQM		WQM	
	Mid-Ebb		Mid-Flood		Mid-Flood	
	13:16		9:12		10:31	
	(11:31 - 15:01)		(07:27 - 10:57)		(08:46 - 12:16)	
	Mid-Flood		Mid-Ebb		Mid-Ebb	
	18:40		14:25		15:34	
	(16:55 - 20:25)	00.11	(12:40 - 16:10)	00.11	(13:49 - 17:19)	00.11
24-Nov	25-Nov	26-Nov	27-Nov		29-Nov	30-Nov
	WQM Mid Flood		WQM Mid Flood		WQM	
	Mid-Flood		Mid-Flood 14:36		Mid-Ebb 9:39	
	12:59		(12:51 - 16:21)		9:39 (07:54 - 11:24)	
	(11:14 - 14:44) Mid-Ebb		(12:51 - 16:21) Mid-Ebb		(07:54 - 11:24) Mid-Flood	
	18:15		21:04		15:50	
	(16:38 - 19:51)		(19:19 - 22:49)		(14:05 - 17:35)	
	(10.30 - 13.31)		(13.13 - 22.43)		(14.05 - 17.35)	

HY/2012/08 - Tuen Mun - Chek Lap Kok Link Northern Connection Sub-sea Tunnel Section Impact Dolphin Monitoring Survey Monitoring Schedule - November 2013

Dolphin Monitoring Survey Locations: North West Lantau and North East Lantau

Dolphin Monitoning Survey	Locations. North West Lan	tau and North East Lantau				
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				-	1-Nov	2-Nov
					Impact Dolphin Monitoring	
3-Nov	4-Nov	5-Nov	6-Nov	7-Nov	8-Nov	9-Nov
		Impact Dolphin Monitoring			Impact Dolphin Monitoring	
10-Nov	11-Nov	12-Nov	13-Nov	14-Nov	15-Nov	16-Nov
			Impact Dolphin Monitoring			
17-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	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 Air Quality Impact Monitoring Schedule - December 2013

Air quality monitoring stations: ASR1, ASR5, ASR10, AQMS1, AQMS2

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
01-Dec	02-Dec	03-Dec	04-Dec		06-Dec	07-Dec
				1-hour TSP - 3 times 24-hour TSP - 1 time		
				Impact AQM		
08-Dec	09-Dec	10-Dec		12-Dec	13-Dec	14-Dec
			1-hour TSP - 3 times 24-hour TSP - 1 time			
			Impact AQM			
15-Dec	16-Dec			19-Dec	20-Dec	21-Dec
		1-hour TSP - 3 times 24-hour TSP - 1 time				
		Impact AQM				
22-Dec		24-Dec	Public Holiday 25-Dec	Public Holiday 26-Dec	27-Dec	
	1-hour TSP - 3 times 24-hour TSP - 1 time					1-hour TSP - 3 times 24-hour TSP - 1 time
	Impact AQM					Impact AQM
29-Dec		31-Dec				

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

HY/2012/08 - Tuen Mun - Chek Lap Kok Link - Northern Connection Sub-sea Tunnel Section Impact Marine Water Quality Monitoring (WQM) Schedule (December 2013)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
01-Dec		03-Dec	04-Dec		06-Dec	07-Dec
	WQM		WQM		WQM	
	Mid-Ebb		Mid-Ebb		Mid-Flood	
	12:20		13:55		10:09	
	(10:35 - 14:05)		(12:10 - 15:40)		(08:24 - 11:54)	
	Mid-Flood 17:44		Mid-Flood 19:07		Mid-Ebb	
	(15:59 - 19:30)		(17:22 - 20:52)		15:32 (13:47 - 17:17)	
08-Dec	,	10-Dec	(17.22 - 20.52) 11-Dec	12-Dec	(13.47 - 17.17) 13-Dec	14-Dec
Uo-Dec	WQM		WQM		WQM	14-Dec
	Mid-Flood		Mid-Flood		Mid-Ebb	
	12:48		14:35		9:55	
	(11:03 - 14:33)		(12:50 - 16:20)		(08:10 - 11:40)	
	Mid-Ebb		Mid-Ebb		Mid-Flood	
	18:48		21:17		15:59	
	(17:03 - 20:33)		(19:32 - 23:02)		(14:14 - 17:44)	
15-Dec		17-Dec			20-Dec	21-Dec
, ,	WQM		WQM		WQM	
	Mid-Ebb		Mid-Ebb		Mid-Flood	
	12:21		13:30		9:27	
	(10:36 - 14:06)		(11:45 - 15:15)		(07:42 - 11:12)	
	Mid-Flood		Mid-Flood		Mid-Ebb	
	17:38		18:42		14:36	
	(15:53 - 19:23)		(16:57 - 20:27)		(12:51 - 16:21)	
22-Dec		24-Dec	25-Dec		27-Dec	28-Dec
	WQM		WQM		WQM	
	Mid-Flood		Mid-Flood		Mid-Flood	
	11:06		12:31		14:05	
	(09:21 - 12:51)		(10:46 - 14:16)		(12:20 - 15:50)	
	Mid-Ebb		Mid-Ebb		Mid-Ebb	
	16:32		18:39		21:04	
29-Dec	(14:47 - 18:17) 30-Dec	31-Dec	(16:54 - 20:24)		(19:19 - 22:49)	
29-Dec	WQM	31-000				
	Mid-Ebb					
	11:13					
	(09:28 - 12:58)					
	Mid-Flood					
	16:30					
	(14:45 - 18:15)					

Appendix G

Impact Air Quality Monitoring Results

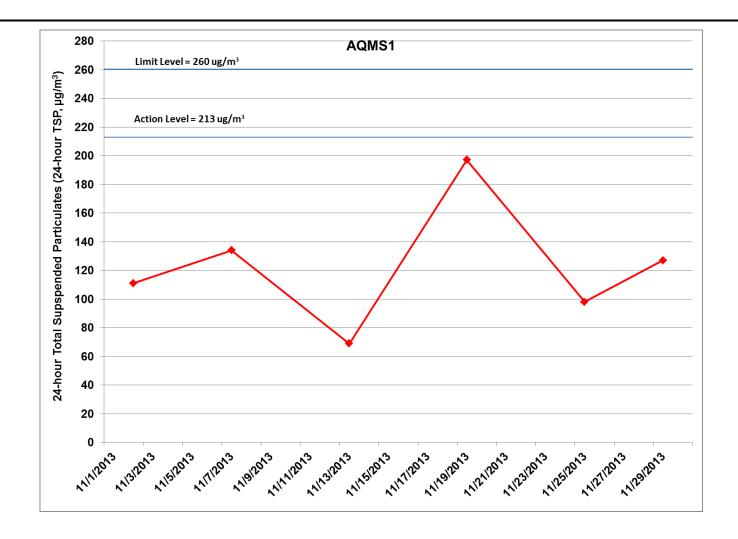


Figure G.1 Impact Monitoring – Mean Level of 24-hour Total Suspended Particulates (mg/L) at AQMS1 between 1 and 30 November 2013 during impact monitoring period.



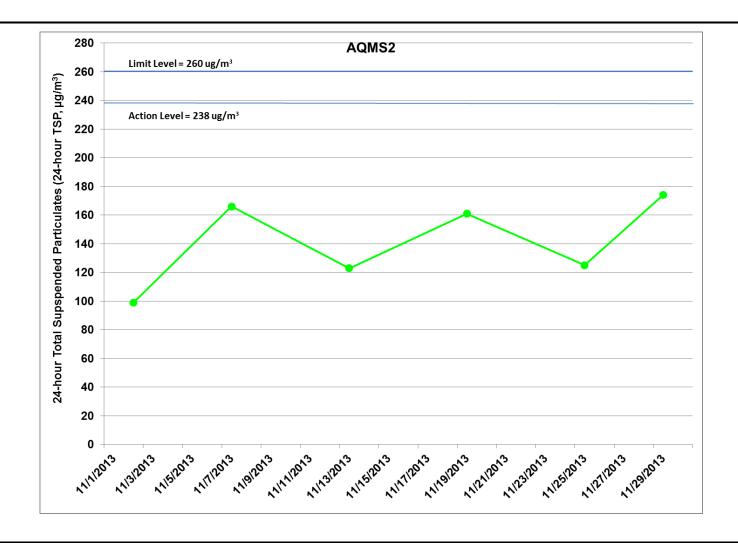


Figure G.2 Impact Monitoring – Mean Level of 24-hour Total Suspended Particulates (mg/L) at AQMS2 between 1 and 30 November 2013 during impact monitoring period.



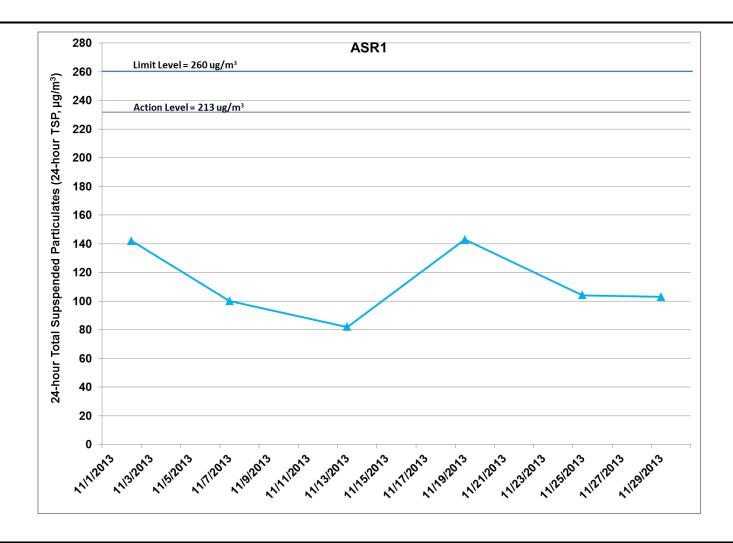


Figure G.3 Impact Monitoring - Mean Level of 24-hour Total Suspended Particulates (mg/L) at ASR1 between 1 and 30 November 2013 during impact monitoring period.



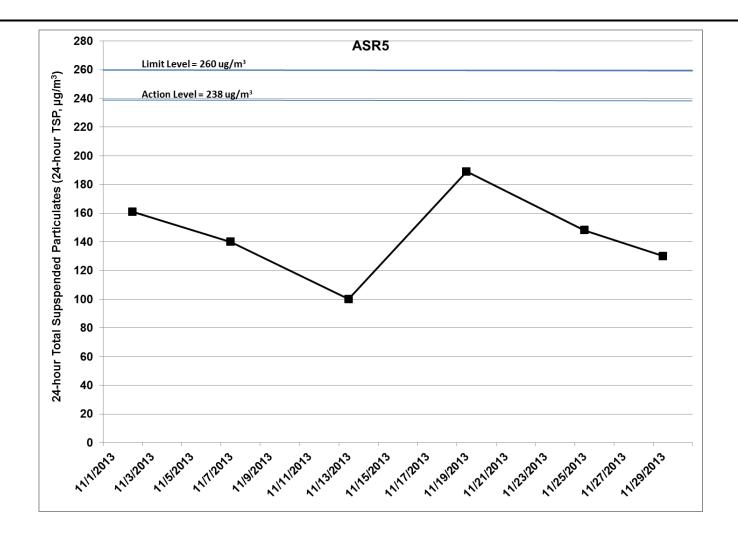


Figure G.4 Impact Monitoring - Mean Level of 24-hour Total Suspended Particulates (mg/L) at ASR5 between 1 and 30 November 2013 during impact monitoring period.



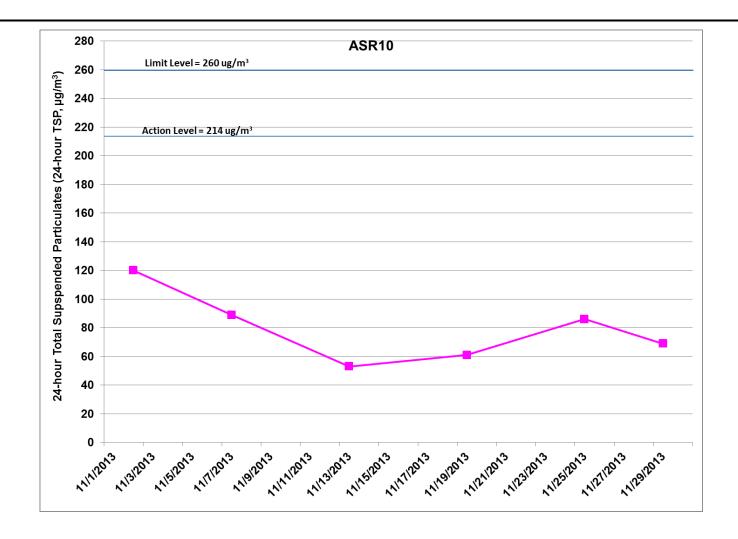


Figure G.5 Impact Monitoring – Mean Level of 24-hour Total Suspended Particulates (mg/L) at ASR10 between 1 and 30 November 2013 during impact monitoring period.



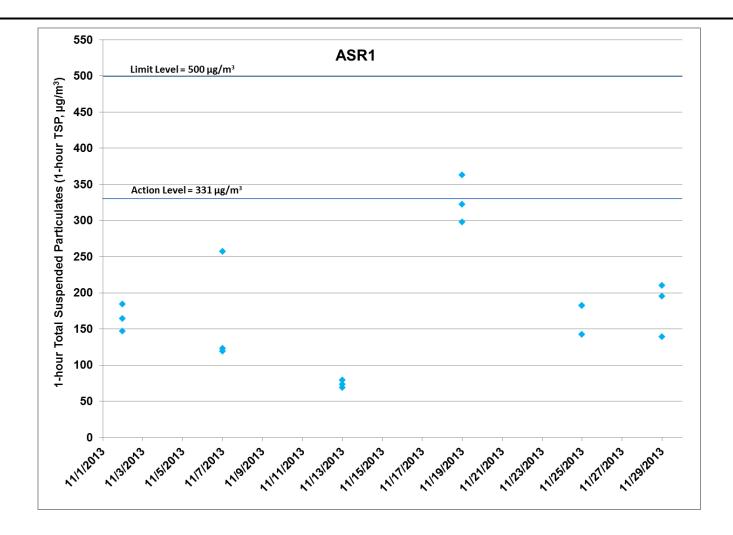


Figure G.6 Impact Monitoring – 1-hour Total Suspended Particulates (mg/L) at ASR1 between 1 and 30 November 2013 during impact monitoring period.



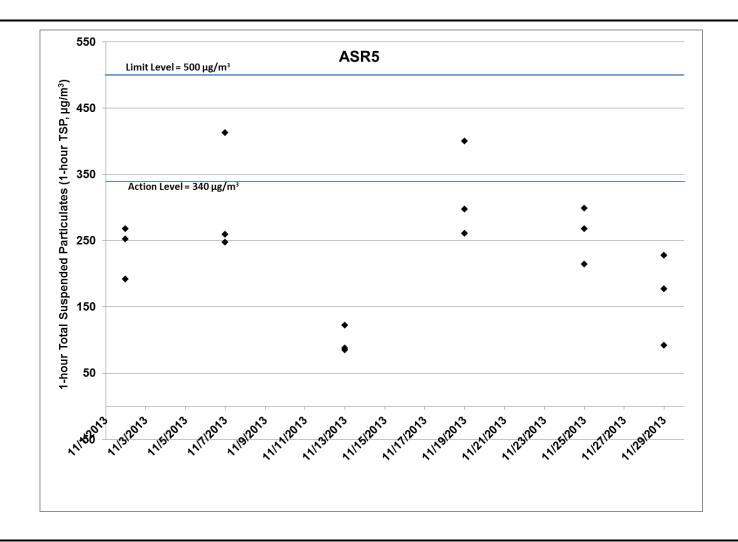


Figure G.7 Impact Monitoring – 1-hour Total Suspended Particulates (mg/L) at ASR5 between 1 and 30 November 2013 during impact monitoring period.



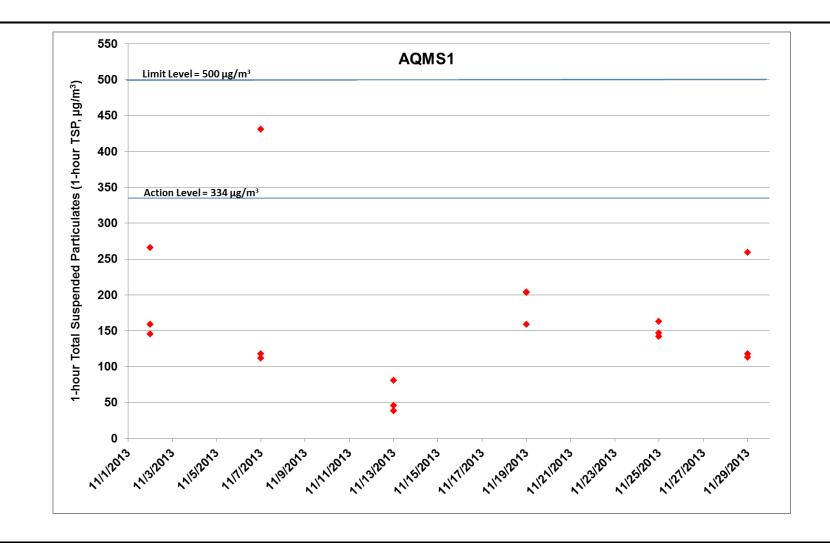


Figure G.8 Impact Monitoring – 1-hour Total Suspended Particulates (mg/L) at AQMS1 between 1 and 30 November 2013 during impact monitoring period.



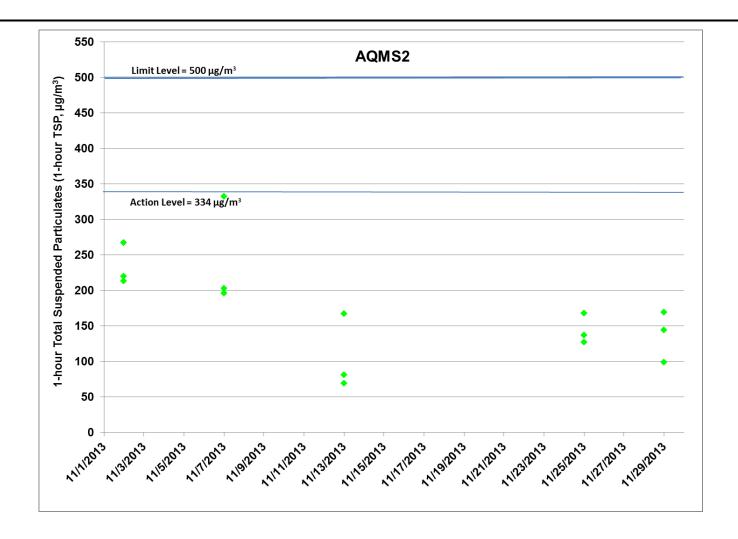


Figure G.9 Impact Monitoring – 1-hour Total Suspended Particulates (mg/L) at AQMS2 between 1 and 30 November 2013 during impact monitoring period.



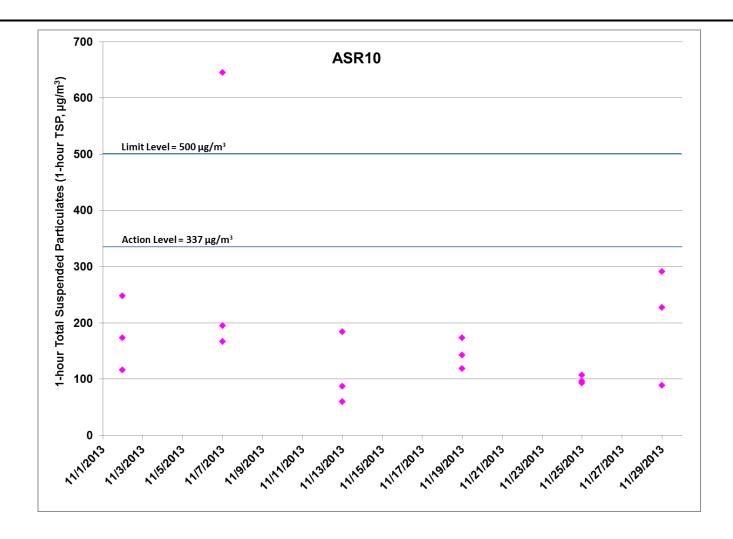


Figure G.10 Impact Monitoring – 1-hour Total Suspended Particulates (mg/L) at ASR10 between 1 and 30 November 2013 during impact monitoring period.



Project	Works	Date S	tation \	Weather	Start time	End Time (hh:mm, 24hour)	Р	arameters	Results	units
TMCLKL	HY/2012/08	2013/11/02 A	QMS2	S	08:08		09:08 1-	-hour TSP	213	µg/m³
TMCLKL	HY/2012/08	2013/11/02 A	QMS2	S	09:10		10:10 1-	-hour TSP	267	μg/m³
TMCLKL	HY/2012/08	2013/11/02 A	QMS2	S	10:12		11:12 1-	-hour TSP	220	μg/m³
TMCLKL	HY/2012/08	2013/11/02 A	QMS1	S	08:40		09:40 1-	-hour TSP	145	μg/m³
TMCLKL	HY/2012/08	2013/11/02 A	QMS1	S	09:40		10:40 1-	-hour TSP	266	μg/m³
TMCLKL	HY/2012/08	2013/11/02 A	QMS1	S	10:40		11:40 1-	-hour TSP	159	μg/m³
TMCLKL	HY/2012/08	2013/11/02 A	SR10	S	08:00		09:00 1-	-hour TSP	173	μg/m³
TMCLKL	HY/2012/08	2013/11/02 A	SR10 :	S	09:02		10:02 1-	-hour TSP	248	μg/m³
TMCLKL	HY/2012/08	2013/11/02 A	SR10 :	S	10:04		11:04 1-	-hour TSP	116	μg/m ³
TMCLKL	HY/2012/08	2013/11/02 A	SR1	S	08:30		09:30 1-	-hour TSP	164	μg/m³
TMCLKL	HY/2012/08	2013/11/02 A	SR1	S	09:32		10:32 1-	-hour TSP	184	µg/m³
TMCLKL	HY/2012/08	2013/11/02 A	SR1	S	10:34		11:34 1-	-hour TSP	147	μg/m ³
TMCLKL	HY/2012/08	2013/11/02 A	SR5	S	08:20		09:20 1-	-hour TSP	192	μg/m³
TMCLKL	HY/2012/08	2013/11/02 A	SR5	S	09:22		10:22 1-	-hour TSP	268	µg/m³
TMCLKL	HY/2012/08	2013/11/02 A	SR5	S	10:24		11:24 1-	-hour TSP	252	μg/m ³
TMCLKL	HY/2012/08	2013/11/07 A	SR1	S	08:30		09:30 1-	-hour TSP	257	μg/m ³
TMCLKL	HY/2012/08	2013/11/07 A	SR1	S	09:32		10:32 1-	-hour TSP	119	µg/m³
TMCLKL	HY/2012/08	2013/11/07 A	SR1	S	10:34		11:34 1-	-hour TSP	123	µg/m³
TMCLKL	HY/2012/08	2013/11/07 A	SR5	S	08:20		09:20 1-	-hour TSP	413	μg/m ³
TMCLKL	HY/2012/08	2013/11/07 A	SR5	S	09:22		10:22 1-	-hour TSP	247	μg/m³
TMCLKL	HY/2012/08	2013/11/07 A	SR5	S	10:24		11:24 1-	-hour TSP	259	μg/m³
TMCLKL	HY/2012/08	2013/11/07 A	QMS2	S	08:08		09:08 1-	-hour TSP	332	μg/m³
TMCLKL	HY/2012/08	2013/11/07 A	QMS2	S	09:10		10:10 1-	-hour TSP	203	μg/m³
TMCLKL	HY/2012/08	2013/11/07 A	QMS2	S	10:12		11:12 1-	-hour TSP	196	μg/m³
TMCLKL	HY/2012/08	2013/11/07 A	SR10 :	S	08:00		09:00 1-	-hour TSP	195	μg/m³
TMCLKL	HY/2012/08	2013/11/07 A	SR10 :	S	09:02		10:02 1-	-hour TSP	645	μg/m³

TMCLKL	HY/2012/08	2013/11/07 ASR10	S	10:04	11:04 1-hour TSP	167 µg/m³
TMCLKL	HY/2012/08	2013/11/07 AQMS1	S	08:40	09:40 1-hour TSP	431 µg/m ³
TMCLKL	HY/2012/08	2013/11/07 AQMS1	S	09:42	10:42 1-hour TSP	112 µg/m³
TMCLKL	HY/2012/08	2013/11/07 AQMS1	S	10:44	11:44 1-hour TSP	118 µg/m³
TMCLKL	HY/2012/08	2013/11/13 AQMS1	S	10:47	11:47 1-hour TSP	46 μg/m ³
TMCLKL	HY/2012/08	2013/11/29 ASR1	S	08:35	09:35 1-hour TSP	139 µg/m ³
TMCLKL	HY/2012/08	2013/11/29 ASR1	S	09:37	10:37 1-hour TSP	195 μg/m ³
TMCLKL	HY/2012/08	2013/11/29 ASR1	S	10:39	11:39 1-hour TSP	210 µg/m ³
TMCLKL	HY/2012/08	2013/11/29 ASR5	S	08:26	09:26 1-hour TSP	92 μg/m ³
TMCLKL	HY/2012/08	2013/11/29 ASR5	S	09:28	10:28 1-hour TSP	177 µg/m³
TMCLKL	HY/2012/08	2013/11/29 ASR5	S	10:30	11:30 1-hour TSP	228 µg/m³
TMCLKL	HY/2012/08	2013/11/29 AQMS2	S	08:16	09:16 1-hour TSP	99 μg/m ³
TMCLKL	HY/2012/08	2013/11/29 AQMS2	S	09:18	10:18 1-hour TSP	169 µg/m ³
TMCLKL	HY/2012/08	2013/11/29 AQMS2	S	10:20	11:20 1-hour TSP	144 µg/m³
TMCLKL	HY/2012/08	2013/11/29 ASR10	S	08:06	09:06 1-hour TSP	227 µg/m³
TMCLKL	HY/2012/08	2013/11/29 ASR10	S	09:08	10:08 1-hour TSP	89 µg/m³
TMCLKL	HY/2012/08	2013/11/29 ASR10	S	10:10	11:10 1-hour TSP	291 µg/m³

Project	Works	Date	Station	Weather	Start time (hh:mm, 24hour)	End Time (hh:mm, 24hour)	Parameters	Results	units	Elapsed T	me Reading	Total sampling time	Flov	v rate (m	n ³ /min)	Total Volume (m³)	Filter ID	Filter W	/eight (g)
										Initial	Final	(min)	Initial	Final	Average			Initial	Final
TMCLKL	HY/2012/08	2013/11/02	ASR6	S	11:14	11:14	24-hour TSP	99	μg/m³	6587.62	6611.62	1440	1.23	1.23	1.23	1771.2	050591	2.7851	2.9610
TMCLKL	HY/2012/08	2013/11/02	AQMS1	S	09:46	09:46	24-hour TSP	111	μg/m ³	19720.10	19744.10	1440	1.28	1.28	1.28	1843.2	050583	2.7273	2.9310
TMCLKL	HY/2012/08	2013/11/02	ASR10	S	11:06	11:06	24-hour TSP	120	μg/m ³	15548.65	15572.65	1440	1.25	1.25	1.25	1800.0	050599	2.7486	2.9646
TMCLKL	HY/2012/08	2013/11/02	ASR1	S	11:36	11:36	24-hour TSP	142	μg/m ³	7983.17	8007.17	1440	1.37	1.37	1.37	1972.8	050595	2.7385	3.0388
TMCLKL	HY/2012/08	2013/11/02	ASR5	S	11:26	11:26	24-hour TSP	161	μg/m ³	18012.90	18036.90	1440	1.27	1.27	1.27	1828.8	050587	2.7297	3.0236
TMCLKL	HY/2012/08	2013/11/07	ASR1	S	11:36	11:36	24-hour TSP	100	μg/m ³	8010.17	8034.17	1440	1.37	1.37	1.37	1972.8	050616	2.7734	2.9707
TMCLKL	HY/2012/08	2013/11/07	ASR5	S	11:26	11:26	24-hour TSP	140	μg/m ³	18039.90	18063.90	1440	1.27	1.27	1.27	1828.8	050611	2.7684	3.0244
TMCLKL	HY/2012/08	2013/11/07	AQMS2	S	11:14	11:14	24-hour TSP	166	μg/m ³	6614.62	6638.62	1440	1.23	1.23	1.23	1771.2	050607	2.7554	3.0486
TMCLKL	HY/2012/08	2013/11/07	ASR10	S	11:06	11:06	24-hour TSP	89	μg/m ³	15575.65	15599.65	1440	1.25	1.25	1.25	1800.0	050603	2.7669	2.9266
TMCLKL	HY/2012/08	2013/11/07	AQMS1	S	11:46	11:46	24-hour TSP	134	μg/m ³	19747.10	19771.10	1440	1.28	1.28	1.28	1843.2	050620	2.7514	2.9977
TMCLKL	HY/2012/08	2013/11/13	AQMS1	S	11:49	11:49	24-hour TSP	69	μg/m ³	19774.10	19798.10	1440	1.28	1.28	1.28	1843.2	050644	2.7200	2.8470
TMCLKL	HY/2012/08	2013/11/13	ASR10	S	11:06	11:06	24-hour TSP	53	μg/m ³	15602.65	15626.65	1440	1.25	1.25	1.25	1800.0	050643	2.7292	2.8247
TMCLKL	HY/2012/08	2013/11/13	AQMS2	S	11:16	11:16	24-hour TSP	123	μg/m ³	6641.62	6665.62	1440	1.23	1.23	1.23	1771.2	050633	2.7320	2.9492
TMCLKL	HY/2012/08	2013/11/13	ASR5	S	11:26	11:26	24-hour TSP	100	μg/m ³	18066.90	18090.90	1440	1.27	1.27	1.27	1828.8	050628	2.7344	2.9171
TMCLKL	HY/2012/08	2013/11/13	ASR1	S	11:38	11:38	24-hour TSP	82	μg/m ³	8037.17	8061.17	1440	1.37	1.37	1.37	822.0	050636	2.7312	2.7372
TMCLKL	HY/2012/08	2013/11/19	AQMS1	S	11:48	11:48	24-hour TSP	197	μg/m ³	19801.10	19825.10	1440	1.28	1.28	1.28	1843.2	050660	2.7124	3.0746
TMCLKL	HY/2012/08	2013/11/19	ASR1	S	11:27	11:27	24-hour TSP	143	μg/m ³	8064.17	8088.17	1440	1.37	1.37	1.37	1972.8	050652	2.7052	2.9879
TMCLKL	HY/2012/08	2013/11/19	ASR5	S	11:26	11:26	24-hour TSP	189	μg/m ³	18093.90	18117.90	1440	1.27	1.27	1.27	1828.8	050648	2.7374	3.0839
TMCLKL	HY/2012/08	2013/11/19	ASR6	S	11:16	11:16	24-hour TSP	174	μg/m ³	6668.62	6692.62	1440	1.23	1.23	1.23	1771.2	050656	2.6993	3.0070
TMCLKL	HY/2012/08	2013/11/19	ASR10	S	11:06	11:06	24-hour TSP	61	μg/m ³	15629.65	15653.65	1440	1.25	1.25	1.25	1800.0	050661	2.7059	2.8153
TMCLKL	HY/2012/08	2013/11/25	AQMS1	S	11:55	11:55	24-hour TSP	98	μg/m ³	19828.10	19852.10	1440	1.18	1.18	1.18	1843.2	050797	2.7321	2.9130
TMCLKL	HY/2012/08	2013/11/25	ASR1	S	11:43	11:43	24-hour TSP	104	μg/m ³	8091.17	8115.17	1440	1.37	1.37	1.37	1972.8	050796	2.7677	2.9724
TMCLKL	HY/2012/08	2013/11/25	ASR5	S	11:31	11:31	24-hour TSP	148	μg/m ³	18120.90	18144.90	1440	1.27	1.27	1.27	1828.8	050795	2.7815	3.0528
TMCLKL	HY/2012/08	2013/11/25	AQMS2	S	11:22	11:22	24-hour TSP			6695.62	6719.62	1440	1.23	1.23	1.23	1771.2	050794	2.7940	3.0792
TMCLKL	HY/2012/08	2013/11/25	ASR10	S	11:11	11:11	24-hour TSP	86	μg/m ³	15656.65	15680.65	1440	1.25	1.25	1.25	1800.0	050793	2.7625	2.9169
TMCLKL	HY/2012/08	2013/11/29	AQMS1	S	11:53	11:53	24-hour TSP	127	μg/m ³	14855.10	19879.10	1440	1.28	1.28	1.28	1843.2	050817	2.6510	2.8859
TMCLKL	HY/2012/08	2013/11/29	ASR1	S	11:41	11:41	24-hour TSP	103	μg/m ³	8118.17	8142.17	1440	1.37	1.37	1.37	1972.8	050813	2.7672	2.9711
TMCLKL	HY/2012/08	2013/11/29	ASR5	S	11:32	11:32	24-hour TSP	130	μg/m³	18147.90	18171.90	1440	1.27	1.28	1.27	1828.8	050809	2.7879	3.0264
TMCLKL	HY/2012/08	2013/11/29	AQMS2	S	11:24	11:24	24-hour TSP	125	μg/m ³	6722.62	6746.62	1440	1.23	1.23	1.23	1771.2	050805	2.7589	2.9808
TMCLKL	HY/2012/08	2013/11/29	ASR10	S	11:12	11:12	24-hour TSP	69	μg/m³	15683.65	15707.65	1440	1.25	1.25	1.25	1800.0	050801	2.7629	2.8864

* Note:

S = Sunny/Fine; C = Cloudy/Overcast; R = Rainy

Appendix H

Meteorological Data

Meteorological Data for Impact Monitoring in the reporting period

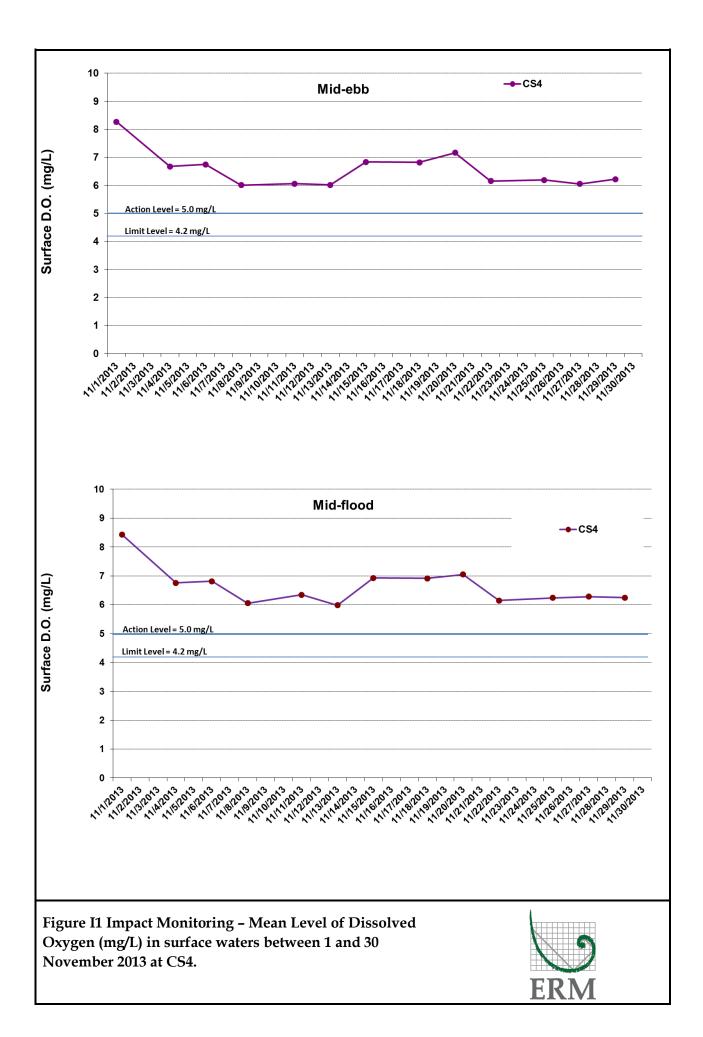
Date		Average of Wind Direction (degree)	Average of Wind Speed (m/s)
2-Nov-13	0:00		0.58
2-Nov-13	1:00	189	0.96
2-Nov-13	2:00	256	0.79
2-Nov-13	3:00	181	0.70
2-Nov-13	4:00	167	1.71
2-Nov-13	5:00		1.95
2-Nov-13	6:00	200	1.16
2-Nov-13	7:00	197	1.58
2-Nov-13	8:00	154	3.05
2-Nov-13	9:00	136	3.09
2-Nov-13	10:00	135	2.65
2-Nov-13	11:00	129	2.54
2-Nov-13	12:00		3.25
2-Nov-13	13:00		2.88
2-Nov-13	14:00	157	2.39
7-Nov-13	0:00	179	0.38
7-Nov-13	1:00	231	0.35
7-Nov-13	2:00		0.44
7-Nov-13	3:00		0.51
7-Nov-13	4:00	271	0.49
7-Nov-13	5:00	176	0.37
7-Nov-13	6:00		0.95
7-Nov-13	7:00	104	1.60
7-Nov-13	8:00	124	1.60
7-Nov-13	9:00	130	1.83
7-Nov-13	10:00	162	1.07
7-Nov-13	11:00		1.22
7-Nov-13	12:00		1.48
7-Nov-13	13:00	158	1.43
7-Nov-13	14:00		1.38
7-Nov-13	15:00		1.38
13-Nov-13	0:00		0.57
13-Nov-13	1:00		0.49
13-Nov-13	2:00	181	0.75
13-Nov-13	3:00		1.40
13-Nov-13	4:00		2.42
13-Nov-13	5:00	105	3.22
13-Nov-13	6:00		3.14
13-Nov-13	7:00		3.08
13-Nov-13	8:00	98	3.49
13-Nov-13	9:00	100	3.23
13-Nov-13	10:00	128	2.37
13-Nov-13	11:00		1.48
13-Nov-13	12:00	126	2.13
13-Nov-13	13:00		1.72
13-Nov-13	14:00		1.61
13-Nov-13	15:00		1.55
13-Nov-13	16:00		1.44
13-Nov-13	17:00		1.07

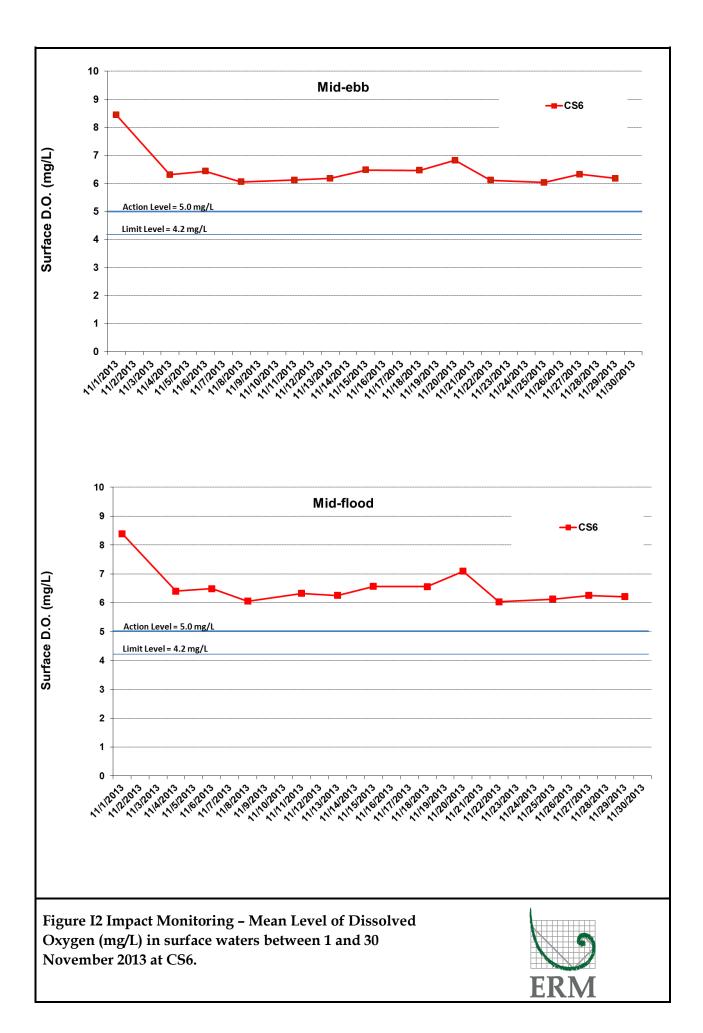
10 NT 10	10.00	101	1.00
13-Nov-13	18:00	181	1.22
13-Nov-13	19:00	168	1.30
13-Nov-13	20:00	173	1.37
13-Nov-13	21:00	214	0.94
13-Nov-13	22:00	186	0.56
13-Nov-13	23:00	191	0.51
19-Nov-13	0:00	227	0.47
19-Nov-13	1:00	174	0.83
19-Nov-13	2:00	226	0.83
19-Nov-13	3:00	152	1.41
19-Nov-13	4:00	129	1.67
19-Nov-13	5:00	131	1.68
19-Nov-13	6:00	94	1.62
19-Nov-13	7:00	109	1.90
19-Nov-13	8:00	106	1.68
19-Nov-13	9:00	133	1.25
19-Nov-13	10:00	104	1.24
19-Nov-13	11:00	134	1.18
19-Nov-13	12:00	150	1.22
19-Nov-13	13:00	97	1.47
19-Nov-13	14:00	99	1.52
19-Nov-13	15:00	107	1.84
19-Nov-13	16:00	104	1.98
19-Nov-13	17:00	95	1.59
19-Nov-13	18:00	86	1.94
19-Nov-13	19:00	97	1.42
19-Nov-13	20:00	108	0.98
19-Nov-13	21:00	100	1.62
19-Nov-13	22:00	132	1.17
19-Nov-13	23:00	88	1.45
25-Nov-13	0:00	1	255.41
25-Nov-13	1:00	1	273.68
25-Nov-13	2:00	1	268.94
25-Nov-13	3:00	1	284.78
25-Nov-13	4:00	1	252.23
25-Nov-13	5:00	2	134.73
25-Nov-13	6:00	2	146.85
25-Nov-13	7:00	2	144.40
25-Nov-13	8:00	2	118.66
25-Nov-13	9:00	2	143.84
25-Nov-13	10:00	2	164.97
25-Nov-13	11:00	2	139.09
25-Nov-13	12:00	2	113.97
25-Nov-13	13:00	2	138.68
25-Nov-13	14:00	2	157.53
25-Nov-13	15:00	2	149.93
25-Nov-13	16:00	2	199.38
25-Nov-13	17:00	1	264.57
25-Nov-13	18:00	1	271.31
25-Nov-13	19:00	2	158.95
25-Nov-13	20:00	2	137.42

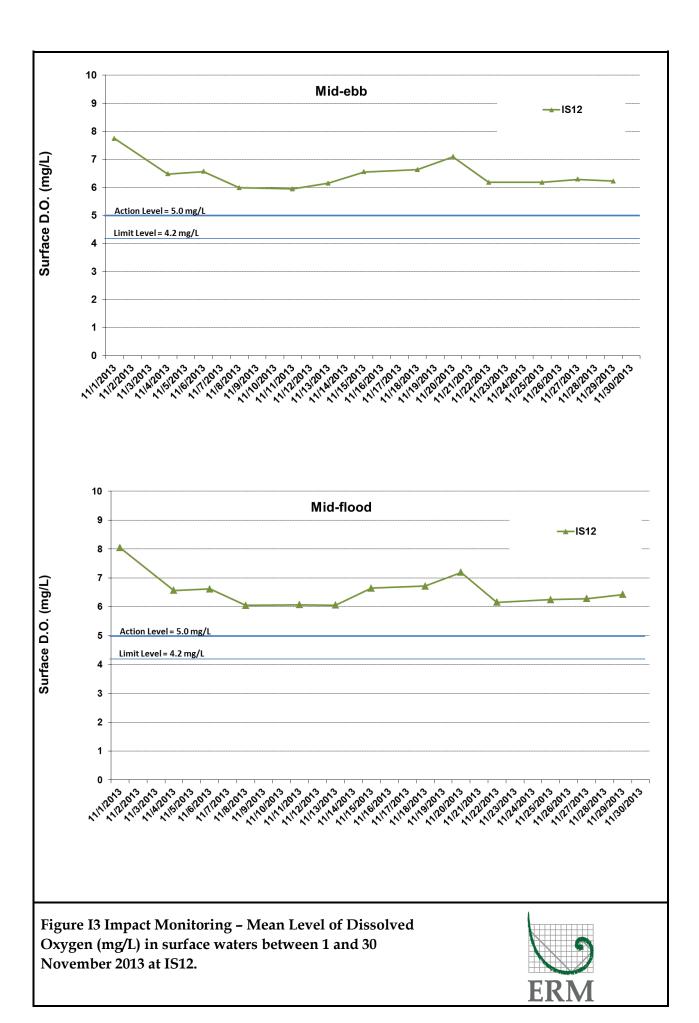
F .			
25-Nov-13	21:00		165.13
25-Nov-13	22:00	3	103.60
25-Nov-13	23:00	3	101.37
29-Nov-13	0:00	2	156.99
29-Nov-13	1:00	2	135.45
29-Nov-13	2:00	2	137.86
29-Nov-13	3:00	3	115.73
29-Nov-13	4:00	3	129.05
29-Nov-13	5:00	3	128.93
29-Nov-13		2	160.10
29-Nov-13	7:00	2	135.76
29-Nov-13	8:00	3	137.70
29-Nov-13	9:00	3	114.50
29-Nov-13	10:00	4	139.18
29-Nov-13	11:00	3	112.70
29-Nov-13	12:00	2	106.78
29-Nov-13	13:00	2	109.41
29-Nov-13	14:00	1	171.41
29-Nov-13	15:00	2	141.41
29-Nov-13	16:00	2	169.73
29-Nov-13	17:00	1	267.27
29-Nov-13	18:00	2	192.94
29-Nov-13	19:00	1	177.77
29-Nov-13		2	181.53
29-Nov-13	21:00	2	138.63
29-Nov-13		2	162.69
29-Nov-13		1	102.01
		_	

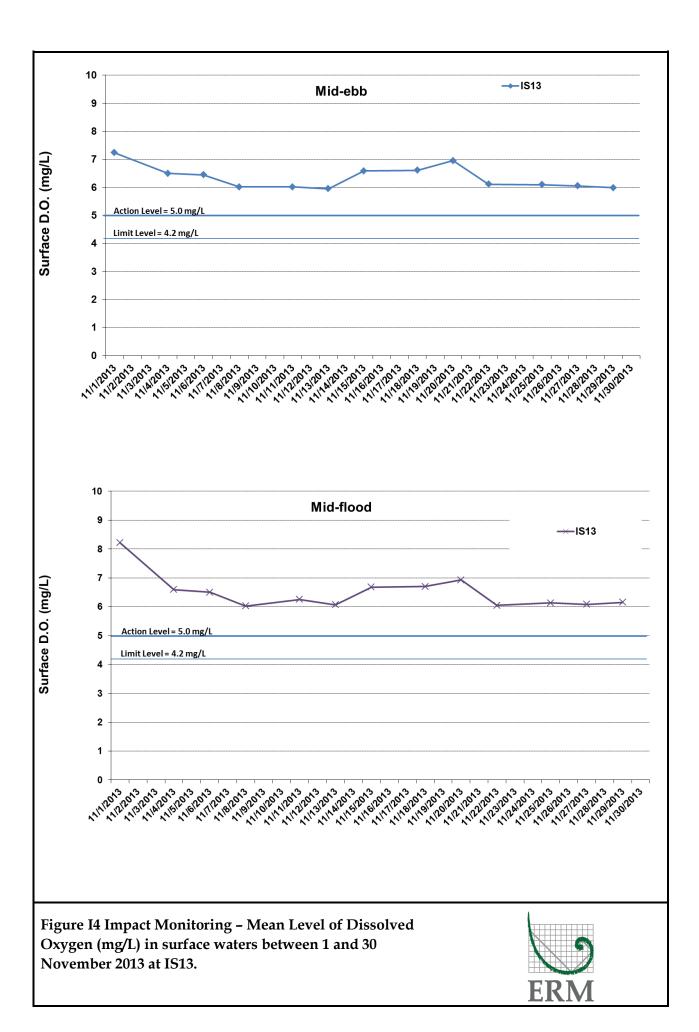
Appendix I

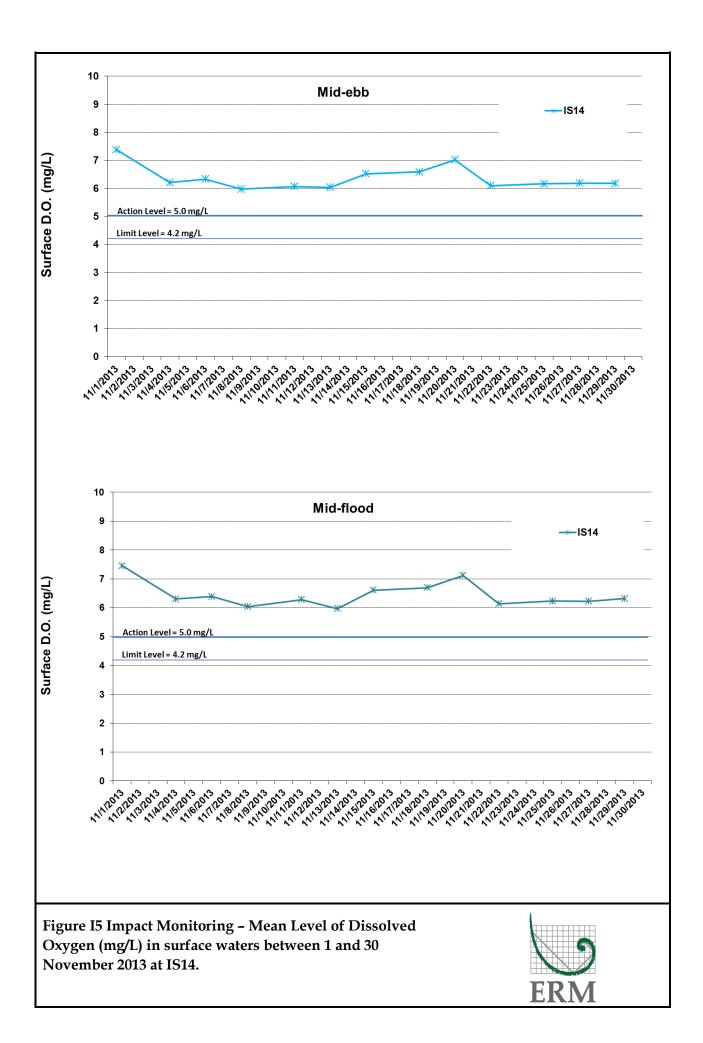
Impact Water Quality Monitoring Results

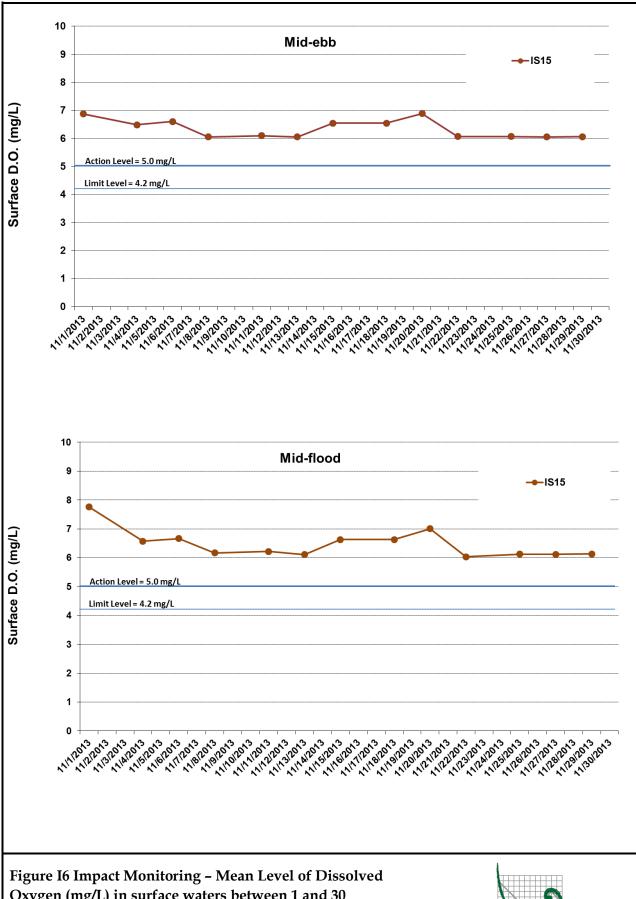






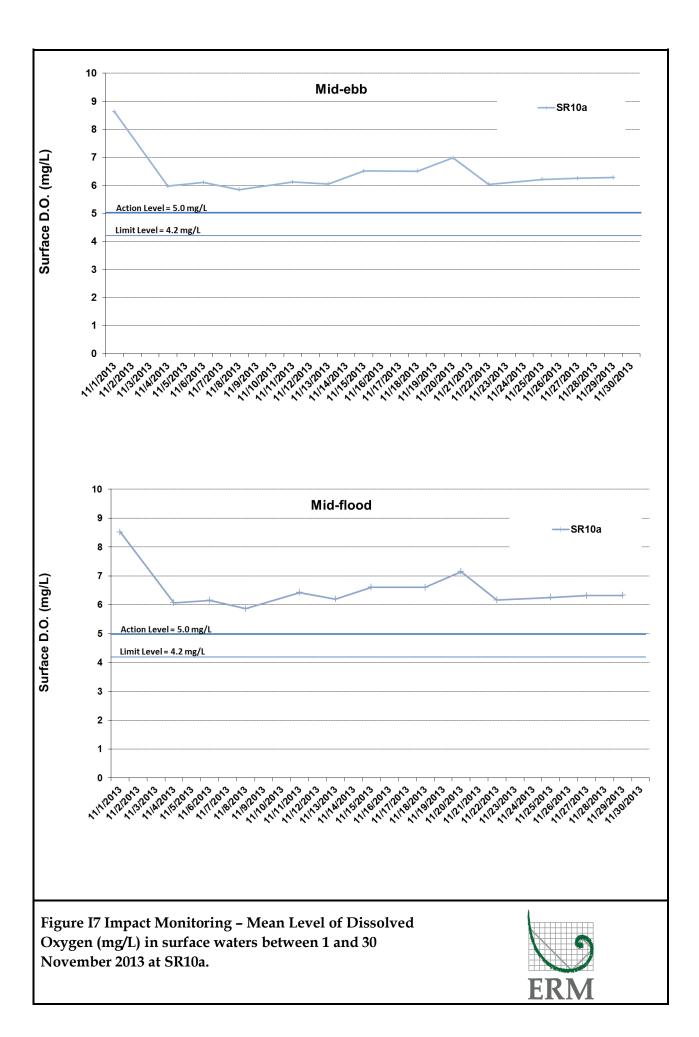


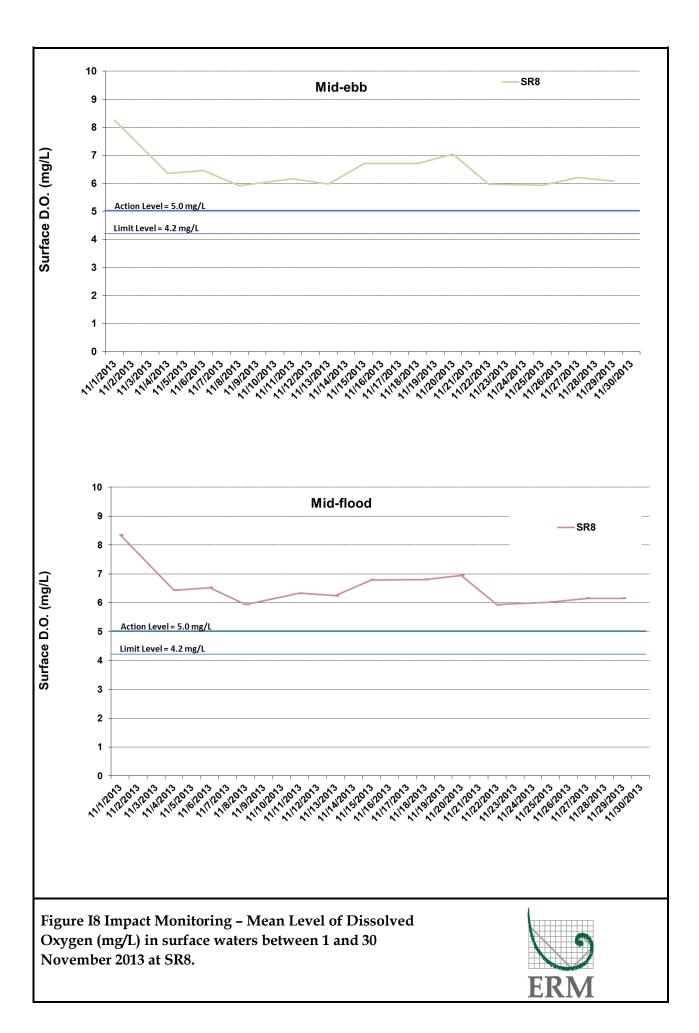


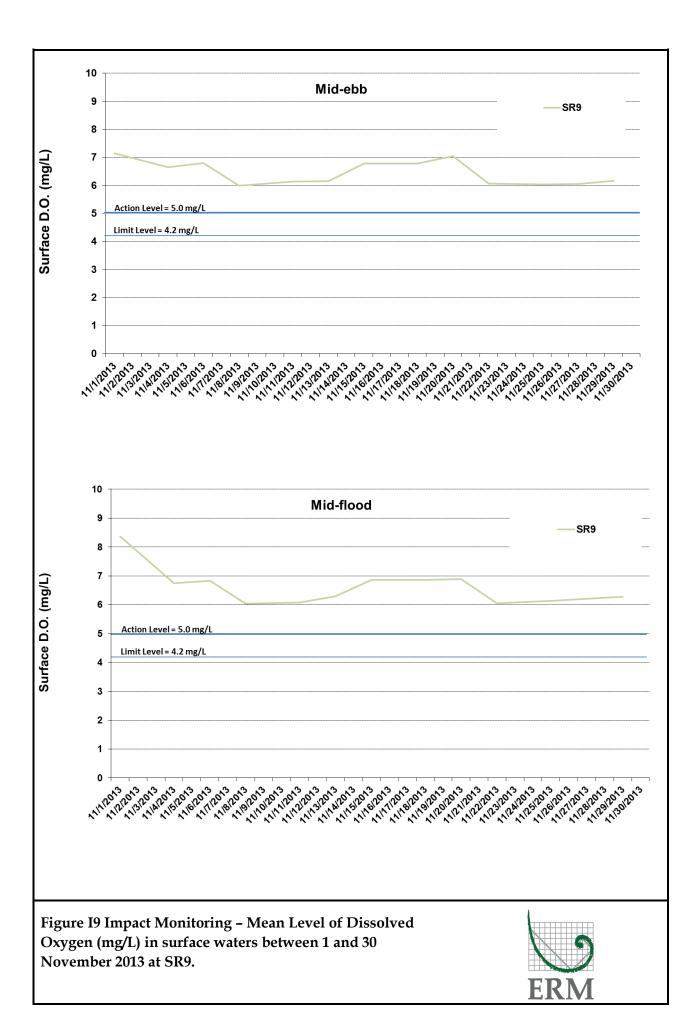


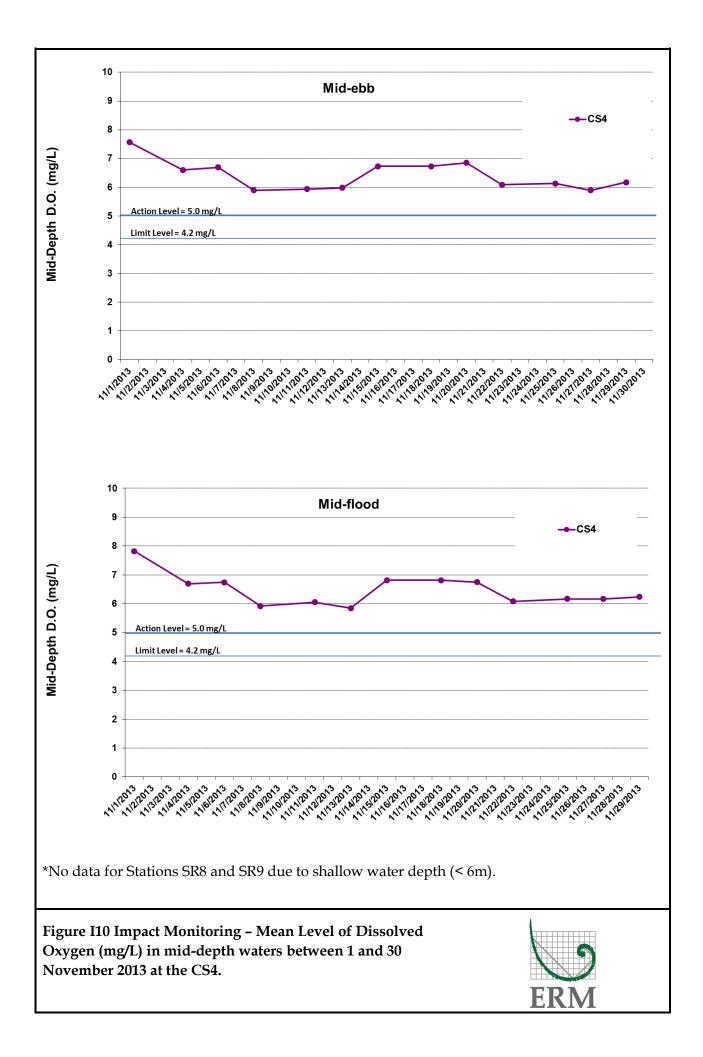
Oxygen (mg/L) in surface waters between 1 and 30 November 2013 at IS15.

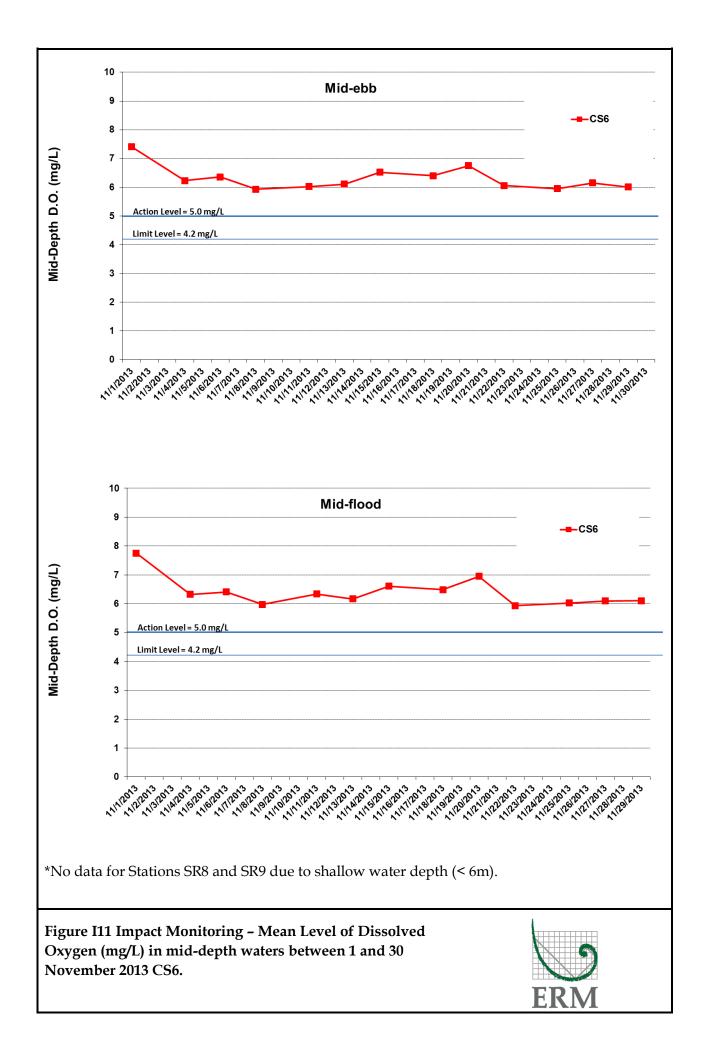


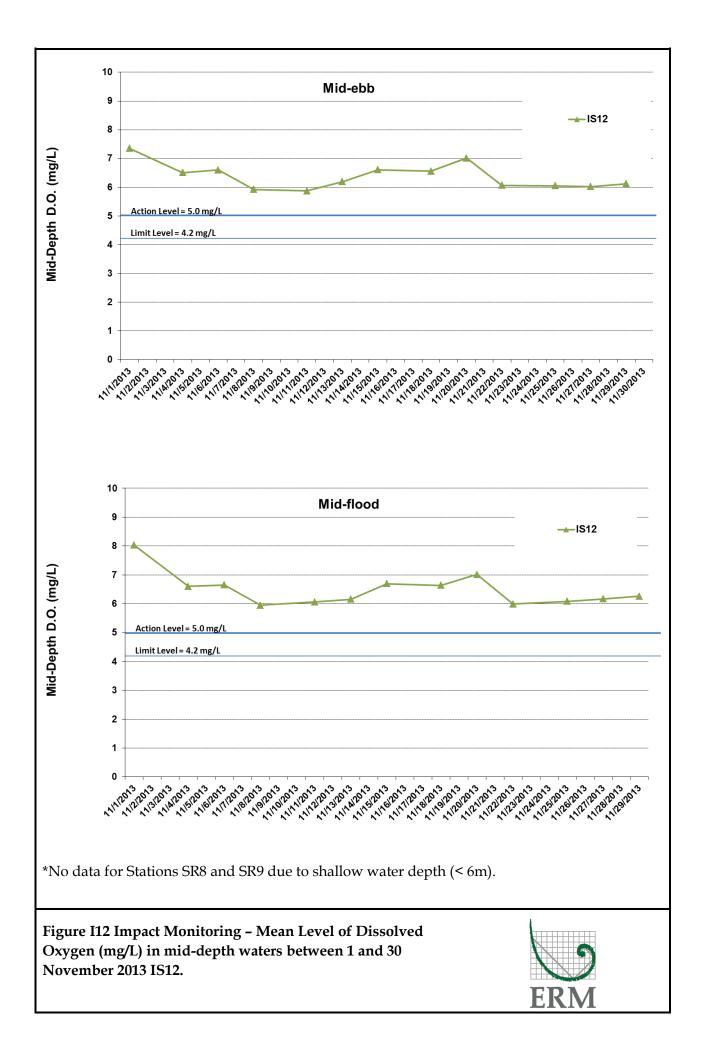


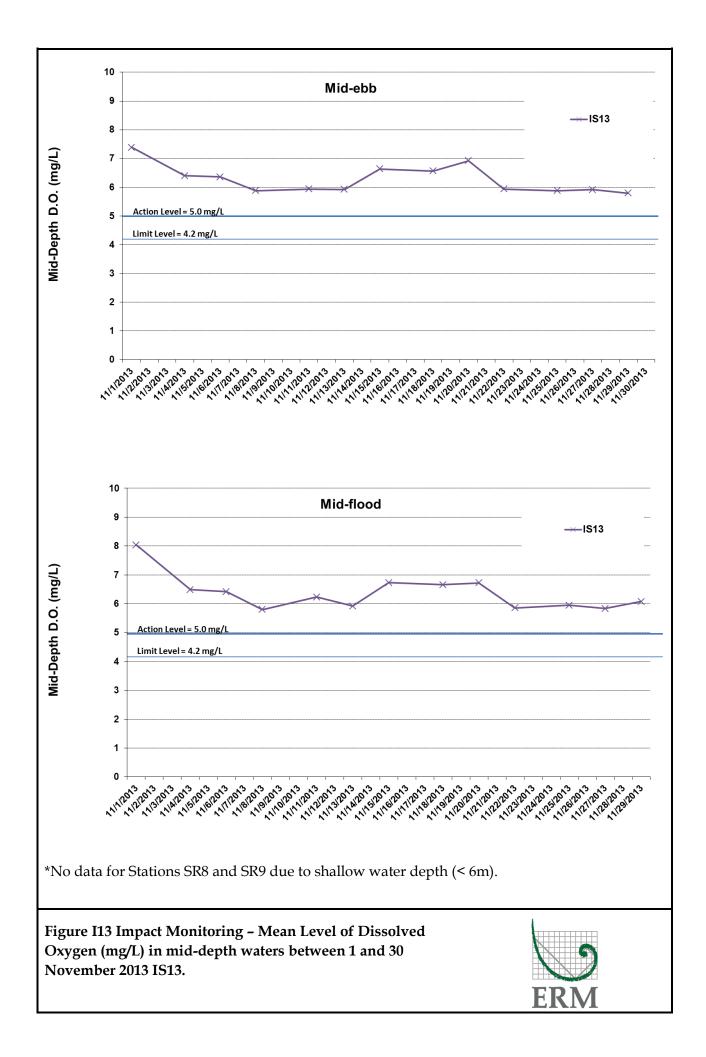


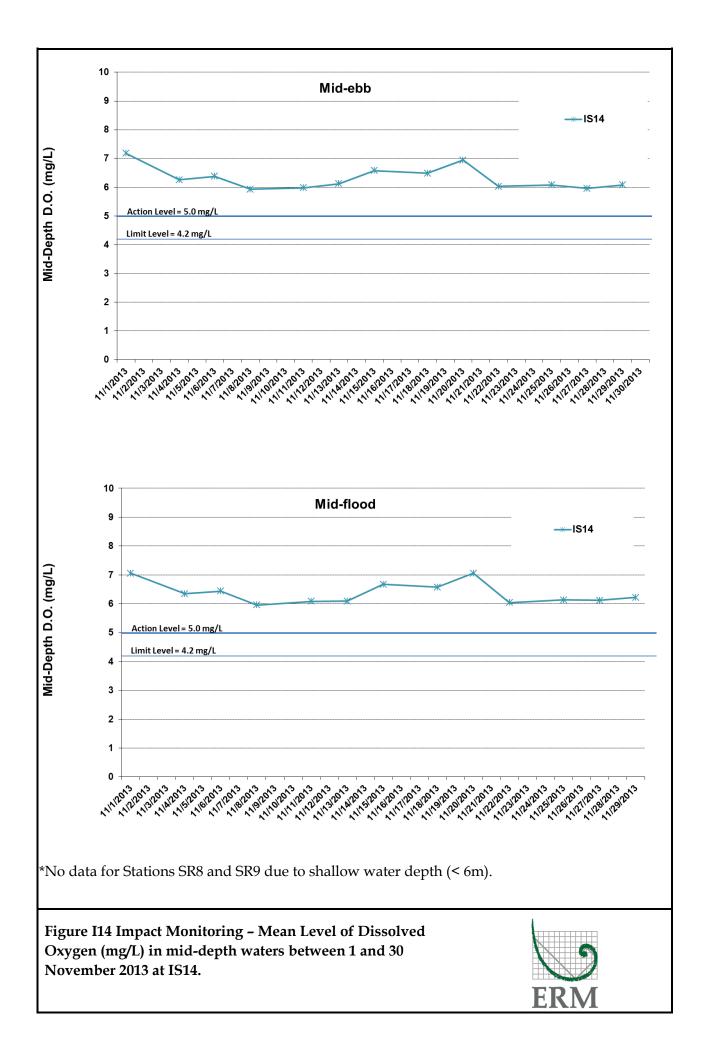


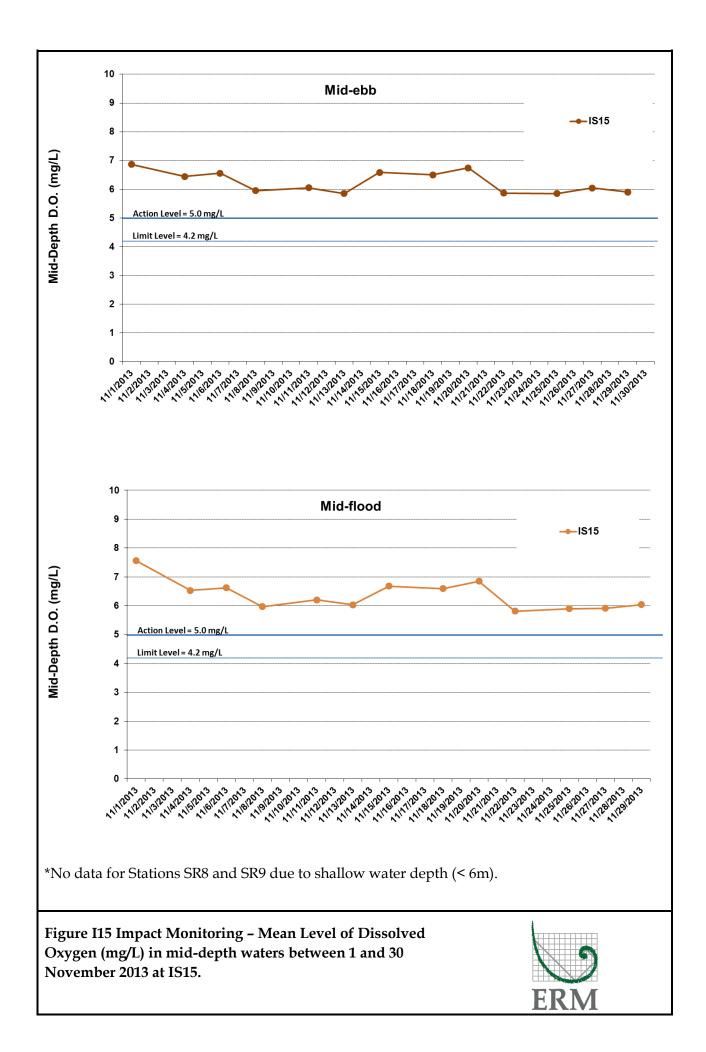


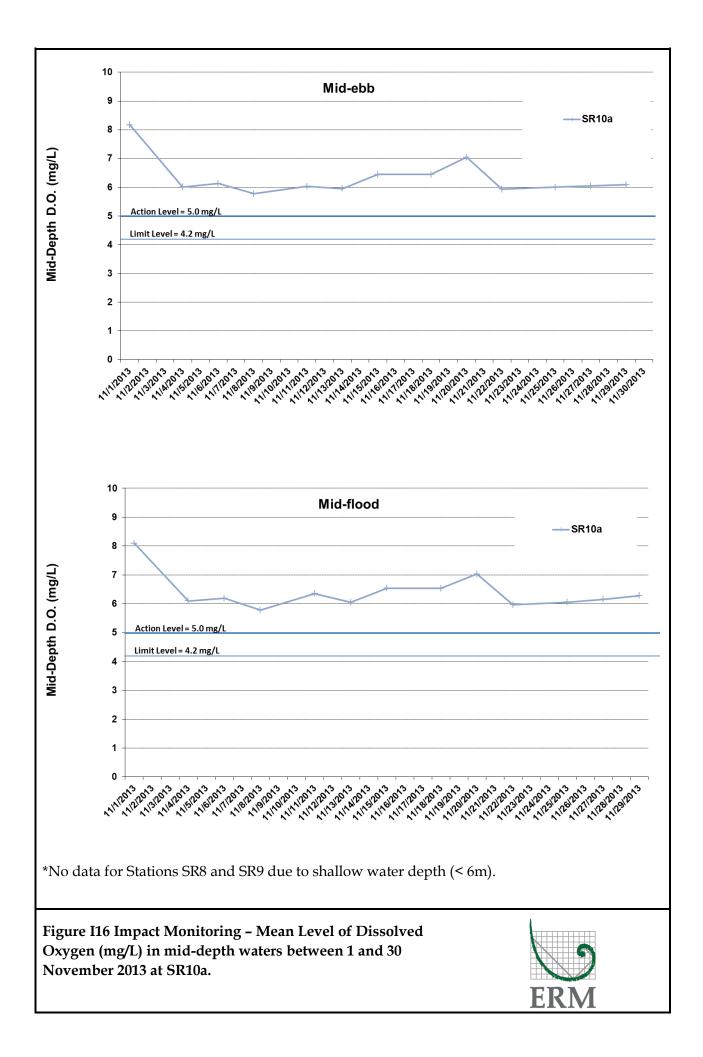












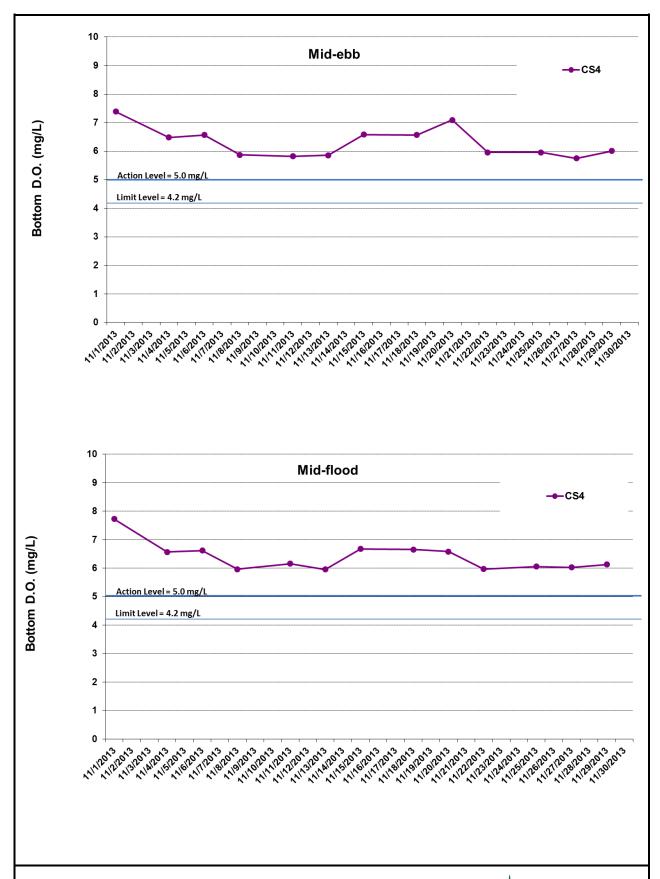


Figure I17 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 and 30 November 2013 at CS4.



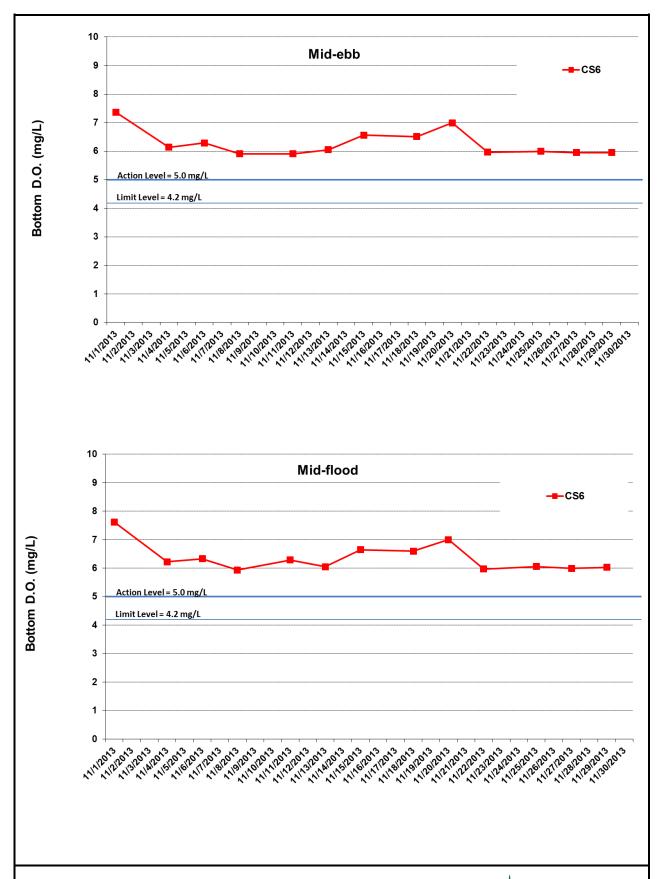


Figure I18 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 and 30 November 2013 at CS6.



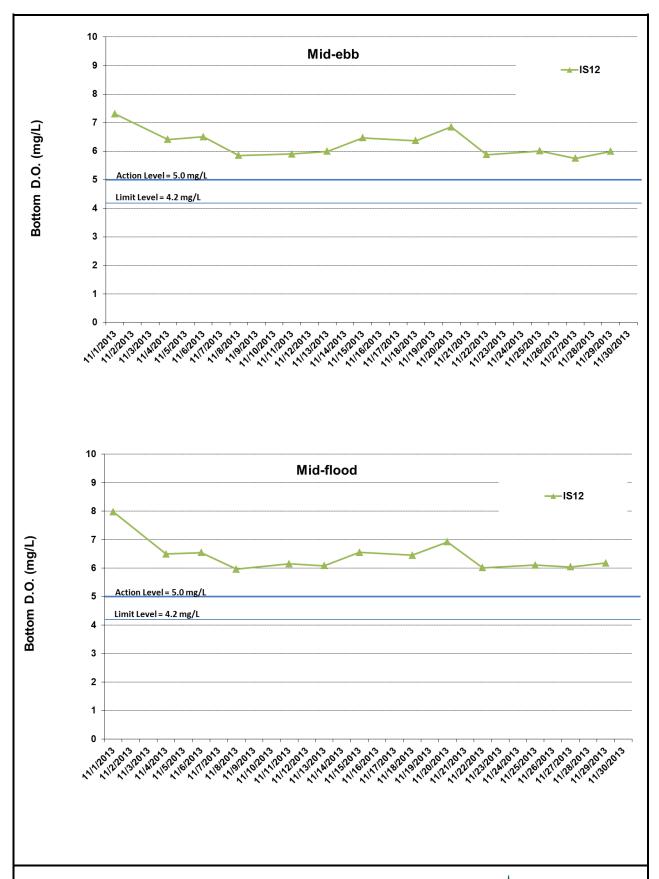


Figure I19 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 and 30 November 2013 at IS12.



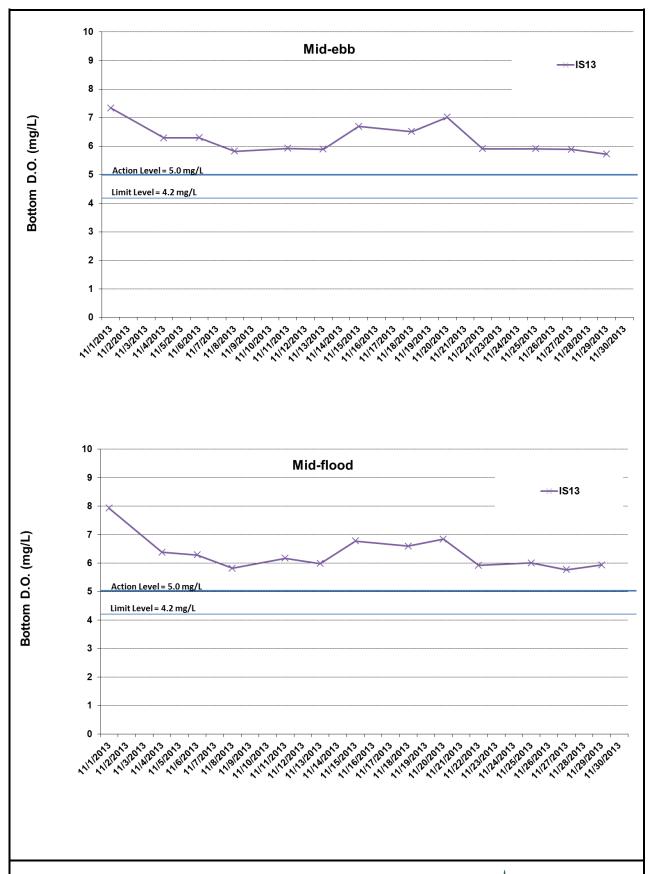


Figure I20 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 and 30 November 2013 at IS13.



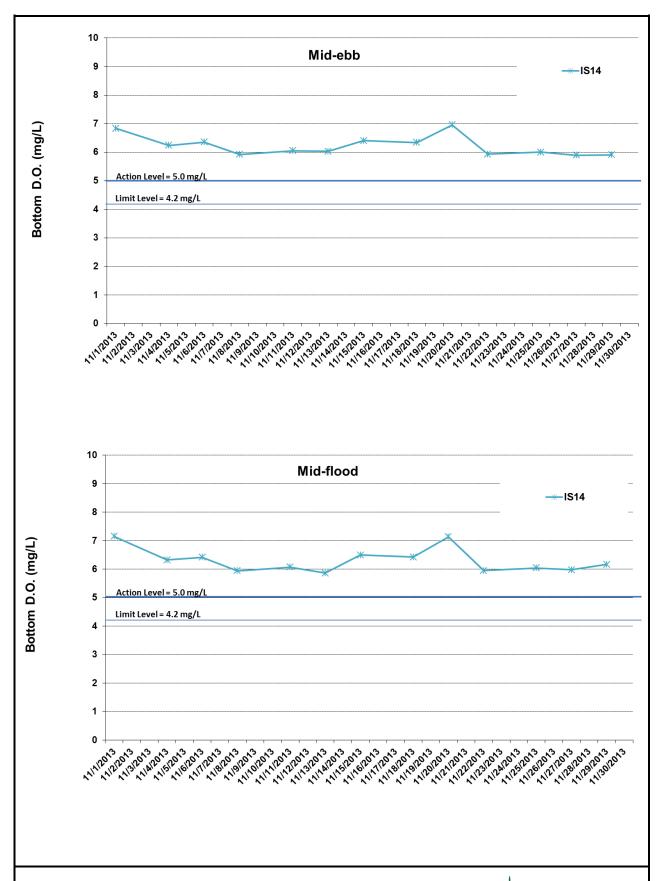


Figure I21 Impact Monitoring - Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 and 30 November 2013 at IS14.



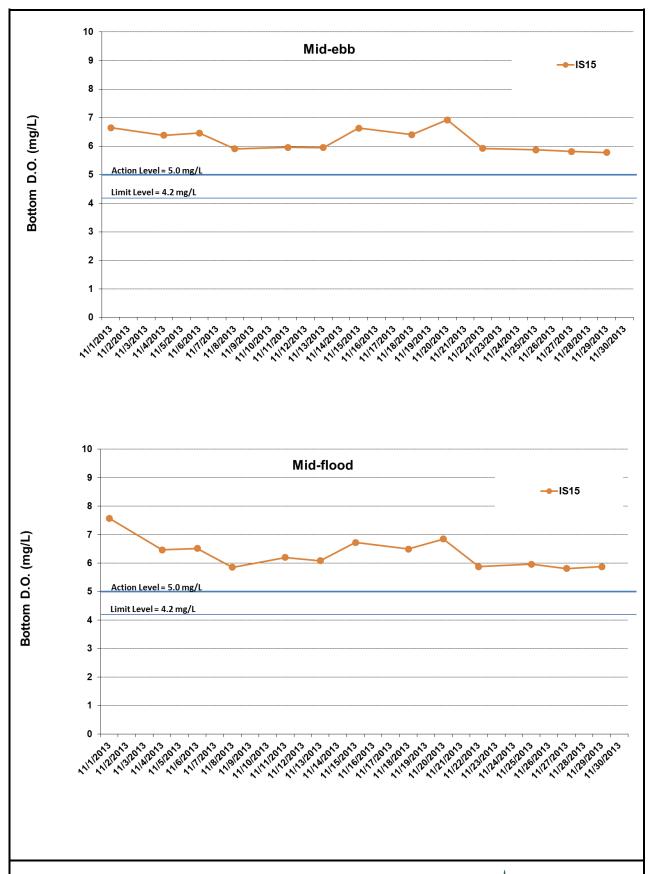


Figure I22 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 and 30 November 2013 at IS15.



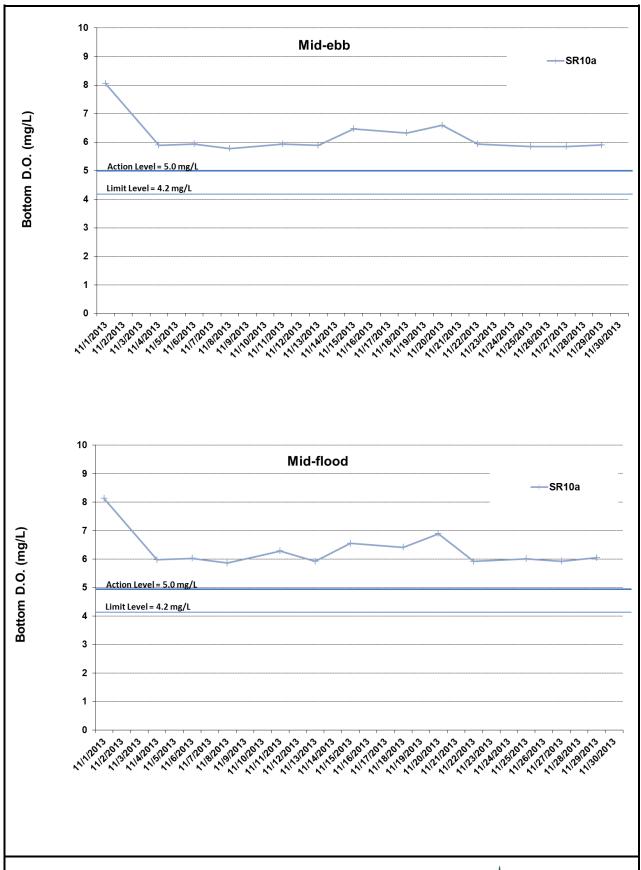


Figure I23 Impact Monitoring - Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 and 30 November 2013 at SR10a.



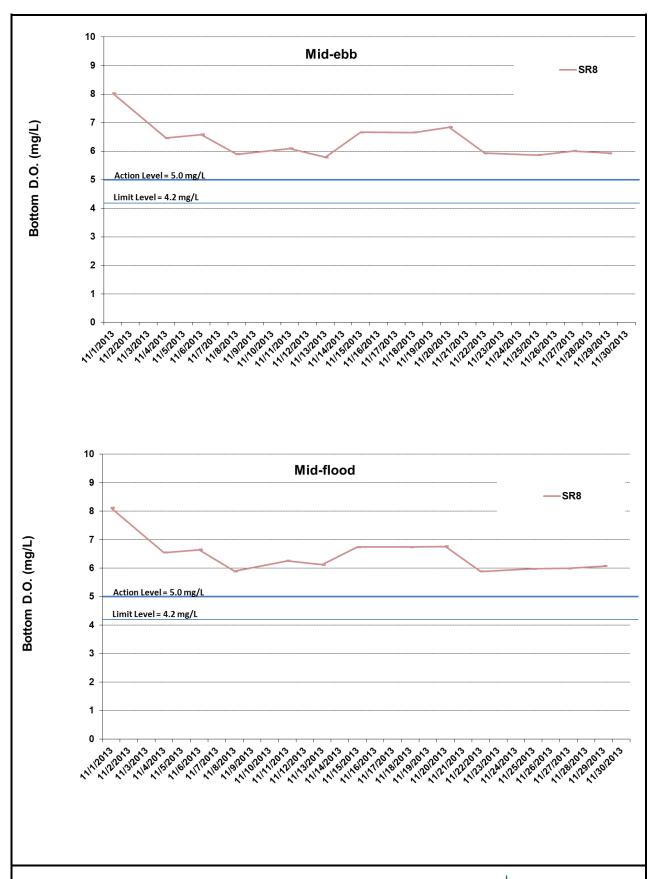


Figure I24 Impact Monitoring – Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 and 30 November 2013 at SR8.



