

China Harbour Engineering Company Limited

Contract No. HY/2010/02

Hong Kong – Zhuhai – Macao Bridge Hong Kong Boundary Crossing Facilities – Reclamation Works

Monthly EM&A Report for September 2015

[10/2015]

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Version:	Rev. 0	Date:	14 October 2015

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Ref.: HYDHZMBEEM00_0_3467L.15

15 October 2015

By Fax (3698 5999) and By Post

Ove Arup & Partners Chief Resident Engineer's Office 5 Ying Hei Road, Tung Chung, Lantau Hong Kong

Attention: Mr. Paul Appleton

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/2010/02 - HZMB HKBCF - Reclamation Works

Monthly Environmental Monitoring & Audit Report for September 2015

Reference is made to the Environmental Team's submission of Monthly Environmental Monitoring & Audit Report for September 2015 certified by the ET Leader (ET's ref.: "60249820/C/RMKY15101401" dated 14 October 2015) and provided to us via e-mail on 14 October 2015.

We are pleased to inform you that we have no adverse comment on the captioned report. We write to verify the captioned submission in accordance with Condition 5.4 of EP-353/2009/I and Condition 4.4 of EP-354/2009/D (for TM-CLKL Southern Landfall Reclamation only).

As per Condition 1.7 of EPs, please be reminded to keep in view on the site condition, in particular in the vicinity of Portion B with your on-going surveillance and monitoring.

Thank you very much for your attention and please feel free to contact the undersigned should you require further information.

Yours faithfully, For and on behalf of

Ramboll Environ Hong Kong Limited

Raymond Dai

Independent Environmental Checker

c.c. HyD Mr. Matthew Fung (By Fax: 3188 6614)
HyD Mr. Wai-Ping Lee (By Fax: 3188 6614)
AECOM Ms. Echo Leong (By Fax: 2317 7609)
CHEC Mr. Lim Kim Chuan (By Fax: 2578 0413)

Internal: DY, YH, LP, CL, ENPO Site

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TABLE OF CONTENTS

			Page
EXE	CUTI	VE SUMMARY	3
1	INTR	ODUCTION	5
	1.1 1.2 1.3 1.4 1.5	Background Scope of Report Project Organization Summary of Construction Works Summary of EM&A Programme Requirements	5 5 6 6 7
2	AIR C	QUALITY MONITORING	8
	2.1 2.2 2.3 2.4 2.5 2.6 2.7	Monitoring Requirements Monitoring Equipment Monitoring Locations Monitoring Parameters, Frequency and Duration Monitoring Methodology Monitoring Schedule for the Reporting Month Results and Observations	8 8 10 10 12 12
3	NOIS	E MONITORING	13
	3.1 3.2 3.3 3.4 3.5 3.6 3.7	Monitoring Requirements Monitoring Equipment Monitoring Locations Monitoring Parameters, Frequency and Duration Monitoring Methodology Monitoring Schedule for the Reporting Month Monitoring Results	13 13 13 14 14 14 15
4	WAT	ER QUALITY MONITORING	16
	4.1 4.2 4.3 4.4 4.5 4.6	Monitoring Requirements Monitoring Equipment Monitoring Parameters, Frequency and Duration Monitoring Locations Monitoring Methodology Monitoring Schedule for the Reporting Month	16 16 16 17 18 19
5	DOLE	PHIN MONITORING	23
	5.1 5.2 5.3 5.4 5.5 5.6 5.7	Monitoring Requirements Monitoring Equipment Monitoring Frequency and Conditions Monitoring Methodology and Location Monitoring Procedures Monitoring Schedule for the Reporting Month Results and Observations	23 23 23 23 25 25 25
6	ENVI	RONMENTAL SITE INSPECTION AND AUDIT	29
	6.1 6.2 6.3 6.4 6.5 6.6	Site Inspection Advice on the Solid and Liquid Waste Management Status Environmental Licenses and Permits Implementation Status of Environmental Mitigation Measures Summary of Exceedances of the Environmental Quality Performance Limit Summary of Complaints, Notification of Summons and Successful Prosecutions	29 31 32 32 33 33
7	FUTU	JRE KEY ISSUES	34
	7.2 7.3 7.4	Construction Programme for the Coming Months Key Issues for the Coming Month Monitoring Schedule for the Coming Month	34 35 35
8	CON	CLUSIONS AND RECOMMENDATIONS	36

Table 1.1	Contact Information of Key Personnel
Table 2.1	Air Quality Monitoring Equipment
Table 2.2	Locations of Impact Air Quality Monitoring Stations
Table 2.3	Air Quality Monitoring Parameters, Frequency and Duration
Table 2.4	Summary of 1-hour TSP Monitoring Results in the Reporting Period
Table 2.5	Summary of 24-hour TSP Monitoring Results in the Reporting Period
Table 3.1	Noise Monitoring Equipment
Table 3.2	Locations of Impact Noise Monitoring Stations
Table 3.3	Noise Monitoring Parameters, Frequency and Duration
Table 3.4	Summary of Construction Noise Monitoring Results in the Reporting Period
Table 4.1	Water Quality Monitoring Equipment
Table 4.2	Impact Water Quality Monitoring Parameters and Frequency
Table 4.3	Impact Water Quality Monitoring Stations
Table 4.4	Laboratory Analysis for Suspended Solids
Table 4.5	Summary of Water Quality Exceedances
Table 5.1	Dolphin Monitoring Equipment
Table 5.2	Impact Dolphin Monitoring Line Transect Co-ordinates (Provided by AFCD)
Table 5.3	Impact Dolphin Monitoring Survey Effort Summary, Effort by Area and Beaufort Sea State
Table 5.4	Impact Dolphin Monitoring Survey Details September 2015
Table 5.5	The Encounter Rate of Number of Dolphin Sightings & Total Number of Dolphins per Area^
Table 6.1	Summary of Environmental Licensing and Permit Status

Figures

Figure 1	General Project Layout Plan
Figure 2	Impact Air Quality and Noise Monitoring Stations and Wind Station
Figure 3	Impact Water Quality Monitoring Stations
Figure 4	Impact Dolphin Monitoring Line Transect Layout Map
Figure 5	Impact Dolphin Monitoring Survey Efforts and Sightings in September 2015
Figure 6	Environmental Complaint Handling Procedures

Project Organization for Environmental Works

List of Appendices

Appendix A

	· · · · · · · · · · · · · · · · · · ·
Appendix B	Three Month Rolling Construction Programmes
Appendix C	Implementation Schedule of Environmental Mitigation Measures (EMIS)
Appendix D	Summary of Action and Limit Levels
Appendix E	Calibration Certificates of Monitoring Equipments
Appendix F	EM&A Monitoring Schedules
Appendix G	Impact Air Quality Monitoring Results and their Graphical Presentation
Appendix H	Meteorological Data for Monitoring Periods on Monitoring Dates in September 2015
Appendix I	Impact Construction Noise Monitoring Results and their Graphical Presentation
Appendix J	Impact Water Quality Monitoring Results and their Graphical Presentation
Appendix K	Impact Dolphin Monitoring Survey Sighting Summary
Appendix L	Event Action Plan
Appendix M	Monthly Summary of Waste Flow Table
Appendix N	Cumulative Statistics on Exceedances, Complaints, Notifications of Summons and Successful
	Prosecutions



EXECUTIVE SUMMARY

Contract No. HY/2010/02 – Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Reclamation Work (here below, known as "the Project") mainly comprises reclamation at the northeast of the Hong Kong International Airport of an area of about 130-hectare for the construction of an artificial island for the development of the Hong Kong Boundary Crossing Facilities (HKBCF), and about 19-hectare for the southern landfall of the Tuen Mun - Chek Lap Kok Link (TMCLKL). It is a designated project and is governed by the current permits for the Project, i.e. the amended Environmental Permits (EPs) issued on 17 July 2015 (EP-353/2009/I) and 13 March 2015 (EP-354/2009/D) (for TMCLKL Southern Landfall Reclamation only).

Ove Arup & Partners Hong Kong Limited (Arup) was appointed by Highways Department (HyD) as the consultants for the design and construction assignment for the Project's reclamation works (i.e. the Engineer for the Project).

China Harbour Engineering Company Limited (CHEC) was awarded by HyD as the Contractor to undertake the construction work of the Project.

Ramboll Environ Hong Kong Limited. was employed by HyD as the Independent Environmental Checker (IEC) and Environmental Project Office (ENPO) for the Project.

AECOM Asia Co. Ltd. (AECOM) was appointed by CHEC to undertake the role of Environmental Team for the Project for carrying out the environmental monitoring and audit (EM&A) works.

The construction phase of the Project under the EPs was commenced on 12 March 2012 and will be tentatively completed by early Year 2016. The EM&A programme, including air quality, noise, water quality and dolphin monitoring and environmental site inspections, was commenced on 12 March 2012.

This report documents the findings of EM&A works conducted in the period between 1 and 30 September 2015. As informed by the Contractor, major activities in the reporting period were:-

Marine-base

- Rock fill
- Marine fill
- Maintenance of silt curtain & silt screen at sea water intake of HKIA

Land-base

- Surcharge removal & laying
- Deep Cement Mixing
- Removal of Temporary Seawall
- Vertical Band Drains
- Installations of Precast Culverts except sloping outfalls
- Maintenance works of Site Office at Works Area WA2
- Maintenance works of Public Works Regional Laboratory at Works Area WA3
- Maintenance of Temporary Marine Access at Works Area WA2

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

24-hour Total Suspended Particulates (TSP) monitoring6 sessions1-hour TSP monitoring6 sessionsNoise monitoring5 sessionsImpact water quality monitoring13 sessionsImpact dolphin monitoring2 surveysJoint Environmental site inspection4 sessions

Breaches of Action and Limit Levels for Air Quality

For impact air quality monitoring, no exceedance of 1-Hour TSP or 24-Hour TSP was recorded at all monitoring stations in the reporting month.

Breaches of Action and Limit Levels for Noise

For construction noise, no exceedance was recorded at all monitoring stations in the reporting month.

Breaches of Action and Limit Levels for Water Quality

For water quality, one (1) Action Level Exceedance of SS at SR7 during flood tide was recorded on 30 September 2015. After investigation, there is no adequate information to conclude the recorded exceedance is related to this Contract. No Action and Limit Level exceedance was recorded on other monitoring date in the reporting month.

Impact Dolphin Monitoring

A total of two sightings were made, both "on effort". Both sightings were recorded on the 7 September 2015. Sighting details are summarised and plotted in Appendix K and Figure 5c, respectively. The first group sighted on the 7 September 2015 comprised one individual and the second, four individuals.

Behaviour: On the 7 September 2015, the behaviour of the first sighting made was noted as travelling and the second group was engaged in multiple activities; feeding, surface active and travelling. No calves were sighted during impact surveys in September 2015. Locations of sighting with different behaviour are mapped in Figure 5d.

Complaint, Notification of Summons and Successful Prosecution

No notification of complaint, summons or prosecution was received in the reporting period

Reporting Change

There was no reporting change required in the reporting period.

Future Key Issues

Key issues to be considered in the coming month included:

- Site runoff should be properly collected and treated prior to discharge;
- Minimize loss of sediment from filling works;
- Regular review and maintenance of silt curtain systems, drainage systems and desilting facilities;
- Exposed surfaces/soil stockpiles should be properly treated to avoid generation of silty surface run-off during rainstorm;
- Regular review and maintenance of wheel washing facilities provided at all site entrances/exits;
- Conduct regular inspection of various working machineries and vessels within works areas to avoid any dark smoke emission;
- Suppress dust generated from work processes with use of bagged cements, earth movements, excavation activities, exposed surfaces/soil stockpiles and haul road traffic:
- Quieter powered mechanical equipment should be used;
- Provision of proper and effective noise control measures for operating equipment and machinery on-site, such as erection of movable noise barriers or enclosure for noisy plants:
- Closely check and replace the sound insulation materials regularly;
- Better scheduling of construction works to minimize noise nuisance;
- Properly store and label oil drums and chemical containers placed on site:
- Proper chemicals, chemical wastes and wastes management;
- Maintenance works should be carried out within roofed, paved and confined areas;
- Collection and segregation of construction waste and general refuse on land and in the sea should be carried out properly and regularly; and
- Proper protection and regular inspection of existing trees, transplanted/retained trees.
- Control night-time lighting and glare by hooding all lights.
- Regular review and provide maintenance to dust control measures such as sprinkler system.



1 INTRODUCTION

1.1 Background

- 1.1.1 Contract No. HY/2010/02 Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities Reclamation Work (here below, known as "the Project") mainly comprises reclamation at the northeast of the Hong Kong International Airport of an area of about 130-hectare for the construction of an artificial island for the development of the Hong Kong Boundary Crossing Facilities (HKBCF), and about 19-hectare for the southern landfall of the Tuen Mun Chek Lap Kok Link (TMCLKL).
- 1.1.2 The environmental impact assessment (EIA) reports (Hong Kong Zhuhai Macao Bridge Hong Kong Boundary Crossing Facilities EIA Report (Register No. AEIAR-145/2009) (HKBCFEIA) and Tuen Mun Chek Lap Kok Link EIA Report (Register No. AEIAR-146/2009) (TMCLKLEIA), and their environmental monitoring and audit (EM&A) Manuals (original EM&A Manuals), for the Project were approved by Environmental Protection Department (EPD) in October 2009.
- 1.1.3 EPD subsequently issued the Environmental Permit (EP) for HKBCF in November 2009 (EP-353/2009) and the Variation of Environmental Permit (VEP) in June 2010 (EP-353/2009/A), November 2010 (EP-353/2009/B), November 2011 (EP-353/2009/C), March 2012 (EP-353/2009/D), October 2012 (EP-353/2009/E), April 2013 (EP-353/2009/F), August 2013 (EP-353/2009/G), January 2015 (EP-353/2009/H) and July 2015 (EP-353/2009/I). Similarly, EPD issued the Environmental Permit (EP) for TMCLKL in November 2009 (EP-354/2009) and the Variation of Environmental Permit (VEP) in December 2010 (EP-354/2009/A), January 2014 (EP-354/2009/B), December 2014 (EP-354/2009/C) and March 2015 (EP-354/2009/D).
- 1.1.4 The Project is a designated project and is governed by the current permits for the Project, i.e. the amended EPs issued on 17 July 2015 (EP-353/2009/I) and 13 March 2015 (EP-354/2009/D) (for TMCLKL Southern Landfall Reclamation only).
- 1.1.5 A Project Specific EM&A Manual, which included all project-relation contents from the original EM&A Manuals for the Project, was issued in May 2012.
- 1.1.6 Ove Arup & Partners Hong Kong Limited (Arup) was appointed by Highways Department (HyD) as the consultants for the design and construction assignment for the Project's reclamation works (i.e. the Engineer for the Project).
- 1.1.7 China Harbour Engineering Company Limited (CHEC) was awarded by HyD as the Contractor to undertake the construction work of the Project.
- 1.1.8 Ramboll Environ Hong Kong Limited. was employed by HyD as the Independent Environmental Checker (IEC) and Environmental Project Office (ENPO) for the Project.
- 1.1.9 AECOM Asia Co. Ltd. (AECOM) was appointed by CHEC to undertake the role of Environmental Team for the Project for carrying out the EM&A works.
- 1.1.10 The construction phase of the Project under the EPs was commenced on 12 March 2012 and will be tentatively completed by early Year 2016.
- 1.1.11 According to the Project Specific EM&A Manual, there is a need of an EM&A programme including air quality, noise, water quality and dolphin monitoring and environmental site inspections. The EM&A programme of the Project commenced on 12 March 2012.

1.2 Scope of Report

1.2.1 This is the forty-third monthly EM&A Report under the Contract No.HY/2010/02 Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Reclamation Works. This report presents a summary of the environmental monitoring and audit works, list of activities and mitigation measures proposed by the ET for the Project in September 2015.



1.3 Project Organization

1.3.1 The project organization structure is shown in Appendix A. The key personnel contact names and numbers are summarized in Table 1.1.

Table 1.1 Contact Information of Key Personnel

Party	Position	Name	Telephone	Fax
Engineer's Representative (ER) (Ove Arup & Partners Hong Kong Limited)	Chief Resident Engineer	Roger Marechal (Effective between 1 – 15 September 2015)	3698 5700	2698 5999
Engineer's Representative (ER) (Ove Arup & Partners Hong Kong Limited)	Chief Resident Engineer	Paul Appleton (Effective 16 September 2015 onward)		2698 5999
IEC / ENPO	Independent Environmental Checker	Raymond Dai	3465 2888	3465 2899
(Ramboll Environ Hong Kong Limited)	Environmental Project Office Leader	Y. H. Hui	3547 2133	3465 2899
Contractor (China Harbour	Environmental Officer	Louie Chan	36932254	2578 0413
`Engineering Company Limited)	24-hour Hotline	Alan C.C. Yeung	9448 0325	
ET (AECOM Asia Company Limited)	ET Leader	Echo Leong	3922 9280	2317 7609

1.4 Summary of Construction Works

- 1.4.1 The construction phase of the Project under the EP commenced on 12 March 2012.
- 1.4.2 As informed by the Contractor, details of the major works carried out in this reporting period are listed below:-

Marine-base

- Rock fill
- Marine fill
- Maintenance of silt curtain & silt screen at sea water intake of HKIA

Land-base

- Surcharge removal & laying
- Deep Cement Mixing
- Removal of Temporary Seawall
- Vertical Band Drains
- Installations of Precast Culverts except sloping outfalls

Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Reclamation Works

- Maintenance works of Site Office at Works Area WA2
- Maintenance works of Public Works Regional Laboratory at Works Area WA3
- Maintenance of Temporary Marine Access at Works Area WA2
- 1.4.3 The 3-month rolling construction programme of the Project is shown in Appendix B.
- 1.4.4 The general layout plan of the Project site showing the detailed works areas is shown in Figure 1.
- 1.4.5 The environmental mitigation measures implementation schedule are presented in Appendix C.

1.5 Summary of EM&A Programme Requirements

- 1.5.1 The EM&A programme required environmental monitoring for air quality, noise, water quality, marine ecology and environmental site inspections for air quality, noise, water quality, waste management, marine ecology, and landscape and visual impact. The EM&A requirements for each parameter described in the following sections include:-
 - All monitoring parameters:
 - Monitoring schedules for the reporting month and forthcoming month;
 - Action and Limit levels for all environmental parameters:
 - Event / Action Plan:
 - Environmental mitigation measures, as recommended in the Project EIA reports; and
 - Environmental requirement in contract documents.

2 AIR QUALITY MONITORING

2.1 Monitoring Requirements

2.1.1 In accordance with the Project Specific EM&A Manual, baseline 1-hour and 24-hour Total Suspended Particulates (TSP) levels at 4 air quality monitoring stations were established. Impact 1-hour TSP monitoring was conducted for at least three times every 6 days, while impact 24-hour TSP monitoring was carried out for at least once every 6 days. The Action and Limit level of the air quality monitoring is provided in Appendix D.

2.2 Monitoring Equipment

2.2.1 24-hour TSP air quality monitoring was performed using High Volume Sampler (HVS) located at each designated monitoring station. The HVS meets all the requirements of the Project Specific EM&A Manual. Portable direct reading dust meters were used to carry out the 1-hour TSP monitoring. Brand and model of the equipment is given in Table 2.1.

Table 2.1 Air Quality Monitoring Equipment

Equipment	Brand and Model	
Portable direct reading dust meter (1-hour TSP)	Sibata Digital Dust Monitor (Model No. LD-3 and LD-3B)	
High Volume Sampler (24-hour TSP)	Tisch Environmental Mass Flow Controlled Total Suspended Particulate (TSP) High Volume Air Sampler (Model No. TE-5170)	

2.3 Monitoring Locations

- 2.3.1 Monitoring locations AMS2 and AMS7 were set up at the proposed locations in accordance with Project Specific EM&A Manual. For AMS6 (Dragonair/CNAC (Group) Building), permission on setting up and carrying out impact monitoring works was sought, however, access to the premise has not been granted yet on this report issuing date. For monitoring location AMS3 (Ho Yu College), as proposed in the Project Specific EM&A Manual, approval for carrying out impact monitoring could not be obtained from the principal of the school. Permission on setting up and carrying out impact monitoring works at nearby sensitive receivers, like Caribbean Coast and Coastal Skyline, was also sought. However, approvals for carrying out impact monitoring works within their premises were not obtained. Impact air quality monitoring was conducted at site boundary of the site office area in Works Area WA2 (AMS3B) respectively. Same baseline and Action Level for air quality, as derived from the baseline monitoring data recorded at Ho Yu College, was adopted for this alternative air quality location.
- 2.3.2 It was observed that a tree near AMS3B may affect the wind flow around the HVS located at AMS3B. With no further comment received from IEC, the HVS at AMS3B has been relocated on 8 September 2014 to slightly more than 2 meters separation from it, measured horizontally. Same baseline and Action Level for air quality, as derived from the baseline monitoring data recorded at Ho Yu College, was adopted for this alternative air quality location.
- 2.3.3 Reference is made to ET's proposal of the omission of air monitoring station (AMS 6) dated on 1 November 2012 and EPD's letter dated on 19 November 2012 regarding the conditional approval of the proposed omission of air monitoring station (AMS 6) for Contract No. HY/2010/02. The aforesaid omission of Monitoring Station AMS6 is effective since 19 November 2012.
- 2.3.4 Reference is made to ET's proposal of relocation of air quality monitoring station (AMS7) dated on 2 February 2015, with no further comment received from IEC on 2 February 2015 and no objection received from EPD on 5 February 2015, the impact air quality monitoring station AMS7 (Hong Kong SkyCity Marriott Hotel) has been relocated to AMS7A (Chu Kong Air-Sea Union Transportation Company Limited) on 3 February 2015. Action Level for air quality, as derived from the baseline monitoring data recorded at Hong Kong SkyCity Marriott Hotel, was adopted for this alternative air quality location.



2.3.5 Figure 2 shows the locations of monitoring stations. Table 2.2 describes the details of the monitoring stations.

Table 2.2Locations of Impact Air Quality Monitoring Stations

Monitoring Station	Location	Description	
AMS2	Tung Chung Development Pier	Rooftop of the premise	
AMS3B Site Boundary of Site Office Area at Works Area WA2		On ground at the area boundary	
AMS6*	Dragonair/CNAC (Group) Building	On ground at boundary of the premise	
AMS7A	Chu Kong Air-Sea Union Transportation Company Limited	On ground at boundary of the premise	

^{*}Remarks: Reference is made to EPD conditional approval of the omission of air monitoring station (AMS 6) for the project. The omission will be effective on 19 November 2012.

2.4 Monitoring Parameters, Frequency and Duration

2.4.1 Table 2.3 summarizes the monitoring parameters, frequency and duration of impact TSP monitoring.

Table 2.3 Air Quality Monitoring Parameters, Frequency and Duration

Parameter	Frequency and Duration		
1-hour TSP	Three times every 6 days while the highest dust impact was expected		
24-hour TSP	Once every 6 days		

2.5 Monitoring Methodology

2.5.1 24-hour TSP Monitoring

- (a) The HVS was installed in the vicinity of the air sensitive receivers. The following criteria were considered in the installation of the HVS.
 - (i) A horizontal platform with appropriate support to secure the sampler against gusty wind was provided.
 - (ii) No two samplers should be placed less than 2 meters apart.
 - (iii) The distance between the HVS and any obstacles, such as buildings, was at least twice the height that the obstacle protrudes above the HVS.
 - (iv) A minimum of 2 meters separation from walls, parapets and penthouse for rooftop sampler.
 - (v) A minimum of 2 meters separation from any supporting structure, measured horizontally is required.
 - (vi) No furnace or incinerator flues nearby.
 - (vii) Airflow around the sampler was unrestricted.
 - (viii) Permission was obtained to set up the samplers and access to the monitoring stations.
 - (ix) A secured supply of electricity was obtained to operate the samplers.
 - (x) The sampler was located more than 20 meters from any dripline.
 - (xi) Any wire fence and gate, required to protect the sampler, did not obstruct the monitoring process.
 - (xii) Flow control accuracy was kept within ±2.5% deviation over 24-hour sampling period.

(b) Preparation of Filter Papers

- (i) Glass fibre filters, G810 were labelled and sufficient filters that were clean and without pinholes were selected.
- (ii) All filters were equilibrated in the conditioning environment for 24 hours before weighing. The conditioning environment temperature was around 25 °C and not variable by more than ±3 °C; the relative humidity (RH) was < 50% and not variable by more than ±5%. A convenient working RH was 40%.



(iii) 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

- (i) The power supply was checked to ensure the HVS works properly.
- (ii) The filter holder and the area surrounding the filter were cleaned.
- (iii) 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.
- (iv) The filter was properly aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter.
- (v) 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.
- (vi) Then the shelter lid was closed and was secured with the aluminum strip.
- (vii) The HVS was warmed-up for about 5 minutes to establish run-temperature conditions.
- (viii) 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).
- (x) The programmable digital timer was set for a sampling period of 24 hrs, and the starting time, weather condition and the filter number were recorded.
- (xi) The initial elapsed time was recorded.
- (xii) 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.
- (xiii) The final elapsed time was recorded.
- (xiv) The sampled filter was removed carefully and folded in half length so that only surfaces with collected particulate matter were in contact.
- (xv) It was then placed in a clean plastic envelope and sealed.
- (xvi) All monitoring information was recorded on a standard data sheet.
- (xvii) Filters were then sent to ALS Technichem (HK) Pty Ltd. for analysis.