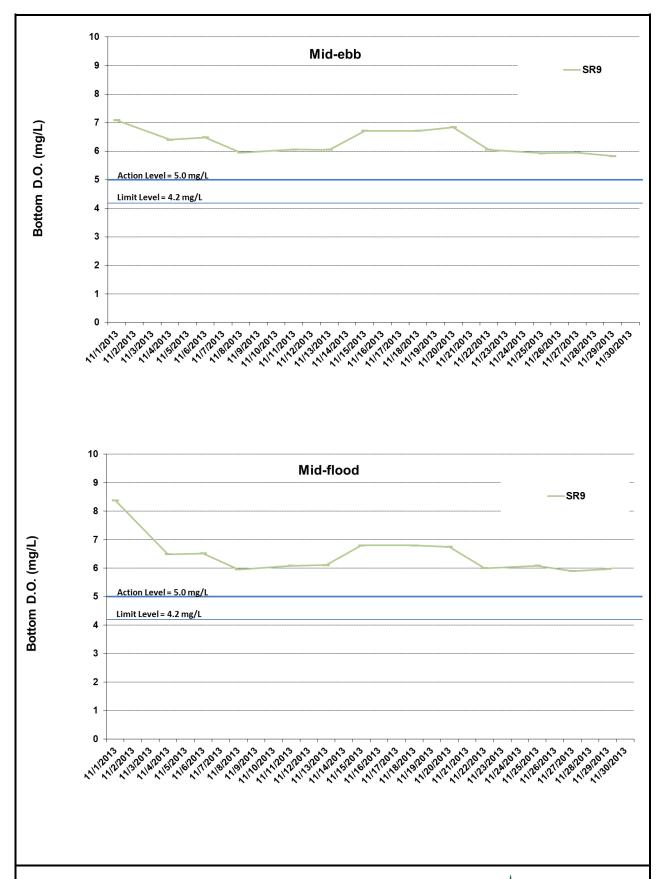
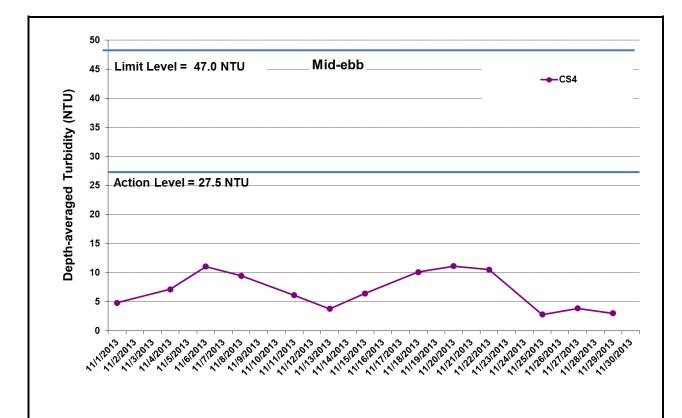


Figure I25 Impact Monitoring - Mean Level of Dissolved Oxygen (mg/L) in bottom water between 1 and 30 November 2013 at SR9.





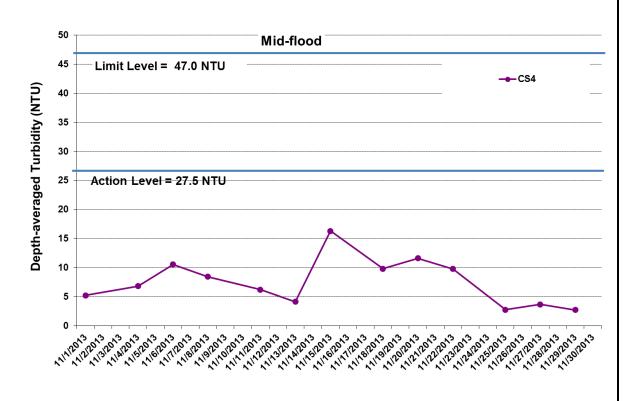


Figure I26 Impact Monitoring - Mean Depth-averaged Level of Turbidity (NTU) between 1 and 30 November 2013 at CS4.



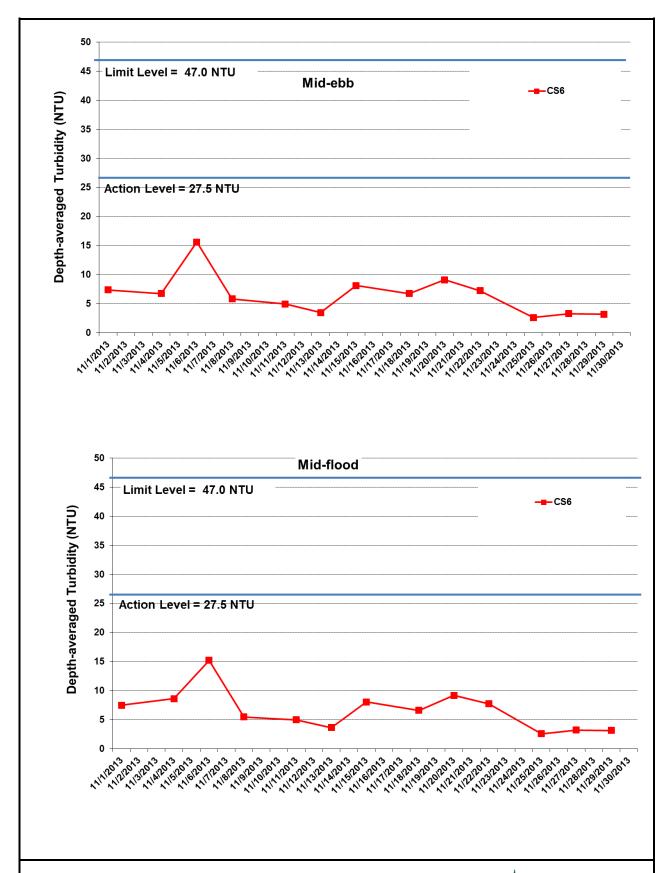
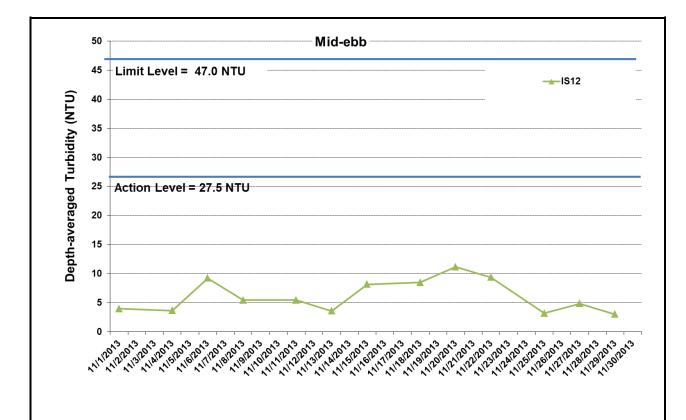


Figure I27 Impact Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 and 30 November 2013 at CS6.





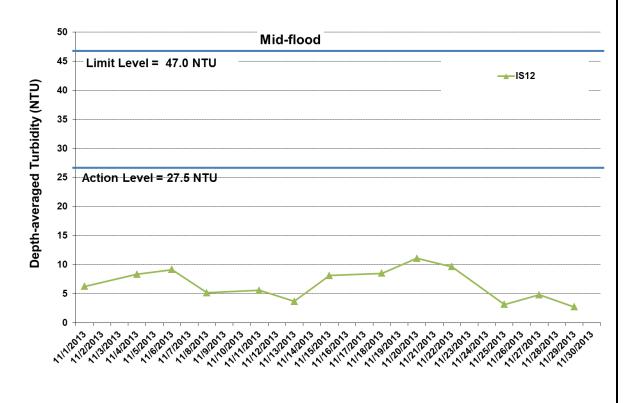
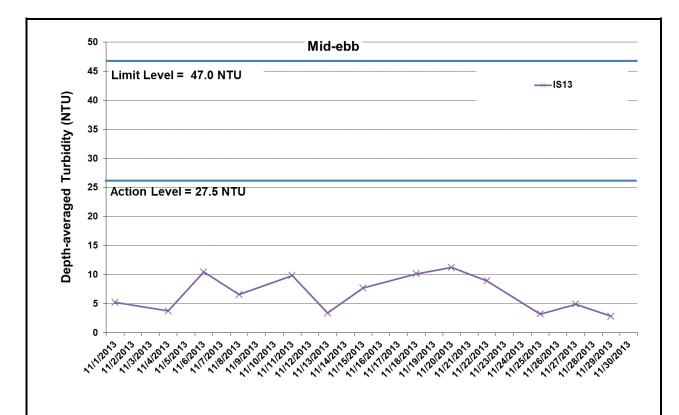


Figure I28 Impact Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 and 30 November 2013 at IS12.





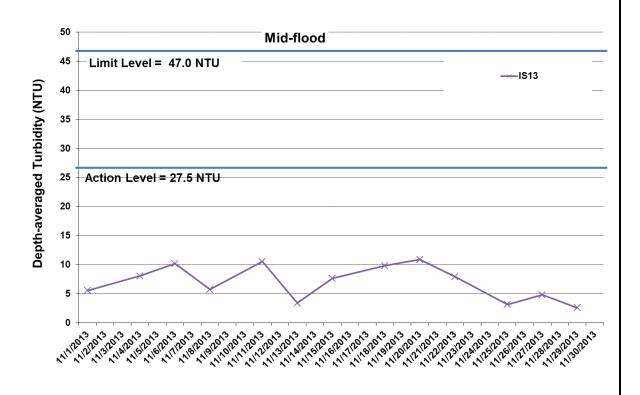
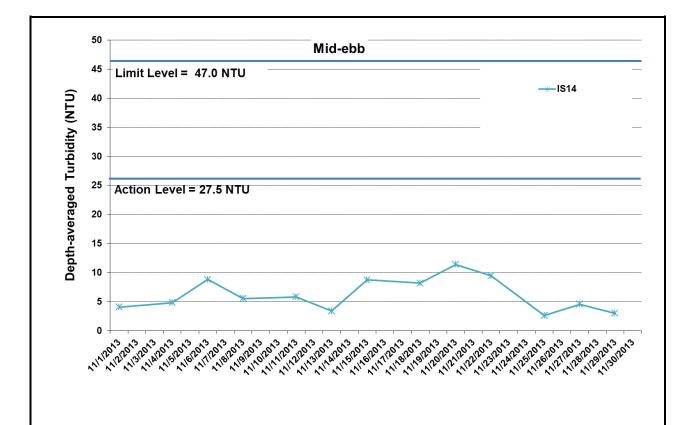


Figure I29 Impact Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 and 30 November 2013 at IS13.





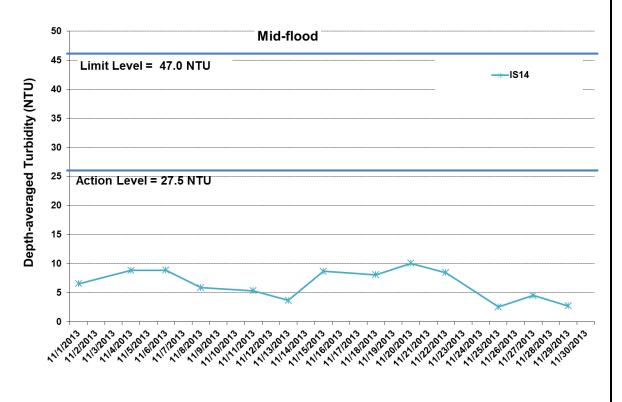
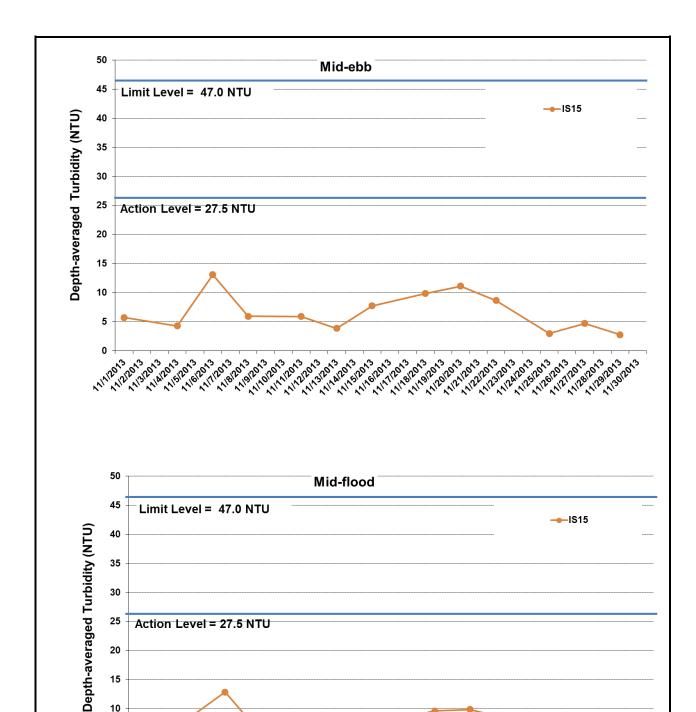


Figure I30 Impact Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 and 30 November 2013 at IS14.





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Figure I31 Impact Monitoring - Mean Depth-averaged Level of Turbidity (NTU) between 1 and 30 November 2013 at IS15.

71/1/2013 1,118/2013

1,119/2013

3,2013,2013,2013,2013,

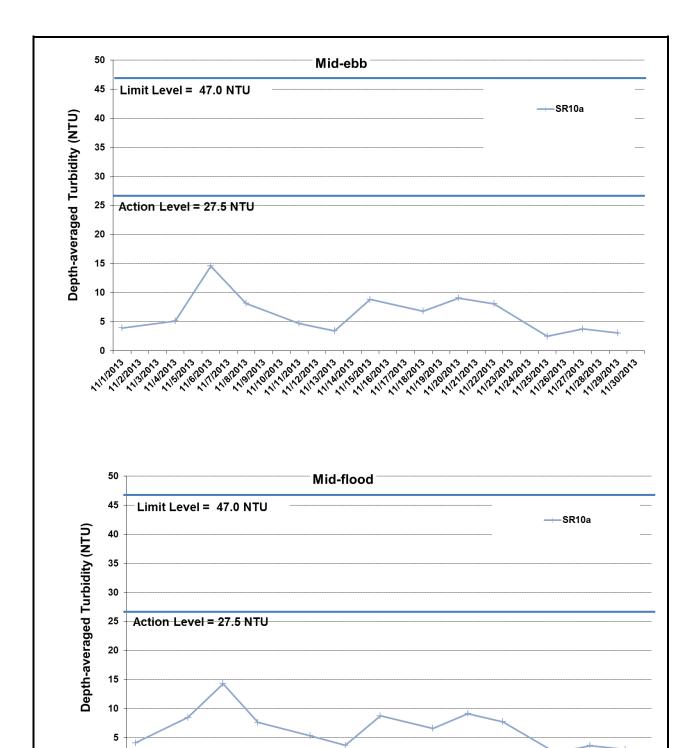
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Figure I32 Impact Monitoring - Mean Depth-averaged Level of Turbidity (NTU) between 1 and 30 November 2013 at SR10a.

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11/4/2013



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41232013 17/24/2013 Laren 13 2013 Lare 172013

10/21/3/2013 3/20/20/3

32013201320132013 52013117171182013

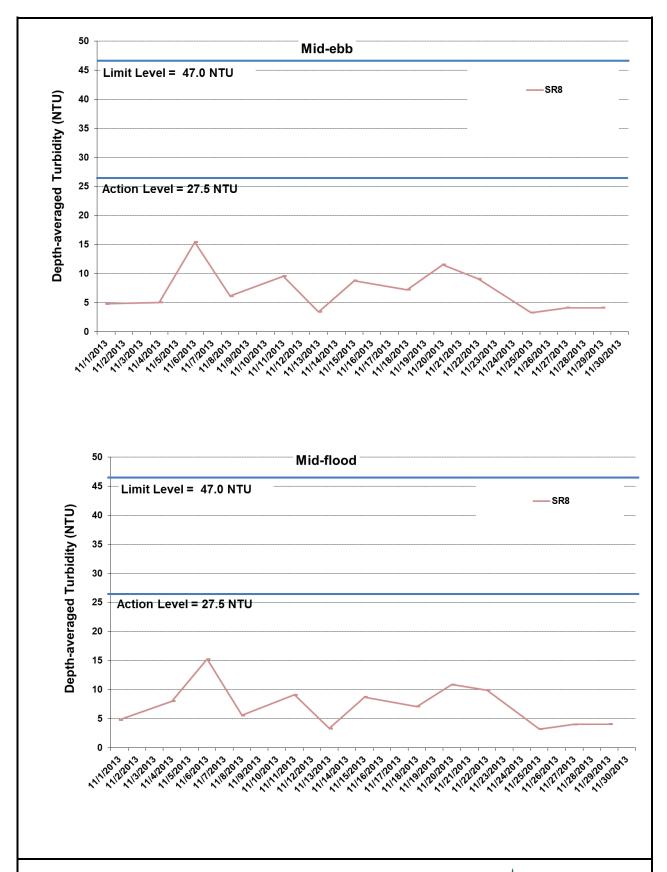


Figure I33 Impact Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 and 30 November 2013 at SR8.



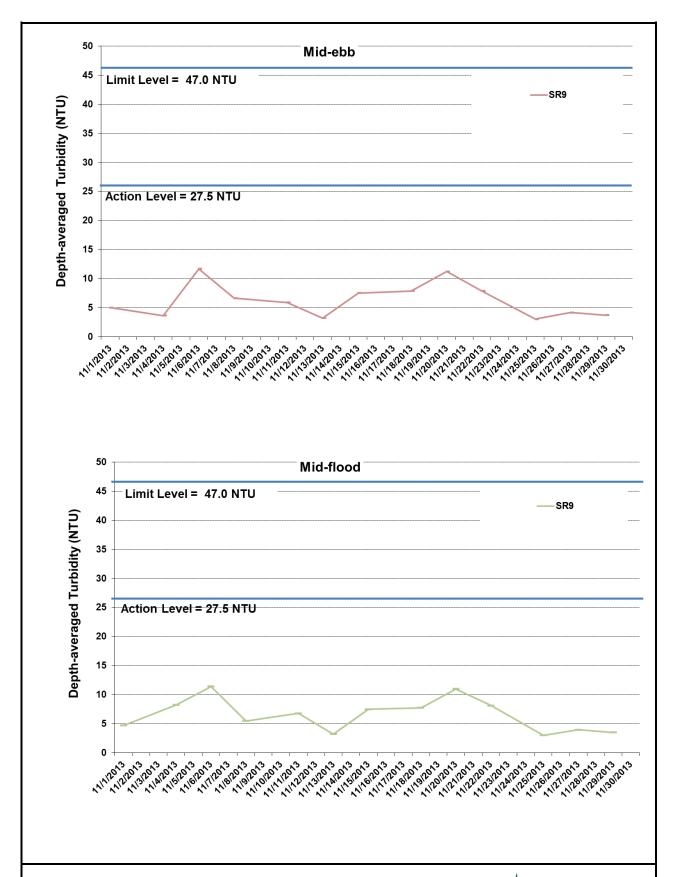


Figure I34 Impact Monitoring – Mean Depth-averaged Level of Turbidity (NTU) between 1 and 30 November 2013 at SR9.



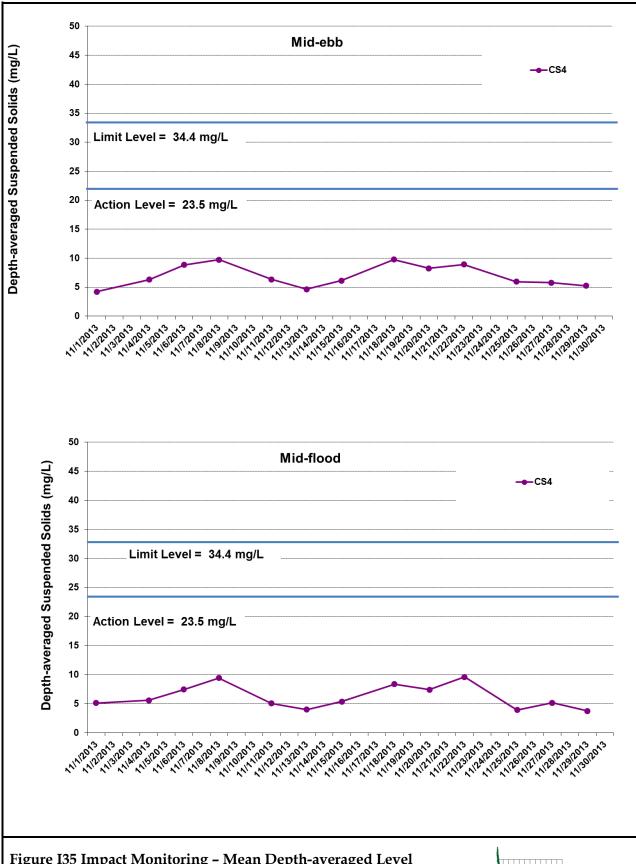


Figure I35 Impact Monitoring – Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 and 30 November 2013 at CS4.



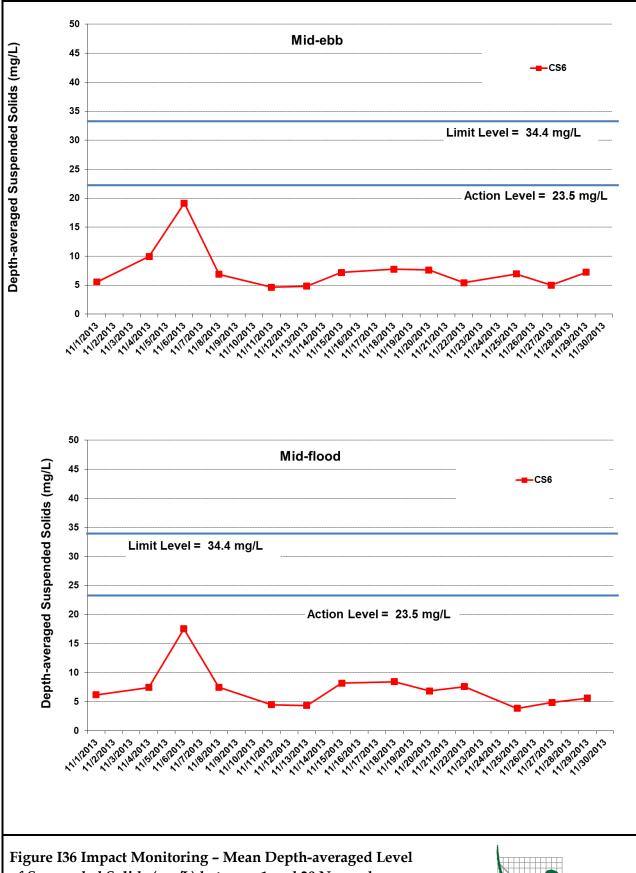


Figure I36 Impact Monitoring – Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 and 30 November 2013 at CS6.



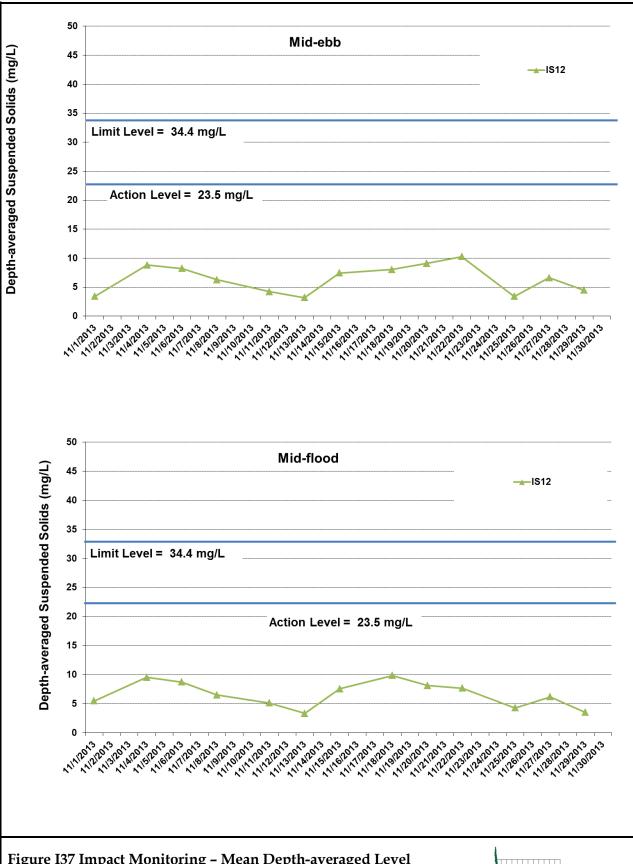


Figure I37 Impact Monitoring – Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 and 30 November 2013 at IS12.



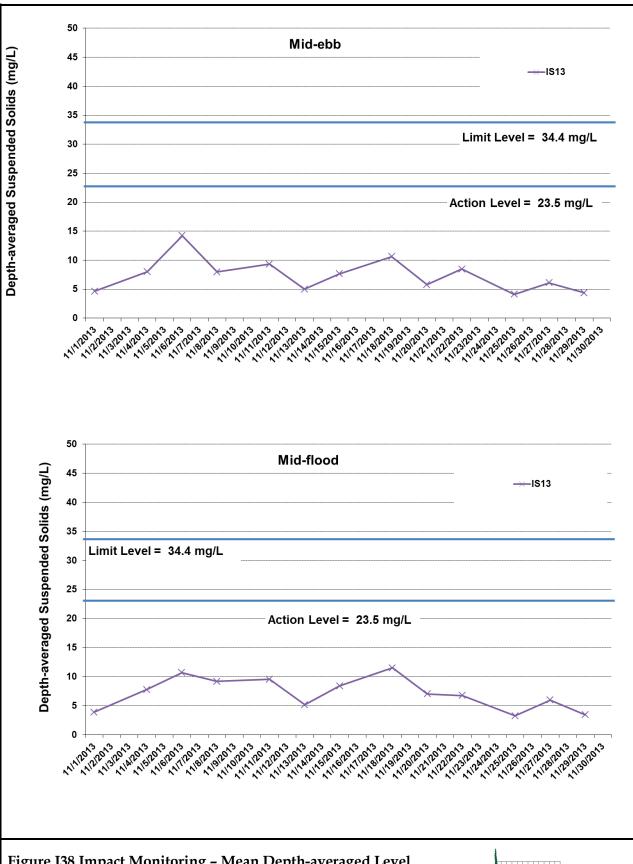
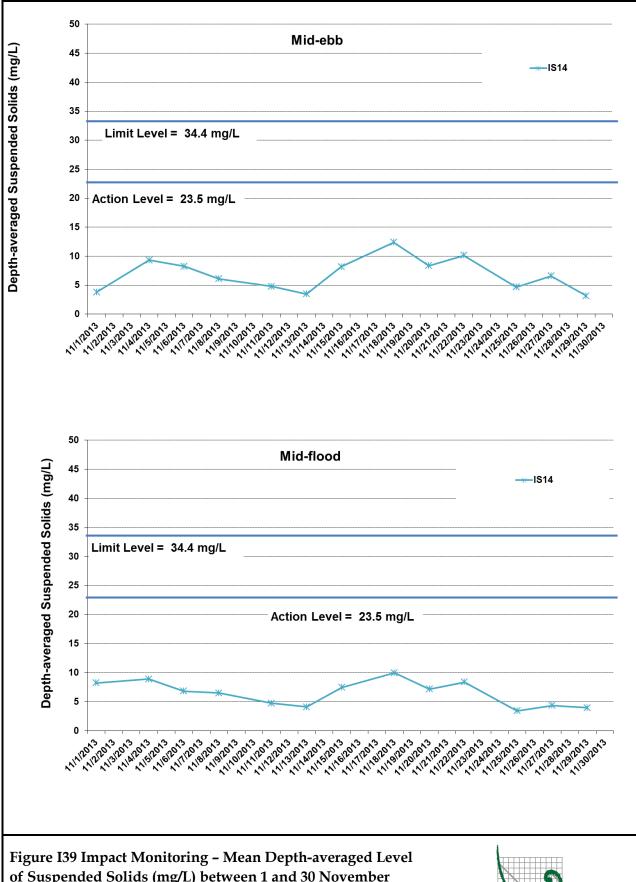


Figure I38 Impact Monitoring - Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 and 30 November 2013 at IS13.





of Suspended Solids (mg/L) between 1 and 30 November 2013 at IS14.



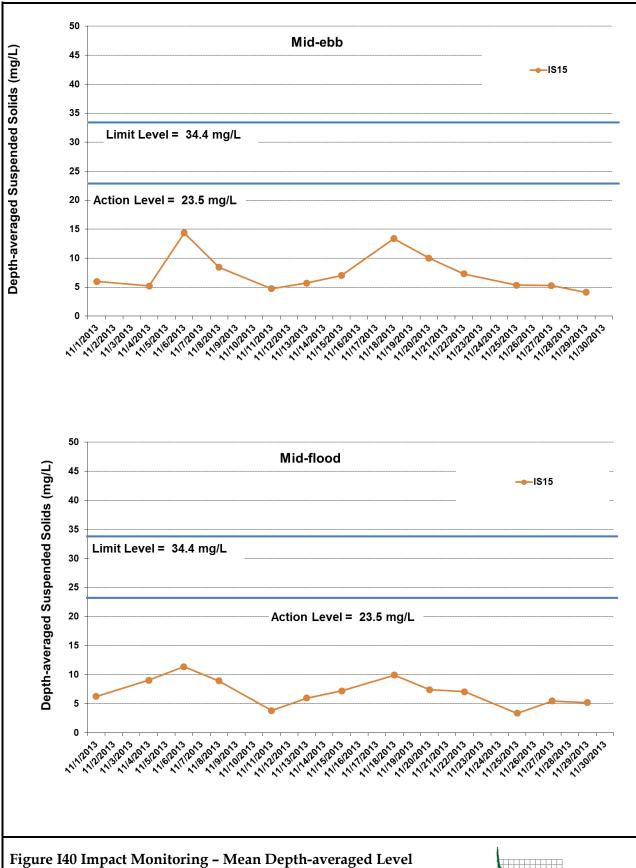


Figure I40 Impact Monitoring - Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 and 30 November 2013 at IS15.



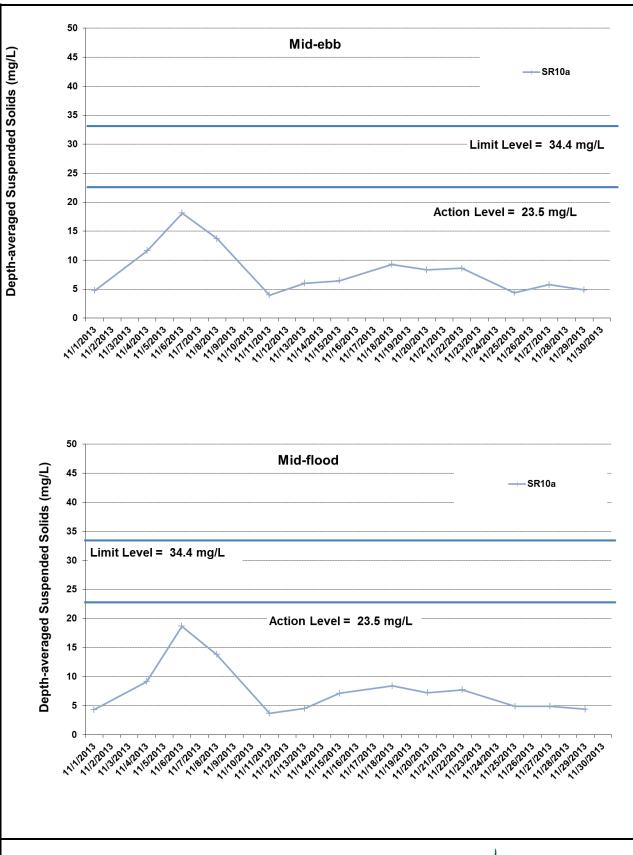
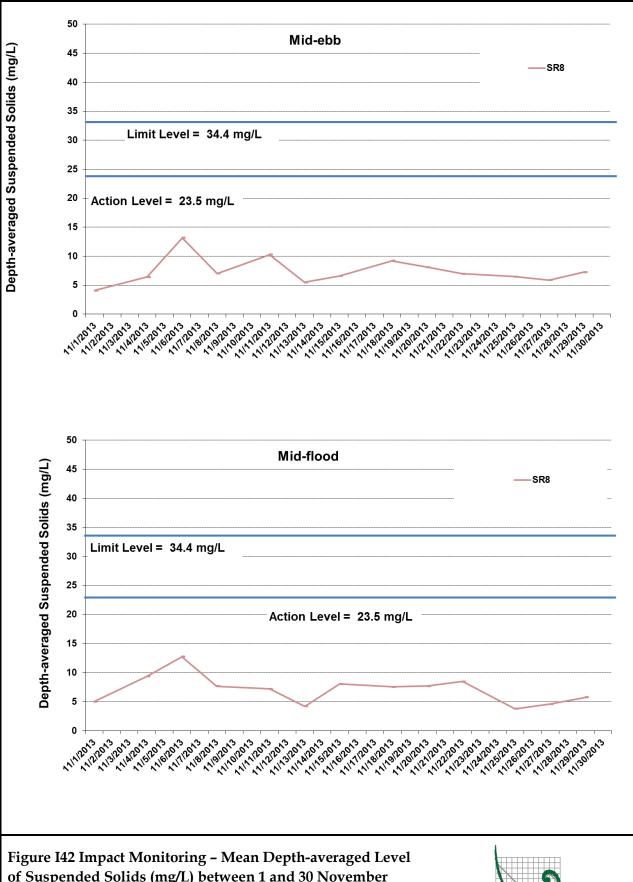


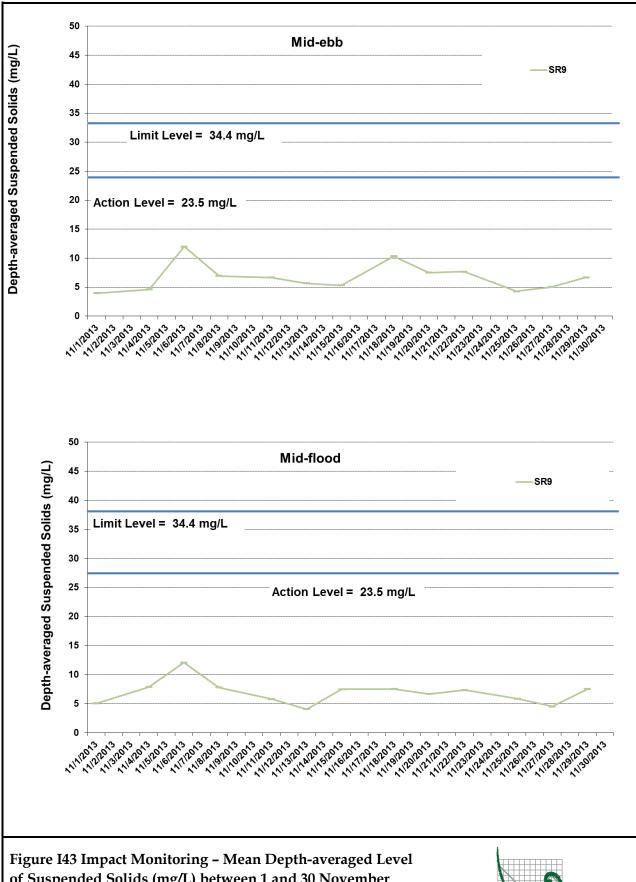
Figure I41 Impact Monitoring – Mean Depth-averaged Level of Suspended Solids (mg/L) between 1 and 30 November 2013 at SR10a.





of Suspended Solids (mg/L) between 1 and 30 November 2013 at SR8.





of Suspended Solids (mg/L) between 1 and 30 November 2013 at SR9.



Project	Works	Date (yyyy-	Tide	Stat	Level	Lev_C	Replica	Start Time	End Time	Temp_v	pH_v	Sal_v	DO_v	Turb_v	SS_v
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	CS4	Surface	1	1	18:16	18:30	26.2	7.72	23.2	8.42	4.77	5.6
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	CS4	Surface	1	2	18:16	18:30	26.1	7.71	23.3	8.43	4.79	4.5
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	CS4	Middle	2	1	18:16	18:30	26.3	7.68	23.9	7.83	5.18	6
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	CS4	Middle	2	2	18:16	18:30	26.3	7.69	23.9	7.81	5.12	4.3
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	CS4	Bottom	3	1	18:16	18:30	26.3	7.9	23.9	7.74	5.82	6
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	CS4	Bottom	3	2	18:16	18:30	26.3	7.91	23.9	7.72	5.86	4.4
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	CS6	Surface	1	1	15:32	15:47	26.1	7.75	24.8	8.4	7.72	8.4
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	CS6	Surface	1	2	15:32	15:47	26.1	7.75	24.8	8.38	7.76	6
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	CS6	Middle	2	1	15:32	15:47	25.9	7.72	25	7.74	7.24	4
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	CS6	Middle	2	2	15:32	15:47	25.9	7.72	24.9	7.76	7.28	5.9
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	CS6	Bottom	3	1	15:32	15:47	25.8	7.74	25.1	7.64	7.4	6.5
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	CS6	Bottom	3	2	15:32	15:47	25.9	7.74	25	7.6	7.48	6.4
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	IS12	Surface	1	1	18:16	18:30	25.9	7.69	24.3	8.03	4.91	3.8
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	IS12	Surface	1	2	18:16	18:30	25.9	7.68	24.4	8.05	4.93	5.5
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	IS12	Middle	2	1	18:16	18:30	25.8	7.59	24.3	8.01	6.83	6.1
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	IS12	Middle	2	2	18:16	18:30	25.8	7.6	24.3	8.04	6.82	5.9
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	IS12	Bottom	3	1	18:16	18:30	25.8	7.7	24.4	8	7.06	5.8
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	IS12	Bottom	3	2	18:16	18:30	25.7	7.71	24.4	7.96	7.1	5.9
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	IS13	Surface	1	1	17:56	18:11	26.2	7.7	24.5	8.2	4.87	3.4
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	IS13	Surface	1	2	17:56	18:11	26.1	7.71	24.5	8.22	4.88	3.3
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	IS13	Middle	2	1	17:56	18:11	26	7.73	24.6	8.01	5.08	4.6
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	IS13	Middle	2	2	17:56	18:11	26	7.73	24.6	8.06	5.12	4.3
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	IS13	Bottom	3	1	17:56	18:11	25.9	7.76	24.6	7.92	6.71	4
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	IS13	Bottom	3	2	17:56	18:11	25.9	7.76	24.7	7.94	6.75	3.7
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	IS14	Surface	1	1	18:34	18:49	26	7.7	24.9	7.42	6.62	7.6
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	IS14	Surface	1	2	18:34	18:49	26	7.7	24.9	7.48	6.66	5.7

Instruct Northern Hy/2012/08 2013-11-01 Mid-Flood IS14 Middle 2 2 18:34 18:49 26 7.77 25:1 7.09 5.97 6.2																
Min-CLK Northern HY/2012/08 2013-11-01 Mid-Flood IS14 Bottom 3 1 18:34 18:49 25.9 7.94 25.2 7.13 7.04 11.3 Min-CLK Northern HY/2012/08 2013-11-01 Mid-Flood IS15 Surface 1 1 17:36 17:51 26 7.72 25 7.75 4.82 8.1 Min-CLK Northern HY/2012/08 2013-11-01 Mid-Flood IS15 Surface 1 1 17:36 17:51 26 7.72 25 7.75 4.82 8.1 Min-CLK Northern HY/2012/08 2013-11-01 Mid-Flood IS15 Middle 2 1 17:36 17:51 25 7.71 25 7.75 5.78 5.38 Min-CLK Northern HY/2012/08 2013-11-01 Mid-Flood IS15 Middle 2 1 17:36 17:51 25.9 7.71 25 7.55 5.76 5.8 Min-CLK Northern HY/2012/08 2013-11-01 Mid-Flood IS15 Middle 2 2 17:36 17:51 25.9 7.71 25 7.55 5.76 5.8 Min-CLK Northern HY/2012/08 2013-11-01 Mid-Flood IS15 Bottom 3 1 17:36 17:51 25.9 7.71 25 7.55 5.76 5.8 Min-CLK Northern HY/2012/08 2013-11-01 Mid-Flood IS15 Bottom 3 2 17:36 17:51 25.9 7.74 25 7.55 7.55 5.76 5.8 Min-CLK Northern HY/2012/08 2013-11-01 Mid-Flood IS15 Bottom 3 2 17:36 17:51 25.9 7.74 25 7.55 7.5 5.76 5.8 Min-CLK Northern HY/2012/08 2013-11-01 Mid-Flood IS15 Bottom 3 2 17:36 17:51 25.9 7.74 25 7.55 7.5 7.1 6.2 Min-CLK Northern HY/2012/08 2013-11-01 Mid-Flood IS18 Middle 2 1 16:52 17:06 26.1 7.77 25 8.36 4.86 5.4 Min-CLK Northern HY/2012/08 2013-11-01 Mid-Flood IS18 Middle 2 2 16:52 17:06 17:06 26.1 7.71 25 8.34 4.9 6.2 Min-CLK Northern HY/2012/08 2013-11-01 Mid-Flood IS18 Bottom 3 2 16:52 17:06 17	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	IS14	Middle	2	1	18:34	18:49	26	7.78	25	7.02	5.92	7.4
Michael Mich	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	IS14	Middle	2	2	18:34	18:49	26	7.77	25.1	7.09	5.97	6.2
Mid-CLK Northern HY/2012/08 2013-11-01 Mid-Flood IS15 Surface 1 1 17:36 17:51 26 7.72 25 7.75 4.82 8.1	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	IS14	Bottom	3	1	18:34	18:49	25.9	7.94	25.2	7.13	7.04	11.3
Mid-Flood Indicate Indicate	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	IS14	Bottom	3	2	18:34	18:49	25.9	7.95	25.2	7.18	7.08	11.2
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood IS15 Middle 2 1 17:36 17:51 25.9 7.71 25 7.57 5.78 5.38 5.38 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood IS15 Middle 2 2 17:36 17:51 25.9 7.71 25 7.55 5.76 5.68 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood IS15 Bottom 3 1 17:36 17:51 25.9 7.74 25 7.6 7.15 5.98 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood IS15 Bottom 3 2 17:36 17:51 25.9 7.74 25 7.6 7.15 5.98 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood IS15 Bottom 3 2 17:36 17:51 25.9 7.74 25 7.6 7.55 7.1 6.28 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood IS16 IS1	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	IS15	Surface	1	1	17:36	17:51	26	7.72	25	7.75	4.82	8.1
Middle 2 17:36 17:51 25:9 7.71 25 7.55 5.76 5.65	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	IS15	Surface	1	2	17:36	17:51	26	7.72	25	7.76	4.8	6.5
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood IS15 Bottom 3 1 17:36 17:51 25.9 7.74 25 7.6 7.15 5.9 T.A.	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	IS15	Middle	2	1	17:36	17:51	25.9	7.71	25	7.57	5.78	5.3
Image: Color Imag	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	IS15	Middle	2	2	17:36	17:51	25.9	7.71	25	7.55	5.76	5.6
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR8 Surface 1 1 16:52 17:06 26.1 7.7 25 8.36 4.86 5.4	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	IS15	Bottom	3	1	17:36	17:51	25.9	7.74	25	7.6	7.15	5.9
The CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR8 Surface 1 2 16:52 17:06 26:1 7.71 25 8.34 4.9 6.2	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	IS15	Bottom	3	2	17:36	17:51	25.9	7.74	25.1	7.55	7.1	6.2
Fig.	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	SR8	Surface	1	1	16:52	17:06	26.1	7.7	25	8.36	4.86	5.4
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR8 Middle 2 2 16:52 17:06	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	SR8	Surface	1	2	16:52	17:06	26.1	7.71	25	8.34	4.9	6.2
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR8 Bottom 3 1 16:52 17:06 26 7.68 25.1 8.11 4.7 4.5 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR8 Bottom 3 2 16:52 17:06 26 7.68 25.1 8.13 4.79 4 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR9 Surface 1 1 17:16 17:31 26 7.76 25.1 8.4 4.58 3.6 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR9 Surface 1 2 17:16 17:31 26 7.76 25.1 8.34 4.6 3.8 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR9 Middle 2 1 17:16 17:31 26 7.76 25.1 8.34 4.6 3.8 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR9 Middle 2 1 17:16 17:31 26 7.74 25.1 8.39 4.85 6.1 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR9 Bottom 3 1 17:16 17:31 26 7.74 25.1 8.39 4.85 6.1 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR9 Bottom 3 2 17:16 17:31 25.9 7.74 25.1 8.38 4.88 6.7 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Surface 1 1 16:02 16:17 26 7.73 24.9 8.54 4.5 3.4 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Surface 1 1 16:02 16:17 25.9 7.69 25 8.08 4.04 4.6 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Middle 2 1 16:02 16:17 25.9 7.69 25 8.18 4.06 3.8 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Middle 2 1 16:02 16:17 25.9 7.69 25 8.18 4.06 3.8 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Middle 2 1 16:02 16:17 25.9 7.69 25 8.18 4.06 3.8 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Middle 2 16:02 16:17 25.9 7.69 25 8.18 4.06 3.8 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Middle 2 16:02 16:17 25.9 7.69 25 8.18 4.06 3.8 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Middle 2 16:02 16:17 25.9 7.69 25 8.18 4.06 3.8 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Middle 2 16:02 16:17 25.9 7.69 25 8.18 4.06 3.8 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Middle 2 16:02 16:17 25.9 7.69 25 8.18 4.06 3.8 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Middle 2 2 16:02 16:17 25.9 7.69 25 8.18 4.04 4.1	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	SR8	Middle	2	1	16:52	17:06						
FM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR8 Bottom 3 2 16:52 17:06 26 7.68 25.1 8.13 4.79 4 FM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR9 Surface 1 1 17:16 17:31 26 7.76 25.1 8.4 4.58 3.6 FM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR9 Surface 1 2 17:16 17:31 26 7.76 25.1 8.4 4.58 3.6 FM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR9 Middle 2 1 17:16 17:31 26 7.76 25.1 8.34 4.6 3.8 FM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR9 Middle 2 2 17:16 17:31 26 7.74 25.1 8.39 4.85 6.1 FM-CLK Northern HY/2012/08	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	SR8	Middle	2	2	16:52	17:06						
FM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR9 Surface 1 1 17:16 17:31 26 7.76 25.1 8.4 4.58 3.6 FM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR9 Surface 1 2 17:16 17:31 26 7.76 25.1 8.4 4.6 3.8 FM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR9 Middle 2 1 17:16 17:31 <td>TM-CLK Northern</td> <td>HY/2012/08</td> <td>2013-11-01</td> <td>Mid-Flood</td> <td>SR8</td> <td>Bottom</td> <td>3</td> <td>1</td> <td>16:52</td> <td>17:06</td> <td>26</td> <td>7.68</td> <td>25.1</td> <td>8.11</td> <td>4.7</td> <td>4.5</td>	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	SR8	Bottom	3	1	16:52	17:06	26	7.68	25.1	8.11	4.7	4.5
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR9 Surface 1 2 17:16 17:31 26 7.76 25.1 8.34 4.6 3.8 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR9 Middle 2 1 17:16 17:31 <td< td=""><td>TM-CLK Northern</td><td>HY/2012/08</td><td>2013-11-01</td><td>Mid-Flood</td><td>SR8</td><td>Bottom</td><td>3</td><td>2</td><td>16:52</td><td>17:06</td><td>26</td><td>7.68</td><td>25.1</td><td>8.13</td><td>4.79</td><td>4</td></td<>	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	SR8	Bottom	3	2	16:52	17:06	26	7.68	25.1	8.13	4.79	4
FM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR9 Middle 2 1 17:16 17:31	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	SR9	Surface	1	1	17:16	17:31	26	7.76	25.1	8.4	4.58	3.6
FM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR9 Middle 2 2 17:16 17:31 26 7.74 25.1 8.39 4.85 6.1 FM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR9 Bottom 3 2 17:16 17:31 26 7.74 25.1 8.39 4.85 6.1 FM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR9 Bottom 3 2 17:16 17:31 25.9 7.74 25.1 8.38 4.88 6.7 FM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Surface 1 1 16:02 16:17 26 7.73 24.9 8.5 4.47 4.2 FM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Middle 2 1 16:02 16:17 25.9 7.69 25 8.08 4.04 4.6 FM-CLK Northern HY/2012/08	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	SR9	Surface	1	2	17:16	17:31	26	7.76	25.1	8.34	4.6	3.8
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR9 Bottom 3 1 17:16 17:31 26 7.74 25.1 8.39 4.85 6.1 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR9 Bottom 3 2 17:16 17:31 25.9 7.74 25.1 8.38 4.88 6.7 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Surface 1 1 16:02 16:17 26 7.73 24.9 8.54 4.5 3.4 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Surface 1 2 16:02 16:17 26.1 7.73 24.9 8.5 4.47 4.2 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Middle 2 1 16:02 16:17 25.9 7.69 25 8.08 4.04 4.6 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Middle 2 1 16:02 16:17 25.9 7.69 25 8.1 4.06 3.8 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Bottom 3 1 16:02 16:17 25.9 7.69 25 8.12 3.84 4.1	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	SR9	Middle	2	1	17:16	17:31						
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR9 Bottom 3 2 17:16 17:31 25.9 7.74 25.1 8.38 4.88 6.7 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Surface 1 1 16:02 16:17 26 7.73 24.9 8.54 4.5 3.4 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Surface 1 2 16:02 16:17 26.1 7.73 24.9 8.5 4.47 4.2 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Middle 2 1 16:02 16:17 25.9 7.69 25 8.08 4.04 4.6 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Middle 2 1 16:02 16:17 25.9 7.69 25 8.1 4.06 3.8 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Bottom 3 1 16:02 16:17 25.9 7.6 25 8.12 3.84 4.1	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	SR9	Middle	2	2	17:16	17:31						
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Surface 1 1 16:02 16:17 26 7.73 24.9 8.54 4.5 3.4 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Surface 1 2 16:02 16:17 26.1 7.73 24.9 8.5 4.47 4.2 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Middle 2 1 16:02 16:17 25.9 7.69 25 8.08 4.04 4.6 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Middle 2 1 16:02 16:17 25.9 7.69 25 8.1 4.06 3.8 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Bottom 3 1 16:02 16:17 25.9 7.6 25 8.12 3.84 4.1	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	SR9	Bottom	3	1	17:16	17:31	26	7.74	25.1	8.39	4.85	6.1
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Surface 1 2 16:02 16:17 26.1 7.73 24.9 8.5 4.47 4.2 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Middle 2 1 16:02 16:17 25.9 7.69 25 8.08 4.04 4.6 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Middle 2 2 16:02 16:17 25.9 7.69 25 8.1 4.06 3.8 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Bottom 3 1 16:02 16:17 25.9 7.6 25 8.12 3.84 4.1	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	SR9	Bottom	3	2	17:16	17:31	25.9	7.74	25.1	8.38	4.88	6.7
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Middle 2 1 16:02 16:17 25.9 7.69 25 8.08 4.04 4.6 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Middle 2 2 16:02 16:17 25.9 7.69 25 8.1 4.06 3.8 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Bottom 3 1 16:02 16:17 25.9 7.6 25 8.12 3.84 4.1	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	SR10a	Surface	1	1	16:02	16:17	26	7.73	24.9	8.54	4.5	3.4
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Middle 2 2 16:02 16:17 25.9 7.69 25 8.1 4.06 3.8 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Bottom 3 1 16:02 16:17 25.9 7.6 25 8.12 3.84 4.1	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	SR10a	Surface	1	2	16:02	16:17	26.1	7.73	24.9	8.5	4.47	4.2
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Bottom 3 1 16:02 16:17 25.9 7.6 25 8.12 3.84 4.1	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	SR10a	Middle	2	1	16:02	16:17	25.9	7.69	25	8.08	4.04	4.6
	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	SR10a	Middle	2	2	16:02	16:17	25.9	7.69	25	8.1	4.06	3.8
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Flood SR10a Bottom 3 2 16:02 16:17 25.9 7.6 25 8.14 3.8 5.8	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	SR10a	Bottom	3	1	16:02	16:17	25.9	7.6	25	8.12	3.84	4.1
	TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Flood	SR10a	Bottom	3	2	16:02	16:17	25.9	7.6	25	8.14	3.8	5.8

TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS4 Surface 1 1 09:30 09:47 25.4 7.48 23 8.29 4.04 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS4 Surface 1 2 09:30 09:47 25.4 7.47 23 8.25 4.09 4 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS4 Middle 2 1 09:30 09:47 25.6 7.52 24.6 7.55 4.49 5 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS4 Middle 2 2 09:30 09:47 25.6 7.52 24.6 7.55 4.49 5 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS4 Middle 2 2 09:30 09:47 25.6 7.51 24.5 7.58 4.56 5 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS4 Bottom 3 1 09:30 09:47 25.6 7.5 24.8 7.4 5.89 4 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS4 Bottom 3 2 09:30 09:47 25.6 7.5 24.8 7.4 5.89 4 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Surface 1 1 11:55 12:10 26 7.75 24.8 7.4 5.89 5 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Surface 1 1 11:55 12:10 26 7.74 24.8 8.45 7.64 5 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Middle 2 1 11:55 12:10 26 7.74 24.8 8.45 7.64 5 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Middle 2 1 11:55 12:10 25.7 7.75 25.2 7.39 7.12 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Middle 2 2 1 11:55 12:10 25.7 7.75 25.2 7.39 7.12 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Bottom 3 1 11:55 12:10 25.7 7.77 25.2 7.35 7.39 5 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Bottom 3 1 11:55 12:10 25.7 7.77 25.1 7.38 7.36 5 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Bottom 3 2 11:55 12:10 25.7 7.77 25.1 7.38 7.36 5 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb LS12 Surface 1 1 10:12 10:27 25.6 7.6 24.8 7.76 4.38 1 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb LS12 Surface 1 1 10:12 10:27 25.6 7.6 24.9 7.34 3.34 1 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb LS12 Surface 1 1 10:12 10:27 25.6 7.6 24.9 7.34 3.34 1 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb LS12 Surface 1 1 10:12 10:27 25.6 7.6 24.9 7.34 3.34 1 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb LS12 Surface 1 1 10:12 10:27 25.6 7.6 24.9 7.34 3.34 1 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb LS12 Sur
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS4 Middle 2 1 09:30 09:47 25.6 7.52 24.6 7.55 4.49 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS4 Middle 2 2 2 09:30 09:47 25.6 7.51 24.5 7.58 4.56 5 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS4 Bottom 3 1 09:30 09:47 25.6 7.5 24.8 7.4 5.89 4 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Bottom 3 2 09:30 09:47 25.6 7.5 24.8 7.37 5.85 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Surface 1 1 11:55 12:10 26 7.73 24.9 8.42 7.68 4 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Surface 1 2 11:55 12:10 26 7.74 24.8 8.45 7.64 5 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Middle 2 1 11:55 12:10 25.7 7.75 25.2 7.42 7.17 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Middle 2 1 11:55 12:10 25.7 7.75 25.2 7.39 7.12 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Bottom 3 1 11:55 12:10 25.7 7.77 25.2 7.39 7.12 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Bottom 3 1 11:55 12:10 25.7 7.77 25.2 7.39 7.39 7.39 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Bottom 3 2 11:55 12:10 25.7 7.77 25.1 7.38 7.36 5 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Bottom 3 2 11:55 12:10 25.7 7.77 25.1 7.38 7.36 5 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Surface 1 1 10:12 10:27 25.6 7.6 24.8 7.76 4.38 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Surface 1 2 10:12 10:27 25.6 7.6 24.9 7.34 3.34 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Surface 1 2 10:12 10:27 25.6 7.64 24.9 7.34 3.34 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Middle 2 1 10:12 10:27 25.6 7.64 24.9 7.36 3.3 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Middle 2 1 10:12 10:27 25.6 7.64 24.9 7.36 3.3 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Bottom 3 1 10:12 10:27 25.6 7.68 24.9 7.32 4.28 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Bottom 3 1 10:12 10:27 25.6 7.68 24.9 7.32 4.28 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Bottom 3 1 10:12 10:27 25.6 7.68 24.9 7.32 4.28 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Bottom 3 2 10:12 10:27 25.6 7.68 24.9 7.32 4.28 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS4 Bottom 3 1 09:30 09:47 25.6 7.5 24.8 7.4 5.89 4 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Bottom 3 2 09:30 09:47 25.6 7.5 24.8 7.37 5.85 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Surface 1 1 11:55 12:10 26 7.73 24.9 8.42 7.68 4 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Surface 1 2 11:55 12:10 26 7.74 24.8 8.45 7.64 5 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Middle 2 1 11:55 12:10 25.7 7.75 25.2 7.42 7.17 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Middle 2 1 11:55 12:10 25.7 7.75 25.2 7.39 7.12 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Bottom 3 1 11:55 12:10 25.7 7.77 25.2 7.35 7.39 8 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Bottom 3 1 11:55 12:10 25.7 7.77 25.2 7.35 7.39 8 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Bottom 3 2 11:55 12:10 25.7 7.77 25.1 7.38 7.36 5 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Surface 1 1 10:12 10:27 25.6 7.6 24.8 7.76 4.38 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Surface 1 1 10:12 10:27 25.6 7.6 24.8 7.76 4.38 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Middle 2 1 10:12 10:27 25.6 7.6 24.9 7.34 3.34 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Middle 2 1 10:12 10:27 25.6 7.6 24.9 7.34 3.34 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Middle 2 1 10:12 10:27 25.6 7.6 24.9 7.34 3.34 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Bottom 3 1 10:12 10:27 25.6 7.6 24.9 7.32 4.28 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Bottom 3 1 10:12 10:27 25.6 7.6 24.9 7.32 4.28 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Bottom 3 1 10:12 10:27 25.6 7.6 24.9 7.32 4.28 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Bottom 3 2 10:12 10:27 25.6 7.6 24.9 7.32 4.28 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Bottom 3 2 10:12 10:27 25.6 7.6 24.9 7.32 4.28 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Bottom 3 2 10:12 10:27 25.6 7.6 24.9 7.32 4.28 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Bott
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TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Middle 2 1 11:55 12:10 25.7 7.75 25.2 7.42 7.17 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Middle 2 2 11:55 12:10 25.7 7.75 25.2 7.39 7.12 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Bottom 3 1 11:55 12:10 25.7 7.77 25.2 7.39 7.12 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Bottom 3 2 11:55 12:10 25.7 7.77 25.1 7.38 7.39 8 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Surface 1 1 10:12 10:27 25.6 7.61 24.8 7.76 4.38 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Middle 2 2 11:55 12:10 25.7 7.75 25.2 7.39 7.12 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Bottom 3 1 11:55 12:10 25.7 7.77 25.2 7.35 7.39 8 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Bottom 3 2 11:55 12:10 25.7 7.77 25.1 7.38 7.36 5 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Surface 1 1 10:12 10:27 25.6 7.6 24.8 7.76 4.38 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Surface 1 2 10:12 10:27 25.6 7.64 24.9 7.34 3.34 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Bottom 3 1 11:55 12:10 25.7 7.77 25.2 7.35 7.39 8 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Bottom 3 2 11:55 12:10 25.7 7.77 25.1 7.38 7.36 5 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Surface 1 1 10:12 10:27 25.6 7.6 24.8 7.76 4.38 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Surface 1 2 10:12 10:27 25.6 7.61 24.7 7.73 4.35 2 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Middle 2 1 10:12 10:27 25.6 7.64 24.9 7.36 3.3 3 TM-CLK Northern HY/2012/08 2013
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb CS6 Bottom 3 2 11:55 12:10 25.7 7.77 25.1 7.38 7.36 5 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Surface 1 1 10:12 10:27 25.6 7.6 24.8 7.76 4.38 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Surface 1 2 10:12 10:27 25.6 7.61 24.7 7.73 4.35 2 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Middle 2 1 10:12 10:27 25.6 7.64 24.9 7.36 3.3 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Bottom 3 1 10:12 10:27 25.6 7.68 24.9 7.32 4.28 3 TM-CLK Northern HY/2012/08 201
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Surface 1 1 10:12 10:27 25.6 7.6 24.8 7.76 4.38 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Surface 1 2 10:12 10:27 25.6 7.61 24.7 7.73 4.35 2 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Middle 2 1 10:12 10:27 25.6 7.64 24.9 7.34 3.34 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Middle 2 10:12 10:27 25.6 7.64 24.9 7.36 3.3 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Bottom 3 1 10:12 10:27 25.6 7.68 24.9 7.32 4.28 3 TM-CLK Northern HY/2012/08 2013-11-01
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Surface 1 2 10:12 10:27 25.6 7.61 24.7 7.73 4.35 2 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Middle 2 1 10:12 10:27 25.6 7.64 24.9 7.34 3.34 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Middle 2 2 10:12 10:27 25.6 7.64 24.9 7.36 3.3 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Bottom 3 1 10:12 10:27 25.6 7.68 24.9 7.32 4.28 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Bottom 3 1 10:27 25.6 7.68 24.9 7.29 4.22 3 TM-CLK Northern HY/2012/08 2013-11-01 <
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Middle 2 1 10:12 10:27 25.6 7.64 24.9 7.34 3.34 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Middle 2 2 10:12 10:27 25.6 7.64 24.9 7.36 3.3 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Bottom 3 1 10:12 10:27 25.6 7.68 24.9 7.32 4.28 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Bottom 3 2 10:12 10:27 25.6 7.68 24.9 7.29 4.22 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Bottom 3 2 10:12 10:27 25.6 7.68 24.9 7.29 4.22 3
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Middle 2 2 10:12 10:27 25.6 7.64 24.9 7.36 3.3 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Bottom 3 1 10:12 10:27 25.6 7.68 24.9 7.32 4.28 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Bottom 3 2 10:12 10:27 25.6 7.68 24.9 7.29 4.22 3
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Bottom 3 1 10:12 10:27 25.6 7.68 24.9 7.32 4.28 3 TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Bottom 3 2 10:12 10:27 25.6 7.68 24.9 7.29 4.22 3
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS12 Bottom 3 2 10:12 10:27 25.6 7.68 24.9 7.29 4.22 3
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TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS13 Surface 1 1 10:32 10:47 25.6 7.69 25 7.22 4.89
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS13 Surface 1 2 10:32 10:47 25.7 7.7 25 7.25 4.93 3
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS13 Middle 2 1 10:32 10:47 25.7 7.72 25 7.37 4.72 3
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS13 Middle 2 2 10:32 10:47 25.7 7.72 25 7.4 4.75 3
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS13 Bottom 3 1 10:32 10:47 25.6 7.74 25 7.32 6.07 7.74
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS13 Bottom 3 2 10:32 10:47 25.6 7.74 25 7.35 6.09 6
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS14 Surface 1 1 09:52 10:08 25.7 7.59 25 7.36 4.01
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS14 Surface 1 2 09:52 10:08 25.7 7.58 25 7.4 4.05
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS14 Middle 2 1 09:52 10:08 25.6 7.64 25.2 7.17 4.37 4.37
TM-CLK Northern HY/2012/08 2013-11-01 Mid-Ebb IS14 Middle 2 2 09:52 10:08 25.6 7.64 25.2 7.19 4.35

TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	IS14	Bottom	3	1	09:52	10:08	25.6	7.65	25.4	6.81	3.84	3.3
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	IS14	Bottom	3	2	09:52	10:08	25.6	7.64	25.4	6.85	3.8	3
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	IS15	Surface	1	1	10:52	11:07	25.7	7.7	25.1	6.89	6.1	6.4
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	IS15	Surface	1	2	10:52	11:07	25.7	7.71	25.1	6.85	6.03	4.6
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	IS15	Middle	2	1	10:52	11:07	25.7	7.75	25.2	6.88	5.56	6.8
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	IS15	Middle	2	2	10:52	11:07	25.7	7.74	25.2	6.84	5.52	5.1
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	IS15	Bottom	3	1	10:52	11:07	25.6	7.75	25.3	6.66	5.6	5.8
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	IS15	Bottom	3	2	10:52	11:07	25.6	7.75	25.3	6.64	5.54	7.3
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	SR8	Surface	1	1	11:36	11:50	26	7.68	25	8.28	4.98	5
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	SR8	Surface	1	2	11:36	11:50	26	7.67	25	8.24	4.92	3.9
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	SR8	Middle	2	1	11:36	11:50						
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	SR8	Middle	2	2	11:36	11:50						
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	SR8	Bottom	3	1	11:36	11:50	25.7	7.7	25.1	8.04	4.64	3.4
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	SR8	Bottom	3	2	11:36	11:50	25.7	7.71	25.1	8.01	4.68	4
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	SR9	Surface	1	1	11:12	11:26	25.7	7.74	24.9	7.15	5.13	4.1
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	SR9	Surface	1	2	11:12	11:26	25.7	7.74	24.9	7.13	5.1	3.8
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	SR9	Middle	2	1	11:12	11:26						
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	SR9	Middle	2	2	11:12	11:26						
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	SR9	Bottom	3	1	11:12	11:26	25.7	7.72	25.1	7.1	4.88	3.9
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	SR9	Bottom	3	2	11:12	11:26	25.7	7.72	25.1	7.07	4.94	4.1
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	SR10a	Surface	1	1	12:25	13:00	26	7.64	24.9	8.65	4.51	3.1
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	SR10a	Surface	1	2	12:25	13:00	26	7.65	24.8	8.61	4.57	3.9
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	SR10a	Middle	2	1	12:25	13:00	25.8	7.7	25.2	8.19	3.59	4.9
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	SR10a	Middle	2	2	12:25	13:00	25.8	7.71	25.2	8.15	3.63	3.1
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	SR10a	Bottom	3	1	12:25	13:00	25.8	7.69	25.2	8.06	3.62	7.1
TM-CLK Northern	HY/2012/08	2013-11-01	Mid-Ebb	SR10a	Bottom	3	2	12:25	13:00	25.8	7.7	25.2	8.04	3.66	6.5
TM-CLK Northern	HY/2012/08	2013-11-04	Mid-Flood	CS4	Surface	1	1	20:21	20:38	25.7	8.42	25.3	6.74	6.95	6
	HY/2012/08	2013-11-04	Mid-Flood	CS4	Surface	1	2	20:21	20:38	25.7	8.46	25.4	6.78	6.74	5.9
TM-CLK Northern	HY/2012/08	2013-11-04	Mid-Flood	CS4	Middle	2	1	20:21	20:38	25.6	8.48	25.4	6.72	6.87	6.1

TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood CS4	Middle	2	2	20:21	20:38	25.5	8.45	25.5	6.66	7.18	5.6
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood CS4	Bottom	3		20:21	20:38		8.5	25.5	6.59	6.63	4.3
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood CS4	Bottom	3		20:21	20:38		8.49	25.6		6.52	5.7
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood CS6	Surface	1	1	17:08	17:23		7.64	25.7	6.43	8.68	7.9
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood CS6	Surface	1	2	17:08	17:23		7.58	25.8	6.37	8.61	8.7
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood CS6	Middle	2	1	17:08	17:23	25.5	7.47	25.9	6.31	8.15	5.9
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood CS6	Middle	2		17:08	17:23		7.52	25.8	6.33	7.99	7.7
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood CS6	Bottom	3	1	17:08	17:23	25.3	7.27	25.8	6.23	9.05	7.3
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood CS6	Bottom	3	2	17:08	17:23	25.4	7.3	25.9	6.22	9.18	7.3
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood IS12	Surface	1	1	19:48	20:03	25.4	8.4	25.6	6.55	7.88	9.8
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood IS12	Surface	1	2	19:48	20:03	25.5	8.37	25.7	6.58	8.1	10.6
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood IS12	Middle	2	1	19:48	20:03	25.5	8.44	25.7	6.61	8.51	9.4
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood IS12	Middle	2		19:48	20:03	25.5	8.45	25.8	6.59	8.71	10
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood IS12	Bottom	3		19:48	20:03	25.4	8.45	25.8	6.49	8.11	7.7
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood IS12	Bottom	3	2	19:48	20:03	25.3	8.47	25.7	6.51	8.75	9.8
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood IS13	Surface	1	1	19:21	19:34	25.4	8.05	25.6	6.58	7.74	6.7
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood IS13	Surface	1	2	19:21	19:34	25.5	8.07	25.7	6.6	7.97	8.3
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood IS13	Middle	2		19:21	19:34	25.5	8.17	25.7	6.5	7.67	8.2
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood IS13	Middle	2		19:21	19:34	25.4	8.22	25.7	6.48	7.35	7.2
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood IS13	Bottom	3		19:21	19:34	25.3	8.26	25.8	6.39	8.85	8.2
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood IS13	Bottom	3	2	19:21	19:34		8.3	25.8	6.37	8.71	8
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood IS14	Surface	1	1	20:10	20:14		8.45	25.7	6.28	9.7	8.6
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood IS14	Surface	1	2	20:10	20:14	25.5	8.42	25.6	6.32	8.75	9.2
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood IS14	Middle	2		20:10	20:14		8.48	25.8	6.36	8.99	9.7
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood IS14	Middle	2		20:10	20:14		8.47	25.8	6.33	9.18	9
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood IS14	Bottom	3		20:10	20:14		8.42	25.8	6.31	8.22	8.2
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood IS14	Bottom	3	2	20:10	20:14		8.44	25.7	6.34	8.15	8.7
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood IS15	Surface	1	1	18:53	19:07	25.5	8.27	25.7	6.59	7.72	8.9
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood IS15	Surface	1	2	18:53	19:07	25.5	8.29	25.6	6.56	8.08	8.3
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood IS15	Middle	2		18:53	19:07	25.5	8.33	25.7	6.52	8.49	10.1
TM-CLK Northern HY/2012/08		Middle	2		18:53			8.31	25.7	6.54	8.45	
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood IS15	Bottom	3		18:53			8.36		6.46	9.42	
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood IS15		3	2	18:53			8.35			8.99	
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood SR8	Surface	1	1	18:01	18:16		7.78		6.45	7.64	
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood SR8	Surface	1	2	18:01	18:16	-	7.8	25.6	6.43	7.51	9.4
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood SR8	Middle	2		18:01	18:16						
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood SR8	Middle	2		18:01	18:16						
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood SR8	Bottom	3		18:01	18:16		7.7	25.7	6.54	8.65	
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood SR8	Bottom	3	2	18:01	18:16		7.73	25.7	6.56	8.29	10.9
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood SR9	Surface	1	1	18:31	18:43		8.37	25.6		7.99	
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood SR9	Surface	1	2	18:31	18:43	25.4	8.38	25.7	6.72	7.91	8.3

TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood S	SR9 Middle	2	1	18:31	18:43	1					
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood S		2		18:31	18:43						
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood S		3		18:31	18:43		8.47	25.8	6.5	8.46	8.6
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood S		3		18:31	18:43		8.44	25.9	6.48	8.65	8.2
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood S		1	1	17:38			6.69	25.9	6.08	7.97	6.6
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood S		1	2	17:38	17:53		6.74	25.9	6.05	7.83	8.3
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood S	SR10a Middle	2	1	17:38	17:53	25.5	6.76	26.1	6.07	8.58	10.3
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood S	R10a Middle	2	2	17:38	17:53	25.5	6.79	26	6.12	8.41	8.4
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood S	SR10a Bottom	3	1	17:38	17:53	25.4	6.84	26.2	5.99	8.9	10.9
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Flood S	SR10a Bottom	3	2	17:38	17:53	25.3	6.87	26.3	5.97	9.32	10.5
TM-CLK Northern HY/2012/08		CS4 Surface	1	1	11:40	11:55	25.7	8.39	25.3	6.65	6.4	5.8
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb C	CS4 Surface		2	11:40	11:55	25.8	8.41	25.3	6.7	6.63	4
TM-CLK Northern HY/2012/08		CS4 Middle	2		11:40	11:55	25.7	8.43	25.3	6.63	6.51	6.7
TM-CLK Northern HY/2012/08		CS4 Middle	2		11:40			8.4	25.4	6.57	7.3	5.9
TM-CLK Northern HY/2012/08		CS4 Bottom	3		11:40	11:55		8.47	25.5	6.5	7.29	7
TM-CLK Northern HY/2012/08		CS4 Bottom	3	2	11:40	11:55	25.6	8.45	25.5	6.46	8.8	8.5
TM-CLK Northern HY/2012/08		CS6 Surface	1	1	14:15	14:30	25.4	7.61	25.8	6.34	9.73	10
TM-CLK Northern HY/2012/08		CS6 Surface	1	2	14:15	14:30	25.4	7.55	25.7	6.28	8.86	10.8
TM-CLK Northern HY/2012/08		CS6 Middle	2		14:15	14:30	25.4	7.44	25.8	6.22	6.92	10
TM-CLK Northern HY/2012/08		CS6 Middle	2		14:15	14:30	25.4	7.48	25.8	6.24	5.56	9.6
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb C	CS6 Bottom	3		14:15	14:30	25.4	7.24	25.9	6.14	4.36	10
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb C	CS6 Bottom	3	2	14:15	14:30	25.4	7.27	25.9	6.13	5.03	9.2
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb IS	S12 Surface	1	1	12:27	12:43	25.4	8.38	25.6	6.46	3.57	9
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb IS	S12 Surface		2	12:27	12:43	25.4	8.35	25.6	6.49	3.56	7.9
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb IS	S12 Middle	2		12:27	12:43	25.4	8.41	25.6	6.52	3.23	9.5
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb IS	S12 Middle	2		12:27	12:43	25.4	8.44	25.7	6.5	3.71	9.2
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb IS	S12 Bottom	3	1	12:27	12:43	25.4	8.43	25.7	6.4	3.14	8
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb IS	S12 Bottom	3	2	12:27	12:43	25.4	8.44	25.7	6.42	4.68	9.3
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb IS	S13 Surface	1	1	12:50	13:07	25.4	8.02	25.6	6.49	3.22	9.2
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb IS	S13 Surface	1	2	12:50	13:07	25.4	8.04	25.6	6.51	3.44	8.1
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb IS	S13 Middle	2		12:50	13:07	25.4	8.14	25.6	6.41	4.09	8.1
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb IS	S13 Middle	2	2	12:50	13:07	25.4	8.19	25.6	6.39	3.74	5.9
TM-CLK Northern HY/2012/08	l l	S13 Bottom	3		12:50	13:07	25.4	8.23	25.6	6.3	3.32	9.3
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb IS	S13 Bottom	3	2	12:50	13:07	25.3	8.27	25.7	6.28	4.79	7.5
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb IS	S14 Surface	1	1	12:03	12:20		8.43		6.19		8.7
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb IS	S14 Surface	1	2	12:03	12:20	25.5	8.4	25.7	6.23	4.64	10.7
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb IS	S14 Middle	2		12:03	12:20	25.5	8.44	25.7	6.27	5.24	7.8
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb IS	S14 Middle	2	2	12:03	12:20	25.5	8.45	25.8	6.24	4.99	6.3
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb IS	S14 Bottom	3	1	12:03	12:20	25.5	8.41	25.7	6.22	3.94	10.8
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb IS	S14 Bottom	3	2	12:03	12:20	25.4	8.43	25.6	6.25	4.87	11.5
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb IS	S15 Surface	1	1	13:14	13:30	25.4	8.25	25.6	6.5	4.91	4.3

TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb	IS15	Surface	1	2	13:14	13:30	25.4	8.27	25.6	6.47	4.09	6
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb	IS15	Middle	2		13:14	13:30		8.3	25.6	6.43	4.73	4.1
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb	IS15	Middle	2		13:14	13:30		8.27	25.6	6.45	5.08	4.7
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb	IS15	Bottom	3		13:14	13:30		8.34	25.6	6.37	3.55	6.6
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb	IS15	Bottom	3		13:14			8.33	25.6	6.39	3.26	5.6
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb	SR8	Surface	1	1	14:03		25.4	7.76	25.6	6.36	5.78	6
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb	SR8	Surface	1	2	14:03	14:17		7.77	25.6	6.34	5.48	6
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb	SR8	Middle	2		14:03	14:17						
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb	SR8	Middle	2		14:03	14:17	'					
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb	SR8	Bottom	3		14:03	14:17	25.4	7.67	25.6	6.45	4.63	6.7
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb	SR8	Bottom	3	2	14:03	14:17	25.4	7.68	25.6	6.47	4.43	6.9
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb	SR9	Surface	1	1	13:36	13:51	25.4	8.34	25.6	6.68	3.66	3.9
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb	SR9	Surface	1	2	13:36	13:51	25.4	8.36	25.6	6.63	3.59	4.6
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb	SR9	Middle	2	1	13:36	13:51						
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb	SR9	Middle	2	2	13:36	13:51						
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb	SR9	Bottom	3		13:36	13:51	25.4	8.45	25.7	6.41	3.65	4.6
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb	SR9	Bottom	3	2	13:36	13:51	25.4	8.42	25.8	6.39	3.64	5.4
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb	SR10a	Surface	1	1	14:45	15:00	25.4	6.68	25.8	5.99	4.96	11.1
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb	SR10a	Surface	1	2	14:45	15:00	25.4	6.72	25.9	5.96	6.23	11.1
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb	SR10a	Middle	2	1	14:45	15:00	25.4	6.71	26.1	5.98	4.62	9.8
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb	SR10a	Middle	2		14:45	15:00	25.4	6.75	26.1	6.03	4.93	9.8
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb	SR10a	Bottom	3	-	14:45	15:00	25.3	6.83	26.1	5.9	5.06	14
TM-CLK Northern HY/2012/08	2013-11-04 Mid-Ebb	SR10a	Bottom	3	2	14:45			6.85	26.2	5.88	4.94	13.9
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood	CS4	Surface	1	1	10:52			8.39	25.4	6.79	9.98	6.1
TM-CLK Northern HY/2012/08		CS4	Surface	1	2	10:52	1		8.43	25.5	6.83	10.2	5.5
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood	CS4	Middle	2		10:52	-		8.41	25.5	6.773	10.7	7.8
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood	CS4	Middle	2		10:52			8.45	25.6	6.71	10.5	9
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood	CS4	Bottom	3		10:52	-		8.51	25.7	6.64	10.9	7.4
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood	CS4	Bottom	3		10:52			8.48	25.6	6.6	11.1	8.9
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood	CS6	Surface	1	1	07:36		25.4	7.61	25.6	6.52	14.6	13.5
TM-CLK Northern HY/2012/08			Surface	1		07:36	1			25.7			15.2
TM-CLK Northern HY/2012/08			Middle	2		07:36			7.44	25.8		15.1	15.2
TM-CLK Northern HY/2012/08			Middle	2		07:36			7.49	25.7		15.5	17.1
TM-CLK Northern HY/2012/08			Bottom	3		07:36	1		7.21	25.9			21.6
TM-CLK Northern HY/2012/08			Bottom	3		07:36	<u> </u>	25.3		25.9		15.7	22.7
TM-CLK Northern HY/2012/08	L		Surface	1	1	10:15				26.6			8.2
TM-CLK Northern HY/2012/08			Surface	1	2	10:15			8.41	25.7	6.63	9.05	8.4
TM-CLK Northern HY/2012/08			Middle	2		10:15			8.46	25.7	6.66	9.11	8.5
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood		Middle	2		10:15			8.49	25.7	6.64	9.17	7.8
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood		Bottom	3		10:15				25.8			10.2
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood	IS12	Bottom	3	2	10:15	10:27	25.2	8.52	25.8	6.56	9.33	9.4

TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood IS13	Surface	1	1	09:52	10:07	25.4	7.99	25.6	6.49	9.91	8.1
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood IS13		1	2	09:52	10:07		8.04	25.5	6.51	9.89	8.6
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood IS13		2	1	09:52	10:07		8.11	25.6	6.44	9.95	10.7
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood IS13	Middle	2		09:52	10:07	25.3	8.16	25.7	6.39	9.99	9.7
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood IS13	Bottom	3	1	09:52	10:07	25.3	8.19	25.8	6.3	10.6	12.7
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood IS13	Bottom	3	2	09:52	10:07	25.3	8.25	25.8	6.28	10.8	14.4
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood IS14	Surface	1	1	10:34	10:46	25.5	8.38	25.6	6.37	9.63	5.8
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood IS14	Surface	1	2	10:34	10:46	25.4	8.44	25.5	6.41	8.82	7.3
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood IS14	Middle	2	1	10:34	10:46	25.4	8.46	25.7	6.45	9.06	4.4
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood IS14	Middle	2	2	10:34	10:46	25.4	8.45	25.6	6.42	9.15	4.5
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood IS14	Bottom	3	1	10:34	10:46	25.4	8.39	25.7	6.4	8.29	10.4
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood IS14	Bottom	3	2	10:34	10:46	25.3	8.36	25.8	6.43	8.22	8.6
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood IS15	Surface	1	1	09:25	09:40	25.4	8.19	25.6	6.68	12.1	10.4
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood IS15	Surface	1	2	09:25	09:40	25.4	8.23	25.5	6.65	12.4	11.7
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood IS15	Middle	2	1	09:25	09:40	25.4	8.3	25.6	6.61	12.9	11.1
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood IS15	Middle	2	2	09:25	09:40	25.3	8.28	25.5	6.63	13.1	12.3
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood IS15	Bottom	3		09:25	09:40	25.2	8.33	25.6	6.51	13.5	11.6
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood IS15	Bottom	3	2	09:25	09:40	25.3	8.32	25.7	6.53	13.2	11.2
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood SR8	Surface	1	1	08:33	08:48	25.5	7.72	25.6	6.54	14.4	12
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood SR8	Surface	1	2	08:33	08:48	25.4	7.75	25.7	6.5	14.6	10
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood SR8	Middle	2		08:33	08:48						
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood SR8	Middle	2		08:33	08:48						
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood SR8	Bottom	3		08:33	08:48	25.3	7.65	25.8		15.8	14.8
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood SR8	Bottom	3	2	08:33	08:48		7.68	25.8		16.3	14.2
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood SR9	Surface	1	1	08:58			8.31	25.5	6.86	11.2	11.6
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood SR9	Surface	1	2	08:58	09:12		8.26	25.6	6.81	10.9	11.8
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood SR9	Middle	2		08:58	09:12						
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood SR9	Middle	2		08:58							
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood SR9	Bottom	3		08:58	09:12		8.4	25.8	6.54	11.8	12.7
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood SR9	Bottom	3	2	08:58			8.37	25.7	6.49	11.7	12.3
TM-CLK Northern HY/2012/08	· · · · · · · · · · · · · · · · · · ·		1	1	08:06			6.62	25.7			16.1
TM-CLK Northern HY/2012/08			1	2	08:06			6.66	25.8			15.6
TM-CLK Northern HY/2012/08			2		08:06			6.71	25.9			18
TM-CLK Northern HY/2012/08			2		08:06		25.4	6.69	25.8		14.5	17.9
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood SR1		3		08:06			6.88	26		14.9	21.4
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Flood SR1		3		08:06		25.3	6.81	26.1	6.02	15.2	23.1
TM-CLK Northern HY/2012/08			1	1	13:09			8.31	25.5			8.2
TM-CLK Northern HY/2012/08			1	2	13:09			8.38	25.6		10.8	7.1
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb CS4	Middle	2		13:09			8.37	25.6		11.2	10.4
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb CS4		2		13:09			8.41	25.5		10.9	9.1
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb CS4	Bottom	3	1	13:09	13:23	25.3	8.45	25.7	6.59	11.4	8.3

TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	CS4	Bottom	3	2	13:09	13:23	25.4	8.46	25.7	6.54	11.6	10
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	CS6	Surface	1	1	16:17	16:39		7.64	25.6	6.46	14.8	17
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	CS6	Surface	1	2	16:17	16:39		7.58	25.7	6.4	15.1	17.3
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	CS6	Middle	2		16:17	16:39		7.46	25.7	6.35	15.4	18.7
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	CS6	Middle	2		16:17	16:39	_	7.51	25.8	6.36	15.9	20.1
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	CS6	Bottom	3		16:17	16:39		7.24	25.9	6.28	16.1	21.5
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	CS6	Bottom	3		16:17	16:39		7.28	25.8	6.3	16.4	20.3
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	IS12	Surface	1	1	13:52	14:06	25.5	8.34	25.7	6.55	9.06	8.5
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	IS12	Surface	1	2	13:52	14:06	25.5	8.39	25.6	6.58	9.12	6.3
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	IS12	Middle	2	1	13:52	14:06	25.4	8.42	25.8	6.61	9.19	8
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	IS12	Middle	2	2	13:52	14:06	25.3	8.4	25.8	6.59	9.23	9.6
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	IS12	Bottom	3		13:52	14:06	25.3	8.51	25.8	6.49	9.33	8.6
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	IS12	Bottom	3	2	13:52	14:06	25.3	8.54	25.9	6.51	9.36	8.4
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	IS13	Surface	1	1	14:14	14:29	25.6	8.01	25.7	6.44	9.98	12.9
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	IS13	Surface	1	2	14:14	14:29	25.5	8.07	25.7	6.46	9.93	12.7
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	IS13	Middle	2		14:14	14:29		8.15	25.7	6.39	10.5	11.5
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	IS13	Middle	2		14:14	14:29	25.4	8.19	25.8	6.33	10.1	11.2
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	IS13	Bottom	3		14:14	14:29		8.21	25.9	6.28	10.9	17.8
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	IS13	Bottom	3		14:14	14:29		8.23	25.8	6.31	11.3	19.2
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	IS14	Surface	1	1	13:31	13:45		8.25	25.7	6.31	9.58	9.1
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	IS14	Surface	1	2	13:31	13:45	+ +	8.31	25.6	6.35	8.69	8.9
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	IS14	Middle	2		13:31	13:45		8.41	25.7	6.39	9.01	7.9
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	IS14	Middle	2		13:31	13:45		8.37	25.7	6.36	9.09	7.4
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	IS14	Bottom	3		13:31	13:45		8.31	25.9	6.34	8.33	7.8
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	IS14	Bottom	3		13:31	13:45	+ +	8.37	25.8	6.37	8.31	8.4
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	IS15	Surface	1	1	14:44	14:59		8.21	25.6	6.62	12.5	14.9
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	IS15	Surface	1	2	14:44	14:59		8.25	25.6	6.59	12.2	13
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	IS15	Middle	2		14:44	14:59		8.35	25.7	6.55	13.2	15.3
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	IS15	Middle	2		14:44	14:59		8.31	25.6	6.57	13.3	14.3
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	IS15	Bottom	3		14:44	14:59		8.37	25.8	6.49	13.6	14.3
TM-CLK Northern HY/2012/08		IS15	Bottom	3	2	14:44			8.39			13.9	14.4
TM-CLK Northern HY/2012/08		SR8	Surface	1	1	15:30			7.76	25.7	6.48	14.7	12
TM-CLK Northern HY/2012/08		SR8	Surface	1	2	15:30	1		7.79	25.8	6.44	15	10.9
TM-CLK Northern HY/2012/08		SR8	Middle	2		15:30	1						
TM-CLK Northern HY/2012/08		SR8	Middle	2		15:30							
TM-CLK Northern HY/2012/08		SR8	Bottom	3		15:30	_		7.68			15.9	14.8
TM-CLK Northern HY/2012/08		SR8	Bottom	3		15:30			7.72	25.8		16.1	14.9
TM-CLK Northern HY/2012/08		SR9	Surface	1	1	15:07	_		8.33	25.6		11.7	11.1
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	SR9	Surface	1	2	15:07			8.28	25.7	6.77	11.1	12.1
TM-CLK Northern HY/2012/08		SR9	Middle	2		15:07	_						
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	SR9	Middle	2	2	15:07	15:22	<u> </u>					

TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	SR9	Bottom	3	1	15:07	15:22	25.4	8.44	25.9	6.51	12.1	11.6
TM-CLK Northern HY/2012/08		SR9	Bottom	3		15:07	15:22		8.46	25.9		11.9	13.2
TM-CLK Northern HY/2012/08		SR10a	Surface	1	1	15:53			6.6	25.7	6.12	13.5	17.8
TM-CLK Northern HY/2012/08		SR10a	Surface	1	2	15:53			6.63	25.7	6.09	13.9	17.5
TM-CLK Northern HY/2012/08		SR10a	Middle	2		15:53			6.69	25.7	6.11	14.4	18.7
TM-CLK Northern HY/2012/08		SR10a	Middle	2		15:53			6.73	25.8			17.4
TM-CLK Northern HY/2012/08		SR10a	Bottom	3		15:53			6.85	25.9		15.4	17.9
TM-CLK Northern HY/2012/08	2013-11-06 Mid-Ebb	SR10a	Bottom	3		15:53			6.8	26		15.8	19.5
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood	CS4	Surface	1	1	12:34	13:02	25.3	7.83	25.3	6.04	8.96	9.3
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood	CS4	Surface	1	2	12:34	13:02	25.3	7.84	25.3	6.07	8.94	7.6
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood	CS4	Middle	2	1	12:34	13:02	25.3	7.85	25.5	5.9	8.17	9.8
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood	CS4	Middle	2	2	12:34	13:02	25.3	7.84	25.5	5.94	8.19	9.9
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood	CS4	Bottom	3	1	12:34	13:02	25.3	7.86	25.5	5.98	8.27	10.6
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood	CS4	Bottom	3	2	12:34	13:02	25.2	7.86	25.4	5.95	8.25	9.5
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood	CS6	Surface	1	1	09:32	09:47	25.1	7.64	25.5	6.04	4.85	6.9
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood	CS6	Surface	1	2	09:32	09:47	25.1	7.62	25.5	6.07	4.89	7
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood	CS6	Middle	2		09:32	09:47	25.1	7.67	25.7	5.96	5.75	7.6
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood	CS6	Middle	2		09:32	09:47	25.1	7.69	25.6	5.99	5.78	6.6
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood	CS6	Bottom	3		09:32	09:47	25.1	7.62	25.7	5.95	5.88	8.2
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood	CS6	Bottom	3	2	09:32	09:47	25.1	7.65	25.6	5.92	5.86	8.6
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood	IS12	Surface	1	1	11:45	12:00	25.4	7.84	25.3	6.03	4.69	5.6
TM-CLK Northern HY/2012/08			Surface	1		11:45	12:00	25.4	7.84	25.3	6.06	4.67	5.9
TM-CLK Northern HY/2012/08		IS12	Middle	2		11:45	12:00	25.2	7.86	25.5	5.93	5.23	6.9
TM-CLK Northern HY/2012/08		IS12	Middle	2		11:45	12:00		7.86	25.5		5.27	6.5
TM-CLK Northern HY/2012/08			Bottom	3		11:45			7.89	25.6		5.6	6
TM-CLK Northern HY/2012/08			Bottom	3	•	11:45			7.88	25.6	5.95	5.64	8.1
TM-CLK Northern HY/2012/08			Surface	1		11:27	11:41	25.3	7.88	25.7	6.01	4.66	4.8
TM-CLK Northern HY/2012/08			Surface	1	2	11:27	11:41	25.3	7.89	25.7	6.04	4.62	4.1
TM-CLK Northern HY/2012/08		IS13	Middle	2		11:27	11:41	25.2	7.87	25.7	5.82	5.31	11.6
TM-CLK Northern HY/2012/08		IS13	Middle	2		11:27	11:41	25.1	7.88	25.6		5.34	10.1
TM-CLK Northern HY/2012/08			Bottom	3					7.8	25.7			11.8
TM-CLK Northern HY/2012/08			Bottom	3	2	11:27			7.81	25.7			12.7
TM-CLK Northern HY/2012/08			Surface	1	1	12:10			7.89	25.3		4.97	6.2
TM-CLK Northern HY/2012/08			Surface	1	2	12:10			7.89	25.3			4.7
TM-CLK Northern HY/2012/08			Middle	2		12:10			7.87	25.5		5.84	6.2
TM-CLK Northern HY/2012/08			Middle	2		12:10			7.87	25.5			7
TM-CLK Northern HY/2012/08			Bottom	3		12:10			7.85	25.5			7.5
TM-CLK Northern HY/2012/08			Bottom	3	2	12:10			7.86	25.4			7.5
TM-CLK Northern HY/2012/08			Surface	1	1	11:09			7.8	25.7			6.5
TM-CLK Northern HY/2012/08			Surface	1	2	11:09				25.7			5.4
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood	IS15	Middle	2	1	11:09	11:22	25.3	7.81	25.7	5.98	6.23	10.2

TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood IS15	Middle	2	2	11:09	11:22	25.2	7.81	25.7	5.95	6.25	11
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood IS15	Bottom	3		11:09			7.84	25.7	5.84	7.02	9.6
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood IS15	Bottom	3		11:09			7.84	25.7	5.87	7.06	11
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood SR8	Surface	+		10:30			7.79	25.6		4.31	6.5
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood SR8	Surface	1	2	10:30	10:42		7.82	25.6	5.95	4.27	5.2
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood SR8	Middle	2		10:30	10:42						
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood SR8	Middle	2		10:30	10:42						
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood SR8	Bottom	3		10:30	10:42	25.1	7.8	25.7	5.91	6.92	9.1
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood SR8	Bottom	3	2	10:30	10:42	25.1	7.81	25.7	5.87	6.9	9.9
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood SR9	Surface	1	1	10:48	11:03	25.3	7.85	25.7	6.06	4.47	8.4
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood SR9	Surface	1	2	10:48	11:03	25.2	7.85	25.7	6.02	4.42	7.5
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood SR9	Middle	2	1	10:48	11:03						
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood SR9	Middle	2	2	10:48	11:03						
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood SR9	Bottom	3	1	10:48	11:03	25.2	7.89	25.7	5.98	6.53	7.5
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood SR9	Bottom	3	2	10:48	11:03	25.2	7.87	25.7	5.94	6.58	7.8
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood SR10a	Surface	1	1	10:02	10:17	25.1	7.7	26	5.88	8.87	13.2
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood SR10a	Surface	1	2	10:02	10:17	25.1	7.72	26	5.85	8.85	12.4
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood SR10a	Middle	2	1	10:02	10:17	25.1	7.74	26	5.79	6.81	13.7
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood SR10a	Middle	2		10:02	10:17	25.1	7.74	26	5.76	6.84	13.6
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood SR10a	Bottom	3	1	10:02	10:17	25.1	7.75	26	5.88	7.22	14.6
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Flood SR10a	Bottom	3	2	10:02	10:17	25.1	7.75	25.9	5.84	7.26	15.3
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb CS4	Surface	1	1	14:52	15:12	25.5	7.78	25.4	6	10.1	10
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb CS4	Surface			14:52	15:12	25.3	7.8	25.4	6.02	10.3	10.4
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb CS4	Middle	2		14:52	15:12	25.4	7.82	25.6	5.88	9.12	7.9
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb CS4	Middle	2		14:52	15:12	25.4	7.78	25.6	5.9	9.14	7.7
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb CS4	Bottom	3		14:52	15:12	25.3	7.82	25.6	5.86	9.06	11.5
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb CS4	Bottom	3	2	14:52	15:12	25.3	7.8	25.6	5.88	9.08	10.9
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb CS6	Surface	1		17:20			7.64	25.4	6.06	5.38	6.2
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb CS6	Surface			17:20			7.66	25.4	6.04	5.36	6
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb CS6	Middle	2		17:20			7.66	25.8	5.94	5.64	5.6
TM-CLK Northern HY/2012/08		Middle	2		17:20				25.6			6.7
TM-CLK Northern HY/2012/08		Bottom	3		17:20			7.64	25.8			7.5
TM-CLK Northern HY/2012/08		Bottom	3		17:20			7.66	25.8			9.3
TM-CLK Northern HY/2012/08		Surface	-	1	15:40	_		7.74	25.4			5.9
TM-CLK Northern HY/2012/08		Surface		2	15:40			7.76	25.4			5.5
TM-CLK Northern HY/2012/08		Middle	2		15:40	_						7.5
TM-CLK Northern HY/2012/08		Middle	2		15:40			7.76	25.4			6.2
TM-CLK Northern HY/2012/08		Bottom	3		15:40			7.8	25.6			6.7
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb IS12	Bottom	3		15:40		+	7.78	25.4		6.85	5.9
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb IS13	Surface		1	15:58				25.4			6
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb IS13	Surface	1 1	2	15:58	16:13	25.6	7.7	25.6	6	5.26	6.8

TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	IS13	Middle	2	1	15:58	16:13	25.4	7.76	25.6	5.9	6.69	6.8
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	IS13	Middle	2		15:58			7.8	25.6	5.86	6.68	6.1
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	IS13	Bottom	3		15:58			7.8	25.6	5.84	7.79	11.1
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	IS13	Bottom	3		15:58			7.76	25.8	5.8	7.77	11.1
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	IS14	Surface	1	1	15:22	15:36		7.76	25.4	5.98	5.24	4.1
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	IS14	Surface	1	2	15:22	15:36		7.74	25.4	5.96	5.28	5.7
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	IS14	Middle	2	1	15:22	15:36	25.5	7.76	25.6	5.94	6.57	6.7
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	IS14	Middle	2		15:22	15:36	25.3	7.78	25.4	5.92	6.55	5.9
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	IS14	Bottom	3	1	15:22	15:36	25.4	7.82	25.6	5.94	4.88	7.7
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	IS14	Bottom	3	2	15:22	15:36	25.2	7.8	25.4	5.9	4.92	6.5
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	IS15	Surface	1	1	16:17	16:32	25.6	7.68	25.6	6.04	4.89	7.7
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	IS15	Surface	1	2	16:17	16:32	25.4	7.7	25.6	6.06	4.92	7.1
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	IS15	Middle	2	1	16:17	16:32	25.3	7.74	25.6	5.96	5.93	6.9
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	IS15	Middle	2	2	16:17	16:32	25.5	7.76	25.8	5.94	5.92	7.3
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	IS15	Bottom	3	1	16:17	16:32	25.3	7.76	25.7	5.92	6.99	10.5
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	IS15	Bottom	3	2	16:17	16:32	25.3	7.74	25.6	5.9	7.03	11.1
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	SR8	Surface	1	1	17:02	17:12	25.4	7.78	25.8	5.94	4.54	2.7
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	SR8	Surface	1	2	17:02	17:12	25.4	7.76	25.6	5.9	4.58	3.8
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	SR8	Middle	2		17:02	17:12	2					
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	SR8	Middle	2	2	17:02	17:12	2					
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	SR8	Bottom	3		17:02	17:12	25.4	7.8	25.8	5.9	7.78	10
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	SR8	Bottom	3	2	17:02	17:12	25.2	7.78	26	5.88	7.74	11.6
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	SR9	Surface	1	1	16:37	16:47	25.5	7.74	25.6	6	5.07	5.2
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	SR9	Surface	1	2	16:37	16:47	25.7	7.78	25.4	5.98	5.03	6.6
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	SR9	Middle	2		16:37	16:47	'					
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	SR9	Middle	2		16:37	16:47	'					
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	SR9	Bottom	3		16:37	16:47	25.4	7.72	25.8	5.96	8.21	7.9
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	SR9	Bottom	3	2	16:37	16:47		7.74	25.8	5.94	8.26	8.1
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	SR10a	Surface	1	1	17:59		25.2	7.68	25.8	5.84	5.25	10.7
TM-CLK Northern HY/2012/08	2013-11-08 Mid-Ebb	SR10a	Surface	1	2	17:59			7.7	25.6	5.86	5.29	10.4
TM-CLK Northern HY/2012/08			Middle	2						25.8		9	13.8
TM-CLK Northern HY/2012/08		SR10a	Middle	2		17:59			7.72	26	5.76	9.04	14.7
TM-CLK Northern HY/2012/08		SR10a	Bottom	3		17:59				26.2		10.1	17.1
TM-CLK Northern HY/2012/08		SR10a	Bottom	3	2	17:59			7.74	26.2	5.8	10.4	15.5
TM-CLK Northern HY/2012/08			Surface	1	1	16:07				25.2	6.36	5.94	5.8
TM-CLK Northern HY/2012/08			Surface	1	2	16:07				25.2		5.98	4.9
TM-CLK Northern HY/2012/08			Middle	2		16:07			7.86	25.3	6.03	6.47	5.6
TM-CLK Northern HY/2012/08			Middle	2		16:07			7.86	25.2	6.07	6.42	4.4
TM-CLK Northern HY/2012/08			Bottom	3		16:07			7.85	25.3	6.17	6.28	5.5
TM-CLK Northern HY/2012/08			Bottom	3	2	16:07			7.86	25.3		6.35	4.2
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood	CS6	Surface	1	1	12:54	13:09	25.3	7.69	25.2	6.33	4.61	5.1

TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood	CS6 Surface	<u> </u>	2	12:54	13:09	25.3	7.67	25.2	6.31	4.65	4.5
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood		2	!	12:54	13:09		7.7	25.3	6.36	5.36	4.1
TM-CLK Northern HY/2012/08		CS6 Middle	2		12:54	13:09		7.69	25.2	6.32	5.32	4.4
TM-CLK Northern HY/2012/08		CS6 Bottom	3		12:54	13:09		7.72	25.3	6.28	5.01	4.7
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood		3		12:54	13:09		7.71	25.3	6.3	5.08	4.1
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood		1	1	15:17	15:32		7.82	25.3	6.09	5.94	5.9
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood		1	2	15:17	15:32		7.82	25.3	6.05	5.91	7.2
TM-CLK Northern HY/2012/08		IS12 Middle	2		15:17	15:32		7.85	25.3	6.08	5.78	4
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood		2		15:17	15:32		7.84	25.3	6.04	5.77	4.8
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood		3		15:17	15:32		7.88	25.3	6.16	5.01	4
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood		3		15:17	15:32		7.87	25.3	6.14	5.08	4.8
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood		1	1	14:56			7.86	25.3	6.23	8.57	10.3
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood		1	2	14:56	15:10	25.3	7.85	25.3	6.27	8.52	10.2
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood		2	1	14:56	15:10	25.2	7.85	25.3	6.25	12.8	9.7
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood	IS13 Middle	2	2	14:56	15:10	25.2	7.85	25.3	6.21	12.7	9.3
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood	IS13 Bottom	3	1	14:56	15:10	25.2	7.83	25.3	6.19	10.3	8.8
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood	IS13 Bottom	3	2	14:56	15:10	25.2	7.82	25.3	6.16	10.2	8.9
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood	IS14 Surface	1	1	15:40	15:55	25.2	7.84	25.3	6.27	5.28	4.4
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood	IS14 Surface	1	2	15:40	15:55	25.2	7.84	25.3	6.29	5.33	3.3
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood	IS14 Middle	2	1	15:40	15:55	25.2	7.85	25.3	6.1	5.01	6.3
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood	IS14 Middle	2		15:40	15:55	25.2	7.85	25.3	6.07	5.09	5
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood	IS14 Bottom	3		15:40	15:55	25.2	7.81	25.3	6.09	5.69	5
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood		3	2	15:40	15:55	25.2	7.82	25.2	6.05	5.74	4.4
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood	IS15 Surface	1	1	14:35	14:50	25.2	7.84	25.3	6.2	6.8	3.4
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood		1	2	14:35			7.84	25.3	6.23	6.85	2.8
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood		2		14:35			7.86	25.3	6.22	5.62	3.4
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood		2		14:35			7.86	25.3	6.19	5.68	3.5
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood		3		14:35			7.85	25.3	6.21	6.04	4.6
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood		3		14:35			7.84	25.3	6.19	6.08	5.2
TM-CLK Northern HY/2012/08		SR8 Surface	1	1	13:54	14:07	25.2	7.81	25.3	6.32	7.2	4.1
TM-CLK Northern HY/2012/08					13:54			7.82	25.3	6.34	7.25	4.5
TM-CLK Northern HY/2012/08			2		13:54							
TM-CLK Northern HY/2012/08			2		13:54							
TM-CLK Northern HY/2012/08			3		13:54				25.3			11
TM-CLK Northern HY/2012/08			3	2	13:54			7.81	25.3		11	9.2
TM-CLK Northern HY/2012/08				1 1	14:15			7.81	25.4			5.6
TM-CLK Northern HY/2012/08				2	14:15			7.8	25.4	6.06	6.81	6.6
TM-CLK Northern HY/2012/08			2		14:15							
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood		2		14:15							
TM-CLK Northern HY/2012/08			3		14:15			7.82	25.3		6.77	4.7
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood	SR9 Bottom	3	2	14:15	14:29	25.1	7.82	25.2	6.07	6.72	6.3

TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood	SR10a	Surface	1	1	13:24	13:39	25.6	7.74	24.9	6.4	5.61	4
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood	SR10a	Surface	1	2	13:24	13:39	25.6	7.74	24.9	6.44	5.65	3.4
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood	SR10a	Middle	2	1	13:24	13:39	25.3	7.76	25	6.36	5.36	3.3
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood	SR10a	Middle	2	2	13:24	13:39	25.3	7.78	25.1	6.34	5.32	3.8
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood	SR10a	Bottom	3	1	13:24	13:39	25.3	7.84	25.2	6.3	5.06	4.6
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Flood	SR10a	Bottom	3	2	13:24	13:39	25.3	7.84	25.2	6.27	5.01	3.1
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	CS4	Surface	1	1	19:01	19:16	24.9	7.84	25	6.12	5.48	5.6
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	CS4	Surface	1	2	19:01	19:16	24.9	7.84	25	6	5.6	3.7
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	CS4	Middle	2	1	19:01	19:16	25	7.83	25.1	5.97	5.79	6.8
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	CS4	Middle	2		19:01	19:16	25	7.83	25.1	5.9	5.93	6.6
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	CS4	Bottom	3	1	19:01	19:16	25.1	7.83	25.1	5.84	6.8	7.7
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	CS4	Bottom	3	2	19:01	19:16	25.1	7.83	25.2	5.8	7.04	7.6
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	CS6	Surface	1	1	21:46	22:01	25	7.83	25.2	6.14	5.14	4.8
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	CS6	Surface	1	2	21:46	22:01	25	7.82	25.2	6.1	5.07	3.7
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	CS6	Middle	2		21:46	22:01	25.1	7.84	25.3	6.04	4.74	5.1
TM-CLK Northern HY/2012/08			Middle	2		21:46		25.1	7.84	25.3	6	4.79	4.4
TM-CLK Northern HY/2012/08			Bottom	3		21:46		25.1	7.83	25.4	5.88	5.1	5.6
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	CS6	Bottom	3	2	21:46	22:01	25.1	7.84	25.4	5.94	4.99	4.2
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	IS12	Surface	1	1	19:51	20:06	25	7.83	25	5.97	5.01	4.5
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	IS12	Surface	1	2	19:51	20:06	24.9	7.83	25.1	5.92	4.96	3.9
TM-CLK Northern HY/2012/08			Middle	2		19:51	20:06	25.1	7.82	25.1	5.9	5.79	4.6
TM-CLK Northern HY/2012/08			Middle	2		19:51	20:06		7.82	25.2	5.84	5.63	4.3
TM-CLK Northern HY/2012/08			Bottom	3		19:51	20:06		7.81	25.2	5.88	5.72	3.3
TM-CLK Northern HY/2012/08			Bottom	3		19:51	20:06		7.81	25.2	5.92	5.66	4.7
TM-CLK Northern HY/2012/08			Surface	1	1	20:16		25	7.83	25.1	6	8.28	9.1
TM-CLK Northern HY/2012/08			Surface	1	2	20:16		25	7.83	25.2	6.04	8.48	9.4
TM-CLK Northern HY/2012/08			Middle	2		20:16		24.9	7.82	25.1	5.97	12.3	8.7
TM-CLK Northern HY/2012/08			Middle	2		20:16		25	7.82	25.1	5.9	12	10.3
TM-CLK Northern HY/2012/08			Bottom	3		20:16		24.9	7.82	25.1	5.94	9.05	8.8
TM-CLK Northern HY/2012/08			Bottom	3	2	20:16		24.9	7.82	25		8.96	9.6
TM-CLK Northern HY/2012/08			Surface	1	1	19:26				25.1			3.8
TM-CLK Northern HY/2012/08			Surface	1		19:26			7.85	25.1		5.42	3.9
TM-CLK Northern HY/2012/08			Middle	2		19:26			7.84	25.1		5.96	5.6
TM-CLK Northern HY/2012/08			Middle	2		19:26			7.84	25.2		5.88	5.6
TM-CLK Northern HY/2012/08			Bottom	3		19:26			7.83	25.2		6.1	4.9
TM-CLK Northern HY/2012/08			Bottom	3		19:26			7.83	25.2		6.22	4.9
TM-CLK Northern HY/2012/08			Surface	1	1	20:41	20:56		7.83	25.1		5.68	4.1
TM-CLK Northern HY/2012/08			Surface	1	2	20:41	20:56		7.82	25.1	6.12	5.53	5.5
TM-CLK Northern HY/2012/08			Middle	2		20:41	20:56		7.82	25.2		5.8	3.8
TM-CLK Northern HY/2012/08			Middle	2		20:41	20:56		7.82	25.2		5.74	3.9
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	IS15	Bottom	3	1	20:41	20:56	24.8	7.82	25.3	5.98	6.3	6.2

TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	IS15	Bottom	3	2	20:41	20:56	24.8	7.82	25.3	5.94	6.41	5.1
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	SR8	Surface	1	1	21:26	21:36	25.1	7.83	25	6.14	5.99	6.5
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	SR8	Surface	1	2	21:26	21:36	25.1	7.83	25	6.2	5.93	6
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	SR8	Middle	2	1	21:26	21:36						
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	SR8	Middle	2	2	21:26	21:36						
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	SR8	Bottom	3	1	21:26	21:36	25.1	7.82	25.2	6.1	12.8	13.8
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	SR8	Bottom	3	2	21:26	21:36	25.1	7.82	25.2	6.08	13.6	14.8
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	SR9	Surface	1	1	21:06	21:16	25	7.82	25.2	6.12	5.82	6.5
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	SR9	Surface	1	2	21:06	21:16	25	7.83	25.2	6.14	5.68	7
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	SR9	Middle	2	1	21:06	21:16						
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	SR9	Middle	2	2	21:06	21:16						
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	SR9	Bottom	3	1	21:06	21:16	25	7.82	25.3	6.08	5.99	6.1
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	SR9	Bottom	3	2	21:06	21:16	25	7.82	25.4	6.04	6.13	7.1
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	SR10a	Surface	1	1	22:16	22:31	25.1	7.83	25.1	6.08	4.92	3.9
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	SR10a	Surface	1	2	22:16	22:31	25.1	7.83	25.1	6.16	4.88	4
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	SR10a	Middle	2	1	22:16	22:31	25.2	7.82	25.2	6.06	4.74	3
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	SR10a	Middle	2	2	22:16	22:31	25.2	7.82	25.2	6	4.6	3.9
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	SR10a	Bottom	3	1	22:16	22:31	25.1	7.82	25.3	5.97	4.49	3.6
TM-CLK Northern HY/2012/08	2013-11-11 Mid-Ebb	SR10a	Bottom	3	2	22:16	22:31	25.2	7.82	25.2	5.9	4.55	5.5
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood	CS4	Surface	1	1	17:35	17:53	24.7	7.93	25	5.96	4.15	2.6
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood	CS4	Surface	1	2	17:35	17:53	24.8	7.94	25	6	4.19	3.8
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood	CS4	Middle	2	1	17:35	17:53	24.7	7.98	25.1	5.82	3.55	4.2
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood	CS4	Middle	2	2	17:35	17:53	24.6	7.97	25	5.88	3.54	3.6
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood	CS4	Bottom	3		17:35	17:53	24.6	7.98	25.1	5.97	4.7	4.7
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood	CS4	Bottom	3	2	17:35	17:53	24.6	7.99	25.1	5.95	4.79	5.2
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood	CS6	Surface	1	1	14:23	14:43	24.8	7.79	25	6.29	3.82	4.5
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood		Surface	1	2	14:23	14:43	24.8	7.79	25	6.21	3.88	4.9
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood	CS6	Middle	2	1	14:23	14:43	24.7	7.82	25.1	6.15	3.62	3.4
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood	CS6	Middle	2	2	14:23	14:43	24.7	7.81	25	6.18	3.6	3.6
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood		Bottom	3		14:23	14:43		7.87	25.1	6.06	3.47	4.8
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood		Bottom	3	2	14:23				25.1	6.04	3.49	
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood	I IS12	Surface	1	1	16:53	17:11	24.7	7.89	24.9		3.68	3.8
TM-CLK Northern HY/2012/08	<u> </u>		Surface	1	2	16:53		24.7	7.88	24.9		3.7	2.2
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood		Middle	2	1	16:53	17:11	24.7	7.99	25	6.13	3.47	3.1
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood		Middle	2	2	16:53	17:11	24.6	8	25	6.17	3.51	3.2
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood		Bottom	3		16:53	17:11	24.6	8.01	25.1	6.08	3.96	3.7
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood		Bottom	3	2	16:53		24.6		25.1	6.09	3.9	4
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood		Surface	1	1	16:29		24.8	7.74	25	6.06	3.4	5.2
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood		Surface	1	2	16:29		24.8		25	6.07	3.35	6.5
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood	+	Middle	2		16:29			7.81	25	5.94	3.27	4
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood	I IS13	Middle	2	2	16:29	16:48	24.8	7.8	25	5.9	3.23	6.3

TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood IS	S13 Bottom	3	1	16:29	16:48	24.7	7.88	25	5.98	3.6	4.2
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood IS		3		16:29	16:48		7.89	25	5.99	3.58	4.8
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood IS		1	+	17:14	17:31	24.8	7.92	24.9	5.99	3.72	3.9
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood IS		1	2	17:14	17:31	24.8	7.93	25	5.94	3.71	3.6
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood IS		2		17:14	17:31	24.7	7.95	25.1	6.08	3.88	3.4
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood IS		2		17:14	17:31	24.7	7.96	25	6.1	3.82	3.6
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood IS		3		17:14	17:31	24.6	7.94	25.1	5.84	3.43	4.1
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood IS	S14 Bottom	3		17:14	17:31	24.7	7.95	25.1	5.88	3.47	6.1
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood IS	S15 Surface	1	1	16:05	16:24	24.8	7.78	25	6.12	3.91	5.2
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood IS	S15 Surface	1	2	16:05	16:24	24.7	7.79	24.9	6.1	3.93	6.5
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood IS	Middle	2	1	16:05	16:24	24.7	7.8	25	6.02	3.54	5.6
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood IS	Middle	2	2	16:05	16:24	24.7	7.8	25	6.04	3.56	5.1
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood IS	Bottom	3	1	16:05	16:24	24.6	7.82	25	6.1	4.11	6.1
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood IS	Bottom	3	2	16:05	16:24	24.7	7.82	25	6.08	4.13	7.3
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood SI	R8 Surface	1	1	15:17	15:35	24.9	7.75	25	6.24	3.28	5.1
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood SI	R8 Surface	1	2	15:17	15:35	24.9	7.76	25	6.25	3.3	4
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood SI	R8 Middle	2		15:17	15:35						
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood SI	R8 Middle	2	2	15:17	15:35						
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood SI	R8 Bottom	3		15:17	15:35	24.7	7.81	25.1	6.11	3.4	4.5
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood SI	R8 Bottom	3	2	15:17	15:35	24.8	7.82	25.1	6.14	3.39	3.2
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood SI	R9 Surface	1	1	15:40	15:59	24.8	7.71	25	6.28	3.12	3.4
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood SI	R9 Surface	1	2	15:40	15:59	24.7	7.7	25	6.3	3.15	4.5
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood SI	R9 Middle	2	1	15:40	15:59						
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood SI	R9 Middle	2	2	15:40	15:59						
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood SI	R9 Bottom	3		15:40	15:59	24.7	7.75	25.1	6.12	3.39	4.2
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood SI	R9 Bottom	3	2	15:40	15:59	24.6	7.76	25.1	6.1	3.31	4.2
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood SI	R10a Surface	1	1	14:51	15:09	24.8	7.8	24.9	6.19	3.41	4.2
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood SI	R10a Surface	1	2	14:51	15:09	24.9	7.8	24.9	6.2	3.47	4.9
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood SI	R10a Middle	2	1	14:51	15:09	24.7	7.99	25	6.05	3.7	5.2
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood SI	R10a Middle	2	2	14:51	15:09	24.8	7.99	25	6.04	3.76	4.3
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood SI	R10a Bottom	3	1	14:51	15:09	24.7	7.91	25.1	5.91	3.92	4.7
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Flood SI	R10a Bottom	3	2	14:51	15:09	24.7	7.91	25.1	5.93	3.9	3.9
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb C	S4 Surface	1	1	07:42	08:06	24.8	7.91	24.9	6.03	3.58	4
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb C	S4 Surface	1	2	07:42	08:06	24.8	7.9	25	6.01	3.62	5.1
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb C	S4 Middle	2	1	07:42	08:06	24.7	7.9			3.89	4.6
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb C	S4 Middle	2	2	07:42	08:06	24.7	7.9	25	5.97	3.81	4.9
TM-CLK Northern HY/2012/08		S4 Bottom	3		07:42			7.97	25.1			5.3
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb C	S4 Bottom	3	2	07:42	08:06	24.7	7.96	25.1	5.86	3.96	4
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb C	S6 Surface	1	1	10:54	11:12	24.9	7.79	25		3.21	5.8
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb C	S6 Surface	1	2	10:54	11:12	24.9	7.79	25	6.19	3.29	5.7
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb C	S6 Middle	2	1	10:54	11:12	24.8	7.85	25	6.12	3.47	4.5

TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	CS6	Middle	2	2	10:54	11:12	24.7	7.85	25	6.1	3.49	4
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	CS6	Bottom	3	1	10:54	11:12		7.88	25.1	6.02	3.67	4.7
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	CS6	Bottom	3	2	10:54	11:12		7.87	25.1	6.08	3.7	4.2
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	IS12	Surface	1	1	08:46	09:02		7.7	25	6.14	3.55	2
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	IS12	Surface	1	2	08:46	09:02	24.8	7.7	24.9	6.16	3.58	3.1
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	IS12	Middle	2	1	08:46	09:02	24.7	7.84	25	6.2	3.72	3
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	IS12	Middle	2	2	08:46	09:02	24.7	7.85	25	6.18	3.7	2.6
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	IS12	Bottom	3	1	08:46	09:02	24.7	7.81	25.1	6	3.46	3.5
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	IS12	Bottom	3	2	08:46	09:02	24.6	7.81	25.1	5.99	3.5	4.9
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	IS13	Surface	1	1	09:08	09:28	24.8	7.91	24.9	5.91	3.46	4.9
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	IS13	Surface	1	2	09:08	09:28	24.8	7.92	24.9	5.99	3.5	5.9
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	IS13	Middle	2	1	09:08	09:28	24.7	7.94	24.9	5.9	3.15	4.5
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	IS13	Middle	2	2	09:08	09:28	24.7	7.94	25	5.94	3.19	5
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	IS13	Bottom	3		09:08	09:28	24.6	7.98	25	5.88	3.59	5.1
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	IS13	Bottom	3	2	09:08	09:28	24.6	7.99	25	5.9	3.61	4.6
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	IS14	Surface	1	1	08:14	08:38	24.8	7.74	24.9	6.06	3.46	2.5
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	IS14	Surface	1	2	08:14	08:38	24.8	7.75	24.9	6.02	3.5	4.2
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	IS14	Middle	2	1	08:14	08:38	24.8	7.8	25	6.14	3.16	3
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	IS14	Middle	2	2	08:14	08:38	24.7	7.8	25	6.1	3.2	3.1
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	IS14	Bottom	3	1	08:14	08:38	24.7	7.85	25.1	6.01	3.52	3.9
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	IS14	Bottom	3	2	08:14	08:38		7.86	25.1	6.05	3.58	4.1
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	IS15	Surface	1	1	09:30	09:49		7.81	25	6.06	3.33	4
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	IS15	Surface	1	2	09:30	09:49		7.83	25	6.04	3.31	5.5
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	IS15	Middle	2	1	09:30	09:49	 	7.9	25	5.88	3.87	5.1
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	IS15	Middle	2	2	09:30	09:49		7.91	25	5.82	3.9	7.3
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	IS15	Bottom	3	1	09:30	09:49		7.93	25.1	5.93	4.3	6
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	IS15	Bottom	3	2	09:30	09:49		7.94	25.1	5.97	4.38	6.4
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	SR8	Surface	1	1	10:08	10:23	24.9	7.88	24.9	5.97	3.16	5.4
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	SR8	Surface	1	2	10:08	10:23		7.88	24.9	5.99	3.2	6.3
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	SR8	Middle	2	1	10:08	10:23						
TM-CLK Northern HY/2012/08		SR8	Middle	2		10:08							
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	SR8	Bottom	3		10:08			7.89	25	5.77	3.65	5.6
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	SR8	Bottom	3	2	10:08	10:23		7.9	25.1	5.8	3.68	4.7
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	SR9	Surface	1	1	09:52			7.78		6.19	3.2	4.6
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	SR9	Surface	1	2	09:52			7.79	24.9	6.11	3.28	6.3
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	SR9	Middle	2	1	09:52							
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	SR9	Middle	2	2	09:52						0.00	
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	SR9	Bottom	3		09:52			7.88	25.1	6.09	3.23	6.3
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	SR9	Bottom	3	2	09:52	10:05		7.88	25	6.01	3.27	5.5
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	SR10a	Surface	1	1	10:28	10:48		7.82	24.9		3.66	7
TM-CLK Northern HY/2012/08	2013-11-13 Mid-Ebb	SR10a	Surface	1	2	10:28	10:48	24.9	7.83	25	6.07	3.64	6.3

TM OLIC No with a war	1111/10040/00	0040 44 40[M:4 Fbb	0040-	NA: al all a	0		10.00	10.40	04.0	7.00	0.5		0.07	
TM-CLK Northern	HY/2012/08	2013-11-13 Mid-Ebb	SR10a	Middle	2	1	10:28			7.99	25		3.27	5.9
TM-CLK Northern	HY/2012/08	2013-11-13 Mid-Ebb	SR10a	Middle	2	2	10:28	10:48		7.98	25	5.97	3.21	5.6
TM-CLK Northern	HY/2012/08	2013-11-13 Mid-Ebb	SR10a	Bottom	3	1	10:28			7.91	25.1	5.9	3.45	5.8
TM-CLK Northern	HY/2012/08	2013-11-13 Mid-Ebb	SR10a	Bottom	3	2	10:28	10:48		7.92	25.1	5.87	3.41	5.5
TM-CLK Northern	HY/2012/08		CS4	Surface	1	1	18:37	18:59		6.96	25.6	6.91	5.68	5.4
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood		Surface	1	2	18:37	18:59		6.99	25.7	6.94	5.43	5.8
TM-CLK Northern	HY/2012/08		CS4	Middle	2	1	18:37	18:59		7	25.9	6.83	5.77	5.7
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood		Middle	2	2	18:37	18:59		7.02	25.8	6.8	66.2	4.7
TM-CLK Northern	HY/2012/08		CS4	Bottom	3	1	18:37	18:59		7.04	26.1	6.69	7.08	5.3
TM-CLK Northern	HY/2012/08		CS4	Bottom	3	2	18:37	18:59		7.03	26.1	6.66	7.71	5.4
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood	CS6	Surface	1	1	15:29	15:45	24.1	6.87	26.2	6.58	7.2	8.8
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood	CS6	Surface	1	2	15:29	15:45	24.2	6.85	26.1	6.55	7.79	7.4
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood	CS6	Middle	2	1	15:29	15:45	24.1	6.84	26.2	6.6	8.01	7.4
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood	CS6	Middle	2	2	15:29	15:45	24	6.86	26.3	6.62	8.23	8.5
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood	CS6	Bottom	3	1	15:29	15:45	24.2	6.88	26.4	6.66	8.77	8.9
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood	CS6	Bottom	3	2	15:29	15:45	24.2	6.89	26.3	6.64	8.38	8.3
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood	IS12	Surface	1	1	17:49	18:07	24.2	6.93	26.1	6.65	8.28	5.8
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood	IS12	Surface	1	2	17:49	18:07	24.3	6.9	26.2	6.63	7.53	5.8
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood	IS12	Middle	2	1	17:49	18:07	24.1	6.87	26.2	6.69	8.25	7.7
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood	IS12	Middle	2	2	17:49	18:07	24	6.88	26.2	6.7	7.33	6.8
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood	IS12	Bottom	3	1	17:49	18:07	24	6.91	26.4	6.57	8.54	10.3
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood	IS12	Bottom	3	2	17:49	18:07	24	6.94	26.3	6.54	8.79	9.1
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood	IS13	Surface	1	1	17:22	17:41	24.1	6.9	26.1	6.66	7.08	7.7
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood	IS13	Surface	1	2	17:22	17:41	24.2	6.91	26	6.69	7.41	7.3
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood	IS13	Middle	2	1	17:22	17:41	24.2	6.92	26.1	6.73	7.64	8
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood	IS13	Middle	2	2	17:22	17:41	24.1	6.94	26.2	6.72	7.36	7.3
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood	IS13	Bottom	3	1	17:22	17:41	24.3	6.95	26.2	6.79	8.35	9.3
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood	IS13	Bottom	3	2	17:22	17:41	24.2	6.93	26.2	6.77	8.09	10.9
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood	IS14	Surface	1	1	18:12	18:30	24.1	6.89	26.1	6.6	8.67	8.3
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood	IS14	Surface	1	2	18:12	18:30	24.1	6.88	26.2	6.62	8.21	7.3
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood	IS14	Middle	2	1	18:12	18:30	24.2	6.9	26.3	6.66	8.89	6.5
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood	IS14	Middle	2	2	18:12	18:30	24.1	6.92	26.2	6.68	8.322	7.6
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood	IS14	Bottom	3	1	18:12	18:30	24.2	6.93	26.3	6.5	9.4	7.3
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood	IS14	Bottom	3	2	18:12	18:30	24.3	6.92	26.2	6.49	8.71	7.8
TM-CLK Northern	HY/2012/08	2013-11-15 Mid-Flood	IS15	Surface	1	1	17:00	17:17	24	6.93	26.1	6.62	7.27	6.4
TM-CLK Northern		2013-11-15 Mid-Flood		Surface	1	2	17:00	17:17		6.91	26.2	6.64	7.32	6
TM-CLK Northern		2013-11-15 Mid-Flood		Middle	2	1	17:00			6.89	26.2	6.67	8.02	7.4
TM-CLK Northern		2013-11-15 Mid-Flood		Middle	2	2	17:00			6.88	26.1	6.68	8.35	7.2
	HY/2012/08	2013-11-15 Mid-Flood		Bottom	3	1	17:00			6.92	26.2	6.72	7.86	7.6
TM-CLK Northern		2013-11-15 Mid-Flood		Bottom	3	2	17:00			6.93	26.3		7.17	8.7
TM-CLK Northern				Surface	1	1	16:19			6.74	26.1			6.9

TM-CLK Northern HY	//2012/08	2013-11-15 Mid-Flood	SR8	Surface	1	2	16:19	16:33	24	6.75	26.2	6.8	8.08	7
		2013-11-15 Mid-Flood		Middle	2	1	16:19			0.73	20.2	0.0	0.00	
			SR8	Middle	2	2	16:19							
				Bottom	3		16:19			6.77	26.2	6.73	9.67	9.5
			SR8	Bottom	3		16:19	+		6.78	26.3	6.75	8.83	8.9
		2013-11-15 Mid-Flood		Surface	1	1	16:41	16:56			26.1	6.88	7.89	8
		2013-11-15 Mid-Flood		Surface	1	2	16:41	16:56		6.8	26	6.85	7.91	7.3
		2013-11-15 Mid-Flood		Middle	2	1	16:41	16:56		0.0		0.00	7.01	7.0
		2013-11-15 Mid-Flood		Middle	2	2	16:41	16:56						
				Bottom	3		16:41	16:56		6.81	26.1	6.79	7.23	7.4
			SR9	Bottom	3	2	16:41	16:56		6.82	26.1	6.81	6.93	7.3
		2013-11-15 Mid-Flood		Surface	1	1	15:57	16:13		6.9	26.3	6.62	7.45	4.6
		2013-11-15 Mid-Flood		Surface	1	2	15:57	16:13		6.89	26.2	6.59	7.69	5.5
		2013-11-15 Mid-Flood		Middle	2	1	15:57	i	 	6.91	26.3	6.55	8.63	8.8
		2013-11-15 Mid-Flood		Middle	2	2	15:57	16:13	1		26.4	6.52	9.18	7.9
TM-CLK Northern HY	//2012/08	2013-11-15 Mid-Flood	SR10a	Bottom	3		15:57	16:13	1		26.5	6.57	9.77	7.4
TM-CLK Northern HY	//2012/08	2013-11-15 Mid-Flood	SR10a	Bottom	3		15:57	16:13	24.1	6.87	26.4	6.54	9.87	8.7
TM-CLK Northern HY	//2012/08	2013-11-15 Mid-Ebb	CS4	Surface	1	1	09:30	09:47	23.9	6.93	25.5	6.82	5.69	6.1
TM-CLK Northern HY	//2012/08	2013-11-15 Mid-Ebb	CS4	Surface	1	2	09:30	09:47	23.9	6.96	25.6	6.85	5.51	5.1
TM-CLK Northern HY	//2012/08	2013-11-15 Mid-Ebb	CS4	Middle	2	1	09:30	09:47	23.9	6.97	25.8	6.74	5.85	5
TM-CLK Northern HY	//2012/08	2013-11-15 Mid-Ebb	CS4	Middle	2	2	09:30	09:47	24	6.99	25.9	6.71	6.7	4.5
TM-CLK Northern HY	//2012/08	2013-11-15 Mid-Ebb	CS4	Bottom	3	1	09:30	09:47	24	7.01	26	6.6	7.14	8.4
TM-CLK Northern HY	//2012/08		CS4	Bottom	3	2	09:30	09:47	24.1	7	26.1	6.57	7.79	7.7
			CS6	Surface	1	1	12:12	12:28	24	6.84	26.1	6.49	7.28	7.4
			CS6	Surface	1	2	12:12			6.82	26.2	6.46	7.81	7.2
				Middle	2	1	12:12				26.2	6.51	8.07	6.9
			CS6	Middle	2	2	12:12			6.82	26.2	6.53	8.32	7.1
			CS6	Bottom	3		12:12			6.85	26.3	6.57	8.86	7.2
			CS6	Bottom	3	2	12:12			6.86	26.4	6.55	8.47	7.3
			IS12	Surface	1	1	10:17	_		6.9	26	6.56	8.33	7.8
TM-CLK Northern HY			IS12	Surface	1		10:17	_			26.1		7.58	7.7
TM-CLK Northern HY			IS12	Middle	2		10:17	_		6.84	26.1	6.6	8.3	7.2
TM-CLK Northern HY				Middle	2	2	10:17	_		6.85	26.1		7.38	7.6
TM-CLK Northern HY				Bottom	3		10:17			6.88	26.2	6.48	8.59	7.1
TM-CLK Northern HY				Bottom	3		10:17	_			26.3		8.87	7.2
TM-CLK Northern HY			IS13	Surface	1	1	10:43	_		6.87	26		7.15	6.5
TM-CLK Northern HY			IS13	Surface	1	2	10:43			6.88	26		7.49	5.6
TM-CLK Northern HY				Middle	2		10:43	_		6.89	26		7.71	8.3
			IS13	Middle	2	2	10:43	+		6.88	26		7.43	7.5
TM-CLK Northern HY				Bottom	3		10:43			6.91	26.1		8.43	8.8
TM-CLK Northern HY	//2012/08	2013-11-15 Mid-Ebb	IS13	Bottom	3	2	10:43	11:02	24.2	6.9	26.1	6.68	8.11	9.1

TM-CLK Northern HY/2012/08	2013-11-15 Mid-Ebb	IS14	Surface	1	1	09:54	10:12	24.1	6.86	26.1	6.51	8.75	6.6
TM-CLK Northern HY/2012/08	2013-11-15 Mid-Ebb	IS14	Surface	1	2	09:54	10:12	24.1	6.85	26.1	6.53	8.26	7.8
TM-CLK Northern HY/2012/08	2013-11-15 Mid-Ebb	IS14	Middle	2	1	09:54	10:12	24.1	6.87	26.1	6.57	8.97	9
TM-CLK Northern HY/2012/08	2013-11-15 Mid-Ebb	IS14	Middle	2	2	09:54	10:12	24.1	6.89	26.2	6.59	8.27	9.1
TM-CLK Northern HY/2012/08	2013-11-15 Mid-Ebb	IS14	Bottom	3	1	09:54	10:12	24.1	6.9	26.2	6.41	9.48	8.1
TM-CLK Northern HY/2012/08	2013-11-15 Mid-Ebb	IS14	Bottom	3	2	09:54	10:12	24	6.89	26.2	6.4	8.79	8.4
TM-CLK Northern HY/2012/08	2013-11-15 Mid-Ebb	IS15	Surface	1	1	11:06	11:23	24	6.9	26	6.53	7.34	5.7
TM-CLK Northern HY/2012/08	2013-11-15 Mid-Ebb	IS15	Surface	1	2	11:06	11:23	24.1	6.88	26.1	6.55	7.39	5.1
TM-CLK Northern HY/2012/08	2013-11-15 Mid-Ebb	IS15	Middle	2	1	11:06	11:23	24.1	6.86	26.1	6.58	8.08	5.4
TM-CLK Northern HY/2012/08	2013-11-15 Mid-Ebb	IS15	Middle	2	2	11:06	11:23	24.1	6.85	26	6.59	8.42	7.9
TM-CLK Northern HY/2012/08	2013-11-15 Mid-Ebb	IS15	Bottom	3	1	11:06	11:23	24.2	6.89	26.1	6.63	7.93	9.7
TM-CLK Northern HY/2012/08	2013-11-15 Mid-Ebb	IS15	Bottom	3	2	11:06	11:23	24.1	6.9	26.1	6.64	7.25	8.2
TM-CLK Northern HY/2012/08	2013-11-15 Mid-Ebb	SR8	Surface	1	1	11:50	12:04	24	6.71	26.1	6.7	8.39	5
TM-CLK Northern HY/2012/08	2013-11-15 Mid-Ebb	SR8	Surface	1	2	11:50	12:04	24	6.72	26.1	6.72	8.17	6.9
TM-CLK Northern HY/2012/08	2013-11-15 Mid-Ebb	SR8	Middle	2	1	11:50	12:04						
TM-CLK Northern HY/2012/08	2013-11-15 Mid-Ebb	SR8	Middle	2	2	11:50	12:04						
TM-CLK Northern HY/2012/08	2013-11-15 Mid-Ebb	SR8	Bottom	3	1	11:50	12:04	24	6.74	26.1	6.65	9.76	6.5
TM-CLK Northern HY/2012/08	2013-11-15 Mid-Ebb	SR8	Bottom	3	2	11:50	12:04	24.1	6.75	26.2	6.67	8.92	8
TM-CLK Northern HY/2012/08	2013-11-15 Mid-Ebb	SR9	Surface	1	1	11:27	11:42	24	6.74	26	6.79	7.94	4.6
TM-CLK Northern HY/2012/08	2013-11-15 Mid-Ebb	SR9	Surface	1	2	11:27	11:42	24	6.77	26	6.76	7.96	4.7
TM-CLK Northern HY/2012/08		SR9	Middle	2	1	11:27	11:42)					
TM-CLK Northern HY/2012/08		SR9	Middle	2	2	11:27	11:42						
TM-CLK Northern HY/2012/08		SR9	Bottom	3	1	11:27	11:42	24	6.78	26	6.7	7.32	6.4
TM-CLK Northern HY/2012/08	2013-11-15 Mid-Ebb	SR9	Bottom	3	2	11:27	11:42	24.1	6.79	26	6.72	6.98	5.5
TM-CLK Northern HY/2012/08		SR10a	Surface	1	1	12:40	12:56		6.87	26.2	6.53	7.53	6
TM-CLK Northern HY/2012/08		SR10a	Surface	1	2	12:40	12:56		6.86	26.2	6.5	7.77	4.7
TM-CLK Northern HY/2012/08		SR10a	Middle	2	1	12:40	12:56		6.88	26.2	6.46	8.71	7
TM-CLK Northern HY/2012/08		SR10a	Middle	2	2	12:40	12:56		6.89	26.3	6.43	9.27	6
TM-CLK Northern HY/2012/08		SR10a	Bottom	3		12:40	12:56		6.83	26.4	6.48	9.86	7.7
TM-CLK Northern HY/2012/08		SR10a	Bottom	3	2	12:40			6.84	26.4	6.45	9.95	7.2
TM-CLK Northern HY/2012/08			Surface	1	1	20:07				25.8			9
TM-CLK Northern HY/2012/08			Surface	1	2	20:07			7.33	25.9		11.8	9
TM-CLK Northern HY/2012/08			Middle	2	1	20:07			7.37	25.9		8.99	8.3
TM-CLK Northern HY/2012/08			Middle	2	2	20:07			7.35	26		8.76	7.6
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood		Bottom	3	1	20:07	20:25		7.4	26.2	6.67	9.2	8.6
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood		Bottom	3		20:07			7.39	26.2	6.64	9.27	7.7
TM-CLK Northern HY/2012/08			Surface	1	1	17:25			7.21	26.3		6.57	5.4
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood		Surface	1	2	17:25			7.24	26.2	6.54	7.05	6.5
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood		Middle	2	1	17:25			7.28	26.3		6.68	8.8
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood		Middle	2		17:25			7.27	26.3		6.37	9.9
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood	CS6	Bottom	3	1	17:25	17:43	24.1	7.31	26.4	6.59	6.52	9.7

TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood C	S6 Bottom	3	2	17:25	17:43	24.1	7.34	26.4	6.61	6.4	10.5
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood IS		1	1	19:17	19:35		7.24	26.3	6.73	7.68	9.5
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood IS		1	2	19:17			7.22	26.2	6.7	7.32	9.3
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood IS		2		19:17	19:35		7.27	26.3	6.65	8.62	10.4
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood IS		2		19:17	19:35		7.28	26.4	6.62	8.43	9.3
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood IS		3		19:17	19:35		7.3	26.4	6.44	9.38	9.7
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood IS		3		19:17	19:35		7.31	26.4	6.47	9.76	10.9
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood IS	S13 Surface	1	1	18:55	19:12		7.14	26.1	6.71	7.94	10.7
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood IS	S13 Surface	1	2	18:55	19:12	24.3	7.17	26.2	6.69	8.32	9.3
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood IS	Middle	2	1	18:55	19:12	24.3	7.22	26.2	6.66	9.62	11.5
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood IS	Middle	2	2	18:55	19:12	24.3	7.2	26.2	6.65	10.7	12.1
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood IS	Bottom	3	1	18:55	19:12	24.3	7.27	26.2	6.59	11.4	12.9
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood IS	Bottom	3	2	18:55	19:12	24.2	7.25	26.3	6.61	11	12.7
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood IS	S14 Surface	1	1	19:40	19:58	24.3	7.27	26.3	6.67	7.98	8.9
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood IS	S14 Surface	1	2	19:40	19:58	24.3	7.28	26.3	6.71	8.44	10.4
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood IS	Middle	2		19:40	19:58	24.3	7.3	26.4	6.59	7.18	10
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood IS	Middle Middle	2		19:40	19:58	24.2	7.32	26.4	6.56	8.29	10.3
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood IS		3		19:40	19:58	24.2	7.34	26.4	6.42	8.44	9.1
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood IS		3		19:40			7.35	26.4	6.43	8.16	11.2
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood IS		1	1	18:32		24.3	7.28	26.2	6.62	9.84	9.4
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood IS		1	2	18:32	18:51	24.3	7.3	26.2	6.64	7.98	9.5
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood IS		2		18:32		24.3	7.32	26.2	6.6	10.4	9.6
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood IS		2		18:32		24.3	7.33	26.3	6.58	9.37	8
TM-CLK Northern HY/2012/08		Bottom	3		18:32		24.2	7.35	26.3	6.51	10.2	11.9
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood IS		3		18:32		24.2	7.37	26.4	6.48	9.85	11.1
TM-CLK Northern HY/2012/08		R8 Surface	1	1	17:51	18:04		7.19	26.2	6.82	6.89	6.3
TM-CLK Northern HY/2012/08		R8 Surface	1	2	17:51	18:04		7.22	26.3	6.79	6.98	6.6
TM-CLK Northern HY/2012/08		R8 Middle	2		17:51	18:04						
TM-CLK Northern HY/2012/08		R8 Middle	2		17:51	18:04						
TM-CLK Northern HY/2012/08		R8 Bottom	3		17:51	18:04		7.24	26.3	6.76	7.32	7.7
TM-CLK Northern HY/2012/08			3	2	17:51				26.3			9.7
TM-CLK Northern HY/2012/08			1	1	18:11	18:27		7.19	26.1	6.88	7.69	7.4
TM-CLK Northern HY/2012/08			1	2	18:11	18:27		7.21	26.1	6.85	7.18	5.9
TM-CLK Northern HY/2012/08			2		18:11							
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood S		2		18:11	18:27		7.04	00.4	0.04	7.00	0.0
TM-CLK Northern HY/2012/08			3		18:11	18:27		7.24	26.1	6.81	7.98	8.9
TM-CLK Northern HY/2012/08			3		18:11	18:27		7.25	26.1	6.79	8.13	8
TM-CLK Northern HY/2012/08			1	1	16:55			7.31	26.3		6.69	6.1
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood S		1	2	16:55			7.29	26.3	6.59	7.08	6.6
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood S		2		16:55			7.34	26.3			7.9
TM-CLK Northern HY/2012/08	2013-11-18 Mid-Flood S	R10a Middle	2	2	16:55	17:13	24.2	7.35	26.4	6.52	6.32	7.3

TM-CLK Northern HY/201	12/08	2013-11-18 Mid-Flood	SR10a	Bottom	3	1	16:55	17:13	24.2	7.38	26.4	6.43	6.79	12.3
TM-CLK Northern HY/201	12/08	2013-11-18 Mid-Flood	SR10a	Bottom	3	2	16:55	17:13	24.2	7.4	26.5	6.41	6.61	10.2
TM-CLK Northern HY/201	12/08	2013-11-18 Mid-Ebb	CS4	Surface	1	1	11:31	11:49	24.2	7.28	25.8	6.83	11.5	7.8
TM-CLK Northern HY/201	12/08	2013-11-18 Mid-Ebb	CS4	Surface	1	2	11:31	11:49	24.2	7.3	25.7	6.81	12.3	7.7
TM-CLK Northern HY/201	12/08	2013-11-18 Mid-Ebb	CS4	Middle	2	1	11:31	11:49	24.1	7.34	25.8	6.73	9.14	10.9
TM-CLK Northern HY/201	12/08	2013-11-18 Mid-Ebb	CS4	Middle	2	2	11:31	11:49	24	7.32	25.9	6.72	8.91	10
TM-CLK Northern HY/201	12/08	2013-11-18 Mid-Ebb	CS4	Bottom	3	1	11:31	11:49	24	7.37	26	6.58	9.35	10
TM-CLK Northern HY/201	12/08	2013-11-18 Mid-Ebb	CS4	Bottom	3	2	11:31	11:49	23.9	7.36	26.1	6.55	9.42	12.2
TM-CLK Northern HY/201	12/08	2013-11-18 Mid-Ebb	CS6	Surface	1	1	14:50	15:01	24.2	7.18	26.1	6.48	6.72	6.4
TM-CLK Northern HY/201	12/08	2013-11-18 Mid-Ebb	CS6	Surface	1	2	14:50	15:01	24.1	7.21	26.2	6.45	7.2	5.4
TM-CLK Northern HY/201	12/08	2013-11-18 Mid-Ebb	CS6	Middle	2	1	14:50	15:01	24.1	7.25	26.2	6.41	6.83	7.4
TM-CLK Northern HY/201	12/08	2013-11-18 Mid-Ebb	CS6	Middle	2	2	14:50	15:01	24	7.24	26.1	6.39	6.52	6.8
TM-CLK Northern HY/201	12/08	2013-11-18 Mid-Ebb	CS6	Bottom	3	1	14:50	15:01	24	7.28	26.2	6.5	6.67	10.6
TM-CLK Northern HY/201	12/08	2013-11-18 Mid-Ebb	CS6	Bottom	3	2	14:50	15:01	24.1	7.31	26.3	6.52	6.55	9.9
TM-CLK Northern HY/201	12/08	2013-11-18 Mid-Ebb	IS12	Surface	1	1	12:27	12:45	24.3	7.21	26.1	6.65	7.76	6.6
TM-CLK Northern HY/201	12/08	2013-11-18 Mid-Ebb	IS12	Surface	1	2	12:27	12:45	24.3	7.19	26.2	6.61	7.4	7.2
TM-CLK Northern HY/201	12/08	2013-11-18 Mid-Ebb	IS12	Middle	2	1	12:27	12:45	24.1	7.24	26.3	6.59	8.77	6.5
TM-CLK Northern HY/201	12/08	2013-11-18 Mid-Ebb	IS12	Middle	2	2	12:27	12:45	24.2	7.25	26.2	6.53	8.58	5.8
TM-CLK Northern HY/201	12/08	2013-11-18 Mid-Ebb	IS12	Bottom	3	1	12:27	12:45	24.1	7.27	26.3	6.35	9.53	10.2
TM-CLK Northern HY/201	12/08	2013-11-18 Mid-Ebb	IS12	Bottom	3	2	12:27	12:45	24.1	7.28	26.4	6.38	8.94	12
TM-CLK Northern HY/201	12/08	2013-11-18 Mid-Ebb	IS13	Surface	1	1	12:50	13:04	24.1	7.11	26.1	6.62	8.09	9
TM-CLK Northern HY/201	12/08	2013-11-18 Mid-Ebb	IS13	Surface	1	2	12:50	13:04	24.2	7.14	26.1	6.6	8.47	8.8
TM-CLK Northern HY/201	12/08	2013-11-18 Mid-Ebb	IS13	Middle	2	1	12:50	13:04	24.2	7.19	26.2	6.57	9.77	9.3
TM-CLK Northern HY/201	12/08	2013-11-18 Mid-Ebb	IS13	Middle	2	2	12:50	13:04		7.17	26.1	6.56	11.2	9.5
TM-CLK Northern HY/201		2013-11-18 Mid-Ebb	IS13	Bottom	3		12:50			7.24	26.2	6.5	11.9	13.9
TM-CLK Northern HY/201		2013-11-18 Mid-Ebb	IS13	Bottom	3	2	12:50	13:04		7.22	26.3	6.52	11.5	13.3
TM-CLK Northern HY/201		2013-11-18 Mid-Ebb	IS14	Surface	1	1	12:04	12:22	24.2	7.23	26.2	6.58	8.06	11.4
TM-CLK Northern HY/201		2013-11-18 Mid-Ebb	IS14	Surface	1	2	12:04	12:22		7.24	26.1	6.6	8.52	12.5
TM-CLK Northern HY/201		2013-11-18 Mid-Ebb	IS14	Middle	2	1	12:04	12:22		7.26	26.2	6.5	7.33	11.5
TM-CLK Northern HY/201		2013-11-18 Mid-Ebb	IS14	Middle	2	2	12:04	12:22	24.2	7.28	26.3	6.47	8.44	11.4
TM-CLK Northern HY/201			IS14	Bottom	3		12:04		-		26.4			14.2
TM-CLK Northern HY/201		2013-11-18 Mid-Ebb		Bottom	3	2	12:04			7.32	26.3		8.31	13.4
TM-CLK Northern HY/201			IS15	Surface	1	1	13:09			7.25	26	6.53		11.4
TM-CLK Northern HY/201			IS15	Surface	1	2	13:09			7.27	26.1	6.55		10
TM-CLK Northern HY/201			IS15	Middle	2	1	13:09			7.29	26.3	6.51	10.9	14
TM-CLK Northern HY/201		2013-11-18 Mid-Ebb	IS15	Middle	2	2	13:09			7.3	26.2	6.49	9.52	14.5
TM-CLK Northern HY/201			IS15	Bottom	3		13:09			7.32	26.3	6.42		15.9
TM-CLK Northern HY/201		2013-11-18 Mid-Ebb	IS15	Bottom	3	2	13:09			7.34	26.3	6.39	10.1	14.4
TM-CLK Northern HY/201		2013-11-18 Mid-Ebb	SR8	Surface	1	1	14:11	14:26		7.16	26.1	6.73		9.2
TM-CLK Northern HY/201		2013-11-18 Mid-Ebb	SR8	Surface	1	2	14:11	14:26		7.19	26.1	6.7	7.13	7.9
TM-CLK Northern HY/201	12/08	2013-11-18 Mid-Ebb	SR8	Middle	2	1	14:11	14:26						

TM-CLK Northern HY/20	012/08	2013-11-18 Mid-Ebb	SR8	Middle	2	2	14:11	14:26						
			SR8	Bottom	3	1	14:11	14:26		7.21	26.1	6.67	7.47	10.9
				Bottom	3	2	14:11	14:26		7.22	26.2	6.64	7.41	8.8
			SR9	Surface	1	1	13:48			7.16	26	6.79	7.41	10.2
			SR9	Surface	1	2	13:48			7.18	25.9	6.76	7.33	9.7
			SR9	Middle	2	1	13:48			7.10	20.0	0.70	7.00	<u> </u>
			SR9	Middle	2	2	13:48							
			SR9	Bottom	3		13:48			7.21	26	6.72	8.14	9.8
			SR9	Bottom	3	2	13:48			7.22	26.1	6.7	8.28	11.6
			SR10a	Surface	1	1	14:31	14:45		7.28	26.2	6.52	6.84	7.5
			SR10a	Surface	1	2	14:31	14:45		7.26	26.1	6.5	7.23	7.6
			SR10a	Middle	2	1	14:31	14:45		7.31	26.2	6.45	6.41	9.8
			SR10a	Middle	2	2	14:31	14:45		7.32	26.3	6.43	6.77	9
		2013-11-18 Mid-Ebb	SR10a	Bottom	3	1	14:31	14:45		7.35	26.4	6.38	6.94	11.3
		2013-11-18 Mid-Ebb	SR10a	Bottom	3	2	14:31	14:45		7.37	26.3	6.26	6.76	10.5
TM-CLK Northern HY/20	012/08 2	2013-11-20 Mid-Flood	CS4	Surface	1	1	10:33	10:57	23.1	7.51	24.5	7.06	12.3	6.5
TM-CLK Northern HY/20	012/08	2013-11-20 Mid-Flood	CS4	Surface	1	2	10:33	10:57	23.2	7.5	24.6	7.04	12.1	7.7
TM-CLK Northern HY/20	012/08	2013-11-20 Mid-Flood	CS4	Middle	2	1	10:33	10:57	23.1	7.6	24.7	6.74	11.9	6.8
TM-CLK Northern HY/20	012/08	2013-11-20 Mid-Flood	CS4	Middle	2	2	10:33	10:57	23.2	7.6	24.6	6.76	12	7.2
TM-CLK Northern HY/20	012/08	2013-11-20 Mid-Flood	CS4	Bottom	3	1	10:33	10:57	23.1	7.63	24.7	6.57	10.7	8.1
TM-CLK Northern HY/20	012/08	2013-11-20 Mid-Flood	CS4	Bottom	3	2	10:33	10:57	23.1	7.64	24.7	6.6	10.8	8.2
TM-CLK Northern HY/20	012/08	2013-11-20 Mid-Flood	CS6	Surface	1	1	07:27	07:47	23.2	7.3	24.4	7.08	8.87	7.2
	012/08	2013-11-20 Mid-Flood	CS6	Surface	1	2	07:27	07:47	23.3	7.3	24.4	7.1	8.83	6.7
		2013-11-20 Mid-Flood	CS6	Middle	2	1	07:27	07:47	23.2	7.37	24.5	6.93	9.27	5.2
		2013-11-20 Mid-Flood		Middle	2	2	07:27	07:47	23.2	7.37	24.4	6.97	9.23	6.4
				Bottom	3	1	07:27	07:47	23.1	7.41	24.6	6.99	9.5	7
			CS6	Bottom	3	2	07:27	07:47		7.42	24.5	7.01	9.48	8.7
			IS12	Surface	1	1	09:46			7.35	24.5	7.2	11.4	8.9
		2013-11-20 Mid-Flood		Surface	1	2	09:46			7.34	24.6	7.18	11	7.2
		2013-11-20 Mid-Flood		Middle	2	1	09:46			7.37	24.6	7.01	10.8	8.2
TM-CLK Northern HY/20				Middle	2	2	09:46			7.38				7.3
TM-CLK Northern HY/20		2013-11-20 Mid-Flood		Bottom	3	1	09:46			7.41	24.6		11.3	9.1
TM-CLK Northern HY/20		2013-11-20 Mid-Flood		Bottom	3	2	09:46			7.42	24.6			8.2
TM-CLK Northern HY/20		2013-11-20 Mid-Flood		Surface	1	1	09:23			7.36				8
TM-CLK Northern HY/20		2013-11-20 Mid-Flood		Surface	1	2	09:23			7.37	24.4	6.91	10.5	6.5
TM-CLK Northern HY/20		2013-11-20 Mid-Flood		Middle	2	1	09:23			7.42	24.4		10.7	6.7
TM-CLK Northern HY/20		2013-11-20 Mid-Flood		Middle	2	2	09:23			7.43	24.4	6.71	10.8	6
TM-CLK Northern HY/20		2013-11-20 Mid-Flood		Bottom	3	1	09:23			7.45	24.5		11.4	6.6
		2013-11-20 Mid-Flood		Bottom	3	2	09:23			7.45	24.5		11.6	8.5
TM-CLK Northern HY/20		2013-11-20 Mid-Flood		Surface	1	1	10:10			7.4	24.6		10.4	6.9
TM-CLK Northern HY/20	012/08	2013-11-20 Mid-Flood	IS14	Surface	1	2	10:10	10:30	23.2	7.4	24.6	7.1	10.3	7.3

TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood IS14	Middle	2	1	10:10	10:30	23.1	7.56	24.7	7.05	9.94	7.4
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood IS14	Middle	2		10:10			7.57	24.6		9.96	8.1
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood IS14	Bottom	3		10:10			7.47	24.7	7.11	9.9	6
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood IS14	Bottom	3		10:10			7.46	24.7	7.17	9.98	7.3
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood IS15	Surface	1	1	09:00	09:20		7.41	24.3	7.01	9.47	7.5
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood IS15	Surface	1	2	09:00	09:20		7.4	24.3	7	9.41	7.7
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood IS15	Middle	2	1	09:00	09:20	23.1	7.47	24.4	6.88	9.82	7.4
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood IS15	Middle	2	2	09:00	09:20	23.1	7.48	24.5	6.82	9.88	8.2
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood IS15	Bottom	3	1	09:00	09:20	23	7.4	24.5	6.84	10.2	7.8
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood IS15	Bottom	3	2	09:00	09:20	23	7.41	24.5	6.86	10.3	6
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood SR8	Surface	1	1	08:13	08:32	23.3	7.34	24.4	6.94	10.7	8.4
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood SR8	Surface	1	2	08:13	08:32	23.2	7.35	24.4	6.96	10.8	7.3
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood SR8	Middle	2	1	08:13	08:32)					
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood SR8	Middle	2	2	08:13	08:32)					
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood SR8	Bottom	3	1	08:13	08:32	23	7.44	24.6	6.74	11	7
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood SR8	Bottom	3	2	08:13	08:32	23.1	7.43	24.5	6.78	11.1	8.1
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood SR9	Surface	1	1	08:35	08:55	23.1	7.33	24.3	6.87	9.98	6.2
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood SR9	Surface	1	2	08:35	08:55	23.2	7.34	24.4	6.9	9.92	6.7
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood SR9	Middle	2		08:35	08:55						
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood SR9	Middle	2	2	08:35	08:55	5					
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood SR9	Bottom	3		08:35	08:55	23	7.31	24.5	6.72	12.1	7.8
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood SR9	Bottom	3	2	08:35	08:55	23.1	7.32	24.6	6.78	12	6.1
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood SR10	a Surface	1	1	07:50	08:10	23.2	7.27	24.5	7.17	8.99	6.8
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood SR10	a Surface	1	2	07:50	08:10	23.2	7.28	24.5	7.13	9.02	6.9
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood SR10	a Middle	2		07:50	08:10	23.2	7.33	24.5	7.04	9.17	7.1
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood SR10	a Middle	2		07:50	08:10	23.2	7.33	24.5	7.01	9.13	5.7
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood SR10	a Bottom	3		07:50	08:10	23.1	7.39	24.6	6.9	9.3	8.2
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Flood SR10		3	2	07:50			7.39	24.5	6.88	9.27	8.8
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb CS4	Surface	1	1	12:40			7.34	24.4	7.18	9.91	5.1
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb CS4	Surface		2	12:40			7.3	24.5	7.15	9.93	6.8
TM-CLK Northern HY/2012/08		Middle	2					7.42	24.6			8.1
TM-CLK Northern HY/2012/08		Middle	2		12:40			7.41	24.5		11.9	8
TM-CLK Northern HY/2012/08		Bottom	3		12:40			7.45	24.7			10.5
TM-CLK Northern HY/2012/08		Bottom	3	2	12:40			7.46	24.6		11.6	11
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb CS6	Surface		1	15:47			7.28	24.4			7
TM-CLK Northern HY/2012/08		Surface		2	15:47			7.29	24.3			7.4
TM-CLK Northern HY/2012/08	<u> </u>	Middle	2		15:47			7.31	24.5			7.8
TM-CLK Northern HY/2012/08		Middle	2		15:47			7.31	24.5		9.09	6.4
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb CS6	Bottom	3		15:47			7.47	24.6		-	9.6
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb CS6	Bottom	3	2	15:47			7.48	24.6		9.6	7.5
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb IS12	Surface	1	1	13:26	13:46	23.3	7.34	24.4	7.08	10.8	8.1

TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	IS12	Surface	1	2	13:26	13:46	23.2	7.34	24.4	7.1	11	7.3
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	IS12	Middle	2		13:26	13:46		7.51	24.5	7	11.5	9.9
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	IS12	Middle	2		13:26			7.5	24.4	7.02	11.4	8.5
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	IS12	Bottom	3		13:26			7.48	24.6	6.82	11.3	11
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	IS12	Bottom	3		13:26			7.49	24.6	6.88	11.1	9.7
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	IS13	Surface	1	1	13:50			7.31	24.4	6.94	12	4.6
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	IS13	Surface	1	2	13:50			7.31	24.4	6.96	12.1	4.8
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	IS13	Middle	2		13:50			7.27	24.5	6.91	11.2	4.8
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	IS13	Middle	2		13:50	14:10	23.2	7.28	24.6	6.93	11	6.1
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	IS13	Bottom	3		13:50	14:10	23.1	7.2	24.6	7.02	10.8	7.9
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	IS13	Bottom	3	2	13:50	14:10	23.1	7.2	24.6	7.01	10.4	6.4
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	IS14	Surface	1	1	13:03	13:23	23.3	7.36	24.5	7.01	9.48	8.5
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	IS14	Surface	1	2	13:03	13:23	23.2	7.37	24.5	7.02	9.5	7.7
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	IS14	Middle	2	1	13:03	13:23	23.2	7.43	24.5	6.97	12.6	8.3
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	IS14	Middle	2	2	13:03	13:23	23.2	7.43	24.5	6.91	12.5	9.2
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	IS14	Bottom	3		13:03	13:23	23	7.5	24.6	6.94	12.1	8.2
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	IS14	Bottom	3	2	13:03	13:23	23.1	7.51	24.6	6.97	12.2	8.2
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	IS15	Surface	1	1	14:13	14:33	23.3	7.3	24.4	6.88	12.1	9
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	IS15	Surface	1	2	14:13	14:33	23.3	7.28	24.5	6.9	12.2	8.1
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	IS15	Middle	2	1	14:13	14:33	23.2	7.25	24.6	6.72	10.4	9.9
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	IS15	Middle	2		14:13	14:33	23.3	7.26	24.6	6.77	10.5	9.7
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	IS15	Bottom	3		14:13	14:33	23.2	7.34	24.6	6.93	10.9	11.3
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	IS15	Bottom	3	2	14:13			7.33	24.6	6.91	10.6	12.2
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	SR8	Surface	1	1	15:00			7.3	24.4	7.02	10.9	7.5
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	SR8	Surface	1	2	15:00			7.29	24.4	7.06	11.1	7.6
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	SR8	Middle	2		15:00							
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	SR8	Middle	2		15:00							
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	SR8	Bottom	3		15:00			7.4	24.5	6.82	12.2	9.3
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	SR8	Bottom	3		15:00	.		7.39	24.6	6.86	12	8
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	SR9	Surface	1	1	14:36			7.21	24.3	7	11.9	6.8
TM-CLK Northern HY/2012/08		SR9	Surface	1		14:36			7.21	24.4	7.08	11.4	7.8
TM-CLK Northern HY/2012/08		SR9	Middle	2		14:36							
TM-CLK Northern HY/2012/08		SR9	Middle	2		14:36							
TM-CLK Northern HY/2012/08			Bottom	3	1	14:36			7.36	24.7			6.7
TM-CLK Northern HY/2012/08		SR9	Bottom	3	-	14:36			7.39	24.6		10.9	8.8
TM-CLK Northern HY/2012/08			Surface	1	1	15:24			7.2	24.4		9.23	6.9
TM-CLK Northern HY/2012/08		SR10a	Surface	1	2	15:24			7.21	24.3			8.7
TM-CLK Northern HY/2012/08			Middle	2		15:24			7.3	24.5		8.98	8.9
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	SR10a	Middle	2		15:24			7.3	24.5		8.99	9.3
TM-CLK Northern HY/2012/08		SR10a	Bottom	3		15:24			7.35	24.5			7.3
TM-CLK Northern HY/2012/08	2013-11-20 Mid-Ebb	SR10a	Bottom	3	2	15:24	15:44	23.1	7.36	24.6	6.6	9.1	8.8

TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	CS4 Surface	1	1	12:00	12:16	22.7	7.77	24.2	6.16	8.51	8.2
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood		1	2	13:49	14:07	22.7	7.77	24.2	6.13	8.49	8.2
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	CS4 Middle	2	1	13:49	14:07	22.8	7.79	24.3	6.09	9.62	9.2
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	CS4 Middle	2		13:49	14:07	22.8	7.78	243	6.07	9.6	8.9
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	CS4 Bottom	3	1	13:49	14:07	22.8	7.79	24.7	5.95	11.3	11.3
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	CS4 Bottom	3	2	13:49	14:07	22.8	7.79	24.7	5.99	11.3	11.8
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	CS6 Surface	1	1	08:46	09:02	22.7	7.69	24	6.02	7.23	6.8
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	CS6 Surface	1	2	08:46	09:02	22.7	7.68	24	6.05	7.28	6.9
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	CS6 Middle	2	1	08:46	09:02	22.9	7.67	24.6	5.95	7.75	7.7
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	CS6 Middle	2	2	08:46	09:02	22.9	7.68	24.6	5.91	7.71	9.2
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	CS6 Bottom	3	1	08:46	09:02	22.9	7.69	24.8	5.96	8.26	7.5
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	CS6 Bottom	3	2	08:46	09:02	22.9	7.69	24.8	5.98	8.22	7.6
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	IS12 Surface	1	1	11:10	11:25	22.7	7.78	24.2	6.16	10.3	6.8
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	IS12 Surface	1	2	14:42	14:57	22.7	7.77	24.2	6.15	10.3	7.8
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	IS12 Middle	2	1	14:42	14:57	22.8	7.76	24.6	6.01	9.03	6.6
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	IS12 Middle	2	2	14:42	14:57	22.8	7.76	24.6	5.97	9.07	7.1
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	IS12 Bottom	3	1	14:42	14:57	22.9	7.78	24.6	6	9.67	9.1
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	IS12 Bottom	3	2	14:42	14:57	22.9	7.77	24.6	6.03	9.62	8.6
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	IS13 Surface	1	1	10:46	11:02	22.8	7.74	24.1	6.06	7.19	6.3
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	IS13 Surface	1	2	15:03	15:21	22.7	7.74	24.1	6.03	7.12	5.2
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	IS13 Middle	2	1	15:03	15:21	23	7.73	24.9	5.87	8.29	8
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	IS13 Middle	2	2	15:03	15:21	23	7.74	24.9	5.84	8.26	6.9
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	IS13 Bottom	3	1	15:03	15:21	23	7.75	24.9	5.94	8.32	7
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	IS13 Bottom	3	2	15:03	15:21	23	7.76	24.9	5.9	8.27	7.2
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	IS14 Surface	1	1	11:30	11:46	22.7	7.79	24.2	6.13	8.62	6.9
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	IS14 Surface	1	2	14:21	14:36	22.7	7.78	24.2	6.15	8.57	7.2
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	IS14 Middle	2		14:21	14:36	22.8	7.78	24.4	6.06	6.55	5.9
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood		2		14:21	14:36	22.8	7.78	24.4	6.02	6.51	5.9
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	IS14 Bottom	3	1	14:21	14:36	22.8	7.76	24.6	5.97	10.2	11.8
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood		3	2	14:21	14:36		7.7	24.6	5.93	10.2	12.5
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood		1	1	10:25	10:40		7.7	24.1	6.02	6.51	5.2
TM-CLK Northern HY/2012/08			1	2	15:27	15:42	22.8	7.71	24.1	6.05	6.47	6.1
TM-CLK Northern HY/2012/08			2		15:27	15:42		7.72	24.9		7.54	7.6
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	IS15 Middle	2		15:27	15:42	23	7.72	24.9	5.79	7.5	6.8
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	IS15 Bottom	3		15:27	15:42		7.72	24.9		11.2	8.8
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood		3	2	15:27	15:42		7.73	24.9		11.2	8
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood		1	1	09:52	10:03		7.72	24.8		9	
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood		1	2	16:07	16:18	22.8	7.71	24.8	5.95	9.06	7.3
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood		2		16:07	16:18						
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood		2		16:07	16:18						
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood	SR8 Bottom	3	1	16:07	16:18	22.8	7.71	24.9	5.9	10.8	8.9

TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood SR8	Bottom	3	2	16:07	16:18	22.9	7.71	24.9	5.87	10.8	9.4
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood SR9	Surface	1	1	10:07	10:10		7.69	24.7	6.06	7.78	5.4
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood SR9	Surface	1	2	15:48			7.69	24.6	6.03	7.74	7.2
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood SR9	Middle	2		15:48			7.00	21.0	0.00	7.7	,
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood SR9	Middle	2		15:48							
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood SR9	Bottom	3		15:48			7.7	24.8	6.01	8.54	9.4
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood SR9	Bottom	3		15:48			7.69	24.7	5.99	8.49	7.4
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood SR10a	Surface	1	1	09:19			7.68	24.1	6.18	7.38	7.6
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood SR10a	Surface	1	2	09:19			7.67	24.1	6.14	7.32	6.3
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood SR10a	Middle	2		09:19			7.69	24.6	5.98	8.05	7.1
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood SR10a	Middle	2		09:19	1		7.7	24.5	5.94	8.01	7.1
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood SR10a	Bottom	3		09:19	09:34	22.9	7.7	24.9	5.94	7.88	10
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Flood SR10a	Bottom	3	2	09:19	09:34	22.9	7.71	24.9	5.9	7.82	8.3
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb CS4	Surface	1	1	13:49	14:07	23	7.66	24.3	6.14	8.59	6.2
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb CS4	Surface	1	2	13:49	14:07	23	7.67	24.3	6.17	8.55	7
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb CS4	Middle	2	1	13:49	14:07	23	7.69	24.5	6.1	10.5	8.8
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb CS4	Middle	2		13:49	14:07	23	7.68	24.5	6.07	10.5	8.2
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb CS4	Bottom	3	1	13:49	14:07	23.1	7.68	24.7	5.98	12.5	11.9
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb CS4	Bottom	3	2	13:49	14:07	23.1	7.67	24.7	5.94	12.5	11.4
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb CS6	Surface	1	1	16:28	16:45	22.8	7.79	24.1	6.1	6.45	5.1
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb CS6	Surface	1	2	16:28	16:45	22.8	7.79	24.1	6.13	6.51	5.8
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb CS6	Middle	2	1	16:28	16:45	23	7.78	24.7	6.04	8.24	5.1
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb CS6	Middle	2		16:28	16:45	23	7.79	24.7	6.07	8.2	5
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb CS6	Bottom	3		16:28	16:45		7.79	24.8	5.98	7.13	6
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb CS6	Bottom	3		16:28	16:45		7.79	24.8	5.95	7.07	5.6
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb IS12	Surface	1	1	14:42	14:57	23	7.72	24.2	6.19	7.88	9.4
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb IS12	Surface	1	2	14:42	14:57	23	7.71	24.2	6.16	7.82	7.3
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb IS12	Middle	2		14:42	14:57	23.1	7.7	24.5	6.05	9.94	11.3
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb IS12	Middle	2		14:42	14:57	23.1	7.7	24.5	6.08	9.9	9.3
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb IS12	Bottom	3	1	14:42	14:57	23.1	7.69	24.6	5.9	10.3	11.5
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb IS12	Bottom	3	2	14:42	14:57	23.1	7.7	24.5	5.86	10.3	12.8
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb IS13	Surface	1	1	15:03	15:21	23	7.75	24.1	6.1	7.24	6.9
TM-CLK Northern HY/2012/08		Surface	1	2	15:03	15:21	23	7.75	24.1	6.13	7.2	7.1
TM-CLK Northern HY/2012/08		Middle	2	1	15:03	15:21	23.1	7.76	24.8	5.92	8.22	7.6
TM-CLK Northern HY/2012/08		Middle	2		15:03		23.1	7.76	24.8		8.17	8
TM-CLK Northern HY/2012/08		Bottom	3	1	15:03	15:21	23.1	7.76	24.9	5.93	11.4	10.8
TM-CLK Northern HY/2012/08		Bottom	3	2	15:03	15:21	23.1	7.75	24.9		11.4	10.4
TM-CLK Northern HY/2012/08		Surface	1	1	14:21	14:36	23	7.69	24.3	6.11	7.22	6.2
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb IS14	Surface	1	2	14:21	14:36	23	7.7	24.3	6.08	7.17	6.1
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb IS14	Middle	2		14:21	14:36	23.1	7.7	24.6	6.04	8.95	12.2
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb IS14	Middle	2	2	14:21	14:36	23.1	7.71	24.6	6.02	8.91	11.2

TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb	IS14	Bottom	3	1	14:21	14:36	23.1	7.71	24.7	5.95	12.3	12.4
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb	IS14	Bottom	3		14:21	14:36	23.1	7.71	24.7	5.91	12.3	12.6
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb	IS15	Surface	1	1	15:27	15:42	23	7.77	24.2	6.05	6.9	5.7
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb	IS15	Surface	1	2	15:27	15:42	23	7.76	24.2	6.08	6.94	6.1
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb	IS15	Middle	2	1	15:27	15:42	23.1	7.77	24.8	5.88	8.8	4.9
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb	IS15	Middle	2	2	15:27	15:42	23.1	7.78	24.8	5.85	8.86	5.6
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb	IS15	Bottom	3	1	15:27	15:42	23.1	7.78	24.9	5.9	10.2	10.7
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb	IS15	Bottom	3	2	15:27	15:42	23.1	7.78	24.9	5.94	10.2	10.8
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb	SR8	Surface	1	1	16:07	16:18	22.9	7.77	24.8	5.97	8.8	5.9
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb	SR8	Surface	1	2	16:07	16:18	22.9	7.78	24.8	5.99	8.86	5.1
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb	SR8	Middle	2	1	16:07	16:18						
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb	SR8	Middle	2	2	16:07	16:18						
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb	SR8	Bottom	3	1	16:07	16:18	22.9	7.79	24.9	5.96	9.45	9.1
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb	SR8	Bottom	3	2	16:07	16:18	22.9	7.78	24.9	5.9	9.4	7.8
TM-CLK Northern HY/2012/08		SR9	Surface	1	1	15:48	16:00	23	7.78	24.8	6.07	7.95	5.1
TM-CLK Northern HY/2012/08			Surface	1	2	15:48	16:00	23	7.78	24.8	6.05	7.91	6.9
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb	SR9	Middle	2	1	15:48	16:00						
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb	SR9	Middle	2	2	15:48	16:00						
TM-CLK Northern HY/2012/08			Bottom	3	1	15:48	16:00		7.78	24.8	6.04	7.87	10.4
TM-CLK Northern HY/2012/08	2013-11-22 Mid-Ebb	SR9	Bottom	3	2	15:48	16:00	22.9	7.78	24.8	6.06	7.84	8.4
TM-CLK Northern HY/2012/08		SR10a	Surface	1	1	17:02	17:19	22.8	7.78	24.1	6.06	7.66	7.9
TM-CLK Northern HY/2012/08		SR10a	Surface	1	2	17:02	17:19		7.79	24.1	6.02	7.6	8.3
TM-CLK Northern HY/2012/08			Middle	2	1	17:02	17:19		7.79	24.8	5.91	8.09	7.1
TM-CLK Northern HY/2012/08		SR10a	Middle	2	2	17:02	17:19		7.78	24.8	5.95	8.03	7.2
TM-CLK Northern HY/2012/08			Bottom	3		17:02	17:19		7.78	24.9	5.92	8.61	11.3
TM-CLK Northern HY/2012/08		SR10a	Bottom	3	2	17:02	17:19		7.77	24.9	5.95	8.57	9.9
TM-CLK Northern HY/2012/08		CS4	Surface	1	1	14:26	14:44		7.8	24.2	6.25	3.04	3.6
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood		Surface	1	2	14:26	14:44		7.8	24.3	6.22	3.08	4.8
TM-CLK Northern HY/2012/08			Middle	2	1	14:26	14:44		7.82	24.3	6.18	2.49	2.5
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood		Middle	2	2	14:26			7.81	24.4	6.16		2.7
TM-CLK Northern HY/2012/08			Bottom	3		14:26				24.6			4.6
TM-CLK Northern HY/2012/08			Bottom	3	2	14:26			7.81	24.5			5.3
TM-CLK Northern HY/2012/08			Surface	1	1	11:14			7.72	23.9		2.76	4
TM-CLK Northern HY/2012/08			Surface	1	2	11:14			7.71	24			2.3
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood		Middle	2	1	11:14			7.7	24.6		2.54	3.5
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood		Middle	2	2	11:14			7.71	24.5		2.51	2.7
TM-CLK Northern HY/2012/08			Bottom	3		11:14			7.72	24.8			6.2
TM-CLK Northern HY/2012/08			Bottom	3	2	11:14			7.73	24.9		2.47	4.4
TM-CLK Northern HY/2012/08			Surface	1	1	13:36			7.81	24.2			3.8
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood		Surface	1	2	13:36			7.8	24.3		2.81	4.3
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood	IS12	Middle	2	1	13:36	13:54	22.9	7.79	24.6	6.1	3.21	2.8

TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood IS12	Middle	2	2	13:36	13:54	22.8	7.78	24.5	6.06	3.18	3.9
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood IS12	Bottom	3	1	13:36	13:54		7.81	24.6	6.09	3.49	4.9
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood IS12	Bottom	3	2	13:36	13:54		7.8	24.7	6.12	3.51	6.1
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood IS13	Surface	1	1	13:12	13:30		7.77	24.2	6.15	3.74	3.9
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood IS13	Surface	1	2	13:12	13:30	23	7.76	24.2	6.12	3.8	3.1
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood IS13	Middle	2	1	13:12	13:30	23.1	7.76	25	5.96	2.25	2.8
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood IS13	Middle	2	2	13:12	13:30		7.77	24.9	5.93	2.32	3
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood IS13	Bottom	3	1	13:12	13:30	23	7.78	25	6.03	3.44	3.7
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood IS13	Bottom	3	2	13:12	13:30	23.1	7.79	25.1	5.99	3.47	3.2
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood IS14	Surface	1	1	14:01	14:20	22.8	7.82	24.3	6.22	2.41	3.7
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood IS14	Surface	1	2	14:01	14:20	22.7	7.81	24.3	6.24	2.35	2.4
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood IS14	Middle	2	1	14:01	14:20	22.9	7.81	24.4	6.15	2.54	4.1
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood IS14	Middle	2	2	14:01	14:20	22.8	7.81	24.5	6.11	2.6	4.4
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood IS14	Bottom	3	1	14:01	14:20	22.9	7.79	24.6	6.06	2.72	3.3
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood IS14	Bottom	3	2	14:01	14:20	23	7.8	24.5	6.02	2.69	2.8
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood IS15	Surface	1	1	12:48	13:06	22.9	7.73	24.2	6.11	2.72	2.2
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood IS15	Surface	1	2	12:48	13:06	22.8	7.74	24.1	6.14	2.69	3.2
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood IS15	Middle	2	1	12:48	13:06	22.9	7.75	24.9	5.92	2.39	3.5
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood IS15	Middle	2	2	12:48	13:06	23	7.74	25	5.88	2.47	4.3
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood IS15	Bottom	3	1	12:48	13:06	23.1	7.75	25	5.98	3.52	3.1
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood IS15	Bottom	3	2	12:48	13:06	23.1	7.75	25	5.95	3.55	3.9
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood SR8	Surface	1	1	12:02	12:20	22.8	7.75	24.7	6.01	3.18	3.5
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood SR8	Surface	1	2	12:02	12:20	22.9	7.74	24.8	6.04	3.21	3.3
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood SR8	Middle	2	1	12:02	12:20						
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood SR8	Middle	2	2	12:02	12:20						
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood SR8	Bottom	3	1	12:02	12:20	22.9	7.74	24.9	5.99	3.24	4.1
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood SR8	Bottom	3	2	12:02	12:20	22.9	7.74	24.8	5.96	3.3	4.3
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood SR9	Surface	1	1	12:25	12:43	22.8	7.72	24.8	6.15	2.5	4.6
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood SR9	Surface	1	2	12:25	12:43	22.9	7.71	24.7	6.12	2.54	6
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood SR9	Middle	2	1	12:25	12:43						
TM-CLK Northern HY/2012/08		Middle	2	2	12:25							
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood SR9	Bottom	3	1	12:25	12:43		7.73	24.9		3.46	5.4
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood SR9	Bottom	3	2	12:25			7.72	24.9		3.52	7.5
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood SR10a	Surface	1	1	11:38	11:56		7.71	24.1	6.27	2.82	3.2
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood SR10a	Surface	1	2	11:38			7.7	24.2	6.23	2.88	4.1
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood SR10a	Middle	2	1	11:38			7.72	24.7	6.07	2.19	5
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood SR10a	Middle	2	2	11:38	11:56		7.73	24.6	6.03	2.11	6.1
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood SR10a	Bottom	3	1	11:38			7.73	24.8	6.04	2.27	5
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Flood SR10a	Bottom	3	2	11:38			7.74	24.9	5.99	2.31	6
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb CS4	Surface	1	1	16:38			7.78	24.3	6.19	3.11	4.5
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb CS4	Surface	1	2	16:38	16:56	22.7	7.8	24.3	6.2	3.13	6

TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb	CS4	Middle	2	1	16:38	16:56	22.9	7.76	24.5	6.14	2.52	5.9
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb		Middle	2		16:38			7.74	24.4	6.12	2.54	4.9
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb		Bottom	3		16:38			7.82	24.7	5.97	2.8	7
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb		Bottom	3		16:38			7.84	24.6	5.95	2.81	7.4
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb		Surface	1	1	19:41	19:51	22.7	7.74	23.9	6.02	2.84	6.4
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb		Surface	1	2	19:41	19:51	22.8	7.79	23.9	6.04	2.82	6.5
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb	_	Middle	2	1	19:41	19:51	22.9	7.74	24.6	5.94	2.55	6.1
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb	CS6	Middle	2		19:41	19:51	22.8	7.76	24.5	5.96	2.57	7.2
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb	CS6	Bottom	3	1	19:41	19:51	23	7.69	24.8	6	2.5	8.2
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb	CS6	Bottom	3	2	19:41	19:51	23.1	7.68	24.9	5.98	2.52	7.3
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb	IS12	Surface	1	1	17:24	17:42	22.7	7.74	24.2	6.17	2.79	3.8
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb	IS12	Surface	1	2	17:24	17:42	22.8	7.76	24.2	6.19	2.81	2.3
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb	IS12	Middle	2	1	17:24	17:42	22.9	7.82	24.5	6.04	3.24	3.7
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb	IS12	Middle	2	2	17:24	17:42	22.8	7.84	24.4	6.06	3.26	2.2
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb	IS12	Bottom	3	1	17:24	17:42	23	7.86	24.6	6	3.56	4.3
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb	IS12	Bottom	3	2	17:24	17:42	22.9	7.88	24.7	6.02	3.58	4.2
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb	IS13	Surface	1	1	17:47	18:05	22.9	7.75	24.1	6.11	3.82	4.9
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb		Surface	1	2	17:47	18:05	22.9	7.77	24.1	6.09	3.81	3.9
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb	IS13	Middle	2		17:47	18:05	23	7.74	24.8	5.87	2.35	3.4
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb		Middle	2		17:47	18:05	22.9	7.72	24.9	5.89	2.37	4.2
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb		Bottom	3		17:47	18:05		7.81	25.1	5.92	3.52	4
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb	 	Bottom	3		17:47	18:05		7.83	25	5.9	3.54	4.4
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb		Surface	1	1	17:01	17:19		7.77	24.3	6.15	2.44	2.7
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb		Surface	1	2	17:01	17:19	+	7.79	24.2	6.17	2.46	3.1
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb		Middle	2		17:01	17:19		7.82	24.4	6.07	2.62	3.3
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb		Middle	2		17:01	17:19		7.8	24.5	6.09	2.64	5.4
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb		Bottom	3		17:01	17:19		7.83	24.6	5.99	2.82	6.3
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb		Bottom	3		17:01	17:19		7.85	24.6	6.01	2.8	7.3
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb	 	Surface	1	1	18:10			7.71	24.2	6.06	2.75	3.6
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb		Surface	1	2	18:10			7.73	24.1	6.08	2.77	3.7
TM-CLK Northern HY/2012/08			Middle	2		18:10				24.9		2.64	5.8
TM-CLK Northern HY/2012/08			Middle	2		18:10				24.9		2.66	4.1
TM-CLK Northern HY/2012/08			Bottom	3		18:10	1		7.76	25		3.57	8.4
TM-CLK Northern HY/2012/08			Bottom	3	2	18:10	-	+	7.74	24.9		3.58	6.6
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb		Surface	1	1	18:56	<u> </u>			24.8		3.24	7.3
TM-CLK Northern HY/2012/08			Surface	1	2	18:56			7.71	24.7	5.94	3.36	5.2
			Middle	2		18:56							
TM-CLK Northern HY/2012/08			Middle	2		18:56							
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb		Bottom	3		18:56				24.9		3.32	7.4
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb		Bottom	3	2	18:56				24.9			6.1
TM-CLK Northern HY/2012/08	2013-11-25 Mid-Ebb	SR9	Surface	1	1	18:33	18:51	22.8	7.69	24.7	6.04	2.56	2.7

TM-CLK Northern	HY/2012/08	2013-11-25 Mid-Ebb	SR9	Surface	1	2	18:33	18:51	22.8	7.67	24.8	6.02	2.58	2.7
	HY/2012/08	2013-11-25 Mid-Ebb	SR9	Middle	2		18:33		22.0	7.07	24.0	0.02	2.30	2.1
	HY/2012/08	2013-11-25 Mid-Ebb	SR9	Middle	2		18:33							
	HY/2012/08	2013-11-25 Mid-Ebb	SR9	Bottom	3		18:33		22.9	7.74	24.9	5.94	3.54	6.6
	HY/2012/08		SR9	Bottom	3		18:33		22.8	7.76	24.8	5.92	3.56	5.1
	HY/2012/08		SR10a	Surface	1	1	19:19			7.64	24	6.21	2.91	3.2
	HY/2012/08	2013-11-25 Mid-Ebb	SR10a	Surface	1	2	19:19			7.66	24.1	6.22	2.93	4.7
	HY/2012/08	2013-11-25 Mid-Ebb	SR10a	Middle	2		19:19			7.69	24.6	6.01	2.22	4.3
	HY/2012/08	2013-11-25 Mid-Ebb	SR10a	Middle	2		19:19		23	7.71	24.6	5.99	2.24	5.8
	HY/2012/08	2013-11-25 Mid-Ebb	SR10a	Bottom	3		19:19			7.76	24.9	5.84	2.3	3.9
	HY/2012/08	2013-11-25 Mid-Ebb	SR10a	Bottom	3		19:19			7.78	24.8	5.86	2.32	4.4
	HY/2012/08		CS4	Surface	1	1	16:03			7.72	24.3	6.29	3.74	4.7
	HY/2012/08		CS4	Surface	1	2	16:03	 		7.73	24.4	6.27	3.49	4.3
	HY/2012/08	2013-11-27 Mid-Flood	CS4	Middle	2		16:03	1		7.78	24.5	6.16	3.58	5.6
	HY/2012/08	2013-11-27 Mid-Flood	CS4	Middle	2		16:03	16:20		7.8	24.5	6.18	4.01	4.5
TM-CLK Northern	HY/2012/08	2013-11-27 Mid-Flood	CS4	Bottom	3		16:03	16:20	22.9	7.79	24.7	6.02	3.75	6.4
TM-CLK Northern	HY/2012/08	2013-11-27 Mid-Flood	CS4	Bottom	3	2	16:03	16:20	22.9	7.8	24.7	6.04	3.56	5.6
TM-CLK Northern	HY/2012/08	2013-11-27 Mid-Flood	CS6	Surface	1	1	13:20	13:37	22.8	7.64	24	6.23	2.98	5.5
TM-CLK Northern	HY/2012/08	2013-11-27 Mid-Flood	CS6	Surface	1	2	13:20	13:37	22.8	7.67	24	6.27	2.97	5
TM-CLK Northern	HY/2012/08	2013-11-27 Mid-Flood	CS6	Middle	2	1	13:20	13:37	22.9	7.7	24.5	6.08	3.75	4.4
TM-CLK Northern	HY/2012/08	2013-11-27 Mid-Flood	CS6	Middle	2		13:20	13:37	22.9	7.68	24.6	6.11	3.45	5.7
TM-CLK Northern	HY/2012/08	2013-11-27 Mid-Flood	CS6	Bottom	3		13:20	13:37	22.9	7.69	24.9	6.01	3.13	3.8
TM-CLK Northern	HY/2012/08	2013-11-27 Mid-Flood	CS6	Bottom	3	2	13:20	13:37	22.9	7.7	24.9	5.98	3.07	5
	HY/2012/08	2013-11-27 Mid-Flood	IS12	Surface	1	1	15:13	15:32	22.8	7.64	24.3	6.29	4.74	4.7
	HY/2012/08	2013-11-27 Mid-Flood		Surface	1	2	15:13			7.67	24.4	6.27	4.5	6.8
	HY/2012/08	2013-11-27 Mid-Flood		Middle	2		15:13			7.69	24.6	6.18	4.87	6.5
	HY/2012/08	2013-11-27 Mid-Flood		Middle	2		15:13			7.67	24.6	6.15	4.68	5.7
	HY/2012/08		IS12	Bottom	3		15:13			7.7	24.7	6.04	5.09	6.4
	HY/2012/08	2013-11-27 Mid-Flood		Bottom	3		15:13	1		7.72	24.8	6.05	5	7
	HY/2012/08	2013-11-27 Mid-Flood		Surface	1	1	14:50	_		7.7	24.2	6.07	5.14	5.2
		2013-11-27 Mid-Flood		Surface	1		14:50			7.72	24.2		5.21	4.2
TM-CLK Northern				Middle	2		14:50			7.74	24.8	5.82	4.72	5.9
TM-CLK Northern				Middle	2		14:50			7.73	24.9		5.05	5.7
TM-CLK Northern		2013-11-27 Mid-Flood		Bottom	3		14:50			7.74	25	5.76	4.38	8
TM-CLK Northern		2013-11-27 Mid-Flood		Bottom	3		14:50			7.75	25	5.78	4.49	6.8
TM-CLK Northern				Surface	1	1	15:37	_		7.69	24.4	6.24	5.03	4
TM-CLK Northern		2013-11-27 Mid-Flood		Surface	1	2	15:37	_		7.67	24.4	6.21	4.87	4.7
TM-CLK Northern		2013-11-27 Mid-Flood		Middle	2		15:37			7.72	24.5		4.2	3
	HY/2012/08	2013-11-27 Mid-Flood		Middle	2		15:37			7.73	24.6	6.11	4.57	3.3
TM-CLK Northern				Bottom	3		15:37	_		7.75	24.7	5.96	4.33	5.5
TM-CLK Northern	HY/2012/08	2013-11-27 Mid-Flood	IS14	Bottom	3	2	15:37	15:56	22.8	7.76	24.7	5.99	4.11	5.6

TM-CLK Northern HY/2012/08	2013-11-27 Mid-Flood IS1	5 Surface	1	1	14:28	14:45	22.8	7.74	24.3	6.13	4.49	4.4
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Flood IS1		1	2	14:28			7.75	24.4	6.1	4.36	5.6
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Flood IS1		2		14:28			7.72	24.7	5.93	4.19	5.9
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Flood IS1		2		14:28			7.71	24.8	5.89	4.12	5
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Flood IS1		3		14:28			7.76	25	5.82	5.27	5.7
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Flood IS1		3		14:28			7.77	24.9		4.79	6.3
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Flood SR		1	1	13:45			7.7	24.7	6.14	3.78	3.8
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Flood SR		1	2	13:45			7.71	24.7	6.17	3.34	5.3
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Flood SR		2		13:45			7		0117	0.01	0.0
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Flood SR		2		13:45							
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Flood SR		3		13:45			7.72	24.7	5.97	4.25	4
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Flood SR		3		13:45			7.73	24.8	6.02	4.79	5.3
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Flood SR		1	1	14:07	14:23		7.7	24.8	6.21	4.11	4.6
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Flood SR		1	2	14:07	14:23		7.72	24.9	6.19	3.95	3.9
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Flood SR		2		14:07	14:23						
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Flood SR	9 Middle	2		14:07	14:23						
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Flood SR	9 Bottom	3	1	14:07	14:23	22.8	7.73	24.9	5.88	3.99	4.9
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Flood SR	9 Bottom	3	2	14:07	14:23	22.9	7.74	24.9	5.92	3.81	4.7
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Flood SR	10a Surface	1	1	12:53	13:10	22.7	7.62	24.2	6.33	3.44	4.5
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Flood SR	10a Surface	1	2	12:53	13:10	22.6	7.61	24.3	6.3	3.62	3.1
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Flood SR	10a Middle	2	1	12:53	13:10	22.7	7.66	24.6	6.16	3.76	4.1
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Flood SR	10a Middle	2	2	12:53	13:10	22.7	7.67	24.6	6.14	4.11	6.2
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Flood SR	10a Bottom	3	1	12:53	13:10	22.8	7.64	24.9	5.92	3.28	6.2
TM-CLK Northern HY/2012/08		10a Bottom	3	2	12:53	13:10	22.8	7.65	24.8	5.94	3.67	5.4
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb CS		1	1	19:19	19:34	22.6	7.8	24.3	6.04	3.86	4.7
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb CS		1	2	19:19	19:34		7.81	24.4	6.06	3.74	6.2
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb CS		2		19:19	19:34		7.77	24.6	5.88	3.99	4.4
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb CS		2		19:19			7.78	24.6	5.9	3.93	5.9
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb CS		3		19:19			7.84	24.8	5.73	3.73	6.9
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb CS		3		19:19			7.85	24.7	5.77	3.96	6.5
TM-CLK Northern HY/2012/08			1						24		3.04	4.6
TM-CLK Northern HY/2012/08			1	2	22:30			7.68	24		3.06	4.7
TM-CLK Northern HY/2012/08			2		22:30			7.72	24.5		3.54	5.7
TM-CLK Northern HY/2012/08			2		22:30			7.71	24.4			4
TM-CLK Northern HY/2012/08			3		22:30				24.8		3.19	5.8
TM-CLK Northern HY/2012/08			3	2	22:30				24.8		3.24	5.2
TM-CLK Northern HY/2012/08			1	1	20:04			7.68	24.2		4.81	5.6
TM-CLK Northern HY/2012/08			1		20:04			7.69	24.3		4.98	5.9
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb IS1		2		20:04			7.79	24.4	6	4.66	5.3
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb IS1		2		20:04			7.78	24.5			6.4
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb IS1	2 Bottom	3	1	20:04	20:19	22.8	7.86	24.7	5.74	5.16	8.5

TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb	IS12	Bottom	3	2	20:04	20:19	22.8	7.87	24.8	5.75	5.05	8
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb		Surface	1	1	20:24	20:39		7.76	24.2	6.02	5.24	5.9
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb		Surface	1	2	20:24	20:39		7.74	24.2	6.09	5.37	5.7
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb		Middle	2		20:24	20:39		7.79	24.8	5.93	4.97	5.6
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb		Middle	2		20:24	20:39		7.78	24.7	5.9	4.91	4.9
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb		Bottom	3		20:24	20:39		7.7	24.9	5.88	4.62	7.7
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb		Bottom	3		20:24	20:39	22.8	7.69	24.8	5.89	4.5	6.8
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb	IS14	Surface	1	1	19:44	19:59	22.7	7.72	24.3	6.2	4.83	6.4
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb	IS14	Surface	1	2	19:44	19:59	22.7	7.73	24.3	6.17	4.7	4.6
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb	IS14	Middle	2	1	19:44	19:59	22.8	7.72	24.5	5.94	4.47	5.6
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb	IS14	Middle	2	2	19:44	19:59	22.8	7.71	24.6	5.97	4.38	5.4
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb	IS14	Bottom	3	1	19:44	19:59	22.8	7.9	24.7	5.88	4.49	8.9
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb	IS14	Bottom	3	2	19:44	19:59	22.9	7.91	24.7	5.9	4.58	8.7
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb	IS15	Surface	1	1	20:44	21:00	22.7	7.7	24.3	6.07	4.53	4.7
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb	IS15	Surface	1	2	20:44	21:00	22.6	7.7	24.4	6.03	4.65	4.5
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb	IS15	Middle	2		20:44	21:00	22.7	7.76	24.6	6.02	4.37	4.7
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb	IS15	Middle	2		20:44	21:00	22.8	7.75	24.5	6.07	4.42	5.6
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb	IS15	Bottom	3	1	20:44	21:00	22.8	7.8	24.9	5.83	5.11	5.8
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb	IS15	Bottom	3	2	20:44	21:00	22.8	7.81	24.8	5.8	5.2	6.3
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb	SR8	Surface	1	1	21:28	21:43	22.7	7.78	24.5	6.2	3.59	4.7
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb	SR8	Surface	1	2	21:28	21:43	22.7	7.79	24.4	6.22	3.62	4.2
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb		Middle	2		21:28	21:43						
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb	SR8	Middle	2		21:28	21:43						
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb		Bottom	3		21:28	21:43		7.74	24.8	6.01	4.61	7.8
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb		Bottom	3	2	21:28	21:43		7.7	24.7	6	4.78	6.9
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb		Surface	1	1	21:06	21:21	22.8	7.68	24.8	6.01	4.17	4.8
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb		Surface	1	2	21:06	21:21	22.7	7.69	24.8	6.09	4.27	4.4
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb		Middle	2		21:06	21:21						
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb		Middle	2		21:06	21:21						
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb		Bottom	3		21:06	21:21	22.8	7.7	24.9	5.93	4.09	4.8
TM-CLK Northern HY/2012/08			Bottom	3	2	21:06			7.71	24.8		4.2	6.2
TM-CLK Northern HY/2012/08			Surface	1	1	21:58			7.68	24.1	6.24	3.76	5.9
TM-CLK Northern HY/2012/08			Surface	1	2	21:58	22:16		7.69	24.1	6.26	3.8	6.5
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb		Middle	2		21:58			7.59	24.5		3.89	5
TM-CLK Northern HY/2012/08	2013-11-27 Mid-Ebb		Middle	2		21:58			7.6	24.6	6.01	3.96	5.6
TM-CLK Northern HY/2012/08	ļļ		Bottom	3		21:58			7.62	24.8		3.57	6
TM-CLK Northern HY/2012/08			Bottom	3	2	21:58			7.63	24.8		3.63	5.7
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Flood	 	Surface	1	1	17:11	17:30		7.54	24.2	6.25	2.47	4
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Flood		Surface	1	2	17:11	17:30		7.55	24.4	6.24	2.46	3.9
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Flood		Middle	2		17:11	17:30		7.63	24.4	6.23	2.59	3
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Flood	CS4	Middle	2	2	17:11	17:30	23	7.62	24.7	6.24	2.62	3.6

TM-CLK Northern HY/2012/08	2013-11-29 Mid-Flood	CS4 Bottom	1 3	3 1	17:11	17:30	23.1	7.72	24.9	6.14	3.14	3.3
TM-CLK Northern HY/2012/08			_			17:30	+	7.72	24.9	6.12	3.12	4.7
TM-CLK Northern HY/2012/08		CS6 Surfac		+	14:05			7.62	24.1	6.2	2.32	5.3
TM-CLK Northern HY/2012/08		CS6 Surfac		·			+	7.63	24.2	6.22	2.31	5.2
TM-CLK Northern HY/2012/08		CS6 Middle	_		14:05			7.6	24.4	6.1	3.8	5.9
TM-CLK Northern HY/2012/08		CS6 Middle	_				-	7.58	24.5	6.11	3.78	5.7
TM-CLK Northern HY/2012/08		CS6 Bottom		<u> </u>	14:05			7.61	24.7	6.04	3.31	6.4
TM-CLK Northern HY/2012/08		CS6 Bottom	_				+	7.6	24.8	6.02	3.37	5.2
TM-CLK Northern HY/2012/08					16:23			7.51	24.2	6.44	2.23	2.8
TM-CLK Northern HY/2012/08				1 2			+	7.53	24.3	6.41	2.21	3.1
TM-CLK Northern HY/2012/08				-	16:23		+	7.64	24.3	6.25	3.12	3.8
TM-CLK Northern HY/2012/08			2				+	7.65	24.5	6.27	3.15	3.9
TM-CLK Northern HY/2012/08					16:23		+	7.69	24.7	6.17	2.85	4.1
TM-CLK Northern HY/2012/08					16:23	16:42	+	7.68	24.8	6.19	2.83	3.4
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Flood	IS13 Surfac	_		15:59	16:18		7.68	24.1	6.14	2.41	3
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Flood			1 2	15:59	16:18	22.8	7.66	24.2	6.16	2.42	3.1
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Flood	IS13 Middle	2	2 1	15:59	16:18	22.9	7.7	24.8	6.07	2.67	2.6
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Flood	IS13 Middle	2	2 2	15:59	16:18	22.9	7.69	24.9	6.08	2.66	4
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Flood	IS13 Bottom	1 3	3 1	15:59	16:18	3 23	7.67	25.1	5.94	2.75	4.3
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Flood	IS13 Bottom	1 3	3 2	15:59	16:18	23.1	7.66	25	5.93	2.72	3.7
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Flood	IS14 Surfac	e 1	1 1	16:47	17:06	22.9	7.68	24.4	6.31	2.41	3.5
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Flood	IS14 Surfac	e 1	1 2	16:47	17:06	23	7.67	24.5	6.32	2.43	4.3
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Flood	IS14 Middle	2		16:47	17:06	22.8	7.59	25	6.2	2.64	3.9
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Flood	IS14 Middle	2		16:47	17:06	22.9	7.58	25.2	6.23	2.67	3.4
TM-CLK Northern HY/2012/08		IS14 Bottom			16:47	17:06	22.9	7.61	25.1	6.14	3.15	5.3
TM-CLK Northern HY/2012/08			1 3	3 2	16:47	17:06	-	7.63	25.3	6.19	3.18	3.5
TM-CLK Northern HY/2012/08			_	·	15:35		-	7.64	24.4	6.14	2.34	4.2
TM-CLK Northern HY/2012/08			_	1 2				7.62	24.3	6.12	2.38	3.5
TM-CLK Northern HY/2012/08			2		15:35		-	7.65	24.8	6.04	3.06	4
TM-CLK Northern HY/2012/08			2				-	7.66	24.6	6.04	3.05	5.2
TM-CLK Northern HY/2012/08				3 1			-	7.72	24.8			7
TM-CLK Northern HY/2012/08			_	3 2			-	7.73	24.9		2.25	7.3
TM-CLK Northern HY/2012/08			_	1 1	14:53		+		24.8		4.53	6.1
TM-CLK Northern HY/2012/08			_	1 2				7.66	24.8	6.16	4.52	5.2
TM-CLK Northern HY/2012/08					14:53		+					
TM-CLK Northern HY/2012/08						_						
TM-CLK Northern HY/2012/08				3 1	14:53			7.7	25		3.62	5.2
TM-CLK Northern HY/2012/08				3 2				7.71	25.1	6.08	3.64	6.6
TM-CLK Northern HY/2012/08				1	15:14			7.65	24.6		3.63	7.2
TM-CLK Northern HY/2012/08				1 2			+	7.66	24.7	6.29	3.61	6.2
TM-CLK Northern HY/2012/08	3 2013-11-29 Mid-Flood	SR9 Middle	2	2 1	15:14	15:30)					

TM-CLK Northern HY/2012/08	2013-11-29 Mid-Flood	SR9	Middle	2	2	15:14	15:30						
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Flood		Bottom	3		15:14	15:30		7.71	24.8	5.96	3.45	8.5
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Flood		Bottom	3		15:14	15:30		7.73	24.9	5.98	3.41	8.3
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Flood		Surface	1	1	14:29			7.57	24.2	6.32	2.38	4.3
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Flood		Surface	1	2	14:29			7.58	24.1	6.33	2.41	3.1
TM-CLK Northern HY/2012/08			Middle	2		14:29			7.62	24.4	6.29	3.39	4.1
TM-CLK Northern HY/2012/08			Middle	2		14:29	14:48		7.64	24.5	6.27	3.42	4.2
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Flood	SR10a	Bottom	3		14:29	14:48		7.66	24.8	6.04	3.08	5.5
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Flood	SR10a	Bottom	3	2	14:29	14:48	23	7.67	24.9	6.06	3.11	5.1
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Ebb	CS4	Surface	1	1	07:54	08:13	22.8	7.69	24.3	6.21	2.34	4.7
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Ebb	CS4	Surface	1	2	09:30	09:47	22.8	7.68	24.3	6.23	2.41	4.3
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Ebb	CS4	Middle	2	1	09:30	09:47	22.9	7.74	24.5	6.17	3.89	5.9
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Ebb	CS4	Middle	2	2	09:30	09:47	22.8	7.76	24.6	6.17	3.82	4.9
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Ebb	CS4	Bottom	3	1	09:30	09:47	23	7.8	24.8	6.02	2.77	5.5
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Ebb	CS4	Bottom	3	2	09:30	09:47	23	7.78	24.9	6	2.84	6.1
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Ebb	CS6	Surface	1	1	11:05	11:24	22.9	7.66	24.2	6.17	2.35	5.3
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Ebb	CS6	Surface	1	2	11:05	11:24	22.8	7.64	24.3	6.19	2.37	4.5
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Ebb	CS6	Middle	2		11:05	11:24	22.8	7.63	24.5	6.02	3.83	8.6
TM-CLK Northern HY/2012/08			Middle	2		11:05	11:24	22.8	7.61	24.4	6	3.92	8.5
TM-CLK Northern HY/2012/08			Bottom	3		11:05	11:24	22.7	7.66	24.8	5.94	3.34	8.1
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Ebb	CS6	Bottom	3	2	11:05	11:24	22.8	7.68	24.9	5.96	3.41	8.4
TM-CLK Northern HY/2012/08		IS12	Surface	1	1	08:42	09:01	22.7	7.6	24.3	6.21	2.43	5.1
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Ebb	IS12	Surface	1	2	08:42	09:01	22.8	7.62	24.3	6.23	2.47	3.5
TM-CLK Northern HY/2012/08		-	Middle	2		08:42	09:01	22.9	7.67	24.5	6.13	3.42	3.1
TM-CLK Northern HY/2012/08			Middle	2		08:42		22.9	7.69	24.6	6.11	3.49	4.6
TM-CLK Northern HY/2012/08			Bottom	3		08:42		23	7.71	24.8	6	3.09	5.5
TM-CLK Northern HY/2012/08		-	Bottom	3		08:42		22.9	7.73	24.9	5.98	3.13	5.1
TM-CLK Northern HY/2012/08			Surface	1	1	09:06			7.71	24.2	6	2.58	3.1
TM-CLK Northern HY/2012/08			Surface	1	2	09:06			7.73	24.2	5.98	2.64	3.2
TM-CLK Northern HY/2012/08			Middle	2		09:06			7.76	24.9	5.8	2.98	5
TM-CLK Northern HY/2012/08	 		Middle	2		09:06			7.78				4.8
TM-CLK Northern HY/2012/08			Bottom	3		09:06			7.71	25	5.71	2.97	5.5
TM-CLK Northern HY/2012/08			Bottom	3		09:06			7.69				4.5
TM-CLK Northern HY/2012/08			Surface	1	1	08:18			7.71	24.4			3.1
TM-CLK Northern HY/2012/08			Surface	1	2	08:18			7.69			2.69	3.9
TM-CLK Northern HY/2012/08			Middle	2		08:18			7.67		6.09		3
TM-CLK Northern HY/2012/08			Middle	2		08:18			7.65			3.02	3.3
TM-CLK Northern HY/2012/08			Bottom	3		08:18			7.76			3.34	2.3
TM-CLK Northern HY/2012/08			Bottom	3		08:18			7.77	24.9	5.9		3.3
TM-CLK Northern HY/2012/08			Surface	1	1	09:30			7.69		6.07	2.51	2.6
TM-CLK Northern HY/2012/08	2013-11-29 Mid-Ebb	IS15	Surface	1	2	09:30	09:49	22.8	7.67	24.2	6.05	2.57	3.4

TM-CLK Northern	HY/2012/08	2013-11-29 Mid-Ebb	IS15	Middle	2	1	09:30	09:49	22.9	7.7	24.7	5.91	3.25	4
TM-CLK Northern	HY/2012/08	2013-11-29 Mid-Ebb	IS15	Middle	2	2	09:30	09:49	22.9	7.71	24.8	5.89	3.29	5.2
TM-CLK Northern	HY/2012/08	2013-11-29 Mid-Ebb	IS15	Bottom	3	1	09:30	09:49	23	7.74	24.9	5.77	2.44	4.4
TM-CLK Northern	HY/2012/08	2013-11-29 Mid-Ebb	IS15	Bottom	3	2	09:30	09:49	22.9	7.76	24.9	5.79	2.48	5.1
TM-CLK Northern	HY/2012/08	2013-11-29 Mid-Ebb	SR8	Surface	1	1	10:15	10:31	22.8	7.69	24.7	6.07	4.58	6.5
TM-CLK Northern	HY/2012/08	2013-11-29 Mid-Ebb	SR8	Surface	1	2	10:15	10:31	22.7	7.71	24.8	6.09	4.63	6.6
TM-CLK Northern	HY/2012/08	2013-11-29 Mid-Ebb	SR8	Middle	2	1	10:15	10:31						
TM-CLK Northern	HY/2012/08	2013-11-29 Mid-Ebb	SR8	Middle	2	2	10:15	10:31						
TM-CLK Northern	HY/2012/08	2013-11-29 Mid-Ebb	SR8	Bottom	3	1	10:15	10:31	22.9	7.74	24.9	5.94	3.66	7.8
TM-CLK Northern	HY/2012/08	2013-11-29 Mid-Ebb	SR8	Bottom	3	2	10:15	10:31	22.9	7.76	24.9	5.92	3.71	8.1
TM-CLK Northern	HY/2012/08	2013-11-29 Mid-Ebb	SR9	Surface	1	1	09:54	10:10	22.8	7.68	24.7	6.17	3.78	5.6
TM-CLK Northern	HY/2012/08	2013-11-29 Mid-Ebb	SR9	Surface	1	2	09:54	10:10	22.9	7.7	24.8	6.15	3.8	6
TM-CLK Northern	HY/2012/08	2013-11-29 Mid-Ebb	SR9	Middle	2	1	09:54	10:10						
TM-CLK Northern	HY/2012/08	2013-11-29 Mid-Ebb	SR9	Middle	2	2	09:54	10:10						
TM-CLK Northern	HY/2012/08	2013-11-29 Mid-Ebb	SR9	Bottom	3	1	09:54	10:10	22.9	7.74	24.9	5.84	3.62	7.1
TM-CLK Northern	HY/2012/08	2013-11-29 Mid-Ebb	SR9	Bottom	3	2	09:54	10:10	22.9	7.76	24.8	5.82	3.64	8.1
TM-CLK Northern	HY/2012/08	2013-11-29 Mid-Ebb	SR10a	Surface	1	1	10:36	10:55	22.7	7.59	24.2	6.29	2.41	4.3
TM-CLK Northern	HY/2012/08	2013-11-29 Mid-Ebb	SR10a	Surface	1	2	10:36	10:55	22.8	7.61	24.2	6.27	2.47	4.9
TM-CLK Northern	HY/2012/08	2013-11-29 Mid-Ebb	SR10a	Middle	2	1	10:36	10:55	22.9	7.64	24.5	6.1	3.46	4.9
TM-CLK Northern	HY/2012/08	2013-11-29 Mid-Ebb	SR10a	Middle	2	2	10:36	10:55	22.9	7.66	24.6	6.07	3.49	4.7
TM-CLK Northern	HY/2012/08	2013-11-29 Mid-Ebb	SR10a	Bottom	3	1	10:36	10:55	23	7.61	24.9	5.89	3.19	6.1
TM-CLK Northern	HY/2012/08	2013-11-29 Mid-Ebb	SR10a	Bottom	3	2	10:36	10:55	22.9	7.63	25	5.91	3.22	4.2



Sampling Date :_	1/11/13	Weather Co	ndition: Time	Ambien	nt Temperature (°C): 27°C	Sea Conditi	ons: <u>Calm/&m</u> a	ill Wave / Great V	<u>Vave</u> Tide Mo	de: <u>Ebb Tide</u> <u>Direc</u>	ction of water current: Fron	n CS4 to CS6
Station:	CS6_		Duration:	11=55 10	12=10	Depti	n of Water (mete	r):!0.	0 .	Wet bulb calibra	tion for DO meter: _	8.41 mg/L (99.	<u>,5 </u> %
		SURFACE			MIDDLE			ВОТТОМ		DEPT	H AVERAGE	REMARK	
Depth (meter)		[,0			5.0			9.0					
Temp. (°C)	26.0	26.0	Ave.: 26,0	25,7	25/7	Ave.: 25,7	25.7	25,7	Ave.: 25,7				
pН	7,73	7,74	Ave.: 7,74	7.75	7.75	Ave.: 7,75	7,11	7.7.7	Ave. 777				
Salinity (ppt)	24,9	24,8	Ave.: 24,9	25,7	25/2	Ave.: 25.2	25,7	25/1	Ave.: 25.2				
D.O. (mg/L)	8,42	8,45	Ave.: 8,44	7.42	7,39	Ave.: 741	7.35	7,38	Ave.: 237		11 (12) 12 (13)		
D.O.S. (%)	119/2	119.6	Ave.: 19,4	104,7	104.3	Ave.: 104.5	103,9	104,3	Ave.: 104-1				
Turbidity (NTU)	1.68	7.64	Ave.: 7,66	7.17	7-12	Ave.: 715	7,39	7.36	Ave.: 7-38	7,	40		
S.S. (mg/L)	·		Ave.:			Ave.:		•	Ave.:				
Station:	SR10 (FCZ)		Duration:	12:25 10	13300	Depth	of Water (meter): 12.2	И	et bulb calibrati	on for DO meter:	8,39 mg/L (99)	7_%)
	SURFACI	E (S)	Action Limit √/A/L	MIDDI	LE (M)	Action Limit √/A/L	BOTT	OM (B)	Action Limit √/A/A	DEPTH //A/I	ACTION	LIMIT	REMARK
Depth (meter)	1.0			6	/		11.	2		AVE. VAL			
Temp. (°C)	26.0 26.0	Ave.: 26,0		25,8 25,	8 25-8		25.8 25.7	Ave.: 25-8					
pН	7,64 7,65	Ave.: 7.65		7,70 7,71	7.71		7.69 7.70	Ave.: 7.70					
Salinity (ppt)	24,9 24,8	Ave.: 74a		25,2 25,	25,2		25-2 25-	25-2					
D.O. (mg/L)	8.65 8.61	Ave.: 86.3	5.0 5.0	8/19 8/15	1 18 847	3.0 3.0 1	8.01 8.00	+ Ave.: 205	$\frac{4.7}{2.0}$ ν			A Page Object (III)	
D.O.S. (%)	122,3 ,1210			116.2 115	6 Ave.: 115,9		113.9 113.	5 7 113.7					
Turbidity (NTU)	4,51 4,57			3.5q 3.6			362 36	6 Ave. 3.64		3.93	7.5 and 120% of CS4 5,1	3 47.0 and 130% of CS.4 6.2	1
S.S. (mg/L)	:	Ave.:			Ave.:			Ave.:	15 (15 (15)	2	3.5 and 120% of CS4	34.4 and 130% of CS4	
Station:	SR8		Duration:	11=36 to	11=50	Depth	of Water (mete	r):	2	Wet bulb calibra	tion for DO meter:	8,43 mg/L (90	9.5 %
	SURFAC	E (S)	Action Limit √/A/L	MIDDI	LE (M)	Action Limit V/A/L	BOTT	OM (B)	Action Limit √/A/	DEF 111 -/11/7	ACTION .	LIMIT	REMARK
Depth (meter)	1.0						3	,2		AVE. V/A/L		State	
Temp. (°C)	26.0 26.0	Ave.: 26.0					25,7 25)	Ave.: 25,]		Carl Sec.			
рН	7.68 7.67	Ave.: 762					7.70 7.71	Ave.: 7.71					
Salinity (ppt)	25.0 25.0	Ave.: 25,0			Ave.:		25-1 25-	Ave.: 25,1					
D.O. (mg/L)	8,28 8,24	Ave.: 3.26	5.0 4.2		Ave.:	5.0 4.2	2.04 8.0	1 Ave.: 8-03	4.7 2.0			A Company	
D.O.S. (%)	117.7 117.2	Ave.: 117.5	100		Ave.:		113/6 113	1 1 1 1 2 2 .					
Turbidity (NTU)	4.97 + 92	Ave.: 4.95			Ave.:		4-64 4-6	8 Ave.: 4.66	EXECUTE AND ADDRESS OF THE PROPERTY OF THE PRO	466 1~ 1	7.5 and 120% of CS4 5-		27
S.S. (mg/L)		Ave.:		7	Ave.:		,	Ave.:			3.5 and 120% of CS4	34.4 and 130% of CS4	



Station:		SRS)		Duration:	11=12	to	11=26	Dep	th of Wate	r (meter):_	5.6				ntion for DO meter:	8,40	_mg/L (Q	8/4 %)
			SURFACE	(S)	Action Limit √/A/L		MIDDLE (N.	0	Action Limit √/A/	L	ВОТТОМ ((B)	Action Limit √/A	DEPTH	√/A/L	ACTION		LIMIT	REMARK
Depth (meter)	-		1.0								4.6			AVE.	VIAIL				
Temp. (°C)	7	25.7	25,7	Ave.: 25,				/		25.7	25/7	Ave.: 25,7							
рН	÷	7,74	7/14	Ave.:7,74				/		7.72	7/12	Ave.: 7,72							
Salinity (ppt)		24,9	24,9	Ave.: 24-0				Ave.:		45/1	25-1	Ave.: 25,1							
D.O. (mg/L)	7	7.15	7.13	Ave.: 7/14	3.0 4.2			Ave.:	5.0 4.2	7.10	1,01	Ave.: 7.09	4.7 2.0 L						
D.O.S. (%)	:	100,6	100,3	Ave.: 00.5				Ave.:		100.3	99,9	Ave.: [00-]							
Turbidity (NTU)		5/13	5,10	Ave.: 512				Ave.:		4.88	494	Ave.: 4-91		5.02		27.5 and 120% of CS4	<u> </u>		27
S.S. (mg/L)	:			Ave.:				Ave.:				Ave.:				23.5 and 120% of CS4	34.4 and 1	30% of CS4	<u> </u>
Station:		<u>IS</u>	715		Duration:	0=52	to	11=07	De _I	oth of Wate	er (meter):_					ation for DO meter: _	8,48	mg/L (19.6 %)
			SURFACE	(S)	Action Limit √/A/L		MIDDLE (N	1)	Action Limit √/A	L	ВОТТОМ	(B)	Action Limit √/A	1/L DEPTH	√/A/L	ACTION		LIMIT	REMARK
Depth (meter)			1-0				5/4				9.8	,		AVE.	177713				
Temp. (°C)	1	25.7	25.7	Ave.: 25,7		25,7	25,7	25.7		25,6	254	Ave.: 25-6							
рН	-	7.70	7.71	Ave.: 771		7.15	7.74	7.75		7.75	7.75	Ave.: 1,75						441	
Salinity (ppt)	:	25/1	25/	Ave.: 25,1		25.2	25,2	Ave.: 25,)		25,3	25/3	Ave.: 25,3							
D.O. (mg/L)	1	6.89	6.85	Ave.: 6.87	7 5.0 4.2	6.88	6.84	Ave.: 6.86	5.0 4.2	666	6.64	Ave.: 6.65	1 1 1						
D.O.S. (%)	1	97.4	96,9	Ave.: 97.2		96.9	96,4	Ave. 96.7		94,1	93/8	Ave.: 94,0				27.5 112004 5004	170 1	130% of CS4	
Turbidity (NTU)	;	610	6.03	Ave. 6-07		5.56	5.52	Ave.: 5,54	r en la la	5-60	5.54	Ave.: 55.7		5/73	<u> </u>	27.5 and 120% of CS4 5 J 23.5 and 120% of CS4	7	30% of CS4	27
S.S. (mg/L)	:	,		Ave.:				Ave.:				Ave.:				25,5 and 120% of C54	34.4 and	30% of C34	
Station:		<u>IS I</u>	13		Duration:_	10=	3 <u>2</u> to_	10:47	D	epth of Wa	ater (meter)	11-6		Wet bul	b calii	pration for DO meter:	8,4:	mg/L (0	19.7 %
			SURFACE	: (S)	Action Limit √/A/I		MIDDLE (1	м)	Action Limit √/A	/L	ВОТТОМ	(B)	Action Limit $\sqrt{/}$	DEPIH	√/A/L	ACTION		LIMIT	REMARK
Depth (meter)	:		1.0				5.8				10.6) }		AVE.					
Temp. (°C)	:	25/6	25.7	Ave.: 25,7		25/7	25,7	25,7		25.6	25.6	Ave.: 25-6							
рН	:	7.69	7.70	Ave.: 770		7/12	7,72	7.12		1.14	7.74	Ave.: 7.74							
Salinity (ppt)	:	25.0	250	25,9		250	25.0	Ave.: 25-0		25.0		Ave.: 25,0							
D.O. (mg/L)	:	7.22	1-25	Ave.: 7.24	. 3.0 4.2 V	7.37	7,40	Ave.: 7.39	5.0 4.2	7.32	7.35	Ave.: 7.34	GEOGRAPHICA CONTROL CONTROL CONTROL						
D.O.S. (%)	:	101-9	102,4			104/0	1044	Ave.: 104-3	2	103-3	103,7	Ave.: 103.5	100000000000000000000000000000000000000			/27.5 and 120% of CS4	47.0 and	130% of CS4 ,	
Turbidity (NTU)	1 :	4,89	4.93	Ave.: 4,91		4/12	4,73	Ave.: 474		6.07	6.09	Ave.: 6.0%		5.24	~	23.5 and 120% of CS4	78	130% of CS4	~긔 /
S.S. (mg/L)]:			Ave.:				Ave.:				Ave.:				25.5 una 120% uj C54	54.4 unu	1307001 (37	

Tuen Mun – Chek Lap Kok Link – **Northern**



Station:		<u>IS</u>	12		Duration:	10=12	to	10=27	De,	oth of Wat				Wet bulb cal	ibration for DO meter:	8,45	mg/L (_		%)
			SURFACI	E (S)	Action Limit √/A/L		MIDDLE (1	M)	Action Limit √/A	/L	BOTTON	1 (B)	Action Limit √/	DEL III	ACTION		LIMIT	RI	EMARK
Depth (meter)	-		1.0				7,5				14.0			AVE.			1	6	
Temp. (°C)	;	256	25.6	Ave.: 256		25-6	258	254		25/6	25-6	Ave.: 256							
рН	:	7.60	7.61	Ave.: 761		7.64	7.64	7.64		768	7.68	Ave.: 768							
Salinity (ppt)	:	24.8	24,7	Ave.: 24-8		24,9	240	Ave. 24,9		24,9	24.0	Ave.: 24-9							
D.O. (mg/L)	:	7,76	7,73	Ave.: 7,75	5.0 4.2	7.34	7.36	Ave.: 7.35	5.0 4.2	7.32	7.29	Ave.: 7.31	4.7 2.0	\checkmark					
D.O.S. (%)	;	109,4	109.0	Ave.: 109-2		103.5	103.8	Ave. 103.7		103.2	102,8				67.5 11200/ 500/	47.0	12000		
Turbidity (NTU)	:	4.38	4,35	Ave.: 4,37		3,34	3,30	Ave.: 3.32		4,28	4.2)	Ave.: 4,25		398 -		2(8)	130% of CS4	6,27	
S.S. (mg/L)	:			Ave.:		,		Ave.:				Ave.:			23.5 and 120% of CS4	1	30% of CS4		
Station:		IS	14		Duration:	9=52	to	10=08	De	pth of Wai				Wet bulb car	ibration for DO meter:	8,38	mg/L (_	100,8	%)
			SURFAC.	E (S)	Action Limit √/A/L		MIDDLE (I	····	Action Limit √/A	/L	BOTTO	Л (B)	Action Limit √/	DEFIII J/	ACTION		LIMIT	Ri	EMARK
Depth (meter)	:		1.0				8,	~			16,	<u> </u>		AVE.	36,275,774				
Temp. (°C)	:	25,7	45/1	Ave.: 25,7		25.6	25,6	256		25.6	256	Ave.: 25.6				200 22			
pН	:	7.50	7.52			764	7.64	7.64		7.65									
Salinity (ppt)	:	25.0	25.0	Ave.: 25.0		25/2	25.2	Ave.: 25.2		25,4	25,4								
D.O. (mg/L)	1	7.36	7,40	Ave.: 7-38	5.0 4.2	7.17	7,19	Ave.: 7/8	5.0 4.2	6,81	635		4.7 2.0	$\mathcal{A} = \mathbb{R}$					
D.O.S. (%)	1	In3/8	104.4	Ave.: jotal		101,4	FLOI	Ave.: 10/16		96,2	96,8					17.0	130% of CS4		
Turbidity (NTU)	1	4.01	1 ' '	Ave.: 4-03		4,37	4,35	Ave.: +36		3.84	3,80			4.07	27.5 and 120% of CS4 5		130% of CS4	6-27	
S.S. (mg/L)	1			Ave.:		•		Ave.:				Ave.:			23.5 and 120% of CS4	34.4 ana	130% 0J C34		
Station:CS	4(U)	pstream (Control St	ation)	Duration:	9-30	to	9=47	De	epth of Wa	ter (meter): <u> </u>		Wet bulb ca	libration for DO meter:	8-46	mg/L (99,9	%)
				SURFACE				MIDDLE				ВОТТОМ			DEPTH AVERAGE		REM	ARK	
Depth (meter)		:		1.0				11.0				21.0							
Temp. (°C)		2	5-4	25,4	Ave.: 25.4	25	6	25%	Ave.: 25/	2 2	5,6	25/6	Ave.: 250	100000000000000000000000000000000000000					
рН		: 7	-48	7,47	Ave.: 7,48	7.5	2	7,51	Ave.: 7-52		750	7,50	Ave.: 7,50		ti kaling beratua				
Salinity (ppt)		2	3-0	23,0	Ave.: 23.0	24/6		245	Ave.: 24	, 2	4,3	24.8	Ave.: 24-2						
D.O. (mg/L)		: ;	129	8.25	Ave.: 8,27	7,5	5	7,58	Ave.: 7/5	7.	.40	7.37	Ave.: 7.49				00/	130	10/
D.O.S. (%)		:	146	114,1	Ave.: 114,4	106.	1	106-6	Ave.: 106.4	- 10	4,1	103.7	Ave.: 1039		i produce de la companya de la comp		0%		
Turbidity (NTU)		: 4	·.04	4.09	Ave.: 4.07	4,4	9	4.56	Ave.: 4.5	3 5	,89	5.85	Ave.: 5,8	1 -	1-82	5.	78	6.2	7
S.S. (mg/L)		:	T		Ave.:		`		Ave.:		.		Ave.:						
Any notable	disc	coloratio	n of wate	r?Y/(1) If y	es, elaboration i	s as follo	ws:												
Any notable	ooll	lutant by	others ne	ear monitorin	g site ? Y /🐚 If	yes, elab	oration i	is as follow	s :										
Field Ope	Id Operator Stak 10 2 W.			10 i 11/2.	Ch	ecked by					Labora	ory Staff			Checked by	v			
Date	Date Vak 182 W			-/>-/		Date					D	ate			Date				



Sampling Date: 1 2013 Weather Condition: The Ambient Temperature (C): 26 Sea Conditions: Calm/Small Wave/Great Wave Tide Mode: Flood Tide Direction of water current: From Station: CS6 (Upstream Control Station) Duration: 15:32 to 15:47 Depth of Water (meter): 10.8 Wet bulb calibration for DO meter: 239 mg/L (Suppose Suppose	n CS6 to CS4
SURFACE MIDDLE BOTTOM DEPTH AVERAGE REMARK	(C) (C)
SURFACE MIDDLE BOTTOM DEPTH AVERAGE REMARK	17.7 %)
Depth (meter) : 10 Sr4	
Temp. (C) : 76.1 76.1 Ave.: 76.1 259 25.9 Ave.: 259 25.8.25.9 Ave.: 259	
PH 7.75 775 Ave. 7.18 7.72 Ave. 7.73 7.74 7.74 7.74 Ave. 7.14	
Salinity (ppt) : 24.8 24.8 Ave.: 24.8 25.0 24.9 Ave.: 25.1 25.0 Ave.: 25.1	
D.O. (mg/L) 8.40 8.38 Ave.: 839 7.14 7.76 Ave.: 7.15 7.64 7.60 Ave.: 7.62	
D.O.S. (%) 189 186 Ave.: 1095 1098 Ave.: 1097 108, 107, 6 Ave.: 107, 9	130%
Turbidity (NTU) 7,77 7,76 Ave.: 7,74 7,24 7,29 Ave.: 7,26 7,40 7,48 Ave.: 7,48 8,98	9.72
S.S. (mg/L) : Ave.: Ave.:	
Station: SR10 (FCZ) Duration: 16=02 to 6=17 Depth of Water (meter): 12.8 Wet bulb calibration for DO meter: 3:10 mg/L (19.8 %)
SURFACE (S) Action Limit \(\sqrt{A/I}\) MIDDLE (M) Action Limit \(\sqrt{A/I}\) BOTTOM (B) Action Limit \(\sqrt{A/I}\) DERTY ACTION LIMIT	REMARK
Depth (meter) 10 Port VAL	
Temp. (C) 7 (n) 26,1 Ave. 76,1 259 259 259 259 259 259 259 4ve. 759	
pH 773 7.73 Ave. 7.73 7.69 7.69 7.60 7.60 Ave. 7.60	
Salinity (ppl) 249 249 Ave. 749 250 250 Ave. 250 250 4ve. 250	
D.O. (mg/L) 8,54850 Ave. 8.52 5.0 5.0 V 8,08 8,10 Ave 8,09 5.0 5.0 V 8,12 8,14 Ave. 3,13 4.7 2.0 V	
DOS (%) 1209 1703 Ave.; 1706 1144 147 Ave.; 1/h/	
Turbidity (NTU) 450 447 Avery 49 404 406 Avery 505 384 380 Ave. 382 412 V 27.5 and 120% of CS6 898 47.0 and 130% of CS6 9	2/
S.S. (mg/L) Ave.: Ave.: Ave.: Ave.: 4.4 and 130% of CS6	1
Station: SR8 Duration: 16:52 to 17:06 Depth of Water (meter): 48 Wet bulb calibration for DO meter: 8.41 mg/L (9.6 %)
SURFACE (S) Action Limit V/A/L MIDDLE (M) Action Limit V/A/L BOTTOM (B) Action Limit V/A/L DEPTH J/A/I ACTION LIMIT	REMARK
Depth (meter)	
Temp. (°C) 76,1 26, Ave. 26, 1	
PH 7.70 7.71 Ave. 7.71 7.68 7.68 7.68	
Salinity (pp1) 25.0 25.0 Ave. 25.0 Ave. 25.0 Ave.: 25.1 25.1 Ave.: 25.1	
D.O. (mg/L) 8.36 8 34 Ave.: 8.35 5.0 4.2 \ Ave.: 5.0 4.2 \ 8.11 8.13 Ave.: 8.14 4.7 2.0 \	
D.O.S. (%) 1/8,3 1/8,1 Ave.: 1/8,2 Ave.: 1/8,2	
Turbidity (NTU) : 486 490 Ave.: 488 4 488 4 488 4 470 479 Ave. 470 479 Ave. 470 479 Ave. 470 470 Ave. 470 Ave. 470 Ave. 470 470 Ave.	13)
S.S. (mg/L) Ave.: Ave.: 23.5 and 120% of C86 34.4 and 130% of C86	



			7:16 to 17:	51	£.6) TTT - 1 11	111 11 C DO	8,39 mg/L	(98.3 %)
tation:	SR9	· · · · · · · · · · · · · · · · · · ·			th of Water (meter):	1	alibration for DO meter: ACTION	LIMIT	(S.) /0) REMARK
	SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit √/A/	BOTTOM (B) 4- X	Action Limit V/A/L DEPTH AVE.	//A/L	Elim	A SASTINE
Depth (meter)	10/2/11/2/0							10 K	
emp. (°C)	260 26.0 Ave. 26.0				26.0 25.9 Ave. 26.0	A DESCRIPTION OF THE PROPERTY			
Н	7.76 7.76 Ave. 7.76	3 10			7.74 7.74 Ave.: 7.74				
alinity (ppt)	25 1 25 1 Ave 25 1		Ave.:	50 43	25,1 25,1 Ave 25,1	4.7 2.0 /			
).O. (mg/L)	8 40 8,34 Ave 8,37	5.0 4.2	Ave.:	5.0 4.2	8.39 838 Ave.: 839	7.7 2.0 1			
O.O.S. (%)	19.0 118.3 Ave. 118.		Ave.:		1188 [186 Ave.] 18.7	7	27.5 and 120% of CS6	8.98 47.0 and 130% of C	X46-5
urbidity (NTU)	458 460 Ave. 459		Ave.:		4.85 4.88 Ave. 4.8	4:73	23.5 and 120% of CS6	34.4 and 130% of C	1777
.S. (mg/L)	: Ave.:		Ave.:		Ave.:				The same of the sa
tation:	IS15	Duration:	7:36 10 17:	<u>51 </u>	oth of Water (meter): 11.1	Wet bulb o	calibration for DO meter	: <u>8,42</u> mg/L	. (99,4
	SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit √/A	L BOTTOM (B)	Action Limit √/A/L DEPTH	ACTION V/A/L	LIMIT	REMAR
epth (meter)	10		5.6		10.2	AVE.			
emp. (°C)	260260 Ave. 260		25.9 25.9 25.9	7	25.9 25.9 Ave. 25.9				
Н	7.72 7.72 Aven 7.72		7.71 7.71 7.7		7,74 7,74 Ave. 7,14				
alinity (ppt)	2500 25 @ Ave. 25.0		25,0 25,0 Ave. 25	0	25.0 25.1 Ave.: 25.			7 60000	
.O. (mg/L)	775 776 AVE7.76	5.0 4.2	757 755 Aver7,5	5.0 4.2	7,60 7,55 Ave. 7,58	CONTRACTOR OF THE PROPERTY OF			
D.O.S. (%)	109,1 110,0 Ave. 1001		107.3 107.0 Ave. 101	72	107.8 106.17 Ave.: 107.	The second secon	1 27 5 mm 1 2007 of CSA	# 17.0 and 13.0% of (70/2
Surbidity (NTU)	482 480 Ave. 481		5.78 S.76 Ave. 5.7	77	7:15 7:10 Ave.:71	3 5.90	27.5 and 120% of CS6 23.5 and 120% of CS6	47.0 and 130% of C	1014
S.S. (mg/L)	: Ave.:		Ave.:		Ave.:		7.		
tation:	<u>IS13</u>	Duration:	17:56 10 18:	Î D	epth of Water (meter):	- Wet bulb	calibration for DO mete	er: <u>\$,43</u> mg	12 (99.6
	SURFACE (S)	Action Limit V/A/L	MIDDLE (M)	Action Limit √/A	I/L BOTTOM (B)	Action Limit $\sqrt{A/L}$ DEPTH	ACTION √/A/L	LIMIT	· REMAI
Depth (meter)	1,0		519		10.8	AVE.		Andrew States	
emp. (°C)	26.2 26.1 Ave. 26.2		26.0 26.0 26.0		259 259 Ave. 25.9				
Н	7.70 7.71 Ave. 7.71		7,73 7,73 7,7	3	110 100 150	6 20 10 10 20 20			
alinity (ppt)	24.5 24.5 Ave. 24.5		246 246 Ave. 24		246 247 Ave 247	34 3 34.5	er interes		
D.O. (mg/L)	8,20 8,22 Ave. 8,2	5.0 4.2	8,01 8.06 Ave. 8.0		17.92 7.94 Ave. 7.9:				
D.O.S. (%)	16.6 16.9 Ave.:116.8			3.6	112.0 112.6 Ave. 1/2,			7.0	684
Turbidity (NTU)	487 438 Ave. 48		5.06 5.12 Ave. 5.	[0]	6.71 6.75 Ave.: 60	13 - 15 557	27.5 and 120% of CS6		1/1/4
S.S. (mg/L)	: Ave.:		Ave.:		Ave.:		23.5 and 120% of CS6	34.4 and 130% of	CSO

Tuen Mun – Chek Lap Kok Link – **Northern**



Station:	IS12	Duration: 18:16	10 (8:30	Depth of Water ((meter): [5,8]	Wet bulb calibrat	ion for DO meter: _ 🖔 :	48 mg/L (90	7,8 %)
Cianon.	SURFACE (S)			<u>-</u> -	BOTTOM (B)	Action Limit V/A/L DEPTH	ACTION	LIMIT	REMARK
Depth (meter)	L. D		7.9		14:8	AVE. V/A/L	e de la companya de		
Temp. (°C)	259 25.9 Ave. 25.9	25.8	5.8 25.8	25.8	25.7 Ave. 25.8				
рН	7.69 7.68 Ave.7,69	7.59	7.60 7.60	7.70	7.71 Ave.: 7.71				
Salinity (ppt)	24.3 24.4 Ave. 24.4	243	14.3 Ave.: 243	24.4	244 Ave. 244				
D.O. (mg/L)	8.03 8.05 Ave. 8.04	5.0 4.2 1 8.01 3	0,04 Ave. \$.03 5.0	4.2 V 8,50	796 Ave 7.98	4.7 2.0			
D.O.S. (%)	113.4 1140 Ave. 113.9	113.1	139 Ave. 125	130	1124 Ave. 112.7				
Turbidity (NTU)	: 491 493 Ave.: 492	6-83	6.82 Ave.: 6.83	706	7.10 Ave. 7.08	0-0 V	7 898	7.0 and 130% of CSO 9.7	2
S.S. (mg/L)	: Ave.:		Ave.:		Ave.:		1.5 and 120% of CS6 34	.4 and 130% of CS6	
Station:	<u>IS14</u>	Duration: 18:3	10 18:49	Depth of Water			ion for DO meter:8	39 mg/L (_9°	7.9 %)
	SURFACE (S)	Action Limit $\sqrt{A/L}$ M	IDDLE (M) Action	Limit √/A/L	BOTTOM (B)	Action Limit V/A/L DEPTH V/A/L	ACTION	LIMIT	REMARK
Depth (meter)	1,0		9.2		17.4	AVE. VIAIL			
Temp. (°C)	26,0 26-0 Ave. Z6.0	26,0	26.0 26.0	925	25.9 Ave.: 25.9				
рН	1.70 7.70 Ave. 7.70	7.78	7,77 7,78	7.94	7,95 Ave. 7.95		20057802		
Salinity (ppt)	1 24.9 24.9 Ave. 74.9	25.D	25.1 Ave.: 25.1	25,2	25.2 Ave.: 25.4				
D.O. (mg/L)	1,42 7.40 Aver 45	5.0 4.2 / 7,02	7.09 Ave. 7.06 5.0	4.2 / 7.13	7,18 Ave.: 7,16	4.7 2.0			
D.O.S. (%)	105.9 1063 Ave. 106x		100 5 Ave. OD	101.0	[0[8 Ave.: 10].4	· Asserted	7.5 J 12000 - CCSC - J (7.0 and 130% of CSO 0	and an inches
Turbidity (NTU)		5,92	5.97 Ave. 595	104	7.08 Ave. 7.06	V <€0	1 10,78	7.0 and 130% of CS6 9.7 1.4 and 130% of CS6	'4
S.S. (mg/L)	Ave.:		Ave.:		Ave.:		The same of the sa	· Vanaration	
Station:	CS4	Duration: 18:53	10 19:02	Depth of Water					<u>(00 %)</u>
	SURFACE		MIDDLE		BOTTOM	DEP1	H AVERAGE	REMARK	
Depth (meter)	1,0		1112		2/14	1 dya : 3 (7			
Temp. (°C)	76.2 26.1	Ave.: 26,2 26.		263 26	1	Ave.: 26,3 Ave.: 7,9	100		
pН	7,12 77	Ave.: 7.12 7.6	\$ 7.69 Ave	1517 1 1676		Ave.: 7.9			
Salinity (ppt)	23.2 23.3	Ave.: 233 23:		1.3:11 123	70 70	431 231			
D.O. (mg/L)	8,42 8,43		3 1.01		74 7,12	1(12)	Control of the		
D.O.S. (%)	118.7 11819		(1 10 / 2		9.6 1094				
Turbidity (NTU) S.S. (mg/L)	4,77 4,70	Ave.: 4. 78 5.18	5.12 Ave	<u> </u>	2 5.86	Ave.: 5.84 5.2 Ave.:	. •		
L	discoloration of water ? 🗸 🕦 If	ves elaboration is as follow							
	pollutant by others near monitori						÷		
Field Ope		Checked by			Laboratory Staff		Checked by		
Date					Date		Date		-



lation:		-11-7013 -CSG- CS	,			to [43]		sed Condi h of Water (mei				ibration for DO meter:	ection of water current: $9.31 ma/L$	
<u> </u>			SURFACE	Duration		MIDDLE	Бери	Toj water (met	BOTTOM			PEPTH AVERAGE	REM.	
Pepth (meter)	1:		1 0			17			10-4			2		
emp. (°C)	1	25.4	25.4	Ave.: 25.4	25,4	25-4	Ave.: 254	25-4	25.4	Ave.: 254				
Н	:	7.61	7.55	Ave.: 7.58	7-44		Ave.:7.46	7,74	7,27	Ave.: 7 26				
llinity (ppt)	1	25,8	2557	Ave.: 25.9	24-8	25,8	Ave.: 35 8	25.9	25,9	Ave.: 25.9				
O. (mg/L)	1	6.34	6.28	Ave.: 631	borr	6,24	Ave.: 6. V3	6.14	6.13	Ave.: 6,14				
.O.S. (%)	-	89.1	89.4	Ave.: 89.8	87.6	28.0	Ave.: 37.8	954	85.2	Ave.: 8/3				
urbidity (NTU)	1	473	881	Ave.: 9.27	6.92	J. (6)	Ave.: 6,24	4.36	5.03	Ave. 4.70.		6.74		
S. (mg/L)				Ave.:			Ave.:			Ave.:				
ation:		SR10 (FCZ)		Duration:	14245	to (1) 00	Depth	of Water (mete	r): idr	6 и	et bulb calil	bration for DO meter:	9.28 mg/L (_	99,50
		SURFACE	· (S)	Action Limit √/A/L		DDLE (M)	Action Limit √/A/L	BOT	ГОМ (В)	Action Limit √/A/I	DEPTH AVE. √/A	ACTION	LIMIT	REMAI
epth (meter)		[10				813			166		AVE.			
emp. (°C)	-	25.4 754	Ave.:	1	21:4 3	154 754		353 25						
Ч		6,68 672	Ave. ; 70			105 673	2	6-83 68	J- Ave.: 6.85					
alinity (ppt)		25.9 25.9	Ave.			26. (Ave.: 76.1		26.1 26		/ 17 20				
.O. (mg/L)		5.99 5.96		5.0 5.0	5.98 6	103 Ave.in	5.0 5.0	590 58	8 Ave.: 5-87	4.7 2.0				
O.S. (%)		847 84.2				35-3 Ave. 8170		93.4 33				/ 27.5 and 120% of CS4	47.0 and 130% of CS	
urhidity (NTU)	-	496 6-23	Ave. 5-60		462 4	492 Ave. 4.78		506 W	14 TOO		1:13 -	23.5 and 120% of CS4	7-5 47.0 and 130% of CS	147. c
.S. (mg/L)			Ave.:			Ave.:			Ave.:			23.5 and 120% of C34	34.4 and 130% bj CS	
tation:		SR8		Duration:	14203	10 142	Dept	h of Water (mei	'er): 4			ibration for DO meter: _	8,33 mg/L(98.7
		SURFACI	E (S)	Action Limit √/A/L	М	IDDLE (M)	Action Limit √/A/L	ВОТ	TOM (B)	Action Limit √/A/	DEPTH V/	ACTION	LIMIT	REMA
epth (meter)		1:0						3.	6		AVE.			
emp. (°C)		25.4 25.4	Ave.			/		364 N	Ave.:					
Н	-	7-76 7-77	Ave.:			/		7-67 7.	18 Ave.: 7.68					
alinity (ppt)	-	23-6 2576	Ave.: 2576	50 43		Ave.:	50 (3		6 Ave.: 7506	47 30	4			
.O. (mg/L)		6.36 6.34		5.0 4.2		Ave.:	5.0 4.2		.47 Ave.: 6146	, 4.7 2.0				
.O.S. (%)		897 993	Ave. 99.5		4	Ave.:		Poef 91				/ 127.5 and 12004 of CCC4	47.0 and 12004 cf.Cl	
urbidity (NTU)		I78 749	Ave. 5-63			Ave.:		412 4	(43 Ave. 4.53		1.08/	/ 27.5 and 120% of CS4 2	7. 47.0 and 130% of CS	1470

Impact Water Quality Monitoring - Data Record Sheet (Ebb Cor. tion)



Station:		SR9			Duratio	on:	[323]	b_10_	1325	- (Dept	h of Water	" (meter):_	5-8	и	et bulb o	calibri	ation for DO meter:	8.36	mg/L (99,	8 %)
	_		SURFACE ((S)	Action Limit	VIAIL		MIDDLE (N	1)	Action	Limit √/A/L	,	воттом	(B)	Action Limit √/A/L		/	ACTION		LIMIT		REMARK
Depth (meter)	4		1.6										408	3		AVE.	√/A/L					
Temp. (°C)	-	25.4		Ave 154								2574	3574	Ave.: 25.4								
pН	-	8-54	8.36	Ave 3,25								8,45	8.42	Ave Graf								
Salinity (ppt)		D>76	2576	Ave.: 25/6					Ave.:			<i>767</i>	2508	Ave.: 25,8								
D.O. (mg/L)	•	6,68	6.62	Ave.	5.0 4.2				Ave.;	5.0	4.2	6.41	10-51	Ave.: 6.48	4.7 2.0 \(
D.O.S. (%)	:	93.8	93,2	Ave.: 03-5			/	/	Ave.:			902	99.3	Ave.: 93.レ								
Turbidity (NTU)	:	366	357	Averig 13					Ave.:			3.65		Ave.; 15		3.64	\checkmark	27.5 and 120% of CS4	75 47.0 and	130% of CS4	4).0	
S.S. (mg/L)	:			Ave.:					Ave.:					Ave.:				23.5 and 120% of CS4	34.4 and	130% of CS4		
Station:		<u>IS.</u>	15		Duratio	on:	13714	to	1323	0	Dep	th of Wate	r (meter):	100	}	Vet bulb	calibr	ation for DO meter:	83	mg/L (_	99	.4 %)
			SURFACE	(S)	Action Limit	√/A/L	1	MIDDLE (1	<i>A</i>)	Action	Limit √/A/I		ВОТТОМ	(B)	Action Limit √/A/L	DEPIH	√/A/L	ACTION		LIMIT		REMARK
Depth (meter)	-		001					1.4					9.8	<i>•</i>		AVE.	VIAIL					
Temp. (°C)	:	2514	がよ	Ave.:			っから	2074	15rf			11514	1/2-3	Ave.:)454								
рН	:	8,24	8.27	Ave. 9. + 6			8.36	8027	8,29			8.34	833	Ave.: 854								
Salinity (ppt)	-	25/6	25.6	Ave.: 2700			2576	1576	Ave.:			2476	1506	Ave.: >5 6		, j						
D.O. (mg/L)	-	6.50	1.16	Ave.: 7.49	5.0 4.2	$ \vee $	643	645	Ave.: 6.44	-	4.2	6.37	129	Ave.: 1. 29	4.7 2.0							
D.O.S. (%)		91.9		Ave. G			909	9101	Ave. 7(, 0			59 A	90.2	Ave.: (0 - (
Turbidity (NTU)	•	481		Ave 450		1	503	5/08	Ave. 4.91			3,35	3,26	Ave.: 3,41		427	\checkmark			1 130% of CS4	ψ), e	
S.S. (mg/L)	-			Ave.:					Ave.:					Ave.:				23.5 and 120% of CS4	34.4 and	130% of CS4		
Station:		<u>IS1</u> .	3		Durai	tion:	17-5	<u>50</u> 10_	13:	07	_ De	pth of Wa	ter (meter)	: (10°	レ	Wet bul	b cali	pration for DO meter	: 8,2	7 0 mg/L (99	2 t %
			SURFACE	(S)	Action Limit	√/A/L		MIDDLE (I	M)	Action	n Limit √/A/	L	ВОТТОМ		Action Limit √/A/	DEPIH	√/A/L	ACTION		LIMIT		REMARK
Depth (meter)	-		(0					5-6	,				1 De :			AVE.	VIAIL					
Temp. (°C)	-	7h14	25,4	Ave. 15,4			24.4	V5.4	25.4			ンをく	253	Ave.:								
pН	-	8:02	Day	Ave. 8,03			8-14	11.8	817			8'72	8.2	AVE. 9125								
Salinity (ppt)	-	3776		Ave. 557 (The second second	2506	25%	Ave.:			27/6	25.7	Ave.:								
D.O. (mg/L)	-	649		Ave.: 6.50	5.0 4.2		6-41	1,29	1 40) 3.0	4.2	6.30	1.19	Ave.:	4.7 2.0					1		
D.O.S. (%)	:	917	920	Ave. 9(.9			90.8	90.2	Ave.: 70.5			88.8	88.4	Ave.: 88.6								
Turbidity (NTU)	_	3,22	3,44	Ave.: 3.33			4,09	3.74	Ave. 3-92			33	479	406		3.77		27.5 and 120% of CS4	7.5 47.0 and	1 130% of CS4	4700	
S.S. (mg/L)	:			Ave.:					Ave.:				77.4	Ave.:				23.5 and 120% of CS4	34.4 and	130% of CS4		



Station:		<u>IS12</u>	?	_ Durat	tion:	14-27	10_17543	Depti	h of Water ((meter):	14:	/		alibrati	on for DO meter:	941 mg/L(99.4 %)
			SURFACE (S)	Action Lim	ii V/A/L	MID	DLE (M)	Action Limit √/A/L	В	OTTOM (B)		Action Limit \sqrt{A}	L DEPTH	,	ACTION	LIMIT	REMARK
Depth (meter)	:		. Îco			ing.	1.3			13-6			AVE.	/A/L			
Temp. (°C)	:	25.4	75.4 Averis,			75.4 75	1.4 1514		75.14 7	DY AV	e5574						
рН	:	8-38	8-35- Ave. 3:2	7 6		3.41 81	44 8143		243		1e.:8,44						¥.
Salinity (ppt)	:	25/6	ンガ・6 Ave.:	6		35 b 30	Ave;5.7		25.7	"You Av	e.: 557						No.
D.O. (mg/L)	;	Lieb	1249 Ave. 6.4	9 5.0 4.2	2 🗸	,	50 Ave. 6-51	5.0 4.2 🗸	6,40	CILZ AV	e.: 6.41	4.7 2.0			1000	Selection of the second	
D.O.S. (%)		91,0	91.6 Ave.: 91	3		91.9 9	1.5- Ave.:417		90-4	90.7 Av	e.: Po-6						
Turbidity (NTU)	:	3.57	3.56 Ave. 3.5			3.23 3			2,14	14 & AV	re.: 3.91	100	3.65	v	.5 and 120% of CS4	47.0 and 130% of CS4	\$>~a
S.S. (mg/L)	;		Ave.:				Ave.:			Αν	re.:			23.	.5 and 120% of CS4	34.4 and 130% of CS4	
Station:		<u>IS1</u>	1	Dura	tion:	12-03	10 12 120	Dept	h of Water ((meter):	16,8	<u> </u>	Wet bulb c	alibrati	ion for DO meter:	<u>8 138 mg/L (</u>	<u> </u>
]	SURFACE (S)	Action Lin	iit √/A/L	MID	DLE (M)	Action Limit √/A/L	E	BOTTOM (B)		Action Limit √/A.	L DEPTH	// 4/1	ACTION	LIMIT	REMARK
Depth (meter)	:		[<0	46.7			34			1528		100	AVE.	//A/L		SECTION SECTION	
Temp. (°C)	:	25.4	255 Ave. 25	5 45 5		72.2 7	55 25.5		25.5	Lt74 AV	re. 25.4						
рН	:	8,43	8:40 Ave. 8.2	(2)		8,44 8.	45 8.45		8,41	8,43 AV	re. 8.42					3.00	
Salinity (ppt)	:	257	257 Ave. 25	7		75-7 V	. & Ave.: 3526		7:-15	25-6 AV	re.: 757					100	
D.O. (mg/L)	-	619	6:23 Ave. 6:	5.0 4	2 🗸	6,27 6,	24 Ave. 6.26	5.0 4.2	1.4.1	605 AV	re.: 6-24	4.7 2.0					
D.O.S. (%)		87. i	87.5 Ave. 81.	3		88,1 8	17 Ave 87. P		87,4		re: 87-6						
Turbidity (NTU)		1,7	4,64 Ave 4.6	14 15 15		Fine 4	9P Ave Juli		3.94	497 AV	ie4,41		482	√ _		47.0 and 130% of CS+	47.0
S.S. (mg L)	:		Ave.:			9	Ave.:	The state of		Av	re.:			23	.5 and 120% of CS4	34.4 and 130% of CS4	
Station: <u>CS4</u>	<u>(U)</u>	ostream Co	ontrol Station)	Duratio	on:	(:40	to [(=55	Dep	th of Water	(meter):	210	4	Wet bulb	calibrai	tion for DO meter:		<u>99.6</u> %)
			SURFA	CE			MIDDLE			В	ОТТОМ			DEPT	H AVERAGE	REM	'ARK
Depth (meter)		:	\ c\$				10.7				20.4	, T			e se mante de la company		
Temp. (°C)		25	75	8 Ave.:	>5-8	25.7	207	Ave.:)517	15-1	-	25-6	Ave. 706					
pΗ		. 8	39 21	f Ave.: 8	140	8.43	8,40	Ave.: 8,42			8-45	Ave.: 846					
Salinity (ppt)		25	-3 25	3 Ave.:	25.3	75.3	25.4	Ave.: >514	25.5		71-15	Ave.: 25.5					
D.O. (mg/L)		: (,	65 67	O Ave.:	6,68	6,64	しか了	Ave.: 6-60	6,5	0 1	6.46	Ave.: 6:48				7200/	1300/
D.O.S. (%)	\prod	: 9.	3.50 94	lo Ave.:	74.2	P3.6	8,49	Ave.: 03,2	917		9(,2	Ave.: 91,5			- '	120%	130%
Turbidity (NTU)		t	40 61	Ave.:	652	6,5	1 7.30	Ave.: 69i	73	9 8	80	Ave.: 8,05			.16	8,59	9.31
S.S. (mg/L)			, ,	Ave.:				Ave.:		. 1		Ave.:					
Any notable of	lisc	coloration	of water ? Y / N	lf yes, elabo	oration is	s as follows:											
Any notable p	olli	utant by o	thers near monite	oring site?	}/pc)f.	yes, elabora	tion is as follows	s:									
Field Oper	ato	or	le une la	1000	Che	ecked by	de	0	La	aboratory S	Staff	<u> </u>			Checked by		
Date	1 1 1 1 1000					Date	4/1	1/12		Date			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Date		



tation: <u>CS6 (</u>	Upstream	Comrois	SURFACE	Duration:_	17:08	to <u>\</u>	Dep	th of Water (bration for DO meter:	<u>831 </u>	mg/L (3
Pepth (meter)	:								ВОТТОМ		DE	EPTH AVERAGE		REMAI	RK	
emp. (°C)	: 7	5.5	10	Ave.:		5.9	Ave.:		10.8	Ave.:						
· ·	: [25.6	Ave.:		<u> 26A</u>	25.5 Ave.:	25.3	25.4	15A				İ		-
linity (ppt)	:	64	7.58 	Ave.:	7.47	7.52	Ave.:	7.2.7	7,30	7,29 Ave.:		fig.				
7. (mg/L)		5.7	25.8	25.P			25.8 Ave.:	25.8	25.9	25.8 Ave.:						
D.S. (%)		143	6.37	Ave.:	6.31	6,33	6.32 Ave.:	6.23	6.22	6.33 Ave.:			12	20%	130	0%
bidity (NTU)		0.4	89.7	4ve.: 901	<u>883</u>	1	Ave.:	36,6	86.5	B6.6						
(mg/L)	:	3.68	8.61	Ave.:	8,15.	7.99	Ave.: 6.07	9.05	9,18	Ave.:		8.61	10	13	11.	7
tion:	SR10	(FCZ)		Duration:	17:38	to 17:63	Depth	of Water (m	neter): 135	и	l 'et bulb calibr	ation for DO meter: _	8.28	mg/L (99.5	
		SURFACI	E (S)	Action Limit √/A.	L N	AIDDLE (M)	Action Limit V/A/L	В	OTTOM (B)	Action Limit √/A/I	DEDTU	ACTION		LIMIT		REM.
oth (meter)		1.0				6.6			12.2		$AVE.$ $\sqrt{A/I}$					
ıр. (°С) — :	255	25.4	Ave.: 55.5		265	35.5 35.5			Ave.: 25.4							
	669	6.74	Ave.: 6.72		6.76	57.3		6.84	5.87 Ave.: 6.86					and the		
inity (ppt)	25.9	259	Ave.:		36.1	20,0 Ave.:		26.2	263 263							
D. (mg/L)	6,08	6.05	Ave.:	5.0 5.0	10.0	6.12 Ave.:	5.0 5.0	539	597 Ave.: 598	4.7 2.0						
D.S. (%)	86.0	855	Ave.: 85.3			Bb. T Ph.3			24.4 Ave.: 84.h							
rbidity (NTU)	7.97	7.83	Ave.: 7,90			8.41 Ave.: 8.50		1	9.32 Ave.:		65c V	27.5 and 120% of CS6	47.0 ana	1 130% of CS6	47.0	
. (mg/L)			Ave.:			Ave.:			Ave.:			23.5 and 120% of CS6	34.4 and	1 130% of CS6		
tion:	<u>S1</u>	78		Duration:_	18-01	10 18:16	Depti	h of Water (n	neter): 48			ration for DO meter:	8.33	mg/L (99.7	
		SURFACI	E (S)	Action Limit √A	/L A	AIDDLE (M)	Action Limit √/A/L	В	OTTOM (B)	Action Limit √/A/	DEPTH V/A/I	ACTION		LIMIT		REMA
oth (meter)		1.0	1						3.8		AVE. VIAII	462		erie Selection		
np. (°C)	256	25,5	Ave.: 25.6			/_		25.5	Ave.:							
	7.78	7.80						7.70	7.73 Ave.:							
nity (ppt)	75.7	25.6	Ave.:	50 75		Ave.:		7.ac	08.7 Ave.:					196		
). (mg/L)	6.45	643	Ave.:	5.0 4.2		Ave.:	5.0 4.2	654	5.56 Ave.:	4.7 2.0						
).S. (%)	960	906	Ave.: 908			Ave.:		92.10	72.4 Ave.: 92.3							
bidity (NTU)	7.64	17,51	Ave.: 1,58			Ave.:		265 8	329 Ave.: 847		803 🗸	27.5 and 120% of CS6	5 47.0 and	1 130% of C.So	470	



Station:		SR9			Duratio	n:	8:31	to	18:43		Depti	h of Water	(meter):_	6.4	И	Vet bulb c	alibra	ution for DO meter:	83	mg/L (99.8	%)
			SURFACE	(S)	Action Limit	VIAIL		MIDDLE (N	1) /	Action	Limit √/A/L		ВОТТОМ	(B)	Action Limit √/A/I	DEPTH	4.0	ACTION		LIMIT		REMARK
Depth (meter)	7		1.0										5.4			AVE.	√/A/L					
Temp. (°C)	-	355	25.4	Ave.: 25,5								25,5	25.5	Ave.: 25.5								
pН	-	8.37	838	Ave.: 838				/				5.47	844	Ave.:								
Salinity (ppi)	:	ンちょし	التي ك	Ave.:					Ave.:			7F.B	253	Ave.:								
D.O. (mg/L)	-	6.73	6.77	Ave.: 635	5.0 4.2	/			Ave.:	5.0	4.2	6.50	6.48	Ave.: 6,5(4.7 2.0							
D.O.S. (%)	:	95.1	94.3	Ave.: 947				/	Ave.:			915	91.0	Ave.: 91.3								
Turbidity (NTU)	:	7,99	7.91	Ave.: 7.95					Ave.:			846	8,65	Ave.:		8,25	$\sqrt{}$	27.5 and 120% of CS6	275 <i>47</i>	.0 and 130% of CS0	47.0	
S.S. (mg/L)	:	1, 1, 1,		Ave.:					Ave.:					Ave.:			*	23.5 and 120% of CS6	34.	4 and 130% of CS6		
Station:	1	IS	15	-	Duratio	on:	18=53	to	19:07	SACON PROPERTY OF	Dep	th of Water	r (meter):	11.2		Wet bulb	calibr	ation for DO meter	: <u>8.</u> 3	\ mg/L (_	99.4	%)
			SURFACE	(S)	Action Limit	·		MIDDLE (1		Action	Limit √/A/L	·	ВОТТОМ		Action Limit √/A/I		,	ACTION		LIMIT		REMARK
Depth (meter)	:	· · · · · · · · · · · · · · · · · · ·	1.0					56					10.2			AVE.	√/A/L					
Temp. (°C)	·	D5.5	255	Ave.: 25.5	100		76.G	354	25.4			25.3	25,4	Ave.:								
pН	:	rc.8	829	Ave.: 8.28	1000		833	831	8.32			8.36	835	Ave.: 83h								
Salinity (ppt)	7	25.7	25.6	Ave.:			7.25	75.7	Ave.:			25.7	258	Ave.: 25,8								
D.O. (mg/L)	:	659	656	Ave.: 6.58	5.0 4.2		6.52	6.54	Ave.:	5.0	4.2	6,46	S/B	Ave.: 647	4.7 2.0							
D.O.S. (%)	-	93.2	92.8	Ave.: 93.0			92.2	92.4	Ave.: 92.3			91.2	91.6	Ave.: 91.4								
Turbidity (NTU)		7,72	8.08	Ave.:			8.49	845	Ave.: 847			9.4)	849	Ave.: 9.21		8,53	$\sqrt{}$	27.5 and 120% of CS6	37.5		47.0	
S.S. (mg/L)		11 \		Ave.:					Ave.:					Ave.:				23.5 and 120% of CS6	34	1.4 and 130% of CS6		
Station:	1	IS1	3	<u> </u>	Durai	tion:	19:21	to	19:34		De	pth of Wat	ter (meter):_11,6_		Wet bul	b cali	bration for DO met	er: <u>ි</u>	30 mg/L	99.5	<u>.</u>
			SURFACE	E (S)	Action Limit	ı √/A/L		MIDDLE (n Limit √/A/	L	BOTTOM	f (B)	Action Limit √/A	/L DEPTH	///	ACTION		LIMIT		REMARK
Depth (meter)	7	-	l.o					5.8					i0.6			AVE.	√/A/L					
Temp. (°C)	1	25.4	75,5	Ave.:			255	254	25.5			253	25.3	Ave.:								
рН	-	6.05	10.8	Ave.:			71.8	8.22	820			800	8.3e	Ave.:								
Salinity (ppt)		25.0	75.7	Ave.: 25.7			25.7	25.7	Ave.:			258	258	Ave:								
D.O. (mg/l.)	1:	6,5%	6.60	Ave.:	5.0 4.2		650	6.48	Ave.: 648		4.2	6.39	6.37	Ave.: 6.33	17 20	/						
D.O.S. (%)	:	93.0	93.3	Ave.: 93.2			42.2	91.6	Ave.: 919			9017	139.8	Ave.								
Turbidity (NTU)	-	7.74	7.97	Ave.: 1,86			7.67	7.35	Ave.:			8,85	871	Ave.: 8.78		8.05		27.5 and 120% of CS6	515	7.0 and 130% of CS0	47.0	
S.S. (mg/L)	1	1114	177	Ave.:			101	105.5	Ave.:		Page 1979	1 1/1/1	1001	Ave.:		(76.7)	,	23.5 and 120% of CS6		4.4 and 130% of CS6		
1 42 /	1		L	<u> </u>			L		<u> </u>	87570 MG		631					L		<u> </u>			



Station:			2		Duration:	19:48	to_	20:03		Dep	th of Wate	r (meter)	:_ 15.2		И	et bulb co	alibratio	on for DO meter: _	Glu	mg/L (99.	(%)
	_		SURFACE (S)		Action Limit √/A/L	L	MIDDLE	(M)	Action L	imit √/A/I		BOTTON		Action Lim	1. /1.15	· · · · · · · · · · · · · · · · · · ·		ACTION	1/1-1	IMG/L (LIMIT	1 1	REMARK
Depth (meter)	-		1.0				1.6					14.2					/A/L			Envir		REMARK
Temp. (°C)	:	25.4	355 Ave.)5.5		ンがら	25,5	25.5			25,4	253	Ave.:									
pН	÷	8.40	8.37 Ave.:	8.39	47,148	8.44	8,45	8.45			8.45	8.47	Ave.: 8.46									
Salinity (ppt)		25,6	1 !Ave.:	T.Ac		757	25.8	Ave.:			26.75	25,7	Ave.:									
D.O. (mg/L)	7	6,55	558 Ave.	657	5.0 4.2	6.61	6,59	Ave.: 6.60	5.0	1.2	6,49	6.51	75.B Ave.:	4.7 2.0	9 /							
D.O.S. (%)	:	92.2	92,9 Ave.:	92.6		93,2	92.9	Ave.: 43.1		V	91,7	920	Ave.: 919									
Turbidity (NTU)	:	1.88	BIO Ave.:	7.99		251	15.8	Ave.:					Ave .				<u>/</u> 27	5 and 120% of CS6	47.0 c	and 130% of CSG		
S.S. (mg/L)			Ave.;	1:		0-7	10.11	Ave.;			8.11	8.75	Ave.:			8.34 \		5 and 120% of CS6	(5)	nd 130% of CS6	17.0	
Station:		IS1	1		D								-, .		1							
Station.					Duration:	<u> </u>			T		th of Water	r (meter) BOTTOM		1 1			alibratio	on for DO meter:	<u>රි.යි</u>		99.	8_%)
Depth (meter)	:		SURFACE (S)	-	Action Limit √/A/L		MIDDLE	(M)	Action L.	imit √/A/L			(5)	Action Lim	it √/A/L	DEPTH AVE. √	/A/L	ACTION		LIMIT		REMARK
Temp. (°C)			Ave.:				- 86	T				16.2	T dua :			AVE.						
pH		25,6	25,5	<u>1919</u>		265	25.6	25.6			25.5.	25.5	Ave.: 25.5									
·		8.45	842 Ave.:	8.44		8.48	847	8.48			8,42	8.44	Ave.: 8,43								Y 27 (1)	
Salinity (ppt)		763	756	J.R.	5.0 4.2	258_	78.FL	Ave.:		(2)	25.8	25,7	Ave.: 25.3	The same of the sa								
D.O. (mg/L)		6.28	6.32 Ave.:	6.3 ₀	5.0 4.2	6.36	6.33	6.36	3.0	1.2	6.31	6.34	Ave.: 6,33	4.7 2.0								
D.O.S. (%)		88.4	88.8 Ave.:	88.5		89,4	883	Ave.: SET			<i>F.88</i>	1.19	Ave.: BT.b					100				
Turbidity (NTU)		9.70	8.75 Ave.:	9.23		8.59	9.18	Ave.: 9.09			8ಎ	8.15	Ave.:			8.83 \		5 and 120% of CS6	5 L	and 130% of CS6	47.0	
S.S. (mg/L)			Ave.:					Ave.:					Ave.:				23.3	and 120% of CS6	34.4 a	nd 130% of CS6		
Station:		CS4	·		Duration:	90:71	to	<u> </u>		Dep	th of Wate	r (meter)	: 21.8	~~~~	И	et bulb co	alibrati	on for DO meter:	8.34	mg/L (_	99	6_%)
	1		SUI	RFACE				MIDDLE					ВОТТОМ				DEPTH	AVERAGE		REMA	RK	
Depth (meter)		:		0				103					ð.oc									
Temp. (°C)		25	3 S	15,7	Ave.: 28.7	25,6	6	25.5	Ave.:	25.b	25,6	+	25.5	Ave.: 25	5.5							
pН		: 81	£) 8	546	Ave.: 8.44	8,48	3	8.45	Ave.:	5.47	85		8.49		50				¥			
Salinity (ppt)		. J	1	5,4	Ave.:	15		35,5	Ave.:	-5.Fi	25,		25,5	4110	5,6							
D.O. (mg/L)		: 6.		37.6	Ave.: 6.76	6,7		6,66	Ave.:	6.69	6.5		6,85	Ave .	.57							
D.O.S. (%)		· Qr	5.2	35.7	Ave.: 95,5	26.		94,1	Ave.:	94.6	93.		92.6		29							
Turbidity (NTU)		60		45,	Ave.: 6.85	6.8		7,18	Ave.:	703	6,6		6.52	Ava ·	58		(-	·87				
S.S. (mg/L)		7			Ave.:		`		Ave.;	53/33	0,0		0.)	Ave.:	17.07			<u>((, , , , , , , , , , , , , , , , , , ,</u>				
Any notable d	iscr	oloration	of water ? 1/1	N If va	es, elaboration i	is as follo	11/5				1			1								
					site ?X/N If			is as follow							· ····							
					, 0.10 .7 17 17	you, cial	Jordaloiti	as ronow.	·		· · · · · · · · · · · · · · · · · · ·	······································										
Field Opera	ator	nor Jacky Chaus			Ch.	hecked by		1 de	Ce	$\overline{}$	1	Laborato	ry Staff					Checked by				
Date			4, 011.) 10C	\ 1	Date		t 4	/u/1	3		Dai	e	·····				Date	_			



		11 2	-13	W .1 .C.	elaud	4.	Line Townson	PCI. 26	Sag Conditio	vas: Calva / Small	Waya / Great Wo	<u>we</u> Tide Mode: <u>Flood Tide</u> <u>D</u>	irection of water current:	From CS6 to CS4
Sampling Date: Station: <u>CSt</u>					Duration:	Ar 07:36_	to 07:51		_ Sea Conaino th of Water (mete			Wet bulb calibration for DO meter:		99.3 %)
Siation. Coc	101	Stream Co	on or or or	SURFACE	Duration.		MIDDLE			BOTTOM		DEPTH AVERAGE	REM	
Depth (meter)	1			1,0			6,3			11.6				
Temp. (°C)		25.4	/1	25.5	Ave.: 25.5	25.4		Ave.: 25,4	25,4	26.3	Ave.: 25.4			
pН	1	7.6		7.55	Ave.:	7,44		Ave.: 7.47	7.21	7,25	Ave.:			
Salinity (ppt)	:	25,			Ave.:	25.8		Ave.: 25.8	25,9	25.9	Ave.: 255	100 mars 200		
D.O. (mg/L)	-	6.5	1	25.7 6,46	Ave.: 6.49	6.40		Ave.: 6,41	6.32	634	Ave.: 633			
D.O.S. (%)	+	91,	1	91.0	Ave.: 91.4	90.2		Ave.: 90,4	87.B	88.1	Ave.:		120%	130%
Turbidity (NTU)		14.		14.9	Ave.: 14.8	1/5.1		Ave.: 15.4	16.5	15.7	Ave.: 15.6	(5,2	18.3	19.8
S.S. (mg/L)	+	14.		14, 1	Ave.:	193	13.0	Ave.:	1.913		Ave.:			
Station:	!	SR10 (F			Duration:	1 DB:DB	to 08:31	Depth	of Water (meter): 13.8	W	et bulb calibration for DO meter: _	8.28 mg/L (_	99.5 %)
			SURFACE ((S)	Action Limit √/A/L	·	MIDDLE (M)	Action Limit √/A/L	ВОТТ	OM (B)	Action Limit √/A/L	DEPTH ACTION	LIMIT	REMARK
Depth (meter)	:		[,0				63		12.8	3		AVE. V/A/L	E SERVE	
Temp. (°C)	1:	25.4	25.3	Ave.:		25.4	25.4 254		25.3 25.	Ave.: 25.3				
рН		6.62	6.66	Ave.: 6.64		6.71	6.69 6.70		6.88 6.8	Ave.: 6,85		Control of the Contro		
Salinity (ppt)	:	25.7	25.8	Ave.:		25.9	25.8 Ave.:		26.0 2b					
D.O. (mg/L)	:	6.17	6,14	Ave.: 6,16	5.0 5.0	6.16	6.21 Ave.:	5.0 5.0	6.04 6.0		4.7 2.0			
D.O.S. (%)	:	87.2	66.7	Ave.: 87.0		67.0	87.9 Ave.: 87.9 87.5	>	848 86.			27.5 - 1/200/ -6006	47.0 and 130% of CS0	
Turbidity (NTU)	:	13.3	(3,8	Ave.: 13.6		14,2	14.5 Ave.:		14.9 15.		i kalendari	27.5 and 120% of CS6	77.0 and 130% of CSC 34.4 and 130% of CSC	47.0
S.S. (mg/L)	·			Ave.:			Ave.:	e de la company		Ave.;		23.3 and 120% of C30	34.4 and 13070 of C.50	
Station:		SR8	3		Duration:	ნნ:მმ	10 08:49	3 Dep	th of Water (mete	r): <u>4.8</u>		Vet bulb calibration for DO meter:	8.33 mg/L (99.7 %)
			SURFACE	(S)	Action Limit √/A/L		MIDDLE (M)	Action Limit V/A/	BOTT	ОМ (В)	Action Limit √/A/I	DEF LT 1//A/I commonwealthances	LIMIT	REMARK
Depth (meter)	:		1,0						3.9			AVE. VIAIL		
Temp. (°C)	:	25.5	25.4	Ave.: 25.5					<i>2</i> 5,3 25.					
рН	:	7.72	1.75	Ave.: 7.74					7.65 7.6					
Salinity (ppt)		25.6	25,7	Ave.: 25.7			Ave.:	5.0	35.8 35		17 20			
D.O. (mg/L)	:	6,54	6,50	Ave.: 6,52	5.0 4.2	26	Ave.:	5.0 4.2	6.63 6.6		4.7 2.0			
D.O.S. (%)	1	92.2	91.6	Ave .: 919			Ave		93.4 93			27.5 and 120% of CS6	47.0 and 130% of CS	Sd Sd
Turbidity (NTU,) :	14.4	14.6	Ave.: 14,5			Ave.:		15.8 16	.3 Ave.:		15.3 \(\frac{27.5 \text{ and } 120% \text{ of CS6}}{23.5 \text{ and } 120% \text{ of CS6}}	27.5 34.4 and 130% of CS	47.0
S.S. (mg/L)	1			Ave.:			Ave.:			A ve		35.5 and 12070 by C.50		