(d) Maintenance and Calibration

- (i) The HVS and its accessories were maintained in good working condition, such as replacing motor brushes routinely and checking electrical wiring to ensure a continuous power supply.
- (ii) 5-point calibration of the HVS was conducted using TE-5025A Calibration Kit prior to the commencement of baseline monitoring. Bi-monthly 5-point calibration of the HVS will be carried out during impact monitoring.
- (iii) Calibration certificate of the HVSs are provided in Appendix E.

2.5.2 1-hour TSP Monitoring

(a) Measuring Procedures

The measuring procedures of the 1-hour dust meter were in accordance with the Manufacturer's Instruction Manual as follows:-

- (i) Turn the power on.
- (ii) Close the air collecting opening cover.
- (iii) Push the "TIME SETTING" switch to [BG].
- (iv) Push "START/STOP" switch to perform background measurement for 6 seconds.
- (v) Turn the knob at SENSI ADJ position to insert the light scattering plate.
- (vi) Leave the equipment for 1 minute upon "SPAN CHECK" is indicated in the display.
- (vii) Push "START/STOP" switch to perform automatic sensitivity adjustment. This measurement takes 1 minute.
- (viii) Pull out the knob and return it to MEASURE position.
- (ix) Push the "TIME SETTING" switch the time set in the display to 3 hours.
- (x) Lower down the air collection opening cover.
- (xi) Push "START/STOP" switch to start measurement.



- (b) Maintenance and Calibration
 - (i) The 1-hour TSP meter was calibrated at 1-year intervals against a continuous particulate TEOM Monitor, Series 1400ab. Calibration certificates of the Laser Dust Monitors are provided in Appendix E.
 - (ii) 1-hour validation checking of the TSP meter against HVS is carried out on half-year basis at the air quality monitoring locations.

2.6 Monitoring Schedule for the Reporting Month

2.6.1 The schedule for air quality monitoring in September 2015 is provided in Appendix F.

2.7 Results and Observations

2.7.1 The monitoring results for 1-hour TSP and 24-hour TSP are summarized in Table 2.4 and 2.5 respectively. Detailed impact air quality monitoring results are presented in Appendix G.

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

	Average (μg/m³)	Range (μg/m³)	Action Level (μg/m³)	Limit Level (μg/m³)
AMS2	78	71-86	374	500
AMS3B	77	68-86	368	500
AMS7A	78	72-85	370	500

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

	Average (μg/m³)	Range (μg/m³)	Action Level (μg/m³)	Limit Level (μg/m³)
AMS2	34	11-69	176	260
AMS3B	39	23-70	167	260
AMS7A	50	22-81	183	260

- 2.7.2 The event action plan is annexed in Appendix L.
- 2.7.3 Meteorological information collected from the wind station during the monitoring periods on the monitoring dates, as shown in Figure 2, including wind speed and wind direction, is annexed in Appendix H.

NOISE MONITORING

3.1 Monitoring Requirements

3.1.1 In accordance with the Project Specific EM&A Manual, impact noise monitoring was conducted for at least once per week during the construction phase of the Project. The Action and Limit level of the noise monitoring is provided in Appendix D.

3.2 Monitoring Equipment

3.2.1 Noise monitoring was performed using sound level meter at each designated monitoring station. The sound level meters deployed comply with the International Electrotechnical Commission Publications (IEC) 651:1979 (Type 1) and 804:1985 (Type 1) specifications. Acoustic calibrator was deployed to check the sound level meters at a known sound pressure level. Brand and model of the equipment is given in Table 3.1.

Table 3.1 Noise Monitoring Equipment

Equipment	Brand and Model
Integrated Sound Level Meter	Rion NL-31 & B&K2238
Acoustic Calibrator	Rion NC-73 & B&K 4231

3.3 Monitoring Locations

- 3.3.1 Monitoring locations NMS2 was set up at the proposed locations in accordance with Project Specific EM&A Manual. However, for monitoring location NMS3 (Ho Yu College), as proposed in the Project Specific EM&A Manual, approval for carrying out impact monitoring could not be obtained from the principal of the school. Permission on setting up and carrying out impact monitoring works at nearby sensitive receivers, like Caribbean Coast and Coastal Skyline, was also sought. However, approvals for carrying out impact monitoring works within their premises were not obtained. Impact noise monitoring was conducted at site boundary of the site office area in Works Area WA2 (NMS3B) respectively. Same baseline noise level (as derived from the baseline monitoring data recorded at Ho Yu College) and Limit Level were adopted for this alternative noise monitoring location.
- 3.3.2 Figure 2 shows the locations of the monitoring stations. Table 3.2 describes the details of the monitoring stations.

Table 3.2 Locations of Impact Noise Monitoring Stations

Monitoring Station Location		Description	
NMS2	Seaview Crescent Tower 1	Free-field on the rooftop of the premise	
NMS3B	Site Boundary of Site Office Area at Works Area WA2	Free-field on ground at the area boundary.	

3.4 Monitoring Parameters, Frequency and Duration

3.4.1 Table 3.3 summarizes the monitoring parameters, frequency and duration of impact noise monitoring.

Table 3.3 Noise Monitoring Parameters, Frequency and Duration

Parameter	Frequency and Duration	
30-mins measurement at each monitoring station between 0700 and 1900 on normal weekdays (Monday to Saturday). L_{eq} , L_{10} and L_{90} would be recorded.	At least once per week	

3.5 **Monitoring Methodology**

3.5.1 Monitoring Procedure

- The sound level meter was set on a tripod at a height of 1.2 m above the ground for free-field (a) measurements at NMS2. A correction of +3 dB(A) shall be made to the free field measurements.
- All measurement at NMS3B were free field measurements in the reporting month at NMS3B. A (b) correction of +3 dB(A) shall be made to the free field measurements.
- The battery condition was checked to ensure the correct functioning of the meter. (c)
- Parameters such as frequency weighting, the time weighting and the measurement time were (d) set as follows:
 - frequency weighting: A (i)
 - time weighting: Fast (ii)
 - (iii) time measurement: $L_{eq(30-minutes)}$ during non-restricted hours i.e. 07:00 - 1900 on normal weekdays.
- (e) Prior to and after each noise measurement, the meter was calibrated using the acoustic calibrator for 94dB(A) at 1000 Hz. If the difference in the calibration level before and after measurement was more than 1 dB(A), the measurement would be considered invalid and repeat of noise measurement would be required after re-calibration or repair of the equipment.
- During the monitoring period, the L_{eq}, L₁₀ and L₉₀ were recorded. In addition, site conditions (f) and noise sources were recorded on a standard record sheet.
- Noise measurement was paused during periods of high intrusive noise (e.g. dog barking, (g) helicopter noise) if possible. Observations were recorded when intrusive noise was unavoidable.
- (h) Noise monitoring was cancelled in the presence of fog, rain, wind with a steady speed exceeding 5m/s, or wind with gusts exceeding 10m/s. The wind speed shall be checked with a portable wind speed meter capable of measuring the wind speed in m/s.

3.5.2 Maintenance and Calibration

- The microphone head of the sound level meter was cleaned with soft cloth at regular intervals. (a)
- (b) The meter and calibrator were sent to the supplier or HOKLAS laboratory to check and calibrate at yearly intervals.
- (c) Calibration certificates of the sound level meters and acoustic calibrators are provided in Appendix E.

3.6 Monitoring Schedule for the Reporting Month

3.6.1 The schedule for construction noise monitoring in September 2015 is provided in Appendix F.



3.7 Monitoring Results

3.7.1 The monitoring results for construction noise are summarized in Table 3.4 and the monitoring data is provided in Appendix I.

Table 3.4 Summary of Construction Noise Monitoring Results in the Reporting Period

	Average, dB(A),	Range, dB(A),	Limit Level, dB(A),
	L _{eq (30 mins)}	L _{eq (30 mins)}	L _{eq (30 mins)}
NMS2	66	64-68*	75
NMS3B	66	64-68*	70/65^

^{*+3}dB(A) Façade correction included

- 3.7.2 No Action or Limit Level Exceedance of construction noise was recorded in the reporting month.
- 3.7.3 Major noise sources during the noise monitoring included construction activities of the Project, construction activities by other contracts and nearby traffic noise.
- 3.7.4 The event action plan is annexed in Appendix L.

[^] Daytime noise Limit Level of 70 dB(A) applies to education institutions, while 65dB(A) applies during school examination period.

4 WATER QUALITY MONITORING

4.1 Monitoring Requirements

4.1.1 Impact water quality monitoring was carried out to ensure that any deterioration of water quality was detected, and that timely action was taken to rectify the situation. For impact water quality monitoring, measurements were taken in accordance with the Project Specific EM&A Manual. Appendix D shows the established Action/Limit Levels for the environmental monitoring works.

4.2 Monitoring Equipment

4.2.1 Table 4.1 summarises the equipment used in the impact water quality monitoring programme.

Table 4.1 Water Quality Monitoring Equipment

Equipment	Brand and Model
Dissolved Oxygen (DO) and	YSI Model 6820
Temperature Meter, Salinity	
Meter and Turbidity Meter	
pH Meter	YSI Model 6820 or Thermo Orion 230A+
Positioning Equipment	JRC DGPS 224 Model JLR-4341 with J-NAV
	500 Model NWZ4551
Water Depth Detector	Eagle Cuda-168 and Lowrance x-4
Water Sampler	Kahlsio Water Sampler (Vertical) 2.2 L with
	messenger

4.3 Monitoring Parameters, Frequency and Duration

4.3.1 Table 4.2 summarises the monitoring parameters, frequency and monitoring depths of impact water quality monitoring as required in the Project Specific EM&A Manual.

Table 4.2 Impact Water Quality Monitoring Parameters and Frequency

Monitoring Stations	Parameter, unit	Frequency	No. of depth
Impact Stations: IS5, IS(Mf)6, IS7, IS8, IS(Mf)9, IS10, IS(Mf)11, IS(Mf)16, IS17 Control/Far Field Stations: CS(Mf)3, CS(Mf)5, CS4, CS6, CSA Sensitive Receiver Stations: SR3-SR7, SR10A&SR10B	 Depth, m Temperature, °C Salinity, ppt Dissolved Oxygen (DO), mg/L DO Saturation, % Turbidity, NTU pH Suspended Solids (SS), mg/L 	Three times per week during mid- ebb and mid- flood tides (within ± 1.75 hour of the predicted time)	3 (1 m below water surface, mid-depth and 1 m above sea bed, except where the water depth is less than 6 m, in which case the middepth station may be omitted. Should the water depth be less than 3 m, only the mid-depth station will be monitored).

4.4 Monitoring Locations

- 4.4.1 In accordance with the Project Specific EM&A Manual, twenty-one stations (9 Impact Stations, 7 Sensitive Receiver Stations and 5 Control/Far Field Stations) were designated for impact water quality monitoring. The nine Impact Stations (IS) were chosen on the basis of their proximity to the reclamation and thus the greatest potential for water quality impacts, the seven Sensitive Receiver Stations (SR) were chosen as they are close to the key sensitive receives and the five Control/ Far Field Stations (CS) were chosen to facilitate comparison of the water quality of the IS stations with less influence by the Project/ ambient water quality conditions.
- 4.4.2 Due to safety concern and topographical condition of the original locations of SR4 and SR10B, alternative impact water quality monitoring stations, naming as SR4 (N) and SR10B (N), were adopted, which are situated in vicinity of the original impact water quality monitoring stations (SR4 and SR10B) and could be reachable.
- 4.4.3 Same baseline and Action Level for water quality, as derived from the baseline monitoring data recorded, were adopted for these alternative impact water quality monitoring stations.
- 4.4.4 The locations of these monitoring stations are summarized in Table 4.3 and depicted in Figure 3.

Table 4.3 Impact Water Quality Monitoring Stations

Station	Description	East	North
IS5	Impact Station (Close to HKBCF construction site)	811579	817106
IS(Mf)6	Impact Station (Close to HKBCF construction site)	812101	817873
IS7	Impact Station (Close to HKBCF construction site)	812244	818777
IS8	Impact Station (Close to HKBCF construction site)	814251	818412
IS(Mf)9	Impact Station (Close to HKBCF construction site)	813273	818850
IS10	Impact Station (Close to HKBCF construction site)	812577	820670
IS(Mf)11	Impact Station (Close to HKBCF construction site)	813562	820716
IS(Mf)16	Impact Station (Close to HKBCF construction site)	814328	819497
IS17	Impact Station (Close to HKBCF construction site)	814539	820391
SR3	Sensitive receivers (San Tau SSSI)	810525	816456
SR4(N)	Sensitive receivers (Tai Ho)	814705	817859
SR5	Sensitive receivers (Artificial Reef in NE Airport)	811489	820455
SR6	Sensitive receivers (Sha Chau and Lung Kwu Chau Marine Park)	805837	821818
SR7	Sensitive receivers (Tai Mo Do)	814293	821431
SR10A	Sensitive receivers (Ma Wan FCZ)1	823741	823495
SR10B(N)	Sensitive receivers (Ma Wan FCZ)2	823683	823187
CS(Mf)3	Control Station	809989	821117
CS(Mf)5	Control Station	817990	821129
CS4	Control Station	810025	824004
CS6	Control Station	817028	823992
CSA	Control Station	818103	823064



4.5 Monitoring Methodology

4.5.1 Instrumentation

(a) The in-situ water quality parameters, viz. dissolved oxygen, temperature, salinity, turbidity and pH, were measured by multi-parameter meters (i.e. Model YSI 6820 CE-C-M-Y) and pH meter (i.e. Thermo Orion 230A+) respectively.

4.5.2 Operating/Analytical Procedures

- (a) Digital Differential Global Positioning Systems (DGPS) were used to ensure that the correct location was selected prior to sample collection.
- (b) Portable, battery-operated echo sounders were used for the determination of water depth at each designated monitoring station.
- (c) 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, in which case the mid-depth station was omitted. Should the water depth be less than 3 m, only the mid-depth station was monitored.
- (d) At each measurement/sampling depth, two consecutive in-situ monitoring (DO concentration and saturation, temperature, turbidity, pH, salinity) and water sample for SS. 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.
- (e) Duplicate samples from each independent sampling event were collected for SS measurement. 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. Sample bottles were pre-rinsed with the same water samples. The sample bottles were then be packed in cool-boxes (cooled at 4°C without being frozen), and delivered to ALS Technichem (HK) Pty Ltd. for the analysis of suspended solids 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 quality assurance and quality control programmes. For QA/QC procedures, one duplicate samples of every batch of 20 samples was analyzed.
- (f) The analysis method and reporting and detection limit for SS is shown in Table 4.4.

Table 4.4 Laboratory Analysis for Suspended Solids

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

(g) 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.

4.5.3 Maintenance and Calibration

- (a) All in situ monitoring instruments would be calibrated and calibrated by ALS Technichem (HK) Pty Ltd. before use and at 3-monthly intervals throughout all stages of the water quality monitoring programme. Calibration details are provided in Appendix E.
- (b) The dissolved oxygen probe of YSI 6820 was calibrated by wet bulb method. Before the calibration routine, the sensor for dissolved oxygen was thermally equilibrated in water-saturated air. Calibration cup is served as a calibration chamber and it was loosened from airtight condition before it is used for the calibration. Calibration at ALS Technichem (HK) Pty Ltd. was carried out once every three months in a water sample with a known concentration of dissolved oxygen. The sensor was immersed in the water and after thermal equilibration, the known mg/L value was keyed in and the calibration was carried out automatically.
- (c) The turbidity probe of YSI 6820 is calibrated two times a month. A zero check in distilled water was performed with the turbidity probe of YSI 6820 once per monitoring day. The probe will be calibrated with a solution of known NTU at ALS Technichem (HK) Pty Ltd. once every three months.

4.6 Monitoring Schedule for the Reporting Month

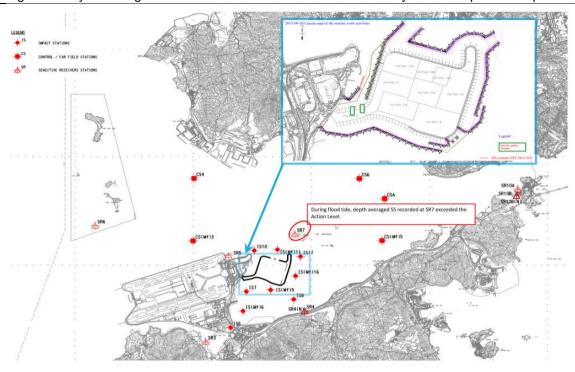
- 4.6.1 The schedule for impact water quality monitoring in September 2015 is provided in Appendix F.
- 4.6.2 Results and Observations
- 4.6.3 Impact water quality monitoring results and graphical presentations are provided in Appendix J.

Table 4.5 Summary of Water Quality Exceedances

Station Exceedance		DO (S&M)	DO (B	ottom)	Tur	bidity		SS	Te	otal
	Level	Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood
IS5	Action	0	0	0	0	0	0	0	0	0	0
133	Limit	0	0	0	0	0	0	0	0	0	0
IS(Mf)6	Action	0	0	0	0	0	0	0	0	0	0
13(1011)0	Limit	0	0	0	0	0	0	0	0	0	0
IS7	Action	0	0	0	0	0	0	0	0	0	0
157	Limit	0	0	0	0	0	0	0	0	0	0
IS8	Action	0	0	0	0	0	0	0	0	0	0
136	Limit	0	0	0	0	0	0	0	0	0	0
IS(Mf)9	Action	0	0	0	0	0	0	0	0	0	0
13(1011)9	Limit	0	0	0	0	0	0	0	0	0	0
IS10	Action	0	0	0	0	0	0	0	0	0	0
1310	Limit	0	0	0	0	0	0	0	0	0	0
IS(Mf)11	Action	0	0	0	0	0	0	0	0	0	0
13(111)11	Limit	0	0	0	0	0	0	0	0	0	0
IS(Mf)16	Action	0	0	0	0	0	0	0	0	0	0
13(111)16	Limit	0	0	0	0	0	0	0	0	0	0
IS17	Action	0	0	0	0	0	0	0	0	0	0
1317	Limit	0	0	0	0	0	0	0	0	0	0
SR3	Action	0	0	0	0	0	0	0	0	0	0
SNS	Limit	0	0	0	0	0	0	0	0	0	0
SR4(N)	Action	0	0	0	0	0	0	0	0	0	0
3K4(N)	Limit	0	0	0	0	0	0	0	0	0	0
SR5	Action	0	0	0	0	0	0	0	0	0	0
313	Limit	0	0	0	0	0	0	0	0	0	0
SR6	Action	0	0	0	0	0	0	0	0	0	0
3110	Limit	0	0	0	0	0	0	0	0	0	0
SR7	Action	0	0	0	0	0	0	0	(1) 30 Sept 2015	0	(1)
	Limit	0	0	0	0	0	0	0	0	0	0
SR10A	Action	0	0	0	0	0	0	0	0	0	0
	Limit	0	0	0	0	0	0	0	0	0	0
SR10B	Action	0	0	0	0	0	0	0	0	0	0
(N)	Limit	0	0	0	0	0	0	0	0	0	0
Total	Action	0	0	0	0	0	0	0	0		1
	Limit	0	0	0	0	0	0	0	0		0

Note: S: Surface; and M: Mid-depth.

- 4.6.4 For water quality, one (1) Action Level Exceedance of SS at SR7 during flood tide was recorded on 30 September 2015.
- 4.6.4.1 Layout map below shows that vessel activities were carried out at Portion D by vessels during flood tide but no marine based construction work was conducted at north part of the HKBCF reclamation works on 30 September 2015:



- 4.6.4.2 Exceedance recorded at SR7 during mid-flood tide is unlikely due to marine based construction activities of the Project:
- 4.6.4.3 With reference to the silt curtain checking record of 30 September 2015, defects such as missing segment or disconnection of the perimeter silt curtain were not observed at north part of the perimeter silt curtain.
- 4.6.4.4 With referred to the attached layout map, no marine based construction work was conducted at north part of the HKBCF reclamation works on 30 September 2015 and no silt plume was observed to flow from the inside of the perimeter silt curtain to the outside of the perimeter silt curtain when monitoring was conducted during flood tide.
- 4.6.4.5 Photo record which shows the sea condition at north part of the HKBCF reclamation works during flood tide on 30 September 2015.



4.6.4.6 Also, turbidity level recorded at IS(Mf)11, IS10, IS17 and SR7 were 10.6(NTU), 14.5(NTU), 15.8(NTU) and 9.9(NTU) respectively; Suspended solids level recorded at IS(Mf)11, IS10 and IS17 were 14.2 mg/L, 16 mg/L and 8.3 mg/L respectively, which were all below the action and limit level. This indicates the turbidity level at or near SR7 and Suspended Solids level near SR7 was not adversely affected.

- 4.6.4.7 Impact water quality monitoring stataions IS(Mf)11, IS10 and IS17 are located relatively closer to the construction site of HKBCF reclamation works but no IWQM exceedance was recorded on 30 September 2015 during flood tide. This indicates that the SS exceedance recorded at SR7 on 30 September 2015 during flood tide was unlikely due to activities of HKBCF reclamation works.
- 4.6.4.8 The exceedance was likely due to local effects in the vicinity of SR7.
- 4.6.4.9 After investigation, there is no adequate information to conclude the recorded exceedance is related to this Contract.
- 4.6.4.10 Action taken under the action plan:
 - 1. Not applicable as SS was not measured in situ;
 - 2. After considering the above mentioned investigation results, it appears that it was unlikely that the SS exceedances were attributed to active construction activities of this Contract;
 - 3. IEC. contractor and ER were informed via email:
 - 4. Monitoring data, all plant, equipment and Contractor's working methods were checked;
 - 5. Since it is considered that the SS exceedance is unlikely to be project related, as such, actions 5-7 under the EAP are not considered applicable.
- 4.6.4.11 The exceedences noted were of a localised nature and in the north of HKBCF (on 30 September 2015), the north of the Brothers Island, at NEL. Short duration local increased sedimentation is not anticipated to affect the dolphins which may have occurred in the western reached of NWL.
- 4.6.4.12 Nevertheless, the Contractor was reminded to ensure provision of ongoing maintenance to the silt curtains and to carry out maintenance work once defects were found.
- 4.6.4.13 Maintenance work of the silt curtain was carried out by the Contractor on a daily basis except Sunday and public holiday.
- 4.6.5 The event action plan is annexed in Appendix L.

5 DOLPHIN MONITORING

5.1 Monitoring Requirements

- 5.1.1 Vessel based surveys for the Chinese White Dolphin (CWD), Sousa chinensis, are to be conducted by a dedicated team comprising a qualified marine mammal ecologist and experienced marine mammal observers (MMOs). The purpose of the surveys are to evaluate the impact of the HKCBF reclamation and, if deemed detrimental, to take appropriate action as per the EM&A manual.
- 5.1.2 This 'Impact Monitoring' follows several months of 'Baseline Monitoring' so similar survey methodologies have been adopted to facilitate comparisons between datasets. Further, the data collected are compatible with, and are available for, incorporation into the data set managed by the Agriculture, Fisheries and Conservation Department (AFCD) as part of Hong Kong's long term Marine Mammal Monitoring Programme.

5.2 Monitoring Equipment

Table 5.1 summarises the equipment used for the impact dolphin monitoring.

Table 5.1 Dolphin Monitoring Equipment

Equipment	Model
Commercially licensed motor vessel	15m in length with a 4.5m viewing platform
Global Positioning System (GPS) x2	Integrated into T7000
	Garmin GPS Map 76C
Computers (T7000 Tablet, Intel Atom)	Windows 7/MSO 13
	Logger
Camera	Nikon D7100 300m 2.8D fixed focus
	Nikon D90 80-400mm zoom lens
Laser Rangefinder	Range Finder Bushnell 1000m
Marine Binocular x3	Nexus 7 x 50 marine binocular with compass
	and reticules
	Fujinon 7 x 50 marine binocular with compass
	and reticules

5.3 Monitoring Frequency and Conditions

- 5.3.1 Dolphin monitoring is conducted twice per month in each survey area.
- 5.3.2 Dolphin monitoring is conducted only when visibility is good (e.g., over 1km) and the sea condition is at a Beaufort Sea State of 4 or better.
- 5.3.3 When thunder storm, black rain or typhoon warnings are in force, all survey effort is stopped.

5.4 Monitoring Methodology and Location

- 5.4.1 The impact dolphin monitoring is vessel-based and combines line-transect and photo-ID methodology. The survey follows pre-set and fixed transect lines in the two areas defined by AFCD as:
- 5.4.2 Northeast Lantau survey area; and
- 5.4.3 Northwest Lantau survey area.
- 5.4.4 The co-ordinates for the transect lines and layout map have been provided by AFCD and are shown in Table 5.2 and Figure 4.

Table 5.2 Impact Dolphin Monitoring Line Transect Co-ordinates (Provided by AFCD)

	HK Grid System		Long Lat	in WGS84
ID	X	Υ	Long	Lat
1	804671	815456	113.870287	22.276504
1	804671	831404	113.869975	22.421696
2	805475	815913	113.878079	22.281819
2	805477	826654	113.877896	22.378814
3	806464	819435	113.887615	22.313643
3	806464	822911	113.887550	22.345030
4	807518	819771	113.897833	22.316697
4	807518	829230	113.897663	22.402113
5	808504	820220	113.907397	22.320761
5	808504	828602	113.907252	22.396462
6	809490	820466	113.916965	22.323003
6	809490	825352	113.916884	22.367128
7	810499	820880	113.926749	22.325043
7	810499	824613	113.926688	22.360464
8	811508	821123	113.936539	22.326475
8	811508	824254	113.936486	22.357241
9	812516	821303	113.946320	22.326894
9	812516	824254	113.946279	22.357255
10*	813525	820827	113.956112	22.326321
10*	813525	824657	113.956066	22.360908
11	814556	818853	113.966155	22.304858
11	814556	820992	113.966125	22.327820
12	815542	818807	113.975726	22.308109
12	815542	824882	113.975647	22.362962
13	816506	819480	113.985072	22.314192
13	816506	824859	113.985005	22.362771
14	817537	820220	113.995070	22.320883
14	817537	824613	113.995018	22.360556
15	818568	820735	114.005071	22.325550
15	818568	824433	114.005030	22.358947
16	819532	821420	114.014420	22.331747
16	819532	824209	114.014390	22.356933
17	820451	822125	114.023333	22.338117
17	820451	823671	114.023317	22.352084
18	821504	822371	114.033556	22.340353
18	821504	823761	114.033544	22.352903
19	822513	823268	114.043340	22.348458
19	822513	824321	114.043331	22.357971
20	823477	823402	114.052695	22.349680
20	823477	824613	114.052686	22.360610
21	805476	827081	113.877878	22.382668
21	805476	830562	113.877811	22.414103
22	806464	824033	113.887520	22.355164
22	806464	829598	113.887416	22.405423
23	814559	821739	113.966142	22.334574
23	814559	824768	113.966101	22.361920

Remarks:

(a) *Due to the presence of deployed silt curtain systems at the site boundaries of the Project, some of the transect lines shown in Figure 5 could not be fully surveyed during the regular survey. Transect 10 is reduced from 6.4km to approximately 3.6km in length due to the HKBCF construction site. Therefore the total transect length for both NEL and NWL combined is reduced to approximately 108km.



(b) Coordinates for transect lines 1, 2, 7, 8, 9 and 11 have been updated in respect to the Proposal for Alteration of Transect Line for Dolphin Monitoring approved by EPD on 19 August 2015.

5.5 Monitoring Procedures

- 5.5.1 The study area incorporates 23 transects which are to be surveyed twice per month. Each survey day lasts approximately 9 hours.
- 5.5.2 The survey vessel departs from Tung Chung Development Pier, Tsing Yi Public Pier or the nearest safe and convenient pier.
- 5.5.3 When the vessel reaches the start of a transect line, "on effort" survey begins. Areas between transect lines and traveling to and from the study area are defined as "off effort".
- 5.5.4 The transect line is surveyed at a speed of 6-8 knots (11-14 km/hr). For the sake of safety, the speed was sometimes a bit slower to avoid collision with other vessels. During some periods, tide and current flow in the survey areas exceeds 7 knots which can affect survey speed. There are a minimum of four marine mammal observers (MMOs) present on each survey, rotating through four positions, observers (2), data recorder (1) and 'rest' (1). Rotations occur every 30 minutes or at the end of dolphin encounters. The data recorder records effort, weather and sightings data directly onto the programme Logger and is not part of the observer team. The observers search with naked eye and binoculars between 90° and 270° abeam (bow being 0°).
- 5.5.5 When a group of dolphins is sighted, position, bearing and distance data are recorded immediately onto the computer and, after a short observation, an estimate made of group size. These parameters are linked to the time-GPS-ships data which are automatically stored in the programme Logger throughout the survey period. In this manner, information on heading, position, speed, weather, effort and sightings are stored in a format suitable for use with DISTANCE software for subsequent line transect analyses.
- 5.5.6 Once the vessel leaves the transect line, it is deemed to be "off effort". The dolphins are approached with the purpose of taking high resolution pictures for proper photo-identification of individual CWD. Attempts to photograph all dolphins in the group are made. Both the left and right hand sides of the dorsal fin area of each dolphin in the group are photographed, if possible. On finishing photographing, the vessel will return to the transect line at the point of departure and "on effort" survey is resumed.
- 5.5.7 Sightings which are made while on the transect line are referred to as "on effort sightings", while not on the actual transect line are referred to as an "opportunistic sightings" (e.g. another group of dolphins is sighted while travelling back to the transect line). Only "on effort sightings" can be used in analyses which require effort or rate quantification, e.g., encounter rate per 100km searched. This is also how "on effort sightings" are treated in the baseline report. "Opportunistic sightings" provide additional information on individual habitat use and population distribution and they are noted accordingly.
- 5.5.8 As time and GPS data are automatically logged throughout the survey and are linked to sightings data input, start and end times of encounters and deviation from the transect lines are recorded and can be subsequently reviewed.

5.6 Monitoring Schedule for the Reporting Month

- 5.6.1 The schedule for dolphin monitoring in September 2015 is provided in Appendix F.
- 5.6.2 Two surveys covering both study areas were completed.

5.7 Results and Observations

5.7.1 Dolphin surveys were conducted on 7, 8, 29 and 30 September 2015. A total of 216.3 km of transect line was conducted; 212.5km was conducted during Beaufort Sea State 3 or better (favourable water conditions). The amendments proposed to lines 1, 2, 7, 8, 9 and 11 which were submitted to EPD were approved in August 2015. The new lines were travelled in September 2015.



5.7.2 The effort summary and sightings data are shown in Tables 5.3 and 5.4, respectively. The survey efforts conducted in September 2015 are plotted in Figure 5a-b. For Table 5.3, only on-effort information is included. Transects conducted in all Beaufort Sea State are included. Compared to previous monthly reports, the whole number Beaufort Sea State scale is used so as to ease comparison with other dolphin monitoring reports.

Table 5.3 Impact Dolphin Monitoring Survey Effort Summary, Effort by Area and Beaufort Sea State

Survey	Date	Area	Beaufort	Effort (km)	Total Distance Travelled (km)		
	09/07/2015	NWL	1	53.9	(****)		
	09/07/2015	NWL	2	3.2			
1	09/08/2015	NWL	1	14.9	108		
	09/08/2015	NEL	1	13.7			
	09/08/2015	NEL	2	22.3			
	09/29/2015	NWL	1	4			
	09/29/2015	NWL	2	30.6			
	09/29/2015	NWL	3	27.8			
	09/29/2015	NWL	4	3.8			
2	09/30/2015	NWL	1	3	108.3		
	09/30/2015	NWL	2	3.1			
	09/30/2015	NEL	1	12.4			
	09/30/2015	NEL	2	15.5			
	09/30/2015	NEL	3	8.1	216.3		
	TOTAL in SEPTEMBER 2015						

^{*}Remark: Surveys conduct under Beaufort Sea State 3 or below are considered as under favourable condition.

Table 5.4 Impact Dolphin Monitoring Survey Details September 2015

Date	Location	No. Sightings "on effort"	No. Sightings "opportunistic"
	NW L	2	0
09/07/2015	NEL	0	0
	NW L	0	0
09/08/2015	NEL	0	0
	NW L	0	0
09/29/2015	NEL	0	0
	NW L	0	0
09/30/2015	NEL	0	0
	TOTAL in September 2015	2	0

^{*} Location indicates which area was being surveyed when the sighting was made. The area noted does not necessarily indicate where the dolphins were when the sighting was made.

Hong Kong Boundary Crossing Facilities – Reclamation Works The Encounter Rate of Number of Dolphin Sightings & Total Number of Dolphins Table 5.5 per Area^

Encounter Rate of Number of Dolphin Sightings (STG)*								
Date	NEL Track (km)	NWL Track (km)	NEL Sightings	NWL Sightings	NEL Encounter Rate	NWL Encounter Rate		
7 & 8 Sept 2015	36.0	72.0	0	2	0	2.8		
29 & 30 Sept 2015	36.0	68.5	0	0	0	0		
Encounter Rate of Total Number of Dolphins (ANI)**								
	NEL	NIVA/I			NIEL	NIVA/I		

NEL NWL NEL NWL **NEL NWL Track Track Encounter Encounter Date** (km) (km) **Dolphins Dolphins** Rate Rate 7 & 8 Sept 2015 36.0 72.0 0 5 0 6.9 0 0 29 & 30 Sept 2015 36.0 68.5 0 0

^The table is made only for reference to the quarterly STG & ANI, which were adopted for the Event & Action Plan.

- A total of two sightings were made, both "on effort". Both sightings were recorded on the 7 September 5.7.3 2015. Sighting details are summarised and plotted in Appendix K and Figure 5c, respectively. The first group sighted on the 7 September 2015 comprised one individual and the second, four individuals.
- Behaviour: On the 7 September 2015, the behaviour of the first sighting made was noted as travelling 5.7.4 and the second group was engaged in multiple activities; feeding, surface active and travelling. No calves were sighted during impact surveys in September 2015. Locations of sighting with different behaviour are mapped in Figure 5d.
- 5.7.5 Three re-sightings were noted in July 2015. On July 6th, HZMB 008 was sighted in NWL. HZMB 008 has been sighted once previously in NWL in May 2012. HZMB 004 was sighted on 28th July 2015. HZMB 004 was first sighted in March 2012 and again in September 2012, both times in NWL. Previously recorded as HZMB 120, this dolphin left fin is now matched to a right fin of HZMB 107. The single previous sighting of HZMB 120 (May 2014) is now included in HZMB 107 data. HZMB 107 was signted on 28 July 2015. This dolphin was first sighted in August 2013 and subsequently in May and October of 2014. All sightings have been made in NWL. It is noted that dolphins which have not been sighted for several years have been resighted again in July 2015. Images and re-sightings data are included Appendix K.
- One individual was resighted in August 2015 and one new individual was added to the catalogue. 5.7.6 HZMB 014 was sighted on 25 August 2015 in NWL. HZMB 014 is known from the AFCD catalogue (NL176) and was sighted during baseline monitoring (Nov 2011) as well as during impact monitoring in 2012 and in 2013 in both NEL and NWL. This individual was last sighted during impact monitoring in December 2013. A new individual HZMB 129 was added to the catalogue. Images and re-sightings data are included in Appendix K.
- 5.7.7 Noteworthy Observation¹:
- 5.7.7.1 When impact monitoring was conducted at the southern parts of transect lines 1 & 2, the view of the area was partially blocked by the working vessels and fixed structures which do not belong to HKBCF Reclamation Works. The number of fixed structures has increased and in many areas, it is no longer possible to pass between them by ship. As the working vessels will move during the on-going works, it

Encounter Rate of Number of Dolphin Sightings (STG) presents encounter rates in terms of groups per 100km.

^{**} Encounter Rate of Total Number of Dolphins (ANI) presents encounter rates in terms of individuals per 100km. And the encounter rate is not corrected for individuals, calculation may represent double

¹ A noteworthy observation is to show that either the conduct of the surveys themselves is affected, i.e., the noted vessel or works impedes the progress or view of the survey platform. In addition, the vessel or construction works may be different or additional to that observed previously and further, are of such a nature that they are a likely to create an impact on the movement or behaviour of the subject of the impact survey, in this case, the dolphins.

is considered that they will temporarily affect survey protocol, survey data collection, dolphin movement, dolphin habitat use and dolphin behaviour, whereas the fixed structures will continuously affect survey protocol, survey data collection, dolphin movement, dolphin habitat use and dolphin behaviour.

- 5.7.7.2 The HKBCF and adjoining "Southern Landfall" Projects effected lines 10, 11 and 12. The view of the area was partially blocked by the working vessels and in water structures. As the working vessels will move as construction progresses, they will cause temporary effects to survey protocol and survey data collection. In time, the fixed structures will affect all survey protocols and dolphin ecology in the long term
- 5.7.7.3 Travel to the northern end of line 10 was slightly impeded by the large numbers of ships in the public anchorage. After checking with Contactor's marine department, no record match with the abovementioned vessels, as such they are unlikely to be related to this Contract. As there are variable numbers of ships in this anchorage through time, it is considered that this could temporarily affect survey protocol, survey data collection and dolphin habitat use.
- 5.7.7.4 Anchored fishing vessels were noted on lines 1. In previous encounters, dolphins were seen feeding in association with these vessels despite them not being active. This may influence both dolphin behaviour and the view of the area.
- 5.7.7.5 New projects were ongoing at the southern ends of lines 4, 5 and 6 which were not part of this Project. There are no apparent fixed structures associated with these projects only platforms and servicing vessels. A working vessel was noted at line 5 associated with one of the new projects. As it is not known what activity was being conducted, the effect that these projects may have specifically on dolphins is not known.
- 5.7.7.6 Vessel traffic congestion delayed start of surveying line 20 on the 30 September 2015 for a short time. This area is where Urmston Road vessel traffic converges to pass under the Kap Shui Mun Bridge. After checking with Contactor's marine department, no record match with the abovementioned vessels, as such they are unlikely to be related to this Contract. As the container vessels were moving and cleared the area within the survey period, it is considered that this temporarily affected survey protocol only.
- 5.7.7.7 The survey effort log notes the areas in which the visibility is limited or the survey is affected so that these can be accounted for in any subsequent analyses. Some of these obstructions will become permanent and some will be temporary as the HZMB is built and other projects progress. It is advised that the impact monitoring surveys should be completed as close to the predefined lines as possible (as per Figure 4 of this report).
- 5.7.7.8 The above noteworthy observations are largely a result of multiple and on-going infrastructure projects within the Lantau area. No amendment to EM&A protocols can negate the effects of these projects, e.g., it is a highly dynamic environment and viewing conditions may alter every survey (sometimes within surveys) and most of the survey area is affected, to some degree, by marine construction works. Instead, survey data analyses should incorporate any noteworthy observations which may affect either data collection or dolphin distribution and behavioural changes. The above mentioned activities recorded during boat survey will not affect implementation of the EM&A Programme.
- 5.7.8 The event action plan is annexed in Appendix L.



6 ENVIRONMENTAL SITE INSPECTION AND AUDIT

6.1 Site Inspection

- 6.1.1 Site Inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures for the Project. In the reporting month, 4 site inspections were carried out on 2, 10, 17 and 24 September 2015.
- 6.1.2 Particular observations during the site inspections are described below:

Air Quality

- 6.1.3 The Contractor was reminded to continue to provide sufficient dust control to prevent generation of fugitive dust. (Reminder)
- 6.1.4 Fugitive dust was observed when vehicle was drove pass the road, during grout production process and during rock filling process. The Contractor was reminded to provide sufficient dust control to prevent generation of fugitive dust. The Contractor subsequently provided dust control measures to the area. (Closed)

Noise

6.1.5 No relevant adverse impact was observed in the reporting month.

Water Quality

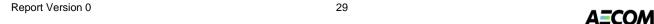
- 6.1.6 A deformed drip tray was observed on site. The Contractor was reminded to provide drip tray which can effectively contain potential leakage of oil. The Contractor subsequently provided drip tray without defect. (Closed)
- 6.1.7 Gaps between vehicle accesses were observed on the landing barge near Portion E1. The Contractor was reminded to provide measure to prevent potential runoff on the landing barge. (Reminder)
- 6.1.8 Material was observed stockpiled on cells at Portion E1. The Contractor was reminded to provide preventative measures to the works process to prevent runoff. The Contractor subsequently removed the material from Portion E1. (Closed)
- 6.1.9 Delivery pipe of floating grout production facilities was observed not fully enclosed. The Contractor was reminded to ensure full enclosure and prevent any potential runoff. The Contractor subsequently provided full enclosure to delivery pipes of the grout production facilities. (Closed)

Chemical and Waste Management

- 6.1.10 The Contractor was reminded to remove the water mixture which accumulated inside the drip trays at Portion C2a and dispose of as chemical waste properly. The Contractor subsequently removed the water mixture inside drip tray. (Closed)
- 6.1.11 It was observed that sand was loaded inside drip trays. The Contractor was reminded to clear the sand inside drip tray. The Contractor subsequently cleared the sand inside drip tray. (Closed)
- 6.1.12 It was observed that water and oil mixture accumulated inside drip tray. The Contractor was reminded to clear the sand inside drip tray. The Contractor subsequently cleared the water and oil mixture accumulated inside drip tray. (Closed)
- 6.1.13 Bags of inert waste were observed on site, the Contractor was reminded to collect and dispose them of properly and regularly. (Reminder)

Landscape and Visual Impact

6.1.14 No relevant adverse impact was observed in the reporting month.



Others

6.1.15 No relevant adverse impact was observed in the reporting month.



6.2 Advice on the Solid and Liquid Waste Management Status

- 6.2.1 The Contractor had registered as a chemical waste producer for this Project. Receptacles were available for general refuse collection and sorting.
- 6.2.2 As advised by the Contractor, 69,848.7m³ of fill were imported for the Project use in the reporting period. 24.3kg of chemical waste and 78m³ of general refuse were generated and disposed of in the reporting period. Monthly summary of waste flow table is detailed in Appendix M.
- 6.2.3 The Contractor is advised to properly maintain on site C&D materials and wastes storage, 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.
- 6.2.4 The Contractor is reminded that chemical waste 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, Labeling and Storage of Chemical Wastes.

6.3 Environmental Licenses and Permits

6.3.1 The environmental licenses and permits for the Project and valid in the reporting month is summarized in Table 6.1.

Table 6.1 **Summary of Environmental Licensing and Permit Status**

Statutory Reference	License/ Permit	License or Permit No.	Valid Period		License/ Permit	Remarks	
			From	То	Holder		
EIAO	Environmental	EP- 353/2009/I	17/07/2015	N/A	HyD	Hong Kong – Zhuhai – Macao Bridge Hong Kong Boundary Crossing Facilities	
EIAO	Permit	EP- 354/2009/D	13/03/2015	N/A	ПуБ	Tuen Mun – Chek Lap Kok Link (TMCLKL Southern Landfall Reclamation only)	
APCO	NA notification		30/12/2011		CHEC	Works Area WA2 and WA3	
WDO	Chemical Waste Producer Registration	5213-951- C1186-21	30/3/2012	N/A	CHEC	Chemical waste produced in Contract HY/2010/02	
WDO	Chemical Waste Producer Registration	5213-839- C3750-02	13/09/2012		CHEC	Registration as Chemical Waste Producer at TKO 137(FB)	
WDO	Billing Account for Disposal of Construction Waste	7014181	05/12/2011	N/A	CHEC	Waste disposal in Contract HY/2010/02	
NCO	Construction Noise Permit	GW-RS0773- 15	17/07/2015	20/10/2015	CHEC	Reclamation Works in Contract HY/2010/02	
NCO	Construction Noise Permit	GW-RS1046- 15	29/09/2015	31/12/2015	CHEC	Reclamation Works in Contract HY/2010/02	
NCO	Construction Noise Permit	GW-RE0622- 15	21/06/2015	20/12/2015	CHEC	Section of TKO Fill Bank under Contract HY/2010/02	

6.4 Implementation Status of Environmental Mitigation Measures

- 6.4.1 In response to the site audit findings, the Contractors carried out corrective actions.
- 6.4.2 A summary of the Implementation Schedule of Environmental Mitigation Measures (EMIS) is presented in Appendix C. Most of the necessary mitigation measures were implemented properly.
- 6.4.3 Training of marine travel route for marine vessels operator was given to relevant staff and relevant records were kept properly.
- 6.4.4 Regarding the implementation of dolphin monitoring and protection measures (i.e. implementation of Dolphin Watching Plan, Dolphin Exclusion Zone and Silt Curtain integrity Check), regular checking were conducted by the experienced MMOs within the works area to ensure no dolphin was trapped by the enclosed silt curtain systems. Any dolphin spotted within the enclosed silt curtain systems was reported and recorded. Relevant procedures were followed and measures were well implemented. Silt curtain systems were also inspected timely in accordance to the submitted plan. All inspection records were kept properly.



- 6.4.5 Acoustic decoupling measures on noisy plants on construction vessels were checked regularly and the Contractor was reminded to ensure provision of ongoing maintenance to noisy plants and to carry out improvement work once insufficient acoustic decoupling measures were found.
- 6.4.6 Frequency of watering per day on exposed soil was checked; with reference to the record provided by the Contract, watering was conducted at least 8 times per day on reclaimed land. The frequency of watering is the mainly refer to water truck. Sprinklers are only served to strengthen dust control measure for busy traffic at the entrance of Portion D. As informed by the Contractor, during the malfunction period of sprinkler, water truck will enhance watering at such area. The Contractor was reminded to ensure provision of watering of at least 8 times per day on all exposed soil within the Project site and associated works areas throughout the construction phase.
- 6.4.7 As informed by the Contractor, an area of Portion B has been handed over to other Contract and the perimeter silt curtain near this area of Portion B has been rearranged on 31 July 2015 for berthing another Contractor's vessels (which do not belong to this Contract). IEC/ENPO was informed on 5 Aug 2015 immediately after ET's review. IEC/ENPO provided further comments on 1 September 2015, ET responded 2 September 2015 with notification letter ref.:60249820/rmky15090201. IEC/ENPO expressed no further comment via letter ref.: HYDHZMBEEM00_0_03351L.15 on 8 September 2015 for the removal of section of perimeter silt curtain near Portion B of HKBCF. EPD replied on 24 September 2015 via memo (39) in Ax(1) to EP2/G/A/146 pt.8 and reminded HyD that if grouting trial is undertaken, to adhere to the VEP requirement and undertake the necessary mitigation measures after the phase removal of the perimeter silt curtain.

6.5 Summary of Exceedances of the Environmental Quality Performance Limit

- 6.5.1 For impact air quality monitoring, no exceedance of 1-Hour TSP or 24-Hour TSP was recorded at all monitoring stations in the reporting month.
- 6.5.2 For construction noise, no exceedance was recorded at all monitoring stations in the reporting month.
- 6.5.3 For water quality, one (1) Action Level Exceedance of SS at SR7 during flood tide was recorded on 30 September 2015. After investigation, there is no adequate information to conclude the recorded exceedance is related to this Contract. No Action and Limit Level exceedance was recorded on other monitoring date in the reporting month.
- 6.5.4 A total of two sightings were made, both "on effort". Both sightings were recorded on the 7 September 2015. Sighting details are summarised and plotted in Appendix K and Figure 5c, respectively. The first group sighted on the 7 September 2015 comprised one individual and the second, four individuals.
- 6.5.5 Behaviour: On the 7 September 2015, the behaviour of the first sighting made was noted as travelling and the second group was engaged in multiple activities; feeding, surface active and travelling. No calves were sighted during impact surveys in September 2015. Locations of sighting with different behaviour are mapped in Figure 5d.
- 6.5.6 Environmental site inspection was carried out 4 times in September 2015. Recommendations on remedial actions were given to the Contractors for the deficiencies identified during the site audits.
- 6.5.7 Cumulative statistics on exceedance is provided in Appendix N.

6.6 Summary of Complaints, Notification of Summons and Successful Prosecutions

- 6.6.1 The Environmental Complaint Handling Procedure is annexed in Figure 6.
- 6.6.2 No complaint, notification of summons and successful prosecutions was received in the reporting period.
- 6.6.3 Statistics on complaints, notifications of summons and successful prosecutions are summarized in Appendix N.



7 FUTURE KEY ISSUES

7.2 Construction Programme for the Coming Months

7.2.1 As informed by the Contractor, the major works for the Project in October and November 2015 will be *:-

Marine-base

- Rubble Mound Seawall
- Marine fill
- Maintenance of silt curtain & silt screen at sea water intake of HKIA

Land-base

- Earthwork fill
- Surcharge removal & laying
- Deep Cement Mixing
- Geotechnical Instrumentation Works
- Removal of Temporary Seawall
- Vertical Band Drains
- Installations of Precast Culverts except sloping outfalls
- Maintenance works of Site Office at Works Area WA2
- Maintenance works of Public Works Regional Laboratory at Works Area WA3
- Maintenance of Temporary Marine Access at Works Area WA2

*Construction activities in October and November 2015 will be changed subject to works progress.

7.3 Key Issues for the Coming Month

- 7.3.1 Key issues to be considered in the coming months:-
 - Site runoff should be properly collected and treated prior to discharge;
 - Minimize loss of sediment from filling works;
 - Regular review and maintenance of silt curtain systems, drainage systems and desilting facilities;
 - Exposed surfaces/soil stockpiles should be properly treated to avoid generation of silty surface runoff during rainstorm;
 - Regular review and maintenance of wheel washing facilities provided at all site entrances/exits;
 - Conduct regular inspection of various working machineries and vessels within works areas to avoid any dark smoke emission:
 - Suppress dust generated from work processes with use of bagged cements, earth movements, excavation activities, exposed surfaces/soil stockpiles and haul road traffic;
 - Quieter powered mechanical equipment should be used;
 - Provision of proper and effective noise control measures for operating equipment and machinery onsite, such as erection of movable noise barriers or enclosure for noisy plants;
 - Closely check and replace the sound insulation materials regularly;
 - Better scheduling of construction works to minimize noise nuisance;
 - Properly store and label oil drums and chemical containers placed on site:
 - Proper chemicals, chemical wastes and wastes management;
 - Maintenance works should be carried out within roofed, paved and confined areas;
 - Collection and segregation of construction waste and general refuse on land and in the sea should be carried out properly and regularly; and
 - Proper protection and regular inspection of existing trees, transplanted/retained trees.
 - Control night-time lighting and glare by hooding all lights.
 - Regular review and provide maintenance to dust control measures such as sprinkler system.