Station:		SR9			Duration:	:	s 8:58	to	09:12	De	pth of Wate	r (meter):_	5.8				librati	on for DO meter:	8.34		(99.8	
			SURFACE ((S)	Action Limit 1	VIAIL	Λ	IIDDLE (M	1) /	Action Limit √/	1/L	ВОТТОМ	(B)	Action Lim	ii √/A/L	DEPTH AVE.	/A/L	ACTION		LIMIT		REMARK
Depth (meter)	:		1,0									4.8	7			AVE.						1
Temp. (°C)	:	25,4	26.3	Ave.: 25.4							25,3	25.2	Ave.: 									
pН	:	8.31	3.26	Ave.:					/		8.40	<u> </u>	Ave.: 8.38									<u></u>
Salinity (ppt)	:	J5.5	26.6	Ave.: 25.6					Ave.:		<u> </u>	25.7	Ave.: 								1940 B	
D.O. (mg/L)	:	6.86	6.81	Ave.: 6.84	5.0 4.2	<u> </u>			Ave.:	5.0 4.2	6,54	6.49	Ave.: 6.52	4.7 2.0	$ \sqrt{ }$							
D.O.S. (%)	:	96,3	95,5	Ave.: 959			A		Ave.:		92.1	91.1	Ave.: 91.6				2	.5 and 120% of CS6	41	7,0 and 130% of C	<u> </u>	
Turbidity (NTU)	:	11.2	10.9	Ave.:					Ave.:		11.8	1117	Ave.:			11.4	$\sqrt{\ }$		37.5	.4 and 130% of C	47.0	
S.S. (mg/L)	:			Ave.:					Ave.:				Ave.:					1.5 and 120% of C30		.4 unu 15070 0j C		<u></u>
Station:		IS	15		Duration	1. (09:25	to	09:40	D	epth of Wai	er (meter):	10.8	<u></u>	W	et bulb c	alibrai	ion for DO meter:	8.3	mg/L	(99.	4 %,
			SURFACE	(S)	Action Limit			ЛIDDLE (I	M)	Action Limit V	A/L	BOTTOM	(B)	Action Lin	nit √/A/L	DEPTH	//A/L	ACTION		LIMIT		REMARK
Depth (meter)	:		1.0					5.4				9.8				AVE.	77.0.2					
Temp. (°C)	:	25,4	26.4	Ave.: 254			254	25.3	25.4		25.2	25.3	Ave.: 25.3									
рН	:	8.19	8,23	Ave.:			8.30	පිදරි	8.29		5,33	8.32	Ave.: 8.33									
Salinity (ppt)	-	25.6	25.5	Ave.: 25.6			25.6	25.5	Ave.: 25.6		<u> 25.6</u>	>5.7	Ave.:									
D.O. (mg/L)	1	6.68	5.65	Ave.: 6.67	5.0 4.2	V	6.61	6,63	Ave.: 6.60	5.0 4.2	6.51	6.53	Ave.: 6,52	4.7 2.								
D.O.S. (%)	:	94,5	94.1	Ave.: 94.3			93.5	93.7	Ave.: 93.6		91.9	92.3	Ave.: 92.1					7.5 and 120% of CS6	,	7.0 and 130% of	CSA	<u> </u>
Turbidity (NTU)	:	12,1	12.4	Ave.:			12.9	13.1	Ave.:		13.5	13.2	Ave.:			12.9	\checkmark		275	4.4 and 130% of	47.0	1
S.S. (mg/L)	1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Ave.:					Ave.:				Ave.,					3.5 una 12070 dj C30		4.4 and 73070 of		
Station:		ISI	3		 Durati	ion:	09:52	to_	[0:0]	Π	Depth of W	ater (meter): <u>9,8</u>		_	Wet bulb	calibr	ation for DO mete	r:	5.30ms	;/L (<u>9</u> °	1.5
	T		SURFACI	E (S)	Action Limit	√/A/L		MIDDLE	(M)	Action Limit v	//A/L	BOTTON	1 (B)	Action Li	mit √/A/L	DEFIR	√/ <i>A/L</i> ■	ACTION		LIMI	l.	REMARK
Depth (meter)	1:		1.0					4.9				8.8				AVE.	,,,,,					
Temp. (°C)	1:	25.4	25.5	Ave.: 25,5			25,4	263	25.4		25.3	25.3		3								8
pН	1	7.99	8.04	Ave.:			8.11	8.16	3.14		8,19	8.25		2								
Salinity (ppt)	1	25.6	25.6	Ave.:			35.6	7,6c	Ave.: 25:7		25.8	25.8										<u> </u>
D.O. (mg/L)	1:	6,49	6.51	Ave.: 6.50	5.0 4.2	/	6.44	6.39	Ave.:	2 5.0 4.2	√ 6.3 ₀	5 6.28		3 4.7 2	2.0							
D.O.S. (%)	1	91.7	92,1	Ave.: 91,9			913	90.4	Ave.: 90.5		89.0	તેસ્ક ા		3				27,5 and 120% of CS6		47.0 and 130% o	rcsd.	
Turbidity (NTU,	7 :	9.91	9.39	Ave.:			9.95	9.99	Ave.: 9.9	100000000000000000000000000000000000000	10.6	5.01				ביטו	$\sqrt{}$	27.5 and 120% of CS6	27.5	34.4 and 130% o	47.0	2
S.S. (mg/L)	-			Ave.:					Ave.:				Ave.:					25.5 and 12070 of Cito				



Station:		<u>IS12</u>		Duratio	on: (C	1:15	to	(0:27	Depth	h of Wat	er (meter)	14.6			tion for DO meter: $_$	8.41	mg/L (Q	9,4 %)
		SURFACI	E (S)	Action Limit			IIDDLE (M)		Action Limit √/A/L		BOTTOM	1 (B)	Action Limit V	AVE VIAIL	ACTION		LIMIT	REMARK
Depth (meter)	: -	lω					₹.3				-13,6			AVE. VIAIL		a partie		
Temp. (°C)	951		Ave.: 25.4			25,4	25.3	25.4		a5.3	25,2	Ave.: 25.2						
pН	8,3		Ave.: 8.40			846	849	5.48		<u>ති.5</u> ෆ	8.50	Ave.: 8.51						
Salinity (ppt)	25.		Ave 257			7.36	SET A	ve.: 25.}.		25.B		26.8						
D.O. (mg/L)	. 6.6		Ave.:	5.0 4.2	1/[C CA A	ve.: 6.65	5.0 4.2	6,54	6,56	Ave.: 6,55	4.7 2.0 V					
D.O.S. (%)	1 929		93.1	T.	1000000		93.6 1	7.50.		92.3	925	Ave.: 925						
Turbidity (NTU)	: 89	- I				9.11	9,17 A	ve.: 9.14		9.28	9.33			9.16	7.5 and 120% of CS6	5 I	130% of CSO 47.	0
S.S. (mg/L)	:		Ave.:				A	ve.:				Ave.:		2.	3.5 and 120% of CS6	34.4 and	130% of CS6	
Station:		IS14		Durati	on:	0:34	to 1	0:46	Depth	h of Wa	ter (meter)	: 16.6		Wet bulb calibra	tion for DO meter:	8.38	mg/L (90	1.8 %)
		SURFAC	E (S)	Action Limi			IIDDLE (M)		Action Limit √/A/L		BOTTON	1 (B)	Action Limit √.	A/L DEPTH	ACTION		LIMIT	REMARK
Depth (meter)	:	1.0					8.3				15.6			AVE. VIAIL				
Temp. (°C)	; 25(Ave.:			25.4	254	26.4		a5,4	25.3	Ave.:	2.1					
pН	: නු:			10		8.46	8.45	8,46		(3,39	8.36	Ave.: 8.38						
Salinity (ppt)	: 25		25.6		18 (1)	25,7	25 G	ve.: 25,7		25.7	25.8	75.8						
D.O. (mg/L)	: 6,3	" " I	Ave.: 6 39	5.0 4.2	/	6.45	6.42 A	ve.: 6.44	5.0 4.2	6.40	6.43	Ave.: 6.42	4.7 2.0					
D.O.S. (%)	: 89		Ave.: 899			5.09	GO 3	ve.: 905		90.0	905	90.3			112000 (656)	17.0	112000 -1629	
Turbidity (NTU)	: 9,6	3 8.82				9.06	9.15	ve.: 9.11	100	8.29	3,22	Ave.: 8.26		3.36 V	7.5 and 120% of CS6	5	130% of CS6 130% of CS6	اــــــام
S.S. (mg/L)	:		Ave.:				A	lve.:				Ave.:			3.5 and 120% of CS6	34.4 ana		
Station:		CS4		Duration	ı: <u> </u>	:52	to	11:06	Dept	th of Wa	iter (meter	<u>3,((:</u>)			ution for DO meter: _	8.34	mg/L (9	
			SURFACE				Λ	AIDDLE .				ВОТТОМ		DEPT	TH AVERAGE	60	REMARK	
Depth (meter)	:		1.0					11.4	1	ļ		21,8	T due t					
Temp. (°C)		25.6	25.6		5.6	25.4		25.5	Ave.: 25.5)E	5.4	254	Ave.: >5.4	100		Marie Company		
рН	:	8.39	8.43		8.41	8.41		8.45	Ave.: 8.43	1 8.	51	8.48	Ave.: 8.5c	2				
Salinity (ppt)		25.4	>5,5		25.5	25.5	<u> </u>	25.6	Ave.: 55.6) D	6.1	55.5	Ave.:					
D.O. (mg/L)		6.79	6.83		6.81	6.77		6.71	Ave.: 6.74	6	.ba	6,60	Ave.: 6,6	A SHARE THE REAL PROPERTY.				
D.O.S. (%)	:	95,8	96.3		96.1	95.6		94.8	Ave.: 95,2	9	3.7	933	Ave.: 93,5					
Turbidity (NTU)		998	10.3		101	7.01		10.5	Ave.: 10.6	1.10	2,9	111	Ave.:)	T0'6			
S.S. (mg/L)	:			Ave.:					Ave.:				Arc					
Any notable d			•		/.								,					
Any notable p	ollutant	by others n	ear monitorii	ng site ? 🛚 🗸	N If	yes, elabo	oration is	as follow:	s :	 								
Field Oper	rator	Tal. dia	/Lainci		Che	cked by	1	de 1	ربو		Labora	tory Staff			Checked by			
Date		Tady Chang	3/ 10/10/			Date		611	1/13		D	ate			Date			



Sampling Date :_	6.	11.20	(3	Weather Cor	ndition: <u>Cloude</u>	A	mbient Temperature (°C): <u> </u>	_ Sea Condit	ions: <u>Calm / Sma</u>	ll Wave / Great	<u>Vave</u> Tide	: Mode: <u>Ebb Tide</u> <u>D</u>	irection of w	vater current: Fr o	m CS4 to CS6
Station:		CS6			Duration:	16:17	10 16:39	Depti	n of Water (met	er): (2.2			ibration for DO meter.	8.31	mg/L (C	19.3 %
				SURFACE			MIDDLE			ВОТТОМ		L	DEPTH AVERAGE		REMARK	
Depth (meter)	:			10			6.1			11,2						
Temp. (°C)	:	25,	5	25.6	Ave.: 25.6	25.5	25.6	Ave.: 255	25,3	263	Ave.: 253				,	
ЭΗ	:	7,6		1,58	Ave.:	7,46		Ave.: 7,49	7,24	7.28	Ave.:					
Salinity (ppt)	:	25,		25.7	Ave.: 25.7	25.7	,	Ave.: 25.8	<u> </u>	J5,B	Ave.: 25.3					
).(). (mg/L)	:	54		6,40	Ave.: 6.43	6.38		Ave.: 6.36	6,25	6,30	Ave.: 6.28					
D.O.S. (%)	1 :	90:		90.1	Ave.: 905	895		Ave.: 89.7	870	87.5	Ave.: 87.3					
Turbidity (NTU)		14,	i	15.L	Ave.: 150	15,6		Ave.:	(6.1	16.4	Ave.: 16.3		15.b			
S.S. (mg/L)	:	1-1-1	`		Ave.:			Ave.:			Ave.:					
Station:		SR10 (F	 FCZ)		Duration:	15:53	to 16:02	Depth	of Water (mete	r): <u>(3.4</u>		Vet bulb cali	bration for DO meter:	8.28	mg/L (Q	9.5%,
	T		SURFACE	(S)	Action Limit √/A/I	1	MIDDLE (M)	Action Limit V/A/L	BOTT	OM (B)	Action Limit V/A	L DEPTH	ACTION A/L		LIMIT	REMARE
Depth (meter)	7	***************************************	10				6.7		120	4		AVE.	77L			
emp. (°C)	-	05.5	25,4	Ave.:		24	25,5)53 26	Ave.:						
pΗ	:	6.60	6,63	Ave.: 6.62		6.69	6.73 6.71		6.85 6.8	Ave.: 6.83						
Salinity (ppt)	:	7.2c	757	Ave.:		75.7	25.8 25.8			Ave.:						
D.O. (mg/L)	: [6.12	6.09	Ave.: 6.11	5.0 5.0	6,11	6.15 Ave.:	5.0 5.0	538 58	9 Ave.: 594	4.7 2.0					
D.O.S. (%)		865	86.1	Ave.: 86.3	, and a		86.9 Ave.:		839 82	Ave.:						
Turbidity (NTU)		13.5	135	Ave.:		14,4	14.6 Ave.:		15.4 (5.	Ave.:		14.6 V	27.5 and 120% of CS4	ス51		7.0
S.S. (mg/L)	:	<u></u>	, , , , , , ,	Ave.:			Ave.:	986		Ave.:			23.5 and 120% of CS4	34.4 a	and 130% of CS4	
Station:		SRE	?		Duration:	15:30	10 15:45	Depti	n of Water (met	er): 4.6		Wet bulb cal	ibration for DO meter.	8.33	mg/L (19.7 9
			SURFACE	: (S)	Action Limit V/A/		MIDDLE (M)	Action Limit V/A/L	· · · · · · · · · · · · · · · · · · ·	ГОМ (В)	Action Limit √/A	/L DEPTH	ACTION		LIMIT	REMAR
Depth (meter)	:		lΩ						3,1			AVE.	A/L			
Cemp. (°C)		25.6	255	Ave.: 25.6				25 (26)	25.5 25.	Ave.:						
ъH		7,76	7.79	Ave.: 7.78					7.68 7.7	Ave.:						
Calinity (ppt)	:	25.7	152	Ave.:			Ave.:	and the	25.9 ps	R Ave.:			a property of			
D.O. (mg/L)		6.43	6.44	Ave.:	5.0 4.2		Ave.:	5.0 4.2	1 1	Ave.: 6.59	4.7 2.0					
D.O.S. (%)		91.2	90.7	910			Ave.:			n Ave.: 92.8						
Turbidity (NTU)		14.7	15.0				Ave.:		159 16	1 16,0		15.4	27.5 and 120% of CS4	27.5		FT.O
S.S. (mg/L)		<u> </u>	1	Ave.:			Ave.:			Ave.:			23.5 and 120% of CS4	34.40	and 130% of CS4	



Station:		SRS)		Duration	n:	T0:6	to	15:22		Depth	of Water	(meter):_	5.6		Wei	t bulb ca	librati	ion for DO meter:	8.34	mg/L (_	99.2	%)
			SURFACE	(S)	Action Limit	√/A/L		MIDDLE (I	M)	Action Lin	ii √/A/L		ВОТТОМ	(B)	Action Limi	ı √/A/L	DEPTH ,		ACTION		LIMIT		REMARK
Depth (meter)	- 1		1.0										46				AVE.	/A/L					
Temp. (°C)		25,4)65	Ave.: 25.5								25,4	25.3	Ave.: 25,4									
рН	:	8.33	828	Ave.: 8.31								8.44	8.46	Ave.: B.45									
Salinity (ppt)	:	25.6	25:7	Ave.:					Ave.:			25.5	258	Ave.: 25.5				v					
D.O. (mg/L)	2	6.81	637	Ave.: 6.79	5.0 4.2	$\sqrt{}$			Ave.:	5.0 4.	2	6.51	6,45	Ave.: 648	4.7 2.0								
D.O.S. (%)	:	955	95.1	Ave.: 953					Ave.:			91,7	909	Ave.: 91.3									
Turbidity (NTU)	1	11.7	((,1	Ave.:					Ave.;			12(1	11.9	Ave.: (ユロ			11.7	\vee		37.5	and 130% of CS-	47.0	
S.S. (mg/L)				Ave.:		1			Ave.:					Ave.:				2.	3.5 and 120% of CS4	34.4	and 130% of CS4		~
Station:		<u>IS</u>	15		Duratio	on: [(yysy	to	14:59		Depti	h of Water	r (meter):	10,74		We	et bulb c	alibra	tion for DO meter:	8.31	mg/L (99.4	%)
			SURFACE	· (S)	Action Limit	√/A/L		MIDDLE (M)	Action Lin	nit √/A/L		ВОТТОМ	(B)	Action Lim	it √/A/L 1	DEPTH	/A/L	ACTION		LIMIT		REMARK
Depth (meter)	:		lω					5,2					9,4				AVE.	IAIL					
Temp. (°C)	:	25,5	25.5	Ave.:			25.3	25.4	25.4			25.4	25.4	Ave.: 554									
pН	:	821	8.27	Ave.: 8,23			<u> </u>	831	833			8.37	B39	Ave.: 8.38									
Salinity (ppt)	:	25,6	256	Ave.:			5,2C	25,6	Ave.: ≥5.7			258	25,8	Ave.:									
D.O. (mg/L)	;	6,62	659	Ave.:	5.0 4.2		6.55	6.57	Ave.: 6.55	5.0 4.	2	6.49	6.47	Ave.: 6,48	4.7 2.0				1. P. 1966				
D.O.S. (%)	:	93,5	93.2	Ave.: 93.4			9217	928	Ave.:			91,6	91,4	Ave.: 91,5	Ē								
Turbidity (NTU)	:	12.5	12.6	Ave.:			13.2	13.3	Ave.: 13,3			13.6	BA	Ave.: 13,8			13,2	\checkmark		275	and 130% of CS	40	
S.S. (mg/L)] :			Ave.:					Ave.:					Ave.:				2	3.5 and 120% of CS4	34.4	and 130% of CS-	<u> </u>	
Station:		<u> IS 1</u>	3		Durat	'ion:	14:14	to_	14:29	· .	Dep	oth of Wat	er (meter,	2.9		_ И	Vet bulb	calibr	ation for DO mete	r: <u>8</u> .	30mg/L	(99.	5%
			SURFACE	(S)	Action Limit	√/A/L		MIDDLE	(M)	Action Li	nit V/A/L		ВОТТОМ	(B)	Action Lin	it √/A/L	DEPTH	//A/L 🖼	ACTION		LIMIT		REMARK
Depth (meter)	:		10					46					8.7				AVE.	//A/L					
Temp. (°C)	-	25.6	255	Ave.: 25.5			25.5	25.LL	25.5			25.32	25.2	Ave.: 25.3									
рН		10,8	70.3	Ave.:	1		8.15	පි.රි	51.8			8,21	යි.23	Ave.: 8,02								je di	
Salinity (ppt)	;	7.26	25.7	Ave.:			25,7	25.8	Ave.: 25.F	3		<i>></i> 59	>5.8	Ave.: 259									
D.O. (mg/L)	:	6.44	6,46	Ave.: 6,45	5.0 4.2		6.39	632	Ave.: 26	5.0 4	.2	6.28	6.31	Ave.: 6.29	4.7 2.0								
D.O.S. (%)	:	91.0	91.3	Ave.: 91.2			90.5	89.4	Ave.:	,		<u> </u>	885	Ave.: 85.2	5				e de la companya de l				
Turbidity (NTU)	1:	998	993	Ave. 996			105	10.1	10.3			109	11.3	Ave			105	$\langle \perp \rangle$	27.5 and 120% of CS4	275	0 and 130% of CS	47,0	
S.S. (mg/L)	1:			Ave.:					Ave.:					Ave.:				12	23.5 and 120% of CS4	34	I and 130% of CS	4	

Date

Date



Date

Station:		<u> 1S12</u>		Duration:	13:52	to	14:06	Dept	h of Water		14,2			libration fo	r DO meter:	8.41	_mg/L (99.4 %)
		SUR	FACE (S)	Action Limit √/A	/L	MIDDLE (M)	Action Limit √/A/L		ВОТТОМ (В	3)	Action Limit √/A/L		4/1	ACTION		LIMIT	REMARK
Depth (meter)	.:		(.0			1,[13.2			AVE.					
Temp. (°C)	:	25,5 25	5.8 Ave. 55.5		254	25.3	25.4		25.3	30.51	1ve.: 25.3							
рН		834 8	129 Ave. 237		842	840	8.41		851	354	1ve.: 8.53							
Salinity (ppt)	-		5.6 Ave.: 550		25,8	25.8	Ave.: 25.B		J5,B	259	25.9							
D.O. (mg/L)	÷		58 Ave. 657	3.0 4.2	8.61	6.59	Ave.: 6,60	5.0 4.2	6.49	651	ave.: 650	4.7 2.0						
D.O.S. (%)	:	i '	25 Ave.: 924		93.1	929	930		91.6	919	968							
Turbidity (NTU)	:		() Ave.: 901		લ,(૧	9.23	Ave.: 9.21		9.33	936	qve.:9,35		9021	/	120% of CS4			17.0
S.S. (mg/L)	-		Ave.:				Ave.:				4ve.:			23.5 and	120% of CS4	34.4 and 13	0% of CS4	
Station:		<u>IS14</u>		Duration:_	13:31	to	13:45	Dep	th of Water	(meter):_	16.6			alibration fo	or DO meter:	838	_mg/L (99.8 %)
		SUI	RFACE (S)	Action Limit √/A	I/L	MIDDLE	M)	Action Limit √/A/L		BOTTOM (I	В)	Action Limit V/A/		/A/L	ACTION		LIMIT	REMARK
Depth (meter)	:		[10			83				15.6			AVE.					
Temp. (°C)	:		S.6 Ave.:		55.5	25.4	25.5		25,4		Ave.: 25,4			and the second				
рН	÷		3.31 Ave.: 8.28		8.41	8.37	839		8.31	8.37	Ave.: 834							
Salinity (ppt)	:		25.6 Ave.: 25.6		25.7	25,7	Ave.: 25.7		25,9	J5.8 °	Ave.: 							
D.O. (mg/L)	:		5.35 Ave.: 6.33	5.0 4.2	6,39	636	Ave.: 6.32	5.0 4.2	6.34	637	Ave.: 6.36	4.7 2.0						
D.O.S. (%)	:		39.3 Ave.: 89.0		89.8	85.5	Ave. 89.2		89.2	89.5	Ave.: 89.4							
Turbidity (NTU)	1	1	2:69 Ave.: 91.	4	9,01	9.09	Ave. q.ob		833	_8.31_1	Ave.: 832		8.84	<u> </u>	1120% of CS4	<u> </u>		<u>Mo</u>
S.S. (mg/L)	1		Ave.:			Ì	Ave.:	100			Ave.:			23.5 and	1 120% of CS4	34.4 and 1	30% of CS4	
Station: CS4	(Un	ostream Conti	rol Station)	Duration:	13:09	to	13:23	Деј	oth of Water	r (meter):_	J2.4		Wet bulb c	alibration f	or DO meter: _	8.34	mg/L (99.6 %
	T		SURFAC				MIDDLE				ВОТТОМ			DEPTH AV	ERAGE		REMA	RK
Depth (meter)		:	1.0				(1,2				214							
Temp. (°C)	1	. 25.7	25.6	Ave.: 25.7	1 25,5	5	25.S	Ave.: 25,5	25.3	,	25,4	Ave.: 25A						
рН		8.31	8,38	400.		i i	841	Ave.: 8.39	8.45	1	8.46	Ave.: 845			E per			
Salinity (ppt)		: 25.5	25,6	Ave			25. 5	Ave.: 25.6	257	1	25.7	Ave.: 25.7						
D.O. (mg/L)		6.73	6,77	Ave.: 6.75		- 1	6.66	Ave.: 5,69			6,54	Ave.: 6.57						
D.O.S. (%)	1	95.0	95,4	Ava ·	94:		94,0	Ave.: 94,5	92.9		92.4	Ave.: 92.7				120	0%	130%
Turbidity (NTU)	7	10,4	8.01	Ave .			10.9.	Ave.:	:(.).		lub	Ave.: 11.5		11.		13	3	144
S.S. (mg/L)		:		Ave.:				Ave.:				Ave.:						
Any notable	disc	coloration of	water? X/N I	f yes, elaboratio	n is as foll	ows:												
Any notable	ooll	utant by oth	ers near monito	ring site ? X / N	If yes, ela	aboration	is as follow	's :										
Field Ope	rate	or Tools	, Chauso / (2)	1.01.	Checked by	,	ina	2 (an		Laborator	y Staff				Checked by		1,000	

Date



Sampling Date :_	3/11/13 Weather Con	dition: Time	Ambient Temperature (°C	g): <u>27°(</u>	Sea Condition	s: <u>Calm/Small</u>	Waye / Great Wo	<u>ive</u> Tide Mode:	Flood Tide Dis	rection of water current.	
Station: <u>CS6 (</u>	(Upstream Control Station)	Duration:	4=32 10 9=47	Depti	h of Water (mete		3	Wet bulb calibration		8,40 mg/L(
	SURFACE		MIDDLE			ВОТТОМ		DEPTH	AVERAGE	REM.	ARK
Depth (meter)	1.0		6,4			11-8	1 4				
Temp. (°C)	25/1 25/1	Ave.: 25-1	25/1 25/1	Ave.: 25-1	25,1	25/1	Ave.: 25.1				
рН	7.64 7.62	Ave.: 7.63	7.67 7.69	Ave.: 768	7,62	7.65	Ave.: 7.64				
Salinity (ppt)	25.5 25.5	Ave.: 25.5	25,7 25,6	Ave.: 25.7	25/7	25/6	25,7			•	
D.O. (mg/L)	6.04 6.07	Ave.: h.oh	5,96 5,99	Ave.: 598	5,95	5,92	Ave.: 5,94			1200/	130%
D.O.S. (%)	84,7 85,1	Ave.: 34,9	83,5 83,9	Ave.: 33.7	83,2	82,7	Ave.: 33.0			120%	
Turbidity (NTU)	4.85 4.89	Ave.: 4.87	1.75 5.78	Ave.:	t, St	r.86	Ave. S.S.	J.,	20	6.6	7.2
S.S. (mg/L)	7.03 1.01	Ave.:		Ave.:			Ave.:				
Station:	SR10 (FCZ)	Duration:	10=02 to 10=17	Depth	of Water (meter,	14,0	И	et bulb calibration	n for DO meter: _	8,38 mg/L (_	99,4_%)
Station.	SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit V/A/L	T)M (B)	Action Limit √/A/I	DEPTH JAME	ACTION	LIMIT	REMARK
Depth (meter)	: 1.0		7.0		13	. 0		AVE.			
Temp. (°C)	25-1 25-1 Ave.: 25,1		25/1 25/1 25/1		25-1 25,	Ave.: 251					
pН	: 7.70 7.72 Ave.: 7.71		7.74 7.75 7.75		7.75 7.7	5 Ave.: 1.75			60 (1) (1)		
Salinity (ppt)	26.0 26.0 Ave.: 26.0		26.0 26.0 Ave.: 26.0		26.0 25						
D.O. (mg/L)	: 5,88 I,85 Ave.: 5,87	5.0 5.0	5.79 5.76 Ave.: 5.78	5.0 5.0	5,88 5.2	Ave.: 586	4.7 2.0			and the second	
D.O.S. (%)	: 82.5 82.1 Ave.: 82.3		31,3 80,9 Ave.: 81,1		826 82	Ave.: 82,4					,
Turbidity (NTU)	: 8.87 8:85 Ave.: 8.86		6.81 6.84 Ave. 6.83		7.22 7.3	6 Ave. 7.24			5 and 120% of CS6 2	17.0 and 130% of CS	47.0
S.S. (mg/L)	: Ave.:	19843	Ave.:			Ave.:		23.	5 and 120% of CS6	34.4 and 130% of CS	6
	000	Duration:	10=32 10 10=42	Dent	h of Water (mete	r): 4,8		Wet bulb calibration	on for DO meter: _	8,4) mg/L(99.7 %)
Station:	SR8 SURFACE (S)	Action Limit V/A/L	MIDDLE (M)	Action Limit √/A/L		ОМ (В)	Action Limit √/A	L DEPTH	ACTION	LIMIT	REMARK
Depth (meter)	: 1.0				3	, E		AVE. V/A/L		et stores in the	
Temp. (°C)	: 25 11 35 11 Ave.:				25/2 25/	Ave.: 25/					
рН	7.79 7.82 Ave.: 7.81				7.80 7.8	Ave					
Salinity (ppt)	25-6 25-6 Ave.: 25-6		Ave.:		25,7 25,	7 Ave.: 25,7					
D.O. (mg/L)	5-93 5-95 Ave.: 9.34	5.0 4.2	Ave.:	5.0 4.2	5.91 5.8	7 Ave.: 5.85	4.7 2.0 V				
D.O.S. (%)	: 83.5 83.8 Ave.: 83.7		Ave.:		83-2 82	* 1 4					
Turbidity (NTU)	1.3\ 4.27 Ave.:4.29		Ave.:			90 Ave.: 6.91	·	J.60 V 27		27.5 47.0 and 130% of C	
S.S. (mg/L)	Ave.:		Ave.:			Ave.:		23	.5 and 120% of CS6	34,4 and 130% of CS	86



Station:		SR9			Duration	n:	10:42	to	11=03		Depti	n of Water	(meter):_	5.8		Wet bulb o	alibra	ation for DO meter: _	8.37	mg/L (996	_%)_
			SURFACE	(S)	Action Limit	√/A/L	/	MIDDLE (N	A)	Action	Limit √/A/L		BOTTOM	(B)	Action Limit √/2	A/L DEPTH	√/A/L	ACTION		LIMIT	REMA	1RK
Depth (meter)	:		1.0	,									4.6			AVE.		1000000				
Temp. (°C)	:	25/3	25-2	Ave.: 25-2								25,2	25/4	Ave.: 25,2								
рН		7.85	7.85	Ave.: 7,85				 ,	<u> </u>			789	187	Ave.: 7.88	100							
Salinity (ppt)	:	25/7	25/7	Ave.: 25,7	15			/_	Ave.:			25/	25/7	Ave.: 25,7	4 7 3 0							
D.O. (mg/L)	:	6.06	6.02	Ave.: (.0+	5.0 4.2				Ave.:	5.0	4.2	548	594	Ave.: 5,97	4.7 2.0	4		14.4				
D.O.S. (%)	÷	85,3	847	Ave.: 85.0					Ave.:			20,2	337	Ave.: 84,0				27.5 4.1200/(CS/	47.0	4 1300V ACCSA		
Turbidity (NTU)	:	4.4	4,42	Ave. 4, 45					Ave.:			6.53	6.58	Ave. b. 56		7.21			7.5	d 130% of CS6 d 130% of CS6	470	
S.S. (mg/L)			,	Ave.:					Ave.:					Ave.:				23.5 and 120% of CS6	34.4 and	1 130% of CS0		
Station:			15		Duratio	on:	11209	to	11:2	2_	Dep	th of Water					calibr	cation for DO meter:	8.38		99.5	_%)
			SURFACE	(S)	Action Limit	√/A/L	I	MIDDLE (M)	Action	Limit √/A/L		BOTTOM		Action Limit √/	DEFIR	√/A/L	ACTION		LIMIT	REM.	ARK
Depth (meter)	:		1.0					5.6	T				10/2			AVE.	22.50					
Temp. (°C)	:	25,3	25-3	Ave.: 25-3			25,3	25,2	25/3			25/2	25.2	Ave.: 25,2								
pН	<u> </u>	7.80	7.82	Ave.: 7.8	12 mg/ 2		7.81	7.81	781			784	7.84	Ave.: 7.84								
Salinity (ppt)	:	25/7	25.7	Ave.: 25,7			25/7	25.7	Ave.: 25/			25.7	25/7	Ave.: 257								
D.O. (mg/L)	1	6,19	6,15	Ave.: 617	5.0 4.2		5,98	5.95	Ave.: 597	5.0	4.2	584		Ave.: 5.86	4.7 2.0	u						
D.O.S. (%)	- 7	87.5	87.0	Ave.: 87.3		100	84.0	83-6	Ave.: 83/8			820	825	Ave.: 823				27.5 and 12000 of CSA	47.0 an	d 130% of CS6		
Turbidity (NTU)	:	4.49	4.45	Ave.:4.4			6.23	6,25	Ave. 7 . 14			7,02	7.06	Ave. 7,04	100	3.92		27.5 and 120% of CS6 23.5 and 120% of CS6		d 130% of CS6	470	
S.S. (mg/L)];			Ave.:					Ave.:					Ave.:				23.3 una 120% of C30	34.4 and			
Station:		<u>IS1</u>	3		Durat	ion:	£ 1	-27 10_	11=41		_ De	pth of Wat			? }	Wet bul	b calii	bration for DO meter.	83.	2_mg/L	(99/6	%)
			SURFACE	(S)	Action Limit	√/A/L		MIDDLE (M)	Actio	n Limit √/A/	L	ВОТТОМ	(B)	Action Limit V	DEFIR	√/A/L	ACTION		LIMIT	REM	1ARK
Depth (meter)	1		1.0					4,0	9				8.8			AVE.						
Temp. (°C)	:	25,3	25.3	Ave.: 25.3			25/2	251	25/2			25/2	252	Ave.: 25.2	90 J							
рН	:	7-88	789	Ave.: 789			7,87	7-88	7.88			7,80	7.81	Ave.: 7.81				and the second s				
Salinity (ppt)	:	25,7	257	Ave.: 75.7			25/7	25 6	Ave.: 25/			45.7	25.7	Ave.: 25,7								
D.O. (mg/L)	1	601	6.04	Ave.: 603	5.0 4.2	\ <u>\</u>	5.82	5.78	Ave.: 5-86	5.0	4.2	5,80	5.84	Ave.: 5.82	4.7 2.0	\triangle						
D.O.S. (%)	1	84,4	342	Ave.: 845			21.9	1	Ave.: 817			816	82.1	Ave.: 81-9					1.5	J 12001 CCC		
Turbidity (NTU)		dd.42	4.62	Ave.:4.64			J.31	5.34	Ave.: 5:33			7.9	7.21	Ave.: 7.20		475	V			nd 130% of CS		
S.S. (mg/L)	:			Ave.:					Ave.:					Ave.:				23.5 and 120% of CS6	34.4 an	ad 130% of CS6	"	

Date

Impact Water Quality Monitoring - Data Record Sheet (Flood Condition)

Date



Date

pth (meter) mp. (°C) linity (ppt) O. (mg/L) O.S. (%) rbidity (NTU) S. (mg/L) ation: epth (meter) imp. (°C) illinity (ppt) C. (mg/L)	SURFACE	E (S)	Action Limit \(\sqrt{A/L} \)	MDD									
mp. (°C) : I : I : I : I : I : I : I :	10			MIDD	LE (M)	Action Limit √/A/L	ВОТТОМ	(B)	Action Limit √/A/	DEPTH VIAIL	ACTION	LIMIT	REMARI
				7	3			<u>76</u>		AVE.			
(inity (ppt) :	25,4 25,4	Ave.: 25,4		15,2 25,		CONTROL OF THE PARTY OF THE PAR	15,2 25,2	Ave.: 25.2					
O. (mg/L) : O.S. (%) : rbidity (NTU) : S. (mg/L) : ation: epth (meter) : mp. (°C) : tlinity (ppt) :	7.84 7.84	Ave.: 7-34		7.86 7.81		Control each service of the Control of	7.89 7.88	Ave.: 789					
O.S. (%) : rbidity (NTU) : S. (mg/L) : ation:	25,3 25,3	Ave.: 25.3		25,5 25,	5 Ave. 25.5	50 (3)	15.6 256	Ave.: 25.6	4.7 2.0				
rbidity (NTU) 5. (mg/L) ation: epth (meter) imp. (°C) H itinity (ppt)	1.03 6.06	Ave.: 6,05		543 59	6 Ave.: 5,95	5.0 4.2	5,98 5,95	Ave.: 597					
5. (mg/L) : ation: epth (meter) : mp. (°C) : thinity (ppt) :	876 84.1	Ave.: 74,4	Participation of the Control of the	83,3 83/			84.0 83.6	Ave.: 33.8			27.5 and 120% of CS6 27.5	47.0 and 130% of CS6	
epth (meter) : imp. (°C) : H : illinity (ppt) :	4.69 4.67	Ave.: 4.68		5.3 5.8		<u> </u>	5.60 5.64	Ave.: 5.62		J18 V	21.5 and 120% of CS6	34.4 and 130% of CS6	t7(2)
epth (meter) : imp. (°C) : H : illinity (ppt) :	`	Ave.:			Ave.:			Ave			25.5 4.14 12070 07 000		
mp. (°C) : H : ilinity (ppt) :	<u>IS14</u>		Duration:	12= 10_1	to 12=24	Depth	of Water (meter)	16	<u>6</u>	Wet bulb calib	oration for DO meter:	8,40 mg/L(19/1_
mp. (°C) : H : ilinity (ppt) :	SURFAC	E (S)	Action Limit √/A/L	MIDE	DLE (M)	Action Limit √/A/L	BOTTON	(B)	Action Limit √/A		ACTION	LIMIT	REMAR
dinity (ppt)	1.0							T.	100	AVE.			
ilinity (ppt)	254 254	Ave.: 25,14		25,2 25,	2 25.2		25.2 25.2	Ave.: 25-2					
	7.89 7.89	Ave.: 7,89	70 23 23	7.87 7.8	7 7.87		7.85 7.86	Ave.: 7.86			100000		
O (ma/I)	25,3 25,3	Ave.: 256		25,5 25,	5 Ave.: 25.5		25,5 25,4	Ave.: 255	17 20				
O. (mg/L)	6.02 6.06	Ave.: 6.04	5.0 4.2	597 5,91	+ Ave.: 596	5.0 4.2	5,92 5,96	Ave.: 5,99	. 4.7 2.0		and the second second		
.O.S. (%)	845 850	Ave.: 84.8	1000	838 83	14 Ave.: 83.6		83/1 83.6	Ave.: 83-6			27.5 and 120% of CS6	47.0 and 130% of CS0	
urbidity (NTU)	497 493	Ave. 495		J. 34 5,8			6.82 6.84	Ave.: 6.83		15.88 ~	23.5 and 120% of CS6	34.4 and 130% of CS6	7,0
S. (mg/L)	:	Ave.:			Ave.:				1				
tation:	CS4		Duration:	12=34 10	0 13:02	Depth	of Water (meter		<u> </u>		bration for DO meter:	8:39 mg/L (_9	
		SURFACE			MIDDLE			ВОТТОМ		D.	EPTH AVERAGE	REMARI	<u> </u>
epth (meter)	:	1.0							1 100: 3 = 3				
emp. (°C)	25,3	25-3	Ave.: 25.3	25,3	25.3	Ave.: 25.3	25,3	25,2	Ave.: 25,3		773 (PK)		
Н	7.83	7.84	Ave.: 7.84	T.85	7,84	Ave.: 7.85		1.86	Ave.: 7.86				
alinity (ppt)	25,3	25.3	Ave.: 25.3	25/5	25.5	Ave.: 25,5	25.5	25-4	Ave.: 25.75				
.O. (mg/L)	1: 6.0%	6.07	Ave.: 6.06	5,90	5,94	Ave.: 592	5,93	5.95	Ave.: 5,97				
.O.S. (%)	849	846	Ave.: 84.3	829	83.4	Ave.: 83/2	34.0	83.6	Ave.: 83.8 Ave.: 0 V	40	0.14		
urbidity (NTU)	896	894	Ave.: 8.95	8.1/	8.19	Ave.: 8, 18	8.67	8.95	Ave.: 8.26		8.46		
.S. (mg/L)	:		Ave.:			Ave.:			7,70				
-	scoloration of wate									-			
any notable pol	Mudant her all are -	ear monitorir	na eite 2 Y // Ni If	ves, elaborat	ion is as tollow	/S.				_			
Field Operat	onutant by others n	Lei W	19 Sile : 1 in		T	2 Con		ory Staff			Checked by		****

Date



ampling Date :_	8/11/2013	Weather Co	ndition: t-lv		t Temperature (°	(c): 2	_ Sea Condition	ons: <u>Calm ASm</u> e				rection of water		~~~
tation:	<u>CS6</u>		Duration:	17=20 10	17-59	Depti	n of Water (mete	r): <u>/c</u>	7.7		tion for DO meter:	<u>di. 40</u>		59. / 9
		SURFACE			MIDDLE			BOTTOM		DEPT	H AVERAGE		REMARK	<u> </u>
epth (meter)	·	1,0			6.1			1.2	T 2					
emp. (°C)	25.3	25.1	Ave.: 25.2	J5.0	25,2	Ave. JS.1	25,2	<i>35.</i> 0	Ave.: 25.1	14.				
Ч	7.64	7.66	Ave.:7-65	7.66	7.66	Ave.: 7.66	7.64	7.66	Ave.: 7.65					
alinity (ppt)	92.4	25.4	Ave.: 25, 4	25.8	25.6	Ave.: 25.7	35.8	25.8	Ave.: 25.8					
.O. (mg/L)	6-06	6.04	Ave.: 6.05	5.94	5.92	Ave.: 5.93	5.92	5.90	Ave. 5.91					
.O.S. (%)	34.8	84.6	Ave.: 84.7	£3.2	82.9	Ave.: \$3.1	82.9	82.6	Ave.: 62.8		f Prop.			
arbidity (NTU)	5.38	5.36	Ave.: 5.37	5.64	5.64	Ave.: 5.65	6.56	6.52	Ave.: 6.54		7.85			
S. (mg/L)	:		Ave.:	_	00	Ave.:			Ave.:					-20
tation:	SR10 (FCZ)		Duration:	17-19 to	(8+9)-	Depth	of Water (meter): <u>[3</u> ,	4	Wet bulb calibrat	ion for DO meter: _	<u>y, 40</u>		49.7 %
	SURFAC	E (S)	Action Limit √/A/L	MIDDI	LE (M)	Action Limit √/A/L	ВОТТО		Action Limit V	DEPTH √/A/L AVE.	ACTION		LIMIT	REMAR
epth (meter)	1 (0			6	.]			.4		AVE.				
emp. (°C)	25-2 25.4	Ave.: 25.3		25.2 25.	7 52.5		25.2 25.1							
Н	7.68 7.70			7.72 7.7	2 7.72		7.74 7.	16 Ave. 7.74						
alinity (ppt)	25.8 25.6	Ave.: 25.7		25.8 26.0			26.2 26.3	1 Ave. 26.2	17.00			100		
O. (mg/L)	5.84 5.86	Ave. 5.85	5.0 5.0	5.78 5.7		5.0 5.0	5.76 5.8		4.7 2.0					
D.O.S. (%)	6.68 8.18			20.9 80	6 Ave.: 80.8		80.6 81.	2 Ave.: 30.9			27.5 and 120% of CS4	- 47.0 and	130% of CS4 i	
urhidity (NTU)	5.25 5.8			9,00 9.0	4 Aveg.02		10.1 (0.			il.6 V	27.5 and 120% of CS4 23.5 and 120% of CS4	7.5 77.0 and	130% of CS4 130% of CS4	<u> </u>
S.S. (mg/L)		Ave.:			Ave.:			Ave.:			23.3 ana 120% oj CS4			
tation:	SR8		Duration:	500 J	17=12	Dept	h of Water (mete	r):4.			tion for DO meter:	8.41	mg/L (99.7
	SURFAC	E (S)	Action Limit √/A/L	MIDD	LE (M)	Action Limit √/A/L		OM (B)	Action Limit √	DEPTH V/A/L	ACTION		LIMIT	REMAI
Depth (meter)	1,0						3.1			AVE. V/A/L	9.0			
Temp. (°C)		f Ave. 25.4				100	254 25.3							
ρΗ	7.78 7.76	Ave					7.% 7.	8 Ave.: 7.7	}					
Salinity (ppt)	25.8 25.6				Ave.:		25.8 26.	o Ave.:35.9					1000	
D.O. (mg/L)	5.94 5.90		5.0 4.2		Ave.:	5.0 4.2		88 Ave.: 5.8	4.7 2.0					
D.O.S. (%)	83.2 82.				Ave.:		82.6 B.	3 Ave.: 82.5			27.5 1.2007 0.004	77.4	12000 6563	
Turbidity (NTU)	4.54 4.5				Ave.:		7.78 7.	74 Ave.: 7.7		6.16	27.5 and 120% of CS4		130% of CS4	FL.0
S.S. (mg/L)		Ave.:			Ave.:	100		Ave.:			23.5 and 120% of CS4	34.4 and	130% of CS4	



Station:		SR9			Duration:	(6-57	to	(6247	Depth	of Water (meter): よん		We	et bulb cali	bration for DO meter:	J. Go mg/1	(59.	7_%)
		2	SURFACE ((S)	Action Limit √/A/L	7	MIDDLE (M)		Action Limit √/A/L	I	BOTTOM (B)	Action Lin	iit √/A/L	DEPTH √/A	ACTION	LIMIT		REMARK
Depth (meter)	:		10		1,15						4.6			AVE.				
Temp. (°C)	:	25.5	25.7	Ave.: 25.6		254	256	25		25.4	25.6 Ave.: 25.					1000		
pН	:	7.74	7.78	Ave. 7.76						7.72	7.74 Ave.: 7.			10		10.00		
Salinity (ppt)	:	25.6	25.4	Ave.: 25.5				lve.:			25.8 Ave. 25.8					148		
D.O. (mg/L)	:	6,00	5.98	Ave.:5.99	5.0 4.2		16	1ve.:	5.0 4.2		5.94 Ave. 5.9	CENTRAL DE 190100	$^{\prime\prime} \checkmark\rangle$		13,000			
D.O.S. (%)	÷	84.0	8.7	Ave.:33.9			1000	1ve.:		83.4	BJ Ave. 33.				27.5 112201 (CC)	47.0 and 120% of	CS/ -	
Turbidity (NTU)	:		503	Ave.:				1ve.:		8.21	8.26 Aveg. 24			6-65 1		47.0 and 130% of 34.4 and 130% of		
S.S. (mg/L)	:			Ave.:				4ve.:			Ave.:				23.5 and 120% of CS4	34.4 and 130% of	C34	
Station:		ISI	15		Duration:	(6=17	to	16:3	L Dept	h of Water	1 /	0.4	И	vet bulb cal	ibration for DO meter:	8.4(mg/	L (99	.7_%)
			SURFACE	(S)	Action Limit √/A/L		MIDDLE (M	0	Action Limit √/A/L		BOTTOM (B)	Action Lir	nit √/A/L	DEPTH V/A	ACTION //.	LIMI	"	REMARK
Depth (meter)	:		(.0				5.2		100		9.4			AVE.				
Temp. (°C)	:	25.6	25.4	Ave. 25.5		25.3	25.5	25.4	100	25.3	25.3 Ave. 25.3							
рН	:	7.68	7.70	Ave: 7.69		7.74	7.76	7,75		7.76	7.74 Ave.7.7							
Salinity (ppt)	:	25.6	25.6	Ave. 25.6		25.6		Ave 25.7			25.5 AVST.7	4.7						
D.O. (mg/L)	:	6,04	6.06	Ave.:6.05	5.0 4.2	5.96		Ave. 595	5.0 4.2	5.92	1.90 Ave. 1.9	4.7 2						
D.O.S. (%)	:	84.6	14. l	Ave. 34.7		8.4		Ave. 33. 3		82.9	B-6 Ave.: 8.				27.5 and 120% of CS4 2	17.0 and 130% of	°CS4 ←	
Turbidity (NTU)	7	4.89	492	Ave.: 491		5.93		Ave. 193		6.99	7.03 Ave7.0		e e	197	27.5 and 120% of CS4 23.5 and 120% of CS4	34.4 and 130% of		
S.S. (mg/L)] :			Ave.:				Ave.:			Ave.:				25.5 and 12070 by CO.1			
Station:		<u>IS1</u> .	3		Duration:	17:7	to	(6×13	De,	oth of Wate	er (meter):	7,2		Wet bulb co	alibration for DO meter: _		g/L (<u>9</u> 5	
			SURFACE	E (S)	Action Limit √/A/L		MIDDLE (N	1)	Action Limit √/A/		BOTTOM (B)	Action L	mit √/A/L		ACTION A/L	LIMI	T	REMARK
Depth (meter)	:		(,0				4.6				f 7			AVE.				
Temp. (°C)		25.4	25.6	Ave 25.5		25.4	25.4	25.4		25,4								
рН	:	772	7.70			7.76		7.78		7.60	7.76 Ave.: 7.							
Salinity (ppt)	:	25.4	92.6	Ave.: 15.5		25.6	25.6	Ave		25.6	25.8 Ave 35.		2.0			3.98		
D.O. (mg/L)		6.04	6.00	Ave. 6.02	5.0 4.2	590	5.86	Aver 58	5.0 4.2	5,84		_ 62406600560000000	2.0					
D.O.S. (%)	:	84.6	84.0	Ave.: 84.3		m8482.	0.0	Ave. 2.3		8/.8	81.1 Ave.: 81			1 5	/ 27.5 and 120% of CS4	17.0 and 130% o	rcs+ ,_	
Turbidity (NTU)		2.23	3.39	Ave.: 5. Ju		6.69	6.68	Ave.:6.6		7.79	7.77 Ave.: 7.	78		6.57	23.5 and 120% of CS4	34.4 and 130% o	14K	
S.S. (mg/L)	:			Ave.:				Ave.:			Ave				12			



Station:	<u>IS12</u>	Duration:	5.40 10 (5° 54	Depth oj	f Water (meter):	14.2	Wet bulb calibration	on for DO meter:	1.40	mg/L (<u>99,7 </u>
	SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit √/A/L	BOTTOM (B)	Action Limit √/A	A/L DEPTH √/A/L	ACTION	L	IMIT	REMARK
Depth (meter)	1.0	1986	7.1		Po13.2		AVE. VIAIL				
Temp. (°C)	: 25.6 25.4 Ave.:2	5.5	25,4 25,4 25,4		25.4 25.2 AVES.	ري (ر					
pН	7.74 7.76 Ave.7	75	הר להר שהר		1.30 7.78 Ave.:7	• /					
Salinity (ppt)	25.4 25.4 Ave.:	X.Y BILL	25.6 25.4 Ave. 25.5		15.6 25.4 Ave.: 2	sis 📑 🔻					
D.O. (mg/L)	6.00 5.98 Ave. 5.	99 5.0 4.2 V	5.94 5.90 Ave.: 5.92	5.0 4.2	-86 5.84 Ave.:5	3.85 4.7 2.0 V					
D.O.S. (%)	RP.O 83.7 Ave. 8		8.2 B.6 Ave. 82.9	July 6		21.8		6004	- (7.0 L) 100	ov cost.	
Turbidity (NTU)	1 479 4.77 Ave.: (e.78 18 18 18 18 18 18 18	4.67 4.71 Ave. 4.69		6.85 Ave.: 6	,84	4000	5 and 120% of CS4 27.5			1.0
S.S. (mg/L)	: Ave.:		Ave.:		Ave.:	100	23	5 and 120% of CS4	34.4 and 130	% 0J CS4	_
Station:	<u>IS14</u>	Duration:	15-2210 (5-16	Depth o	f Water (meter):	(6.6		on for DO meter:	8.37	mg/L (99.6_%)
	SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit V/A/L	BOTTOM (B)	Action Limit √/,	A/L DEPTH V/A/L	ACTION	L	IMIT [*]	REMARK
Depth (meter)	: (0		8.3		0.6		AVE.				
Temp. (°C)	25.5 25.7 Ave. 2	2,6	25.5 25.3 25.4		15.4 25.2 Ave.:2			1000			
pН	7.76 7.74 Ave7	275 28 28 27.0	7.76 7.78 7.77		.82 7.80 Ave.7	18.				121	
Salinity (ppt)	: 25.4 25.4 Ave.:)		25.6 25.4 Ave. 25.5		25-6 25.4 Ave.: 2	5.5					
D.O. (mg/L)	5-98 5.96 Ave. 5	.97 5.0 4.2	5.94 5.92 Aver. 93	The second contract and second	5.94 5.90 Ave.:5						
D.O.S. (%)	3.7 8.4 Ave. g	3.6	B.2 829 Ave. B.	And the second second second second second	83.2 D.6 Ave. B	29	27	5 and 120% of CS4 17	47.0 and 130	0% o(CS) - 9	
Turbidity (NTU)	1 3.4 5.28 Ave.:	36,2	6.57 6.55 Ave.: 6.56		7.88 4.92 Ave.:4	-90 () () () () () () () () () (フ・ソニケー	5 and 120% of CS4	34.4 and 130		10
S.S. (mg/L)	: Ave.:		Ave.:		Ave.:		23.		<u> </u>		
Station: <u>CS4</u>	4(Upstream Control Station)	Duration:	4=17 10 LS:12	Depth o	of Water (meter):	23.4	Wet bulb calibrati	on for DO meter:	J 38	_mg/L (<u>59.5 %)</u>
	SUR	FACE	MIDDLE		BOTT		DEPTH	I AVERAGE		REMAI	r.K
Depth (meter)	(.0		4,)]		74.71	1.400					
Temp. (°C)	25.5 25	5.3 Ave.: 25.4	25,4 25,4	Ave. 25.4	25.3 25.3		1, 2, 3, 4, 5, 1				
pН	7.78 7.6		7.82 7.78	Ave.: 7.80	7.82 7.8	1 /	100				
Salinity (ppt)	25.4 25	1.4 Ave.: 35.4	25.6 25.6	Ave.: DS.	726 9.27			CONTRACTOR OF THE STATE OF THE			
D.O. (mg/L)		02 Ave.: 6.01	5.90	Ave.: 5-8	5.86 5.88				120%		130%
D.O.S. (%)		f. Cf Ave.: 84.3	82.4 82.7	Ave.: 82.6	J2, 2 J2.5			-7	120%	41.11	
Turbidity (NTU)	10.1	0.3 Ave.: (0.2	9.12 9.14	Ave.:9,13	9.06 9.08	Ave.: 9.07	9,1	+1	1	311.76	12-31
S.S. (mg/L)		Ave.:		Ave.:		Ave					
	discoloration of water ? Y الرا										
Any notable p	pollutant by others near mor	nitoring site ? Y (N) If	yes, elaboration is as follow	vs :			_				
Field Ope	erator De Viwai	hours Che	ecked by	(90)	Laboratory Staf	f		Checked by			
Date		<u> </u>	Date Sti	NB	Date			Date			



tation: <u>CS6 (Up</u> Septh (meter) : Semp. (*C) : H : salinity (ppt) : 0.0. (mg/L) :	SURFACE 1.0 25.3 25.3 7.67 25.2 25.2 6.33 6.31	Ave.: 25.3 Ave.: 7.63 Ave.:	12:54 to	13=00 MIDDLE 6 - 3	Ave	n of Water (mete	BOTTOM	6		ation for DO meter: TH AVERAGE	843	mg/L (_ REMA	99,7 1RK	%
emp. (°C) : H : alinity (ppi) : 0.0. (mg/L) :	1.0 25.3 25.3 7.69 7.67 25.2 25.2	Ave.: 7.68		6.3	Ave.:				DEF	TH AVERAGE		REMA	1 <i>RK</i>	•
emp. (°C) : H : alinity (ppi) : 0.0. (mg/L) :	25.3 25.3 7.69 7.67 25.2 25.2	Ave.: 7.68			Ave.:		11 1							
H : alinity (ppt) : 0.0. (mg/L) :	7.69 7.67 25,2 25,2	Ave.: 7.68		25.3			11-6_	4110 :						
(alinity (ppt) :	25,2 25,2	7.68	770		25.5	25-2	25/2	Ave.: 25,2						
).O. (mg/L) :		Ave.:	7.70	7.69	Ave.: 170	7/12	1,71	Ave.: 7.72						
	(2)	25,2	25,3	25,2	Ave.: 25-3	25-3	25/3	Ave.: 25 h						
(O.S. (%)	6.33 6.31	Ave.: 6.32	6,36	632	Ave.: 6,34	6,28	6,30	Ave.: 6.29		and the second second second		T		
1	7,88 0.98	Ave.: 88,9	89,7	785	Ave.: 89.0	88.1	88/4	Ave.: 38/3			1.	20%	130	%
urbidity (NTU) :	4.61 4.65	Ave.: 4.63	5,36	5,32	Ave.: 534	5,01	5,08	Ave.: 5,05	5.	01	6	(,0)	6,5	;]
.S. (mg/L) :		Ave.:			Ave.:		•	Ave.;						
tation:	SRIO (FCZ)	Duration:	13224 to	13:39	Depth	of Water (meter,	: 13,8			tion for DO meter: _	8,38	mg/L (99-4	9/
	SURFACE (S)	Action Limit \(\sqrt{A/L} \)	MIDDLE	(M)	Action Limit V/A/L	ВОТТС	M (B)	Action Limit √/A/I	DEPTH √/A/L	ACTION		LIMIT	i	REMAR
epth (meter)	1.0		6	٦,		12	1.78	100	AVE. VIAIL					
етр. (°С)	15.6 25.6 Ave.: 25.6		25/3 25/3	15.3	100 Care	25,3 25,3	Ave.: 25,3							
Н :	7.74 7.74 Ave.: 7.74		776 778	7.77		724 7.8								
alinity (ppt)	249 mg Ave. 249		25.0 25.1	Ave.: 254		25.2 25.2	Ave .	100						
).O. (mg/L)	6,40 6.44 Ave. 6.42	5.0 5.0	6.36 6.34		5.0 5.0	6.30 6.27	1400 . 6	4.7 2.0 V						
D.O.S. (%)	89,9 90,5 Ave.: 90,2		89.3 89.0			88.4 88.0	Ana ·							
	5.61 5.65 Ave.: \$63		5,36 5,32	Ave .	2 20 2 20 2	5,06 5,0			5.34	27.5 and 120% of CS6	275 47.0 and	1 130% of CS6	47.0	
.S. (mg/L)	Ave.:		7/30 7/32	Ave.:			Ave.:			23.5 and 120% of CS6	34.4 ana	130% of CS6		
itation:	SR8	Duration:	13=54 10	145.07	Depth	of Water (meter): 5,2	Į	Wet hulh calibr	ation for DO meter:	8,41	mg/L (99-5	
	SURFACE (S)	Action Limit √/A/L	MIDDLE		Action Limit $\sqrt{A/L}$	BOTTO	, <u></u>	Action Limit V/A/		ACTION		LIMIT		REMAF
epth (meter)	(-0					4	1		AVE. √/A/L					
emp. (°C) :	25,2 25,2 Ave.: 25.2			$\sqrt{}$		25,2 25,	Ave.:							
Н	Ave.: - a			1		780 78	14	THE STREET STREET STREET						
alinity (ppt)	7.8\ 7.82 1.82 25.3 25.3 Ave.: 25.3			Ave.:		25,3 25,3	1110 -	LEGISLANDON CANDANTA SE SOCIO						
).O. (mg/L)	6.32 6.34 Ave.: 6.33	5.0 4.2		Ave.:	5.0 4.2	6,28 6,2	4	17 20						
D.O.S. (%)	28.7 89.1 Ave.: 38.9			Ave.:		881 87	4							
Surbidity (NTU)				Ave.:		11.0 11.0	Ave .	Call Call Contain Market	9,12	27.5 and 120% of CS6	17.5 47.0 and	d 130% of CS6	47.0	
S.S. (mg/L)	7-20 7.25 Ave.:		/	Ave.:		11.0 11/6	Ave.:		題 1/ [2]	23.5 and 120% of CS6	34.4 and	1 130% of CS6	11.0	



Station:	SR:	9		Duration:	1421	10 4=24	Dept	h of Water (meter):	5.8	и	et bulb cali	bration for DO mete	r: <u>8144</u>	mg/L (79,5 %)
`a		SURFACE ((S)	Action Limit √/A/1		MIDDLE (M)	Action Limit √/A/L	. ВОТТОМ	(B)	Action Limit √/A/L	DEPIH	ACTION		LIMIT	REMARK
Depth (meter)	:	1.0						4,5	ξ		AVE.	72			
Temp. (°C)	25,7	25.2	Ave.: 25,2					25,2 25,1	Ave.: 251			100 at 110		i di di	
рН	7.81	7.80	Ave.: 7-81		TA.			7.82 7.82	Ave.: 7-82						
Salinity (ppt)	25,4	25-4	Ave.: 25,4			Ave.:		25,3 25,2	Ave.: 25-3	7 20					
D.O. (mg/L)	6,09	6.00	Ave.: 6.08	5.0 4.2		Ave.:	5.0 4.2 V	6,10 6.07	Ave.: 6.09	4.7 2.0		100000000000000000000000000000000000000			
D.O.S. (%)	85,4	85.0	Ave.: 95,2			Ave.:		85,5 85,1	Ave.: 85,3			27.5 11309/ 609	47.0	J 12007 - CCC4	
Turbidity (NTU)	6,85	6.81	Ave.: (33	194		Ave.:		6,77 6.72	Ave.: 6.75		6.79	27.5 and 120% of CS	127.5	d 130% of CS6	47.0
S.S. (mg/L)	:		Ave.:			Ave.:			Ave.:			23.3 and 120% of CS	6 34.4 and	2 130% of C30	
Station:	<u> </u>	315		Duration:	14:35	to <u>14=50</u>	Dep.	th of Water (meter):	10-	8	Vet bulb ca	ibration for DO mete	er: <u>8,39</u>	mg/L (_	99,3 %)
		SURFACE	(S)	Action Limit √/A/	Z.	MIDDLE (M)	Action Limit √/A/L	BOTTOM	(B)	Action Limit √/A/L	DEPTH V	ACTION		LIMIT	REMARK
Depth (meter)	:	1-1				5.4		9,	- U		AVE.				
Temp. (°C)	25/2	25.2	Ave.: 25,2		25,2	25.2 25.2	4.5	25.) 25.)	Ave.: 25-2						
рН	7,84	7.84	Ave.: 7.84		7-86	786 786		785 784							
Salinity (ppt)	25,3	25.2	Ave.: 25.3		25,3	25-3 Ave.: 25.3		25-3 25-3	Ave.: 25-3					# 40°	
D.O. (mg/L)	6 20	6,23	Ave.: 6,22	. 3.0 4.2	6,22	1 19 Ave.: 6.21	3.0 4.2	6,21 6,19	Ave.: 6,20	4.7 2.0					
D.O.S. (%)	87.0	87.4	Ave.: 87-2		873	86.9 Ave.: 87-1		87,1 86,8	87.0	740		27.5 and 120% of CS	47.0 cm	420% of CSA	
Turbidity (NTU)	6.80	6,85	Ave.: 6,83		562	5,68 Ave.: 5,65		6.04 6.08	Ave.: 6.06		6-18	23.5 and 120% of CS	27.5 47.0 am	d 130% of CS6 d 130% of CS6	r7-0
S.S. (mg/L)	:		Ave.:			Ave.:			Ave.:			23.5 and 120% of CS	34.4 an	a 13070 bj C30	
Station:	<u>IS</u> .	13		Duration:_	14=	56 to 15= 10	De	pth of Water (meter	-			alibration for DO me	eter: 8,4	0mg/L (99.6 %
		SURFACE	(S)	Action Limit √/A	L	MIDDLE (M)	Action Limit √/A/	L BOTTON	! (B)	Action Limit $\sqrt{A/A}$	DEPTH V	ACTION A/L		LIMIT	REMARK
Depth (meter)	:	1.0				4.9	100 000	3/3	3		AVE.				
Temp. (°C)	25.3	25,3	Ave.: 25,2		25,2	25,2 25,2	-	25.2 25.2							
рН	7,86	185	T.8 6		7-85	7.85 7.85		7-83 7.82	Ave.: 7.83						
Salinity (ppt)	25-2	253	25-3)	25,3	25-3 Ave. 25,3		25-3 25.3	Ave.: 25.3	17 20					
D.O. (mg/L)	6,23	6,27	Ave.: 6,25	5.0 4.2	625	6,21 Ave.: 6,22	5.0 4.2	6,19 6,16	Ave.: 6/18						
D.O.S. (%)	37.5	8810	Ave.: 378		37/6	87.1 Ave.: 87.		86.3 86.4	Ave.: 86-6			27.5 and 120% of CS	S6 47.0 ~	nd 130% of CSG	-
Turbidity (NTU)	8,57	8.52	Ave.: 8,55		12.8	12,7 Ave.: 12,8		10-3 10-2	Ave.: 10,3		10/6	27.3 and 120% of CS 23.5 and 120% of CS	21/5	na 130% of CS6	47-0
S.S. (mg/L)	÷		Ave.:			Ave.:			Ave.:			23.3 and 120% of C3	34.4 dr	ia 13070 0J CS0	



Station:	<u>IS12</u>	Duration: 15	<u> </u>	1532	Depth o	of Water (meter	1. 14.6			on for DO meter: $_$ $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	·39 mg/L (90	1/4 %)
	SURFACE (S)	Action Limit √/A/L	MIDDLE	(M) A	ction Limit V/A/L	BOTTO	M (B)	Action Limit √/A/	DEPTH V/A/L	ACTION	LIMIT	REMARK
Depth (meter)	1.0		7,	3		13/			AVE.		lance of the second	
Temp. (°C)	25.7 25.2 Ave.: 25.2		5,2 25,2	25.2		15-2 25%	2 Ave. 25-2					
pH :	7.82 7.82 Ave.: 7.82		7.85 7.89	7.85	7	188 787				A CONTRACTOR		
Salinity (ppt)	25.3 25.3 Ave.: 25.3	2	5,3 25,3	Ave.: 25-3		5-3 25/	Ave.: 25-3			100		
D.O. (mg/L)	6.07 Ave.: 6.07	5.0 4.2 \ 6	.08 6.04	1 6,001	5.0 4.2	36 6/14		4.7 2.0				
D.O.S. (%)	85-8 85-2 Ave.: 85-5	8 8 8 8 8	5,5 85.0	Ave.: 85-3	Company Comments (Comments)	16,4 86,1	Ave.: 86.3			5 12000 5000	47.0 1 1200/ of CSA	
Turbidity (NTU)	5,94 5,9) Ave. 5,96	5	78 577	Ave.: 5.78		5.01 5.09	Ave.: 5.05		ラルリー	12/5	47.0 and 130% of CS6 24 34.4 and 130% of CS6	70
S.S. (mg/L)	Ave.:			Ave.:			Ave.:		23.	5 and 120% of CS6	<u> </u>	
Station:	<u> 1</u> 514	Duration: 15	10_10	15:55	Depth o	of Water (meter		· .	Wet bulb calibrati	on for DO meter: $_$ $\$	141 mg/L (9)	9-6 %)
	SURFACE (S)	Action Limit √/A/L	MIDDLE	(M)	Action Limit $\sqrt{A/L}$	BOTTO	M (B)	Action Limit √/A/	DEPTH V/A/L	ACTION	LIMIT	REMARK
Depth (meter)	1.0		8,3	3		15	4		AVE. V/A/L			
Temp. (°C)	25,2 25,2 Ave.: 25,2		5,2 25-2	25,2		25.2 25.2	Ave.: 25.2					
pH :	7.84 7.84 Ave.: 7.84	7	85 7.85	7.85		7-81 7-82						
Salinity (ppt)	25.3 25.3 Ave.: 25.3	2	5,3 25,3	Ave.: 25,3		5,3 25%						
D.O. (mg/L)	6,27 6,29 Ave.: 6,28	3.0 4.2 6	10 6.07	Ave.: 6,00	5.0 4.2	6.09 6.05		4.7 2.0 ~				
D.O.S. (%)	88.1 88.4 Ave.: 88,3	8	5,7 85,3	Ave.: 85-5		85,3 87,8	Ave.: 35-1			5 11200/ -0000	1200 - 1200 Lun 0.50	*
Turbidity (NTU)	5,27 5,33 Ave.: 5,31		5.09	Ave.: 5.05		5,69 5,79			5-36 V	1 413		7-0
S.S. (mg/L)	Ave.:		,	Ave.:			Ave.:		23.		34.4 and 130% of CS6	
Station:	CS4	Duration:	b=07_10_	16:34	Depth	of Water (meter): <u> </u>			J	,42 mg/L (9	
	SURFACE			MIDDLE			ВОТТОМ		DEPTH	H AVERAGE	REMARK	
Depth (meter)	0,1			11/4			21.8	1 4		444	···	
Temp. (°C)	25.3 25.3		25.2	25/2	Ave.: 25.2	15.2	25,2	Ave.: 25.2				
pΗ	7.87 7.88	Ave.: 188	7,86	7.86	Ave.: 7.86	7.85	7.86	Ave.: 7.86		,		
Salinity (ppt)	25.2 25.2		25,3	25/2	Ave.: 25,3	25.3	25-3	Ave.: 25.6				
D.O. (mg/L)	6.36 6.33	Ave.: 6.35	6.03	507	Ave.: 610	6,17	6/14	Ave.: 616		100 E		
D.O.S. (%)	89,3 88,9	Ave.: 8816	84,8	85,3	Ave.: 351	86-6	86,2	Ave.: 86-4				
Turbidity (NTU)	5,94 5,98	Ave.: 5,96	6-47	6,42	Ave.: 6,45	6,28	6.35	Ave.: 6.32	6,4	<u>tı</u>		
S.S. (mg/L)		Ave.:			Ave.:			Ave.:	<u> </u>			
Any notable disc	coloration of water?Y/N If y	es, elaboration is a	s follows:									
Any notable poll	utant by others near monitoring	g site ? Y / 🕡 If ye	s, elaboration	is as follows	·	-						
Field Operate	or Mak Stei Win	Check	ked by	de	to	Labora	tory Staff			Checked by		
Date	11/11/13	Do	ate	11/11	113	D	ate			Date		



					V	ient Temperature (* 10 <u>20</u>	Depth					ation for DO meter: _	2×1 mg/1	L(Sl.6
tation:	1 1,2	CS6	SURFACE	Duration	7446	MIDDLE		of truter (mete	ВОТТОМ		,	TH AVERAGE		EMARK
epth (meter)	1:		1,0			6.1			1/.2					
етр. (°С)	1:	1J-10	V500	Ave.:	75.1	24-1	Ave.:	Dol	25.1	Ave.:				
Н		7-83	7.82	Ave. 7-83	7.8 K	7.8×	Ave.: 7,84	7.83	7.8x	Ave.: 7.84				
alinity (ppt)	+	V3,2	Un	Ave. 24-2	14.)	25.3	Ave.: 25.3	2A-X	<i>U-Y</i>	Ave.:				
.O. (mg/L)		6.14	6.10	Ave.: 6.12	6.0 %	6.00	Ave.: 602	0.88	5,64	Ave. 7.71				
0.O.S. (%)	:	86.3	88.7	Ave.: 86.0	84.9	84.3	Ave.: 84.6	82.6	83.5	Ave.: 83_[
urbidity (NTU)	1 5	.14	5.07	Ave.: 5.16	4.74	4.78	Ave.: 4.77	5.10	490	Ave.: 5-0K	Y	.57		
S. (mg/L)	-		,	Ave.:	Į.		Ave.:		<u>'</u>	Ave.:				
tation:	SRI	0 (FCZ)		Duration:	216	10 2231	Depth	of Water (meter): <u>13.4</u>			ion for DO meter:	LXv mg/L	
		SURFACE	E (S)	Action Limit √/A/L	MIE	DDLE (M)	Action Limit √/A/L		OM.(B)	Action Limit V/A/	L DEPTH √/A/L	ACTION	LIMIT	REMA.
epth (meter)	:	1.0				6-7		12.			AVE.			
emp. (°C)	: \st.	2501	Ave.: 241		25,2 2	5.2 15.2			2 Ave.: V-2		10.00	Applement Co.		
Ч	7.8	3 7.83			7.82 2	82 782		782 7	Pz Ave.:) &z					
alinity (ppt)	15,		Ave. VII		121	5.2 Ave. 15.2	50 50 5	A3 1.		(7 20		a design		
O. (mg/L)	6.0		Ave.: 6-12	5.0 5.0	08	50 Ave.:6.03	5.0 5.0	F.P7 J.S	Po Ave. + SY	4.7 2.0				
.O.S. (%)	· 85-	x 86.8	Ave.: 86.0			4.3 Ave. 84.7			3 Ave. 83.4		7.0	27.5 and 120% of CS4	47.0 and 130% of	C\$4
urbidity (NTU)	4.8	2 4.88			×,74 4.	60 Ave. 67	16166	4.48 KF	t Ave X52			27.5 and 120% of CS4 27 23.5 and 120% of CS4	34.4 and 130% of C	
S. (mg/L)			Ave.;			Ave.:		<u> </u>	Ave					
tation:		SR8		Duration:	2126	10 2136	Depth	n of Water (mete	r): 4={			ution for DO meter: _		L(<u>9l.7</u>
		SURFAC	E (S)	Action Limit √/A/	. MII.	DDLE (M)	Action Limit √/A/L		ОМ (B)	Action Limit √/A	^{/L} _{DEPTH} √/A/L AVE.	ACTION	LIMIT	T REMA
epth (meter)	:	j, o						3	8		AVE.			
emp. (°C)	1250	1 2501	Ave.:	1,577	-		10.0	V-1 V		5.4				
4	: 7.8	3 283	Ave. 283	73,185				782 78	, , , , , , , , , , , , , , , , , , , ,	CONTRACTOR				
alinity (ppt)	2/1	0 2tio	Ave.:			Ave.		7.2 V.						
.O. (mg/L)	6.10		Ave.: 6-17	5.0 4.2 V		Ave.:	5.0 4.2	6.00 6:						
	86	3 87.1	Ave. 2.7			Ave.:		84.3 St.	4 Ave.: 848 Ave.: 32		948 . 1	27.5 and 120% of CS4 27	47.0 4.13.00/ -4	(63)
).O.S. (%)	481	/	Ave. TS6		600	Ave.:		1228 13.1						



ь Static	on:	SR	9		Duration	:_2	106	to	2116		Depti	of Water	(meter):_	5.4			alibration	for DO meter: _	8,46	_mg/L (%)
			SURFACE	(S)	Action Limit	√/A/L	M.	IDDLE (M)) /	Action L	Limit √/A/L		BOTTOM		Action Limit √/	A/L DEPTH AVE.	//4/[ACTION		LIMIT		REMARK
Depth	(meter)		(60										4.1			AVE.	,,,,,					
Тетр.	(°C)	75,0	ひつ	Ave.:					<u> </u>			7\$.00	15,0	Ave.: VI,0								
рΗ		7.82	7.83	Ave. 7.83								7.82	282	Ave. 7.82								
Salini	ıy (ррі)	28-2	25.2	Ave. 52					4ve.:			ひら	冰火	Ave.:								
D.O. ((mg/L)	6.12	6.14	Ave.: 6.13	5.0 4.2	V	/	7 /	4ve.:	5.0	4.2	6.08	6.04	Avef.06	4.7 2.0 V	/ <u> </u>						
D.O.S	5. (%)	86.0	86.3	Ave.: 85.2				/	Ave.:			Stix	84.P	Ave.: 85.2								
Turbic	dity (NTU)	5.82	5,68	Ave.:5.75					Ave.:			321	6.13	Ave.: 1,06		J-31	27.5	and 120% of CS4	17.0 and 1		47.0	
S.S. (1	ng/L)	:		Ave.:			/	· /	Ave.:					Ave.:			23.5	and 120% of CS4	34.4 and 1	30% of CS4		
Certi			515		Duration	n·	2041	to	2056	Keessa Sanda	Den	th of Wate	r (meter):	1.0]	4	Wet bulb c	alibratio	n for DO meter: _	8,43	mg/L (_	PP.) %)
₹ Statio	on:	<u>/,</u>	SURFACE	(S)	Action Limit			IDDLE (M			Limit √/A/I		BOTTOM		Action Limit V			ACTION		LIMIT	1	REMARK
Deptl	ı (meter)	:	1,0	(-)				5.2					9-4	<u></u>		AVE.	//A/L		4.0			
, 	. (°C)	25.0	25.0	Ave.:			249	24-8	DY-8			24.8	2758	Ave. 24. 8					100 PM			
pН		7.83	7.82	Ave. 283			^	7.82	782			7.82	1									
·	ity (ppt)	75-1	23.1	Ave.: 27.1		The second second	15.2 2º		Ave.: USD			25.3	75.3	Ave.:								
-	(mg/L)	108	6.12	Ave.: 6.(0	5.0 4.2	7			Ave. Los		4.2	3.18	¥ Rt	Ave.: 381	4.7 2.0	V						
	S. (%)	4.28	86.0	Ave.: 25.	1	2			Ave. 85,0		7	860	83.5	Ave. 33.8								
	idity (NTU)	89.2	46,0	Ave. J. bl		STANDON SEC			Ave.:5.77			630		Ave.: 6.36	2	J. (3.1)	27.5	and 120% of CS4 21	47.0 and	130% of CS4	47-0	
	(mg/L)	1 2'00	307	Ave.:			100					870	10211	Ave.:		7		and 120% of CS4		30% of CS4		
			<u></u>	1		. ~	2 = 1 /		2031		D.	nth of Wo	ter (meter): G.(<u></u>	Wet hulh	calibrati	ion for DO meter:	8,42	mg/L	C 88.	6 %)
Stati	on:		13	2.001	Action Limit	,	2016	MIDDLE (A			_ De		BOTTON		Action Limit V	(/A/L		ACTION		LIMIT		REMARK
Daniel	to Grandon	:	SURFACE	(3)	ACTION LIMIT	VAL		4.7		70107			g,	×:		AVE.	√/A/L					
ļ	h (meter)		1:0	Ave.: VI. v			3 0	· · · · · · · · · · · · · · · · · · ·				248		Ave.: 24. 8								
-	o. (°C)	25.0				100000000000000000000000000000000000000		V.0	200			782										
pΗ		7.83	7-83					7,82	7.82 Ave. 7.1			182		Ave.:								
	ity (ppt)	28.1	1/2-7	Ave.: 6.3		CONTRACTOR OF THE PARTY OF THE		231	Ave. & Sty	, 5.0	4.2	5.98				. /						
	(mg/L)	6.00	6.04	Ave. ()		250000000000000000000000000000000000000			Ave.: 83.4	<u>ا</u>	V	Sec. 1		Ave.: 9 7		√						
	S. (%)	84.3	84.9	Ave.: 0 > 7	7	100000000	-	829	83. 4 Ave.: 12.2			93.5 9.05	82.9	Ave.: 9, 0		9.84	27.:	5 and 120% of CS4	7.5 47.0 and	130% of CS4	47.0	
	idity (NTU)	8.28	48,48	Ave.:			12.5	12.0	12.2 Ave.:			1.00	18.16	Ave.:		104		5 and 120% of CS4		130% of CS4		
S.S.	(mg/L)	<u> </u>												1							L	



Station:	IS12	Duration: (8	51 10 2006	Depth of V	Vater (meter):	o Wei	bulb calibration for DO meter:	\$160 mg/L(_	SP.4 %)
<i></i>	SURFACE (S)	Action Limit $\sqrt{A/L}$		Action Limit V/A/L	BOTTOM (B)	Action Limit $\sqrt{A/L}$	EDTH ACTION	LIMIT	REMARK
Depth (meter)	1.0		7.0		13.0		AVE. √/A/L		
Temp. (°C)		MO OF STATE	1 21.1 15-1	1 1 1	D X D Ave.	v statistical			
pН	7.83 7-83 Ave.		82 782 782	7.8	1 7.81 Ave.: 7.8	ン製造物権			
Salinity (ppt)	120 styl Ave.		Ave -	X SELECTION AND AND ADDRESS OF THE PARTY OF	ンガン Ave.: xx.				
D.O. (mg/L)	1 7.87 +92 Ave.		10 5.86 Ave. 5.87	5.0 4.2 / 5.	88 J. Sz Ave. 7-9				
D.O.S. (%)			2.8 82.0 Ave 82.6	8	2.6 83 ~ Ave.: 82			1200 12000 1555	
Turbidity (NTU)			-79 £63 Ave. 371	5	72 J.66 Ave. J.61		5.46 \ 27.5 and 120% of CS4 27.		47,0
S.S. (mg/L)	: Ave.:		Ave.:		Ave.:		23.5 and 120% of CS4	34.4 and 130% of CS4	
Station:	IS14	Duration: 3	926 to 1981	Depth of \	Water (meter):	O We	t bulb calibration for DO meter: _	<u>\$3</u> mg/L (_	10.4 %
	SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit √/A/L	BOTTOM (B)		DEPTH √/A/L ACTION	LIMIT	REMARI
Depth (meter)	/,0		G. J		15.0	1.4	AVE. VIALE		
Temp. (°C)	: 28.P DE P Ave.	Uf the 2	1.0 VI.0 VI.0	N S B V					
pН		The second secon	84 7.84 7.84	14 2 2		3			
Salinity (ppt)	A. 1 2 Ave.	W1 2	NI VIV Ave. VIV	\sim	~ V-2 Ave.: V.				
D.O. (mg/L)	602 610 Ave.		600 586 Ave. 588	5.0 4.2 1 6-	10 6.00 Ave: 6.0	1 4.7 2.0			
D.O.S. (%)		8x.3	43 83.7 Ave. 84.0	8	17 84.3 Ave.: 15.		/ 275 11200/ CCS4 =	ce 17.0 and 120% of CS4	
Turbidity (NTU)	5.37 5.42 Ave.	J. Yo . J. J. J. J.	.96 5.88 Ave. 3.82	6	.10 6-22 Ave.: 6.1	6 1 1 1 1 1 1	27.5 and 120% of CS4 7),	5 47.0 and 130% of CS4 34.4 and 130% of CS4	4/0
S.S. (mg·L)	: Ave.		Ave.:		Ave.:		23.3 and 120% of CS4	34.4 and 130% of C34	
Station: CS41	(Upstream Control Station)	Duration:{9	01 10 1916	Depth of	Water (meter): 22	. 10 We	et bulb calibration for DO meter: _	8.47 mg/L(
		JRFACE	1 MIDDLE	/	ВОТТОМ		DEPTH AVERAGE	REM.	ARK
Depth (meter)	: /	্ত	11.0		21.0		The Suitable State Co.		
Temp. (°C)		Ava :	21.0 Vt-0	Ave.: VI.0	VJ-1 VI.1	Ave.: 25./		<u> </u>	
рН		284 Ave.: 284	7.83 7.83	Ave.: 7.83	7.83 7.83	Ave.7-83			
Salinity (ppt)		7K.0 Ave.: 25.0	41 41	Ave.: 25-1	VII V.2	992			
D.O. (mg/L)		6.00 Ave.: 5.06	V.P7 J.80	Ave.: 7.PG	5.84 t.80	Ave.: 182		1200/	1200/
D.O.S. (%)		84.3 Ave.: 84.1	83.P 82P	Ave.: 2.5	821 81.5	Ave.: 81.8		120%	130%
Turbidity (NTU)	1 5.48 £	60 Ave.: Jox	5.7° 5.93		680 7.04	Ave.: 6.82	6.(1	7.33	7.84
S.S. (mg/L)		Ave.:		Ave.:		Ave.:			T
Any notable d	iscoloration of water ? Y	(N) if yes, elaboration is a	s follows:			Mart source.			
Any notable p	ollutant by others near m	onitoring site ? Y / (V) If ye.	s, elaboration is as follows	s:					
Field Oper	ator Oz	oler Check	ked by	lan	Laboratory Staff		Checked by		
Date	[[-]]	-13, Da	ate ((/	11/12	Date		Date		



		ig - Data No	scora oneer (L										
Sampling Date :	13-11-2013	Weather Cor	ndition: Clad	Ambient	Temperature (_{co:} 23	Sea Condition	ons: <u>Calm/Sm</u> a	U Wave / Great W	<u>Vave</u> Tide Mod	de: <u>Ebb Tide</u> <u>Dire</u> c	ction of water current: Fr	om CS4 to CS6
Station:	CS6		Duration:	10:54 10	11:1	<u>Dept.</u>	h of Water (mete	r):1 <u>2</u>	14	Wet bulb calibra	tion for DO meter: _	8-36 mg/L(99.2%
		SURFACE			MIDDLE			BOTTOM		DEPT	H AVERAGE	REMARI	ξ
Depth (meter)		1,0			6.2			11.4					
Temp. (°C)	24.9	24.9	Ave.: 24.9	248	247	Ave.: 24.8	24.7	247	Ave.: 24.7				
pΗ	7.79	7.79	Ave.:-7. 79	7.85	7.85	Ave.: 7.85	7.88	7.87	Ave.: 788				
Salinity (ppt)	25.0	25.0	Ave.: 25.0	25.0	25.0	Ave.: 25.0	25.1	25:1	Ave.: 25.1				
D.O. (mg/L)	1 11	6.19	Ave.: 6,18	6.12	6.10	Ave.:	6.02	6.08	Ave.: 6.05				
D.O.S. (%)	86.2	86.6		857	85.4	Ave.: 85.6	84.3	85.	Ave.: 84.7				
Turbidity (NTU)	3.21	3.29	Ave.: 3,25	3.47	3.49	Ave.: 3.4B	3.67	3.70	Ave.: 3.69	3,4	-7	*	
S.S. (mg/L)	1:		Ave.:	3//		Ave.:		2.10	Ave.:				
Station:	SR10 (FCZ)		Duration:	0:28 to	10:4	8 Depth	of Water (meter)	134			on for DO meter:	8.39 mg/L (19.6 %
	SURFACE	: (S)	Action Limit √/A/L	MIDDL	E (M)	Action Limit √/A/L	ВОТТО	ЭМ (B)	Action Limit √/A/I	DEPTH	ACTION	LIMIT	REMARK
Depth (meter)	1,0			6.	7		12	4		AVE. √/A/L			
Temp. (°C)	749 249	Ave.: 24.9		24.8 24	8 748		248 24	7 Ave.: 248					
рН	7.82 7.83	Ave.+7.83		7.99 7.9	\$ 7.99		7.91 7.9	2 Ave.: 792					
Salinity (ppt)	249 250	1,		75.0 25.		CHECKS IN THE STREET, SPECIAL CO.	25.1 25	1 Ave.: 25.1					
D.O. (mg/L)	6.03 6.07		5.0 5.0	5.93 59			5,90 5.8		4.7 2.0				
D.O.S. (%)	344 849			830 831	Ave 33.3		82.6 82.	2 Ave.: 82.4					
Turbidity (NTU)		HAVE 3,65		3.27 3.2	1 Ave.: 3.24			H Ave.: 343		344 / 2	7.5 and 120% of CS4	15 47.0 and 130% of CS4	17.0
S.S. (mg/l.)	. 9.00	Ave.:			Ave.:			Ave.:	agili.	2	3.5 and 120% of CS4	34.4 and 130% of CS4	
Station:	SR8		Duration:	10:08 to	10: 2	2 <u>3</u> Depti	h of Water (meter	r): <u>5, 0</u>	F	Vet bulb calibrai	tion for DO meter:	8 40 mg/L (79.3 %
	SURFACI	E (S)	Action Limit √/A/L	MIDDL	E (M)	Action Limit √/A/L	BOTTO	OM (B)	Action Limit √/A/	DEPTH JAM	ACTION	LIMIT	REMARK
Depth (meter)	1,6)			/		لبا	70		DEPTH AVE. √/A/L		STATE OF	
Temp. (°C)	249 249	Ave. 24.9					24.8 24.	8 Ave.: 24.8					
рН	7.88 7.88	1 .						10 Ave.: 79C					
Salinity (ppt)	249 249				Ave.:		25.0 25.	1 Ave.: 25.1	Contraction Section Section 5			AME STATE	
D.O. (mg/L)	5,97 5.99		5.0 4.2		Ave.:	5.0 4.2		30 Ave. 5.79	4.7 2.0				
D.O.S. (%)	83.6 839				Ave.:		80.8 81.					9	
Turbidity (NTU)	3.16 3.20				Ave.:		3.65 3.6	8 Ave. 36		3t3 V	7.5 and 120% of CS4	15 47.0 and 130% of CS4	1.0
S.S. (mg/L)		Ave.:			Ave.:			Ave.:		2	3.5 and 120% of CS4	34.4 and 130% of CS4	
				,									