7.4 Monitoring Schedule for the Coming Month

7.4.1 The tentative schedule for environmental monitoring in October 2015 is provided in Appendix F.



8 CONCLUSIONS AND RECOMMENDATIONS

8.2 Conclusions

- 8.2.1 The construction phase and EM&A programme of the Project commenced on 12 March 2012.
- 8.2.2 For impact air quality monitoring, no exceedance was recorded at all monitoring stations in the reporting month
- 8.2.3 For construction noise, no exceedance was recorded at all monitoring stations in the reporting month.
- 8.2.4 For water quality, one (1) Action Level Exceedance of SS at SR7 during flood tide was recorded on 30 September 2015. After investigation, there is no adequate information to conclude the recorded exceedance is related to this Contract. No Action and Limit Level exceedance was recorded on other monitoring date in the reporting month.
- 8.2.5 A total of two sightings were made, both "on effort". Both sightings were recorded on the 7 September 2015. Sighting details are summarised and plotted in Appendix K and Figure 5c, respectively. The first group sighted on the 7 September 2015 comprised one individual and the second, four individuals.
- 8.2.6 Behaviour: On the 7 September 2015, the behaviour of the first sighting made was noted as travelling and the second group was engaged in multiple activities; feeding, surface active and travelling. No calves were sighted during impact surveys in September 2015. Locations of sighting with different behaviour are mapped in Figure 5d.
- 8.2.7 No notification of complaint, summons or prosecution was received in the reporting period.
- 8.2.8 Environmental site inspection was carried out 4 times in September 2015. Recommendations on remedial actions were given to the Contractors for the deficiencies identified during the site audits.

8.3 Recommendations

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

Air Quality Impact

- All working plants and vessels on site should be regularly inspected and properly maintained to avoid dark smoke emission.
- All vehicles should be washed to remove any dusty materials before leaving the site.
- Haul roads should be sufficiently dampened to minimize fugitive dust generation.
- Wheel washing facilities should be properly maintained and reviewed to ensure properly functioning.
- Temporary exposed slopes and open stockpiles should be properly covered.
- Enclosure should be erected for cement debagging, batching and mixing operations.
- Water spraying should be provided to suppress fugitive dust for any dusty construction activity.
- Regular review and provide maintenance to dust control measures such as sprinkler system.

Construction Noise Impact

- Quieter powered mechanical equipment should be used as far as possible.
- Noisy operations should be oriented to a direction away from sensitive receivers as far as possible.
- Proper and effective noise control measures for operating equipment and machinery on-site should be provided, such as erection of movable noise barriers, enclosure for noisy plants or enhancement works to provide sufficient acoustic decoupling measure(s). Closely check and replace the sound insulation materials regularly
- Vessels and equipment operating should be checked regularly and properly maintained.
- Noise Emission Label (NEL) shall be affixed to the air compressor and hand-held breaker operating within works area.
- Acoustic decoupling measures should be properly implemented for all existing and incoming
 construction vessels with continuous and regularly checking to ensure effective implementation of
 acoustic decoupling measures.

Water Quality Impact

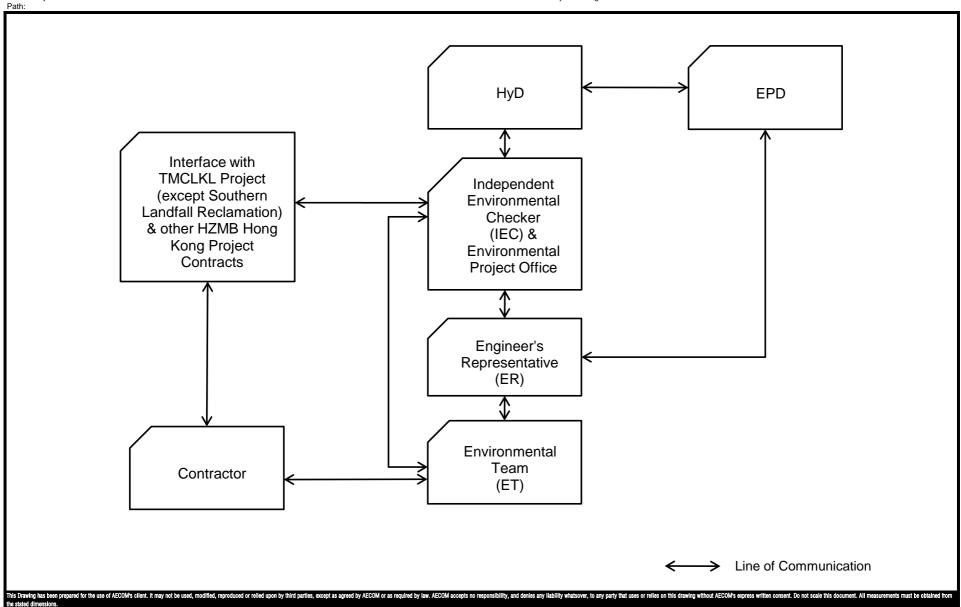
- Regular review and maintenance of silt curtain systems, drainage systems and desilting facilities in order to make sure they are functioning effectively.
- Construction of seawall should be completed as early as possible.
- Regular inspect and review the loading process from barges to avoid splashing of material.
- Silt, debris and leaves accumulated at public drains, wheel washing bays and perimeter uchannels and desilting facilities should be cleaned up regularly.
- Silty effluent should be treated/ desilted before discharged. Untreated effluent should be prevented from entering public drain channel.
- Proper drainage channels/bunds should be provided at the site boundaries to collect/intercept the surface run-off from works areas.
- Exposed slopes and stockpiles should be covered up properly during rainstorm.

Chemical and Waste Management

- All types of wastes, both on land and floating in the sea, should be collected and sorted properly
 and disposed of timely and properly. They should be properly stored in designated areas within
 works areas temporarily.
- All chemical containers, batteries and oil drums should be properly stored and labelled.
- All plants and vehicles on site should be properly maintained to prevent oil leakage. Proper measures, like drip trays and/or bundings, should be provided for retaining leaked oil/chemical from plants.
- All kinds of maintenance works should be carried out within roofed, paved and confined areas.
- All drain holes of the drip trays utilized within works areas should be properly plugged to avoid any oil and chemical waste leakage.
- Oil stains on soil surface, accumulated oil mixture and empty chemical containers should be cleared and disposed of as chemical waste.
- Regular review should be conducted for working barges and patrol boats to ensure sufficient
 measures and spill control kits were provided on working barges and patrol boats to avoid any
 spreading of leaked oil/chemicals.

Landscape and Visual Impact

- All existing, retained/transplanted trees at the works areas should be properly fenced off and regularly inspected.
- Control night-time lighting and glare by hooding all lights.

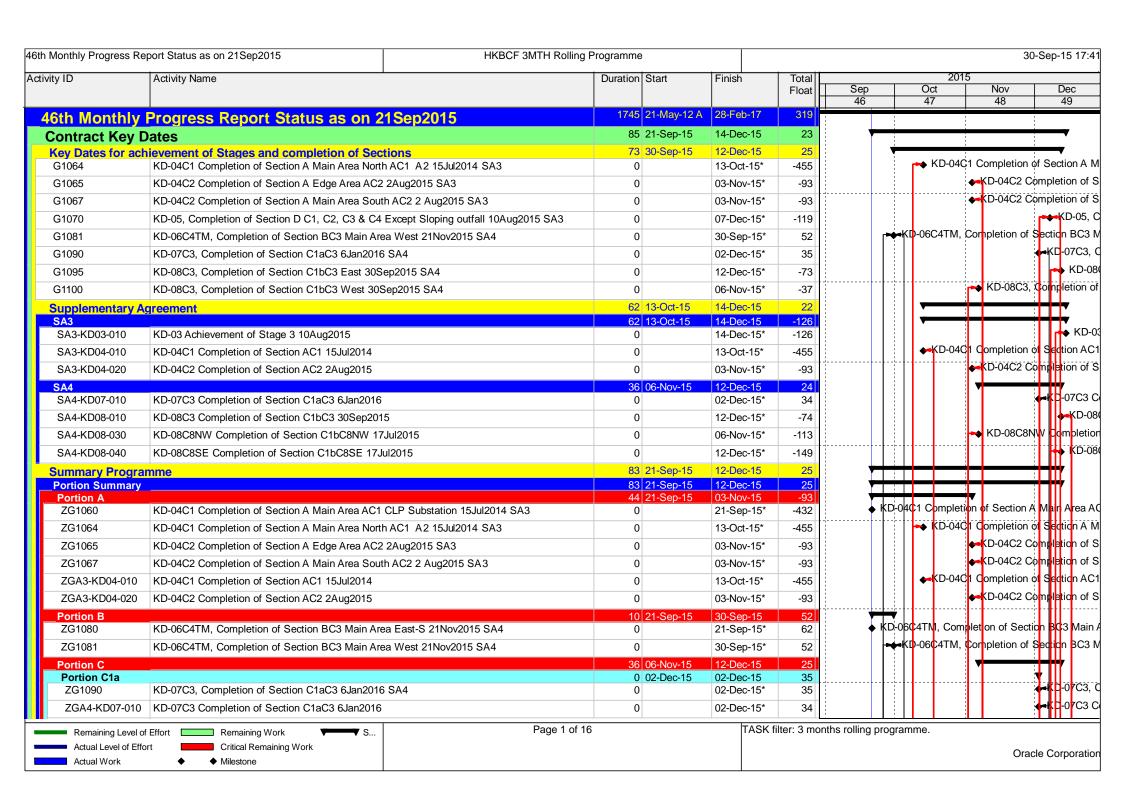


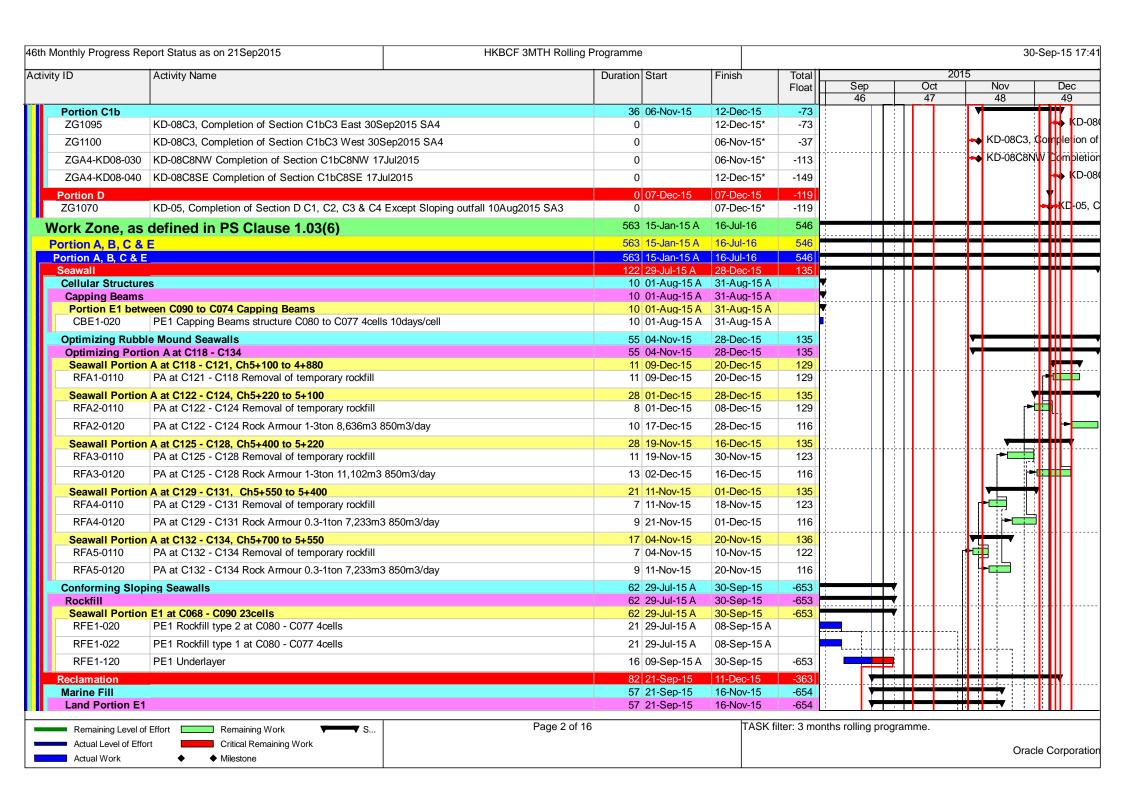
HONG KONG - ZHUHAI - MACAO BRIDGE HONG KONG BOUNDARY CROSSING FACILITIES --RECLAMATION WORKS

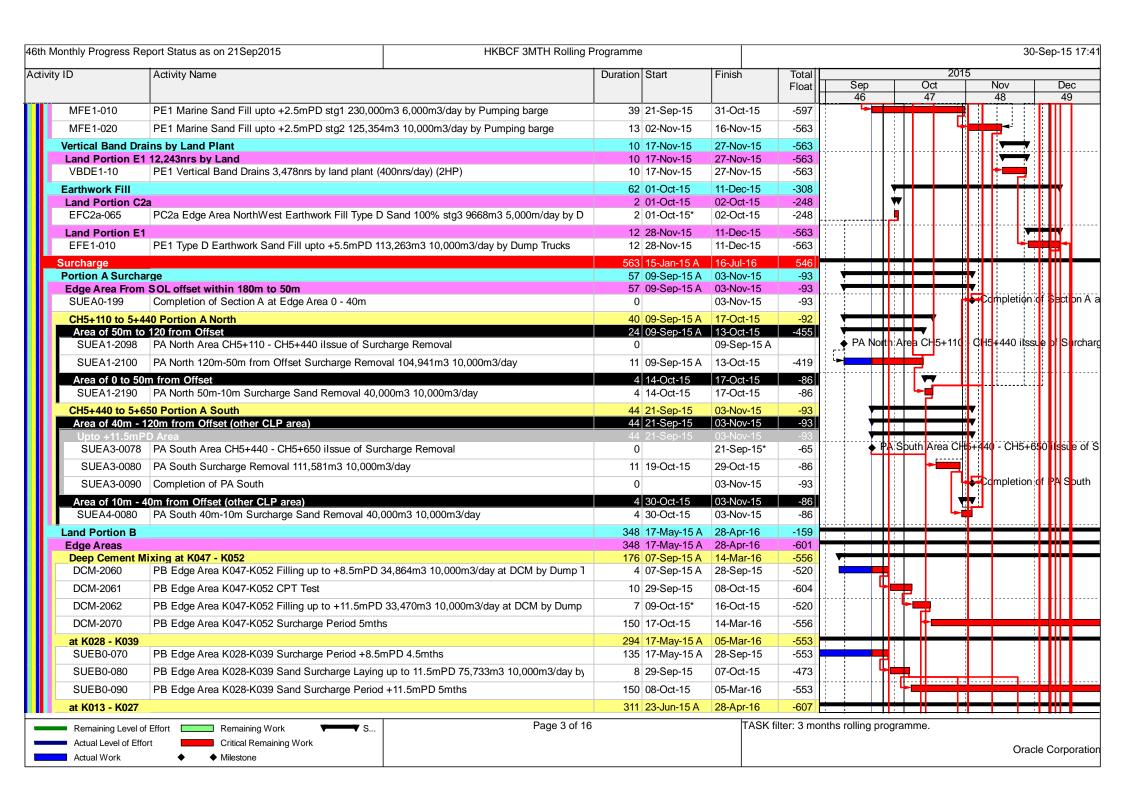
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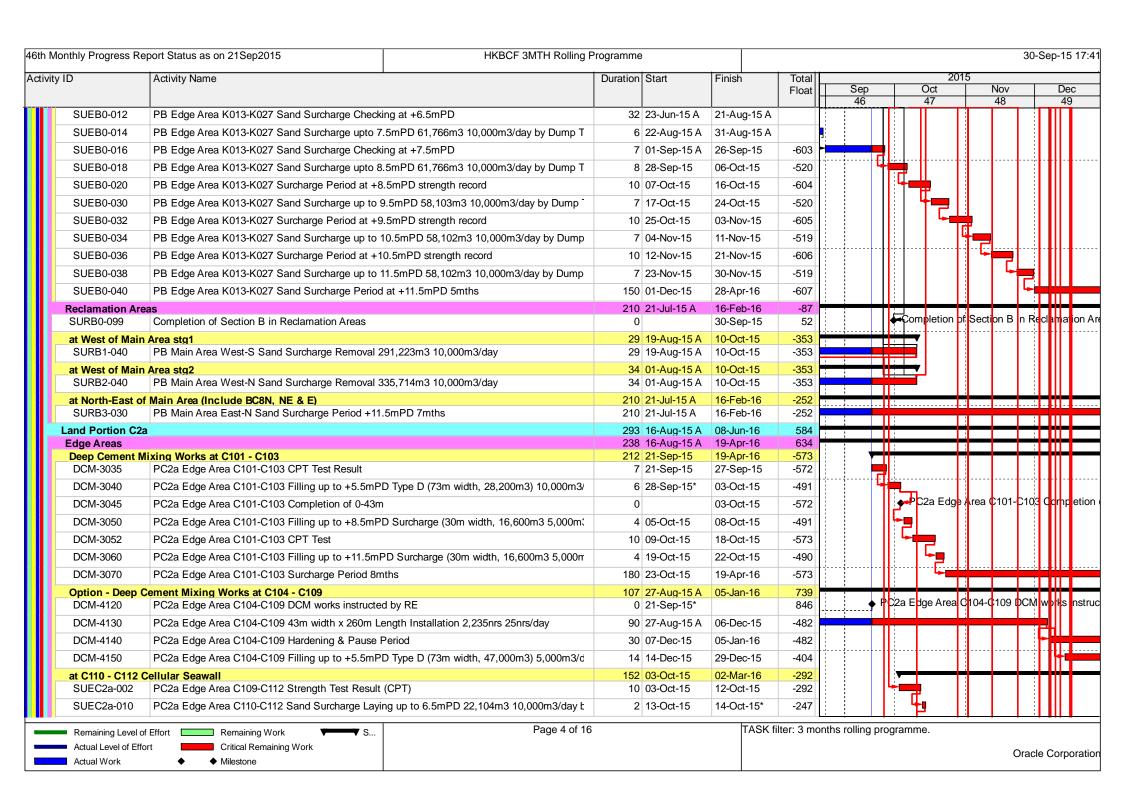


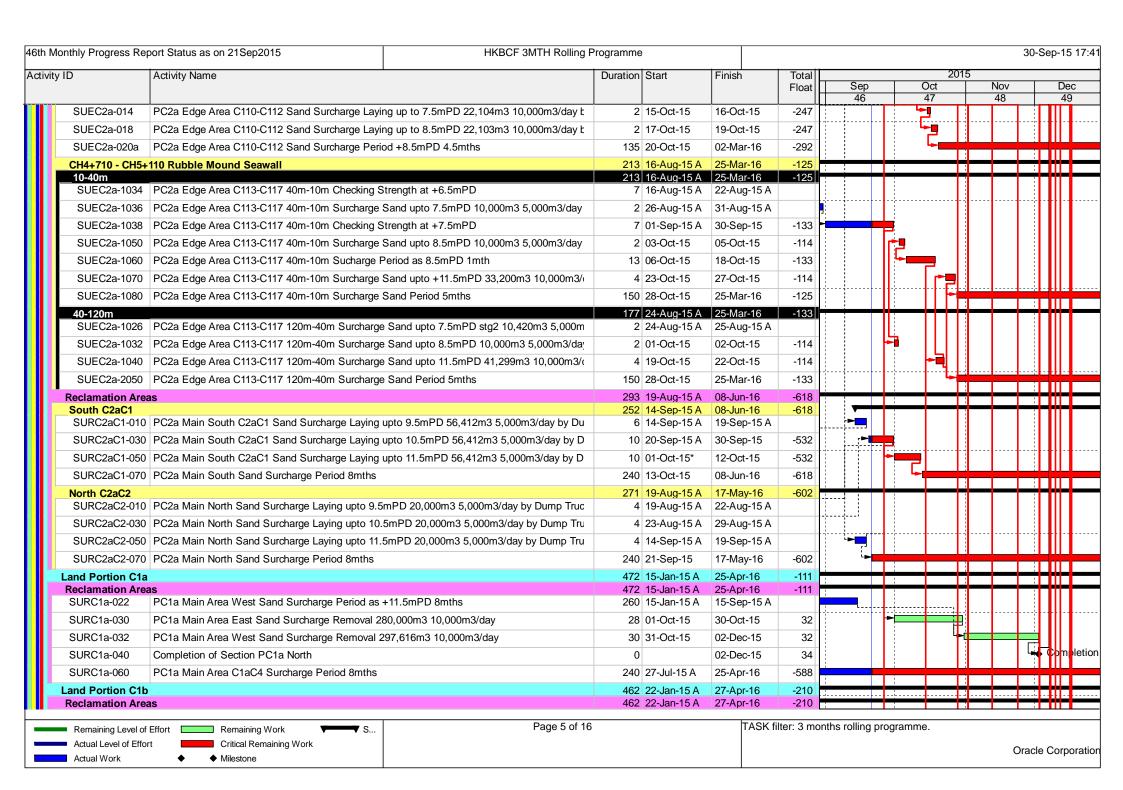


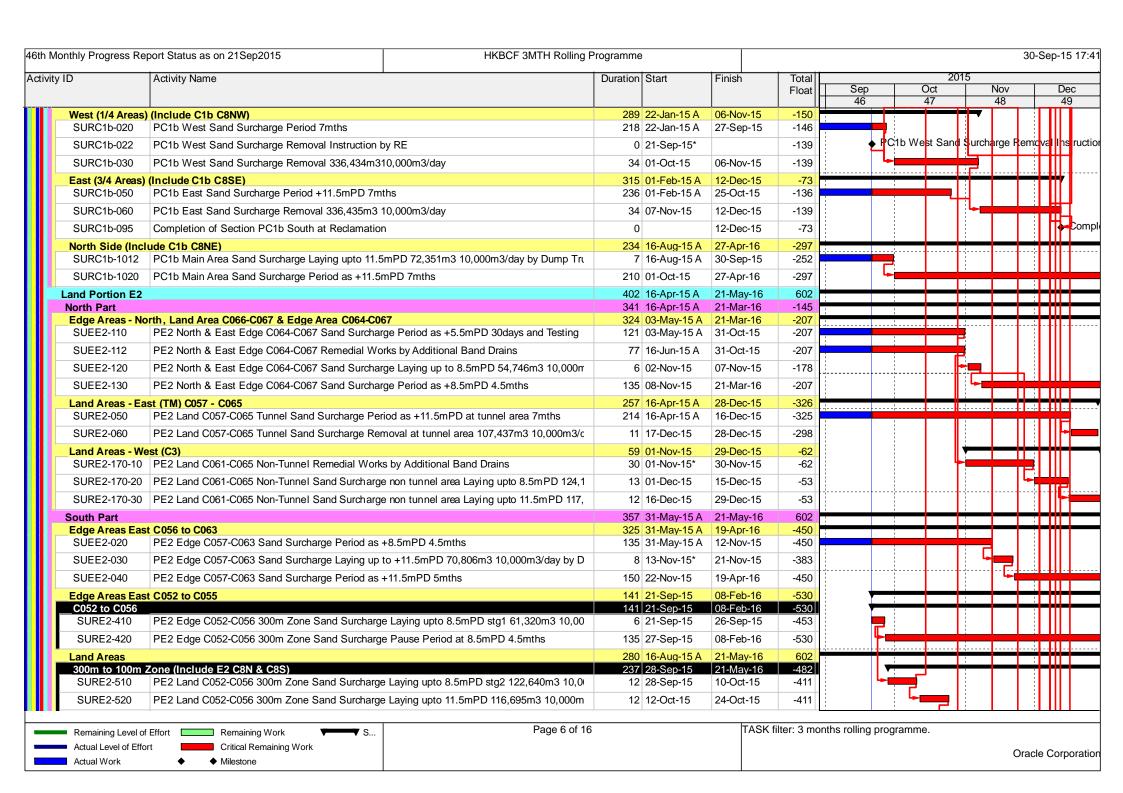


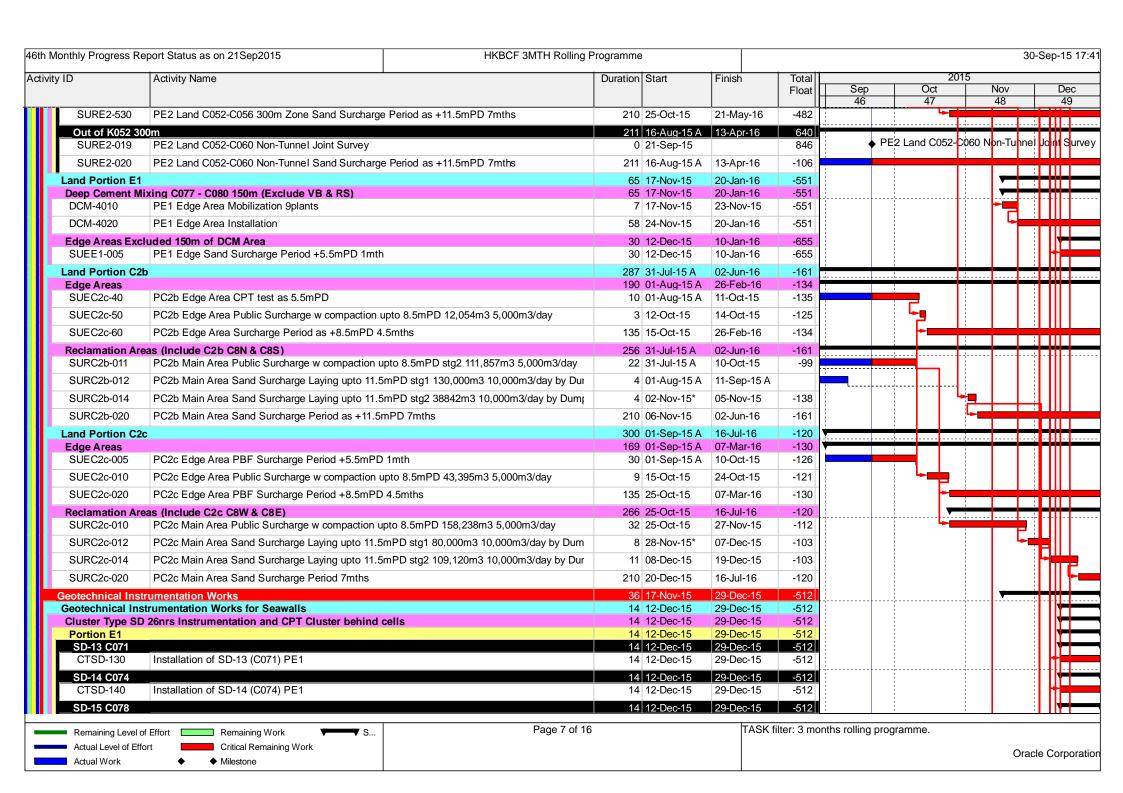


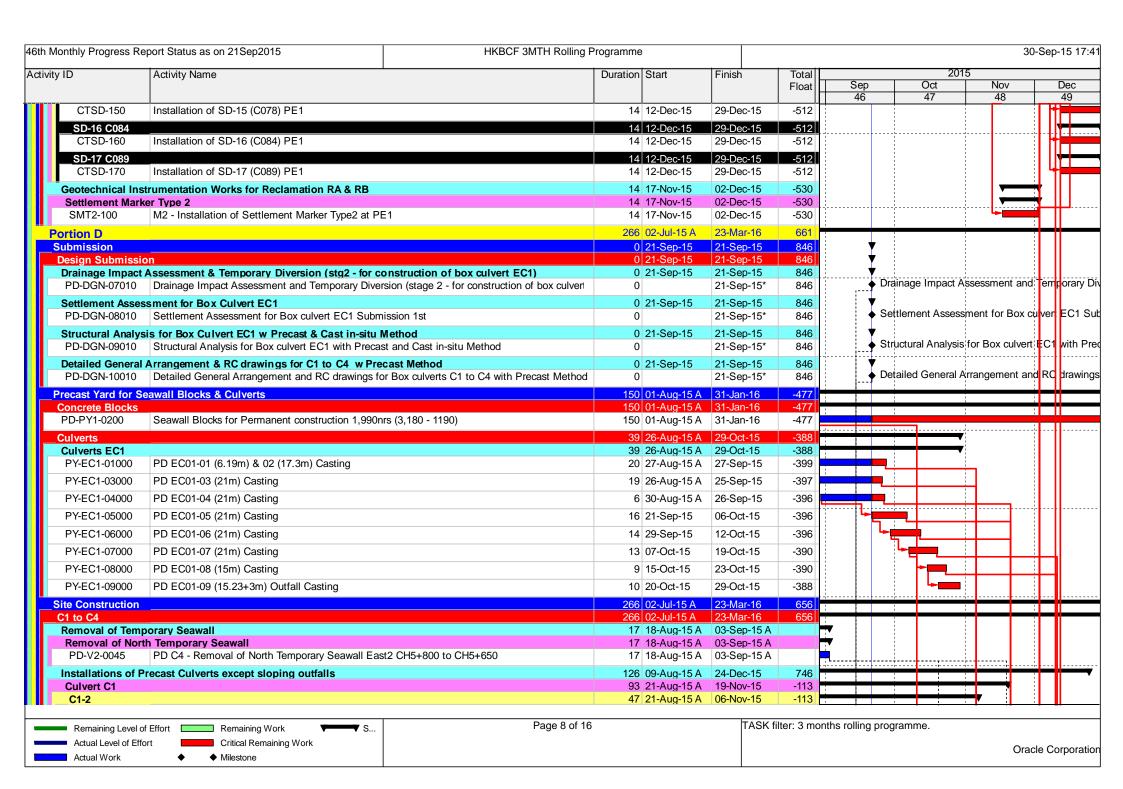


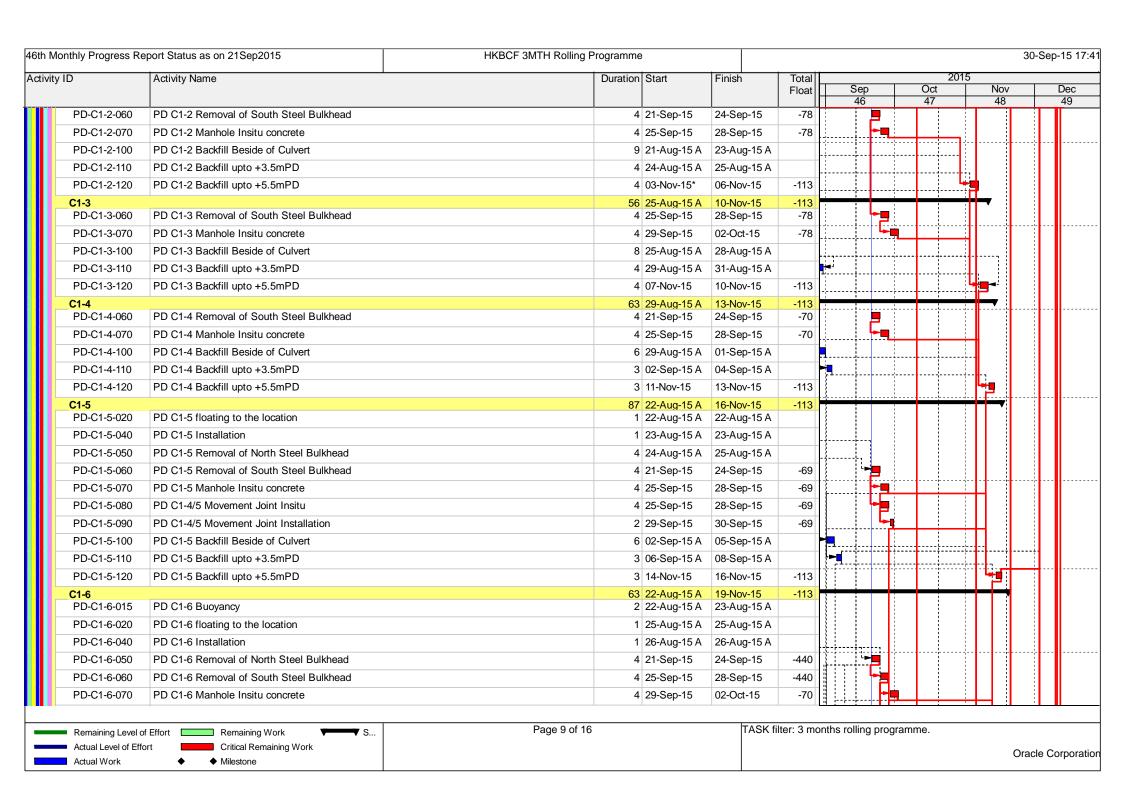


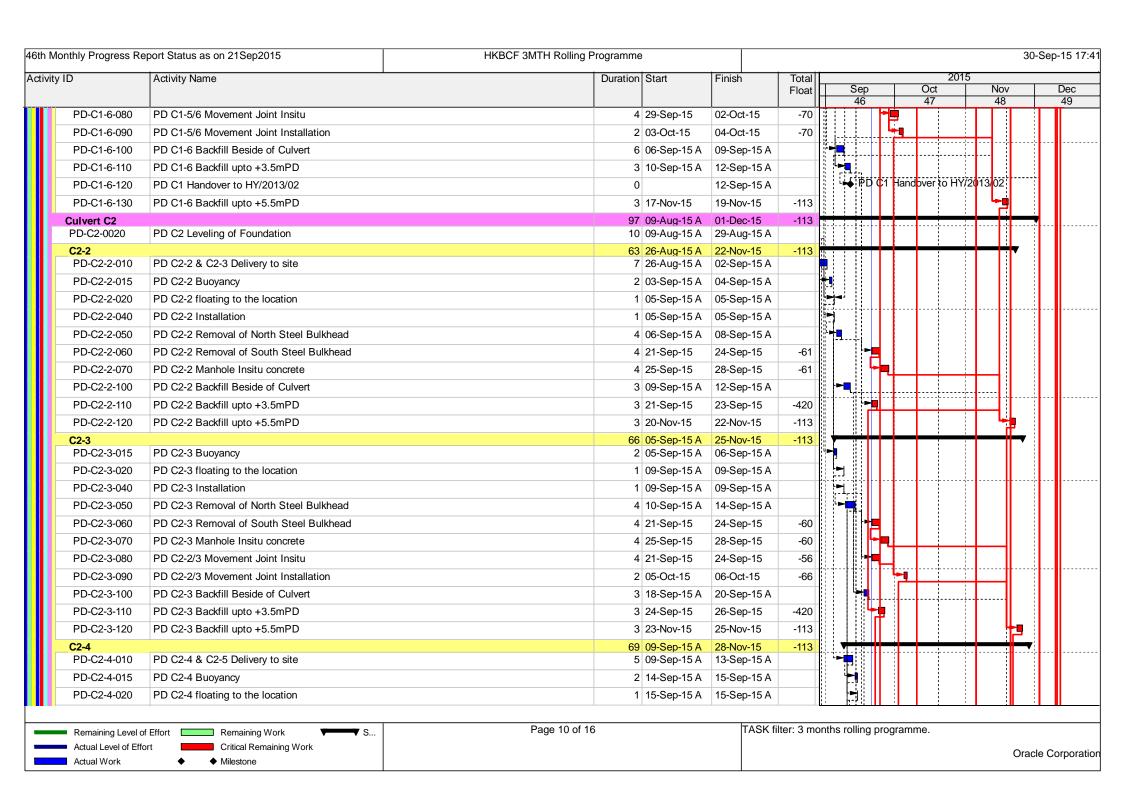


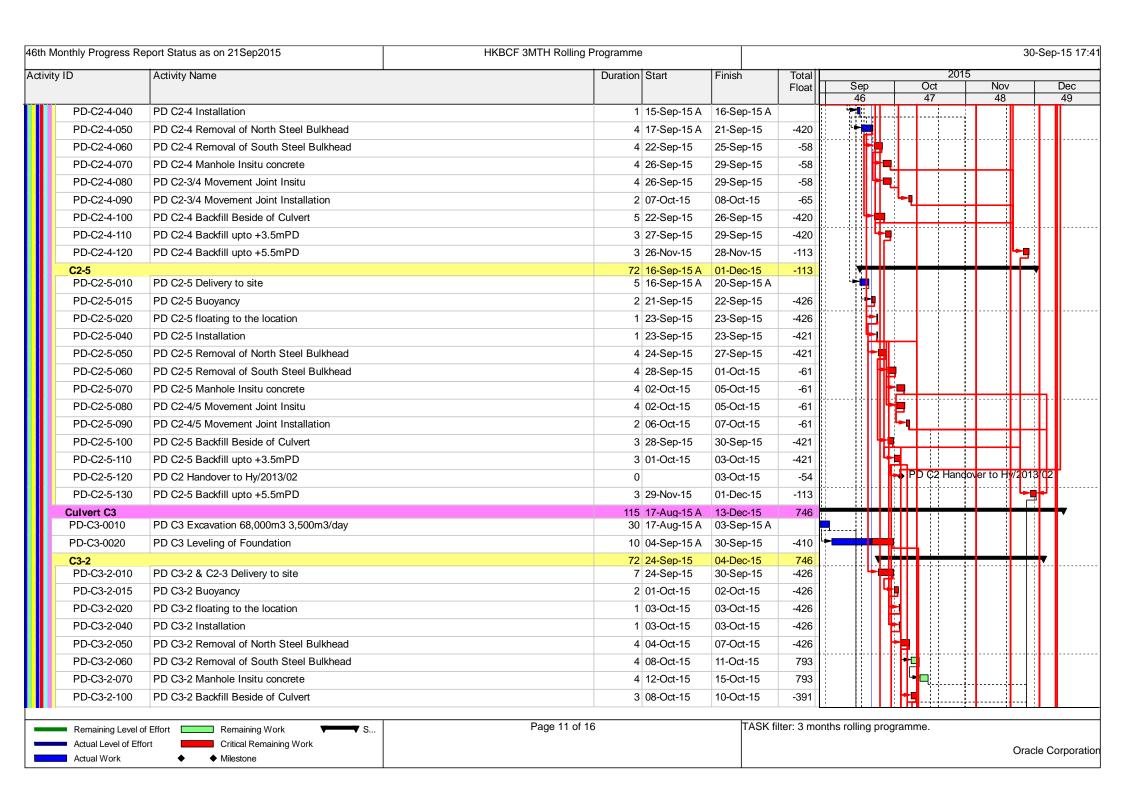








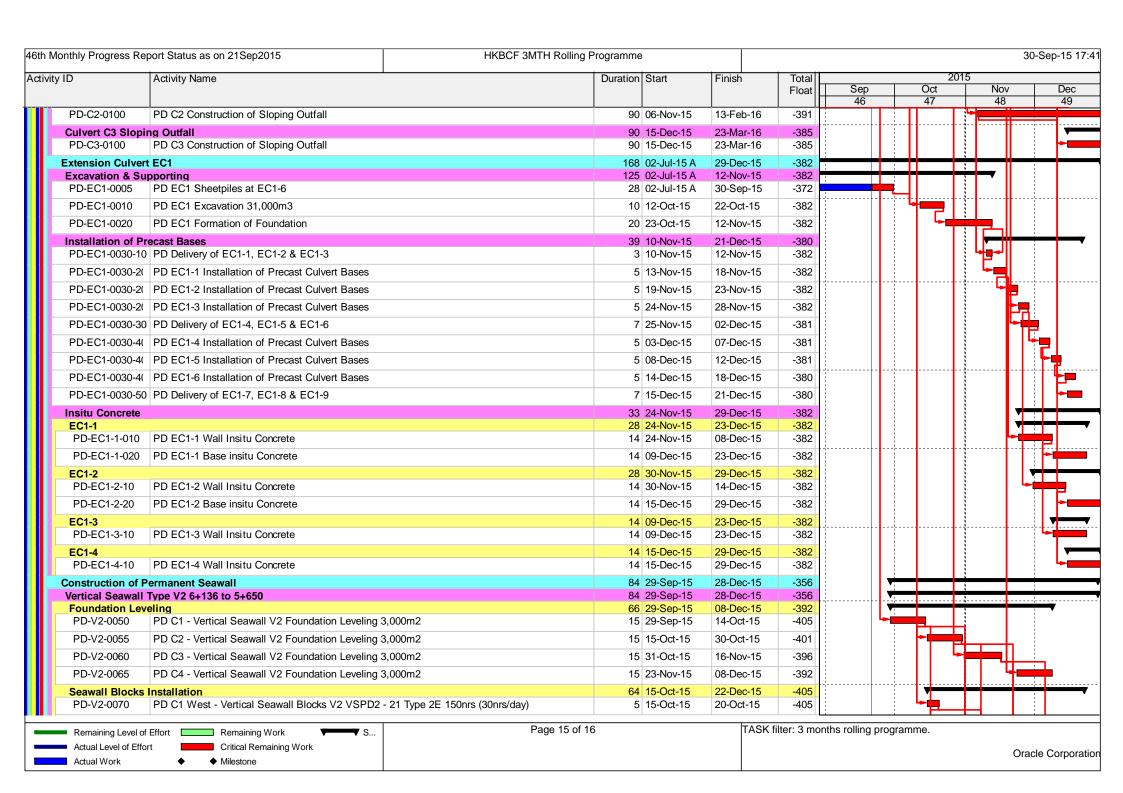




/ ID	Activity Name	Duration Start	Finish	Total			2015				
				Float	Sep 46		Oct 47		Nov 48	—	
PD-C3-2-110	PD C3-2 Backfill upto +3.5mPD	3 11-Oct-15	13-Oct-15	-389		ТП	4	$\overline{}$			T
PD-C3-2-120	PD C3-2 Backfill upto +5.5mPD	3 02-Dec-15	04-Dec-15	746						L=10	
C3-3	•	65 04-Oct-15	07-Dec-15	746							i
PD-C3-3-015	PD C3-3 Buoyancy	2 04-Oct-15	05-Oct-15	-424				,			
PD-C3-3-020	PD C3-3 floating to the location	1 08-Oct-15	08-Oct-15	-426			≝	,			
PD-C3-3-040	PD C3-3 Installation	1 08-Oct-15	08-Oct-15	-418			▋				
PD-C3-3-050	PD C3-3 Removal of North Steel Bulkhead	4 09-Oct-15	12-Oct-15	-418			- ∰ ∷				ı
PD-C3-3-060	PD C3-3 Removal of South Steel Bulkhead	4 13-Oct-15	16-Oct-15	789							t
PD-C3-3-070	PD C3-3 Manhole Insitu concrete	4 17-Oct-15	20-Oct-15	789			1				ı
PD-C3-3-080	PD C3-2/3 Movement Joint Insitu	4 17-Oct-15	20-Oct-15	789				i			ı
PD-C3-3-090	PD C3-2/3 Movement Joint Installation	2 21-Oct-15	22-Oct-15	789			□	1			
PD-C3-3-100	PD C3-3 Backfill Beside of Culvert	3 13-Oct-15	15-Oct-15	-393			4				
PD-C3-3-110	PD C3-3 Backfill upto +3.5mPD	3 16-Oct-15	18-Oct-15	-391			-	1			1
PD-C3-3-120	PD C3-3 Backfill upto +5.5mPD	3 05-Dec-15	07-Dec-15	746					į	ļ, p	ı
C3-4	<u>'</u>	63 09-Oct-15	10-Dec-15	746				-		<u> </u>	╬
PD-C3-4-010	PD C3-4 & C2-5 Delivery to site	5 09-Oct-15	13-Oct-15	-426			-∰				ı
PD-C3-4-015	PD C3-4 Buoyancy	2 14-Oct-15	15-Oct-15	-426			L				ı
PD-C3-4-020	PD C3-4 floating to the location	1 16-Oct-15	16-Oct-15	-426	11						1
PD-C3-4-040	PD C3-4 Installation	1 16-Oct-15	16-Oct-15	-421							ı
PD-C3-4-050	PD C3-4 Removal of North Steel Bulkhead	4 17-Oct-15	20-Oct-15	-421							ı
PD-C3-4-060	PD C3-4 Removal of South Steel Bulkhead	4 21-Oct-15	24-Oct-15	784				4			ı
PD-C3-4-070	PD C3-4 Manhole Insitu concrete	4 25-Oct-15	28-Oct-15	784							ı
PD-C3-4-080	PD C3-3/4 Movement Joint Insitu	4 25-Oct-15	28-Oct-15	784				-			
PD-C3-4-090	PD C3-3/4 Movement Joint Installation	2 29-Oct-15	30-Oct-15	784							ı
PD-C3-4-100	PD C3-4 Backfill Beside of Culvert	3 21-Oct-15	23-Oct-15	-398			▋₩	, 111		[
PD-C3-4-110	PD C3-4 Backfill upto +3.5mPD	3 24-Oct-15	26-Oct-15	-396			- □	-			
PD-C3-4-120	PD C3-4 Backfill upto +5.5mPD	3 08-Dec-15	10-Dec-15	746				П		-	d
C3-5		58 17-Oct-15	13-Dec-15	746			···				1
PD-C3-5-010	PD C3-5 & C4-2 Delivery to site	7 17-Oct-15	23-Oct-15	-426			الم	,			
PD-C3-5-015	PD C3-5 Buoyancy	2 24-Oct-15	25-Oct-15	-426			4	9			١
PD-C3-5-020	PD C3-5 floating to the location	1 26-Oct-15	26-Oct-15	-426				-			ı
PD-C3-5-040	PD C3-5 Installation	1 26-Oct-15	26-Oct-15	-426			4	<mark>-}</mark> ∏-1,::			ı
PD-C3-5-050	PD C3-5 Removal of North Steel Bulkhead	4 27-Oct-15	30-Oct-15	-405		-1-1		##: 1			ľ
PD-C3-5-060	PD C3-5 Removal of South Steel Bulkhead	4 31-Oct-15	03-Nov-15	777				-			
PD-C3-5-070	PD C3-5 Manhole Insitu concrete	4 04-Nov-15	07-Nov-15	777							ı
				<u> </u>			- 1	III II: 11		:1-1	_
Remaining Level	of Effort Remaining Work	Page 12 of 16	TASK f	ilter: 3 month	s rolling	progra	mme.				

ty ID	Activity Name	Duration Start	Finish	Total			2015		
				Float	Sep 46	Oct 47		lov 18	De 49
PD-C3-5-080	PD C3-4/5 Movement Joint Insitu	4 04-Nov-15	07-Nov-15	777					\prod
PD-C3-5-090	PD C3-4/5 Movement Joint Installation	2 08-Nov-15	09-Nov-15	777			 -q		-
PD-C3-5-100	PD C3-5 Backfill Beside of Culvert	3 31-Oct-15	02-Nov-15	-405					1
PD-C3-5-110	PD C3-5 Backfill upto +3.5mPD	3 03-Nov-15	05-Nov-15	-403			║╚┋		Ш
PD-C3-5-120	PD C3 Handover to Hy/2013/02	0	05-Nov-15	-87			PD	C3 Hand	over to
PD-C3-5-130	PD C3-5 Backfill upto +5.5mPD	3 11-Dec-15	13-Dec-15	746					 -
Culvert C4		95 19-Sep-15 A	24-Dec-15	746	 				
PD-C4-0010	PD C4 Excavation 68,000m3 3,500m3/day	30 19-Sep-15 A	15-Oct-15	-425	+				
PD-C4-0020	PD C4 Leveling of Foundation 3,450m2 200m2/day	10 16-Oct-15	25-Oct-15	-425				-	
C4-2		51 27-Oct-15	16-Dec-15	746				╫┈╢	
PD-C4-2-015	PD C4-2 Buoyancy	2 27-Oct-15	28-Oct-15	-426		"	# 11		
PD-C4-2-020	PD C4-2 floating to the location	1 29-Oct-15	29-Oct-15	-426					
PD-C4-2-040	PD C4-2 Installation	1 29-Oct-15	29-Oct-15	-419			#14		
PD-C4-2-050	PD C4-2 Removal of North Steel Bulkhead	4 30-Oct-15	02-Nov-15	-417					
PD-C4-2-060	PD C4-2 Removal of South Steel Bulkhead	4 03-Nov-15	06-Nov-15	-409			∥Ч		
PD-C4-2-070	PD C4-2 Manhole Insitu concrete	4 07-Nov-15	10-Nov-15	779			-		
PD-C4-2-100	PD C4-2 Backfill Beside of Culvert	3 07-Nov-15	09-Nov-15	-409			╟┞╅ <u>┓</u>		
PD-C4-2-110	PD C4-2 Backfill upto +3.5mPD	3 10-Nov-15	12-Nov-15	-407	: :				
PD-C4-2-120	PD C4-2 Backfill upto +5.5mPD	3 14-Dec-15	16-Dec-15	746					<u>_</u>
C4-3		51 30-Oct-15	19-Dec-15	746			┩	╫┈╢	
PD-C4-3-010	PD C4-3 Delivery to site	5 30-Oct-15	03-Nov-15	-426		ļ	"# 		
PD-C4-3-015	PD C4-3 Buoyancy	2 04-Nov-15	05-Nov-15	-426			4		
PD-C4-3-020	PD C4-3 floating to the location	1 06-Nov-15	06-Nov-15	-426					
PD-C4-3-040	PD C4-3 Installation	1 06-Nov-15	06-Nov-15	-420			14		
PD-C4-3-050	PD C4-3 Removal of North Steel Bulkhead	4 07-Nov-15	10-Nov-15	-420			│ │ ┪ <u>╒</u> ┃		
PD-C4-3-060	PD C4-3 Removal of South Steel Bulkhead	4 11-Nov-15	14-Nov-15	-414			╽╏╚╬		
PD-C4-3-070	PD C4-3 Manhole Insitu concrete	4 15-Nov-15	18-Nov-15	774				4	
PD-C4-3-080	PD C4-2/3 Movement Joint Insitu	4 15-Nov-15	18-Nov-15	772			T:		
PD-C4-3-090	PD C4-2/3 Movement Joint Installation	2 19-Nov-15	20-Nov-15	772				-	
PD-C4-3-100	PD C4-3 Backfill Beside of Culvert	3 15-Nov-15	17-Nov-15	-414					
PD-C4-3-110	PD C4-3 Backfill upto +3.5mPD	3 18-Nov-15	20-Nov-15	-412			[[]	- <u> </u>	
PD-C4-3-120	PD C4-3 Backfill upto +5.5mPD	3 17-Dec-15	19-Dec-15	746					جا
C4-4	·	48 07-Nov-15	24-Dec-15	746			-† <u>-</u>		
PD-C4-4-010	PD C4-4 Delivery to site	5 07-Nov-15	11-Nov-15	-426			4		. []
PD-C4-4-015	PD C4-4 Buoyancy	2 12-Nov-15	13-Nov-15	-426			<u> </u>		
Remaining Level o	of Effort Remaining Work	Page 13 of 16	TACK	iltar: 3 manti	ns rolling pro	ogramme			