Station:	SR9	Duration:	9=52 10 10	3.05 De	epth of Water (meter): 5.2	Wet bulb calibr	ation for DO meter:	8:44 mg/L(99.6 %)
	SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit √	A/L BOTTOM (B)	Action Limit V/A/L DEPTH V/A/L	ACTION	LIMIT	REMARK
Depth (meter)	/, o				4.2	AVE. VIAIL			
Temp. (°C)	248 248 Ave. 248				24.7 24.7 Ave. 24.7				
pΗ	778 7.19 Ave. 7.79				7.88 7.88 Ave 7.88				
Salinity (ppt)	25.0 24.9 Ave. 25.0		Ave.:		25.1 250 Ave.: 25.1				
D.O. (mg/L)	6.19 6.11 Ave. 6.15	5.0 4.2	Ave.:	5.0 4.2	6.09 6.01 Ave. 6.05	4.7 2.0			
D.O.S. (%)	86.7 855 Ave. 86.1		Ave.:		85.3 84.1 Ave.: 84.7				
Turhidity (NTU)	3.20 3.28 Avo 3.24		Ave.:		3.23 3.27 Ave.: 3.25	325 √	27.5 and 120% of CS4	47.0 and 130% of CS4	Q.C
S.S. (mg/L)	: Ave.:		Ave.:		Ave.:		23.5 and 120% of CS4	34.4 and 130% of CS4	
Station:	<u> IS15</u>	Duration:	9:30 10 9	349 D	Pepth of Water (meter):	Wet bulb calib	ration for DO meter:	8.41 mg/L(99.5 %)
	SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit √	/A/L BOTTOM (B)	Action Limit V/A/L DEPTH V/A/L	ACTION	LIMIT	REMARK
Depth (meter)	(,0		5.2		9,4	AVE.		200	
Temp. (°C)	247 24.8 Ave 24.8		24.7 24.7 24	:1	24.7 24.6 Ave. 24.7				
рН	7.81 7.83 Ave. 7.82		1.90 7.91 7.		7,93 7,94 Ave.: 7,94				
Salinity (ppt)	250 250 Ave. 250		250 250 Ave. 2		251 251 Ave. 25.1				
D.O. (mg/L)	6.06 6.04 Ave.: 6.05		588 5.82 Aves	85 5.0 4.2 V	/ 593 597 Ave. 5.95	4.7 2.0 \[\sqrt{2.0} \]			
D.O.S. (%)	: 84.8 84.6 Ave.: 84.	7	82.3 81.5 Ave.: 8	1,9	83.0 83.6 Ave.: 83.3				
Turbidity (NTU)	3.33 331 Ave. 337		3.87 390 Ave. 3	(84)	430+38 Ave. 434	3,85√	27.5 and 120% of CS4	5 47.0 and 130% of CS4 C	F/La
S.S. (mg/L)	: Ave.:		Ave.:		Ave.:		23.5 and 120% of CS4	34.4 and 130% of CS4	
Station:	<u>IS13</u>	Duration:	9:08 10 9	1:28	Depth of Water (meter): 9,2	- Wet bulb cal	ibration for DO meter: _	8.42 mg/L (99.6 %
	SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit v		Action Limit $\sqrt{A/L}$ DEPTH $\sqrt{A/A}$	ACTION	LIMIT	REMARK
Depth (meter)	1, 0		4.6		8.2	AVE.			
Temp. (°C)	24.8 24.8 Ave 24.8			47	24.6 24.6 Ave 24.6				
pН	7.91 7.92 Ave 7.92		7.94 7.94 7.	94	798 799 Ave. 7.99				
Salinity (ppt)	749 249 Ave 24.9			5.0	250 250 Ave. 25 C				
D.O. (mg/L)	5.91 5.99 Ave. 5.95	5.0 4.2	5.90 5.94 Ave. 5	92 5.0 4.2	1 5.88 5.90 Ave 5.89	4.7 2.0			
D.O.S. (%)	82.7 83.9 Ave. 83.7		82.6 83.2 Ave. 8	.29	82.3 82.6 Ave.: 825				
Turbidity (NTU)	3.46 350 Ave. 34		3.15 3.19 Ave.	3/1/2	359 3.61 Ave. 3.60	3.42 V			47.0
S.S. (mg/L)	: Ave.:		Ave.:		Ave.:		23.5 and 120% of CS4	34.4 and 130% of CS4	



Station:	<u>IS12</u>	Duration:	S: 46 10	9:02 Depth	of Water (meter): 13,6	Wet bulb calibrati	on for DO meter: $\underline{\ \ \ \ \ \ \ \ \ \ \ }$	40 mg/L (77,5 %
	SURFACE (S)	Action Limit \(\sqrt{A/L} \)	MIDDLE (M	() Action Limit $\sqrt{A/L}$	BOTTOM (B)	Action Limit $\sqrt{A/L}$ DEPTH $\sqrt{A/L}$	ACTION	LIMIT	REMARK
Depth (meter)	1.0		6.8		12.6	DEPTH AVE. √/A/L		a de la companya de	
Temp. (°C))49 248 Ave. 249	2	47 24.7	24.7	24.7 24.6 Ave. 24-				
pH :	7,70 7.70 Ave. 7.10	2 part 7	184 7.85	7.85	7.81 7.81 Ave. 7.81				
Salinity (ppt)	25,0 24,9 Ave. 25,0	$\dot{2}$	5.0 25.0		251 251 Ave. 25.				
D.O. (mg/L)	6.14 6.16 Ave. 6.15	5.0 4.2 1	20 61B	Ave.:6.19 5.0 4.2	6,00 5,99 Ave. 6.00	4.7 2.0			
D.O.S. (%)	959 36.2 Ave. 36	9	36.8 86.5	Ave. 86.5	84.0 83.9 Ave. 84.0		The second		
Turbidity (NTU)	355 358 Ave. 357		372 370	Ave.3.11	3.46 350 Ave. 34		1213		17.0
S.S. (mg/L)	Ave.:			Ave.:	Ave.:	23.	5 and 120% of CS4 34	1.4 and 130% of CS4	
Station:	<u>IS14</u>	Duration: 🙎	:14 10	\$-38 Depth	of Water (meter):	Wet bulb calibrate	ion for DO meter: 8 .	4 mg/L (_	99.5 %
	SURFACE (S)	Action Limit V/A/L	MIDDLE (M	1) Action Limit $\sqrt{A/L}$	BOTTOM (B)	Action Limit $\sqrt{A/L}$ DEPTH $\sqrt{A/L}$	ACTION	LIMIT	REMARK
Depth (meter)	1.0		5,0		15.0	AVE. V/A/L			
Temp. (°C)	748 248 Ave. 248	2	14.8 24.7	24.8	24.7 24.7 Ave.: 24."				
pH :	7.74 7.75 Ave. 7.75		1.80 7.80	7.60	7.85 7.86 Ave.: 786				
Salinity (ppt)	349 249 Ave. 249	2	5.0 75.0	Ave.: XC	25.1 25.1 Ave. 25.				
D.O. (mg/L)	6.06 6.02 Ave. 6.04			Ave.: 6.12 5.0 4.2 V	6.01 6.05 Ave.: 6.0	8 4.7 2.0			
D.O.S. (%)	848 843 Ave.: 846	9	35.91 85.44	Ave.: 85.7	84.1 84.7 Ave.: 84.1				
Turbidity (NTU)	3.46 3.50 Ave. 3.48		3.16 3.20	Ave. 3 8	352 358 Ave.: 359	$\frac{1}{340}\sqrt{27}$	100 1 (00)	7.0 and 130% of CS4	f1.0
S.S. (mg/L)	: Ave.:			Ave.:	Ave.:	23	.5 and 120% of CS4 3	4.4 and 130% of CS4	
Station: CS4(U	Jpstream Control Station)	Duration: 7	42 to	8:06 Depti	h of Water (meter): 22	. O Wet bulb calibrat	tion for DO meter:	39_mg/L (_	99.3 %)
	SURFACE			MIDDLE	ВОТТОМ	DEPT	H AVERAGE	REMAF	RK.
Depth (meter)	1,0			il.c	2 1.				
Temp. (°C)	24.8 24.8	Ave.: 24.8	24.7	24.7 Ave.: 24.7	24.7 24.7	Ave.: 24.7			
pН	7,91 7,90	Ave.: 7.91	7,90	7.90 Ave.: 7.90	7.97 7.96	Ave.: 7,97			
Salinity (ppt)	24.9 25.0	Ave.: 25.0		25.0 Ave.: 25.0	25,1 25,1	Ave.: 25.			
D.O. (mg/L)	6,03 6,01	Ave.: 6.02		5.97 Ave.: 598	5.85 5.86	Ave.: 5.86			
D.O.S. (%)	844 841	Ave.: 843	83.9	83.6 Ave.: 83.8	81.9 820	Ave.: 820		120%	130%
Turbidity (NTU)	3.58 3.62	Ave.: 3.60		3.81 Ave.: 3.85	3,94 3,96	Ave.: 3.95 3.	.80	4.56	494
S.S. (mg/L)		Ave.:		Ave.:		Ave.:			
Any notable dis	scoloration of water ? X / 🕖 If y	es, elaboration is a	s follows:						
Any notable poi	llutant by others near monitoring	g site ? X N If ye	s, elaboration is	as follows :					
Field Operat	10r S. 1-1. Com	Checi	ked by	(delon	Laboratory Staff		Checked by		
Date		, , , , Da	ate	(3/11/13	Date	100000	Date		



Sampling Date :	13-11-2013 Weather Co	ndition: Clowle	Ambient Temperature (°	o): 23	Sea Condition	ıs: <u>Calm/Small</u>	Waye / Great Wa	ve Tide Mode: Flood	Tide Direction	of water current:	From CS6 to CS4
	(Upstream Control Station)	Duration:	14:23,0 14:4	-7	h of Water (meter	130	V.	Vet bulb calibration for	DO meter:	.38 mg/L(99.2 %
	SURFACE		MIDDLE	· · · · · · · · · · · · · · · · · · ·		ВОТТОМ		DEPTH AVER		REMA	
Depth (meter)	1,0		6,5			12.0					
Temp. (°C)	248 248	Ave.: 248	24.7 24.7	Ave.: 74.7	24.7	24.6	Ave.: 24.7				
pΗ	7.79 7.79	Ave.: 7.79	7.82 7.81	Ave.: 7.82	7.87	1.88	Ave.: 7.88				
Salinity (ppt)	25.0 25.0	Ave.: 250	25.1 25.0	Ave.: 25.1	25.1	25.1	Ave.: 25.1				
D.O. (mg/L)	6,29 6,21	Ave.: 6.25	6.15 6.18	Ave.: 617	6.06	6.04	Ave.:6.05				
D.O.S. (%)	88.1 86.9	Ave.: \$75	86.1 86.5	Ave.: 86.3	597.8	84.6	Ave.: 84.7			120%	130%
Turbidity (NTU)	382 3.84	Ave.: 3.85	3.62 3.60		3.47	3,49	Ave.: 3,48	3.45		4,38	4.75
S.S. (mg/L)		Ave.:	5.0 - 5.0	Ave.:		<u> </u>	Ave.:	\mathcal{O}_1		,,,,,,,	
Station:	SRIO (FCZ)	Duration:	4:51 10 15:0	9 Depth	of Water (meter)	13.8	We	et bulb calibration for L	O meter:	36 mg/L (99.0 %
	SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit √/A/L	BOTTQ	M (B)	Action Limit √/A/L	DEPTH /	4CTION	LIMIT	REMARK
Depth (meter)	10		6.9		1	2,8		AVE. √/A/L			
Temp. (°C)	248 249 Ave. 24.0		24.7 24.8 24.8		247 24	7 Ave. 24.7					
pН	7.80 7.80 Ave. 7.80		7,99 7,99 7,99		7.91 7.9						
Salmity (ppt)	24.9 24.9 Ave. 24.0		25.0 25.0 Ave. 25.0		25,1 25.	Ave.: 25.1					
D.O. (mg/L)	6.19 6.20 Ave. 6.20	7 5.0 5.0	6.05 6.04 Ave.: 6.05	5.0 5.0	591 59		4.7 2.0				
D.O.S. (%)	86.7 86 8 Ave. 86.8		8417 846 Ave.: 84.		82.7 83	o Ave.: 829					
Turbidity (NTU)	3.41 3.47 Ave. 34	H H	370 3.76 Ave 3.72		39239	0 Ave.: 391		$3.69\sqrt{27.5}$ and 1.	20% of CS6 27.5 4	7.0 and 130% of CS6	47.0
S.S. (mg/L)	: Ave.:		Ave.:			Ave.:		23.5 and 1.	20% of CS6 3-	4.4 and 130% of CS6	
Station:	SR8	Duration:	5:17 10 15:	35 Depth	of Water (meter):5.°	Г и	et bulb calibration for .	DO meter: $ otin \mathcal{G}_{\cdot}$	41 mg/L(_	99.4 %
	SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit V/A/L	BOTTO	M (B)	Action Limit V/A/L		ACTION	LIMIT	REMARK
Depth (meter)	(,0				4	12		AVE. V/A/L			
Temp. (°C)	249 249 Ave. 24.9				74.7 24	8 Ave.: 247				and the second	
рН	7,75 7.74 Ave.: 97				7.81 7.8						
Salinity (ppt)	250 250 Ave. 25.0		Ave.:		25, 25	1 Ave.: 25.1					
D.O. (mg/L)	6.24 6.25 Ave. 6.25		Ave.:	5.0 4.2	6.11 61	4 Ave.: 613	4.7 2.0				
D.O.S. (%)	81.4 87.5 Ave. 81.5		Ave.:		855 85						
Turbidity (NTU)	32\$ 330 Ave 329		Ave.:		3,40 33			335 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	20% of CS6 215 4	7.0 and 130% of CS6	47.0
S.S. (mg/L)	: Ave.:		Ave.:			Ave.:		23.5 and 1.	20% of CS6 34	4.4 and 130% of CS6	
·	L	Leaver and and in the contract of the contract of	1 1	to a series to compare a series (Programme and the second second second	9			



Station:	SR9	Duration:	15:40 10	15:59	Depth of Water (n	neter): 5.8	Wet bu	lb calibration for DO me	ter. 845 mg/L	(99.7 %)
	SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Lin			Action Limit $\sqrt{A/L}$ DEP	ACTION		REMARK
Depth (meter)	10				辦國 午,	8	AVE	E. √/A/L		
Temp. (°C)	24.8 24.7 Ave. 24.8				24.7	24.6 Ave.: 24.1				
pН	7.71 7.10 Ave.: 7.7				7.75	7.76 Aves 7.76				
Salinity (ppt)	25,2 25,0 Ave. 25,0		Ave	2.:	25.1	25.1 Ave. 25.1				
D.O. (mg/L)	6,28 6.30 Ave 6.29	$\left \begin{array}{c c} 5.0 & 4.2 & \checkmark \end{array} \right $	Ave	2.: 5.0 4.	6.12	6.10 Ave.: 6.11	4.7 2.0			
D.O.S. (%)	87.9 88.2 Ave. 88.		Avo	2.:	85.7	55.4 Ave.: 85.6		1996		
Turbidity (NTU)	3.12 3.15 Ave. 3.14		Avo	2.7	3.39	331 Ave.: 335	3.2	27.5 and 120% of C	The state of the s	47.4
S.S. (mg/L)	: Ave.:		Av	2		Ave,:		23.5 and 120% of (S6
Station:	<u>IS15</u>	Duration:	16-05 10	16:24	Depth of Water (meter): 10:8	Wet by	ulb calibration for DO me	eter: <u> </u>	(994 %)
	SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Lin	nit √/A/L Bo		Action Limit $\sqrt{A/L}$ DEP	TH $\sqrt{ A/L }$ ACTION	LIMIT LIMIT	REMARK
Depth (meter)	1.0		54			9.8	AVI	E. VALL		
Temp. (°C)	248 247 Ave 248		24.7 24.7	41	24.6	24.7 Ave.: 29.7				
рН	178 779 Ave 7,79		7,80 7.80	7.80	7.82	7.82 Ave. 7.32				
Salinity (ppt)	25.0 29.9 Ave. 25.4		25.0 25.0 AV	€::520 €::520	25.0	25.0 Ave. 25.0				
D.O. (mg/L)	6.12 6.10 Ave.: 6.1	5.0 4.2	6.02 6.04 AV	e. 6.03 5.0 4.	2 6,10	6.08 Ave.: 6.09	4.7 2.0	Late Sections	Control of the contro	
D.O.S. (%)	85.7 85.4 Ave. 85.	6	842 846 AV			85.1 Ave.: 85.3				
Turhidity (NTU)	3,91 393 Ave. 39	2	3.54 3.56 AV	°3,55	411	4.13 Ave. 4.12	38	36 V 27.5 and 120% of	27.5 47.0 and 130% of C	47.0
S.S. (mg/L)	Ave.:		Av			Ave.:		23.5 and 120% of		
Station:	IS13	Duration:	16:29 to	16:48	Depth of Water	(meter): 9,6	Wet	bulb calibration for DO r	neter: <u> </u>	1L (99.5 %)
	SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Li.	mit $\sqrt{A/L}$	BOTTOM (B)		PTH √/A/L ACTIO	V LIMIT	REMARK
Depth (meter)	1.0		4.8			8.6	AV	E.		
Temp. (°C)	24.8 24.8 Ave. 24.9	,	24.7 24.8	24.8		24.7 Ave.: 24.7				
рН	774 774 Ave:774		7.8 1 7.80	7.81	7.88	7.89 Ave.: 7.89				
Salinity (ppt)	250 25.0 Ave. 25.	0	25.0 25.0	²² 25.0	25.0	25.0 Ave.: 25.0				
D.O. (mg/L)	6.06 6.07 Ave. 6.0			592 5.0 4	AND CONTRACTOR CONTRAC	5.99 Ave.: 5.99	4.7 2.0			
D.O.S. (%)	84.8 85.0 Ave. 84.		83.2 826 A	² 829		839 Ave. 83.8				
Turhidity (NTU)	3,40 335 Ave. 33	8	3.27 3.23	e.3.25	3.60	358 Ave. 359	3.	4 V 27.5 and 120% of	413	
S.S. (mg/L)	: Ave.:	34 (A. 204) A.	A	re.:		Ave.:		23.5 and 120% of	CS6 34.4 and 130% of C	CS6



Station:		IS12		Duration:	16:5	3_to	17:1	Dept.	h of Water (r	neter):	40	и	Vet bulb calibrati	ion for DO meter:	8.36	mg/L (990 (%)
		SURFAC	E (S) A	Action Limit $\sqrt{A/L}$	Λ	лIDDLE (M)		Action Limit √/A/L	В	OTTOM (B)	Actio	on Limit √/A/L	DEPTH JAN	ACTION		LIMIT	REMARK
Depth (meter)	:	1.0		at a second		7.0				13.0			AVE. V/A/L				
Temp. (°C)	24	7 24	1 Ave. 24-7		247	24.6	24.6		246	4. 6 Ave.: 2	4.6						
рН	75	39 7.85	3 Ave.: 7.89		7.99	8.00	8,00		8.01 8	3.01 Ave.: 5	3.01						
Salinity (ppt)	24.	9 249	4		25.0	25,00	^{1ve.:} 25,0		751	25.1 Ave.: 2	5.						
D.O. (mg/L)	6.0	9 6.01	Ave. 6. 05	5.0 4.2	6.13	617	1ve.6.15	5.0 4.2	6.08	6,09 Ave.: 6	09 4.7	7 2.0					
D.O.S. (%)	80	3 84.	Ave.: 84.7		858	86.4	1ve.: 86.1		5511		5.2						
Turbidity (NTU)	3.6		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		341	3,51	1ve.:3,49			3.90 Ave.35	13		370 V 27	.5 and 120% of CS6	7.5 47.0 and 1	30% of CS6	47.0
S.S. (mg/L)	:	3,7,	Ave.:		211		Ive.:		2-14	Ave.:				.5 and 120% of CS6	34.4 and 1.	30% of CS6	
Station:		<u>IS14</u>	1 ,59	Duration:	17:12	+ to	17:3	Dept	h of Water (i	neter):	6.6	V	Vet bulb calibrat	ion for DO meter:	840	mg/L (99.4 %
		SURFAC	E (S)	Action Limit \(\sqrt{A/L} \)	Λ	MIDDLE (M)	, ,	Action Limit V/A/L	В	OTTOM (B)	Actio	ion Limit √/A/L	DEPTH (ACTION		LIMIT	REMARK
Depth (meter)	:	(io				8.3				15.6			AVE. √/A/L				
Temp. (°C)	24		Ave. 24.5		74.7	24.7	24.7		246	24.7 Ave.: 2	47						
рН	7.9		3 Ave.: 7,93		7.95	7.96	7.96		7.94	7.95 Ave. 7.	95						
Salinity (ppt)	74		Ave.: 25,0		25.1		4ve.:25.1		250	25.1 Ave.:>							
D.O. (mg/L)	5		Ave. 597	5.0 4.2	6.08		1ve.:6.09	5.0 4.2 V		5.88 Ave.:5	86 4.7	7 2.0					
D.O.S. (%)	43		Ave.: 83.6		85.1	854	1ve.:353			82.3 Ave.: 8							
Turhidity (NTU)	3.7		Ave. 372		3.88		4ve.: 385		3.43	3.47 Ave.: 3	45		367 V 27	7.5 and 120% of CS6	1.5 47.0 and 1	30% of CS6	47.0
S.S. (mg/L)	:	7	Ave.:				Ave.:			Ave.:			23	3.5 and 120% of CS6	34.4 and 1	30% of CS6	
Station:		CS4		Duration:	17:35	to	17:53	D ep	th of Water (meter):2	2.4		Vet bulb calibrat	tion for DO meter:	<u>8140</u>)mg/L (94.4%
			SURFACE				MIDDLE			BOTTO	M		DEPT	H AVERAGE		REMA.	RK
Depth (meter)	7	i	. 0				11,2	-		21.4	į.						
Temp. (°C)		24.7	248	Ave.: 248	24.	7	24.6	Ave.: 74.7	24.0	24	& Ave	^{e.:} 246		100			
рН	1:1	7.93	7.94				7.97	Ave.: 7.98	7.98								
Salinity (ppt)	1:	25.0	25.0	Ave.: 25. 0	25		25.0	Ave.: 25.1	25.	75	Av	re.: 25.1					
D.O. (mg/L)	:	5.96	6.00	Ave.: 5.98			5.88	Ave.: 585	5.9			·e.:5.9 6					
D.O.S. (%)	:	83,4	34,0	Ave.: 83.7		5	32.3	Ave.: 81,9	83.	6 83	3 Av			100			
Turbidity (NTU)		+15	4.19	Ave.: 417	3,5		354	Ave.: 3.55	47			re.: 4.75	4	.16			
S.S. (mg/L)	1:1	1 · · · · · ·	I Control	Ave.:	717			Ave.:			Av						
Any notable di	iscolora	ion of wate	r 2 X7 10 If ve	es elaboration i	s as follow	vs:				,1	<u></u>						
Any notable po			· ·	_			as follows										
Field Opera	ator	CHI	am	Ch	ecked by		1Je	(a-	La	boratory Staff		- 7,		Checked by	,		
Date			1-2013		Date		13/1	1/13		Date				Date			



Sampling Date :_	15-11	-2013	Weather Co	ndition: 1714	Ambie	nt Temperature (°C):	Sea Conditio	ns: <u>Calm/S</u> ma	all Waye / Great W	<u>Vave</u> Tide M	ode: <u>Ebb Tide</u> <u>Dire</u>	ection of water current: Fi	om CS4 to CS6
Station:		'S6		Duration:	12212	10 17228	Dept.	h of Water (meter	·):!3	1,0	Wet bulb calibi	ation for DO meter: _	9.95 mg/L (98-7 %)
			SURFACE			MIDDLE			ВОТТОМ		DEI	TH AVERAGE	REMAR	K
Depth (meter)			(0)			6.5			17.0					
Temp. (°C)	: -	4.0	1,46	Ave.: of (1	24,0	24.0	Ave.: 74.0	24:1	24.1	Ave.:				
pН		-84	682	Ave.: 6.63	6,81	6.92	Ave.: 6.92	6.85-	6.86	Ave.: 6.86		a de la compania del compania de la compania del compania de la compania del compania de la compania de la compania de la compania del compania de la compania de la compania de la compania del compania		
Salinity (ppt)	:	26.1	2.1c	Ave.: 262	26.2	26.2	Ave.: 16:2	26.3	26.4	Ave.: 26.4		Page Section 1		
D.O. (mg/L)		.49	6146	Ave.: 6148	6,50	6.53	Ave.: 652	6,27	6,5-5-	Ave.: 6-56				
D.O.S. (%)	:	39.2	88.9	Ave.: 89.1	89.6	39.9	Ave.: 99.8	PO-5-	Pd: 2	Ave.: P0-4		Continues (Co.		
Turbidity (NTU)	:	1.28	7,81	Ave.: 7-5-5	8.07	8.32	Ave.: 8 (20	9,86	8.47	Ave.: 8-67		8,14		
S.S. (mg/L)	:			Ave.:	Í		Ave.:		,	Ave.:				
Station:	SR10	(FCZ)		Duration: (1240 to	125k	Depth	of Water (meter)	: 13,1	<u> </u>		tion for DO meter:	9.92 mg/L(_	99.5 %)
		SURFACE	(S)	Action Limit √/A/L	MIDD	DLE (M)	Action Limit √/A/L	ВОТТО	M (B)	Action Limit √/A/L	DEPTH V/A/L	ACTION	LIMIT	REMARK
Depth (meter)	<i>.</i> *	1,0		1000		G7		/2.	4.	5 (10)	AVE. V/A/L			
Temp. (°C)	340	24.0	Ave.:		34,0 34	6.7 O.7		24.1 24.	Ave.:					
рН	: 6.87	6,86	Ave : 87		6.88 62			68-3 6.84	F Ave. 6.84					
Salinity (ppt)	26.2	76.2	Ave.:		96,2 26.			26.4 76.4						
D.O. (mg/L)	16.43	6.50	Ave.: 6:52	5.0 5.0	6,46 64		5.0 5.0	6.48 6.41		4.7 2.0		All Marie and Control of the Control		
D.O.S. (%)	: 89,6	39-5	Ave. 93.7		8910 88	F Ave. 89.8	73 35	89,2 99,8						
Turbidity (NTU)	7.53	7.77	Ave.: 7-65		8.71 90			P.86 9.85	Ave.: 9,91		9.85 V	27.5 and 120% of CS4		7 7.0
S.S. (mg/L)	: `		Ave.:	10770104		Ave.:			Ave.:			23.5 and 120% of CS4	34.4 and 130% of CS4	
Station:		IR8		Duration:	1(>50_t	0 (12	υΨ Depth	of Water (meter): <u>4.4</u>	<u> </u>	Vet bulb calibr	ation for DO meter: _	895 mg/L (_	99,7 %)
		SURFACE	E (S)	Action Limit √/A/L	MIDL	DLE (M)	Action Limit √/A/L	ВОТТО	M (B)	Action Limit √/A/I	DEPTH V/A/L	ACTION	LIMIT	REMARK
Depth (meter)	÷	100						3,			AVE. V/A/L			
Temp. (°C)	240	34.0	Ave.:					24.0 24.	(Ave; 4.1					
рН	1671	6-72	Avair					674 675	- Ave.: 6.75		100	er alemani		
Salinity (ppt)	26,		16.1			Ave.:		761 7612	- Ave. 26,2					
D.O. (mg/L)	678		- Ave.:6,71	5.0 4.2		Ave.:	5.0 4.2	6.65 6.6	7 Ave.: bcbb	4.7 2.0				
D.O.S. (%)	92-		Ave. 914			Ave.:		916 11-9	Ave.: Pro					
Turbidity (NTU)	: 9-3		Ave.: 8:28			Ave.:		976 893			8.81 V	27.5 and 120% of CS4		[7.8]
S.S. (mg/L)			Ave.:			Ave.:			Ave.:			23.5 and 120% of CS4	34.4 and 130% of CS4	



Station:	SR9	Duration:[27 10 (124	tz Depth	of Water (meter):	0 и	et bulb cali	oration for DO meter:	899_mg/L(_9	9.7 %)
	SURFACE (S)	Action Limit \(\sqrt{A/L} \)	MIDDLE (M)	Action Limit √/A/L	BOTTOM (B)	Action Limit √/A/I	DEPTH 1/14	ACTION	LIMIT	REMARK
Depth (meter)	(0)				4.0		AVE.			
Temp. (°C)	24.0 24.0 Ave. 34.0				24.0 34.1 Ave.: 24.1	1867				
pH :	674 677 Ave. 676				6.78 6.79 Ave.: 6.79					
Salinity (ppt)	36.0 36.0 Are 36.0		Ave.:		26.0 26e2 Ave.: 2600			200 mg		
D.O. (mg/L)	679 676 Ave.i678	5.0 4.2	Ave.:	5.0 4.2	6070 672 Ave.: 671	4.7 2.0				
D.O.S. (%)	93.4 93.1 Ave.: P3.3		Ave.:		PS PJ. + Ave. PJ.4			27.5 11200 1605	47.0 412000 4000	
Turbidity (NTU)	7.94 7-96 Ave.7.95		Ave.:	235	7-32 6-98 Ave. 7-15		7-55 4		47.0 and 130% of CS4 47.1 and 130% of CS4	.0
S.S. (mg/L)	Ave.:		Ave.:		Ave.:			23.5 and 120% of CS4	34.4 and 130% of CS4	
Station:	<u>IS15</u>	Duration:	206 10 [(27	Depth	of Water (meter):G	<u>, ~ </u>	Wet bulb cali	bration for DO meter:	9:00 mg/L (98.8 %)
	SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit √/A/L	BOTTOM (B)	Action Limit √/A/I	DEFIN	ACTION	LIMIT	REMARK
Depth (meter)	(.0		4.6	16	812		AVE.		Free man benefit to	
Temp. (°C)	THE SHE AVE.	74	1 241 241		24,2 34,1 Ave.: 34,2	-		3.00		
pН	6.90 6.88 Ave. 6.89	6.8	26 G.85 G.8	6	6.89 6.90 Ave. 690			Security Security		
Salinity (ppt)	26.0 Hoil Ave. 26.1	3/5		-1	26.1 26.1 Ave.: 26.1	47 20			politica de la	
D.O. (mg/L)	6 -3 1.5- Ave. 254	5.0 4.2 \ 6.8	18 6.59 Ave. 6-5	**************************************	663 6.64 Ave. 6-64	4.7 2.0				
D.O.S. (%)	89.9 90.2 Ave. 90.1	90			91.3 95.5 Ave.: 9114			27.5 and 120% of CS4	47.0 and 130% of CS4	
Turbidity (NTU)	7.34 7.39 Ave 7.37	81	08 9.42 Ave. 8.2	5	7-93 7-25 Ave: 7-59		7-74	23.5 and 120% of CS4	47.0 and 130% of CS4)c0
S.S. (mg/L)	: Ave.:		Ave.:		Ave.:					
Station:	<u>IS13</u>	Duration: [0	243 to (1:	202 Dep	, , , ,	9,0	Wet bulb co	libration for DO meter:	9.96 mg/L(99.6 %
	SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit √/A/L		Action Limit √/A	DEFIR	ACTION /L	· LIMIT	REMARK
Depth (meter)	(,0		4.5		8,0		AVE.		Section 1	
Temp. (°C)	The state Ave.	24		PROCESSOR AND ADDRESS OF THE PARTY OF THE PA	34,1 34,2 Ave.:42					
рН	6.87 6.88 Ave. 6.88	- bre			191 6-90 Ave.: 6-91					
Salinity (ppt)	>6.0 >6.0 Ave.: 600	21	6.0 3600 Ave.		>6-1 2611 Ave.: >611	4.7 2.0				
D.O. (mg/L)	6.57 6.60 Ave. 5.59	5.0 4.2 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	64 6.63 Ave.: 6-6	4 5.0 4.2	6.70 6.68 Ave.: 6.69					
D.O.S. (%)	90.5 90.9 Ave. 90.7	Pr	.4 91.2 Ave.: Pl.		PJ-3 P1.0 Ave.: P1.	2		/ 27.5 and 120% of CS4	47.0 and 130% of CS4	
Turbidity (NTU)	7.49 Ave. 7.32	7.	71 7.43 Ave.	n l	943 gill Ave. Bit		7-72 1	23.5 and 120% of CS4	34.4 and 130% of CS4	7.0
S.S. (mg/L)	: Ave.:		Ave.:		Ave.:			23.3 and 12070 of C37	J 3.14 130.70 0, 007	



Station:		<u>IS12</u>			Duration:	102	T to	10235	De	epth of W	ater (meter):	,6 -	0	Wet bulb calib	ration for DO meter:	8.96 mg/L(99.5 %)
Station.	<u>T</u>		URFACE ((2)	Action Limit $\sqrt{/}$		MIDDLE (Action Limit √/		ВОТТОМ		Action Limit √/A	/L DEPTH .	ACTION	LIMIT	REMARK
Depth (meter)	:		(60)	5)			€,0				15-	6		DEPTH AVE. √/A/I.			4.6
Temp. (°C)	: -	14,(Ave.ju,~		74.1	24.1	24.1		74	5 34,0	Ave. Y.					
pH		1,90		Ave.: 6.99		6.94	6.85	6.85	100	6.8	8 6,91	Ave.: 6.90		e e e			
Salinity (ppt)		>b-0	26,1	Ave.:		26.1	76.5	Ave. 26 . (₩.	2 16.3	Ave.: >6.3		100			
D.O. (mg/L)	1	156	6,3-4	Ave.: 6.55	5.0 4.2	6.60	6.61	Ave.: 6-61	5.0 4.2	16.4	A 6.45	Ave.: 6,47	4.7 2.0		1944		i i
D.O.S. (%)	-	P0-5	Port	Ave.: PO3		90-9	PI-I	Ave.: 0(,0		9,9	1 89.8	Ave.:89,0				34.00	
Turbidity (NTU)		.33	7.58	Ave. 1.96		9.30	7.39	Ave. 7.84		8,5	9 8.87	Ave.: 873		8.18	27.5 and 120% of CS4		470
S.S. (mg/L)		, , , ,		Ave.:				Ave.:				Ave.:			23.5 and 120% of CS4	34.4 and 130% of CS4	
Station:	1	<u>IS14</u>	<u> </u>		Duration:	925	A- to_	(620)		epth of W	Vater (meter):	[5-			oration for DO meter:	POD mg/L (_	99,2 %)
		5	SURFACE ((S)	Action Limit V	A/L	MIDDLE (M)	Action Limit V	'A/L	ВОТТОМ	(B)	Action Limit V/A	DEPTH JAM	ACTION	LIMIT	REMARK
Depth (meter)			1,0				7.8				(4,	6		AVE.	100		
Temp. (°C)		1.90	24.(Ave Yul		34.0	74.1	74.(ېدې ا	1 74.0	Ave. 24.1	2002			0.00	
рН	7	1.86	6.63	Ave. 6.86		6,87	6.89	6.88		6.9	0 6.89	Ave.: 6,90				e de la companya de l	
Salinity (ppt)	:	26.1		Ave.:>6 . (11 16	26.2	Ave.il 2)(2 26.2	Ave.: VGr V			100		
D.O. (mg/L)	2	1-2.3		Ave.: 652	5.0 4.2	(6.57	6.5-9	Ave.: 6.38	5.0 4.2	/ 6.4	1 6-40	Ave.: 6-41			Frank Mac Co.		
D.O.S. (%)	:	89.6	89.9	Ave. 99.8		PO.5	10.7	Ave.: Poch		80		Ave.: 88: 1			27.5 and 120% of CS4	47.0 and 130% of CS+	
Turbidity (NTU)	: (8.75	826	Ave. 9.51		8:97	8,2	Ave. 86 v		6.4	8 8:79	Ave.: P-14		8-76	23.5 and 120% of CS4	34.4 and 130% of CS4	47.0
S.S. (mg/L)				Ave.:				Ave.:				Ave.:			23.5 and 12070 of CS4		
Station: <u>CS4</u>	1(Ups	tream Co	entrol Stati	ion)	Duration:_	923	<u>0to</u>	9>47	<i>L</i>	Pepth of V	Water (meter)	:	4	Wet bulb cali	bration for DO meter: _	<u>8.87</u> mg/L (98.4 %)
				SURFACE				MIDDLE				ВОТТОМ		D.	EPTH AVERAGE	REM	ARK
Depth (meter)	1			(,)				((12				21.0	f				
Temp. (°C)	1	23	19	239	Ave.:	7 2	3,9	۲۲،۵	Ave.:	٥	24,0	229.5	Ave.:				
рН	:		93	6.96	Ave.: 6 90	5 G	97	6.99	Ave.: 19	වි	7.01	7.00	Ave.: 7.01				
Salinity (ppt)	- :		5.5	25.6	Ave.: 25	6 23	5,8	2529	Ave.: 25.	1	>6.0	2611	Ave.: 26.1				
D.O. (mg/L)	:		92	6.85	Ave.: 6.80		74	6.71	Ave.: 6.7		6.60	6,57	Ave.: 6.85			120%	130%
D.O.S. (%)			3,7	94,2			1.3	47-14	Ave.: PJ.	b	PO-9	90.5	Ave.: P0-7				
Turbidity (NTU)	:	5.6	9	5.5(Ave.: Die	6 59	35	6.70	Ave.: 6,2	8 -	7.14	7-79	Ave.:	?	6.45	7.74	8,39
S.S. (mg/L)] :		`		Ave.:				Ave.:				Ave				
Any notable o																	
Any notable p	pollut	ant by o	thers nea	ar monitorir	ng site ? Y 🗥) If yes, ela	aboration	is as follow	/s:						-		
Field Ope	rator		lc .	m. (chi	en.	Checked by	,	12	ell		Laborate	ory Staff			Checked by		
Date	?		[1	<u>M. (chi</u> - 11 - 22	. (3	Date		1,5/1	1/12		Do	ite			Date		



Depth (more)		99.7	[.]						_	_	_	_	_	_	_	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	-	<u> </u>	7	7	7	$\overline{}$	7	_	느	<u> </u>	_	_	<u> </u>	<u></u>	<u>-</u>	÷	نك	<u>نا</u> ـــ	===						<u> </u>		=	=	=	=	16	=	≠	=				_									_				_			Т										_	_	=	=	=	_	÷			_										W	<u> </u>
Comp (C) Jal. Jah. Jan. Jah. Jah	1ARK	<u> </u>																			_	_	_	_	_	_					_		_																					_	K	4 <i>R</i>	М.	<u> </u>	R					_			H							GE ∰	A(₹R S	V	(A	ΓH XX	PT	EI E	D S		変			**		_		_										- 	M) <i>N</i>	<i>TO</i>	TT	30	В		-									
## 5.1.1 24.2 34.3 24.1 24.2 34.3 24.1 24.2 34.3 24.2 34.2 3																												_		_	_	_							_		_	_	_	_	_	_		_									_	_	_		_			_			H																					No.	_	_	_		_	_	.	<i>o</i> ·	4 1/4		1	_	_		_	4	ال	غل			_	Т								
State Stat																					_															_													_	_																	-																						_		2	حات	4	٦.	_				1			_		<u>ر.</u>	14.	<u>ڳ</u>		_	_	4				2	ر حاد	4	و م	_
O (mpl.) Sh.D. Sh.L. Sh.D. S					_	_	_	_	_	_	_	_																_		_				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_								_				_			_		H																					200		Ļ	IJ	<u>8</u>	2,	_					1				}	39	3.6	6	_		_	4			>	8	3	£	f	
120% 120%																																																								_	_					_	_	_			-																					The second		£	<u>, Z</u>	<u>6</u>	2						\perp				3.	2.3	<u>)</u>	د			_	_				<u>+</u>	, 4	76		
Control Cont	130%	13/	1300	20%	10/	 0 <u>/</u>				_		10/	70/	<u>~</u>	700	ne	ne	000	<u></u>	0	0	<u> </u>	<u></u>	70	70	70	70	<u> </u>	<u> </u>	0	<u></u>	20	30	3/	31	<u> </u>	<u> </u>	<u> </u>			<u> </u>	<u> </u>		_	1		<u></u>					_	\neg	_			0/_	20	7:				-																					Total Services		<u>_</u>	ń	9	5.	_{					\perp										_	-)	Ь	6	5.1						
Strong S	13070									<u>,</u>												_	_	_	_	_							_						_	_	_	_	_	_	_	_	_	_								_	4					_		_			L																							<u></u>	Ь	ليا	91	_(1			-	+	L	91.	q			L	_				රි	(,)	91	(
ation: SRIO (FCZ) Duration: 15-51 to 16:13 Depth of Water (meter): 13,8 Wet bulb calibration for DO meter: 89 mg/L spih (meter) 1,0 spih (mete	10.46	10.	10.4	.49	148	B	B	3	3	B	Ħ.	129	4	4	<u>L</u>	ىل	ىل	L	L	L	L	L	L	L	L	L	4	4	4	4	4	4	L	L	l	L	IJ).).	2	2	2	D	D	2	2	Ω	Ω	2	2	10	10	_1				4			3_	22	ئد	9				L	4	_	_	_	_				2	Ωļ	کیک	2									1	_	3	<u>38</u>	ıξ	8	_{_{1}}					\perp	_		<u>}</u>	2	38	3.:	8			L	\perp			·	7	7	ئد	2	
SURFACE (S) Action Limit VAL MIDDLE (M) Action Limit VAL BOTTOM (B) Action Limit VAL ACTION LIMIT AVE: SUBSTREES (S) Action Limit VAL AVE: Substrates Substr	<u> </u>													_	_					_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_				_	_	_	_	_	_	_	_						_					╛	_								_	L	_																			_	_	_		_				<i>:</i> —	e.;	400	A	_															•••				
pub (meter) 1.10 6.9 13.8 24.1 4ve: 4.1 24.0 24.1 24.0 24.1 24.0 24.1 24.0 24.1 24.0 24.1 24.0 24.1 24.0 24.1 24.0 24.1 24.0 24.1 24.0 24.1 24.0 24.1 24.0 24.1 24.0 24.1 24.0 24.1 24.0	99.5		· i · · ·				_			_	_	_	_	_	=	_	_	=	=	=	=	=	=	=	=	=	_	_	_	_	_	_	=	=	=	=	=	=	=	=	=		ī	ī			ī	ī	<u>;</u>	<u>}</u>	2	5	1	9.	90		<i>.</i>	_							<u></u>	<u>}</u>	<u>3</u> .c	2	=	_	r.	:te	те) r	D(r I	fo	n j	101	ati	rc	lit	ai) C	ull	bı	it i	7e	W		_			=	-	_		_	_	_	;	3	3.	3.	1	_): <u> </u>	er)	eter	nete	me	(r	r	ıte	Va	f K
1.D	REN		RI	RE	₹EN	ЕМ	:M	M.	M	<u>:M</u>	£λ	Œ	ЧE	RE	R.I	RI	RI	R	R	R	R	R	R	R	R	R	RI	₹.	RE	₹.	RE	R.E	R	R	R	R	F			_	_	-	H	H	-	-	L	L	-	-			3			AN	337		!1T 頸颈	IM	LI	777				200					翩	N SSS	101	CTI	A(200			SIP		/L	1/A	V				ν	L	4/[//A	V	ıit	im	Li	n I	ion	cti	A	-							3)	(B ₁	1 ()N	TO	OTT	BOT	BC	İ				
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Thidity (NTU) This			<u></u>						_	_				_					_			_	_	_	_	_	_	_	_	_	_	_	_	_	_			_	_	<u>—</u>	<u>—</u>	L	L	L	L	L	L	_	4	1000																																							See See See See See See See See See See	×	,	J	2.0	2	5.00	/	4.			_	i6	6	5.8	6			L		4	54	5.5	6.	(-		_	Σ	5	6
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SR8	147.01	10	_				_		_	_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	L	⊣	L	L	L	L	L	L	ļ	1	1	۷	ا ک	Ω	Ţζ	47	1											5	5	Ą	۵											_	Y	L	Ĺ	1	8.	ç												_	2	3-	3.	ر ٢	9			L		7	ති	3,1	9,	q			7	7.	9:
SURFACE (S) Action Limit $\sqrt{A/L}$ MIDDLE (M) Action Limit $\sqrt{A/L}$ BOTTOM (B) Action Limit $\sqrt{A/L}$ DEPTH AVE.: 1.0 3.8 Ave.: 6.74 6.75 Ave.: 5.0 Ave.: 5.0 Ave.: 5.0 Ave.: 5.0 Ave.: 6.76 Ave.: 6.77 Ave.: 6.78 Ave.: 6.78 Ave.: 7.70 Av	6																		_	_	_	_	_	_	_	_							_	_	_	_				L	L											_	_				S6 —	C8 	of	% c	309 	13	1d	ar	.4	34.					S6	·CS	of	1%	20	11	an	.5 4	23	$\int_{-\infty}^{2}$																									e.:	4ve	A											
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O(mg/L) : $O(mg/L)$: $O(mg$																												_		_	_									L	Ĺ						1000	- Carrier	- Charles	- Carte	1																																																						e.:	Ave	A									2	D.	2
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1 Ave 4 475 and 120% of CSS 470 and 130% of									_		_		_			_	_			_	_								_							_	_	_	_	Ĺ	Ĺ						-	-	1	N. W.																																																		_	9	2.	10	9			1							I	_			
rbidity (NTU) 8.30 8.08 8.19 47.0 and 130% of CS6 3.5 47.0 and 130% of	sa 47,0	J.p.	,																																															Ţ	,]	 ?	n	7,1	47	1	:Sc	C	of	1%	309	17	na	1 a	1.0	47	$, \top$	5	 5(5	S6	rC.	of)%	120	d I	an	.5	27.	1	7	_ _		 }	7.	8	- F													7	Σ	ر.	7.	С	·е.:	Ave	A							Т				



Station:		SR9		Durati	on: 16	:41	_to	6:56		Depth of	Water ((meter):	5.4		Wet bulb	calibre	ation for DO meter: _	899	mg/L (99.7	%)
			SURFACE (S)	Action Lim	it √/A/L	MII	DDLE (M)		Action Limit	VIAIL		BOTTOM (B)	}	Action Limit	DEPIH	√/A/L	ACTION		LIMIT	RE	EMARK
Depth (meter)	.:		1.0									44			AVE.	VIAIL					
Temp. (°C)	:	24,0	Ave.:	4.1						2	4.1	24.2 A1	ve.: 24.2								
pН	:	77,6	6.30 Ave.:	87						6	.81	6.82 A	ve.: 6,82								
Salinity (ppt)	:	26.1	Ave.:	P/1			Av	e.:		(6.1	25. J A1	ve.: 26.\								
D.O. (mg/L)	1	6.88	625 Ave.:	5.0 4.2 가입		/	Av	re.;	5.0 4.2	6	79	121	ve.: 6,80	4.7 2.0							
D.O.S. (%)	:	94.7	943 Ave.	£,			Av	e.:		9	3,6	93,8	ve.: 93.7								
Turbidity (NTU)	1	7,89	LAVe.:	90		/.	Av	ve.:		7,	.23	693 A	ve.: 706		7,49	Y		17.5		47.0	
S.S. (mg/L)	1:		Ave.:		7		Aı	ve.:					ve.:				23.5 and 120% of CS6	34.4 and	d 130% of CS6		
Station:	•	IS	15	Durat	ion:	7:00	to	17:17		Depth of	f Water	(meter):	9.6		Wet bull	calibi	ation for DO meter:	9,00	mg/L (99.8	%)
			SURFACE (S)	Action Lim	- T T		DDLE (M)		Action Limit	√/A/L	I	ВОТТОМ (В	2)	Action Limit	V/A/L DEPTH	√/A/L	ACTION		LIMIT	R.I.	EMARK
Depth (meter)	1		l,o				4.8					8,5			AVE.	V/A/L					
Temp. (°C)	1	24.0	Ave.:	4.1			×,2	24. 2		5.	4.3		ve.: 243								
рН	7	6,93	Ave ·	92			5.8B	689		۲	,92	6.93 A	ve.: 693_								
Salinity (ppt)	1	26.1	Ave.:	200.42			26 (A1	ve.:		X162	36,2		ve.: 26.3								·
D.O. (mg/L)		6,62	4110	5.0 4.2	2 /		6.6B A	ve.: 6,68	5.0 4.2	V (6	5,72	6.73 A	ve.: 6.73	4.7 2.0	$\sqrt{}$						
D.O.S. (%)	1	91,2	Ave.	11.4			72.1	ve.: 920		q	2.6		ve.: 92.7				3 10				
Turhidity (NTU)	1	7.27	Ave.:	(30				ve.: 813			26	TIT A	ve.: 7,52		7,57	1		7,5	nd 130% of CSA	47.0	
S.S. (mg/L)	1:	\	Ave.:					ve.:				A	ve.:				23.5 and 120% of CS6	34.4 an	d 130% of CS6		
Station:		<u>IS1</u>	3	Dur	ation:	17:22	to	17:41		Depth	of Wate	er (meter):_	9.2		Wet bu	lb cali	bration for DO meter.	: 8.96	mg/L (99.6	%
	T		SURFACE (S)	Action Lin	iit √/A/L	M.	IDDLE (M)		Action Limit	√/A/L		ВОТТОМ (В	3)	Action Limit	√/A/L DEPTI	H VIAIL	ACTION		LIMIT	R	EMARK
Depth (meter)	1		1.0				4,6					8.2			AVE.	V/A/L	ak asa ar i			ų.	************
Temp. (°C)	7	24.1	Ave.:	ж.э.		×1,2	24.1	24.2			24.3	24.2 A	1ve.: 243								
pН	:	690	Ave .	591			694	6.93		# 1 () () () () ()	595		1ve.: 654								
Salinity (ppt)] :	26.1	Ave.:	bb,(A A	ive.; >6.2			36.2	26.2 A	1ve.: 26,2								
D.O. (mg/L)] :	6.66	CCQ Ave.:	5.0 4.	2 /		672 A	ve.: 6.73	5.0 4.2	/ (5.79		1ve.: 67B	4.7 2.0	$\sqrt{}$						
D.O.S. (%)	1	91.8	92.3 Ave.:	6.1			92.5	lve.: 92.6		Q	13.b ·		4ve.: 93.5								
Turbidity (NTU,) !	7.08	Ave.:	(25				lve.: (りの		9	3.35	8.09	4ve.: 8.02		7.65		27.5 and 120% of CS6	7,5	nd 130% of CS6	47.0	
S.S. (mg/L)	1		Ave.:				A	lve.:					4ve.:				23.5 and 120% of CS6	34.4 ai	nd 130% of CS6		



Station:		<u>IS12</u>	<u> </u>	····	Duration:	17:49	to	18:07	Dep	th of Wate	er (meter):	16.4			calibrat	ion for DO meter: _	8.96	mg/L (<u>99.5</u> %)
			SURFACE	E (S)	Action Limit √/A.	'L	MIDDLE (M)	Action Limit √/A/	L	ВОТТОМ	(B)	Action Limit V/A	^{/L} DEPTH	√/A/L	ACTION		LIMIT	REMARK
Depth (meter)	:		1.0				ზ.2	.,			15.4			AVE.	VIAIL				
Temp. (°C)		24.2	24.3	Ave.: >4.3		24.1	24.0	×:1		74.0	24.0	Ave.: >4.0							
pΗ		6.93	690	Ave.: 692		6.67	6.88	6.88		6.9.1	694	Ave.: 693							
Salinity (ppt)	-	26.1	26.2	Ave.:		26.2	26.2	Ave.:		25.4	20.3	Ave.:							
D.O. (mg/L)	:	6.65	6.63	Ave.: 6.64	5.0 4.2	6.69	670	Ave.: 6.70	5.0 4.2	6.57	6.54	Ave.: 656	4.7 2.0						
D.O.S. (%)	:	91.8	91.4	Ave.: 91.6		92.2	97,4	Ave.:		90.5	90.1	Ave.: 90,3							
Turbidity (NTU)	:	8,28	7,53	Ave.: 7.91		8.35	7,33	Ave.: 7.79		8.54	8.79	Ave.: 8.57		8.12	V 27	7.5 and 120% of CS6	1,5	nd 130% of CS6	47.0
S.S. (mg/L)				Ave.:				Ave.:				Ave.:			2.	3.5 and 120% of CS6	34.4 ar	ad 130% of CS6	
Station:		<u> IS1</u>	1		Duration:_	18:12	to	18:30	Dep	oth of Wate	er (meter):	15.8	· .	Wet bulb	calibrai	tion for DO meter:	9,02	mg/L (99.2 %)
			SURFACE	E (S)	Action Limit √/A	/L	MIDDLE ((M)	Action Limit √/A)	L	ВОТТОМ	(B)	Action Limit √/A	/L DEPTH		ACTION		LIMIT	REMARK
Depth (meter)	-		1.0				7,9				14.8			AVE.	√/A/L		and the second		
Temp. (°C)	:	24.1	24, [Ave.: 24.1		34.2	24.1	24,2		24.2	2413	Ave.: 34.3							
рН		6,89	6.88	Ave.: 6.89		6.90	6,92	691		6.93	692	Ave.: 693							
Salinity (ppt)	:	26.1	26,2	Ave.:		⊃6.3	26.2	Ave.: 26.3		⊃h,3	26.2	Ave.: 26.3							
D.O. (mg/L)	-	6.60	6,52	Ave.: 6.61	5.0 4.2	6.65	6.68	Ave.: 6.67	5.0 4.2	6.50	6.49	Ave.: 650	4.7 2.0						
D.O.S. (%)	-	909	91,2	Ave.:		91.8	000	Ave.:		815	89.4	Ave.:							
Turbidity (NTU)	-	8.67	8.21	Ave.: 8/4/4		2.29	8,22	Ave.: 8,56		9.40	8.71	Ave.:	100	5,6%	2	7.5 and 120% of CS6	(4)	nd 130% of CSO	47.0
S.S. (mg/L)	-			Ave.:				Ave.:				Ave.:			2.	3.5 and 120% of CS6	34.4 ar	nd 130% of CS6	
Station:		CS4			Duration:	18:37	to	18-59	Dej	oth of Wat	er (meter)	<u> २००</u> :		Wet bulb	calibra	tion for DO meter:	_837	mg/L (99.14 %)
				SURFACE				MIDDLE				ВОТТОМ			DEPT	H AVERAGE		REMA	RK
Depth (meter)				1.0				11.4				21.8						· · · · · · · · · · · · · · · · · · ·	
Temp. (°C)	;	24.	0	238	Ave.: 24,0	× 4.	0	74.1	Ave.:	24.	1	24.2	Ave.: 24.2						
pΗ		6.9	5	659	Ave.: 698	7.0	20	7.02	Ave.:	7,0	4	50,T	Ave.: 7,64	100					
Salinity (ppt)	:	25	.6	25.7	Ave.: 25.7	25	9	25.8	Ave.: 25.9	26		35.1	Ave.:						
D.O. (mg/L)	:	6.9	3[]	6.94	Ave.: 6.93	6.8	33	6.80	Ave.: 6.82	6.6	9	6.66	Ave.: 6.68						
D.O.S. (%)	:	qı	S.b	95.5	Ave.: 95.3	94		93,7	Ave.: 93.9	9).	.2	91.8	Ave.: 9).0						
Turbidity (NTU)	:	5.	68	5,43	Ave.: 5,56	7.6		6.62	Ave.: 6,20	7,0	18	17.7	Ave.: 7.40		(-	.38			
S.S. (mg/L)] :				Ave.:				Ave.:				Ave.:						
Any notable d	iscoi	oration (of water	?XIN If y	es, elaboratior	is as follo	ws:												
Any notable p					and the second s			is as follows	3:							,			
Field Oper	ator		Jaku	Chouna		Checked by		(Je	J.		Laborato	ry Staff				Checked by	,		
Date	****		15	11 201	2	Date		15/11	112		Da	te				Date			



ampling Date :_	18	B. ((, D	213	Weather Con	edition: Fine	An	nbient Temperature (°C):24	_ Sea Conditie						fwater curre		
tation:	<u>CS</u>	56		Duration:_	14:50_t	o <u>15:</u> c	Dej Dej	oth of Water (met	er):		Wet bulb calibrat			mg/L (99.6		5°C)
				SURFACE			MIDDLE			ВОТТОМ		DEPTH	AVERAGE		RI	EMARK	
Pepth (meter)	:			1.0			6.1			11.2	1.4						
'emp. (°C)	1	24,	2	241	Ave.: 54.2	24,1	24,0	Ave.: >4.1	24.0	24.1	Ave.:						
Н	1			7,21	Ave.: 7.20	7,25	7.24	Ave.:	7,28	7.31	Ave.: 709						
alinity (ppt)	1	26		26.2	Ave.: 26.2	2b.2	•	Ave.: 26.2	<u> </u>	263_	Ave.: 26.3						
D.O. (mg/L)	+		48	5.45 - 6.45	Ave.: 5.47	6,41	6,39	Ave.: 6,40	650	652	Ave.: 6.51						
D.O.S. (%)	+;		1	888	Ave.:	88.3		Ave.:	815	89,8	Ave.:						
Turbidity (NTU)	-	89		•	Ave.: 6.96	6.83	6,52	Ave.: 6.68	6.67	6.55	Ave.:	6	<u> </u>				
S.S. (mg/L)	+:	6.7	()		Ave.:	0.03	0.02	Ave.:	3,00	7.22	Ave.:						
C:	CD!	0 (EC7)		Duration:	14:31	to 14:1	15 D	epth of Water (m	eter): [3,1	4		ration for DO me	ter: <u>8.94</u>	mg/L (995	%) (<u>25</u> "(
Station:	<u>SKI</u>	0 (FCZ)_	SURFACE		Action Limit \(\forall A/A/L\)		IIDDLE (M)	Action Limit V/A/L		ОМ (B)	Action Limit √/A/L	DEPTH √/A/L	ACTION		LIMIT		REMARK
Depth (meter)	:		10				6.7		(5)			AVE. VIAIL					
Temp. (°C)	:	24.1	24.2	Ave.: 24.2		34.2	24.3 24.3		24.3 24.				100				
pН	:	7.28	7.26_	Ave.:		7.31	7.32 7.32		7.35 7.3								
Salinity (ppt)	:	2h.2	26.1	Ave.: 26.2		26.2	26.3 Ave		26.4 2b								
D.O. (mg/L)	:	6.52	6.50	Ave.: 6.51	5.0 5.0	6.45	6.43 Ave.: 6.44	50 50	6.38 6.		4.7 2.0						
D.O.S. (%)	:	893	89.5	Ave.: 89.8		789	Ave.: 88.6 88.8		87.9 86	Ave.: 87.1			11200/ (65		7.0 and 130% of	CCS/	
Turbidity (NTU)	:	6.84	723	Ave.: 7.04		6.41	6.77 Ave.: 6.59		6.94 6.7	16 Ave.: 6.85		6.83 $\sqrt{}$.5 and 120% of CS	7.5	.0 and 130% of	470	
S.S. (mg/L)	-	0.04	122	Ave.:		(/,⊑_)	Ave.:			Ave.:		23	.5 and 120% of CS	34.	.4 ana 130% oj	C34	l
Station:	1	SR8		Duration:	14:11	to 14:	06De	pth of Water (me	ter): 5.0)	Wet bulb calibr	ation for DO met	er: <u>897</u>	mg/L (_	99.8	_%) (<u>25 °C</u>
Station.	T	// (SURFACE		Action Limit √/A/L		MIDDLE (M)	Action Limit V/A/I	BOT	TOM (B)	Action Limit \(\sqrt{A}\)	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ACTION		LIMI	T	REMARK
Depth (meter)	1:		1.0				. /		4,			AVE.					
Temp. (°C)	:	24.1	24.0	Ave.:					34.2 34	Ave.: >4.2						100	
pН	+	7,16	7.19	Ave.: 7.18					7,21 70	2) Ave.:							
Salinity (ppt)	1:	26,1	-()	Ave.:			Ave.:			Ave.:	2						
D.O. (mg/L)	1:	6.73	(70	Ave.:	5.0 4.2		Ave.:	5.0 4.2	6.67 6.0	64 Ave.: 6.61	4.7 2.0						
D.O.S. (%)	1:	92.7	1973	975			Ave.:		91.9 91	5 Ave. 917	\		7.5 and 120% of CS		7.0 and 130% o	v CSA	Š
Turbidity (NTU)	,	7.04	7,13			1.	Ave.:		7,47	41 7.4	t	7.76 1/1		127.5	4.4 and 130% o	4 (.0	
S.S. (mg/L)	1	1 (1)4	1 1012	Ave.:			Ave.:			Ave.:		2	3.5 and 120% of CS	14 34	4.4 ana 150% 0	y C.57	
						991											



Station:	S	R9		Duration:_		to 14:			n of Water (mete		5.6		et bulb calibrati		neter:	395 action	mg/L (_	99.6 %) LIMIT		°C) MARK
			SURFACE (S	5)	Action Limit √/A/	L	MIDDLE (M)		Action Limit √/A/L		BOTTÓM (B)	<i>A</i>	Action Limit \(\forall /A/L \)	DEPTH AVE. √/A/I		ACTION		LIMIT	ICE/	
Depth (meter)	-										46 Ave.:									
Гетр. (°C)	:	24.2	242	Ave.: 242				<u> </u>		1.20		4ع ا								
Н	-	7.16	7.18	Ave.: 7117_						701	702 Ave.:	27								
alinity (ppt)	:	26.0	75.9	Ave.: 				e.:		26.0	26.1 2t	6.1	47 20							
).O. (mg/L)	:	6.79	6.76	Ave.: 6.78	5.0 4.2			re.:	5.0 4.2	6.72		15.	4.7 2.0							
D.O.S. (%)	:	93.5	93.1	Ave.: 93.3				re.:		92.6		25			27.5 and	120% of CS4	4	7.0 and 130% of CS4		
Turbidity (NTU)	:	7,84	7,33	Ave.: 7,59				e.:		8,14		7.5.T		190 V		120% of CS4	2151	4.4 and 130% of CS4	47.0	
S.S. (mg/L)	:			Ave.:			A	re.:			Ave.:				23.3 ana	12076 UJ C54		4.4 d/id 15070 dj CB1		
Station:		IS15		Duration:	13:09	_to13	<u> ರೀ</u> :	Dep	th of Water (met	er):	10.8		Wet bulb calibra	ion for DO	meter: _	891	_mg/L (
	T		SURFACE ((S)	Action Limit √/A	A.	MIDDLE (M)		Action Limit √/A/L		BOTTOM (B)		Action Limit √/A/L	DEPTH √/A/	L	ACTION		LIMIT	RE	MARK
Depth (meter)	1:		1.0				5,4				9,8			AVE.						
Temp. (°C)	1	24.2	24.1	Ave.: 24.2		24.2	24.2	24.2		24.3		4.2								
pΗ	1:	7.05	7.57	Ave.:		Pc.T	7.30	7.30		7.32		.33								
Salinity (ppt)	1:	26.0		Ave.: 26.1		26.3	26.2 A	ve.: 26.3		-563		6.3_	15 20						_	
D.O. (mg/L)	1	6,53	6.85	Ave.: 6.61	5.0 4.2	6.51	6.49	ve.: 6,50	5.0 4.2	6,42		2141	4.7 2.0							
D.O.S. (%)	7	900	90.3	Ave.: 90.2		29.7	89.4	ve.: 89.6		885		38.3			27.5 and	1 120% of CS4		17.0 and 130% of CS4		
Turbidity (NTU)) :	9,99	8.13	Ave.: 9.06		الم	9,52	ve.: [0,2		10.6		0.4		9.87 V	´	1 120% of CS4	27.5	4.4 and 130% of CS4	47.0	
S.S. (mg/L)	1			Ave.:				ve.:			Ave.:				23.3 Uni	1 12070 by C57				
Station:		IS13		Duratio	n: 12:46 ()	to 1	3:04	_ De	epth of Water (m	eter):	9.2		Wet bulb calibr	ation for D	O meter:	8.93_	mg/l	(99.5 9	6) (25	
	Τ		SURFACE	(S)	Action Limit V/	A/L	MIDDLE (M)		Action Limit V/A/L		BOTTOM (B)		Action Limit √/A/L	DUI 111 1//	/L	ACTION		LIMIT	RI	EMARK
Depth (meter)	:		1,0				4,6				<u> පි.2</u>			AVE.						
Temp. (°C)	1	24.1	24.2	Ave.: 34.2	and the	24.5	24.1	24,2		24.5		24.3								
рН	1	7.11	7.14	Ave.:		7,19	7.17	7,18		7.24		1.23								
Salinity (ppt)	1	26.1	1,dc	Ave.: >6.1		26.2	1 ~ () 1	4ve.: >6.2_		26.≥		26.3	17 20							
D.O. (mg/L)		6.62	6,60	Ave.: 6.61	5.0 4.2	6.57	6.56	4ve.: 6.57	5.0 4.2	6,50		6,51	4.7 2.0							
D.O.S. (%)] :	91.2	903	Ave.: 91.1		<u> </u>	903	90.4		89.6		7.98			27.5 0	nd 120% of CS	4	47.0 and 130% of CS-		
Turbidity (NTU	ŋ :	8.09	8.47	Ave.: 8.28	KONTO AND TO SHEET STREET SHEET SHEET SHEET.	9.71	11.2	Ave.: 10.5		113	11.5 Ave.:	Г.Ц		10,2 Y		nd 120% of CS	275	34.4 and 130% of CS4	47.0	
S.S. (mg/L)	:	1		Ave.:				Ave.:			Ave.:									

Impact Water Quality Monitoring - Data Record Sheet (Ebb Condition)

Date



Date

inpact water	1 4	danty iv	ioi iitoi ii i	g - Data I	.000/4 0/	1006 (NN 0017	a											
Station:		S12		Duration:	12:31	to	12:59	12=67 D	Depth of Water (met	ter):	13.8		Wet bulb calibration for L	00 meter: _	8.89	_mg/L (_	99.3 %)	16 25.1	°C
			SURFACE	(S)	Action Limi	it √/A/L	MIDI	DLE (M)	Action Limit √/A/L		BOTTOM (B)		Action Limit V/A/L DEPTH	//A/L	ACTION		LIMIT	REN	MARK
epth (meter)	:		1.0				6	?			12.8		AVE.	,,,,,					
emp. (°C)	:	24.3	24,3	Ave.: 24.3			24.1 24	2 24.2		241.	24.1. Ave	e.: 94,1							
4	:	7.21	7.19	Ave.: 7.20		-	7.24 7.			727.	7.28	e.: 7,28							
alinity (ppt)	:	26.1	26.2	26.2			26.3 21	Ave.: 56.3		<i>2</i> 63	26.4 AV	e.: 26.4							
.O. (mg/L)	:	6,65	6.61	Ave.: 6.68	5.0 4.2	<u>' </u>	6.59 6.	.53 Ave.: 6.51	6 5.0 4.2	6.35	6.38 Av	621	4.7 2.0						
.O.S. (%)	:	91,5.	91.1	Ave.: 913			907 8	89 Ave. 90	3	815	87.9	e.: 87.7	100	27.5 an	d 120% of CS4	17	0 and 130% of CS4		
urbidity (NTU)	:	7.76	7,40	Ave.: 7.58			8 77.8	58 Ave 86	<u>.</u> 8	9,63	894 AV	9.14	850	<u> </u>	1 120% of CS4	27,5	4 and 130% of CS4	47.0	
S. (mg/L)	:			Ave.:				Ave.:			Av	·e.:		23.3 and	1 120% 0j C34	34.	4 ana 13070 oj C34		
tation:	I	S14		Duration:	12:04	ta	(2:3)		Depth of Water (me	ter):	15.8		Wet bulb calibration for i	DO meter: _	8,95	_mg/L (_	99,5 %) <u>(25</u>	°(
	T		SURFACE	E (S)	Action Lim	it √/A/L	MID	DLE (M)	Action Limit V/A/L		BOTTOM (B)	***	Action Limit √/A/L DEPTH	//A/L	ACTION		LIMIT	REA	MARK
Depth (meter)	:		10				٦	.9			14.8		AVE.	//A/L					
emp. (°C)	1:	24.2	24.1	Ave.: 24.2			24.2	4.2 24.2		24.0	A. I Av	ve.:)4.1			D.				
Н	1	7.23	7.24	Ave.: 7.74			7,26 7	TST BS		7.31	7.32	ve.: 7,32							
alinity (ppt)	. :	26.2	26.1	Ave.:				6.3 Ave.: 26.3		26.4	1 26 3 AV	26.5							
D.O. (mg/L)	:	6.58	6.62	Ave.: 6 ho	5.0 4	2	6,50 6	12 Ave.: 6.4	9 3.0 4.2	633	6.34 Av	ve.: 6.34	4.7 2.0						
D.O.S. (%)	1	90.7	91,2	Ave.: 91.0			896 2	9.2 Ave.: 89	4	<u> 27.2</u>	870 A1	ve.: 87.1		27.5	d 120% of CS4	47	.0 and 130% of CS4		
Turbidity (NTU)	1:	8,06	8.52	Ave.: 8.29			7.33 8	1.44 Ave.: 7.8	8	859	8.31 A	ve.: 8.45	8.21	\checkmark	d 120% of CS4	27.5	4 and 130% of CS4	47.0	
S.S. (mg/L)	:			Ave.:				Ave.:			A	ve.:		23.5 un	a 120% oj C54				
tation: <u>CS4</u>	UIn	stream C	ontrol Sta	ition)	Duration	: 11:3	to[]:	49	Depth of Wate	r (meter):	22.2		Wet bulb calibration for	r DO meter:	891	mg/L	(99.7	%) (
				SURFACE				MIDDLE	?		, B	ОТТОМ		DEPTH AV	'ERAGE		REM	ARK	
Depth (meter)		:		1.0				11.1				21.2							
Temp. (°C)		:)	4,2	24.2	Ave.:	24.2	24,1	24,0		24,	0	23.9	Ave.: 240						
ρΗ			.28	7,30	Ave.:	729	7.34	7.32	Ave.: 7.33	7,3		7.36	Ave.: 7.37						
Salinity (ppt)			5.8	75.7	Ave.:	25B	25.8	Pec	Ave.: 259	26	,0	26.1	Ave.: 26.1						
D.O. (mg/L)			.83	6.81	Ave.:	6.82	6.7.3	6.72	Ave.: 6.73	6.	<u>მგ</u>	6.55	Ave.: 6.57				120%	130%	<u></u>
D.O.S. (%)		: 9	42:	93.8	Ave.:	940	92.7	95.5		91	0.6	903	Ave.: 90.5					1	
Turbidity (NTU))		1.5	12.3	Ave.:	113	9,14	831	Ave.: 9,03	9,	35	9.42	Ave.: 93.9	10.1			12.1	13.1	
S.S. (mg/L)		:			Ave.:				Ave.:				Ave					<u></u>	
Any notable											<u></u>		· · · · · · · · · · · · · · · · · · ·						
Any notable	poli	lutant by	others n	ear monitor	ing site ?	Y/N If	yes, elabora	ation is as follo	ows :										
Field Ope	arat	or	(^4		Ch	ecked by				Laboratory	Staff			Checked	by			
r ieiu Ope	erul	U/	JORKU	. Charle	10	Ciu		I		ä	•		l				ļ		

Date



mpling Date :_	1-81	1-203	Weather Cond	dition: 7711	Ambie	nt Temperature (°C	1	Sea Conditio	ns: <u>Calm / Small</u>	Wave / Great W	Vave Tide M	ode: <u>Flood Tide</u> <u>Dir</u>	rection of water current:	
ation:CS6_	(Upstream (Control Sta	ition)	Duration:	11:25	10 17:43	Dept	h of Water (met	er):	2.6	· · · · · · · · · · · · · · · · · · ·	ration for DO meter:	8192 mg/L (_	
			SURFACE			MIĎDLE			BOTTOM		DE.	PTH AVERAGE	REMA	IRK
epth (meter)	7		(, 0			6,3			11.6	L tuo				
mp. (°C)	1 3	4,3	24.2	Ave. 24.3	24.2	74.2	Ave.: 34.2	74.1	34,1	Ave.:				<u>,</u>
	1 7	-21	7.24	Ave.: 7.23	7.28	7.27	Ave.: 7.28	7.31	7,34	Ave.: 7.33				
linity (ppt)	: 2	63	26.2	Ave.: 26-3	26.3	26.3	Ave.: 26.3	26,4	26:4	Ave.: 26,4	-			
O. (mg/L)	1: 6.	7-2	6.54	Ave.: 6.56	6.50	6.48	Ave.: 6-49	659	6-61	Ave.: 6-60			120%	130%
O.S. (%)	: 4	30.6	9011	Ave.: 90.4	89,6	89.3	Ave.: 89.5	90.8	91.1	Ave.: 81,0				
arbidity (NTU)	6	.57	7.05	Ave.:6.81	6,68	6-37	Ave.: 6.23	6,52	6,40	Ave.: 6.46		6.60	7-92	8.48
S. (mg/L)	:			Ave.:		`	Ave.:			Ave.:				
ation:	SR10 ((FCZ)		Duration:	1625	to 171/3	Depth	of Water (meter): <u> </u>	6	Wet bulb calibr	ation for DO meter: _	994 mg/L (_	99.59
		SURFACE	(S)	Action Limit √/A/L	MIL	DLE (M)	Action Limit √/A/L	ВОТТ	OM (B)	Action Limit √/A		ACTION	LIMIT	REMAI
pth (meter)	:	1.0				6.8			2.6		AVE. V/A/L		and the second	
mp. (°C)	24.3	24.3	Ave.:		34.3 2	4.2 24.3		74. L 14.						
,	731	7.29	Ave. 7-20		7.34 7	35 7.75		7.38 7.4	0 Ave.: 7-39					
linity (ppt)	24.3	126.3	Ave.: 26.3		26.3 m	(4 Ave.: fort		26.4 26.1	Ave.: 56.5					
). (mg/L)	6,61	1149	Ave.: L. L.	5.0 5.0	6,54 6.	52 Ave. 6-53	5.0 5.0	6.43 6.4		4.7 2.0				
O.S. (%)	91,2	90.9	Ave.: 91.1		90,2 8	9,9 Ave.90,1		88.7 88	4 Ave. 88. 6			1,000,000	(7.0 1.1200) SCS(
rhidity (NTU)	6,69	7.08	Ave.: 6,89		626 G	32 Ave. 1029		679 66			6.63 V	27.5 and 120% of CS6	(-5	4700
S. (mg:L)	:		Ave.:			Ave.:			Ave.:			23.5 and 120% of CS6	34.4 and 130% of CS6	
ation:	SF	28		Duration:	17251	10 (8204	Depti	n of Water (mete	r): <u> </u>			ration for DO meter: _	8,97_mg/L(_	99.8
		SURFACE	(S)	Action Limit √/A/L	, \	DDLE (M)	Action Limit √/A/L	BOTI	'ОМ (B)	Action Limit √/	A/L DEPTH √/A/I	ACTION	LIMIT	REMA
:pth (meter)	:	let)			- /	100	6	f. 4		AVE.		100000000000000000000000000000000000000	
mp. (°C)	1 24,2	14.2	Ave.:					H4.2 34.	3 Ave. 24.3					
,	7,19	7.22	Ana:	19724				7.24 7.0	5 Ave.: 7.25	(i)				
inity (ppt)	1612	26,3	Ave.: 26.3			Ave.:		26.3 76.	3 Ave.: 26.3					
O. (mg/L)	6.82		1	5.0 4.2		Ave.:	5.0 4.2	6.76 6.7	3 Ave.: 6:75	4.7 2.0				
O.S. (%)	940		Ave.: 93.8			Ave.:		93.2 91.	8 Ave.:93-0					
rbidity (NTU)	6.89	6.98	Ave.: be 94			Ave.:		7.32 70	16 AVE.7(28		7.12 1	27.5 and 120% of CS6	1-3	470
S. (mg/L)			Ave.:			Ave.:			Ave.:			23.5 and 120% of CS6	34.4 and 130% of CS6	



tation:	SR9	Duration:	(9211 to (8=	Depth of	of Water (meter):			ation for DO meter:	8.95 mg/L (_	99.6 %)
	SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit √/A/L	BOTTOM (B)	Action Limit √/A	DEPTH √/A/L	ACTION	LIMIT	REMARK
epth (meter)	1.0				4.8		AVE. VAL	5.65		
етр. (°С)	1 24.2 24.3 Ave.: 74.3				84.2 24.2 Ave.:	<u> </u>				
Н	7.19 7.21 Ave. 7.20				724 725 7.2	5				
ulinity (ppt)	26.1 26.1 Ave.: 26.1		Ave.:	The state of the s	26.1 26.1 Ave.: 26.	4.7 2.0				
O. (mg/L)	6.88 6.85 Ave. 6.87	5.0 4.2	Ave.:	5.0 4.2	6.81 6.79 Ave.: 6.8	2 4.7 2.0				
O.S. (%)	94.8 94.4 Ave. P4.6		Ave.:		939 936 436	8		27.5 and 120% of CS6	47.0 and 130% of CS0	
irbidity (NTU)	7.69 78 Ave. 7.44		Ave.:		7.98 8,63 Ave.: 9,16	06	7.75 /	23.5 and 120% of CS6), \$\\\ 34.4 and 130% of CS6	4tes
S. (mg/L)	: Ave.:		Ave.:		Ave.:			23.5 4.14 120.70 03	-	
tation:	IS15	Duration:	(8:32 to 18:	Depth Depth	of Water (meter):	11.0	Wet bulb calib	ration for DO meter: _	919 1 mg/L (_	26.2-6
	SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit V/A/L	BOTTOM (B)	Action Limit √/	DEPIH	ACTION	LIMIT	REMARI
epth (meter)	1.0		5.5	120	10-0		AVE.	24,82		
гтр. (°С)	: 24.3 24.3 Ave.: 2493		74.3 24.3 24.	.3	74.2 14.2 Ave.: 74.	ν				
Ч	7.28 7.30 Ave.: 7.29		7.32 7.33 7.		7-35 7.37 Ave.: 7-3	.(
alinity (ppt)	26,2 26,2 Ave.: 26,2		>6.2 >6.3 Ave.		26,3 >6.4 Ave.:	1 - 0				
).O. (mg/L)	6.67 6.64 Ave.: 6.67	5.0 4.2	6-60 6.58 Ave. 6.	59 5.0 4.2	6.5-1 6.48 Ave. 6.5	,0				
).O.S. (%)	913 915 Ave. 94		91.0 90.7 Ave.:	0.9	89.8 89.3 Ave. 39.			27.5 and 120% of CS6	7-5 47.0 and 130% of CS0	
Turbidity (NTU)	9.84 7.98 Ave. 9.91		10-4 9,37 AVE.4	.89	(DIV 9.85 Ave.: 0,	<u> </u>	9.61 V	23.5 and 120% of CS6	7-5 34.4 and 130% of CS6	47-0
S.S. (mg/L)	: Ave.:		Ave.:		Avc					
Station:	<u> </u>	Duration:	d=55 10 1	12 12 Dep	th of Water (meter):	9.8	Wet bulb cal	ibration for DO meter:		
	SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit √/A/L	BOTTOM (B)	Action Limit V	/A/L DEPTH AVE. √/A/	ACTION	LIMIT	REMAR
Depth (meter)	(2 0		4.9		8-8		AVE.			
emp. (°C)	24.3 24.3 Ave: 24.3		243 24.3 24.	3 3 2	24.3 24.2 Ave.: 24	.3				
Н	7.14 7.17 Ave-7.16		7.22 7.20 7.	2 (23 (34)	7.25 Ave. 7.25	26				
Salinity (ppt)	36.1 26.2 Ave.: 26.2			612 50 13	26.2 26.3 Ave.: 26	4.7 2.0				
D.O. (mg/L)	6-7 (6.69 Ave. 6,70		N V - 1 V - V - V	5.0 4.2	6.59 6.61 Ave.: 6.1	2.0	/			
D.O.S. (%)	92.5 92.3 Ave.: 92.2		918 91.6 Ave.:	71-7	90-9 912 Ave.: 9	101		27.5 and 120% of CS6	47.0 and 130% of CS	9(2)
Turbidity (NTU)	1 1.79 0.30 00			0(16)	11,4 11,0 Ave.:	と !	7.93	23.5 and 120% of CS6	34.4 and 130% of CS6	1412
S.S. (mg/L)	Ave.:		Ave.:		Ave					<u></u>

Impact Water Quality Monitoring - Data Record Sheet (Flood Co...dition)



Station:		IS12		Duration:	9257	to	1936		oth of Wat	ter (meter):		4	Wet bulb calibra	tion for DO meter:	8.89 mg/L(_	99.3 %
		SURFACE	(S) A	ction Limit $\sqrt{A/L}$	M	IIDDLE (M)		Action Limit √/A/	L	ВОТТОМ	(B)	Action Limit √/A	/L DEPTH √/A/L	ACTION	LIMIT	REMARK
Depth (meter)	:	1.0				7.2				13.			AVE. VIAIL			
Temp. (°C)	24.		Ave. juy		24,2	74.2	24.2		24.)	24.1	Ave 24.2					
pН	7,2		4	The state of the s		7.28	7.28		7.30	7.31	Ave .: 7.3					
Salinity (ppt)	: 56.	3 26.2	Ave.: >6.3		76.3	76.4 A	ve.: 26.4		76.4	26.4	Ave.: 26.4					
D.O. (mg/L)	6.7	3 6.70	Ave.: 6.72	5.0 4.2 🗸		6.62 1	ve.6.64	5.0 4.2	6.44	6,47	Ave.: 6.46	4.7 2.0				
D.O.S. (%)	92	8 92.3			907	91.2	ve.9 1.5		88.8	89,2	Ave.: 89,0			7.5 11200/ of CS4	47.0 and 130% of CS6	4.3
Turbidity (NTU)	7.6		4		862 8		ve.:8,53		738	8 8,76	Ave. 9.07			7.5 and 120% of CS6	34.4 and 130% of CS6	4t.a
S.S. (mg/L)	:		Ave.:			A	ve.:				Ave.:					
Station:		IS14		Duration:	19:40		1925	Dej	oth of Wa	ter (meter):				ition for DO meter: _	9.95 mg/L (_	
		SURFACI	E (S)	Action Limit √/A/L		лIDDLE (M)		Action Limit √/A	/L	ВОТТОМ	(B)	Action Limit √/A	A/L DEPTH √/A/L	ACTION	LIMIT	REMARK
Depth (meter)	:	1,0				8,2				15-			AVE. VIAIL			
Temp. (°C)	74.	3 24.3	Ave. 3		24-3	74.2	14.3		24,7	2 2411	Ave.:					
рН	7.3	7 7.28			7,30	7.32	7.31		7.34		7.35					
Salinity (ppt)	36,	3 26.3	Ave.: 3		26.4	26.4	1ve.: 26.4		J6.4		Ave.: 26.4		7			
D.O. (mg/L)	6.6	7 621		5.0 4.2	6.5-9		1ve.:6:58	5.0 4.2	6.42	2 6.43		4.7 2.0				
D.O.S. (%)	: 92	.0 91.5	Ave.: 9, 2		90.9	90.5	ive. 90-7		8811					27.5 and 120% of CS6	.5 47.0 and 130% of CS6	
Turbidity (NTU)	7,9	8 8,44			7,18	8,29	1ve.: 7.74		8.4	f 8,16	Ave. Ge 30		Will USU USU	23.5 and 120% of CS6	.5 34.4 and 130% of CS6	9.0
S.S. (mg/L)			Ave.:			/	4ve.:				Ave.:	4				PP-7 %)
Station:		CS4		Duration:	10=0	to	70=5	<u>De</u>	pth of Wo	ater (meter)		22.6		ation for DO meter: _	D (mg/L (
			SURFACE			I	MIDDLE				ВОТТОМ		DEP	TH AVERAGE	REM	AKK
Depth (meter)	- 1		1,0				11.3	1			21.6	110:		ale de la companya de la companya de la companya de la companya de la companya de la companya de la companya d National de la companya de la companya de la companya de la companya de la companya de la companya de la compa		
Temp. (°C)	:	24.3	24.3	Ave.: 74.3	24.	- 2_	24.2	Ave.:		٧٠.١	24.0	Ave.:				
рН	:	7,31	7.33	Ave.: 7.32	7-3		7-35	Ave.: 7.36		140	7.39	7-46		244 E		
Salinity (ppt)	1 /	75.8	25.9	Ave.: 25,9	25.		26.0	Ave.:		6,2	26.2	26.2	Page 2020000000000000000000000000000000000			
D.O. (mg/L)		6.92	6-90	Ave.: 6.92	6.8		6-81	Ave.: 6.82	- 6,	67	6.64	Ur O R				
D.O.S. (%)		95.6	95.2				94.8	Ave.: 63,	7 -	71-9	9105	Ave: 9 [-]		9.84		
Turbidity (NTU)		140	11.8	Ave.: 11.4	8.9	9 8	3.76	Ave.: 9.89	5 - 7	7,20	9127	Ave.: 9,24		7.04		
S.S. (mg/L)	:			Ave.:				Ave								
Any notable d	discolora	tion of wate	r?Y/N)fy	es, elaboration i	is as follov	ws:							_			
Any notable p	oollutant	by others n	ear monitoring	g site ? Y N II	yes, elab	oration is	as follow:	s :								
Field Oper	rator	[< .1	M-Kaca	C	necked by		de	9		Laborat	ory Staff			Checked by		
Date		l	1-7013		Date		18/1	1113		Dα	ate			Date		



	· · · · · · · · · · · · · · · · · · ·														
Sampling Date	20-11-2013	Weather Cond	lition: cloud	4 Ambient I	Temperature (°(c): <u>19</u>	_ Sea Condit	ions: <u>Calm/Sm</u> al	Wave / Great Way	<u>ve</u> Tide Mode:	Flood Tide	Direction of w	vater current.	: From CS6 to) CS4
Station: CS6	(Upstream Control State	ion) D	ruration: 7:2	7 10	7:47	Depth of Water	(meter):	2.6	Wet bulb calibr	ation for DO met	er: 9.0 6	mg/L (99.9 %	0 (19.9	°C)
StationC50_	Opsireum Control Stati	SURFACE	uration.		MIDDLE	Doput of water		ВОТТОМ			AVERAGE		REM.		
Depth (meter)	:	(,0			6.3			11.6		E contra					
Temp. (°C)	23.2	23.3	Ave.: 233	23.2	23.2	Ave.: 23.2	23.1	23.2	Ave.: 23,2						
pΗ	7.30	7.30	Ave.: 7.30	7.37	7.37	Ave.: 7.37	7.41	7.42	Ave.: 7.42						
Salinity (ppt)	244	24.4	Ave.: 244	245	24.4	Ave.: 245	24.6	24.5	Ave.: 24.6						
D.O. (mg/L)	7.08	7,10	Ave.: 7,10	6.93	6,97	Ave.: 6.95	6.99	7.01	Ave.: 7.00	620					
D.O.S. (%)	948	95.0	Ave.: 949	92.8	933	Ave.: 93.	93.6	93.9	Ave.: 93.8				120%	130%	
Turbidity (NTU)	8.87	8.83	Ave.: 8.85	9.27	9.23	Ave.: 9.25	9,50	9,48	Ave.: 9,49	9,2	.0		1.0	12.	0
S.S. (mg/L)	:		Ave.:		-	Ave.:			Ave.:						
Station:	SR10 (FCZ)	Duration:_	7:50	to 8:	10 D	epth of Water (m	eter): 13.	4	Wet bulb calibr	ation for DO met	er: 8.98	mg/L (99.7	%) (<u>20.</u>	o_ °C)
	SURFACI	E (S)	Action Limit √/A/L	MIDDLE	E (M)	Action Limit √/A/L	ļ	TOM (B)	Action Limit √/A/L	DEPTH √/A/L	ACTION		LIMIT	REM	1ARK
Depth (meter)	1.0)		6.	[<u>.</u> .		AVE. V/A/L					
Temp. (°C)	23.2 23.7	Ave.: 23.2		23.2 23.	2 23,2			3.1 Ave.: 23.1			1,000				
рН	7.27 7.78			7.33 7.3	3 733			39 Ave.: 7.39	7				Telephone (
Salinity (ppt)	24.5 24.9	5 Ave. 245		24.5 24.			24.6 2	4-5 Ave.: 24.6							
D.O. (mg/L)	7.11 7.13	3 Ave.: 7.15	5.0 5.0	7.04 7.0				88 Ave.: 6.89							
D.O.S. (%)	96.0 95.	5 Ave.: 95.8			9 Ave.: 9.41		92.4 9	21 Ave.: 923		27.0	1200 - CCC	- 47.0 -	d 130% of CS		
Turbidity (NTU	9 899 9.0	1 Ave.: 9.0 [9,17 9,1	3 Ave 9 115		9,30 9	27 Ave.: 9.29		9.15 V		41.5	ad 130% of CS6	41,0	
S.S. (mg/L)		Ave.:			Ave.:			Ave.:		23.3	and 120% of CS6		d 130% of CS6	<u> </u>	
Station:	SR8	Duration:_	8:13	to 8:32	<u> </u>	epth of Water (m	eter): 5 !	t	Wet bulb calibr	ation for DO met	er: <u>8.97</u>	mg/L (99.5	%) (20.	10 °C)
	SURFAC	E (S)	Action Limit √/A/L	MIDDL	E (M) ,	Action Limit \(\sqrt{A/L}\)		TOM (B)	Action Limit √/A/L	DEPTH √/A/L	ACTION		LIMIT	REM	AARK
Depth (meter)		0					<u></u>	<u>ξ</u> φ		AVE. VIAIL					
Temp. (°C)	23.3 23.3	2 Ave. 23.3						3.1 Ave. 23							
рН	7,34 7,33	Ave.: 7,35			/		7.44 7	43 Ave. 7.44	- Secretary and Language Control of						
Salinity (ppt)	24.4 24.0	f Ave.: 24.4			Ave.:		24.6 2	4,5 Ave.: 24.							
D.O. (mg/L)	6.94 6.91	6 Ave.: 6.95	5.0 4.2		Ave.:	5.0 4.2		.78 Ave.: 6.76	- WHO THE REPORT OF THE PROPERTY OF THE PROPER						
D.O.S. (%)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 Ave.:			Ave.:		90.2 90	28 Ave. 90.5		/ 27	5 and 120% of CS6	02 6 47 0 0	nd 130% of CS	d	
Turbidity (NTU	v 10.7 10.5				Ave.:		11.01	Ave.:	Land Head	11.9	5 and 120% of CS6 5 and 120% of CS6	275 47.0 at	nd 130% of CS		
S.S. (mg/L)	:	Ave.:		/	Ave.:			Ave.:		25	. a.m 12070 0j C30	34.4 41			



Station:	SR9	Duration:	8:35	60 8:55	Depth of Water (me	1er): 5.8	Wet bulb calibration for DC	meter: 9.00	mg/L (99.8	1 %) (19.9 °C,
		SURFACE (S)	Action Limit \(\sqrt{/A/L} \)	MIDDLE (M)	Action Limit V/A/L	BOTTOM (B)	Action Limit V/A/L DEPTH V/A/L	ACTION	LIMIT	T REMARK
Depth (meter)	:	10				4.8	AVE.			
Temp. (°C)	2.	3.1 23.2 Ave.: 23.2				23.0 23.1 Ave.: 23.				
pН	7	33 7.34 Ave. 7.34				7.31 7.32 Ave. 7.3.			and the second of	
Salinity (ppt)	2	4.3 24.4 Ave.: 244		Ave.:		24.5 24.6 Ave.: 24.	E SECTION OF THE PROPERTY OF T			
D.O. (mg/L)	6	.87 6.90 Ave.: 6.89	5.0 4.2	Ave.:	5.0 4.2	6.72 6.78 Ave.: 6-18	5 4.7 2.0			
D.O.S. (%)	9	1,9 92,4 Ave. 92.2		Ave.:		89,9 90.8 Ave. 90,0	NEWSCHOOL CAN INCOME AND RESIDENCE AND RESID	1 27.5 J 1200/ - CCS/	47.0 and 1200/ at	(654.)
Turbidity (NTU)	: \	998 992 Ave.: 995		Ave.:	100	12.1 12.0 Ave.: 12.	1 110 1	7 27.5 and 120% of CS6	275 47.0 and 130% of 34.4 and 130% of	
S.S. (mg/L)	:	Ave.:		Ave.:		Ave.:		23.5 and 120% of CS6		CSO
Station:	<u>IS1:</u>	5 Duration	9:00	to 9:20	Depth of Water (me		Wet bulb calibration for DC) meter: <u>9.02</u>	mg/L (_ lO O	<u>%)(19.9 °C</u>
		SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit √/A/L	BOTTOM (B)	Action Limit √/A/L DEPTH AVE V/A/.	ACTION	LIMI	T REMARK
Depth (meter)	<i>:</i>	0.		5.4		9.8	AVE.			
Temp. (°C)	2	3.2 23.2 Ave.:23.2			3.	23.0 23.0 Ave.: 23.1				
рН	1 7	,41 7,40 Ave. 7,4		7.47 7.48 7	48	7.40 7.41 Ave.: 7.4				
Salinity (ppt)	2	4.3 24.3 Ave.: 24.3		29.5 Ave.:	4.5	24.5 24.5 Ave.: 24.			Sacratic Control of the Control of t	
D.O. (mg/L)		01 7.00 Ave.: 7.01	5.0 4.2	6.88 6.82 Ave.	.85 5.0 4.2 V	6.84 6.86 Ave.: 6.85	5 4.7 2.0 V	100		
D.O.S. (%)		3.9 93.1 Ave.: 93.8		I LID	21.7	91.6 91.8 Ave.: 9/1		/ 27.5 and 120% of CS6	47.0 and 130% a	(CSd 1 a
Turbidity (NTU)	1 9	147 9.41 Ave. 9,44		9.82 9.88 Ave. 2	1.85	10.2 10.3 Ave.: [O.	² 3 9,86 ∨	23.5 and 120% of CS6	27.5 47.0 and 130% of	
S.S. (mg/L)	:	Ave.:		Ave.:		Ave.:				
Station:	IS1	3 Duration	1: 9:23	10 9:43	Depth of Water (me		Wet bulb calibration for Do		mg/L (99.8	
		SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit $\sqrt{A/L}$	BOTTOM (B)	Action Limit $\sqrt{A/L}$ DEPTH AVE .	ACTION /L	LIMI	IT REMARK
Depth (meter)	<i>:</i>	(0		4.7		8.4				A COMPANY
Temp. (°C)	2	3.2 23.1 Ave. 23.2			3.1	23.0 23.1 Ave.: 23.				
рН	7	36 7.37 Ave.: 7.37	CONTRACTOR AND ADDRESS OF THE PARTY OF THE P		7.43	7.45 7.45 Ave.: 7.4				
Salinity (ppt)	2	4.4 24.4 Ave. 244			24.4 (70 5.0 4.2)	24.5 24.5 Ave.: 24.	4.7 2.0			
D.O. (mg/L)		.95 6.91 Ave.: 6.9	3 5.0 4.2 1	6.73 6.71 Ave.:	6.14 V	6.80 6.88 6.84	F			
D.O.S. (%)	+	13.1 92.5 Ave.: 9.25				11d [20] [(S		27.5 and 120% of CS	^{47.0} and 130% o	of CSd 11.7 a
Turbidity (NTU)),4 10.5 Ave.: [0.5]		[0.7] [0.8] Ave.:		11.4 11.6 Ave.: 11.5	5 1 1 1 1 1 1 Q9 V	23.5 and 120% of CS		
S.S. (mg/L)		Ave.:		Ave		11.75.				