/ ID	Activity Name	Duration Start	Finish	Total			2015		
,				Float	Sep 46	Oc. 47		Nov 48	
PD-C4-4-020	PD C4-4 floating to the location	1 14-Nov-15	14-Nov-15	-426	<u>;</u>				П
PD-C4-4-040	PD C4-4 Installation	1 14-Nov-15	14-Nov-15	-423			1	<u> </u>	
PD-C4-4-050	PD C4-4 Removal of North Steel Bulkhead	4 15-Nov-15	18-Nov-15	-423	····				
PD-C4-4-060	PD C4-4 Removal of South Steel Bulkhead	4 19-Nov-15	22-Nov-15	-419			, i		
PD-C4-4-070	PD C4-4 Manhole Insitu concrete	4 23-Nov-15	26-Nov-15	767			1	-	1
PD-C4-4-080	PD C4-3/4 Movement Joint Insitu	4 23-Nov-15	26-Nov-15	767					
PD-C4-4-090	PD C4-3/4 Movement Joint Installation	2 27-Nov-15	28-Nov-15	767			, i	 	
PD-C4-4-100	PD C4-4 Backfill Beside of Culvert	5 23-Nov-15	27-Nov-15	-419					}
PD-C4-4-110	PD C4-4 Backfill upto +3.5mPD	5 28-Nov-15	02-Dec-15	-419			1	-	į
PD-C4-4-120	PD C4-4 Backfill upto +5.5mPD	5 20-Dec-15	24-Dec-15	746			1		
C4-5		23 15-Nov-15	07-Dec-15	763				│ ▼∰┿ ┿	┤ ┯┃
PD-C4-5-010	PD C4-5 Delivery to site	5 15-Nov-15	19-Nov-15	-426	j.			-	
PD-C4-5-015	PD C4-5 Buoyancy	2 20-Nov-15	21-Nov-15	-426			h h h	4911	
PD-C4-5-020	PD C4-5 floating to the location	1 22-Nov-15	22-Nov-15	-426			į		
PD-C4-5-040	PD C4-5 Installation	1 22-Nov-15	22-Nov-15	-426				F	
PD-C4-5-050	PD C4-5 Removal of North Steel Bulkhead	4 23-Nov-15	26-Nov-15	-418			i	H	
PD-C4-5-060	PD C4-5 Removal of South Steel Bulkhead	4 27-Nov-15	30-Nov-15	764			1	Ⅱ	4
PD-C4-5-070	PD C4-5 Manhole Insitu concrete	4 01-Dec-15	04-Dec-15	764				1111	
PD-C4-5-080	PD C4-4/5 Movement Joint Insitu	4 01-Dec-15	04-Dec-15	764			, i	4	
PD-C4-5-090	PD C4-4/5 Movement Joint Installation	2 05-Dec-15	06-Dec-15	764			1		4 ∙0
PD-C4-5-100	PD C4-5 Backfill Beside of Culvert	5 28-Nov-15	02-Dec-15	-419				║┕┪	
PD-C4-5-110	PD C4-5 Backfill upto +3.5mPD	5 03-Dec-15	07-Dec-15	-419			6 6 8	ا اا	7
PD-C4-5-120	PD C4 Handover to Hy/2013/02	0	07-Dec-15	-119					Ę.
Permanent Acce	ss to Portion A	85 21-Sep-15	14-Dec-15	-126	₩	+	- 1		╬┼┼┼
PD-A2080	PD - C1 Divert Access	21 21-Sep-15	11-Oct-15	-426	١,		1	$-\!\!\!\!+\!\!\!\!\!-$	##
PD-A2090	PD - C2 Divert Access	21 04-Oct-15	24-Oct-15	-421		4			##
PD-A2100	PD - C3 & C4 Divert Access	7 08-Dec-15	14-Dec-15	-419					- E
PD-A2140	Completion of Access to PA	0	14-Dec-15	-126			1 2		7
	porary Access to Portion A	71 12-Oct-15	21-Dec-15	-419				$-\parallel$	\Box
PD-A1100	PD C1 - Removal of Temporary Access	7 12-Oct-15	18-Oct-15	-426				$-\!\!\!+\!\!\!\!-$	\vdash
PD-A1110	PD C2 - Removal of Temporary Access	7 25-Oct-15	31-Oct-15	-421			1	$-\!\!\!+\!\!\!\!-$	+
PD-A1120	PD C3 & C4 - Removal of Temporary Access	7 15-Dec-15	21-Dec-15	-419				<u></u>	-
Construction of Culvert C1 Slop	Sloping Outfalls	143 19-Oct-15 90 19-Oct-15	23-Mar-16 22-Jan-16	-385 -391			—		
PD-C1-0100	PD C1 Construction of Sloping Outfall	90 19-Oct-15	22-Jan-16	-391		-		_	
Culvert C2 Slop	ing Outfall	90 06-Nov-15	13-Feb-16	-391					<u> </u>
Remaining Level	of Effort Remaining Work ▼ S	Page 14 of 16	TASK	filter: 3 mont	hs rolling pr	rogramme.			



y ID	Activity Name	me Duration Start Finish		Total	2015				
				Float	Sep 46	Oct 47	Nov 48	D ₄	
PD-V2-0080	PD C1 - Vertical Seawall Blocks V2 VSPD1 - 18 Type 2A & 2A5 404nrs (30nrs/day)	14 21-Oct-15	04-Nov-15	-405	40	47	40	+ -	
PD-V2-0090	PD C1/C2 - Vertical Seawall Blocks V2 VSOP18 - 17 Type 2A4 202nrs (30nrs/day)	7 05-Nov-15	11-Nov-15	-405			-		
PD-V2-0100	PD C2 - Vertical Seawall Blocks V2 VSOP17 - 14 Type 2A3 & 2A 404nrs (30nrs/day)	13 12-Nov-15	25-Nov-15	-405			-		
PD-V2-0110	PD C2/C3 - Vertical Seawall Blocks V2 VSOP14 - 12 Type 2A & 2A 404nrs (30nrs/day)	13 26-Nov-15	09-Dec-15	-405				-;	
PD-V2-0120	PD C3 - Vertical Seawall Blocks V2 VSOP12 - 09 Type 2D & 2A 368nrs (30nrs/day)	12 10-Dec-15	22-Dec-15	-405				F	
Rockfill Type	2 behind seawall	30 12-Nov-15	14-Dec-15	-395			—	-	
PD-V2-0180	PD C1 West - Vertical Seawall V2 Rockf ill Type 2 VSPD2 to 20 1,400m3	2 12-Nov-15	13-Nov-15	-389			<u> </u>		
PD-V2-0190	PD C1/C2 - Vertical Seawall V2 Rockf ill Type 2 VSOP19 to 16 2,100m3	3 26-Nov-15	28-Nov-15	-388		1	L- <u>∎</u>		
PD-V2-0200	PD C2/C3 - Vertical Seawall V2 Rockf ill Type 2 VSOP15 to 11 3,400m3	4 10-Dec-15	14-Dec-15	-395		-		-	
Geotextile Typ	pe 1	33 14-Nov-15	19-Dec-15	-395				+	
PD-V2-0230	PD C1 West - Vertical Seawall V2 Geotextile Type 1 VSOP22 to 20 1,000m2	2 14-Nov-15	16-Nov-15	-389			┗ ■		
PD-V2-0240	PD C1/C2 - Vertical Seawall V2 Geotextile Type 1 VSOP19 to 16 1,500m2	3 30-Nov-15	02-Dec-15	-388				•	
PD-V2-0250	PD C2/C3 - Vertical Seawall V2 Geotextile Type 1 VSOP15 to 11 2,400m2	5 15-Dec-15	19-Dec-15	-395				┆╴┡┪	
Reclamation	upto +3.25mPD	39 17-Nov-15	28-Dec-15	-395		-	▼		
PD-V2-0280	PD C1 West - Vertical Seawall V2 backfill with compaction upto +3.25mPD VSOP22 to 20	6 17-Nov-15	22-Nov-15	-389			 -		
PD-V2-0290	PD C1/C2 - Vertical Seawall V2 backfill with compaction upto +3.25mPD VSOP20 to 16	6 03-Dec-15	08-Dec-15	-388				†	
PD-V2-0300	PD C2/C3 - Vertical Seawall V2 backfill with compaction upto +3.25mPD VSOP16 to 11	8 20-Dec-15	28-Dec-15	-395					
Insitu Concre		27 23-Nov-15	21-Dec-15	-389			—		
PD-V2-0330	PD C1 West - Vertical Seawall V2 Insitu Coping VSOP22 to 20 8bays	16 23-Nov-15	09-Dec-15	-389			└ -■		
PD-V2-0340	PD C1/C2 - Vertical Seawall V2 Insitu Coping VSOP20 to 16 11bays	11 10-Dec-15	21-Dec-15	-389					
	upto +5.5mPD	4 10-Dec-15	14-Dec-15	-343				-	
PD-V2-0380	PD C1 - Vertical Seawall V2 backfill with compaction upto +5.5mPD VSOP22 to 20	4 10-Dec-15	14-Dec-15	-343					
Vorks Area V	VA2 (Tung Chung)	1434 21-May-12 A	28-Feb-17	0		i	i		
Zone A		1434 21-May-12 A	28-Feb-17	0		1	T.	†	
A1880	Maintenance of Engineer's Accommodation	1434 21-May-12 A		0		1			
Vorks Area T	KO Fill Bank	1254 25-Sep-12 A	30-Nov-16	0		1 1 1	1	1	
WA-TKO-1040	Operate and Maintain Public Fill Sorting Facilities in Zone A, B1 & B2	1254 25-Sep-12 A	30-Nov-16	0					

Appendix C - Implementation Schedule of Environmental Mitigation Measures

EIA Ref.	EM&A Log	Environmental Mitigation Measures	Location	Implementation
	Ref			Status
Air Quality				
S5.5.6.1 of	A1	The contractor shall follow the procedures and requirements given in the Air Pollution	All construction sites	V
HKBCFEIA		Control (Construction Dust) Regulation		
S5.5.6.2 of	A2	Proper watering of exposed spoil should be undertaken throughout the construction	All construction sites	V
HKBCFEIA		phase:		
and S4.8.1 of		Any excavated or stockpile of dusty material should be covered entirely by		
TKCLKLEIA		impervious sheeting or sprayed with water to maintain the entire surface wet and		
		then removed or backfilled or reinstated where practicable within 24 hours of the		
		excavation or unloading;		
		Any dusty materials remaining after a stockpile is removed should be wetted with		
		water and cleared from the surface of roads;		
		A stockpile of dusty material should not be extend beyond the pedestrian barriers,		
		fencing or traffic cones.		
		Where practicable, vehicle washing facilities with high pressure water jet should be		
		provided at every discernible or designated vehicle exit point. The area where		
		vehicle washing takes place and the road section between the washing facilities		
		and the exit point should be paved with concrete, bituminous materials or		
		hardcores;		
		When there are open excavation and reinstatement works, hoarding of not less		
		than 2.4m high should be provided as far as practicable along the site boundary		

EIA Ref.	EM&A Log	Environmental Mitigation Measures	Location	Implementation
	Ref			Status
		with provision for public crossing. Good site practice shall also be adopted by the		
		Contractor to ensure the conditions of the hoardings are properly maintained		
		throughout the construction period;		
		The portion of any road leading only to construction site that is within 30m of a		
		vehicle entrance or exit should be kept clear of dusty materials;		
		Surfaces where any pneumatic or power-driven drilling, cutting, polishing or other		
		mechanical breaking operation takes place should be sprayed with water or a dust		
		suppression chemical continuously;		
		Any area that involves demolition activities should be sprayed with water or a dust		
		suppression chemical immediately prior to, during and immediately after the		
		activities so as to maintain the entire surface wet;		
		Where a scaffolding is erected around the perimeter of a building under		
		construction, effective dust screens, sheeting or netting should be provided to		
		enclose the scaffolding from the ground floor level of the building, or a canopy		
		should be provided from the first floor level up to the highest level of the scaffolding;		
		Any skip hoist for material transport should be totally enclosed by impervious		
		sheeting;		
		Every stock of more than 20 bags of cement or dry pulverised fuel ash (PFA)		
		should be covered entirely by impervious sheeting or placed in an area sheltered		
		on the top and the 3 sides;		
		Cement or dry PFA delivered in bulk should be stored in a closed silo fitted with an		

EIA Ref.	EM&A Log	Environmental Mitigation Measures	Location	Implementation
	Ref			Status
		audible high level alarm which is interlocked with the material filling line and no		
		overfilling is allowed;		
		All unpaved roads/exposed area shall be watered which results in dust suppression		
		by forming moist cohesive films among the discrete grains of road surface material.		
		No burning of debris or other materials on the works areas is allowed;		
		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;		
		Open dropping heights for excavated materials shall be controlled to a maximum		
		height of 2m to minimise the fugitive dust arising from unloading;		
		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.		
		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;		
		Loading, unloading, transfer, handling or storage of bulk cement or dry PFA should		
		be carried out in a totally enclosed system or facility, and any vent or exhaust		
		should be fitted with an effective fabric filter or equivalent air pollution control		
		system; and		
		Exposed earth should be properly treated by compaction, turfing, hydroseeding,		
		vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable		

EIA Ref.	EM&A Log	Environmental Mitigation Measures	Location	Implementation
	Ref			Status
		surface stabiliser within six months after the last construction activity on the		
		construction site or part of the construction site where the exposed earth lies.		
S5.5.6.3 of	A3	The Contractor should undertake proper watering on all exposed spoil and associated	All construction sites	V
HKBCFEIA		work areas (with at least 8 times per day) throughout the construction phase.		
and S4.8.1 of				
TKCLKLEIA				
S5.5.6.4 of	A4	Implement regular dust monitoring under EM&A programme during the construction	Selected	V
HKBCFEIA		stage.	representative dust	
and S4.11 of			monitoring station	
TKCLKLEIA				
S5.5.7.1 of	A5	The following mitigation measures should be adopted to prevent fugitive dust emissions	All construction sites	N/A
HKBCFEIA		for concrete batching plant:		
		Loading, unloading, handling, transfer or storage of any dusty materials should be		
		carried out in totally enclosed system;		
		All dust-laden air or waste gas generated by the process operations should be		
		properly extracted and vented to fabric filtering system to meet the emission limits		
		for TSP;		
		Vents for all silos and cement/ pulverised fuel ash (PFA) weighing scale should be		
		fitted with fabric filtering system;		
		The materials which may generate airborne dusty emissions should be wetted by		
		water spray system;		

EIA Ref.	EM&A Log	Environmental Mitigation Measures	Location	Implementation
	Ref			Status
		 All receiving hoppers should be enclosed on three sides up to 3m above unloading point; 		
		All conveyor transfer points should be totally enclosed;		
		All access and route roads within the premises should be paved and wetted; and		
		Vehicle cleaning facilities should be provided and used by all concrete trucks		
		before leaving the premises to wash off any dust on the wheels and/or body.		
S5.5.2.7 of	A6	The following mitigation measures should be adopted to prevent	All construction sites	N/A
HKBCFEIA		fugitive dust emissions at barging point:		(Construction in
		All road surface within the barging facilities will be paved;		process)
		Dust enclosures will be provided for the loading ramp;		
		Vehicles will be required to pass through designated wheels wash facilities; and		
		Continuous water spray at the loading points.		
Construction	Noise (Air bor	ne)		
S6.4.10 of	N1	Use of good site practices to limit noise emissions by considering the following:	All construction sites	V
HKBCFEIA		only well-maintained plant should be operated on-site and plant should be		
		serviced regularly during the construction programme;		
		machines and plant (such as trucks, cranes) that may be in intermittent use should		
		be shut down between work periods or should be throttled down to a minimum;		
		plant known to emit noise strongly in one direction, where possible, be orientated		

EIA Ref.	EM&A Log	Environmental Mitigation Measures	Location	Implementation
	Ref			Status
		so that the noise is directed away from nearby NSRs;		
		silencers or mufflers on construction equipment should be properly fitted and		
		maintained during the construction works;		
		mobile plant should be sited as far away from NSRs as possible and practicable;		
		material stockpiles, mobile container site officer and other structures should be		
		effectively utilised, where practicable, to screen noise from on-site construction		
		activities.		
S6.4.11 of	N2	Install temporary hoarding located on the site boundaries between noisy construction	All construction sites	V
HKBCFEIA		activities and NSRs. The conditions of the hoardings shall be properly maintained		
		throughout the construction period.		
S6.4.12 of	N3	Install movable noise barriers (typically density @14kg/m²), acoustic mat or full	For plant items listed	N/A
HKBCFEIA		enclosure close to noisy plants including air compressor, generators, saw.	in Appendix 6D of the	
			EIA report at all	
			construction sites	
S6.4.13 of	N4	Select "Quiet plants" which comply with the BS 5228 Part 1 or TM standards.	For plant items listed	V
HKBCFEIA			in Appendix 6D of the	
			EIA report at all	
			construction sites	
S6.4.14 of	N5	Sequencing operation of construction plants where practicable.	All construction sites	V
HKBCFEIA			where practicable	
S5.1 of	N6	Implement a noise monitoring under EM&A programme.	Selected	V

EIA Ref.	EM&A Log	Environmental Mitigation Measures	Location	Implementation
	Ref			Status
TMCLKLEIA			representative noise	
			monitoring station	
Waste Manag	ement (Constr	ruction Waste)		
S12.6 of	WM1	The Contractor shall identify a coordinator for the management of waste.	All construction sites	V
TMCLKLEIA			All construction sites	
S12.6 of	WM2	The Contractor shall apply for and obtain the appropriate licenses for the disposal of	All construction sites	V
TMCLKLEIA		public fill, chemical waste and effluent discharges.	All construction sites	
S12.6 of	WM3	EM&A of waste handling, storage, transportation, disposal procedures and	All construction sites	V
TMCLKLEIA		documentation through the site audit programme shall be undertaken.		
S8.3.8 of	WM4	Construction and Demolition Material		V
HKBCFEIA		The following mitigation measures should be implemented in handling the waste:		
and S12.6 of		Maintain temporary stockpiles and reuse excavated fill material for backfilling and		
TMCLKLEIA		reinstatement;		
		Carry out on-site sorting;	All construction sites	
		Make provisions in the Contract documents to allow and promote the use of	All construction sites	
		recycled aggregates where appropriate;		
		Adopt 'Selective Demolition' technique to demolish the existing structures and		
		facilities with a view to recovering broken concrete effectively for recycling purpose,		
		where possible;		

EIA Ref.	EM&A Log	Environmental Mitigation Measures	Location	Implementation
	Ref			Status
		Implement a trip-ticket system for each works contract to ensure that the disposal of		
		C&D materials are properly documented and verified;		
		Implement an enhanced Waste Management Plan similar to ETWBTC (Works) No.		
		19/2005 – "Environmental Management on Construction Sites" to encourage		
		on-site sorting of C&D materials and to minimize their generation during the course		
		of construction;		
		In addition, disposal of the C&D materials onto any sensitive locations such as		
		agricultural lands, etc. should be avoided. The Contractor shall propose the final		
		disposal sites to the Project Proponent and get its approval before implementation;		
		and		
		The surplus surcharge should be transferred to a fill bank.		
S8.3.9-	WM5	C&D Waste	All construction sites	V
S8.3.11 of		Standard formwork or pre-fabrication should be used as far as practicable in order		
HKBCFEIA		to minimise the arising of C&D materials. The use of more durable formwork or		
and S12.6 of		plastic facing for the construction works should be considered. Use of wooden		
TMCLKLEIA		hoardings should not be used, as in other projects. Metal hoarding and		
		falsework should be used to enhance the possibility of recycling. The purchasing of		
		construction materials will be carefully planned in order to avoid over ordering and		
		wastage.		
		The Contractor should recycle as much of the C&D materials as possible on-site.		
		Public fill and C&D waste should be segregated and stored in different containers		

EIA Ref.	EM&A Log	Environmental Mitigation Measures	Location	Implementation
	Ref			Status
		or skips to enhance reuse or recycling of materials and their proper disposal.		
		Where practicable, concrete and masonry can be crushed and used as fill. Steel reinforcement bar can be used by scrap steel mills. Different areas of the sites should be considered for such segregation and storage.		
S8.2.12- S8.3.15 of HKBCFEIA and S12.6 of TMCLKLEIA	WM6	 Chemical Waste Chemical waste that is produced, as defined by Schedule 1 of the Waste Disposal (Chemical Waste) (General) Regulation, should be handled in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. Containers used for the storage of chemical wastes should be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed; have a capacity of less than 450 liters unless the specification has been approved by the EPD; and display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the regulation. The storage area for chemical wastes should be clearly labelled and used solely for the storage of chemical waste; enclosed on at least 3 sides; have an impermeable floor and bunding of sufficient capacity to accommodate 110% of the volume of the largest container or 20 % of the total volume of waste stored in that area, whichever is the greatest; have adequate ventilation; covered to prevent rainfall entering; and arranged so that incompatible materials are adequately separated. Disposal of chemical waste should be via a licensed waste collector; be to a facility licensed to receive chemical waste, such as the Chemical Waste Treatment Centre 	All construction sites	V

EIA Ref.	EM&A Log	Environmental Mitigation Measures	Location	Implementation
	Ref			Status
		which also offers a chemical waste collection service and can supply the necessary storage containers; or be to a reuser of the waste, under approval from the EPD.		
S8.3.16 of HKBCFEIA and S12.6 of TMCLKLEIA	WM7	 Sewage Adequate numbers of portable toilets should be provided for the workers. The portable toilets should be maintained in a state, which will not deter the workers from utilizing these portable toilets. Night soil should be collected by licensed collectors regularly. 	All construction sites	V
S8.3.17 of HKBCFEIA and S12.6 of TMCLKLEIA	WM8	 General Refuse The site and surroundings shall be kept tidy and litter free. General refuse generated on-site should be stored in enclosed bins or compaction units separately from construction and chemical wastes. A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from construction and chemical wastes, on a daily basis to minimize odour, pest and litter impacts. Burning of refuse on construction sites is prohibited by law. Aluminium cans are often recovered from the waste stream by individual collectors if they are segregated and made easily accessible. Separate labelled bins for their deposit should be provided if feasible. Office wastes can be reduced through the recycling of paper if volumes are large enough to warrant collection. Participation in a local collection scheme should be 	All construction sites	V

EIA Ref.	EM&A Log	Environmental Mitigation Measures	Location	Implementation		
	Ref			Status		
		 considered by the Contractor. In addition, waste separation facilities for paper, aluminum cans, plastic bottles etc., should be provided. Training should be provided to workers about the concepts of site cleanliness and appropriate waste management procedure, including reduction, reuse and recycling of wastes. Sufficient dustbins shall be provided for storage of waste as required under the Public Cleansing and Prevention of Nuisances By-laws. In addition, general refuse shall be cleared daily and shall be disposed of to the nearest licensed landfill or refuse transfer station. All waste containers shall be in a secure area on hardstanding. 				
Water Quality	Water Quality (Construction Phase)					
	W1	Mitigation during the marine works to reduce impacts to within acceptable levels have been recommended and will comprise a series of measures that restrict the method and sequencing of backfilling, as well as protection measures. Details of the measures are provided below:	During filling	V		

EIA Ref.	EM&A Log	Environmental Mitigation Measures	Location	Implementation
	Ref			Status
		Reclamation filling for the Project shall not proceed until at least 200m of leading		
		seawall at the reclamation area formed above +2.2mPD, unless otherwise		
		agreement was obtained from EPD, except for the 300m gaps for marine access.		
		All underwater filling works shall be carried out behind seawalls to avoid dispersion		
		of suspended solids outside the Project limit;		
		Except for the filling of the cellular structures, not more than 15% public fill shall be		
		used for reclamation filling below +2.5mPD during construction of the seawall;		
		After the seawall is completed except for the 300m marine access as indicated in		
		the EPs, not more than 30% public fill shall be used for reclamation filling below		
		+2.5mPD, unless otherwise agreement from EPD was obtained;		
		Upon completion of 200m leading seawall, no more than a total of 60 filling barge		
		trips per day shall be made with a cumulative maximum daily filling rate of 60,000		
		m3 for HKBCF and TMCLKL southern landfall reclamation during the filling		
		operation; and		
		Upon completion of the whole section of seawall except for the 300m marine access		
		as indicated in the EPs, no more than a total of 190 filling barge trips per day shall		
		be made with a cumulative maximum daily filling rate of 190,000 m3 for the		
		remaining filling operations for HKBCF and TMCLKL southern landfall reclamation.		
		Floating type perimeter silt curtains shall be around the HKBCF site before the		
		commencement of marine works. Staggered layers of silt curtain shall be provided		

EIA Ref.	EM&A Log	Environmental Mitigation Measures	Location	Implementation
	Ref			Status
	Kei	to prevent sediment loss at navigation accesses. The length of each staggered layers shall be at least 200m; Single layer silt curtain to be applied around the North-east airport water intake; The silt-curtains should be maintained in good condition to ensure the sediment plume generated from filling be confined effectively within the site boundary; The filling works shall be scheduled to spread the works evenly over a working day; Cellular structure shall be used for seawall construction; A layer of geotextile shall be placed on top of the seabed before any filling activities take place inside the cellular structures to form the seawall; The conveyor belts shall be fitted with windboards and conveyor release points shall		Status
		 be covered with curtain to prevent any spillage of filling materials onto the surrounding waters; and An additional layer of silt curtain shall be installed near the active stone column installation points. A layer of geotextile with stone blanket on top shall be placed on the seabed prior to stone column installation works. 		
S9.11.1.3 of HKBCFEIA and S6.10 of	W2	Land Works General construction activities on land should also be governed by standard good working practice. Specific measures to be written into the works contracts should include:	All land-based construction sites	V

EIA Ref.	EM&A Log	Environmental Mitigation Measures	Location	Implementation
	Ref			Status
TMCLKLEIA		 wastewater from temporary site facilities should be controlled to prevent direct discharge to surface or marine waters; sewage effluent and discharges from on-site kitchen facilities shall be directed to Government sewer in accordance with the requirements of the WPCO or collected for disposal offsite. The use of soakaways shall be avoided; storm drainage shall be directed to storm drains via adequately designed sand/silt removal facilities such as sand traps, silt traps and sediment basins. Channels, earth bunds or sand bag barriers should be provided on site to properly direct stormwater to such silt removal facilities. Catchpits and perimeter channels should be constructed in advance of site formation works and earthworks; 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; temporary access roads should be surfaced with crushed stone or gravel; rainwater pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities; 	Location	· .
		 measures should be taken to prevent the washout of construction materials, soil, silt or debris into any drainage system; open stockpiles of construction materials (e.g. aggregates and sand) on site 		

EIA Ref.	EM&A Log	Environmental Mitigation Measures	Location	Implementation
	Ref			Status
		 should be covered with tarpaulin or similar fabric during rainstorms; 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; discharges of surface run-off into foul sewers must always be prevented in order not to unduly overload the foul sewerage system; 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; 		-
		 wheel wash overflow shall be directed to silt removal facilities before being discharged to the storm drain; the section of construction road between the wheel washing bay and the public road should be surfaced with crushed stone or coarse gravel; wastewater generated from concreting, plastering, internal decoration, cleaning work and other similar activities, shall be screened to remove large objects; 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 offsite disposal; 		

EIA Ref.	EM&A Log	Environmental Mitigation Measures	Location	Implementation
	Ref			Status
		the contractors shall prepare an oil / chemical cleanup plan and ensure that		
		leakages or spillages are contained and cleaned up immediately;		
		waste oil should be collected and stored for recycling or disposal, in accordance with the Waste Disposal Ordinance;		
		all fuel tanks and chemical storage areas should be provided with locks and be		
		sited on sealed areas. The storage areas should be surrounded by bunds with a		
		capacity equal to 110% of the storage capacity of the largest tank; and		
		surface run-off from bunded areas should pass through oil/grease traps prior to		
		discharge to the storm water system		
S9.14 of	W3	Implement a water quality monitoring programme	At identified	V
HKBCFEIA			monitoring location	
and S6.10 of				
TMCLKLEIA				
S6.10 of	W4	All construction works shall be subject to routine audit to ensure implementation of all	All construction site	V
TMCLKLEIA		EIA recommendations and good working practice.	areas	
Ecology (Cons	struction Phas	e)		
S10.7 of	E1	Install silt curtain during the construction	Seawall, reclamation	V
HKBCFEIA		Limit works fronts	area	
and S8.14 of		Construct seawall prior to reclamation filling where practicable		
TMCLKLEIA		- Condition Souwall prior to reclamation filling where practicable		

EIA Ref.	EM&A Log	Environmental Mitigation Measures	Location	Implementation
	Ref			Status
		Good site practices		
		Strict enforcement of no marine dumping		
		Site runoff control		
		Spill response plan		
S10.7 of	E2	Watering to reduce dust generation; prevention of siltation of freshwater habitats;	Land-based works	V
HKBCFEIA		Site runoff should be desilted, to reduce the potential for suspended sediments,	areas	
		organics and other contaminants to enter streams and standing freshwater.		
S10.7 of	E3	Good site practices, including strictly following the permitted works hours, using	Land-based works	V
HKBCFEIA		quieter machines where practicable, and avoiding excessive lightings during night	areas	
and S8.14 of		time.		
TMCLKLEIA				
S10.7 of	E4	Dolphin Exclusion Zone	Marine works	V
HKBCFEIA		Dolphin watching plan		
and S8.14 of		- spinistering print		
TMCLKLEIA				
S10.7 of	E5	Decouple compressors and other equipment on working vessels	Marine works	V
HKBCFEIA		Proposal on design and implementation of acoustic decoupling measures applied		
and S8.14 of		during reclamation works		
TMCLKLEIA		Avoidance of percussive piling		
S10.7 of	E6	Control vessel speed	Marine traffic	V

EIA Ref.	EM&A Log	Environmental Mitigation Measures	Location	Implementation
	Ref			Status
HKBCFEIA		Skipper training		
and S8.14 of		Predefined and regular routes for working vessels; avoid Brothers Islands		
TMCLKLEIA				
S10.10 of	E7	Vessel based dolphin monitoring	Northeast and	V
HKBCFEIA			Northwest	
and S8.14 of			Lantau	
TMCLKLEIA				
Fisheries				
S11.7 of	F1	Reduce re-suspension of sediments	Seawall, reclamation	V
HKBCFEIA		Limit works fronts	area	
		Good site practices		
		Strict enforcement of no marine dumping		
		Spill response plan		
S11.7 of	F2	Install silt-grease trap in the drainage system collecting surface runoff	Reclamation area	V
HKBCFEIA				
Landscape &	Visual (Constr	uction Phase)		
S14.3.3. 3 of	LV1	Mitigate Landscape Impacts	All construction site	N/A
HKBCFEIA			areas	
and S10.9 of		G1/CM4 Grass-hydroseed or sheeting bare soil surface and stock pile areas.		
TMCLKLEIA		G9 Reserve of loose natural granite rocks for re-use. Provide new coastline to		
		adopt "natural-look" by means of using armour rocks in the form of natural		

EIA Ref.	EM&A Log	Environmental Mitigation Measures	Location	Implementation
	Ref			Status
		rock materials and planting strip area accommodating screen buffer to enhance "natural-look" of new coastline.		
S10.9 of TMCLKLEIA	LV2	Mitigate Landscape Impacts CM7 Ensure no run-off into water body adjacent to the Project Area.	All construction site areas	V
S14.3.3. 3 of HKBCFEIA	LV4	Mitigate Visual Impacts V1 Minimize time for construction activities during construction period.	All construction site areas	V
S10.9 of TMCLKLEIA	LV5	Mitigate Visual Impacts CM6 Control night-time lighting and glare by hooding all lights.	All construction site areas	V
EM&A				
S15.2.2 of HKBCFEIA	EM1	An Independent Environmental Checker needs to be employed as per the EM&A Manual.	All construction site areas	V
S15.5 - S15.6 of HKBCFEIA	EM2	 An Environmental Team needs to be employed as per the EM&A Manual. Prepare a systematic Environmental Management Plan to ensure effective implementation of the mitigation measures. An environmental impact monitoring needs to be implementing by the Environmental Team to ensure all the requirements given in the EM&A Manual are fully complied with. 	All construction site areas	V

Legend: V = implemented;

x = not implemented;

N/A = not applicable

Appendix D - Summary of Action and Limit Levels

Table 1 – Action and Limit Levels for 1-hour TSP

Location	Action Level	Limit Level
AMS2	374 μg/m ³	500 μg/m³
AMS3B*	368 μg/m ³	500 μg/m³
AMS6	360 μg/m ³	500 μg/m³
AMS7A [#]	370 μg/m ³	500 μg/m³

Remarks: * Action Level set out at AMS3 Ho Yu College is adopted.

Table 2 - Action and Limit Levels for 24-hour TSP

Location	Action Level	Limit Level
AMS2	176 μg/m³	260 μg/m³
AMS3B*	167 μg/m³	260 μg/m³
AMS6	173 μg/m³	260 μg/m³
AMS7A [#]	183 μg/m³	260 μg/m³

Remarks: * Action Level set out at AMS3 Ho Yu College is adopted.

Table 3 – Action and Limit Levels for Construction Noise (0700-1900 hrs of normal weekdays)

Location	Action Level	Limit Level
NMS2	When one documented	75 dB(A)
	complaint, related to 0700 -	
	1900 hours on normal	
NMS3B	weekdays, is received	*65 / 70 dB(A)
	from any one of the sensitive	
	receivers	

^{*}Daytime noise Limit Level of 70 dB(A) applies to education institutions, while 65dB(A) applies during school examination period.

[#]Action level set out at AMS7 Hong Kong SkyCity Marriott Hotel is adopted.

[#]Action level set out at AMS7 Hong Kong SkyCity Marriott Hotel is adopted.

Table 4 - Action and Limit Levels for Water Quality

Parameters	Action	Limit
DO in mg L ⁻¹	Surface and Middle	Surface and Middle
(Surface, Middle & Bottom)	5.0	4 .2 (except 5 mg/L for FCZ)
	<u>Bottom</u>	<u>Bottom</u>
	4.7	3.6
SS in mg L ⁻¹	23.5 and 120% of upstream	34.4 and 130% of upstream
(depth-averaged)	control station's SS at the	control station's SS at the same
	same tide of the same day	tide of the same day and
		10mg/L for WSD Seawater
		intakes
Turbidity in NTU	27.5 and 120% of upstream	47.0 and 130% of upstream
(depth-averaged)	control station's turbidity at	control station's turbidity at the
	the same tide of the same	same tide of the same day
	day	

Notes:

- "depth-averaged" is calculated by taking the arithmetic means of reading of all three depths.
- 2. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- 3. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.

Table 5(a) Action and Limit Levels for Chinese White Dolphin Monitoring - Approach to Define Action Level (AL) and Limit Level (LL):

	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 baseline) & (Al	NI < 40% of baseline)] AND			
	[(STG < 40% of baseline) & (A	NI < 40% of baseline)]			

For North Lantau Social Cluster, action level will be trigger if either NEL **or** NWL fall below the criteria; limit level will be triggered if both NEL **and** NWL fall below the criteria.

Table 5(b) Derived Value of Action Level (AL) and Limit Level (LL) for Chinese White Dolphin Monitoring

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

Station	The state of the s		Operator:	Leung Y	Leung Yiu Ting		
Cal. Date:	27-Jul-15			Next Due Date:	27-Se	p-15	_
Equipment No.:	A-001-78T			Serial No. 3383		83	-
			Ambient	Condition			
Temperatu	re, Ta (K)	303	Pressure, I	Pa (mmHg)		757.3	
	•	-		,			
		(Orifice Transfer S	tandard Informatio	n		
Serial	No:	843	Slope, mc	1.99924	Interce		-0.0123
Last Calibra	ation Date:	9-Dec-14			= [DH x (Pa/760) x		
Next Calibra	ation Date:	9-Dec-15		Qstd = {[DH x (F	Pa/760) x (298/Ta)] ¹	1/2 -bc} / mc	
			Calibration o	of TSP Sampler			
		0	rfice	Tor Gumpler	HVS	S Flow Recorder	
Resistance	DH (orifice),			Qstd (m³/min) X	Flow Recorder	Continuous Flo	w Recorder
Plate No.	in. of water	[DH x (Pa/76	60) x (298/Ta)] ^{1/2}	axis	Reading (CFM)	Reading IC (CF	
			2.78	1.40	47.0	46.5	3
18	7.9	1	2.10				
18 13	7.9 6.9	-	2.60	1.31	43.0	42.5	7
				+	43.0 37.0	42.5 36.6	
13	6.9		2.60	1.31	5000000		3
13 10	6.9 5.0		2.60 2.21	1.31 1.11	37.0	36.6	3
13 10 7 5 By Linear Regre	6.9 5.0 4.0 2.4 ession of Y on X 37.4357		2.60 2.21 1.98	1.31 1.11 1.00	37.0 32.0	36.6 31.6 22.7	3
13 10 7 5 By Linear Regre Slope, mw = Correlation Coe	6.9 5.0 4.0 2.4 ession of Y on X 37.4357	- 0.9	2.60 2.21 1.98 1.53	1.31 1.11 1.00 0.77	37.0 32.0 23.0	36.6 31.6 22.7	3
13 10 7 5 By Linear Regre Slope , mw = Correlation Coe	6.9 5.0 4.0 2.4 ession of Y on X 37.4357 fficient* =	- 0.9	2.60 2.21 1.98 1.53	1.31 1.11 1.00 0.77	37.0 32.0 23.0	36.6 31.6 22.7	3
13 10 7 5 By Linear Regree Slope, mw = Correlation Coe	6.9 5.0 4.0 2.4 ession of Y on X 37.4357 fficient* =	0.s	2.60 2.21 1.98 1.53 9970 prate. Set Point	1.31 1.11 1.00 0.77	37.0 32.0 23.0	36.6 31.6 22.7	3
13 10 7 5 By Linear Regresione, mw = Correlation Coefficient Coef	6.9 5.0 4.0 2.4 ession of Y on X 37.4357 fficient* = perficient < 0.990, or	0.scheck and recalit	2.60 2.21 1.98 1.53 9970 prate. Set Point 1.30m³/min	1.31 1.11 1.00 0.77	37.0 32.0 23.0	36.6 31.6 22.7	3
13 10 7 5 Sy Linear Regresione, mw = Correlation Coeff Coef	6.9 5.0 4.0 2.4 ession of Y on X 37.4357 fficient* = efficient < 0.990, of eld Calibration Cur	check and recalib	2.60 2.21 1.98 1.53 9970 prate. Set Point 1.30m³/min ding to	1.31 1.11 1.00 0.77 Intercept, bw =	37.0 32.0 23.0 -5.8	36.6 31.6 22.7	3
13 10 7 5 Sy Linear Regresione, mw = Correlation Coeff Coef	6.9 5.0 4.0 2.4 ession of Y on X 37.4357 fficient* = efficient < 0.990, of eld Calibration Cur	check and recalib	2.60 2.21 1.98 1.53 9970 prate. Set Point 1.30m³/min ding to	1.31 1.11 1.00 0.77	37.0 32.0 23.0 -5.8	36.6 31.6 22.7	3
13 10 7 5 By Linear Regresion Coefficient the TSP Figure 13 From the Regresion the Re	6.9 5.0 4.0 2.4 ession of Y on X 37.4357 efficient* = efficient < 0.990, of eld Calibration Curl sion Equation, the	check and recalit	2.60 2.21 1.98 1.53 9970 prate. Set Point 1.30m³/min ding to x Qstd + bw = IC	1.31 1.11 1.00 0.77 Intercept, bw =	37.0 32.0 23.0 -5.8	36.6 31.6 22.7 043	3
13 10 7 5 By Linear Regresion Coefficient	6.9 5.0 4.0 2.4 ession of Y on X 37.4357 efficient* = efficient < 0.990, of eld Calibration Curl sion Equation, the	check and recalit	2.60 2.21 1.98 1.53 9970 prate. Set Point 1.30m³/min ding to	1.31 1.11 1.00 0.77 Intercept, bw =	37.0 32.0 23.0 -5.8	36.6 31.6 22.7	3
13 10 7 5 By Linear Regresion Coefficient	6.9 5.0 4.0 2.4 ession of Y on X 37.4357 efficient* = efficient < 0.990, of eld Calibration Curl sion Equation, the	check and recalit	2.60 2.21 1.98 1.53 9970 prate. Set Point 1.30m³/min ding to x Qstd + bw = IC	1.31 1.11 1.00 0.77 Intercept, bw =	37.0 32.0 23.0 -5.8	36.6 31.6 22.7 043	3
13 10 7 5 By Linear Regresion Coefficient	6.9 5.0 4.0 2.4 ession of Y on X 37.4357 efficient* = efficient < 0.990, of eld Calibration Curl sion Equation, the	check and recalit	2.60 2.21 1.98 1.53 9970 prate. Set Point 1.30m³/min ding to x Qstd + bw = IC	1.31 1.11 1.00 0.77 Intercept, bw =	37.0 32.0 23.0 -5.8	36.6 31.6 22.7 043	3
13 10 7 5 By Linear Regre Slope , mw = Correlation Coe If Correlation Coe From the TSP Fie	6.9 5.0 4.0 2.4 ession of Y on X 37.4357 efficient* = efficient < 0.990, of eld Calibration Curl sion Equation, the	check and recalit	2.60 2.21 1.98 1.53 9970 prate. Set Point 1.30m³/min ding to x Qstd + bw = IC	1.31 1.11 1.00 0.77 Intercept, bw =	37.0 32.0 23.0 -5.8	36.6 31.6 22.7 043	3

Station	Tung Chung Deve	elopment Pier (A	MS2)	Operator:	Leung Y	'iu Ting	
Cal. Date:	26-Sep-15			Next Due Date:	26-No	ov-15	-
Equipment No.:	A-001-78T	-		Serial No.	3383		-
			Ambient	Condition			
Temperatu	re Ta (K)	304		Pa (mmHg)		756.6	
Temperata	10, 14 (11)	004	11000010,1	a (mining)			
		(Orifice Transfer S	tandard Informatio			
Serial	No:	843	Slope, mc	1.99924	Interce	•	-0.01238
Last Calibra	ation Date:	9-Dec-14			= [DH x (Pa/760) x		
Next Calibra	ation Date:	9-Dec-15		Qstd = {[DH x (Pa/760) x (298/Ta)]	^{1/2} -bc} / mc	
			Calibration of	of TSP Sampler			
		0	rfice	A TO CAMPIO	HVS	S Flow Recorder	
Resistance Plate No.	DH (orifice), in. of water	[DH x (Pa/76	60) x (298/Ta)] ^{1/2}	Qstd (m³/min) X ·	Flow Recorder Reading (CFM)	Continuous Flor Reading IC (CF	
18	8.0		2.79	1.40	48.0	47.42	2
13	6.9		2.59	1.30	44.0	43.4	7
10	5.1		2.23	1.12	36.0	35.56	3
7	4.0	 	1.98	0.99	32.0	31.6	1
5	2.5		1.56	0.79	24.0	23.7	1
By Linear Regre Blope , mw = Correlation Coe	38.4119 fficient* =	- 0.9	9978	Intercept, bw =	-6.7	592	-
If Correlation Co	efficient < 0.990,	check and recalit	brate.				
			Set Point	Calculation			
rom the TSP Fig	eld Calibration Cu	rve, take Qstd =	1.30m³/min				
rom the Regres	sion Equation, the	"Y" value accord	ding to				
		mw	x Qstd + bw = IC	x [(Pa/760) x (298/	Га)] ^{1/2}		
Charafara Sat Pr	oint: IC = / mw v C)etd + hw) v [(76	60 / Pa) x (Ta / 29	08 11 ^{1/2} =		43.71	
nerelore, set re	onit, io – (inw x o)] X (Wd · DJ69	00/14/1/(14/2	50)] =			-
Remarks:							
							1

and the second	Oile Douridary or	Site Office (WA2)	(AMS3B)	Operator:	Leung Y	'iu Ting	
cal. Date:	6-Jul-15			Next Due Date:	6-Se	p-15	
quipment No.:	A-001-79T	-		Serial No.	33	84	
		v	Ambient	Condition			
Temperatu	re, Ta (K)	303	Pressure, F	Pa (mmHg)		749.7	
				'			
		(Orifice Transfer S	tandard Informatio	n		
Serial	No:	843	Slope, mc	1.99924	Interce	ept, bc	-0.0123
Last Calibra	ation Date:	9-Dec-14		mc x Qstd + bc	= [DH x (Pa/760) x	(298/Ta)] ^{1/2}	
Next Calibra	ation Date:	9-Dec-15		Qstd = {[DH x (F	Pa/760) x (298/Ta)]	^{/2} -bc} / mc	
			Calibration	f TSP Sampler			
		C	rfice	i i or Samplei	HVS	S Flow Recorder	
Resistance		T		1			5 .
Plate No.	DH (orifice), in. of water	[DH x (Pa/76	60) x (298/Ta)] ^{1/2}	Qstd (m³/min) X - axis	Flow Recorder Reading (CFM)	Continuous Flow Reading IC (CFI	
18	7.3		2.66	1.34	50.0	49.25	
13	6.0		2.41	1.21	44.0	43.34	
10	4.9		2.18	1.10	36.0	35.46	
7	3.2		1.76	0.89	25.0	24.62	
5	2.0	+	1.39	0.70	16.0	15.76	
lope , mw = Correlation Coe	53.5454 fficient* = efficient < 0.990,		9974 prate.	Intercept, bw =	-22.4	1032	
	AND CONTRACTOR OF CONTRACTOR O						
				Calculation			
rom the TSP Fie	eld Calibration Cu		1.30m ³ /min	Calculation			
rom the TSP Fie	eld Calibration Cur sion Equation, the		1.30m ³ /min	Calculation			
rom the TSP Fie		"Y" value accord	1.30m ³ /min ding to		r_11/2		
rom the TSP Fie		"Y" value accord	1.30m ³ /min ding to	Calculation x [(Pa/760) x (298/1	[a)] ^{1/2}		
rom the TSP Fie	sion Equation, the	"Y" value accord	1.30m ³ /min ding to x Qstd + bw = IC	х [(Pa/760) x (298/1	「a)] ^{1/2}	47 93	
rom the TSP Fie	sion Equation, the	"Y" value accord	1.30m ³ /min ding to	х [(Pa/760) x (298/1	「a)] ^{1/2}	47.93	
rom the TSP Fie	sion Equation, the	"Y" value accord	1.30m ³ /min ding to x Qstd + bw = IC	х [(Pa/760) x (298/1	「a)] ^{1/2}	47.93	
rom the TSP Fie	sion Equation, the	"Y" value accord	1.30m ³ /min ding to x Qstd + bw = IC	х [(Pa/760) x (298/1	「a)] ^{1/2}	47.93	
from the TSP Fie from the Regress	sion Equation, the	"Y" value accord	1.30m ³ /min ding to x Qstd + bw = IC	х [(Pa/760) x (298/1	[a)] ^{1/2}	47.93	
from the TSP Fie from the Regress	sion Equation, the	"Y" value accord	1.30m ³ /min ding to x Qstd + bw = IC	х [(Pa/760) x (298/1	「a)] ^{1/2}	47.93	
From the TSP Fie	sion Equation, the	"Y" value accord	1.30m ³ /min ding to x Qstd + bw = IC 50 / Pa) x (Ta / 29	х [(Pa/760) x (298/1	[a)] ^{1/2}	47.93	

Station	Site Boundary of	Site Office (WA2)	(AMS3B)	_ Operator: _	Leung Y	iu Ting	_
Cal. Date:	5-Sep-15			Next Due Date:	5-No	v-15	_
Equipment No.:	A-001-79T			Serial No.	338	34	- 2
			Ambient	Condition			
Temperatu	re, Ta (K)	303	Pressure, F	Pa (mmHg)		749.7	
		(Orifice Transfer S	tandard Informatio	n		
Serial	No:	843	Slope, mc	1.99924	Interce		-0.0123
Last Calibra	ation Date:	9-Dec-14			= [DH x (Pa/760) x		
Next Calibra	ation Date:	9-Dec-15		Qstd = {[DH x (F	Pa/760) x (298/Ta)]	^{/2} -bc} / mc	
			0 111 11	(TOD 0			
		^	rfice Calibration of	of TSP Sampler	LI/V	S Flow Recorder	
Resistance		T	THE				
Plate No.	DH (orifice), in. of water	[DH x (Pa/76	60) x (298/Ta)] ^{1/2}	Qstd (m³/min) X · axis	Flow Recorder Reading (CFM)	Continuous Flo Reading IC (CF	
18	7.2		2.64	1.33	49.0	48.2	6
13	6.0		2.41	1.21	44.0	43.3	4
10	5.0		2.20	1.11	37.0	36.4	4
7	3.3		1.79	0.90	25.0	24.6	2
5	2.1		1.43	0.72	15.0	14.7	7
By Linear Regre Slope , mw =	ession of Y on X 56.1741	_		Intercept, bw =	-25.7	7222	_
Correlation Coe	fficient* =	0.9	9982				
If Correlation Co	pefficient < 0.990,	check and recalit	orate.				
				Calculation			
	eld Calibration Cu						
			dina to				
	ssion Equation, the	e "Y" value accord	aing to				
	sion Equation, the				1/2		
	ssion Equation, the			х [(Pa/760) x (298/	Га)] ^{1/2}		
From the Regres		mw	x Qstd + bw = IC		「a)] ^{1/2}	48 03	
From the Regres		mw			「a)] ^{1/2}	48.03	_
From the Regres		mw	x Qstd + bw = IC		「a)] ^{1/2}	48.03	_
From the Regres		mw	x Qstd + bw = IC		「a)] ^{1/2}	48.03	_
From the Regres Therefore, Set Po		mw	x Qstd + bw = IC		Га)] ^{1/2}	48.03	_
From the Regres		mw	x Qstd + bw = IC		「a)] ^{1/2}	48.03	_

Station	Chu Kong Air-Sea Uni	ion Transportation C	o.Ltd. (AMS7A)	Operator:	Cheung H	ung Wai	
al. Date:	31-Jul-15			Next Due Date:	30-Se	p-15	-
Equipment No.:	A-001-80T	- ,		Serial No.	338	35	-
			Ambient	Condition			
Temperatu	re, Ta (K)	304.0	Pressure, F	Pa (mmHg)		752.3	
			Orifice Transfer S	tandard Informatio	n		
Serial	l No:	843	Slope, mc	1.99924	Interce		-0.01238
Last Calibra	ation Date:	9-Dec-14			= [DH x (Pa/760) x		
Next Calibra	ation Date:	9-Dec-15		Qstd = {[DH x (F	Pa/760) x (298/Ta)] ¹	^{/2} -bc} / mc	
			Calibration	of TSP Sampler			
			Orfice	or Tor Gampler	HVS	S Flow Recorder	
Resistance Plate No.	DH (orifice), in. of water		60) x (298/Ta)] ^{1/2}	Qstd (m³/min) X -	Flow Recorder Reading (CFM)	Continuous Flor Reading IC (CF	
18	7.2		2.64	1.33	47.0	46.3	0
13	6.0		2.41	1.21	41.0	40.3	9
10	4.8		2.16	1.09	34.0	33.4	9
7	3.5	1	1.84	0.93	26.0	25.6	1
5	2.7		1.62	0.82	21.0	20.6	9
Slope , mw = Correlation Coe	-		9989	Intercept, bw =	-20.	8261	_
*If Correlation Co	oefficient < 0.990,	check and recal	ibrate.				
				t Calculation			
From the TSP F	ield Calibration Cu	urve, take Qstd =	1.30m ³ /min				
From the Regres	ssion Equation, the	e "Y" value acco	rding to				
		mv	v x Qstd + bw = IC	x [(Pa/760) x (298/	Та)]"-		
Therefore Cat E	Point: IC = / mw v	Oetd + bw \ v [('	760 / Pa) x (Ta / 2	98)11/2=		45.35	
Therefore, Set F	Foint, IC – (IIIW X	CSIU + DW) x [(100/14/1/2	.00 /] -		40100	_
Remarks:							
						3500	
OC Poviower:	LIS CHA	71	Signature	FI		Date: 3 //7	115