Station:		IS12	Duration:	9:46 10	(0:0	b Dep	oth of Water (me	ter): 4.	6	Wet bulb calibra	tion for DO met	ter: 8.94 mg	g/L(99.4%)(_	20. C
	T	SURFACE	(S) Action	Limit \(\sqrt{A/L} \)	MIDDLE ((M)	Action Limit √/A/L	BOTTO	M (B)	Action Limit √/A/L L	EPTH V/A/L	ACTION	LIMIT	REMARK
Depth (meter)	:	1,0			7.3			13.	6		AVE. VIAIL			
Temp. (°C)	1		Ave. 23.3	23	3.2 23.7	23.2		23.1 23	1 Ave. 23.					
рН	1	7.35 7.34	Ave.:735	7.	37 7.38	7.38		7.41 7.4	7.42					
Salinity (ppt)	-		Ave.: 24.6	124	7.6 24.6	Ave.: 24.6		24.6 24		4				
D.O. (mg/L)	:	7.20 7.18	Ave. 19 5.0	$ 4.2 \sqrt{7}$	01 7.02		5.0 4.2	6.94 6.9	o Ave.: 6.92	4.7 2.0				
D.O.S. (%)	:	96.4 96.1	Ave.:963	93		Ave.:94.0		929 92	4 Ave.: 927					
Turbidity (NTU) :	11,4 11,0	Ave.: 12	10	10.9	Ave.: 10.9	100	11.3 11.	Ave.: 11,2		/lil V	5 and 120% of CS6 215	47.0 and 130% of CSO 47.0	
S.S. (mg/L)	:		Ave.:			Ave.:			Ave.:		23.2	5 and 120% of CS6	34.4 and 130% of CS6	
Station:		<u>IS14</u>	Duration:	10:10 to	10:3	O Dep	pth of Water (me	ter): 6	0	Wet bulb calibra	tion for DO me	ter: 898 m	g/L (_ 99.8 _%) (_	20. °C
	T	SURFACE	(S) Action	n Limit √/A/L	MIDDLE	(M)	Action Limit $\sqrt{A/L}$	BOTTC)M (B)	Action Limit $\sqrt{A/L}$	DEPTH √/A/L	ACTION	LIMIT	REMARK
Depth (meter)	1:	1,0			8.0)		15.			AVE. V/A/L			
Temp. (°C)	1		Ave. 23.2	23		23.1		23.1 23.	o Ave.: 23.					
pН	:	7.40 7.40	Ave.:7.40	7.	56 757	7.57		7.47 7.4	6 Ave. 7.47			Marie California	(PAHogasia)	
Salinity (ppt)	:	24.6 24.6	Ave.: 24.6	1	4.7 24.6	Ave. 24.7		24.7 24	7 Ave.: 24.					
D.O. (mg/L)	:	7,14 7,10	Ave.: 7,12 5.0	4.2 $\sqrt{7}$	05 7.06		5.0 4.2		7 Ave.: 7.14					
D.O.S. (%)	1:	95.6 95.1	Ave.: 95.4		4.4 94.5				O Ave.: 9.5	The second secon			11224 (200	
Turbidity (NTU	9 :	10.4 10.3	Ave.: 10,4	٩	,949,9	6 Ave.: 9.95		9.90 9.9	8 Ave.: 9,96	4	10e V 27.	5 and 120% of CS6 271	5 47.0 and 130% of CS6 47.	b
S.S. (mg/L)	:		Ave.:			Ave.:			Ave.:			5 and 120% of CS6	34.4 and 130% of CS6	
Station:	(CS41	Durațion:	<u>0:33_to</u>	10:5		th of Water (met	er):22.		Wet bulb calibrati		r: 8.96 mg/		20-0 °C)
			SURFACE			MIDDLE			BOTTOM		DEPTH	I AVERAGE	REMARK	
Depth (meter)		:	1.0			11.2			114	I dua : a a		100		
Temp. (°C)		23.1			23.1	23.2	Ave 23.2	2311	23.1	Ave. 23.1				
рН		7.51	7.50	ve.: 7.5 ·	7.60	7.60	Ave.: 7.60	7,63	7.64	Ave.: 7.64				
Salinity (ppt)		24.5	24.6 A	ve.: 24.6	247	24.6	Ave.: 24.7	24.7	24.7	SACS.		Marian San		
D.O. (mg/L)		7.06	7.04	ve.: 7.05	6.74	6.76	Ave.: 6.15	6.57	6.60	Ave.: 6.59		56 (1) (1) (1)		
D.O.S. (%)		94.5	94.3 1	ve.: 94.4	90.2	90,5	Ave.: 90.4	87.9	88.4					
Turbidity (NTC	0	12.3	1.1	ve.: 12.2	1.9	12.0	Ave.: 1210	10.7	10.8	Ave.: 0.8	11-	1		
S.S. (mg/L)		:	A	ve.:			Ave.:			Ave.:				
Any notable	disc	coloration of water	? \(\sqrt{10} \) If yes, e	elaboration is as	follows:									
-		utant by others nea				is as follows	:					•		
Field Op	erate	or Silt-	A	Checke	d by	(de	19	Labora	tory Staff			Checked by		
Da	e.		11-7012	Date	, ,	20/4/13	2		ate			Date		



ampling Date :	20-11-2013	Weather Con	adition: Cloud	Ambier	nt Temperature (°c): 20	Sea Conditi	ons: <u>Calm / Sm</u> o	all Wave / Great W	<u>'ave</u> Tide Mod	le: <u>Ebb Tide</u> <u>D</u> e	irection of water cu	rrent: From C	S4 to CS6
tation:	CS6	Duration:		16:10				-			r: 9.01 n	ng/L (100	_%) (2	°C.
		SURFACE			MIDDLE			ВОТТОМ		DEPT	H AVERAGE		REMARK	
Pepth (meter)	:	1.0			6.0	2.11.		110						
emp. (°C)	13.3	23.2	Ave.: 23.3	232	23.2	Ave.: 23.2	23.1	23.1	Ave.: 23.					
H	7.28	7.29	Ave.: 7.29	7,31	731	Ave.: 7.31	7,47	7.48	Ave.: 7.48	100				
linity (ppt)	24.4	24.3	Ave.: 244	245	24.5	Ave.: 24_5	24.6	24.6	Ave.: 24.6					
O. (mg/L)	6.80	6.84	Ave.: 682	6.73	6.77	Ave.: 6.75	6.98	7.00	Ave.: 6.99					
O.S. (%)	9/11	91.6	Ave.: 91.4		90.6	Ave.: 90.4		93.7						
urbidity (NTU)	8.14	8.18	Ave.: 8.76	9,01	9.09	Ave.: 9.05	9.57	9.60	Ave.: 9.59	9.1	3			
S. (mg/L)		0110	Ave.:	11.		Ave.:			Ave.:	Y				
ation: S	SR10 (FCZ)	Duration:	15:24	to 15:4	-4 D	epth of Water (me	eter): 13.0	5	Wet bulb calib	ration for DO m	eter: 9.00	mg/L (9 9	9%)(_	20
	SURFACE		Action Limit √/A/L	MIDDI		Action Limit \(\sqrt{A/L} \)		OM (B)	Action Limit √/A/I	DEPTH /	ACTION	Lli	ИІТ	REMAR
epth (meter)	1.0			6.5	5		12	.0		AVE. V/A/L				
mp. (°C)		Ave 23,2		23.2 23.			23,0 23	.(Ave.: 23.						
4	7.20 7.21	Ave. 7.21		7.30 7.	30 7.30		7.35 7.3	36 Ave.: 7.36						
alinity (ppt)	24.4 24.3	Ave.: 24.4		24.5 29	1.5 Ave.: 24.0		24.5 24	6 Ave.: 24 6						
.O. (mg/L)	697 699		5.0 5.0	7.07 7.	01 Ave.: 7.04	5.0 5.0	6.58 6.6	6.5° 6.5°	7 4.7 2.0 V					
.O.S. (%)		Ave.:93.5		94.7 93	3.9 Ave.: 94.3	3	88. 88	3.4 Ave.: 88.	3					
urbidity (NTU)		Ave.:9,22			99 Ave. 8.99		9.07 9.	10 Ave.: 9.00			7.5 and 120% of CS4			
S. (mg/L)	: 1123	Ave.:			Ave.:			Ave.:		2	3.5 and 120% of CS4	34.4 and 130%	of CS4	
tation:	SR8	Duration:	15200_t	o 15:	20 De	oth of Water (met	er): 4.8		Wet bulb calibro	ation for DO me	er: 8.98	mg/L (99c	<u>5</u> %)(20
	SURFACE		Action Limit √/A/L		LE (M)	Action Limit √/A/L		ОМ (В)	Action Limit √/A/	- DEX XXI - // 4/F bon	ACTION	LI	MIT	REMAR
epth (meter)							3、			AVE. V/A/L				
emp. (°C)	23.2 23.2	Ave.: 23,2						Ave.: 23						
Н		Ave. 7.30					7.40 7.	39 Ave 7.40						
alinity (ppt)	54.4 24.4	Ave.: 244		/	Ave.:		24.5 24	4.6 Ave.: 24.	4					
).O. (mg/L)	7.02 7.08	Ave.: 7.04	5.0 4.2		Ave.:	5.0 4.2	6.82 6.	86 Ave.: 6.8L	H 4.7 2.0 \					
).O.S. (%)	940 94.8	Ave.: 94.4			Ave.:		913 91	9 Ave.: 9 1	6			47.0	((65)	
Turbidity (NTU)	10.9 11.1	Ave.: 110			Ave.:		12.2 12	.0 Ave.: 12.			7.5 and 120% of CS4			
S.S. (mg/L)		Ave.:	7		Ave.:			Ave.:		2	3.5 and 120% of CS4	34.4 and 130%	6 of CS4	



tation:	Si	R9 Duration:	1436 10	14:56	Depth of Water (meter).	5.2	Wet bulb calibration for	DO meter: _	9.00 mg/L	(<u>99.9</u> %)(_	20 °C)
		SURFACE (S)	Action Limit \(\sqrt{A/L} \)	MIDDLE (M)	Action Limit V/A/L	BOTTOM (B)	Action Limit V/A/L DEPTH	√/A/L	ACTION	LIMIT	REMARK
epth (meter)		(.0				4.2	AVE.	VANE			
emp. (°C)	:	23.2 23.2 Ave 23.2				3.1 23.1 Ave.: 23.1					
Ч		7,21 7.21 Ave. 7.21				7.36 7.39 Ave. 7.3	8				
alinity (ppt)	:	24.3 24.4 Ave.: 24.4		Ave.:	STATE OF THE PROPERTY OF THE P	24.7 24.6 Ave.: 24.	The state of the s				
.O. (mg/L)	:	7.00 7.08 Ave.: 7.04		Ave.:		6.83 6.85 Ave. 686			100000		
.O.S. (%)	1	93.7 94.8 Ave. 94.3		Ave.:							
urbidity (NTU)	:	11.9 11.4 Ave. 11.7		Ave.:		0.8 10.9 Ave. 10.9	11.3		1215	47.0 and 130% of CS4 47.	,
.S. (mg/L)	:	Ave.:		Ave.:		Ave.:		23.5 ai	nd 120% of CS4	34.4 and 130% of CS4	
tation:		IS15 Duration:	14:13 10	14:33	Depth of Water (meter,	10.2	Wet bulb calibration fo	r DO meter:	8,99 mg/L	(99.8 %)(_	20 %
		SURFACE (S)	Action Limit \(\sqrt{A/L} \)	MIDDLE (M)	Action Limit √/A/L	BOTTOM (B)	Action Limit √/A/L DEPTE	√/A/L	ACTION	LIMIT	REMARK
epth (meter)	:	1.0		5.1		9,2	AVE.			Professional Control	
emp. (°C)	1	233 233 Ave.: 233	2	3.2 23.3 2		13.2 23.1 Ave.: 23.	2				
Ч	:	7.30 7.28 Ave.: 7.29	7	.25 7.26 7	.26 3 5 5 5	1.34 7.33 Ave.: 7.3	4 4 5 5 5				
alinity (ppt)		24.4 24.5 Ave. 24.5		146 246 Ave.	- 1. A statement arrangement and and	24.6 24.6 Ave.: 24					
o.O. (mg/L)	;	6,88 6.90 Ave.: 6.89	5.0 4.2	72 6.77 Ave.:		6.93 6.91 Ave.: 6.9	$2^{4.7}$ $^{2.0}$ $\sqrt{2}$				
).O.S. (%)	:	92.1 92.4 Ave.: 92.3	6	19.9 90.6 Ave. 2		72.8 92.5 Ave.: 92.	1	27.5 a	nd 120% of CS4	47.0 and 130% of CS4 1. 7	
urbidity (NTU)	:	12.1 12.2 Ave.: 12.2		9.4 10.5 Ave.:	105	0,9 10.6 Ave.: 10.	8 11.3	4 🗸	121.9	47.0 and 130% of CS4 47.3	0
S.S. (mg/L)	:	Ave.:		Ave.:		Ave.:			,		
tation:		S13 Duration	ı: 132 <u>50 to</u>	14:10	Depth of Water (mete			for DO meter	: 8.97 mg/	L(99.7 %)(
		SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit √/A/L	BOTTOM (B)	Action Limit √/A/L DEPT. AVE.		ACTION	LIMIT	REMARK
Depth (meter)		િ		4.5		6,8					
emp. (°C)	:	23.2 23.2 Ave.: 23.2				23.1 23.1 Ave.: 23					
H	:	7.31 7.31 Ave. 7.31				7.20 7.30 Ave.: 7.2	the state of the s				
Salinity (ppt)	:	29.4 24.4 Ave. 24.4	TEST SCHOOLSTAGGAATTE GAATTE G	24.5 24.6 Ave.:	24.6	24.6 24.6 Ave.: 24	A CONTRACTOR OF THE PROPERTY O				
D.O. (mg/L)	:	6.94 6.96 Ave. 6.95	5.0 4.2	91 6.93 Ave.	$6.92^{-5.0}$	7.02 7.01 Ave.: 7.0					
D.O.S. (%)	:	92.9 93.2 Ave. 93.		125 928 Ave.	92.1	93.8 93.9 Ave.: 93		27.57	and 120% of CS4 21.5	47.0 and 130% of CS4 4 N	7
Turbidity (NTU)		12.0 12.1 Ave.: 12.1		11 8-		0.8 [0.4] Ave.: [0.	6 11.3		and 120% of CS4	47.0 and 130% of CS4	160
.S. (mg/L)	<u> </u>	Ave.:		Ave.:		. Ave.:		25.5 (2.0.70 0) (2.51)		



Station:	IS12	Duration: 3	1:26 to 1	13:46 D	epth of Water (meter): 140	Wet bulb calibration for DO met	er: 8,99 mg/L	(99.7 %)	(20. (°C)
	SURFA	CE (S) Action	Limit √/A/L	MIDDLE (M)	Action Limit √/A/L	BOTTOM (B)	Action Limit V/A/L DEPTH	ACTION	LIMIT	REMARK
Depth (meter)				1.0		13.0	DEPTH AVE. V/A/L			
Temp. (°C)	23.3 23	2 Ave.: 23.3	23,1	23.2 23.2		23.1 23.1 Ave.: 23		Andrews Commence		
pН	7,34 7,3	100000000000000000000000000000000000000	7.5	7.50 7.51		7.48 749 Ave. 74				
Salinity (ppt)	244 24	4 Ave.: 244	24.5	24.4 Ave.: 24		24.6 24.6 Ave. 24				
D.O: (mg/L)	7.08 7.1	0 Ave. 7.09 5.0	4.2 V 7.00	7.02 Ave 7.0		6.82 6.88 Ave.: 6.8				
D.O.S. (%)	94.8 95	(Ave.: 95.0	93.1		4	91.3 921 Ave.: 91	.7			No.
Turbidity (NTU)	10.8 11.	2 000000000000	11.5	11. H Ave.: 11.			$\frac{2}{\sqrt{12}}$	419		47.0
S.S. (mg/L)	:	Ave.:		Ave.:		Ave.:	23	.5 and 120% of CS4 3	4.4 and 130% of CS4	
Station:	IS14	Duration:	3:03 to 1	3:23 D	epth of Water (meter	·):15·b	Wet bulb calibration for DO met	er: 8.98 mg/L	(97.6 %)	(20. °C)
	SURFA	CE (S) Action	Limit √/A/L	MIDDLE (M)	Action Limit √/A/L	BOTTOM (B)	Action Limit $\sqrt{A/L}$ DEPTH $\sqrt{A/L}$	ACTION	LIMIT	REMARK
Depth (meter)	·	E0000000000000000000000000000000000000		7.8		14.6	AVE.			
Temp. (°C)	233 23.		23,2	23.2 23.2		23.0 23.1 Ave. 23.				
рН	7.36 7.3	7 Ave. 7.37	7.43	7.43 7.43		1.50 751 Ave. 7.5				
Salinity (ppt)	24.5 24	1.5 Ave.: 245	24.5			24.6 246 Ave.: 24				
D.O. (mg/L)		4 104	4.2 1 697	6.91 Ave.: 6.9	5 5.0 4.2 1	6.94 6.97 Ave.: 6.4	6 4.7 2.0			14.6
D.O.S. (%)	93.9 94		93.3	92.5 Ave.: 92		92.9 93.3 Ave.: 9			5.0	
Turbidity (NTU)	9.48 9.5	50 Ave. 9.49	2.b	125 Ave. 12.	6	12. 12.2 Ave.: 12		1 1.0	7.0 and 130% of CS4 4.4 and 130% of CS4	47.0
S.S. (mg/L)	: ' '	Ave.:		Ave.:		Ave.:		3.5 and 120% of CS4	4.4 ana 130% of CS4	
Station: <u>CS4(</u>	Upstream Control S	<u>'tation)</u> Durati	ion: 12:40 t	0 13:00	Depth of Water (meter): 2210	Wet bulb calibration for DO m	eter: 6.95 mg/L	(99.4 %	6) (<u>20.1</u> °C
		SURFACE		MIDDLE		ВОТТОМ	DEPT	H AVERAGE	REMA	RK
Depth (meter)	÷	σ_{i}		11,0		21.0		ud .		
Temp. (°C)	23.2		23.2 23		Ave.: 23.2	23.1 23.1	Ave.: 23.)	100		
pН	7.34	7.30 Ave		42 7.41	Ave.: 7.42	7.45 7.4				
Salinity (ppt)	24.4	24-5 Ave	245 2	tb 24.5	Ave.: 24.6	24.7 24.6		Service of Bernel		
D.O. (mg/L)	7,18	7.15 Ave	1.1 6	83 6.87	Ave.: 6-85	7.08 7.10	100000000000000000000000000000000000000			1200/
D.O.S. (%)	96.1	95.7 Ave		1.5 91.9	Ave.: 91.7	948 95			120%	130%
Turbidity (NTU)	9,91	9.93 Ave	704 110	8 11.9	Ave.: [, 9	11.7 11.6	Ave.: 1,7		13.4	14.6
S.S. (mg/L)	:	Ave			Ave.:		Ave.:			
Any notable o	discoloration of war	er? Y / NO lf yes, ela	aboration is as follo	ows:					,	
Any notable p	pollutant by others	near monitoring site	? y/ io f yes, elai	boration is as follov	/s :					
Field Oper	rator Sel	-lam	Checked by	(4	ele	Laboratory Staff		Checked by		
 		11-2013	Date		10/13	Date		Date		



ampling Date :_	22/11/13	Weather Cond	lition: <u>Unwly</u>	Ambien	t Temperature (°	C): 21°C	Sea Conditio	ns: <u>Calm/Small</u>		<u>ve</u> Tide Mode: <u>Flo</u>		ction of water current.	
ation: <u>CS6 (U</u>	Ipstream Control Stat	ion)D	uration: 8=4	to q		Depth of Water	(meter): 12		Wet bulb calibr	ration for DO meter:		g/L (<u> </u>	6) (<u>246 °</u> °
		SURFACE			MIDDLE			BOTTOM		DEPTH AVE	KAGE	KBIVI.	And
epth (meter)	·	1.0	T .		64	T 400 :		118	Ave.:				
emp. (°C)	22,7	12.7	Ave.: 22.7	22.9	22,9	Ave.: 22 q	22.9	22.9	22_9				-
H	7,69	768	Ave.: 7.69	7,67	768	Ave.: 7.68	7.69	7.69	7-69		37(10)		
linity (ppt)	24.0	24.0	Ave.: 24,0	24,6	246	Ave.: 246	24.8	24,8	4778				
O. (mg/L)	6.02	6,05	Ave.: 6,04	5-95	5,91	Ave.: 5,93	5.46	5,98	Ave.: 597			120%	130%
.O.S. (%)	80,4	800	Ave.: 806	79.8	79,3	Ave.: 79.6	79,9	80.7	Ave.: 80/1			4	
urbidity (NTU)	7,23	7,28	Ave.: 7.26	7.75	7.71	Ave.: 7,73	8-26	8,22	Ave.: 8,24	7.74		8,93	10.06
S. (mg/L)	:		Ave.:			Ave.:			Ave.:				
ation:	SR10GFCZ)	Duration:	9=19	to 9=34		Pepth of Water (m	eter):	.0	Wet bulb calib	ration for DO meter:	<u>8,41 n</u>	0 12 11	%) (24.6
Ī	SURFAC	E (S)	Action Limit √/A/L	MIDD	DLE (M)	Action Limit √/A/L	BOTT	OM (B)	Action Limit √/A/L	DEPTH √/A/L	ACTION	LIMIT	REMARI
epth (meter)	4.0			7	7.0		13	. ე		AVE. V/A/L			
mp. (°C)	22.6 22.6	Ave.: 226		22.8 22	.8 228		22-9 22.						
H	7.63 7.67	Ave.:7,68		7.69 7.70	7.70		7,70 7,7						
linity (ppt)	24-1 24-1	Ave.: 24-1		24-6 24			24-9 24.						
O. (mg/L)	6,18 6,14	Ave.: 616	5.0 5.0	5.98 5.9	14 Ave.: 596	5.0 5.0	5,94 59	5 Ave.: 592	4.7 2.0				
O.S. (%)	82,2 81.7	Ave.: 820		20,2 79,	7 Ave.: 30.0		79,9 79,	4 Ave.: 79,7			110004 6684	47.0 412000 -5005	24
urbidity (NTU)	7.38 7.32	Ave ·		8.05 8.0			7.88 7.8	Ave.: 7.85		114 4	d 120% of CS6		47.0
.S. (mg/L)	: 750	Ave.:			Ave.:			Ave.:		23.5 an	d 120% of CS6	34.4 and 130% of CS]
tation:	SR8	Duration:	9=52	to 10=0 =	3	Depth of Water (m	eter): 5,	6	Wet bulb calib	ration for DO meter:	8.39	mg/L (<u>99.6</u>	%) (24.7
	SURFAC		Action Limit $\sqrt{A/A}$	T	DLE (M)	Action Limit √/A/L	ВОТТ	OM (B)	Action Limit √/A/L	DEFIII 1/14/I WWW.	ACTION	LIMIT	REMAR.
epth (meter)	: 1.0						4	.6		AVE. VIAIL		and the second second	
етр. (°С)	22.2 22.3	Ave.: 228					72.8 22.						
Ч	7,72 7,71	Ave.: 7.72					7.21 7.7						
alinity (ppt)	24.8 24.8	Ave.: 24.X			Ave.:		24,9 24,	9 Ave.: 14.0					
O.O. (mg/L)	5,97 5,95	4110 :	5.0 4.2	7 /	Ave.:	5.0 4.2	5.90 5.8	Ave.: 5-89	4.7 2.0				
.O.S. (%)	79,1 79,5	Ave .			Ave.:		78,9 78.	4110 .					
urbidity (NTU)	9.00 9.06				Ave.:		10,8 10,	Ava:		4.92 /	nd 120% of CS6 27.		47-0
S. (mg/L)	1: 4.00 4.00	Ave.:			Ave.:			Ave.:		23.5 ar	d 120% of CS6	34.4 and 130% of CS	6



Station:	SR	9	Duration:	80=01	_to	0=20	_ De	epth of Water (m	eter):	5,8	Wet bulb calib	ration for DC	meter: <u>3.39</u>	mg/L	(99,4	%) (24.	<u>7°C</u>
		SURFACE	(S)	Action Limit √/A/L		MIDDLE (M))	Action Limit √/A/L		BOTTOM (B)	Action Limit √/A/I	DEFIN	ACTION		LIMIT		REMARK
Depth (meter)		1.0								4.8		AVE.					
Temp. (°C)		12,9 22,9	Ave.: 22.9						22.8	22.8 Ave.: 22	8	1000					
рН	1: 7	ha 7.60	Ave.: 7,69			<u> </u>			7,70	7.69 Ave.: 7.7	0						
Salinity (ppt)	2	47 76 i	Ave.: 74.7				1ve.:		24.8	24,7 Ave.: 24,	- Indiana - Indi		100				
D.O. (mg/L)	: 6	0/ /02	Ave.:	5.0 4.2			4ve.:	5.0 4.2	16.01	5,99 Ave.: 6.0	\circ $\begin{vmatrix} 4.7 & 2.0 \\ & & \end{vmatrix}$ \vee	1 2 2 4					
D.O.S. (%)	: 8	1,4 81,0	81.2				4ve.:		3008	80,3 Ave.:	5 445		27.5 1/200/ 60	ad L	7.0 4.1200/ -6/25		:
Turbidity (NTU)	27	73 774	7.76	76			4ve.:		8/54	8,49 Ave.: 8,5	2	8.14	27.5 and 120% of C	27.5	7.0 and 130% of CS	47-0	
S.S. (mg/L)] :	· ·	Ave.:			A	4ve.: •			Ave.:			23.5 and 120% of C	30 3	4.4 and 130% of CS		
Station:	<u>IS</u>	15	Duration	: 0=25	_to1	0=40	D	epth of Water (m	neter):	11,4	Wet bulb calib	ration for D	O meter: 8/41	mg/L	(99.6	%) (24,	<u>°(</u>
		SURFACE	(S)	Action Limit √/A/L		MIDDLE (M,	9	Action Limit √/A/L		BOTTOM (B)	Action Limit √/A/I	DEPIR	ACTION		LIMIT		REMARK
Depth (meter)	:	1-0	,			5,7				10-4		AVE.	-				
Temp. (°C)	:	2.8 228	Ave.: 22-8		23,0	23.0	23,0		23,0	23.0 Ave.: 23.	0 100						
pН	•	1.70 7.71	Ave.: 7.71		7,72	7.72	7/72		7.72	7.73 Ave.: 7.7	3					_	
Salinity (ppt)	1 / 2	4.1 24,1	Ave.: 24,1		249	124.4	4ve.: 24,9	50 40	24,9								
D.O. (mg/L)	1: 6	02 6.05	Ave.: 6.04	5.0 4.2	5.83	5,79	4ve.: 5.81	5.0 4.2	5,89	5,86 Ave.: 5,8		1					
D.O.S. (%)	8	0,8 81,2	Ave.: 8 -0		78.5	78.0	78-3			78.9 Ave.: 79.			27.5 and 120% of C	रत रि	7.0 and 130% of CS	d	
Turbidity (NTU)	1	-51 6,47	Ave.: 6-49		7,54	1/2501	Ave.: 7,52		2362	Ave.: 11/2	2	8,40 6	23.5 and 120% of C	27.5	4.4 and 130% of CS	47.0	
S.S. (mg/L)	-	`	Ave.:				Ave.:			Ave			25.5 una 12070 0j C		4.7 und 13070 of CS	<u> </u>	
Station:	IS	13	Duration	:10=46	to	11=02		epth of Water (n	neter):	10-6			O meter:			%) (24	<u> </u>
		SURFACE	(S)	Action Limit √/A/I		MIDDLE (M)	0	Action Limit $\sqrt{A/A}$	L .	BOTTOM (B)	Action Limit √/A	DEPIH 1//A	ACTION		LIMIT		REMARK
Depth (meter)	:	1.0	T.			5.3				9,6		AVE.					
Temp. (°C)	1		Ave.: 22-7		23,0	23.0	23.0		23.0	23.0 Ave.: 23.	0						
рН	1:17	774 774	Ave.: 7.74	Control and the second second	7.13	7.74	7.74		775	7.76 Ave.: 7	16						
Salinity (ppt)	2	4-1 24-1	Ave.: 241	The second secon	24,9	24-9	Ave.: 240	50 42	24,9	24-9 Ave.: 24	4.7 2.0						
D.O. (mg/L)	1:16	,06 6.03	Ave.: 6.05	5.0 4.2	5.87	5.84	Ave.: 5.86	5.0 4.2	(S)	5.90 Ave.: 5.9	[2	1					
D.O.S. (%)	8	1.0 80.6	Ave.: 30 8		74.0	18.6	18.8		79.9	79,4 Ave.: 79.			27.5 and 120% of (.56	47.0 and 130% of CS	56	
Turbidity (NTU)) -	7-19 7-12	Ave.: 716		8-29	13,26	Ave.: 8,28		8.32	8.27 Ave.: 8.3	0	7.911 2	23.5 and 120% of C	215	37.0 and 130% of CS	47.0	
S.S. (mg/L)		1	Ave.:				Ave.:			Ave			23.5 and 12070 0)				



Station:	<u>I.</u>	S12		Duration:	11=10	_to	1=25	De	epth of Water (me		14,8		Wet bulb calib	ration for D) meter	r: <u>8,40</u>	_mg/L	(99.5	<u>%) (_24</u>	
			SURFACE	(S)	Action Limit √/A/L		MIDDLE (M)	Action Limit √/A/L		BOTTON	1 (B)	Action Limit \(\sqrt{A/L} \)	DEPTH √/A/	T REPORTED	ACTION	74144 E004 Berri	LIMI	Γ	REMARK
Depth (meter)	:		1.0				7,4				13/7)		AVE.	2					
Temp. (°C)	-	22,7	227	Ave.: 22.7		27 8	22.8	22.8		27.9	22.9	Ave.: 22,9								
pН	:	7.18	7.77	Ave.: 7.78		176	7.76	7.76		7.78	Ţij.	Ave.: 7.78								
Salinity (ppt)	:	24,2	24,2	Ave.: 24.2		24/6	246	Ave.: 29-6		24,6	246	Ave.: 246								
D.O. (mg/L)	:	6.16	6/15	Ave.: 616	5.0 4.2	6-01	597	Ave.: 5 99	5.0 4.2	6.00	6.03	Ave.: 6.02	4.7 2.0							
D.O.S. (%)	-	821	81.9	Ave.: 320		2014	79.9	Ave.: 80,2		80,2	80.6	Ave.: 80,4				110001 6001			90.00	
Turbidity (NTU)	:	10,3	10.3	Ave.: 10/3		9.03		Ave.: 9,05		967	962	Ave.: 9.65		967 V			275	.0 and 130% of	47-0	
S.S. (mg/L)	:			Ave.:				Ave.:		, ,		Ave.:			23.5 6	and 120% of CS6	34	.4 and 130% of	CS6	
Station:		S14		Duration:	11=30	_to_]]=	46	D	epth of Water (me	ter):	17,2		Wet bulb calib		0 mete	r: <u>8.39</u>	mg/L	(99,6	<u>%) (24</u>	-6°C)
			SURFACE	(S)	Action Limit √/A/1		MIDDLE	M)	Action Limit √/A/L		BOTTON	1 (B)	Action Limit √/A/L	DEPTH V/A	//	ACTION		LIMI	T	REMARK
Depth (meter)	:		1.0				8.6				16,			AVE.	2					
Temp. (°C)	7	12,7	227	Ave.: 227		22,8	22.8	22.8		22,8	22%	Ave.: 228								
pН	:	7.79	7.78	Ave.: 7,79		7.78	7,18	7.78		776	<i>u</i> 17	Ave.: 7,77								
Salinity (ppt)	7	24/2	24,2	Ave.: 24,2		24,4	24.4	Ave.: 24.4		24/6	246	Ave.: 246								
D.O. (mg/L)	:	6/13	6,15	Ave.: 6,14	5.0 4.2	6.06	6.02	Ave.: 6.04	5.0 4.2	5,97	5,93	Ave.: 595	4.7 2.0 V	1						
D.O.S. (%)	:	81,7	82,0	Ave.: 81,9	100	81/1	80.6	Ave.: 80.4		80,0	79.5	Ave.: 79 8				11000 6000		10 112000	6664	
Turbidity (NTU)		8.62	8,57	Ave.: 3.60		6,55	6.51	Ave.: 6,5		10.2	10.2	Ave.: 10-2		7.44 1		and 120% of CS6	11-5	7.0 and 130% o	147-0	
S.S. (mg/L)	:			Ave.:				Ave.:				Ave.:			23.5	and 120% of CS6		.4 and 130% oj		
Station:	_C.	54		Duration:	12=00	to12=	16	De	epth of Water (met	er):	227		Wet bulb calibro				_mg/L (99.5	_%) (_24)	7_°C)
				SURFACE	1			MIDDLE				ВОТТОМ		L	EPTH A	AVERAGE	7568		REMARK	
Depth (meter)] :			1-0				11.4				21.8	T 400 :				_			
Temp. (°C)	:	22	.7.	22,7	Ave.: 22.7	122.8		22.8	Ave.: 22,3	12.8		227	Ave.: 22.8							
pΗ	1	7/	[7	7.17	Ave.: 777	7,79		7.18	Ave.: 7,79	7,79		7,79	Ave.: 179				_			
Salinity (ppt)		24	/2	24,2	Ave.: 24,2	24,3	}	24-3	Ave.: 29,3	24/	6	24/7	24/							
D.O. (mg/L)		6-	16	6/13	Ave.: 6-15	6.00	1	507	Ave.: 6,03	5,95		5,99	Ave.: 5,97							
D.O.S. (%)		82	4	82,1	Ave.: 82.3	81-3		809	Ave.: 81-1	79,7		80.3	Ave.: 80.0	1 .						
Turbidity (NTU)	<u> </u>	3-	51	3.49	Ave.: 8,50	18-5	9-62	9.60_	Ave.: 9,61	12	5113	11-3	Ave.: 11,3		180					
S.S. (mg/L)	عل			<u> </u>	Ave.:				Ave.:				Ave	<u> </u>						
Any notable d				-				io oo follow												
Any notable p	ollu	tant by	otners ne	ear monitoring	y site ? Y / (N)	ı yes, elal	oration ————	is as lollow	٥				T T		т.			T		
Field Oper	ator		Huk	Tei War		hecked by		lde	1		Laborai	ory Staff				Checked l	by			
Date			7	2/11/13		Date		22/	n/13		D	ate				Date				



Sampling Date :	22/11/13	Weather Con	ndition : Unrolu	Amb	nient Temperature (°	C): 12°(Sea Conditi	ons: <u>Calm/Sm</u> a	Il Wave / Great W	ave Tide Mode	e: <u>Ebb Tide</u> <u>Dire</u>	ection of water curr	ent: From CS4	to CS6
Station:	CS6	Duration:_	16=23	0_16=4	5 Dep	oth of Water (met	er): 12,2		Wet bulb calibrat	ion for DO meter	: <u>8,38</u> mg	/L (99,5	%) (24.2	°C)
		SURFACE			MIDDLE			ВОТТОМ		DEPTH	AVERAGE	Į.	REMARK	
Depth (meter)	:	1-0			6.1			11/2						
Temp. (°C)	22.8	22.8	Ave.: 228	23.0	23.0	Ave.: 230	23.0	23.0	Ave.: 23,0					
рН	7.79	7,79	Ave.: 7,79	7.78	7.79	Ave.: 7,79	7.79	7.79	Ave.: 7,79					
Salinity (ppt)	24,1	24-1	Ave.: 214)	24,7	247	Ave.: 24,7	24.8	24.8	Ave.: Z48					
D.O. (mg/L)	6-10	6.13	Ave.: 6,12	6.04	6,07	Ave.: 6,06	5,97	5,95	Ave.: 5,97					
D.O.S. (%)	81,3	81,7	Ave.: 81-5	81.0	81,4	Ave.: 81.2	80,2.	79.8	Ave.: 80,0					
Turbidity (NTU)	6,45	6,51	Ave.: 6,48	8-24	8,20	Ave.: 8,22	7,13	7,07	Ave.: 7/10	7,2	- 1			
S.S. (mg/L)	:		Ave.:	,		Ave.:			Ave.:					
Station: SF	R10 (FCZ)	Duration:	17:02	to 17=10	De	epth of Water (me	eter):13	<u>,-4</u>		•	ter: <u>8,39</u>	mg/L (99.6	<u>%) (24,8</u>	
	SURFACE	E (S)	Action Limit √/A/L	MII	ODLE (M)	Action Limit √/A/L	BOTTO	OM (B)	Action Limit √/A/L	DEPTH √/A/L	ACTION	LIMI	T R.	EMARK
Depth (meter)	1.0		104 SE		6,7		12	14		AVE.				
Temp. (°C) :	22.8 22.8	Ave.: 22, 3		23.0 2	3.0 23.0		23.0 23.							
pH :	7.78 7.79	Ave.: 7.76		1779	7.18 7.79		7.78 7.7							
Salinity (ppt)	24,1 24,1	24/1		248 21	1/8 Ave.: 24.8	50 50	24-9 24-) 1 4	47 20		100.00			
D.O. (mg/L)	6.06 6.02	Ave.: 6,04	5.0 5.0	5-91 5	95 Ave. 593	5.0 5.0	5.92 5.99		4.7 2.0					
D.O.S. (%)	80-6 80,3	Ave.: 80.6	a distribution	74.3 7	9,2 Ave.: 79,6		19,5 79,0	Ave.: 79.7		27	5 and 120% of CSA	47.0 and 130% o	(CSA	
Turbidity (NTU)	7,66 7.60	163		8,09 8			8.5		<u> </u>		5 and 120% of CS4 5 and 120% of CS4	34.4 and 130% o	47.0	
S.S. (mg/L)		Ave.:			Ave.:			Ave.:			J una 12070 0j C54	34.4 and 13070 of		
Station:	SR8	Duration:_	16:07	16=1	<u>Z</u>	oth of Water (met	er): 4,8	<u> </u>	Wet bulb calibra	tion for DO mete	r: <u>8,39 </u>	18/L (_99,5_	<u>%) (24,8</u>	°C)
	SURFACI	E (S)	Action Limit √/A/L	MI.	DDLE (M)	Action Limit √/A/L		OM (B)	Action Limit √/A/L	DEPTH AVE. √/A/L	ACTION	LIMI	T R	EMARK
Depth (meter)	1.0			-			3,			AVB.				
Temp. (°C)	22-9 229	Ave.: 22.9					22,9 22						_	
рН	777 778	Ave.: 7.78			/_		7,79 7,7	8 Ave. 7.79						
Salinity (ppt)	24.8 24.8	Ave.: 24.8			Ave.:	50 43	24,9 24,0	Ave.: 24,0	47 20					
D.O. (mg/L)	5,97 5,99	Ave.: 598	5.0 4.2		Ave.:	5.0 4.2	5.96 5.90	Ave.: 5 A3	4.7 2.0					
D.O.S. (%)	80,0 80,3	Ave.: 80.2			Ave.:		79,6 78	Ave.: 79.3		1 1 2	.5 and 120% of CS4	- 47.0 and 130% o	rcs4	
Turbidity (NTU)	8,80 8,86	R-83			Ave.:		9-45 9,4	o Ave.: 9,43		9/13 1	.5 and 120% of CS4	34.4 and 130% o	47.0	
S.S. (mg/L)		Ave.:			Ave.:			Ave.:			.5 and 12070 of CD4	J and 15070 0		



Station:	Si	R9		Duration:_	15:48	to	16300	De	pth of Water (me	ter):	5.6		Wet bulb calibrat	tion for DO	meter: _	8-40	_mg/L (_	99.7	%) <u>(24, </u>	[°C)
			SURFACE	(S)	Action Limit √	/A/L	MIDDLE	(M)	Action Limit √/A/L		ВОТТОМ (В	3)	Action Limit √/A/L	DEPTH AVE. √/A	/7	ACTION		LIMIT		REMARK
Depth (meter)	:		1.0								4-6			AVE. V/A	/L					
Temp. (°C)	:	23.0	23.0	Ave.: 23.0						22,9	22.9	4ve.: 229								
рН	-	7.78	7.18	Ave.: 7.78					100	7,78	7.78	1ve.: 7,77								
Salinity (ppt)	:	24,8	24.8	Ave.: 248	19 (19 (19 (19 (19 (19 (19 (19 (19 (19 (Ave.:		248	248	4ve.: 24.8				100				
D.O. (mg/L)		6.02	6.05	Ave.: 6.04	5.0 4.2			Ave.:	5.0 4.2	6.04	6.06	4ve. 6.05	4.7 2.0							
D.O.S. (%)	7	80.2	81.2	Ave.: 81-0				Ave.:		81.0	21,3 A	4ve.: 81-2								
Turbidity (NTU)	:	7,95	7,91	Ave.: 7.93				Ave.:		7.87	7.84 A	4ve.: 7,86		7,90		nd 120% of CS4	2/5	7.0 and 130% of C	47-0	
S.S. (mg/L)	:			Ave.:				Ave.:			A	Ave.:			23.5 a	nd 120% of CS4	34	1.4 and 130% of C	S4	
Station:		IS15		Duration:	15=27	to	15=42	De	epth of Water (me	eter):	10,4		Wet bulb calibra	tion for DO) meter:	8,42	mg/L (99.5	%) (_24	-8 °C)
			SURFACE		Action Limit V	//A/L	MIDDLE		Action Limit V/A/L	T	BOTTOM (E	B)	I I I /	DERTH		ACTION		LIMIT		REMARK
Depth (meter)			1.0				5, 2				9/4			AVE. √/A	/L	I.				
Temp. (°C)		23.0	23.0	Ave.: 23.0		2	13-1 23-1	13.1		23.1	23,1	Ave.: 23,\								
рН	:	7.77	7.76	Ave.:		7.		1.18		7.78	7.18	Ave.: 7.78								
Salinity (ppt)	:	24.2	24.2	Ave.: 24,7			4,8 24,8	Ave.: 247	7	24-9	24.9	Ave.: 24-9								
D.O. (mg/L)	1:	6,05	6.08	Ave.: 6.07	5.0 4.2			Ave.: 5,87	5.0 4.2	5,40	E 94 A	Ave.:	4.7 2.0							
D.O.S. (%)	1:	70.K	81-1	Ave.: 80,9		62.5	78.8	Ave.: 79.8)	79,4	79,9	Ave.: 79.7								
Turbidity (NTU)	7	6.90	1	Ave.: 692			30 8.86	Ave.: 3.83		10-2	10,2	Ave.: 10,2		8.65	27.5 a	nd 120% of CS4	27.5	7.0 and 130% of C	:S4 47-0	
S.S. (mg/L)	1	-V-C-1-V	V' 1.1	Ave.:			29 0.22	Ave.:				Ave.:			23.5 a	nd 120% of CS4	34	1.4 and 130% of C	S4	
Station:		513		Duration	·· 15:03	to	[5=2]		Depth of Water (n	neter):	9.2		Wet bulb calibi	ation for L	0 meter	: 8,43	mg/L	(99-6	_%) (_2	4.8 °C
			SURFACE	(S)	Action Limit v	//A/L	MIDDL	E (M)	Action Limit $\sqrt{A/A}$	L	BOTTOM (I	<i>B)</i>	Action Limit √/A/L	DEPTH ,		ACTION		LIMIT		REMARK
Depth (meter)	:		1-0				4.6)			8,2			AVE. √/A	VL					-
Temp. (°C)	1	73.0	23,0	Ave.:)	3.1 23.	23-1		23,1	431	Ave.: 23.1								
рН	:	7,75	7.15	Ave.: 7.75		7,	.76 7.76	7.76		7.76	7.15	Ave.: 7.76								
Salinity (ppt)	;	24.1	24,1	Ave.: 241			4.8 24.8	Ave.: 24;	Ŷ	24-9	124,9	Ave.: 74.9								
D.O. (mg/L)	1	6.10	6.13	Ave.: 6-12	5.0 4.2	1	92 5,95	Ave. 5AI	4 3.0 4.2 V	5.93	5.89	Ave.: 5,91	4.7 2.0							
D.O.S. (%)	1	81.5	21.9	Ave.: 81-7			196 90.0	79.8		79.8	79.3	Ave.: 79-6								
Turbidity (NTU)	:	7-24	7/20	Ave.: 7/22			7,22 8,17			11,4		Ave.: 11-4		8.94	4	and 120% of CS4		7.0 and 130% of (
S.S. (mg/L)	:	-		Ave.:		9	,	Ave.:		1		Ave.:			23.5 d	and 120% of CS4	3.	4.4 and 130% of C	CS4	



Station:	1	S12	Duration:	14=42	to14=	57	Dept	h of Water (mete	r):	14.2		Wet bulb calibro	ation for DO	meter:	8,43	mg/L (996	%) <u>(24,2</u>
	T	SURFAC	CE (S)	Action Limit V	//A/L	MIDDLE (M)	A	ction Limit $\sqrt{A/L}$		BOTTOM	(B)	Action Limit √/A/I	DEPTH JA	//	ACTION		LIMIT	REMA
Depth (meter)	1:	Ó				7.1				13.			AVE.	. 2		i.		
Temp. (°C)	:	23/0 23/0	Ave.: 23:0		23.1	23.1	23/1		3/1	23/1	Ave.: 23.1							
рН	:	7,72 7,7	Aug :		7.70	770	7.70		7,69	7/10	Ave.: 7.70							
Salinity (ppt)	1	24,2 24,2	Ave.: 24/2		24,5	24,5	lve.: 24.5		246	24/5	246							
D.O. (mg/L)	1	6.19 6.16	Ave.: 6.17	5.0 4.2	6,05	6.08	n/V/EL	5.0 4.2	5,90	5,86	Ave.: 5.88	4.7 2.0	1					
D.O.S. (%)	- 1	82,9 82,4	Ave.: \$2.7		81.0	81,4	(ve.:		75.6	75.0	Ave.: 75.3			07.5	1200/ (CCC)	47.0		
Turbidity (NTU	Ŋ :	7.88 7.82	4110		9,94	9,90	lve.:992		10/3	10,3	Ave.: 10-3		9-36 ~		120% of CS4 120% of CS4	7.5	and 130% of C.s	H7-0
S.S. (mg/L)	:		Ave.:			<i>A</i>	lve.:				Ave.:							1
Station:		S14	Duration:	14:21	to14:	= 36	Depi	h of Water (mete	er):	16.6		Wet bulb calibr			8,39	mg/L (99,4	
		SURFA	CE (S)	Action Limit v	//A/L	MIDDLE (M))	Action Limit \(\sqrt{A/L}\)		ВОТТОМ	(B)	Action Limit √/A/I	DEPTH V/A	/L	ACTION		LIMIT	REMA
Depth (meter)	:	1-0				8/3				15-6			AVE.					
Temp. (°C)		23.0 23.0	Ave.: 23.0		23/1	23/	23-1		23-1	23.1	Ave.: 23-1							
рН	- 1	7,69 7.70	Ave.: 7.70		7,70	7/11	7/71	A CONTRACT OF STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET,	7,11	1771	Ave.: 7.71							
Salinity (ppt)	- 1	24,3 24,3	3 Ave.: 24,3		24,6	24.6	1ve.:	A CONTRACTOR OF THE PROPERTY O	24/7	24/7	Ave.: 24/7	1,5 00						
D.O. (mg/L)	- 1	6,11 6,08	Ave.: 6-10	5.0 4.2	6,04	6.02	4ve.: 6.03	5.0 4.2	5,95	5,91	Ave.: 5,93	4.7 2.0	1					
D.O.S. (%)	- 1	81,3 80,0	(Ave.: 811		7.08	180,4	1ve.: 70,6		80-1	79.6	Ave.: 79,9			(27.5 and	1 120% of CS4	47.07	and 130% of C	S4
Turbidity (NTC	U) :	7,22 7,1			8.95	8.91	^{4ve.:} 8,93		12.3	12,3	Ave.: 12,3		9.48 1	/	1 120% of CS4	7/5	and 130% of C	47.0
S.S. (mg/L)	:	*	Ave.:			<u>l</u>	4ve.:				Ave.:	1 2 2 2 2 2						
Station: <u>CS</u>	S4(U _I	stream Control S	tation)_	Duration:	1349 t	0 14=07		Depth of Water	(meter):	22,	}	Wet bulb calib				_mg/L (
			SURFACE			, i	MIDDLE				BOTTOM		I	DEPTH AVE	ERAGE		RE	MARK
Depth (meter)		:	1-0				11.2				21.4	T 4						
Temp. (°C)		23,0	23.0		23.4	0 2	3,0	Ave.: 23.0	23	1	23-1	Ave.: 23.1						
pН		7.66	7.67	Ave.: 7.6	7 760	9 74	(8	Ave.: 7.69	7.68		7.67	Ave.:						
Salinity (ppt)		24,3	24,3	Ave.: 24	3 24,5	5 2	55	Ave.: 24,5	24,	1	24.7	Ave.: 24,7						
D.O. (mg/L)		1 6/14	6.17	Ave.: 6/1	6 6.10	6,	07	Ave.: 6,09	5,9	~	5.94	Ave.: 5,96					120%	130%
D.O.S. (%)		1 81.7	82.1	Ave.: 81.		- 18	r.c	Ave.: 30.9	80,	5	80.0	Ave.: 80,3						
Turbidity (NT	Ū)	8-59	8,55		57 10/7	5 1	7.5	Ave.: 10.75	12.	15	12.5	Ave.: 12.5		10-5			12-6	13.7
S.S. (mg/L)		: '		Ave.:				Ave.:				Ave	<u> </u>					
,		coloration of wat																
Any notable	e pol	utant by others	near monitori	ng site ? Y / 🛛	$\widehat{\mathbb{Y}}$ If yes, ela	boration is	as follows	•										
Field O	perat	or Mb	Jai Wa		Checked by		1 de l	g		Laborate	ry Staff				Checked by	y		
Da		VIONE	22/11/13	1	Date		22/1	1/12		Da	te				Date			



tation: <u>CS6 (Up</u>	ostrear	n Control Static	on) I							l Wave / Great Wa	_		Direction of wate		
				Duration: :	4 to 1	·	Depth of Water	(meter): 13	2	Wet bulb calib	ration for DO mete	r: <u>8.40</u>	mg/L (<u>99</u> ,	<u> </u>	<u> 24.6</u> '
	:		SURFACE			MIDDLE			ВОТТОМ		DEPTH A	VERAGE		REMARK	
	<u> </u>		1.0	.		6,6			1917						
emp. (°C)		32.8C	7,cc	Ave.:	22.9	22.9	Ave.:	22.9	<u> 23.0</u>	Ave.:					
Н	-	7.72	17.7	Ave.:	230	17.71	Ave.:	2,7,2	7,73	Ave.:					
alinity (ppt)	:	23.9	240	Ave.:	24.6	245	Ave.:	24.8	24.8	Ave.:					
0.0. (mg/L)	:	6.11	6.14	Ave.:	6,04	601	Ave.:	6,05	6.07	Ave.:					
).O.S. (%)		513	82,1	Ave.:	81.1	503	Ave.: 80.9	81,2	81.5	Ave.:			1209	%	130%
urbidity (NTU)	:	2.76	2,65	Ave.:	2,54	2,51	Ave.:	2,45		Ave.:					2 2 3
.S. (mg/L)	:			Ave.:	2,34	712/	2.53 Ave.:		2.47	2.45 Ave.:	2.5	b	3.08	>	3.33
tation: <u>SRI</u>	10a (F	CZ)	Duration:_	11:38	to(1:56		pth of Water (me	ter): 144		Wet bulb calibro	ation for DO meter:	8.41	mg/L (99.	_%)(_	24.6
		SURFACE	(S)	Action Limit √/A/L	MIDI	DLE (M)	Action Limit √/A/L	BOTTO	РМ (B)	Action Limit √/A/L	DEPTH √/A/L	ACTION		LIMIT	REMAR
epth (meter)		1,0			7,	D		13,1	<i>t</i>		AVE. V/A/L				
етр. (°С)	23	d.56 T.(Ave.: うる、て		2).B 2)	2.9 22.9		23.0 22.5	Ave.:						
Н :	7.	מהיד וו	Ave.:		דוד בדוד	,		7,73 7,74	Ave.:						
alinity (ppt)	يار ا	1	Ave.:		24,7 24	Ave.:		24.8 24.5	Ave .						
).O. (mg/L)	6.		Ave.: 6,25	5.0 5.0	1	03 Ave.:	5.0 5.0	6.04 5.99	Ave .	4.7 2.0					
).O.S. (%)	:	5.5 Bas	Ave.:		81.5 B	Ave.:		813 80	Ave.:						
urbidity (NTU)	:	62 2.88	Ave.:			Ave.:		2,27 2,31	Ave.:		27.50	and 120% of CS6	47.0 and 13	30% of CS6	
.S. (mg/L) :	:	72 7.80	Ave.:		211 0	Ave.:		2,2 ().5)	Ave.:		23.5	and 120% of CS6	34.4 and 13		1
tation:	SR8		Duration:	12::02:	to12:20		epth of Water (me	eter): 5.8		Wet bulb calibi	ration for DO mete	r: <u>5.39</u>	_mg/L (99	.6 %)(24.7
		SURFACE	(S)	Action Limit √/A/I	. MIDI	DLE (M)	Action Limit V/A/L	BOTTO	OM (B)	Action Limit √/A/L	DEPTH ///	ACTION		LIMIT	REMAR
epth (meter)		liO						4.8)		AVE. V/A/L				
emp. (°C) :	:	.S 223	Ave.:					228 225	Ave.:						
H :	:	15 7.74	Ave.:			$\overline{\chi}$		7,74 7,74	Ave.:						
alinity (ppt)	: 34	7 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Ave.:			Ave.:		345 24.	Ave:						
O. (mg/L)	: 6,4	01 6:04	Ave.: 6.03	5.0 4.2		Ave.:	5.0 4.2	5.99 5.96	400	4.7 2.0					
.O.S. (%)	. 6		Ave.:			Ave.:		80.1 79.	Ave.:						
urbidity (NTU)		18 3.21	Ave.:			Ave.:		3.24 3.30	Ave.:			and 120% of CS6	47.0 and 1.	30% of CS0 47.0	
S.S. (mg/L) :	: '	115 271	3, 20 Ave.:			Ave.:		3.2T 5.5C	2 3.57 Ave.:		3.23 V	and 120% of CS6	34.4 and 13		2

Tuen Mun – Chek Lap Kok Link – **Northern**Impact Water Quality Monitoring - Data Record Sheet (**Flood Condition**)



Station:		SR9		Duration:	10:25	to): <u>43</u>	Depth o	of Water (me	ter):	5.6	Wet bulb cal	ibration for	DO meter	: _ 8.39	_mg/L (79.4 9	%) (00
			SURFACE	(S)	Action Limit √/A/L		MIDDLE (M)	Action	n Limit √/A/L		BOTTOM (B)	Action Limit √/.	4/L DEPTH		ACTION		LIMIT		REMARK
Depth (meter)	ļ:										4.6		AVE.	/A/L					
Temp. (°C)	<u> </u>	<u> ೨೩.೪</u>	22.5	Ave.:						225	23.0 Ave.:								
pН	;	7.72	7,71	Ave.:						7.73	7:12 Ave.:								
Salinity (ppt)	:	34.8	24.7	Ave.: 248			Ave.			248	Ave.:								
D.O. (mg/L)		6.15	6,12	Ave.:	5.0 4.2		Ave.	5.0	4.2	6.10	6.0B Ave.:	9 4.7 2.0							
D.O.S. (%)	.:	િદલ	823	Ave.:			Ave.			819	Blub Bi								
Turbidity (NTU)		2.50	254	Ave.:			Ave.	:		3.46	Ave.: 3 5) 3 4	662 A S. C.	3.01	27.5 a	nd 120% of CS6	17.0 an	d 130% of CS6	47.0	
S.S. (mg/L)	:			Ave.;			Ave.	: '			Ave.:			23.5 a	nd 120% of CS6		d 130% of CS6	3.40	
Station:		IS15		Duration	: 12:48	to	3:06	Depth o	of Water (me	ter):	11.8	Wet bulb car	ibration for	DO meter	: 8.41	_mg/L (99.6	%) ()	4.7 %
***************************************			SURFACE	(S)	Action Limit \(\sqrt{A/L} \)		MIDDLE (M)	Action	n Limit √/A/L		ВОТТОМ (В)	Action Limit 1/2			ACTION		LIMIT	T	REMARK
Depth (meter)	:		10				5.9				10,8		AVE. V	/A/L					
Temp. (°C)	:	22 ९	ന.ട	Ave.:		22,9	23.0	03.0		23.1)3.1 Ave.:	1							
pН	1	7.73	7,74	Ave.:		7,75		7,75		7,75	7.7.6 Ave.:								·····
Salinity (ppt)		24.2	24.1	Ave.:		245	Ave.			うちょつ	25.0 Ave.: 25			i anger er					
D.O. (mg/L)	1	6.11	6.14	Ave.:	5.0 4.2	592	15.88 Ave.	: 5.0 596	4.2	5,98	595 Ave.:	4.7 2.0 V							
D.O.S. (%)]	82.1	82.5	Ave.:		79.7	79.2 Ave.	: 79.5		Bob	80.1 Ave.:	4							
Turbidity (NTU)	1	272	2.69	Ave.:		239).47 Ave.	: 2,43		3.52	Ave.: 3.5	4	28,5	/		7.5.	nd 130% of CS6	47.0	
S.S. (mg/L)				Ave.:			Ave.				Ave.:			23.5 a	nd 120% of CS6	34.4 an	d 130% of CS6		
Station:		IS13		Duration	: 13:12	to	3:30	Depth o	of Water (me	ter):	11,2	Wet bulb ca	libration for	DO meter	: 8,4)	_mg/L (99.8	%)(4.b°
	T		SURFACE	(S)	Action Limit √/A/L		MIDDLE (M)	Actio	n Limit √/A/L		BOTTOM (B)	Action Limit √	A/L DEPTH	// / /	ACTION		LIMIT		REMARK
Depth (meter)	:		1,0				5.6				(0.5		AVE.	//A/L					
Temp. (°C)	:	22.9	23.0	Ave.:		53.1		∋ 3.1		23.0	33,1 Ave.:								
pН	:	7.77	7.76	Ave.:		7.76		רהד		7.78	7,79 Ave.:	2		4					
Salinity (ppt)	;	24,2	24,3	Ave.: >4.2		25.O	24.5 Ave			25,0	25.\ Ave.:								
D.O. (mg/L)	:	6.15	6,12	Ave.:	5.0 4.2	5.96	593 Ave		4.2	6.03	599 Ave.:	4.7 2.0							
D.O.S. (%)	ŀ	82.3	819	Ave.:		ზიკ	79.9 Ave			81,2	Bob Bo	\$485844455481* *							
Turbidity (NTU))	3.74	3,80	Ave.: 3,77		2.25	2,32 Ave		Name &	3,44	347 Ave.:		317	\angle \bot	and 120% of CS6	7.5	nd 130% of CS	47.0	
S.S. (mg/L)	:			Ave.:			Ave				Ave.:			23.5 0	and 120% of CS6	34.4 ar	nd 130% of CS6		-



Station:	<u>IS12</u>	?	Duration:	13:36	to 13:54	-	Depth of Water (me	ter): 15.2		Wet bulb calibration for DO me	eter: 8,40 i	mg/L (99.5	%)()47 °C)
		SURFACE	(S)	Action Limit √/A/	L MIDE	OLE (M)	Action Limit √/A/L	BOTT	OM (B)	Action Limit V/A/L DEPTH	ACTION	LIMIT	REMARK
Depth (meter)	:	1.0			7,1).		14.0	<u> </u>	AVE. V/A/L			
Temp. (°C)	: 52	9.50	Ave.:		22.9 D).	8 229		22.9 23.0	Ave.:				
pН	: 7,	08,5 16	Ave.:		ר,ד פר,ד	1		7.81 7.87	Ave.:				
Salinity (ppt)	: 		Ave.:		24.6 24	Ave.:		24.6 24.7	Ave.:				
D.O. (mg/L)	:	25 624	Ave.: 6,25	5.0 4.2	6.10 6.0	A110 ·	5.0 4.2	6.09 6.12	Ave.:	4.7 2.0			
D.O.S. (%)		3.4 83.2	Ave.: 83,3		81.7 81			815 815	4110 :				
Turbidity (NTU)	:	16 2.81	Ave.:		3,21 3,1	Ave.:		3.49 35	Ave.:	316 / 27	.5 and 120% of CS6	47.0 and 130% of C.	50 47.0
S.S. (mg/L)	: -		Ave.:			Ave.:			Ave.:		.5 and 120% of CS6	34.4 and 130% of CS	
Station:	<u>IS1</u> -	1	Duration:	14:01	to 14:20	- 2	Depth of Water (me	ter): 17.4		Wet bulb calibration for DO me	eter: 339	mg/L (99,6	%)(°C)
		SURFACE	: (S)	Action Limit √/A	L MIDE	DLE (M)	Action Limit √/A/L	BOTT	OM (B)	Action Limit $\sqrt{A/L}$ DEPTH $\sqrt{A/L}$	ACTION	LIMIT	REMARK
Depth (meter)	:	1.0			8	٦ .		1by	1	AVE. √/A/L			
Temp. (°C)	:	1.6 22.7	Ave.:			8 229		22.9 23.0	Ave.:				
pН	.	83 7.81	Ave.:			31 7,81		1,79 7.8	Ave:	2.02. AND SECTION S			
Salinity (ppt)	,	4,3 24,3	Ave.: 34.3		74,4 24	400.		24,6 34,6	Ave.:				
D.O. (mg/L)		3> 6.24	Ave.: 6.23	5.0 4.2		Ave.: 6,13	50 42	6,06 6,0	Ave.:	4.7 2.0			
D.O.S. (%)		30 830	Ave.:			Ave.:	\$48.310.00 Besta.	813 80	Ave.:				
Turbidity (NTU)	: 2,		Ave.: 2,38			Ave.:		2.72 2.6	Ava :	275 V 27	.5 and 120% of CS6	47.0 and 130% of C	50 47.0
S.S. (mg/L)	:	3,2,2	Ave.:			Ave.:		2.32	Ave.:		.5 and 120% of CS6	34.4 and 130% of C.	
Station:	CS4		Duration:	14:26	to 14:44		Depth of Water (met	er):		Wet bulb calibration for DO met	er: <u>8.41 </u>	g/L (99.5	%) (°C)
		·····	SURFACE			MIDDLE			ВОТТОМ	DEPT	H AVERAGE	RE.	MARK
Depth (meter)	:		10			11.6			5373			ŝ	
Temp. (°C)	1:	EG	27.6	Ave.:	23.8	519	Ave.:	23,0	23.0	Ave.:			
pН	:	7,80	7,80	Ave.: 7,60	7.82	18,5	Ave.: 7.82	(8,5	18,5	Ave.:			
Salinity (ppt)	:	24,2	24.3	Ave.:	24,3	24,4	Ave.: >4,4	24.6	2AG	Ave.: >4,6			
D.O. (mg/L)	7 : 1	6.25	6,2)	Ave.: 6.24	6.18	6,16	Ave.:	6,04	6,08	Ave.: biob			
D.O.S. (%)	1:1	83.7	833	Ave.: 83.5		82.3	Ave.:	81.p	81.5	Ave.:			
Turbidity (NTU)	:	3.04	3.5%	Ave.:	2,49	250	Ave.:	چ ۲.۷	97,5	Ave.:	75.6		
S.S. (mg/L)]:			Ave.:			Ave.:			Ave.:			
Any notable d		•			is as follows: _ If yes, elaborati	ion is as follo	ws:						
Field Oper	ator	Jacku	Chouna	, (Checked by	(de	la	Labore	atory Staff		Checked by		
Date			11, 201		Date	25	14/12		Date		Date		



	_ 1	511-2013		Tio			, ,))								
Sampling Date:		>11.201)								aall Wave Great Wo				ter current: Fro n	
Station:	<u>C:</u>	56	Duration:_	19:41	to 19:0	Dep	oth of Water (met	er): \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\)	Wet bulb calibrati	ion for DO meter	r: <u>5.39</u>	_mg/L (96	1.5_%)(_	24.6 °C)
			SURFACE			MIDDLE			ВОТТОМ		DEPTH	H AVERAGE		REMARK	
Depth (meter)	:		1,0			6.5			12.0						
Temp. (°C)	:	22.7	228	Ave.: 22.8	224	22.8	Ave.: 22.9	23.0	23.1	Ave.: 23.1					
pН	<u> </u> :	7.74	7.79	Ave.: 7.77	7,74	7.76	Ave.: 7.75	7.69	7.68	Ave.: 7.69			*		
Salinity (ppt)	7	23.9	23.4	Ave.: 23,4	24,6	24.5	Ave. 24.0	24.8	24.9	Ave.: 24.9					
D.O. (mg/L)	1	6.02	6.04	Ave.: 6.03	5.94	5.96	Ave.: 5.95	6.00	5.98	Ave.: 5.99					
D.O.S. (%)	:	80.5	80.7	Ave.: 80 . 6	79.8	80.0	Ave. 79.9	80.6	£0:4	Ave.:805					
Turbidity (NTU)	:	2.84	282	Ave.: 233	2,55	2.57	Ave.: 256	2,50	2.52	Ave.: 2.51	2,	63			
S.S. (mg/L)	1			Ave.:			Ave.:			Ave.:					
Station:	SR10)a (FCZ)	Duration:	19:19	to 191	37 D	epth of Water (me	eter): 14,	1	Wet bulb calibr	ration for DO me	eter: 8.42	mg/L (19.8 %)(24,6 0
	T	SURFACE	E (S)	Action Limit √/A/L	MIC	ODLE (M)	Action Limit √/A/L	ВОТТО	OM (B)	Action Limit √/A/L	DEPTH √/A/L	ACTION.		LIMIT	REMARK
Depth (meter)	;	1,	0		4	7.1		13			AVE. V/A/L				
Temp. (°C)	:	22-8 228	Ave 22.8		22.9 2	3.0 23.0		23.1 23.0	0 Ave.: 23,1						
pН	:	7.64 7.66	Ave.: 7.65		7,69	7.71 7.70		7.76 7.76							
Salinity (ppt)	:	24.0 24.1	Ave.:2411		24.6 2	4.6 Ave. 24.6		24,9 24.8	Ave.: 24.4						
D.O. (mg/L)		6.21 6.22	Ave 3,22	5.0 5.0		99 Ave.: 6.00	5.0 5.0	5.84 5.8	6 Ave.:5.85	4.7 2.0					
D.O.S. (%)	:	83.0 83.2	Ave.: 83.			0.4 Ave. f0.6		78.5 78.	8 Ave.: 78.						
Turbidity (NTU)		291293			7 22 2	1.24 Ave. 2.23		2,30 23	2 Ave.: 2.3°)	449	.5 and 120% of CS-		1130% of CS4 47.	0
S.S. (mg/L)	:		Ave.:		~ .	Ave.:			Ave.:		23.	.5 and 120% of CS	4 34.4 and	130% of CS4	
Station:	S	R8	Duration:	18156	0 19:1	14 Dep	oth of Water (met	er): 55		Wet bulb calibra	tion for DO mete	er: 8.40	_mg/L (4.7 %)(_	24.7 °C
		SURFAC	E (S)	Action Limit √/A/L	MIL	ODLE (M)	Action Limit √/A/L	BOTTO	OM (B)	Action Limit √/A/L	DEPTH VAL	ACTION		LIMIT	REMARK
Depth (meter)	-	i,	O					4.1			AVE. V/A/L				
Temp. (°C)	:	22.9 22.8	Ave.: 21-4					23.0 224	9 Ave.: 23, C						
pН	:	7,69 7,71	Ave.:7.70					7.75 7.70	P Ave.: 7,77						
Salinity (ppt)	÷	24.8 24.7	Ave.: 24.8		/	Ave.:		249 249	1 Ave.: 24.9	/					
D.O. (mg/L)	:	5.92 5.94		5.0 4.2		Ave.:	5.0 4.2	5.87 5.8		4.7 2.0					
D.O.S. (%)	÷	79,1 79.3				Ave.:		18.4 78.	2 Ave.: 78-	3					
Turbidity (NTU)	:	3,24 3,26	4			Ave.:			4 Ave.: 3.33		3.29 1 27	.5 and 120% of CS	21.7	1 130% of CS4 +1.	0
S.S. (mg/L)	:	- 1) = 9	Ave.:			Ave.:		/ /	Ave.:		23	.5 and 120% of CS	4 34.4 and	1 130% of CS4	



Station:	Sı	R9	Duration:	18:33 t	0 18:51	_ Dep	oth of Water (mete	er): 5,4		Wet bulb calibrat	ion for DÖ m	eter: <u></u>	mg/L (99	5_%)(_	24.7 °C)
			SURFACE (S)	Action Limit √/A/L	MIDDLE (A	1)	Action Limit $\sqrt{A/L}$	BOTTOM	(B)	Action Limit √/A/L	DEPTH 2//A/T	ACTION		LIMIT	REMARK
Depth (meter)			, 0					4,4		supplied and a second record that which wanted	AVE. VIAIL				
Temp. (°C)	;	55.8	22.8 Ave. 22.8						Ave.: 22.9						
pН	:	7.69	7.67 Ave.: 7.68					7.74 7.76	Ave.: 7.75						
Salinity (ppt)	:	24.7	24.8 Ave.: 24.1			Ave.:		249 248	Ave.: 24.9						
D.O. (mg/L)	:	6.04	6.02 Ave.: 6 0	, 5.0 4.2		Ave.:	5.0 4.2	5.94 5.92	Ave.: 5.43	4.7 2.0					
D.O.S. (%)	:	81.1	80-8 Ave. 81.0			Ave.:			Ave.: 79.7						
Turbidity (NTU)	:),56	258 Ave.:25			Ave.:		3,54 3,56	Ave.:3,55		3.06 1	27.5 and 120% of CS4		30% of CS4 47.	.0
S.S. (mg/L)	:		Ave.:			Ave.:		,	Ave.:			23.5 and 120% of CS4	34.4 and 1.	30% of CS4	
Station:		IS15	Duration	: 1840	10/18:28	De,	pth of Water (met	er): 11.6		Wet bulb calibrat	tion for DO n	neter: 8142	mg/L (99	6 %)(24.7 °C)
			SURFACE (S)	Action Limit √/A/L	MIDDLE (I	M)	Action Limit √/A/L	BOTTOM	(B)	Action Limit √/A/L	DEPTH NAME	ACTION		LIMIT	REMARK
Depth (meter)	:		۵ , ر		5.8			10,			AVE. VIAIL				
Temp. (°C)	:	22.8	22-9 Ave.: 22-9		23.0 22.4	23.0			Ave.: 23,1						
pН	:	7.71	7,73 Ave.: 7.7		7.78 7.80	7.79			Ave.: 7.75						
Salinity (ppt)	:	24,2	24.1 Ave. 24.		24.9 24.9	Ave. 24.9			Ave.: 25.0						
D.O. (mg/L)	:	6.06	6.08 Ave.: 6.0	7 5.0 4.2	5,84 5,86	Averin 85		5.91 5.93	Ave.: 5.42	4.7 2.0					
D.O.S. (%)	:	814	£1,7 Ave.: 81,1	,	787 789	Ave.: 78 }			Ave.:79.8						
Turbidity (NTU)	:	2,75	2.77 Ave.: 2.71	>	2.64 2.66	Ave.: 2.65		3,57 3,58	Ave.3.58		3.00 /			30% of CS4 +7	0,0
S.S. (mg/L)	:		Ave.:			Ave.:			Ave.:			23.5 and 120% of CS4	34.4 and 1	30% of CS4	
Station:	<u>I:</u>	S13	Duratio	n:17:47	to 18:05	<i>D</i>	epth of Water (m	eter): (l .	<u> </u>	Wet bulb calibr	ation for DO	meter: <u>8144</u>	_mg/L (_ G	9.4 %)	(24,6 °C,
			SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit √/A/L	BOTTOM	((B)	Action Limit $\sqrt{A/L}$	DEPTH √/A/L	ACTION		LIMIT	REMARK
Depth (meter)	:		1.0		5.5	.		[0,			AVE.				
Temp. (°C)	:	22.9		1	23,0 22-9	23.0			Ave.: 23,1						
pН	:	7.75	7,77 Ave.: 7.7	<u>></u>	7.74 7.72	7.73			Ave.: 7,82						
Salinity (ppt)	:	24-1	24.1 Ave. 24.		248 24.9	Ave. 24.9		25,1 25.0	Ave.: 25,0						
D.O. (mg/L)	:	6,11	6.99 Ave.: 610	5.0 4.2	5.87 589	Ave.: 5.88	5.0 4.2	592 5.90	Ave.: 5.91	4.7 2.0					
D.O.S. (%)	:	82.1	81.8 Ave.: 82		79.1 79.3	Ave.: 79.	2		Ave.: 79,7			25 5 11000 200		2004 - CCD	
Turbidity (NTU)	:	3,82	3.81 Ave.:3.8		235 237	Ave.:).36		3.52 3,54			3.24	27.5 and 120% of CS4			7.0
S.S. (mg/L)	:		Ave.:			Ave.:			Ave.:			23.5 and 120% of CS4	34.4 and 1	30% of CS4	



		~			17:24	. 1	7:42		.1 (117 . / .		15.0		Wet bulb calibra	# f DO	P4.)/7	94.10	9/1/	24.7 °C)
Station:		S12			Action Limit v		MIDDLE		th of Water (mete Action Limit √/A/L	٠٠/٠	ВОТТОМ	(B)	Action Limit \(\sqrt{A/L}\)		ACTION		LIMIT	70) (REMARK
Depth (meter)	:		URFACE		Action Limit V	/AVL	7.5		Action Limit V/A/L		14,0		Action Elmit VAL	$ \begin{array}{c c} DEPTH \\ AVE. \hline $	ACHON				Tasminut
Temp. (°C)	:	72,7		Ave.: 22.8		22.9		22.9		23.0	22.9	Ave.: 23,0							
pH	-			Ave.:7.15		7.8)	7.84	7.83			7.88	Ave.: 7.87							
Salinity (ppt)	:			Ave.: 24, 2		24,5	24,4	Avez 4.5				Ave.: 24.7							
D.O. (mg/L)	:	6:17		Ave.: 6.18	5.0 4.2	V 6.04			5.0 4.2			Ave.: 6.01	4.7 2.0						
D.O.S. (%)	:	82.3	82.6	Ave.: 82.5		80.8		Ave.: \$0.9		80.5	80.7	Ave.: 106							
Turbidity (NTU)	:	5.79		Ave.: 280		3,24	3.) 6			\$56	3.68	Ave.: 3.57		3.21	27.5 and 120% of 0	10(1)	17.0 and 130% of C		
S.S. (mg/L)	:			Ave.:				Ave.:			<i>J</i>	Ave.:			23.5 and 120% of (CS4 3	4.4 and 130% of CS	14	
Station:		S14		Duration:	17:01	to	17119	Dep	th of Water (met	er):	7.1		Wet bulb calibro	ution for DO n	neter: <u>9,4</u>	O_mg/L	(99,7	%) (2	<u>4.6 °C)</u>
		S	SURFACE	(S)	Action Limit v	//A/L	MIDDLE	(M)	Action Limit √/A/L	1	BOTTOM	(B)	Action Limit √/A/L	DEL TIL A//A/T	ACTION	<i>'</i>	LIMIT		REMARK
Depth (meter)	:		11,0)			8,1	,			16.			AVE. VIAIL					
Temp. (°C)		22.7		Ave.: 22.7		22.8	22.9	22.9				Ave.: 23,1							
pН	:	7.77	7.79	Ave.:7.78		7.82	7,80			7.83	7.85	Ave.: 7 84							
Salinity (ppt)	:	24.3	24.2	Ave.:24.3		24.4			وببرسيس براه مستحد المستسب		24,6	Ave.: 24,0							
D.O. (mg/L)	:	6.15	6.17	Ave.: 6.16	5.0 4.2	1 6.0			5.0 4.2	599	6.01	Ave.: 6:00							
D.O.S. (%)	:	82.0	82.2	Ave.: 82.1		81,2		Ave.: 81,4				Ave.: 805			27.5 and 120% of	794	47.0 and 130% of C	54	
Turbidity (NTU)	:	2-44	2,46	Ave.: 2.45		2.62	2.64			2.82	2 80	Ave.: 2.X)		2-63 🗸	23.5 and 120% of 0		34.4 and 130% of C	47.0	
S.S. (mg/L)	:			Ave.:			<u></u>	Ave.:				Ave.:			25.5 and 12070 of				<u></u>
Station: <u>CS4</u>	(Up.	stream Cor	ıtrol Stati	ion)	Duration:	16:38	to 6	56	Depth of Water	(meter):_	23,	0	Wet bulb calib	ration for DO) meter: <u>8.43</u>	mg/s	L (94,6	_%) (24.7 °C
	Ī			SURFACE				MIDDLE				ВОТТОМ		DE	PTH AVERAGE	and the state of the	RE	MARK	
Depth (meter)		:		1,0				11.5				22.0							
Temp. (°C)		: 22.	Ŷ	22,7	Ave.: 22		.9	22.9	Ave. 22.9	23,0		22.9	Ave.: 23,0						
pН		: 7.	78	7.80	Ave.: 7.			7.74	Ave.: 7,75	7.8		<u> 7.84 </u>	Ave.: 7.83						
Salinity (ppt)		: 24,		243	Ave.: 24.	3 20		24.4	Ave.: 24.5	74.		24,6	Ave.: 24.7						
D.O. (mg/L)		: 6.	19	6,20			14	6.12	Ave.: 6:13	5,9		5.95	Ave.: 5.96				120%		130%
D.O.S. (%)		. 85	-6	£2.7	Ave.:		2,2	81.9	Ave.: §2.1	80,		79.8	Ave.: 80.0				-		
Turbidity (NTU)	┙	<u>: 3, </u>	11	3,13	Ave.: 31	12 2	52	2,54	Ave.: 2.53	2.8	0	281	Ave.: 2.81	2	182		3.38		3,66
S.S. (mg/L)		:			Ave.:				Ave.:	<u></u>	<u> </u>		11vc						
Any notable																			
Any notable	oollu	utant by o	thers nea	ar monitorin	g site ? X/1	V If yes, el	aboration	is as follows	s:										
Field Ope	rato	or T.		hung Ho	ma	Checked b	v	(de	100	L	aborato	ry Staff			Check	ed by			
Date			W - C	1) -2	7	Date		251	11/12		Da	te			Da	te			

Tide Mode: Flood Tide Direction of water current: From CS6 to CS4 Duration: 13-20 to (3-37 13.4 Wet bulb calibration for DO meter: 8 4 mg/L (Station: CS6 (Upstream Control Station) Depth of Water (meter). SURFACE **BOTTOM** REMARK MIDDLE Depth (meter) 12-4 10 Ave.: 72-8 Ave.: 22.9 Temp. (°C) 72.9 22.9 24.9 22.9 21.9 22.9 7.8-8 Ave.: 7,66 рΗ Ave.: 7:69 7.64 7.6 7.70 7-68 7.69 7.70 7-70 Ave.: >4.9 Salinity (ppt) 74.6 246 24.9 24.9 24.0 24.0 24,5 74-0 Ave.: 6.00 Ave.: 6(25 D.O. (mg/L) 6-10 5.98 6,23 6-08 10,0 607 Ave.: 80-3 120% 130% Ave.: 83.7 Ave.: 81-7 D.O.S. (%) 80-1 24.0 81.4 91.9 80.5 Ave.: 2.98 Turbidity (NTU) 290 3,07 3,23 2,9-3,98 4.20 Ave.: S.S. (mg/L) Ave.: 84-3 °C 8.48 mg/L(79.3%)(13210 14.4 Wet bulb calibration for DO meter: Depth of Water (meter): Duration: SR10a (FCZ) Station: Action Limit V/A/L DEPTH REMARK MIDDLE (M) BOTTOM (B) ACTION LIMIT SURFACE (S) Action Limit √/A/I AVE. 13.4 Depth (meter) 712 ৈ Ave.: 27.6 Ave.: 22.7 727 22.8 22.8 Temp. (°C) 22.7 22.7 7.65 Ave. 7.65 7.67 7.61 7-67 Ave.: 343 Ave.: 24.9 Ave.: 74.6 24.9 24.L 246 24.8 Salinity (ppt) 5.0 | 5.0 5.94 Ave. 3.93 1,32 D.O. (mg/L) Ave. 83. 4 Aven 905 7912 79.6 9,2.2 D.O.S. (%) Ave.: 3.5? Ave. 3 94 47.0 and 130% of CS 3,22 3.67 3.62 3.65 Turbidity (NTU) 23.5 and 120% of CS 34.4 and 130% of CSC Ave.: Ave.: S.S. (mg/L) 99.8 %1 24.8°C) 1-2 14200 324 T to Wet bulb calibration for DO meter: Depth of Water (meter): Duration: Station: BOTTOM (B) REMARK Action Limit √/A/L MIDDLE (M) Action Limit √/A/L Action Limit √/A/L SURFACE (S) DEPTH $\sqrt{A/L}$ AVE. 4.7 Depth (meter) " O Ave.: Ave.: 228 22.8 Temp. (°C) 21.8 22.0 22.7 Ave.: 7-73 Ave.: 7-71 フーフンフィフィ 7.70 7-7 (Ave.: 224.7 Ave.: 74.8 Ave. 24.8 24.7 24.7 Salinity (ppt) 600 Ave. 16,00 Ave.: 5.0 4.2 1-97 D.O. (mg/L) Ave.: 80-3 Ave.: 80.0 20.6 82.7 D.O.S. (%) 4,25 4,79 Ave. 4.52 Ave.: 4.04 Turbidity (NTU) 78 23.5 and 120% of CS6 34.4 and 130% of CSG Ave.: S.S. (mg/L)



Station:		SR9		Duration:	14207	to\	4223	_ De	pth of Water (me	eter):	3-6	Wet bul	b calibrai	ion for DC) meter: _	8:42 n	ng/L (79.7 %)(24,2°C)
		SU	IRFACE (S,	ij	Action Limit √/A	4/L	MIDDLE (M)		Action Limit √/A/L		ВОТТОМ (В)	Action Lin		EPTH √/A/I		ACTION		LIMIT	REMARK
Depth (meter)	:		()					/			4.6			AVE.				10	
Temp. (°C)	:	219	22.9 A	Ive.: VY						22.8	219 Ave.: 225	16							
pН	:	7.70 -	771	1ve.: 771			/			7.13	7-74 Ave. 7.7	+							
Salinity (ppt)	:	348 3	74.9 A	Ave.: He.G			A	ve.:		24.9	249 Ave.:								
D.O. (mg/L)	:	6,21 6	19	4ve.:6 20	5.0 4.2	/		ve.:	5.0 4.2	8852	1-92 Ave. 1-90	4.7 2.0	' v						
D.O.S. (%)	-	\sim $^{\circ}$	82.9 1	4ve.:83-(<i>X</i>	ve.:		78.8	79-3 Ave.: 79,						44		
Turbidity (NTU)	:	4.11 3	.95	4ve. 4,03				ve.:		3.99	3.81 Ave. 3.91			3,97 1		20% of CS6 27	1-5		7.0
S.S. (mg/L)	:			4ve.:			A	ve.:			Ave.:				23.5 and 1	20% of CS6	34.4 and	130% of CS6	
Station:	j	IS15		Duration:	1428	to	4245	_ De	epth of Water (me	eter):	(1.6	Wet but	b calibra	tion for DC) meter: _	8.44,	mg/L (99.7 %)	74,2°C)
		SU	RFACE (S	S)	Action Limit √/	A/L	MIDDLE (M)		Action Limit √/A/L	,	BOTTOM (B)	Action Lin	<i>L</i>	EPTH √/A/	1	ACTION		LIMIT	REMARK
Depth (meter)	:	**************************************	<i>ι</i> 0				8.1				10-6	270		AVE.					
Temp. (°C)	÷	72.8	22-9	Ave.: 49	April 2001	22.8	22.8	22.8		22.9	23:0 Ave.:								
pН	:	7.747	1.75	Ave.: 7.75		2-72	7.71	7.72		7.76	7-7-7	7							
Salinity (ppt)		>4.3 a	444	Ave.:		24.7		ve. 248		2500	24.9 Ave.: 35.					and the		NAME OF THE OWNER, THE	
D.O. (mg/L)	:	6.13 6	loli	Ave.: 6 (12	5.0 4.2	1593	1299 A	ve.5-91	5.0 4.2	1.87	5.80 Ave.: 1-8	4.7 2.		170					
D.O.S. (%)	-	82-1 9		Ave. 9 (-9		79.4	78.9 A	ve.: 79,2			77.7 Ave. 77.	9			/ 27.5	2004 - 66794	47.0	1300/ -6004	
Turbidity (NTU)	:	4,49	436	Ave.: 4,43	RESIDENCE OF STREET	41	1412 1	4.16		[Li	4,79 Ave.:5-0	3 3	ĵ	154 /		20% of CS6 77.	· / I	130% of CS6 4-	7.0
S.S. (mg/L)	:		2	Ave.:			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	lve.:			Ave				23.3 ana 1	20% of C30	34.4 ana		
Station:		IS13		Duration	: 1425	to	15=08	_ D	epth of Water (m	eter):	1(,4	Wet bu	b calibra	tion for D	O meter: _	74.8	mg/L (99.5%)	(<u>>4,1 °C)</u>
		SL	JRFACE ((S)	Action Limit V	/A/L	MIDDLE (M))	Action Limit V/A/L	,	BOTTOM (B)	Action Li		DEPTH √/A		ACTION		LIMIT	REMARK
Depth (meter)	:		(,0				1.7				10-4			AVE.					
Temp. (°C)	÷	219 7	W-9	Ave.: 22-9		22.9	23.6	23.0		22.9	23.0 Ave.: 23.	0							
рН	;	7.70 7	171	Ave.		7-74		7.74		7,74	7.75 Ave.: 7.75	F							
Salinity (ppt)		94.2 7	4.2	Ave.: Uf.Z		24.8		1ve.: 24-9		25,00	250 Ave.: 250	0				40,000			
D.O. (mg/L)	;	6-07	6-091	Ave.: 608	5.0 4.2	J-82	- 5-85-	1ve.if. 94	5.0 4.2	5-76	5.78 Ave. 5.7	7 4.7 2	v 🗸						
D.O.S. (%)	:	81.3		Ave.:91.5		8000	78:4	4ve.:7912	10:11	77.2	77.7 Ave.:77.				(27.5 am)	120% of CS6	47.0 cm	130% of CSd	
Turbidity (NTU)	:	5.14	1.71	Ave.: 5-18		4/72	15.05	4ve. 4,39		4.38	4,49 Ave 4.4	4		4.84 1		120% of CS6		130% of CS6	
S.S. (mg/L)]			Ave.:				4ve.:			Ave.:				23.3 una	12070 OJ C30	57.7 unu	12070 07 050	



Station:	<u>IS12</u>	Duration:ぐり	2(3 to	(132)	Depth of Water (met	er): (5-1	ł	Wet bulb calibro	ation for DO mei	er: 8,44	mg/L (99,6	%) (つ ^ኒ	t, (°C)
	SURFACE (S)) Action L	imit √/A/L	MIDDLE (M)	Action Limit $\sqrt{A/L}$	BOTTOM (E	3)	Action Limit $\sqrt{A/L}$	DEPTH _/,_/	ACTION		LIMIT	RE.	MARK
Depth (meter)	: (.0			7.7		141			AVE. VIALL		100			
Temp. (°C)	228 229 A	ve.:72.9	22.8	22.7 V2.	8 8 8 8		1ve.: 27-8							
рН	7,64 7,67 4	ve.:7.66	7.69			7.70 7.72	1ve.: 7-71							
Salinity (ppt)	74.3 74.4 A	ve.: 744	74-6	84.6 Ave.: 70		24.8	1ve.: VY.8							
D.O. (mg/L)	: 6,29 6,27 A	6:00	4.2 V Git 8	6.15 Ave. 60	· 7 5.0 4.2 V		ave.:6.05							
D.O.S. (%)	84.3 84.0 A	ve.94-2	8).8	By of Ave. By	<u>.6</u>	811 813	Ave.:81,2							
Turbidity (NTU)	1 4:74 4:38 A	ve.:4.66	4.87	4.68 AVE. 4.	78		1ve.: 5-05		4,24 V	5 and 120% of CS6	1 1	nd 130% of CS	1 '	
S.S. (mg/L)	: A1	ve.:		Ave.:			4ve.:		23	5 and 120% of CS6	34.4 ai	ad 130% of CS6		
Station:	<u>IS14</u>	Duration:	137 10_	07=17	Depth of Water (met	er):	·2_		*	ter: Sitl	_mg/L (99,7	%) (<u>7</u> 1	f. (°C)
	SURFACE (S)) Action L	imit √/A/L	MIDDLE (M)	Action Limit $\sqrt{A/L}$	BOTTOM (I	B)	Action Limit √/A/L	DEPTH √/A/L	ACTION		LIMIT	RE.	MARK
Depth (meter)	(,0			8.6		<i>i</i> 6 ·			AVE. V/A/L					
Temp. (°C)	22.9 22.9 A	ve.zug	27.8	3 22.8 22	8	21-8 21.8°	Ave.: V.B							
рН	7,69 7.67 A	ve.:-7.68	7,72			7.75 7.76	Ave.: 7-76			100				
Salinity (ppt)	1 74.4 J4.4 A	ve.: 7414 355 8	245	74.6 Ave. 2	f.6		Ave. 24.7							
D.O. (mg/L)	: 6,24 601 A	ve.:6,23 5.0	4.2 V G (2	3 6 11 Ave.: 6			Ave.: 1-98	4.7 2.0				e periodo de		
D.O.S. (%)	: 8316 8312 A		801	81.9 Ave.:8			Ave. 80. 1							
Turbidity (NTU)	: 5,03 4.87 A	ve.: 4,95	4.20		.39		Ave.: GIL		454 V	2	1-3	nd 130% of CS	4/2	
S.S. (mg/L)	: A	ve.:		Ave.:			Ave.:		23	5 and 120% of CS6	34.4 ai	nd 130% of CS	<u> </u>	
Station:	CS4 Du	ıration: <u> </u>	20} to 1	6:20	Depth of Water (mete	r): <u>23</u> 1	4	Wet bulb calibrat	ion for DO mete	r: <u>8,43</u>	mg/L (9918%	6) (<u> </u>	<u>. \ °C)</u>
		SURFACE		MIDDL	E		ВОТТОМ		DEPTH	AVERAGE		REM	IARK	
Depth (meter)	: ((0		((-	1		22.4		18.0					
Temp. (°C)	1 72.9			2-8 72-	***************************************	22-9	21.9	1 9						
pН	1: 7.72			7.8 7.8		7,79	7.80	Ave.: 7-80	26					
Salinity (ppt)	74.3			4.5 74.0		24.7	24.7	Ave.: 24.7	4.4					
D.O. (mg/L)	: 6,29	6,27 Ave.		16 611		6,02	604	Ave.: 6:03		19 4 0 (1944)		<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		
D.O.S. (%)	1 84.3	94.0 Ave.	84,2 8	dis 8di	8 Ave.: 91.7	8017	8019						·	
Turbidity (NTU)	3,74	3.49 Ave.		58 40	1 1 1 1 2 2 1	3.75	3,56	Ave.: 3.66		» 6 9				
S.S. (mg/L)	1:1	Ave.	:		Ave.:			Ave.:						
Any notable di	iscoloration of water?	Y/N If yes, elai	boration is as foli	lows:										
	ollutant by others near				lows :									
Field Oper	rator L.M.	(wen	Checked by	y		Laboratory	v Staff			Checked by	,			
Date		(12013	Date			Date				Date				



impaci vvai	er Qu	anty wormorn	ig - Dala Re	coru Sneet (L	LDD COIIC	iiuo.								
Sampling Date	.2	7-11-2	BWeather Con	dition : Aug	Ambier	nt Temperature (°c): 17	Sea Conditio	\mathcal{C}	di Wave / Great W			rection of water current:	
Station:	<u>CS</u>	6	Duration:	22:30	10 22:4	De,	oth of Water (met	er): 12	4	Wet bulb calibrat	ion for DO me	eter: <u>8,44</u> m	18/L (<u>99.6</u> %)	(24.0°c)
			SURFACE			MIDDLE			ВОТТОМ		DEI	PTH AVERAGE	REMA	RK
Depth (meter)	1		10			6.2		1	1.4					
Temp. (°C)	:	22.8	22.7	Ave.: 22-8	22.9	22.8	Ave.: 22.9	22.9	22.8	Ave.: 22-9				
рН		7.70	7.68	Ave.: 7 69	7:72	7.71	Ave.: 172	7.70	7.68	Ave.: 7,69				
Salinity (ppt)	:	24.0	24.0	Ave.: 24.0	245	244	Ave.: 24.5	248	24.8	Ave. 24.8				
D.O. (mg/L)	:	6,31	6.33	Ave.: 6.32	6.17	6.13	Ave.: 6.15	5.94	596	Ave. 5.95				
D.O.S. (%)		845	848	Ave.: 34.7	82.6	821	Ave.: 82.4	79.6	79,2	Ave.: 79, 1				
Turbidity (NTU)	:	3.04	3.06	Ave.: 305	3.54	3.69	Ave.: 3.62	3.19	3.24	Ave.: 3, 27	33	O	25/96/4	
S.S. (mg/L)	:		J. O O	Ave.:			Ave.:			Ave.:				
Station:		a (FCZ)	Duration:_	21:58	to 22:	16 D	epth of Water (m	eter): 3.	>	Wet bulb calib	ration for DO	meter: <u>8</u> ,49	mg/L (<u>99.8</u> %	6) (<u>239</u> °C)
		SURFAC	E (S)	Action Limit V/A/L	MIDD	LE (M)	Action Limit √/A/L	ВОТТС	M (B)	Action Limit √/A/L	1	ACTION	LIMIT	REMARK
Depth (meter)	:	10			6.4	<u> </u>		12-	6		AVE.			
Temp. (°C)	: .	27.4 22	7 Ave.: 22.7		227. 22	.7 22.7		228 22	3 Ave. 22.8					5
рН		7.68 7.60	Ave. 7,69		7.59 1.	60 7.60		762 76	3 Ave.: 7,62					
Salinity (ppt)	1:	2411 24	Ave.: 74.		245 2	4.6 Ave.: 246		248 24	8 Ave. U.S				Tales of	
D.O. (mg/L)	1:1	6.24 6.26	Ave.: 625	5.0 5.0	6.08 6.0	Oll Ave.: 6.DE	5.0 5.0	5.88 5.8	2 Ave.: 5.85	4.7 2.0				
D.O.S. (%)	: .	83,6 835	3 Ave.: 837		31.4 80	5 Ave.: 81.0		78.1 77	9 Ave.: 7,83					
Turhidity (NTU)	, :	3.76 3.8	0 Ave - 3. 78		389 39			3.57 36	3 Ave.: 360		3.77	27.5 and 120% of CS4 2		47.0
S.S. (mg/L)	1:		Ave.:			Ave.:			Ave.:			23.5 and 120% of CS4	34.4 and 130% of CS4	
Station:	SF	28	Duration:	21:28.	0 21:4	-3 Dej	oth of Water (met	er): 4, 4	<u> </u>	Wet bulb calibro	ation for DO n	neter: <u>8,4(</u> ,	mg/L (99 , 4 %)	(24, °C)
	TT	SURFAC		Action Limit √/A/L	MIDD	LE (M)	Action Limit √/A/L	BOTTO	 ЭМ (В)	Action Limit √/A/I	DEPTH ///	ACTION	LIMIT	REMARK
Depth (meter)		1.3)				100	3.4	*		AVE. V/A/L			
Temp. (°C)		22,7 22.	7 Ave. 22.7					22.7 22.	8 Ave.: 22. &					
рН		7.78 7.79	Ave.: 7.79					7.74 7.	10 Ave.:-7.72					
Salinity (ppt)	1:1	245 24.	40000			Ave.:		24.8 24	7 Ave: 24.8					
D.O. (mg/L)		6.20 6.2	1 4	5.0 4.2		Ave.:	5.0 4.2	6.01 60	0 Ave.: 6.0 1	4.7 2.0			Control Control of the Control of th	
D.O.S. (%)	:	830 83.	3 Ave.: 877			Ave.:		80.5 80.	4 Ave. 805					
Turbidity (NTL	7)	3.59 3.6	2 Ave 361			Ave.:		461 4	78 Ave.: 4,70		416/		75 47.0 and 130% of CS4	47.0
S.S. (mg/L)			Ave.:			Ave.:			Ave.:		3	23.5 and 120% of CS+	34.4 and 130% of CS4	
		•												



		-							
Station:	SR9 Duration:	2/206 10	21:11	Depth of Water (meter):_	5.6	Wet bulb calibration for DO m	eter: <u>8,42</u> mg/L	(99.6 %)(_	23.9 °C)
***************************************	SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit V/A/L	ВОТТОМ (В)	Action Limit V/A/L DEPTH	ACTION	LIMIT	REMARK
Depth (meter)	10		· ·		4.6	AVE.			
Temp. (°C)	228 227 Ave. 228			2)	1.8 22.9 Ave.:22.9				
рН	7.68 7.69 Ave. 7.69			7	70 7.71 Ave.7.71			MONEY OF THE STATE	
Salinity (ppt)	248 248 AVE)48		Ave.:	2 6 8 24	ti9 24.8 Ave.: 74.0				
D.O. (mg/L)	6.01 6.09 Ave. 6.05	5.0 4.2	Ave.:	5.0 4.2 50		4.7 2.0			
D.O.S. (%)	80.5 81.6 Ave. 81.1		Ave.:		7.4 79.9 Ave. 79.	1			
Turbidity (NTU)	1 4,17 4,27 Ave.: 4,2°	Z	Ave.:		09 4:20 Ave. 4.15	5 28 419 V	215	47.0 and 130% of CSA	6.
S.S. (mg/L)	Ave.:		Ave.:		Ave.:		23.5 and 120% of CS4	34.4 and 130% of CS4	
Station:	<u>IS15</u> Duration.	20:44 10	2/:00	Depth of Water (meter):	10.8	Wet bulb calibration for DO n	neter: <u>8.46</u> mg/1	L(99.8 %)(_	24.0 °C)
	SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit √/A/L	BOTTOM (B)	Action Limit V/A/L DEPTH V/A/L	ACTION	LIMIT	REMARK
Depth (meter)	10		5.4		9,8	AVE.	10.47.54 (1.15 to 1.15		
Temp. (°C)	22.7 22.6 Ave.: 22.				2.8 22.8 Ave.: 72.8				
pН	7.70 7.70 Ave. 7.10		7.76 7.75 7.	76 3 3 7	180 7.8 Ave.: 7.8				
Salinity (ppt)	24.3 24.4 Ave. 24.4		24.6 24.5 Ave.:	The property of the property o	4.9 24.8 Ave.: 24.0		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
D.O. (mg/L)	6.07 6.03 Ave.: 6.05	S 5.0 4.2 V	6.02 6.07 Ave.		83 580 Ave.: 58	4.7 2.0			
D.O.S. (%)	1 81.3 80.8 Ave.:811		806 813 Ave.:	91.0 3 3 1 7	Bi 711 Ave.: 770		127.5 d 1200/ - (CS)	47.0 and 130% of CS4 47.	
Turbidity (NTU)	753 465 Ave. 45	7		440 * 1 m 1 5		5 1 1 V	27.5 and 120% of CS4 215 23.5 and 120% of CS4	34.4 and 130% of CS4	0.0
S.S. (mg/L)	: Ave.:		Ave.:		Ave.:				-2 d
Station:	IS13 Duratio	on: 20: 24	to 20:39	Depth of Water (meter,):9.8	Wet bulb calibration for DO	meter: 8,41 mg	3/L(99,4 %)(23.9 °C)
	SURFACE (S)	Action Limit \(\sqrt{/A/L} \)	MIDDLE (M)	Action Limit √/A/L	BOTTOM (B)	Action Limit V/A/L DEPTH	ACTION	LIMIT	REMARK
Depth (meter)	0,0		4.9		8.8	AVE.			
Temp. (°C)	22.7 22.7 Ave.: 22.	78666	229 22.8 2		2,9 22.8 Ave.: 22			Barrier Commence	
рН	1 7.76 7.74 Ave.7.75		7.79 1.78 -	TO THE REPORT OF THE PROPERTY	10 7.69 Ave. 7.71				
Salinity (ppt)	24.2 24.2 Ave. 24.			The state of the s	79 24.8 Ave.: 24		1000000		
D.O. (mg/L)	6.02 6.09 Ave.: 6.0	6 5.0 4.2 \	593 5.90 Ave.	26/27 1 1 1	5.88 5.89 Ave. 5.80	4.7 2.0 \(\sqrt{2.0} \)			
D.O.S. (%)	806 816 Ave.:811		79,4 79,0 Ave.			8	27.5 and 120% of CS4	47.0 and 130% of CS4	
Turbidity (NTU)	1 1000 000		4,97 491 Ave.		1.62 450 Ave. 45	6 494 /	27.5 and 120% of CS4 21:	34.4 and 130% of CS4	7.0
S.S. (mg/L)	Ave.:		Ave.		Ave.:		25.5 4.14 12070 07 007	3,00	



														
Station:	<u> IS12</u>		Duration:	20:04 1	10 20:19	Dep	th of Water (mete	n): 14.	2	Wet bulb calibrati	on for DO meter	r: <u>8,45</u> mg	g/L (99,5 %	6) (<u>23.8</u> °C)
T		SURFACE ((S) Ac	tion Limit \(\sqrt{A/L} \)	MIDDLE	E (M)	Action Limit V/A/L	BOTTO	M (B)	1 / /	FOTU	ACTION	LIMIT	REMARK
Depth (meter)	:	1.0			7.	(13.	7		AVE. V/A/L			
Temp. (°C)	: 7.7	6 227	Ave.: 22,7		22.8 22	1 228		22.8 22:	8 Ave.: 228					
pΗ	7.	68 7.69	Ave.: 7,69		9.79 7.7	8 7.79		7.86 7.8	1 Ave.: 7.87	7				
Salinity (ppt)			Ave 24.3		244 249	5 Ave.: 245		247 24	3 Ave.: 24.8	,				
D.O. (mg/L)	6	30 608		5.0 4.2	6.00 6.00	<u> </u>	5.0 4.2	5.74 5.74	Ave. 5,75	4.7 2.0		100		
D.O.S. (%)	8/		Ave. 84.3		80.4 80.	9 Ave.: 80,7		76.9 77.	Ave: 17,0					
Turbidity (NTU)	: 4	81498	Ave.: 490		4.66 4.5			5.16 5.0	5 Ave. 5:11		487 \ 27.5	5 and 120% of CS4 7	5 47.0 and 130% of CS4	470
S.S. (mg/L)	:		Ave.:	100		Ave.:			Ave.:		23.5	5 and 120% of CS4	34.4 and 130% of CS4	
Station:	<u>IS14</u>		Duration:	19:44	10 19:59	Dep	th of Water (mete	r): 16.7	_	Wet bulb calibrati	on for DO mete	r: 8,43 m	g/L (99,2 %	6) (23.9 °C)
		SURFACE		ction Limit $\sqrt{A/L}$	MIDDLE		Action Limit \(\sqrt{A/L} \)	ВОТТО	M (B)	Action Limit V/A/L	DEPTH /	ACTION	LIMIT	REMARK
Depth (meter)	:	1,0			8,	1		15.2	_		AVE. VIAIL			
Temp. (°C)	: 1-7		Ave.: 72.1		22.8 22	8 22-8		228 21	9 Ave.: 22. 9					
pН	1	77 7.72	Ave.: 7.73		712 7.1			7.90 7.9	1 Aven 91					
Salinity (ppt)	: 5	42 24.3	Ave.: 43		245 74			24.7 24.	7 Ave .: 74	7		line.	1000	
D.O. (mg/L)	16:	0 617	Ave.: 619	5.0 4.2	594 59	1 .	5.0 4.2 V		O Ave.: 5.86	4.7 2.0				
D.O.S. (%)	8	3,0 826	Ave.: 8,28		79.6 79.	9 Ave. 79 8		78.7 79.1						
Turbidity (NTU)	4		Ave.: 4.37		4.47 43	8 Ave.: 443		44 45	8 Ave.: 454		4.30	1 1	S 47.0 and 130% of CS-	47.0
S.S. (mg/L)	: '		Ave.:			Ave.:			Ave.:			5 and 120% of CS4	34.4 and 130% of CS-	
Station: <u>CS4(l</u>	Instrai	am Control Stati	on) D	uration: 19	19 10 19	: 34	Depth of Water	(meter): 2	1.8	Wet bulb calibra	ition for DO mei	ter: 841 ,	mg/L (99.4	%) (23,9 °C)
bluttoneb/ite	7 7	en control blut	SURFACE	## ## F		MIDDLE			BOTTOM			I AVERAGE		IARK
Depth (meter)	;		7		1 (0,9			20.8					
Temp. (°C)	1:1	22.6	22.7	Ave.: 22,7	22.8	22.7	Ave.: 22.8	22.8	22.8	Ave.: 22.8				
рН	1:	7.80	7.81	Ave.: 781	7,77	7.18	Ave.: 7.18	7.84	7.85	Ave.: 7.85				
Salinity (ppt)	1:1	24.3	24.4	Ave.: 24.4	246	24.6	Ave.: 24.6	24.8	741	Ave.: 24.8				
D.O. (mg/L)	1:1	6.04	6.06	Ave.: 6.05	C40	5.90	Ave.: 5.89	5.73	5.77	Ave.: 575				
D.O.S. (%)	1:1	309	31,2	Ave.: 8		79.0	Ave.: 78.9	767	77.3	Ave.: 97.0			120%	130%
Turbidity (NTU)	1:1	3.86	3.74	Ave.: 380	399	393	Ave.: 3.96	3.7.3	3.96	Ave.: 3.85	3.8	.7	4.64	503
S.S. (mg/L)	:			Ave.:		to the Town	Ave.:			Ave.:				
Any notable di	iscolor	ation of water	? Y/N) If yes	s, elaboration is	s as follows:									
			~ ~		yes, elaboration	n is as follows	3 :							
Field Opera		-T	,, 		 							T T	T	
I I LEIGI ()I IP C	ator	15,1-	ln.	Ch	necked by			Labora	tory Staff			Checked by	1	



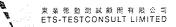
Sampling Data		1 - 11 - 2013	Weather Co.	ndition: Clash	d Ambia	nt Tomporature A	20: 20	Sea Con	ditions: Calm / Sun	all Waye Great W	ave Tide	Mode: Ebb Tide	Direction of water current	: From CS4 to CS6
				i (',05		,	oth of Water (met	_	•	10			mg/L (99,7 %	
Station:		S6	Duration:_	(,0)	10 11.2		oth of Water (mei	er):		wet buib calibrat				MARK
Depth (meter)			SURFACE			MIDDLE			BOTTOM 2.		DI	EPTH AVERAGE	REN	IARA
Temp. (°C)			(,0	Ave:	. 0	6,6	Ave.:	2) 7		Ave.: 21,8		Constant of the second		
pH		22.4	22.8	Ave.:	228	22.8	Ave.: 7 h)	21.7	72.8	Ave.: 7.67		Application of the same		
Salinity (ppt)	ļ.	7,66	7,64	Ave , 65	7.63	7,61	(202	7,66	7.68	Ave.: > (C)				
D.O. (mg/L)		74,7	74.3	Ave. S	24.5	24,4	Ave.: 6 01	548	24,9	Ave.: E at				
		6.17	6,19	Ave.: 6.18	6.02	6.00	0.01	594	5,96	Ave.: 5.95				
D.O.S. (%)		82,7	83.0	Ave.: 82.9	81,0	80.8	Ave.: 80.4	80,0		Ave.: 80.2				
Turbidity (NTU)	<u> </u>	2.35	2.37	Ave.: 2.36	3,83	3.92	Ave.: 3, 88	3,34	3,41	Ave.: 3.38	·	3,20		
S.S. (mg/L)	:			Ave.:			Ave.:	<u> </u>					0.6.53	
Station:	SR1	0a (FCZ)	Duration:	10:36	_to [0]	<u>55</u> De	epth of Water (m	eter):\	4,2		·····		_mg/L(_99,8	
		SURFACI	E (S)	Action Limit √/A/L		DLE (M)	Action Limit √/A/L	ВС	TTOM (B)	Action Limit √/A/L	DEPTH AVE. √/A/	ACTION	LIMIT	REMARK
Depth (meter)		i, o			<u>7</u>	<u> </u>			(3.)		AVE.			
Temp. (°C)		21.7 218			22.9 2	19 21.9			2.9 Ave.: 23.0			2000 00	State State	
рН		759 7,61			7.64 7.1			7.61 7	1.63 Ave.: 7.62			September 1995		
Salinity (ppt)	-	24,2 24,2	Ave.: 24,2		245 24				5,0 Ave. 25.0					
D.O. (mg/L)		6,29 6,2		5.0 5.0	6.10 6.0	7 Ave.: 6.09	5.0 5.0	5.89 9	,91 Ave. 5,90	4.7 2.0			10 at 2	
D.O.S. (%)	:	843 8411	Ave. 84,2		82.0 Sta	6 Ave.: 8(.8			19,6 Ave.: 79,1		_	1 27.5	47.0 412097 609	
Turbidity (NTU)	1	241 24	7 Ave. 7.44		3.40 3,	49 Ave.: 3,48		3.14 3	,12 Ave.: 3,2		3,04 /		L (-)	47.0
S.S. (mg/L)	:		Ave.:			Ave.:	-12	. 1	Ave.:			23.5 and 120% of CS4	34.4 and 130% of CS	7
Station:	S	'R8	Duration:_	10:1.5	10:3	l Dep	oth of Water (met	'er): 5	5	Wet bulb calibro	tion for DO	meter: 8,40	mg/L (<u>99, b</u> 9	6) (<u>241(</u> °C)
	$\overline{\Box}$	SURFAC		Action Limit √/A/L	MIDI	OLE (M)	Action Limit √/A/L		OTTOM (B)	Action Limit √/A/1	DEPTH V/A	ACTION	LIMIT	REMARK
Depth (meter)	1:	1,0)						4,5		AVE. V/A.		AND THE STREET	
Temp. (°C)	1:	22.8 22.7	Ave.: 22 8						2.9 Ave.: 22.0					
рН	1:	7,69 7,70	Ave.: 7,70						7.76 Ave.: 770					
Salinity (ppt)		24,7 24,8				Ave.:		249)	4.9 Ave.: 24.0	1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
D.O. (mg/L)	1:	6.07 6.04		5.0 4.2	/	Ave.:	5.0 4.2	5,94 6	592 Ave.: 593	4.7 2.0				
D.O.S. (%)	:	DUS 320				Ave.:			19,7 Ave.: 79,	9				
Turbidity (NTU)	,	4.53 4.63				Ave.:		3 ~ -	3,71 Ave.: 3,66		415 1		21.7	^{S1} 47ル
S.S. (mg/L)	1	1.00	Ave.:			Ave.:			Ave.:			23.5 and 120% of CS4	34.4 and 130% of C	S4



Station:	SR9 Duration:	09:54 10	10:10	Depth of Water (meter):	5.4	Wet bulb calibration for DO mete	r: <u>8.45</u> mg/L		
	SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit √/A/L	BOTTOM (B)	Action Limit V/A/L DEPTH AVE.	ACTION	LIMIT	REMARK
Depth (meter)	1,0		2.]		4.4				
Temp. (°C)	: 728 229 Ave. 22.9			<u>/ </u>	9 229 Ave.: 22.5			A CONTRACTOR OF THE SECOND SEC	
рН	7.68 7-70 Ave.7.69			7.	74 7,76 Ave.7,7	5 2 4 4 4 4 5			
Salinity (ppt)	1 24.7 24.8 Ave.: 24.8		Ave.:	70	}``\	9			
D.O. (mg/L)	617 615 Ave.:616	5.0 4.2	Ave.:	5.0 4.2 5.	84 5.82 Ave.: 5.8	33 4.7 2.0 🗸		AND CONTRACTOR	
D.O.S. (%)	1 33.0 82.1 Ave. 82.9		Ave.:		3.7 78.4 Ave. 78.1	6	5 and 120% of CS4	47.0 and 130% of CSA1	
Turbidity (NTU)	3.78 3.80 Ave. 3.79		Ave.:	3,	62 3,64 Ave. 3.6	5 Marie 1971 V	5 and 120% of CS4 5 and 120% of CS4	47.0 and 130% of CS4 47, 0	
S.S. (mg/L)	Ave.:		Ave.:		Ave.:				
Station:	<u>IS15</u> Duration:	0913U to	09:49	Depth of Water (meter):		Wet bulb calibration for DO met	er: <u> </u>	T	1
	SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit \(\sqrt{A/L} \)	BOTTOM (B)	Action Limit $\sqrt{A/L}$ DEPTH $\sqrt{A/L}$ AVE.	ACTION	LIMIT	REMARK
Depth (meter)	1,0		5.7		10,4				
Temp. (°C)	22.9 22.8 Ave. 22.8		229 229 2		3.0 229 Ave. 23.			10 10 10 10 10 10 10 10 10 10 10 10 10 1	
pН	7,69 7.67 Ave.: 7.68			The second contract of the second contract of	74 7.76 Ave. 7,7		14.00	September 1	
Salinity (ppt)	24,3 24, 2 Ave. 24,3		4.7 24.8 Ave.:		t.9 24,9 Ave. 24			The Control	
D.O. (mg/L)	6,07 605 Ave. 6,06	2 5.0 4.2	5,91 5,89 Ave.:	590 5.0 4.2 V 5				Section 1	
D.O.S. (%)	81,4 8(1) Ave. 81.3		79,5 79,2 Ave.	19.4	78.0 Ave.: 77.	9 27	5 and 120% of CS4	47.0 and 130% of CSA	
Turbidity (NTU)	1 11 20 1 20 1		3.25 3.29 Ave.:	/ Description	2.48 Ave. 2,4	C Removative Constant Property C 1	5 and 120% of CS4	47.0 and 130% of CS4 47.0 34.4 and 130% of CS4	
S.S. (mg/L)	: Ave.:		Ave.:				•	C (a	
Station:	<u>IS13</u> Duration	n: 09:06	10 09:25	Depth of Water (meter		Wet bulb calibration for DO m	eter: Kill me		· · · · · · · · · · · · · · · · · · ·
	SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit √/A/L	BOTTOM (B)	Action Limit $\sqrt{A/L}$ DEPTH AVE .	ACTION	LIMIT	REMARK
Depth (meter)	11 1,0		5, 6		10 < 2				
Temp. (°C)	22.8 22.8 Ave.: 22.8			-	3.0 230 Ave.: 23				
рН	1 7.71 7.75 Ave.: 7.7				71 7.69 Ave.: 7.	70		Contract of the contract of th	
Salinity (ppt)	24.2 24.2 Aven 24.7				20 24.9 Ave.: 25	7) 4.7 2.0 /	To the second second	Section 2	
D.O. (mg/L)	6,00 398 Ave. 5,90			5.79 5.0 4.2 / 5	71 5.13 Ave.: 5.		100		
D.O.S. (%)	805 802 Ave.: 803		10.0	רַוֹיִי יִי יִי יִי יִי יִי יִי יִי יִי יִי	6.4 77.2 Ave. 77	C. (2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	7.5 and 120% of CS4	47.0 and 130% of CS	3
Turbidity (NTU	1 70 7		2.98 3.01 Ave.		97 2 40 Ave.: 2 5	47 Sala 1 2 12 12 1	21. 3.5 and 120% of CS4	34.4 and 130% of CS4	1
S.S. (mg/L)	: Ave.:		Ave.		12770				



Station:	<u>IS12</u>	Dura	tion: OX-	42 to	09:01	Дер	th of Water (met	er):(S	, 2	Wet bulb calibration	n for DO mete	r: <u>8.42</u> mg/L (99.8 %	(24,1 °C)
		SURFACE (S)	Action Li	imit √/A/L	MIDDLE	(M)	Action Limit √/A/L	BOX	TOM (B)	Action Limit √/A/L DI	EPTH √/A/L	ACTION	LIMIT	REMARK
Depth (meter)	-	1,0			7.1	0			14,2	A 100 A	VE. V/A/L			F. W.
Temp. (°C)	2	2.7 22 8 Ave.	7.8	416 2	29 22,9	22.81		3.0 2	2.9 Ave.: 23.0					
pН	4	60 7.62 Ave.:7	12.	7	.67 7.60			7,71 7	73 Ave.: 7,72					
Salinity (ppt)	1	43 243 Ave. 26	43	CONTRACTOR OF THE PROPERTY OF	45 241	Ave.:		24.3 24	fg Ave.: 24.9					
D.O. (mg/L)		21 6.23 Ave.: 6		1.2	.13 6.11	Ave.: 6(12	5.0 4.2	6,00 5	98 Ave. 599					
D.O.S. (%)		3.3 83.5 Ave.: 8	3,4 1996		32.4 82.2	Ave.: 32.3		803 8	0,6 Ave. 30.7					
Turbidity (NTU)		43 2.47 Ave. 2.	45 8	3	42 3,40	Ave.: 3.46		3.09 3.	13 Ave.: 3,11	3 5 3			7.0 and 130% of CS4	47.0
S.S. (mg/L)	:	Ave.:				Ave.:			Ave.:				4.4 and 130% of CS4	
Station:	<u>IS14</u>	Dura	tion:	18 to	08:37		oth of Water (met	er):	,0	Wet bulb calibration	on for DO mete	r: 845 mg/L	<u>(49.4 %,</u>	1(24.2°C)
	T	SURFACE (S)	Action L	imit √/A/L	MIDDLE		Action Limit √/A/L	BO:	TTOM (B)	Action Limit $\sqrt{A/L}$ D.	EPTH √/A/L	ACTION	LIMIT	REMARK
Depth (meter)	1:	1,0			8,5				16.0		AVE. VIAIL			
Temp. (°C)	1 2	.9 22.8 Ave.2	1.9	2	28 228	22.8		22.9 2	2.8 Ave.: 22.9	1				
pН	1:17	71 7.69 Ave.:	1.70	7	.67 7.60	7,66			77 Ave.: 7.7					
Salinity (ppt)	: 20	1.4 24,3 Ave.3	4,4	2	4.7 24,1				4,9 Ave. 24,9		100			
D.O. (mg/L)	: 6			4.2 5 6	.09 6.07		5.0 4.2		90 Ave.: 5,9	4.7 2.0 /				
D.O.S. (%)	: 83	0,0 81-1 Ave.:8	19		1.9 81.6	Ave.:81.7			9,5 Ave. 79,6		/ 27	5 and 120% of CS4	17.0 and 13.0% of CS/	
Turbidity (NTU)	1: 2	3 2.69 Ave.: 2	.66	2	.98 3,02			334 3,	41 Ave.: 3,38		.0110		17.0 and 130% of CS4 14.4 and 130% of CS4	47,0
S.S. (mg/L)		Ave.:				Ave.:			Ave.:			· L		
Station: <u>CS</u> 2	t(Upstre	am Control Station)	Duratio	n: 07:5	+ to U X	213	Depth of Water	(meter):	27.1	Wet bulb calibra	tion for DO me	ter: <u> </u>	c (99,7 g	%)(<u>2411 °C)</u>
			FACE			MIDDLE			ВОТТОМ			I AVERAGE	REM.	4RK
Depth (meter)	1 :	ţ	, 0			11,6			22.1					
Temp. (°C)	:	22. 3	X Ave.	21.8	72.9	22.8	Ave.: 22.9	23.0	23,0	Ave.: 23.0				
pН		7,69 7,	68 Ave	7,69	7,74	7,76	Ave.: 7,75	7.80	7.78	Ave.: 7,79				
Salinity (ppt)	:	24, 3 24	3 Ave	243	24,5	24.6	Ave.: 246	24.8	24.9	Ave.: 24,4				
D.O. (mg/L)] :	6.21 6	23 Ave.	6.22	615	6.17	Ave.: 616	6,02	6,00	Ave.: 6:01			120%	130%
D.O.S. (%)	:	83.3	·	83,5	82.7	0, {8	Ave.: 82.9	86.1	80:9	Ave.: 81.0	~			
Turbidity (NTU) :	534 51		2.38	3.89	<u> </u>	Ave.: 3.86	2.77	2.84	Ave.: 2.81	3,1	91.	3, 61	3,92
S.S. (mg/L)	;		Ave.	:	1		Ave.:			Ave.:				
Any notable	discolo	ration of water ? X/N	l If yes, ela	boration is a	as follows:									
Any notable	pollutai	nt by others near mor	nitoring site?	YAN If yo	es, elaboratior	is as follow	s :							
Field Op	erator	Tana Chama	How	Chec	ked by	10L	la	Lab	oratory Staff			Checked by		
Date	e	39-11-	-2013		ate	291	11/13		Date			Date		



Sampling Date :	2	9.11.2013	Weather Cond	dition: Fine	Am	bient Tempe	erature (°C): Z0°c	Sea Con	nditions:	Calm / Small			Mode: Floor		ection of wat			
Station: CS6 (U	Ipstr	eam Control Stati	<u>on)</u>	Duration: [박기미	to	141,2	ن	Depth of Water	(meter):	13	<u>q</u>	Wet bulb cali	ibration for .	DO meter: _	34-3 m	ng/L (q a	<u>8_%)</u>	(24.)	°C)
	Ī		SURFACE			Mi	IDDLE				ВОТТОМ			DEPTH AVER	RAGE	***	REMA	RK	
Depth (meter)	:		l. 0				7.1	0			12.9							*********	
Temp. (°C)	-	22.9	22.9	Ave.:	22.0	2	3.1	Ave.: 23.1	23.1		23.1	Ave.: 23.1							
pН	-	7.62	7.63_	Ave.: 7.63	7.60) 7	7.58	Ave.: 7.60	7.61		7.60	Ave.: 7.61							
Salinity (ppt)	:	24.1	24.2	Ave.: 24.2	24.4	1 2	4.5	Ave.: 24.5	24.	7	24.8	Ave.: 24.8							
D.O. (mg/L)	:	6.20	6.22	Ave.: 6.2	6.10	' 6		Ave.: 6.11	6.00			Ave.: 6.03				13	0%	130%	
D.O.S. (%)		83.1	83.4	Ave.: 83.5	82.0	8	2.1	Ave.: 82	81.2		31.2	Ave.: 813							
Turbidity (NTU)	- 1	2.32	2.31	Ave.: 2.52	3.80	3	.78	Ave.: 3.79	3-31		3.37	Ave.: 3.34		3.18		3	78 ?	4.09	
S.S. (mg/L)	:			Ave.:				Ave.:				Ave.:							
Station: S.	R10	a (FCZ)	Duration:_	14/29	to	1.48	Dep	oth of Water (me	ter):	14.8		Wet bulb calib	oration for L	O meter:	14.5 n	1g/L ((
		SURFACE	E (S)	Action Limit √/A/L	Λ	AIDDLE (M)		Action Limit √/A/L	Į.	ВОТТОМ	(B)	Action Limit √/A	DEPTH V	/A/L	ACTION		LIMIT	REI	MARK
Depth (meter)	:	(.0			.,	7.4		100		13.8			AVE.						
Temp. (°C)	-	22.8 22.7	Ave.: 22-8		22.8	22.9	22.9		23.0	23.0	Ave.: 23								
рН	7	7.57 7.58	Ave.: 7.58		7.62	7.64	7.64		1 1	7.67	Ave.: 7.67								
Salinity (ppt)	:	24-2 24.1			24.4	24.5	ve.: 24-5		24.8		Ave.: 24.4	17 20							
D.O. (mg/L)	:	6.32 6.33	Ave.: 6.33	5.0 5.0		6.27	6.29	3.0 3.0		6.06	Ave.: 6.05	4.7 2.0							
D.O.S. (%)	:	84.8 84.9	Ave.:84.9		84.5	84.3 A		Concession and the Consession of the Consession		816	Ave.: 81.4			/ 27.5 and	120% of CS6 2	- 47.0 and	130% of CS0		
Turbidity (NTU)	÷	2-38 2-41	Ave.: 2-40		3,39	342 1			3.08	311	Ave.: 3.10		2.47	V_1	120% of CS6		130% of CS6	4 /.9	
S.S. (mg/L)	:		Ave.:			A	ve.:				Ave								
Station:		SR8	Duration:	14:53	_to	15:09	De	epth of Water (m	eter):	5.8	>	Wet bulb cal			84.4	_mg/L (
		SURFACI	E (S)	Action Limit √/A/L	1	MIDDLE (M)		Action Limit √/A/L		BOTTON	(B)	Action Limit √/	A/L DEPTH AVE.	//A/L	ACTION		LIMIT	RE	MARK
Depth (meter)	:	1.0					_/			4.8	14		AVE.		an er er er				
Temp. (°C)	:	22.8 22.7	Ave.: 22,8						8		Ave.: 22.9								
рН	:	7.63 7.66	Ave. 7.66			_4			7.70		Ave.: 7.71								
Salinity (ppt)	:	24.8 24.5	8 Ave.: 24.8				lve.:	50 (3)		1.25	Ave.: 25.0								
D.O. (mg/L)	-	6.14 6.16		5.0 4.2			lve.:	5.0 4.2	22		Ave.: 6.08	4.7 2.0							
D.O.S. (%)	1	81.3 82.7	Ave.: 815				1ve.:		23	81.7				27.5 and	120% of CS6	47.0 and	1 130% of CS6	073	
Turbidity (NTU)	:	4.53 4.52			/		lve.:		3.62	3.64	Ave.: 3,6 3		4,08.	/	120% of CS6	1.7	130% of CS6		
S.S. (mg/L)] :		Ave.:			A	4ve.:				Ave			25.5 4/14					



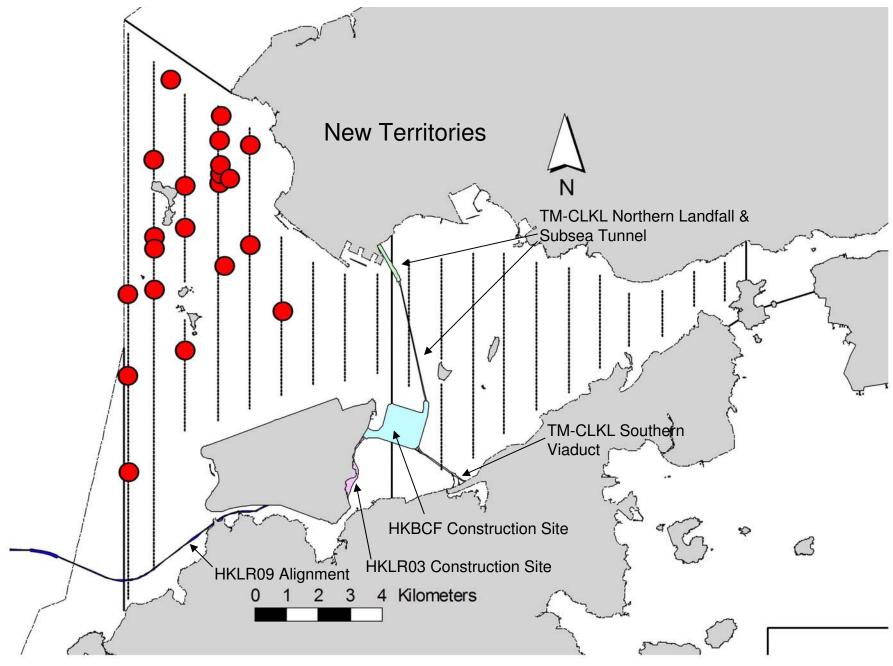
Station:		SR9 D	uration: \5\4	0 1530	Depth of Water (meter):_	5.7	Wet bulb calibration for DO n	neter: 8.44 mg	VL (99.4 %) (_	24.2 %
		SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit √/A/L	BOTTOM (B)	Action Limit $\sqrt{A/L}$ DEPTH $\sqrt{A/L}$	ACTION	LIMIT	REMARK
Depth (meter)	:	1.0		2.9		4.7	AVE.		The second of	
Temp. (°C)	:	22.7 22.8 Ave.	22.8 H 118		22.		500		State of State of State of	
рΗ	:	7.65 7.66 Ave.	··7.66 (\$1.15 10 s)		7. 7					
Salinity (ppt)	:	24.6 24.7 Ave.	247 (2) (3)	Ave.:	24.	8 24.9 Ave.: 24.9				
D.O. (mg/L)	:	6.27 6.29 Ave.	6.28 5.0 4.2	Ave.:	5.0 4.2 5-96		4.7 2.0		900	
D.O.S. (%)	1	843 84.6 Ave.	"84.5 Part 1841	Ave.:	80.	3 80.6 Ave.: 80.5		604	15 0 112000 CCC4	
Turbidity (NTU)	:	3.63 3.61 Ave	"3.62 From the Party	Ave.:	3.4			27.5 and 120% of CS6		
S.S. (mg/L)	:	Ave		Ave.:		Ave.:		23.5 and 120% of CS6	34.4 and 130% of CS6	
Station:	•	IS15I	Ouration: \535	10 \$ 15:54	Depth of Water (meter):_	11.6	Wet bulb calibration for DO	meter: <u>8.47</u> m	g/L(998 %)(_	24.2 %
		SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit √/A/L	BOTTOM (B)	Action Limit $\sqrt{A/L}$ DEPTH AVE .	ACTION	LIMIT	REMARK
Depth (meter)	:	i.0		5.8		10.6	AVE.			
Temp. (°C)	:	22. 4 22.8 Ave	22.9	230 229 23	0 8 8 12 23.	<u> </u>		CONTRACTOR NO.		
рH	1	7.64 712 Ave	7.63		66 7.77					
Salinity (ppt)	:	1/L /1 34 3 Ave	₇₄₄	24.8 24.6 Ave.: 2	4.7 24.			a proposition of		
D.O. (mg/L)	:	6 14 6.12 AVE	6.0 3.0 4.2	6.04 6.04 Ave.: 6	.04 5.0 4.2 / 5.5	8 5.87 Ave.: 5.85	7 4.7 2.0			
D.O.S. (%)	:	813 811 Ave	^{2.1} 81-2 8.18 8.19	81.2 81.3 Ave.:	79	1 79.0 Ave.: 79.1		27.5 and 120% of CS6	= 47.0 and 130% of CSA	
Turbidity (NTU)] :			3.06 3.05 Ave.: 3	06 22		· 22 54 24 2 2 2 2 2	23.5 and 120% of CS6	47.0 and 130% of CS6 34.4 and 130% of CS6)
S.S. (mg/L)	<u> </u>	Ave		Ave.:		Ave.:			,	
Station:		<u>IS13</u>	Duration: 15:59	1618	Depth of Water (meter):		Wet bulb calibration for DO	meter: 8-41 m		24.1 %
		SURFACE (S)	Action Limit √/A/L	MIDDLE (M)	Action Limit √/A/L	BOTTOM (B)	Action Limit $\sqrt{A/L}$ DEPTH AVE .	ACTION	LIMIT	REMARK
Depth (meter)	:	(.0		5.8		10.5				
Temp. (°C)	:		e.: _{22.} 8	22-9 22-9 22						
рН	:	7.68 7.66 Ave	e. 7.67 e. 1		70 7 7.6	1				
Salinity (ppt)	:	24.1 24.2 Av	24.2		49 25				369	
D.O. (mg/L)	:	6-14 6.16 AV	e.:6.15 3.0 4.2	G. 07 6.08 Ave.:	5.08 5.0 4.2	94 5.93 Ave.: 5.91	THE REPORT OF THE PROPERTY OF			
D.O.S. (%)] ;	823 826 AV	e.: 32 5	81.6 81.9 Ave.:	81.7		\ because a second .	27.5 and 120% of CS6	47.0 and 130% of CS0	
Turbidity (NTU)) :		e.: 2.42	2.67 2.66 Ave.:-	2.67	75 2.72 Ave.: 2.75	7 261	27.5 and 120% of CS6	34.4 and 130% of CS6	0
S.S. (mg/L)	-	Av	e.:	Ave.:		Ave		2277 07 000		



Station:		IS12		Duration:	1623	to I	642 <i>I</i>	Depth of Water (met	ter). 15	. ζ	Wet bulb calibro	ation for DO me	eter: 8.43	mg/L (QQ Q	%)(24.1 °C)
			SURFACE (S)	-	Action Limit v		DDLE (M)	Action Limit V/A/L	BOTTC	M (B)		D EDVELV	ACTION	LIMIT	REMARK
Depth (meter)	:		1.0				7.8		14			AVE. V/A/L			
Temp. (°C)	1	22.8	22-9 Ave	e.: ₂₂₋₉		72-8 2	1.8 22.8		22.9 23.1	Ave.: 23.				201000	
рН	:	7-5i		e.: 7.52		SAMPLE OF THE PROPERTY OF THE	.65 7.65			7 Ave.: 7.69					
Salinity (ppt)	:	24.)_	24.3 Ave	e.: 74.3			4.5 Ave. 24.		24.7 24.8					Carl Barrier	
D.O. (mg/L)	:	6 44	6.41 Ave	e.: 6.43	5.0 4.2	7 6.25 6.	27 Ave.: 6.26	5.0 4.2	6.17 6.19	Ave.: 6.18	4.7 2.0			A September 1	
D.O.S. (%)	-	86.4	86.0 Ave	e.: 86,2		840 8	4. 3 Ave.: 84.			4 Ave.: 83					
Turbidity (NTU)	:	2.23	2.21 Ave	e.: 212		3.12 3	Ave.: 3.14		2.85 2.8			4.()	7.5 and 120% of CS6	- 1 - 1	47.0
S.S. (mg/L)	:		Ave	re,:			Ave.:			Ave.:		23	3.5 and 120% of CS6	34.4 and 130% of CS	56
Station:		<u>IS14</u>		Duration:	1647	to\	706	Depth of Water (met	ter):17	<u>· 3</u>			eter: <u>8.44</u>	mg/L (99.8	%)(<u>24.(</u> °C)
			SURFACE (S)		Action Limit 3	//A/L MI	DDLE (M)	Action Limit √/A/L	BOTTO		Action Limit \(\sqrt{A/L} \)	DEPTH √/A/L	ACTION	LIMIT	REMARK
Depth (meter)	:		1.0				8.2		16	. }		AVE. VIAIL			
Temp. (°C)		22.9		re.:25, 0		2500000	22.9		22.9 22.9	\					
pН	:	7.68	1.4	re.: 7.68		7.59 7	.58 7.59		7.61 7.63						
Salinity (ppt)	:	24.4		re.: 24.5		120 7	5.2 Ave.: 25.)		25.1 25.						
D.O. (mg/L)	:	6.31	10 . 7	re.:6.52	5.0 4.2		. 23 Ave.; 22		6.14 6.19		4.7 2.0				
D.O.S. (%)	<u> </u>	84.6	84.8 Av				37 Ave.: 83.		826 820			12°	7.5 and 120% of CS6	27.5 47.0 and 130% of C	Sdu-
Turbidity (NTU)	1	241		re.: 2.42		2.64 2	1.67 Ave.: 2.66		3.15 3.18	Ave.: 3.17	there is a	2.12	3.5 and 120% of CS6	34.4 and 130% of C.	
S.S. (mg/L)	Ŀ		Av	ve.:			Ave.:								
Station:		S4	Dur	ration:	1711	to17		epth of Water (mete	er):	23.4	Wet bulb calibrat			mg/L (90.7	
5 4 ()	_			SURFACE			MIDDLE			BOTTOM	į.	DEPT	'H AVERAGE	RE	MARK
Depth (meter)	_	:	1.0		Ava		11.7		~ 7 ,	22.4	Ave.:				
Temp. (°C)	_	27		<u> 75.8</u>	Ave.: 22	9 22.9)3.0	47.01	23.1	23.2	Ave.: 7.73				
Salinity (ppt)	-			7.55	Ave.: 7.	55 7.63	7.62	Ave.: 7.63	7.72	7.74	Ave.: 24.9				
D.O. (mg/L)	\perp	- 124		24.4	Ave.:			Ave.: 24.6 Ave.: 6.24	24.9	24.9	Ave.: 6.13		100		
D.O.S. (%)			25 1 3-8	83.7	Ave.: 2 3	25 6.23 8 83.7	85.9	Ave.: 83.8	6.14 82.6	82.3	Ave.: 825				
Turbidity (NTU)				05-1 2,46	Ave.:),			Ave.: 2.6 \	3.14	3-12	Ave.: 3.13		2.73	S 5 4 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	
S.S. (mg/L)	\dashv	<u> </u>	7(4·70_	Ave.:	1 2.3	2.0-	Ave.:	3.1	7.12	Ave.:		<u> </u>		
				· ·		tion is as follows		ws ·							
			Control of the contro				/ _	100	7 7	G	1		Checked	4	
	Field Operator Sunny Ta			lang			hecked by			tory Staff				Uy	
Date	Date 29.11.2		1. 2013	3	Date	1 291	4/13		Date			Date			

Appendix J

Impact Dolphin Monitoring Survey



Distribution of Chinese White Dolphin Sightings During November 2013 HKLR03 Monitoring Surveys

Appendix I. HKLR03 Survey Effort Database (November 2013)

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

1-Nov-13		BEAU	EFFORT	SEASON	VESSEL	TYPE	P/S
1 1101 10	NW LANTAU	1	6.43	AUTUMN	STANDARD31516	HKLR	Р
1-Nov-13	NW LANTAU	2	28.32	AUTUMN	STANDARD31516	HKLR	Р
1-Nov-13	NW LANTAU	3	19.23	AUTUMN	STANDARD31516	HKLR	Р
1-Nov-13	NW LANTAU	1	2.25	AUTUMN	STANDARD31516	HKLR	S
1-Nov-13	NW LANTAU	2	5.73	AUTUMN	STANDARD31516	HKLR	S
1-Nov-13	NW LANTAU	3	4.87	AUTUMN	STANDARD31516	HKLR	S
1-Nov-13	NE LANTAU	2	3.67	AUTUMN	STANDARD31516	HKLR	Р
5-Nov-13	NE LANTAU	2	34.75	AUTUMN	STANDARD31516	HKLR	Р
5-Nov-13	NE LANTAU	2	10.65	AUTUMN	STANDARD31516	HKLR	S
5-Nov-13	NW LANTAU	2	13.99	AUTUMN	STANDARD31516	HKLR	Р
5-Nov-13	NW LANTAU	2	6.61	AUTUMN	STANDARD31516	HKLR	S
8-Nov-13	NW LANTAU	0	1.73	AUTUMN	STANDARD31516	HKLR	Р
8-Nov-13	NW LANTAU	1	10.57	AUTUMN	STANDARD31516	HKLR	Р
8-Nov-13	NW LANTAU	2	39.88	AUTUMN	STANDARD31516	HKLR	Р
8-Nov-13	NW LANTAU	3	1.50	AUTUMN	STANDARD31516	HKLR	Р
8-Nov-13	NW LANTAU	1	1.29	AUTUMN	STANDARD31516	HKLR	S
8-Nov-13	NW LANTAU	2	5.53	AUTUMN	STANDARD31516	HKLR	S
8-Nov-13	NW LANTAU	3	2.36	AUTUMN	STANDARD31516	HKLR	S
13-Nov-13	NE LANTAU	1	5.70	AUTUMN	STANDARD31516	HKLR	Р
13-Nov-13	NE LANTAU	2	21.79	AUTUMN	STANDARD31516	HKLR	Р
13-Nov-13	NE LANTAU	3	9.60	AUTUMN	STANDARD31516	HKLR	Р
13-Nov-13	NE LANTAU	2	11.71	AUTUMN	STANDARD31516	HKLR	S
13-Nov-13	NE LANTAU	3	1.10	AUTUMN	STANDARD31516	HKLR	S
13-Nov-13	NW LANTAU	1	1.93	AUTUMN	STANDARD31516	HKLR	Р
13-Nov-13	NW LANTAU	2	5.89	AUTUMN	STANDARD31516	HKLR	Р
13-Nov-13	NW LANTAU	3	6.87	AUTUMN	STANDARD31516	HKLR	Р
13-Nov-13	NW LANTAU	2	4.22	AUTUMN	STANDARD31516	HKLR	S

Appendix II. HKLR03 Chinese White Dolphin Sighting Database (November 2013)

(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 Line\$

DATE	STG#	TIME	HRD SZ	AREA	BEAU	PSD	EFFORT	TYPE	NORTHING	EASTING	SEASON	BOAT ASSOC.	P/S
1-Nov-13	1	1049	4	NW LANTAU	2	74	ON	HKLR	823145	809509	AUTUMN	NONE	Р
1-Nov-13	2	1152	3	NW LANTAU	3	214	ON	HKLR	826947	807517	AUTUMN	NONE	Р
1-Nov-13	3	1203	7	NW LANTAU	3	159	ON	HKLR	827235	807539	AUTUMN	NONE	Р
1-Nov-13	4	1225	1	NW LANTAU	2	137	ON	HKLR	827490	807539	AUTUMN	NONE	Р
1-Nov-13	5	1236	3	NW LANTAU	2	358	ON	HKLR	828232	807530	AUTUMN	NONE	Р
1-Nov-13	6	1252	7	NW LANTAU	2	ND	OFF	HKLR	828941	807583	AUTUMN	NONE	
1-Nov-13	7	1312	4	NW LANTAU	2	72	ON	HKLR	830018	805999	AUTUMN	NONE	S
1-Nov-13	8	1458	11	NW LANTAU	3	60	ON	HKLR	821228	804642	AUTUMN	NONE	Р
5-Nov-13	1	1421	5	NW LANTAU	2	378	ON	HKLR	828097	808508	AUTUMN	NONE	Р
8-Nov-13	1	1041	4	NW LANTAU	1	302	ON	HKLR	824489	807678	AUTUMN	NONE	Р
8-Nov-13	2	1103	8	NW LANTAU	2	694	ON	HKLR	827091	807858	AUTUMN	NONE	Р
8-Nov-13	3	1152	7	NW LANTAU	3	299	ON	HKLR	827660	805459	AUTUMN	NONE	Р
8-Nov-13	4	1215	9	NW LANTAU	2	756	ON	HKLR	825357	805465	AUTUMN	NONE	Р
8-Nov-13	5	1232	5	NW LANTAU	2	ND	OFF	HKLR	825025	805464	AUTUMN	NONE	
8-Nov-13	6	1249	4	NW LANTAU	2	7	ON	HKLR	823806	805462	AUTUMN	NONE	Р
8-Nov-13	7	1400	2	NW LANTAU	2	155	ON	HKLR	818382	804657	AUTUMN	NONE	Р
8-Nov-13	8	1426	8	NW LANTAU	2	149	ON	HKLR	823675	804648	AUTUMN	NONE	Р
8-Nov-13	9	1526	1	NW LANTAU	2	45	ON	HKLR	826872	806446	AUTUMN	NONE	Р
8-Nov-13	10	1536	4	NW LANTAU	1	225	ON	HKLR	825643	806454	AUTUMN	NONE	Р
8-Nov-13	11	1606	4	NW LANTAU	2	223	ON	HKLR	821988	806457	AUTUMN	NONE	Р
13-Nov-13	1	1451	1	NW LANTAU	3	343	ON	HKLR	825118	808482	AUTUMN	NONE	Р

Annex K

Event and Action Plan

Event and Action Plan for Impact Air Monitoring

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

		Action		
	ET (a)	IEC (a)	SOR (a)	Contractor(s)
Limit Level				
Exceedance recorded 1. 2 3. 4. 5. 6. 7. 8. 9.	Repeat measurement to confirm finding. If two consecutive measurements exceed Limit Level, the exceedance is then confirmed. Inform the IEC, the SOR, the DEP and the Contractor. Investigate the cause of exceedance and check Contractor's working procedures to determine possible mitigation to be implemented. If the exceedance is confirmed to be Project related after investigation, increase monitoring frequency to daily. Carry out analysis of the Contractor's working procedures to determine possible mitigation to be implemented. Arrange meeting with the IEC and the SOR to discuss the remedial actions to be taken. Assess effectiveness of the Contractor's remedial actions and keep the IEC, the DEP and the SOR informed of the results.	 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. 	 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. 	 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.

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	SOR		Contractor		
Action level being exceeded by one sampling day	 2. 3. 4. 	Repeat <i>in situ</i> measurement on next day of exceedance to confirm findings; Identify source(s) of impact; Inform IEC, contractor and SOR; Check monitoring data, all plant, equipment and Contractor's working methods.	1.	Check monitoring data submitted by ET and Contractor's working methods.	2.	Confirm receipt of notification of non-compliance in writing: Notify Contractor.	 2. 3. 	Inform the SOR and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Amend working methods if appropriate.		
Action level being exceeded by two or more consecutive sampling days	 2. 3. 4. 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.	Inform the Supervising Officer and confirm notification of the non- compliance in writing; Rectify unacceptable practice; Check all plant and equipment and consider changes of working methods; Submit proposal of additional mitigation measures to SOR within 3 working days of notification and discuss with ET, IEC and SOR; Implement the agreed mitigation measures.		
Limit level being exceeded	1.	Repeat measurement on next day of	1.	Check monitoring data	1.	Confirm receipt of	1.	Inform the SOR and		
by one sampling day		exceedance to confirm findings;		submitted by ET and		notification of failure in		confirm notification of the		

Event	ET Leader		IEC			R	Contractor		
	 2. 3. 4. 6. 	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;	2.	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.	2.	writing; Discuss with IEC, ET and Contractor on the proposed mitigation measures; Request Contractor to review the working methods.	 3. 4. 	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	 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 Limit level for two consecutive days;	 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 Contractor's mitigation measures whenever necessary to assure their effectiveness and advise the SOR accordingly; Supervise the implementation of mitigation measures.	 2. 4. 5. 	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.	 2. 3. 4. 	Take immediate action to avoid further exceedance; Submit proposal of mitigation measures to SOR within 3 working days of notification and discuss with ET, IEC and SOR; Implement the agreed mitigation measures; Resubmit proposals of mitigation measures if problem still not under control; As directed by the Supervising Officer, to slow down or to stop all or part of the construction activities until no exceedance of Limit level.	

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

Event/Action Plan for Impact Dolphin Monitoring

EVENT		ACTION*						
	ET	IEC	SOR	Contractor				
Action Level	 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 modify the perimeter silt curtain or consider to control/temporarily stop relevant construction activity etc.) and submit to IEC a proposal of additional dolphin monitoring and/or mitigation measures where necessary. 	Contractor the necessity of additional dolphin monitoring and any other potential mitigation measures. 4. Review proposals for additional monitoring and any other mitigation measures submitted by ET and Contractor and advise SOR of the results and findings accordingly. 5. Supervise / Audit the implementation of additional monitoring and/or any other mitigation measures and advise SOR the results and findings accordingly.	proposals for additional dolphin monitoring and/or any other mitigation measures submitted by ET and Contractor and verified by IEC, SOR to signify the agreement in writing on such proposals and any other mitigation measures. 3. Supervise the implementation of additional monitoring and/or any other mitigation measures.	potential mitigation measures. 3. Jointly submit with ET to IEC a proposal of additional dolphin monitoring and/or any other mitigation measures when necessary. 4. Implement the agreed additional dolphin monitoring and/or any other mitigation measures.	

Appendix L

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

Appendix L Cumulative Statistics on Exceedances

		Total No. recorded in this reporting month	Total No. recorded since project commencement
1-Hr TSP	Action	4	4
	Limit	1	1
24-Hr TSP	Action	0	0
	Limit	0	0
Water Quality	Action	0	0
•	Limit	0	0
Impact Dolphin	Action	0	0
Monitoring	Limit	0	0

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

Reporting Period	Cumulative Statistics					
	Complaints	Notifications of	Successful			
		Summons	Prosecutions			
This Reporting Month (Nov 2013)	0	0	0			
Total No. received since project commencement	0	0	0			

Email message

Environmental Resources Management

To ENVIRON - Hong Kong, Limited (ENPO)

16/F DCH Commercial Centre,

25 Westlands Road Quarry Bay, Hong Kong Telephone: (852) 2271 3113 Pacsimile: (852) 2723 5660

From ERM- Hong Kong, Limited

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

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

Kok Link-Northern Connection Sub-sea Tunnel

Section

Subject Notification of Exceedance for Air Quality

Impact Monitoring

ERM

Date 3 December 2013

Page 1 of 8

Dear Sir or Madam,

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

0212330_07November2013_1hrTSP_Station ASR5 0212330_07November2013_1hrTSP_Station ASR10 0212330_07November2013_1hrTSP_Station AQMS1

recorded on 07 November 2013.

Regards,

Mr Jovy Tam

Environmental Team Leader

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ERM-Hong Kong, Limited

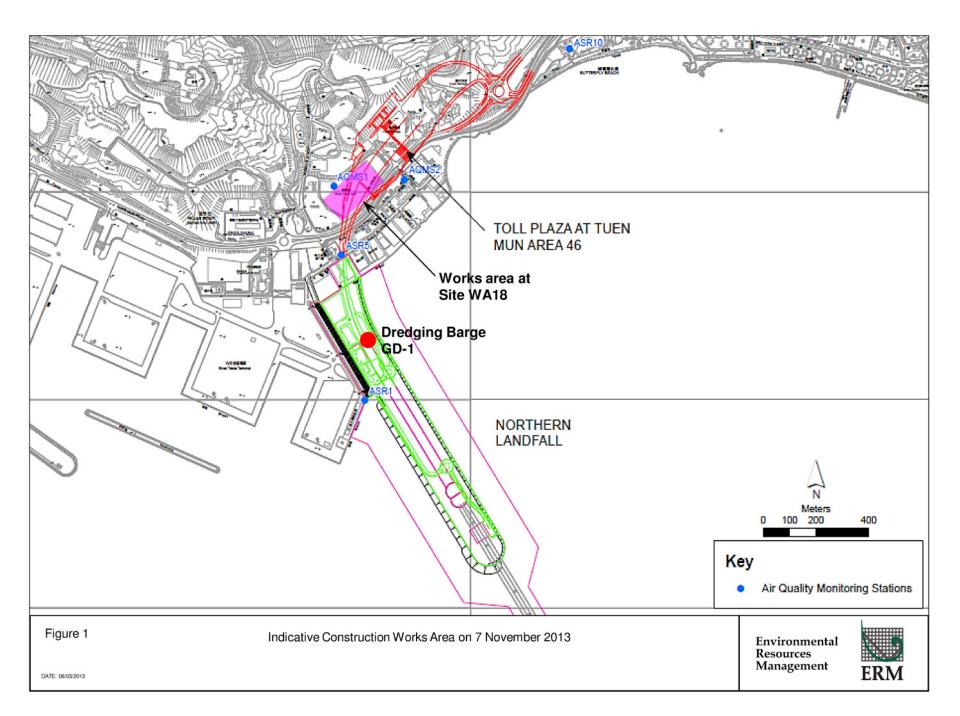


CONTRACT NO. HY/2012/08 TUEN MUN - CHEK LAP KOK LINK NORTHERN CONNECTION SUB-SEA TUNNEL SECTION

Air Quality Impact Monitoring Notification of Exceedance

Log No.	0212330_07November2013_1hrTSP_Station ASR5						
	0212330_07November2013_1hrTSP_Station ASR10						
	0212330_07November2013_1hrTSP_Station AQMS1						
	[Total No. of Exceedances = 3]						
Date	7 November 2013 (Measured)						
	16 Novem	ber 2013 (Laboratory results received by ERM)					
Monitoring Station		ASR5, ASR10, AQMS1					
Parameter(s) with Exceedance(s)		1-hr TSP					
Action Levels	1-hr TSP (μg/m³)	ASR5 = 340					
		ASR10 = 337					
		AQMS1 = 335					
Limit Levels	1-hr TSP (μg/m³)	500					
Measured Levels		rved at ASR5 (413 μg/m³) during 08:20-09:20 hrs.					
		ved at ASR10 (645 μ g/m³) during 09:02-10:02 hrs.					
		rved at AQMS1 (431 μ g/m³) during 08:40-09:40 hrs.					
Works Undertaken (at		edging works were carried out by one dredger GD-1.					
the time of monitoring		g 08:20-10:02, dredging was undertaken by one dredger. At Site					
event)	J ,	on for site formation were undertaken. Erection of chain link fence					
eventy							
D	and site hoarding were also bein	-					
Possible Reason for	•	be due to the Project, in view of the following:					
Action or Limit Level		t Level was observed at ASR10, the average 1-hr TSP levels					
Exceedance(s)		ing station were in compliance with the Action and Limit Levels on					
	_	average 1-hr TSP levels at ASR5 253µg/m³) and AQMS1					
	(115µg/m³)) were also in c	ompliance with the Action and Limit Levels on the same day. The					
	1-hr TSP at ASR10, ASR5 a same day.	and AQMS1 returned to level below the Action/Limit Levels on the					
	•	is located distant (>1km) from the major construction works area,					
	<u> </u>	s is thus considered not directly associated with the observed					
	Action/Limit Levels of Exc	•					
	Same level and extent of co	onstruction works were carried out at the same locations on 2nd					
	November and 13th Noven	nber 2013 while no exceedance was recorded on these two days.					
		or's work activity schedule, marine dredging works at Portion N-a					
	Ü	nstruction works area. At Site WA 18, the level of construction					
	,	minor and is thus not considered to induce the observed exceedance					
	directly.						
	-	ded wind direction (ranged from 124° to 162°, blowing to a					
		d wind speed (ranged from 1.07 to 1.83), Stations ASR5, ASR10,					
		am of the major construction activities at dredging barge GD-1 at					
	_	us not be affected by the dust, if any, generated by the concerned					
	construction activities.	as not be affected by the dasty if any, generated by the concerned					
		(Section 4.2.3) the background value of Tuen Mun is higher than					
	_	(Section 4.2.3), the background value of Tuen Mun is higher than					
		Cong, thus the exceedance may be also contributed by the other					
		c within the Tuen Mun Area rather than causing by the					
	construction works of the l	гтојест.					

Actions Taken / To Be Taken	The Contractor was reminded to ensure all dust mitigating measures are provided at WA 18. The ET will monitor for future trends in exceedances.
Remarks	The monitoring results, the locations of air quality monitoring stations, wind data and construction works schedule are attached.



Project	Works	Date	Station	Weather	Start time	End Time (hh:mm, 24	Parameters	Results	units
TMCLKL	HY/2012/08	2013/11/02	AQMS2	S	08:08	09:08	1-hour TSP	213	µg/m³
TMCLKL	HY/2012/08	2013/11/02	AQMS2	S	09:10	10:10	1-hour TSP	267	μg/m³
TMCLKL	HY/2012/08	2013/11/02	AQMS2	S	10:12	11:12	1-hour TSP		μg/m³
TMCLKL	HY/2012/08	2013/11/02	AQMS1	S	08:40	09:40	1-hour TSP	145	µg/m³
TMCLKL	HY/2012/08	2013/11/02	AQMS1	S	09:40	10:40	1-hour TSP	266	μg/m³
TMCLKL	HY/2012/08	2013/11/02	AQMS1	S	10:40	11:40	1-hour TSP	159	μg/m³
TMCLKL	HY/2012/08	2013/11/02	ASR10	S	08:00	09:00	1-hour TSP	173	μg/m³
TMCLKL	HY/2012/08	2013/11/02	ASR10	S	09:02	10:02	1-hour TSP	248	μg/m³
TMCLKL	HY/2012/08	2013/11/02	ASR10	S	10:04	11:04	1-hour TSP	116	μg/m³
TMCLKL	HY/2012/08	2013/11/02	ASR1	S	08:30	09:30	1-hour TSP	164	µg/m³
TMCLKL	HY/2012/08	2013/11/02	ASR1	S	09:32	10:32	1-hour TSP	184	µg/m³
TMCLKL	HY/2012/08	2013/11/02	ASR1	S	10:34	11:34	1-hour TSP	147	μg/m³
TMCLKL	HY/2012/08	2013/11/02	ASR5	S	08:20	09:20	1-hour TSP	192	μg/m³
TMCLKL	HY/2012/08	2013/11/02	ASR5	S	09:22	10:22	1-hour TSP		μg/m³
TMCLKL	HY/2012/08	2013/11/02	ASR5	S	10:24	11:24	1-hour TSP	252	µg/m³
TMCLKL	HY/2012/08	2013/11/07	ASR1	S	08:30	09:30	1-hour TSP	257	μg/m³
TMCLKL	HY/2012/08	2013/11/07	ASR1	S	09:32	10:32	1-hour TSP		μg/m³
TMCLKL	HY/2012/08	2013/11/07	ASR1	S	10:34	11:34	1-hour TSP	123	µg/m³
TMCLKL	HY/2012/08	2013/11/07	ASR5	S	08:20	09:20	1-hour TSP	413	μg/m³
TMCLKL	HY/2012/08	2013/11/07	ASR5	S	09:22	10:22	1-hour TSP	247	μg/m³
TMCLKL	HY/2012/08	2013/11/07	ASR5	S	10:24	11:24	1-hour TSP	259	μg/m³
TMCLKL	HY/2012/08	2013/11/07	AQMS2	S	08:08	09:08	1-hour TSP	332	µg/m³
TMCLKL	HY/2012/08	2013/11/07	AQMS2	S	09:10	10:10	1-hour TSP	203	µg/m³
TMCLKL	HY/2012/08	2013/11/07	AQMS2	S	10:12	11:12	1-hour TSP	196	µg/m³
TMCLKL	HY/2012/08	2013/11/07	ASR10	S	08:00	09:00	1-hour TSP		µg/m³
TMCLKL	HY/2012/08	2013/11/07	ASR10	S	09:02	10:02	1-hour TSP	645	µg/m³

TMCLKL	HY/2012/08	2013/11/07	ASR10	S	10:04	11:04	1-hour TSP	167	µg/m³
TMCLKL	HY/2012/08	2013/11/07	AQMS1	S	08:40	09:40	1-hour TSP	431	µg/m³
TMCLKL	HY/2012/08	2013/11/07	AQMS1	S	09:42	10:42	1-hour TSP	112	µg/m³
TMCLKL	HY/2012/08	2013/11/07	AQMS1	S	10:44	11:44	1-hour TSP	118	μg/m³
TMCLKL	HY/2012/08	2013/11/13	AQMS1	S	10:47	11:47	1-hour TSP	46	µg/m³
TMCLKL	HY/2012/08	2013/11/13	AQMS1	S	09:45	10:45	1-hour TSP	38	µg/m³
TMCLKL	HY/2012/08	2013/11/13	AQMS1	S	08:43	09:43	1-hour TSP	81	µg/m³
TMCLKL	HY/2012/08	2013/11/13	ASR10	S	10:04	11:04	1-hour TSP	60	µg/m³
TMCLKL	HY/2012/08	2013/11/13	ASR10	S	09:02	10:02	1-hour TSP	87	µg/m³
TMCLKL	HY/2012/08	2013/11/13	ASR10	S	08:00	09:00	1-hour TSP	184	µg/m³
TMCLKL	HY/2012/08	2013/11/13	AQMS2	S	08:10	09:10	1-hour TSP	167	µg/m³
TMCLKL	HY/2012/08	2013/11/13	AQMS2	S	10:14	11:14	1-hour TSP	81	µg/m³
TMCLKL	HY/2012/08	2013/11/13	AQMS2	S	09:12	10:12	1-hour TSP	69	µg/m³
TMCLKL	HY/2012/08	2013/11/13	ASR5	S	10:24	11:24	1-hour TSP	85	µg/m³
TMCLKL	HY/2012/08	2013/11/13	ASR5	S	09:22	10:22	1-hour TSP	122	µg/m³
TMCLKL	HY/2012/08	2013/11/13	ASR5	S	08:20	09:20	1-hour TSP	88	µg/m³
TMCLKL	HY/2012/08	2013/11/13	ASR1	S	09:34	10:34	1-hour TSP	69	µg/m³
TMCLKL	HY/2012/08	2013/11/13	ASR1	S	08:32	09:32	1-hour TSP	79	µg/m³
TMCLKL	HY/2012/08	2013/11/13	ASR1	S	10:36	11:36	1-hour TSP	73	µg/m³

Row Labels	Average of Wind direction	Average of Wind	speed
0:00		179	0.38
1:00		231	0.35
2:00		161	0.44
3:00		198	0.51
4:00		271	0.49
5:00		176	0.37
6:00		110	0.95
7:00		104	1.60
8:00		124	1.60
9:00		130	1.83
10:00		162	1.07
11:00		167	1.22
12:00		142	1.48
13:00		158	1.43
14:00		166	1.38
15:00		161	1.38
Grand Total		167	0.99

Cont. No.: HY/2012/08 - Tuen Mum - Chek Lap Kok Link Northern Connection Sub-Sea Tunnel Section

Item no.	Description	Date of start	Date of finish	Duration	Incharge										No	ον										
									Wk	46			Wk 47					Wk 48					Wk 49			
						1 2	3	4 5	6	7	8 9	10	11 12	13	14 1	5 16	<mark>17</mark> 1	8 19	20 2	21 22	2 23	<mark>24</mark> 2	25 26	27 28	3 29	30 1
						F S	S	мт	w	Т	F S	S	мт	w	T F	S	S N	л т	w ·	T F	S	S N	и т	w T	F	s s
1.1.1	General site clearance	07/10/2013	12/10/2013	6	DBJV																					
	Utilities Detection																								\prod	
1.1.2	Utilities survey / detection	15/10/2013	17/10/2013	3	APC																					
	Chain Link Fence / Hoarding																									
1.1.3	Survey setting out - chain link fence / site hoarding / main gates	10/10/2013	11/10/2013	2	DBJV																					
1.1.4	Erection of chain link fence / site hoarding / main gates	01/11/2013	23/11/2013	23	HouTai																					
	Site Formation																									
1.1.5	Tendering of site formation (excavation / ground slab)	07/10/2013	26/10/2013	20	DBJV																					
1.1.6	Survey setting out - Drainage works	28/10/2013	02/11/2013	6	DBJV																					
1.1.7	Site formation (Excavation / drainage)	01/11/2013	30/11/2013	30	HouTai																					
	Temp. outdoor 11kv substation																									I
1.1.8	Tendering of site formation (outdoor 11kV substation)	07/10/2013	26/10/2013	20	DBJV																					
1.1.9	Survey setting out - outdoor 11kV substation	28/10/2013	02/11/2013	6	DBJV																					
1.1.10	Temporary outdoor substation (11kV)	04/11/2013	14/12/2013	41	Ming Fai																					
	Site Office																									
1.1.11	Design caculation and submission for approval	25/10/2013	02/11/2013	9	KONWO																					I
1.1.12	Material submission	28/10/2013	02/11/2013	6	KONWO																					
1.1.13	Site formation (foundation / concrete slab)	04/11/2013	23/11/2013	20	KONWO																					
1.1.14	Assembly of site office including ABWF, E&M, Data cabling and furnitures (DBJV)	11/11/2013	11/01/2014	62	KONWO																					
1.1.15	Assembly of site office including ABWF, E&M, Data cabling and furnitures (SOR)	11/11/2013	15/02/2014	97	KONWO																					

Email message Environmental Resources Management

To ENVIRON - Hong Kong, Limited (ENPO)

16/F DCH Commercial Centre,

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

From ERM- Hong Kong, Limited

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

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 9 December 2013



Dear Sir or Madam,

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

0212330_19November2013_1hrTSP_Station ASR1 0212330_19November2013_1hrTSP_Station ASR5

recorded on 19 November 2013.

Regards,

Mr Jovy Tam

Environmental Team Leader

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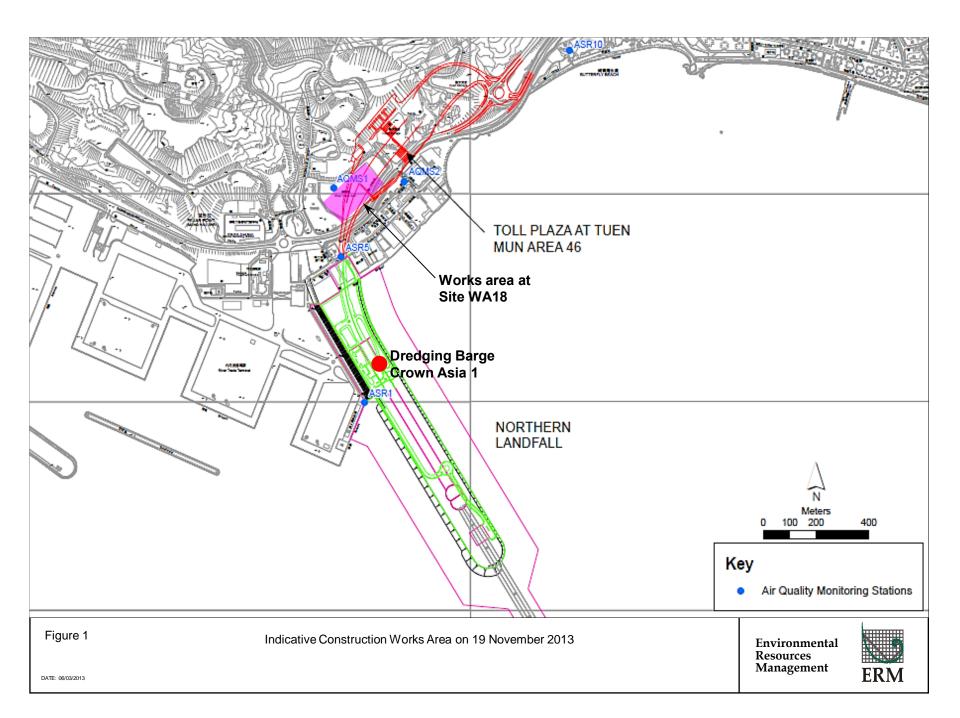
ERM-Hong Kong, Limited



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

Air Quality Impact Monitoring Notification of Exceedance

Notification of Exceedance												
Log No.												
	0212330)_19November2013_1hrTSP_Station ASR5										
		[Total No. of Exceedances = 2]										
Date		19 November 2013 (Measured)										
	26 Novem	ber 2013 (Laboratory results received by ERM)										
Monitoring Station	ASR1, ASR5											
Parameter(s) with		1-hr TSP										
Exceedance(s)												
Action Levels	1-hr TSP (μ g/m ³)	ASR1 = 331										
		ASR5 = 340										
Limit Levels	1-hr TSP (μg/m³)	500										
Measured Levels		rved at ASR1 (363 µg/m³) during 09:33-10:33 hrs.										
		rved at ASR5 (400 µg/m³) during 08:20-09:20 hrs.										
Works Undertaken (at		redging works were carried out by one dredger Crown Asia 1 at										
the time of monitoring	Portion N-a.											
event)	1	g 08:20-10:33, dredging was undertaken by one dredger. At Site										
		on for site formation were undertaken. Erection of chain link fence										
	and site hoarding were also bein	-										
Possible Reason for	1	be due to the Project, in view of the following:										
Action or Limit Level		on Level was observed at ASR1, the average 1-hr TSP level										
Exceedance(s)	1	ing station on 19 November 2013 was in compliance with the Action										
		se, average 1-hr TSP level at ASR5 (319μg/m³) was also in										
	-	n and Limit Levels on 19 November 2013. The 1-hr TSP at ASR1										
		l below the Action/Limit Levels on the same day.										
		onstruction works were carried out at the same locations on 13th										
		hber 2013 while no exceedance was recorded on these two days.										
	_	or's work activity schedule, marine dredging works at Portion N-a										
	, , ,	astruction works area. At Site WA 18, the level of construction										
		minor and is thus not considered to induce the observed exceedance										
	directly.	1.1.1.1.1.1										
		ded wind direction (ranged between 104° and 134°, blowing to a										
	_ ·	d wind speed (ranged from 1.18 to 1.68 m/s) during the period of										
		ances, Stations ASR1 and ASR5 are located upstream of the major										
		redging barge Crown Asia 1 at Portion N-a, thus should not be										
		, generated by the concerned construction activities.										
	-	(Section 4.2.3), the background value of Tuen Mun is higher than										
		Cong, thus the exceedance may be also contributed cumulatively by										
	the other construction works / traffic within the Tuen Mun Area rather than causing by the construction works of the Project.											
Actions Taken / To Be		ensure all dust mitigating measures are provided at WA 18. The										
Taken	ET will monitor for future trends											
Remarks		ions of air quality monitoring stations, wind data and construction										
ACIII MI IAO	works schedule are attached.	and or all quality mornioring stations, which data and construction										
	works scriedure are attached.											



Project	Works	Date	Station	Weather	Start time	End Time	Parameters	Results	units
					(hh:mm, 24hour)	(hh:mm, 24hour)			
TMCLKL	HY/2012/08	2013-11-13	AQMS1	S	10:47	11:47	1-hour TSP	46	μg/m³
TMCLKL	HY/2012/08	2013-11-13	AQMS1	S	09:45	10:45	1-hour TSP	38	μg/m ³
TMCLKL	HY/2012/08	2013-11-13	AQMS1	S	08:43	09:43	1-hour TSP	81	μg/m³
TMCLKL	HY/2012/08	2013-11-13	ASR10	S	10:04	11:04	1-hour TSP	60	µg/m³
TMCLKL	HY/2012/08	2013-11-13	ASR10	S	09:02	10:02	1-hour TSP	87	μg/m ³
TMCLKL	HY/2012/08	2013-11-13	ASR10	S	08:00	09:00	1-hour TSP	184	μg/m³
TMCLKL	HY/2012/08	2013-11-13	AQMS2	S	08:10	09:10	1-hour TSP	167	µg/m³
TMCLKL	HY/2012/08	2013-11-13	AQMS2	S	10:14	11:14	1-hour TSP	81	µg/m³
TMCLKL	HY/2012/08	2013-11-13	AQMS2	S	09:12	10:12	1-hour TSP	69	μg/m³
TMCLKL	HY/2012/08	2013-11-13	ASR5	S	10:24	11:24	1-hour TSP	85	µg/m³
TMCLKL	HY/2012/08	2013-11-13	ASR5	S	09:22	10:22	1-hour TSP	122	µg/m³
TMCLKL	HY/2012/08	2013-11-13	ASR5	S	08:20	09:20	1-hour TSP	88	μg/m ³
TMCLKL	HY/2012/08	2013-11-13	ASR1	S	09:34	10:34	1-hour TSP	69	μg/m³
TMCLKL	HY/2012/08	2013-11-13	ASR1	S	08:32	09:32	1-hour TSP	79	µg/m³
TMCLKL	HY/2012/08	2013-11-13	ASR1	S	10:36	11:36	1-hour TSP	73	µg/m³
TMCLKL	HY/2012/08	2013-11-19	AQMS1	S	08:42	09:42	1-hour TSP	203	µg/m³
TMCLKL	HY/2012/08	2013-11-19	AQMS1	S	09:44	10:44	1-hour TSP	204	μg/m³
TMCLKL	HY/2012/08	2013-11-19	AQMS1	S	10:46	11:46	1-hour TSP	159	μg/m ³
TMCLKL	HY/2012/08	2013-11-19	ASR1	S	08:31	09:31	1-hour TSP	322	μg/m ³
TMCLKL	HY/2012/08	2013-11-19	ASR1	S	09:33	10:33	1-hour TSP	363	µg/m³
TMCLKL	HY/2012/08	2013-11-19	ASR1	S	10:25	11:25	1-hour TSP	298	μg/m ³
TMCLKL	HY/2012/08	2013-11-19	ASR5	S	08:20	09:20	1-hour TSP	400	μg/m ³
TMCLKL	HY/2012/08	2013-11-19	ASR5	S	09:22	10:22	1-hour TSP	297	μg/m ³
TMCLKL	HY/2012/08	2013-11-19	ASR5	S	10:24	11:24	1-hour TSP	261	µg/m³
TMCLKL	HY/2012/08	2013-11-19	ASR6	S	08:10	09:10	1-hour TSP	270	μg/m ³
TMCLKL	HY/2012/08	2013-11-19	ASR6	S	09:12	10:12	1-hour TSP	274	µg/m³
TMCLKL	HY/2012/08	2013-11-19	ASR6	S	10:14	11:14	1-hour TSP	271	µg/m³

TMCLKL	HY/2012/08	2013-11-19	ASR10	S	08:00	09:00	1-hour TSP	173	μg/m³
TMCLKL	HY/2012/08	2013-11-19	ASR10	S	09:02	10:02	1-hour TSP	119	µg/m³
TMCLKL	HY/2012/08	2013-11-19	ASR10	S	10:04	11:04	1-hour TSP	143	μg/m³
TMCLKL	HY/2012/08	2013-11-25	AQMS1	S	08:49	09:49	1-hour TSP	142	μg/m³
TMCLKL	HY/2012/08	2013-11-25	AQMS1	S	09:51	10:51	1-hour TSP	163	μg/m³
TMCLKL	HY/2012/08	2013-11-25	AQMS1	S	10:53	11:53	1-hour TSP	147	μg/m³
TMCLKL	HY/2012/08	2013-11-25	ASR1	S	08:37	09:37	1-hour TSP	142	μg/m³
TMCLKL	HY/2012/08	2013-11-25	ASR1	S	09:39	10:39	1-hour TSP	182	µg/m³
TMCLKL	HY/2012/08	2013-11-25	ASR1	S	10:41	11:41	1-hour TSP	182	µg/m³
TMCLKL	HY/2012/08	2013-11-25	ASR5	S	08:25	09:25	1-hour TSP	214	µg/m³
TMCLKL	HY/2012/08	2013-11-25	ASR5	S	09:27	10:27	1-hour TSP	268	µg/m³
TMCLKL	HY/2012/08	2013-11-25	ASR5	S	10:29	11:29	1-hour TSP	299	µg/m³
TMCLKL	HY/2012/08	2013-11-25	AQMS2	S	08:16	09:16	1-hour TSP	137	µg/m³
TMCLKL	HY/2012/08	2013-11-25	AQMS2	S	09:18	10:18	1-hour TSP	127	µg/m³
TMCLKL	HY/2012/08	2013-11-25	AQMS2	S	10:20	11:20	1-hour TSP	168	μg/m³
TMCLKL	HY/2012/08	2013-11-25	ASR10	S	08:05	09:05	1-hour TSP	96	µg/m³
TMCLKL	HY/2012/08	2013-11-25	ASR10	S	09:07	10:07	1-hour TSP	107	µg/m³
TMCLKL	HY/2012/08	2013-11-25	ASR10	S	10:09	11:09	1-hour TSP	93	μg/m³

Date: 19-Nov-2013

	Data	
Time	Average of Wind direction	Average of Wind speed
0:00	227	0.47
1:00	174	0.83
2:00	226	0.83
3:00	152	1.41
4:00	129	1.67
5:00	131	1.68
6:00	94	1.62
7:00	109	1.90
8:00	106	1.68
9:00	133	1.25
10:00	104	1.24
11:00	134	1.18
12:00	150	1.22
13:00	97	1.47
14:00	99	1.52
15:00	107	1.84
16:00	104	1.98
17:00	95	1.59
18:00	86	1.94
19:00	97	1.42
20:00	108	0.98
21:00	100	1.62
22:00	132	1.17
23:00	88	1.45
Grand Total	124	1.41

Cont. No.: HY/2012/08 - Tuen Mum - Chek Lap Kok Link Northern Connection Sub-Sea Tunnel Section

Item no.	Description	Date of start	Date of finish	Duration	Incharge	Nov																				
									Wk	46			Wk 47					Wk 48								
						1 2	2 3	4 5	6	7	8 9	10	11 1	2 13	14 1	.5 16	17	18 1	9 20	21	22 23	24	25 26	27 2	8 29	30 1
						F S	S	МТ	w	Т	F S	S	МТ	· w	ТІ	F S	S	м	гw	Т	F S	S	мт	w ·	ГЕ	s s
1.1.1	General site clearance	07/10/2013	12/10/2013	6	DBJV																				#	
	Utilities Detection																							П	\prod	
1.1.2	Utilities survey / detection	15/10/2013	17/10/2013	3	APC																					
	Chain Link Fence / Hoarding																									
1.1.3	Survey setting out - chain link fence / site hoarding / main gates	10/10/2013	11/10/2013	2	DBJV																					
1.1.4	Erection of chain link fence / site hoarding / main gates	01/11/2013	23/11/2013	23	HouTai																					
	Site Formation																									
1.1.5	Tendering of site formation (excavation / ground slab)	07/10/2013	26/10/2013	20	DBJV																					
1.1.6	Survey setting out - Drainage works	28/10/2013	02/11/2013	6	DBJV																					
1.1.7	Site formation (Excavation / drainage)	01/11/2013	30/11/2013	30	HouTai																					
	Temp. outdoor 11kv substation																						\perp			
1.1.8	Tendering of site formation (outdoor 11kV substation)	07/10/2013	26/10/2013	20	DBJV																					
1.1.9	Survey setting out - outdoor 11kV substation	28/10/2013	02/11/2013	6	DBJV																					
1.1.10	Temporary outdoor substation (11kV)	04/11/2013	14/12/2013	41	Ming Fai																					
	Site Office																									
1.1.11	Design caculation and submission for approval	25/10/2013	02/11/2013	9	KONWO																					
1.1.12	Material submission	28/10/2013	02/11/2013	6	KONWO																					
1.1.13	Site formation (foundation / concrete slab)	04/11/2013	23/11/2013	20	KONWO																					
1.1.14	Assembly of site office including ABWF, E&M, Data cabling and furnitures (DBJV)	11/11/2013	11/01/2014	62	KONWO																					
1.1.15	Assembly of site office including ABWF, E&M, Data cabling and furnitures (SOR)	11/11/2013	15/02/2014	97	KONWO																					

Appendix M

Waste Flow Table



Name of Department:	HyD	Contract No. / Works Order No.:	HY/2012/08
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Monthly Summary Waste Flow Table for November 2013 [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.)

			Actual Quar	ntities of <u>Inert</u> Cons	struction Waste Ge	nerated Monthly		
Month	(a)=(b)+(c)+(d)+(e) Total Quantity Generated	(b) Hard Rock and Large Broken Concrete	(c) Reused in the Contract	(d) Reused in other Projects	(e) Disposed of as Public Fill	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)
Jan								
Feb								
Mar								
Apr								
May								
Jun								
Sub-total								
Jul								
Aug								
Sep	0.000	0.000	0.000	0.000	0.000	2.608	0.000	0.000
Oct	0.000	0.000	0.000	0.000	0.000	21.997	0.000	0.000
Nov	2.835	0.000	0.000	0.000	2.835	53.471	21.100	13.200
Dec								
Total	2.835	0.000	0.000	0.000	2.835	78.076	21.100	13.200

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Actual Quantities of Non-inert Construction Waste Generated Monthly Plastics Others, e.g. General Refuse Paper/ cardboard packaging Metals Chemical Waste (see Note 3) disposed at Landfill Month (in '000kg) (in '000kg) (in '000kg) (in '000kg) (in '000ton) recycled recycled recycled recycled generated generated generated generated generated Jan Feb Mar Apr May Jun Sub-total Jul Aug Sep 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.008 Oct 0.000 0.000 0.012 0.012 0.000 0.000 0.000 0.000 0.000 Nov 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.152 Dec 0.000 0.000 0.012 0.012 0.000 0.000 0.000 0.000 0.160 Total



	Forecast of	of Total Quantities of	Construction and Dem	olition Materials to b	e Generated from the C	ontract*	
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)
10.000	0.000	0.000	0.000	10.000	50.000	20.000	20.000

For	ecast of Total Quantities of Constru	action and Demolition Mate	erials 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.
- 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).

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