Station	Chu Kong Air-Sea Ur	nion Transportation C	o.Ltd. (AMS7A)	Operator:	Cheung F	lung Wai	
Cal. Date:	30-Sep-15			Next Due Date:	30-No	ov-15	-
Equipment No.:	A-001-80T	- y		Serial No.	33	85	-
			Ambient	Condition			
Temperatu	re, Ta (K)	304.0		Pa (mmHg)		750.9	
	, , ,		,	(0/	· · · · · · · · · · · · · · · · · · ·		
			Orifice Transfer S	tandard Informatio	n		
Serial	l No:	843	Slope, mc	1.99924	Interce		-0.01238
Last Calibra	ation Date:	9-Dec-14		mc x Qstd + bc	= [DH x (Pa/760) x	(298/Ta)] ^{1/2}	
Next Calibra	ation Date:	9-Dec-15		Qstd = {[DH x (I	Pa/760) x (298/Ta)]	1/2 -bc} / mc	
			Calibration	of TSP Sampler			
		0	rfice	or 13P Sampler	HV	S Flow Recorder	
Resistance		T	THOC				
Plate No.	DH (orifice), in. of water	[DH x (Pa/76	60) x (298/Ta)] ^{1/2}	Qstd (m³/min) X - axis	Flow Recorder Reading (CFM)	Continuous Flow Reading IC (CF	
18	7.1		2.62	1.32	47.0	46.25	5
13	6.0		2.41	1.21	41.0	40.35	5
10	4.8		2.16	1.08	34.0	33.46	3
7	3.4	1	1.81	0.91	25.0	24.60)
5	2.6	 	1.59	0.80	20.0	19.68	3
By Linear Regre Slope , mw =	ession of Y on X 51.6145	_		Intercept, bw =	-22.	1332	_
Correlation Coe	fficient* =	0.9	9984				
*If Correlation Co	pefficient < 0.990,	check and recalit	orate.				
			Set Point	Calculation			
From the TSP Fig	eld Calibration Cu	rve, take Qstd =	1.30m³/min				
From the Regres	sion Equation, the	e "Y" value accord	ding to				
		mw	x Qstd + bw = IC	x [(Pa/760) x (298/7	Γa)] ^{1/2}		
				1/2			
Therefore, Set Po	oint; IC = (mw x C	2std + bw) x [(76	60 / Pa) x (Ta / 29	98)]'' ² =	,	45.69	_
Damarica							
Remarks:							
					W =		
	11 11 V=			t ha		- h	12 15



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

ORIFICE TRANSFER STANDARD CERTIFICATION WORKSHEET TE-5025A

Date - De Operator	ec 09, 2014 Tisch	Rootsmeter Orifice I.I		438320 0843	Ta (K) - Pa (mm) -	293 - 755.65
PLATE OR Run #	VOLUME START (m3)	VOLUME STOP (m3)	DIFF VOLUME (m3)	DIFF TIME (min)	METER (mm)	ORFICE DIFF H2O (in.)
1 2 3 4 5	NA NA NA NA NA	NA NA NA NA NA	1.00 1.00 1.00 1.00	1.4010 0.9950 0.8830 0.8420 0.6960	3.2 6.4 7.9 8.8 12.7	2.00 4.00 5.00 5.50 8.00

DATA TABULATION

Vstd	(x axis) Qstd	(y axis)	Va	(x axis) Qa	(y axis)
1.0069 1.0027 1.0006 0.9994 0.9942	0.7187 1.0077 1.1332 1.1870 1.4285	1.4221 2.0112 2.2486 2.3584 2.8443	0.9957 0.9915 0.9894 0.9883 0.9831	0.7107 0.9965 1.1206 1.1738 1.4126	0.8806 1.2454 1.3924 1.4603 1.7612
Qstd slop intercept coefficient	t (b) = ent (r) =	1.99924 -0.01238 0.99990 	 Qa slope intercept coefficie v axis =	z (b) =	1.25189 -0.00766 0.99990

CALCULATIONS

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

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

For subsequent flow rate calculations:

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

Type:				Laser Di	ust Moni	tor		
	facturer/Brand:		-	SIBATA	act mom			
Model	l No.:		-	LD-3				
	ment No.:			A.005.07				
Sensi	tivity Adjustment	Scale Set	ting:	557 CP	И			
Opera	ator:		_	Mike She	ek (MSKN	<i>M</i>)		
Standa	rd Equipment							
							750 - 330	
Equip			precht & Pa			, ,		
Venue			erport (Pui \	ring Seco	ondary So	chool)		
Model Serial			es 1400AB	1401100	00000			
Serial	NO.	Con		DAB2198		V . 10500		
Last C	Calibration Date*:	Sen 7 Ma	ay 2015	00C1436	59803	K _o : <u>12500</u>		
		-						
*Remar	ks: Recommend	ed interval	I for hardwa	re calibra	tion is 1 y	year		
Calibra	tion Result							
Consid	tivity Adjustment	Saala Satt	lina (Poforo	Calibratia	· n) ·	<i>557</i> OF	28.4	
	tivity Adjustment tivity Adjustment					557 CF 557 CF		
Ochsii	livity Adjustille III	ocale oeti	ing (Aiter C	alibration).	CF	IVI	
Hour	Date	Т	ime	Aml	pient	Concentration ¹	Total	Count/
	(dd-mm-yy)			Con	dition	(mg/m³)	Count ²	Minute ³
				Temp	R.H.	Y-axis		X-axis
				(°C)	(%)			
1	08-05-15	09:15	- 10.15	26.9	76	0.04417	1763	29.38
2	08-05-15	10:15	- 11:15	26.9	76	0.04625	1851	30.85
3	08-05-15	11:15	- 12:15	26.9	77	0.04513	1805	30.08
4	08-05-15	12:15	- 13:15	27.1	77	0.04828	1926	32.10
Note:						shnick TEOM®		
	Total CountCount/minut							
	o. Countrillina	e was care	diated by ()	otal Cou	11000)			
By Line	ar Regression of	Y or X						
	(K-factor):		0.0015					
	ation coefficient:		0.9983	8				
Validit	y of Calibration F	Secord:	8 May 20	16				
	,		_ 0 may 20	, -				
Remark	KS:							
				()		10		
L								
					1			
QC Re	eviewer: YW F	ung	Signa	ture:	1	Date	e: _11 Ma	y 2015

Model N Equipm	cturer/Brand: No.: ent No.: vity Adjustment	Scale Settii	- - - ng: -	Laser D SIBATA LD-3 A.005.08 702 CP	Ва	nitor		
Operato	or:		-	Mike She	ek (MSK	(M)		
Standard	d Equipment						5510	
Equipment: Rupprecht & Patashnick TEOM® Venue: Cyberport (Pui Ying Secondary School) Model No.: Series 1400AB Serial No: Control: 140AB219899803 Sensor: 1200C143659803 K₀: 12500 Last Calibration Date*: 7 May 2015 *Remarks: Recommended interval for hardware calibration is 1 year								
Calibrati	Calibration Result							
Sensitiv	rity Adjustment rity Adjustment					702 702	CPM CPM	
Hour	Date (dd-mm-yy)	Tin	ne	Amb Cond Temp (°C)		Concentration ¹ (mg/m ³) Y-axis	Total Count ²	Count/ Minute ³ X-axis
1	08-05-15	09:30 -	10:30	26.9	76	0.04587	1722	28.70
2	08-05-15	10:30 -	11:30	26.9	76	0.04774	1795	29.92
3	08-05-15	11:30 -	12:30	26.9	77	0.04976	1864	31.07
Note:	Total Count Count/minut	was logged e was calcu	by Laser	Dust Mor	nitor	0.05051 tashnick TEOM®	1901	31.68
	Regression of	Y or X	0.0040					
	K-factor): tion coefficient:		0.0016 0.9978					
	of Calibration F	·	8 May 20)16				
Remarks	:							
	4/							
QC Rev	viewer: YW F	ung	Signa	ature:			Date: _11	1 May 2015

Mode Equip Sensi	ment No.: tivity Adjustment	Scale Settii	ng: _	SIBATA LD-3 A.005.09 797 CPI	И			
Opera	ator:			Mike She	k (MSKN	1)		
Standa	rd Equipment							
	e: l No.:	Cybe Serie Contr Sens 7 Ma	or: 120 / 2015	7ing Seco 0AB21989 00C14369	99803 59803	K _o : <u>12500</u>)	
Calibra	tion Result	-						
Sensi	tivity Adjustment tivity Adjustment Date		ng (After Ca	alibration		797 CF 797 CF		Count/
	(dd-mm-yy)			Temp (°C)	dition R.H. (%)	(mg/m³) Y-axis	Count ²	Minute ³ X-axis
1	08-05-15	13:15 -		27.1	77	0.04986	1994	33.23
3	08-05-15 08-05-15	14:15 - 15:15 -	15:15 16:15	27.1 27.1	77 77	0.05083	2037	33.95
4	08-05-15	16:15 -	17:15	27.1	76	0.05012 0.05241	2003 2095	33.38 34.92
Slope Correl Validit	2. Total Count 3. Count/minut ar Regression of (K-factor): lation coefficient: by of Calibration F	was logged e was calcu Y or X	by Laser [Oust Mon otal Cou	itor	shnick TEOM [®]		
QC R	eviewer: YW F	- -una	Signat	ture:	η/	Date	ə: 11 Ma	v 2015

Model Equip	facturer/Brand: No.: ment No.: tivity Adjustment	Scale Setti	_	Laser Do SIBATA LD-3 A.005.10 753 CPI	a	tor		
Opera	itor:			Mike She	k (MSKN	<i>A</i>)		
Standa	rd Equipment							
	e: No.:	Cybe Serie Cont Sens 7 Ma	or: 120 y 2015	7ing Seco 0AB21989 00C14369	99803 59803	K _o : <u>12500</u>		
Calibra	tion Result	1000	4.04					
Sensit	ivity Adjustment ivity Adjustment					753 CF		
Hour	Date (dd-mm-yy)	Tii	me		dition	Concentration ¹ (mg/m ³) Y-axis	Total Count ²	Count/ Minute ³ X-axis
1	08-05-15	13:45	- 14:45	27.1	(%) 77	0.04963	1989	33.15
2	08-05-15	14:45	- 15:45	27.1	77	0.05131	2054	34.23
3	08-05-15		- 16:45	27.1	77	0.05170	2066	34.43
4	08-05-15		- 17:45	27.1	77	0.05269	2110	35.17
Slope	1. Monitoring of 2. Total Count 3. Count/minut ar Regression of (K-factor): ation coefficient:	was logged e was calc	d by Laser [Dust Mon	itor	ashnick TEOM [®]		
Validit	y of Calibration F	Record:	8 May 20	16				
Remark	s:							
OC Pa	aviewer VW F	Juna	Signat	ure.	9/	Date	. 11 May	v 2015

Model Equip	ment No.:		_	Laser Du SIBATA LD-3 A.005.11	а	tor		
Sensit	tivity Adjustment	Scale Setti	ng: _	799 CPI	И			
Opera	itor:		_	Mike She	k (MSKN	M)		
Standa	rd Equipment							
	e: No.:	Cybe Serie Cont Sens 7 Ma	or: 120 by 2015	7ing Seco 0AB21989 00C14369	99803 59803	K _o : _12500		
Calibra	tion Result						7	
	civity Adjustment civity Adjustment					799 CF 799 CF		
Hour	Date (dd-mm-yy)	Ti	me		dition R.H. (%)	Concentration ¹ (mg/m ³) Y-axis	Total Count ²	Count/ Minute ³ X-axis
_ 1	13-05-15	09:15	- 10:15	27.3	78	0.04635	1853	30.88
2	13-05-15		- 11:15	27.3	78	0.04788	1916	31.93
3	13-05-15		- 12:15	27.3	78	0.04943	1985	33.08
4	13-05-15	12:15	- 13:15	27.4	78	0.05176	2075	34.58
Slope	1. Monitoring of 2. Total Count 3. Count/minut ar Regression of (K-factor): ation coefficient:	was logged e was calc Y or X	d by Laser [Dust Mon	itor	ashnick TEOM [®]		
Validit	y of Calibration F	Record:	13 May 20	016				
Remark	ss:							
OC P/	eviewer: VW F	Euna	Signal	turo:	4/	Date	14 Ma	v 2015

Model Equipr	facturer/Brand: No.: ment No.: ivity Adjustment	Scale Settii		Laser Do SIBATA LD-3B A.005.13 643 CPI	la .	itor		
Opera	tor:		-	Mike She	ek (MSKN	M)		
Standa	rd Equipment			***				
	e: No.:	Cybe Serie Contr Sens 7 Ma	or: 120 y 2015	Ying Seco 0AB21989 00C14369	99803 59803	K _o : <u>125</u> 0	00	
Calibra	tion Result	1/20						
Sensit Sensit	ivity Adjustment ivity Adjustment	Scale Settir	ng (After Ca	alibration):		CPM CPM	
Hour	Date (dd-mm-yy)	Tir	ne		dition R.H. (%)	Concentration ¹ (mg/m ³) Y-axis	Total Count ²	Count/ Minute ³ X-axis
1	13-05-15	09:45 -	70.70	27.3	78	0.04654	1867	31.12
2	13-05-15	10:45 -	11:45	27.3	78	0.04743	1901	31.68
3	13-05-15 13-05-15	11:45 - 12:45 -	12:45 13:45	27.3	78 78	0.05036 0.05271	2010	33.50
Note:	1. Monitoring of 2. Total Count 3. Count/minut	lata was me was logged e was calcu	easured by by Laser [Rupprec Dust Mon	ht & Pata itor	ashnick TEOM®	2112	35.20
	ar Regression of (K-factor):	Y or X	0.0015					
	ation coefficient:		0.9984					
Validity	y of Calibration F	Record:	13 May 20	016				
Remark	s:	7						
QC Re	eviewer: YW F	ung	Signat	ture:	4,	/ Da	ate: _14 Ma	y 2015

Type: Manuf	acturer/Brand:		_	Laser Du SIBATA	ıst Moni	tor		
Model			_	LD-3B				
Equip	ment No.:		-	A.005.14	а	×		
Sensitivity Adjustment Scale Setting:		ng: _	786 CPM					
Operator:			_	Mike She	k (MSKN	1)		
Standa	rd Equipment				0.00			
Fauta					TEOL®			
Equipment: Rupprecht &					- I I)			
Venue			rport (Pui \	ring Seco	naary So	cnool)		
Model		-	s 1400AB					
Serial	No:	Contr		DAB21989				
1	N-121 - 12 - 15 - 1 +	Sens		00C14365	59803	K _o : <u>12500</u>	0 <u>2</u>	
Last C	Calibration Date*:	/ Ma	y 2015					
*Remar	ks: Recommend	ed interval t	for hardwai	re calibrat	tion is 1 y	/ear		
Calibra	tion Result						- 10 N N N N N N N N N N N N N N N N N N	
	ivity Adjustment ivity Adjustment					786 CP		
Hour	Date	Tir	ne	1	pient	Concentration ¹	Total	Count/
	(dd-mm-yy)			Cond	dition	(mg/m ³)	Count ²	Minute ³
	980.00,000.00			Temp (°C)	R.H. (%)	Y-axis		X-axis
1	13-05-15	13:15	14:15	27.4	78	0.05084	2178	36.30
2	13-05-15	14:15 -	15:15	27.5	78	0.05236	2243	37.38
3	13-05-15	15:15 -	16:15	27.5	78	0.05345	2295	38.25
4	13-05-15	16:15 -	17:15	27.4	77	0.05272	2261	37.68
Note:	Monitoring of 2. Total Count Count/minut	lata was me was logged	easured by by Laser I	Rupprecl Dust Mon	ht & Pata itor	shnick TEOM®	,	
By Linea	ar Regression of	Y or X						
	(K-factor):		0.0014					
Correl	ation coefficient:		0.9972					
Validit	y of Calibration F	Record:	13 May 2	016				
Remark	s:							
QC Re	eviewer: YW F	ung	Signa	ture:	9	Date	e: 14 May	y 2015



綜合試驗有限公司 SOILS & MATERIALS ENGINEERING CO., LTD.

G/F., 9/F., 12/F., 13/F. & 20/F., Leader Centre, 37 Wong Chuk Hang Road, Aberdeen, Hong Kong. 香港黃竹坑道37號利達中心地下,9樓,12樓,13樓及20樓 Website: www.cigismec.com E-mail: smec@cigismec.com

Tel: (852) 2873 6860 Fax: (852) 2555 7533



CERTIFICATE OF CALIBRATION

Certificate No.:

14CA1106 04-02

Page:

2

Item tested

Description:

Acoustical Calibrator (Class 1)

Manufacturer:

Rion Co., Ltd. NC-73

Type/Model No.: Serial/Equipment No.:

10307223 / N.004.08

Adaptors used:

Item submitted by

Curstomer:

AECOM ASIA CO., LTD.

Address of Customer: Request No :

Date of receipt:

06-Nov-2014

Date of test:

07-Nov-2014

Reference equipment used in the calibration

Description:	Model:	Serial No.	Expiry Date:	Traceable to:
Lab standard microphone	B&K 4180	2412857	13-May-2015	SCL
Preamplifier	B&K 2673	2239857	10-Apr-2015	CEPREI
Measuring amplifier	B&K 2610	2346941	08-Apr-2015	CEPREI
Signal generator	DS 360	61227	09-Apr-2015	CEPREI
Digital multi-meter	34401A	US36087050	17-Dec-2014	CEPREI
Audio analyzer	8903B	GB41300350	07-Apr-2015	CEPREI
Universal counter	53132A	MY40003662	11-Apr-2015	CEPREI

Ambient conditions

Temperature: Relative humidity: 22 ± 1 °C 65 ± 10 %

Air pressure:

1010 ± 10 hPa

Test specifications

- The Sound Calibrator has been calibrated in accordance with the requirements as specified in IEC 60942 1997 Annex B 1, and the lab calibration procedure SMTP004-CA-156
- 2. The calibrator was tested with its axis vertical facing downwards at the specific frequency using insert voltage technique.
- The results are rounded to the nearest 0.01 dB and 0.1 Hz and have not been corrected for variations from a reference 3, pressure of 1013.25 hectoPascals as the maker's information indicates that the instrument is insensitive to pressure changes.

Test results

This is to certify that the sound calibrator conforms to the requirements of annex B of IEC 60942: 1997 for the conditions under which the test was performed. This does not imply that the sound calibrator meets IEC 60942 under any other conditions.

Details of the performed measurements are presented on page 2 of this certificate.

Huang Jian Min/Feng Jun Qi

Approved Signatory:

Date:

08-Nov-2014

Company Chop:

Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.

© Soils & Materials Engineering Co., Ltd

Form No.CARP156-1/Issue 1/Rev.D/01/03/2007



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Tel: (852) 2873 6860 Fax: (852) 2555 7533



CERTIFICATE OF CALIBRATION

Certificate No :

15CA0303 01-02

Page:

Item tested

Description:

Acoustical Calibrator (Class 1)

Manufacturer: Type/Model No.: **B&K** 4231

Serial/Equipment No.:

3006428

Adaptors used:

Item submitted by

Curstomer:

AECOM ASIA CO LIMITED

Address of Customer:

Request No.

Date of receipt:

03-Mar-2015

Date of test:

03-Mar-2015

Reference equipment used in the calibration

Description:	Model:	Serial No.	Expiry Date:	Traceable to
Lab standard microphone	B&K 4180	2412857	13-May-2015	SCL
Preamplifier	B&K 2673	2743150	10-Apr-2015	CEPREI
Measuring amplifier	B&K 2610	2346941	08-Apr-2015	CEPREI
Signal generator	DS 360	61227	09-Apr-2015	CEPREI
Digital multi-meter	34401A	US36087050	01-Dec-2015	CEPREI
Audio analyzer	8903B	GB41300350	07-Apr-2015	CEPREI
Universal counter	53132A	MY40003662	11-Apr-2015	CEPREI

Ambient conditions

Temperature:

21 ± 1 °C

Relative humidity:

60 ± 10 %

Air pressure:

1010 ± 5 hPa

Test specifications

- 1, The Sound Calibrator has been calibrated in accordance with the requirements as specified in IEC 60942 1997 Annex B and the lab calibration procedure SMTP004-CA-156.
- 2. The calibrator was tested with its axis vertical facing downwards at the specific frequency using insert voltage technique.
- The results are rounded to the nearest 0.01 dB and 0.1 Hz and have not been corrected for variations from a reference pressure of 1013.25 hectoPascals as the maker's information indicates that the instrument is insensitive to pressure changes.

Test results

This is to certify that the sound calibrator conforms to the requirements of annex B of IEC 60942: 1997 for the conditions under which the test was performed. This does not imply that the sound calibrator meets IEC 60942 under any other conditions.

Details of the performed measurements are presented on page 2 of this certificate.

Approved Signatory:

Date: 04-Mar-2015

Company Chop:

Huang Jian Min/Feng Jun Qi

Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.

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Form No.CARP156-1/Issue 1/Rev.D/01/03/2007



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CERTIFICATE OF CALIBRATION

Certificate No.:

14CA1106 04-01

Page

of

2

Item tested

Description:
Manufacturer:
Type/Model No.:

Sound Level Meter (Type 1)

Rion Co., Ltd.

Microphone Rion Co., Ltd.

NL-31 00320528 / N.007.03A UC-53A 90565

Serial/Equipment No.: Adaptors used:

Item submitted by

AECOM ASIA CO., LTD.

Customer Name: Address of Customer:

Request No.:

-

Date of receipt:

06-Nov-2014

Date of test:

07-Nov-2014

Reference equipment used in the calibration

Description:

Multi function sound calibrator

Model: or B&K 422 Serial No. 2288444 Expiry Date: 15-Jun-2015 Traceable to: CIGISMEC

Signal generator Signal generator B&K 4226 DS 360 DS 360

33873 61227

09-Apr-2015 09-Apr-2015 CEPREI CEPREI

Ambient conditions

Temperature:

22 ± 1 °C 65 ± 10 %

Relative humidity: Air pressure:

1010 ± 10 hPa

Test specifications

- The Sound Level Meter has been calibrated in accordance with the requirements as specified in BS 7580: Part 1: 1997 and the lab calibration procedure SMTP004-CA-152.
- 2, The electrical tests were performed using an electrical signal substituted for the microphone which was removed and replaced by an equivalent capacitance within a tolerance of ±20%.
- The acoustic calibration was performed using an B&K 4226 sound calibrator and corrections was applied for the difference between the free-field and pressure responsess of the Sound Level Meter.

Test results

This is to certify that the Sound Level Meter conforms to BS 7580: Part 1: 1997 for the conditions under which the test was performed.

Details of the performed measurements are presented on page 2 of this certificate

Actual Measurement data are documented on worksheets.

Approved Signatory:

Date:

08-Nov-2014

Company Chop:

Huang Jian-Min/Feng Jun Qi

Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.

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Form No.CARP152-1/Issue 1/Rev.C/01/02/2007



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Tel: (852) 2873 6860 Fax: (852) 2555 7533



CERTIFICATE OF CALIBRATION

Certificate No.:

15CA0317 03

Page

of

2

Item tested

Description:

Sound Level Meter (Type 1)

Microphone **B&K**

Manufacturer: Type/Model No.: **B&K** 2238

4188

Serial/Equipment No.: Adaptors used:

2285692

2791211

Item submitted by

Customer Name:

AECOM ASIA CO., LTD.

Address of Customer:

Request No .: Date of receipt:

17-Mar-2015

Date of test:

18-Mar-2015

Reference equipment used in the calibration

Description:

Multi function sound calibrator

Model: B&K 4226 Serial No. 2288444

Expiry Date: 20-Jun-2015

Traceable to: CIGISMEC

Signal generator Signal generator DS 360 DS 360 33873 61227

09-Apr-2015 09-Apr-2015 **CEPREI CEPREI**

Ambient conditions

Temperature: Relative humidity: Air pressure:

21 ± 1 °C 60 ± 10 % 1010 ± 5 hPa

Test specifications

1, The Sound Level Meter has been calibrated in accordance with the requirements as specified in BS 7580: Part 1: 1997 and the lab calibration procedure SMTP004-CA-152.

2, The electrical tests were performed using an electrical signal substituted for the microphone which was removed and replaced by an equivalent capacitance within a tolerance of +20%

3, The acoustic calibration was performed using an B&K 4226 sound calibrator and corrections was applied for the difference between the free-field and pressure responsess of the Sound Level Meter.

Test results

This is to certify that the Sound Level Meter conforms to BS 7580: Part 1: 1997 for the conditions under which the test was performed.

Details of the performed measurements are presented on page 2 of this certificate.

Min/Feng Jun Qi

Actual Measurement data are documented on worksheets.

Huang Jia

Approved Signatory:

Date:

19-Mar-2015

Company Chop:

The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.

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Form No.CARP152-1/Issue 1/Rev.C/01/02/2007

Work Order:

HK1527900

Sub-batch:

Date of Issue:

10/08/2015

Client:

AECOM ASIA COMPANY LIMITED

Description:

Multifunctional Meter

Brand Name:

YSI

Model No .: Serial No.:

6820 V2 12A101545

Equipment No.:

W.026.35

Date of Calibration: 04 August, 2015

Date of next Calibration:

04 November, 2015

Parameters:

Conductivity

Method Ref: APHA (21th edition), 2510B

Expected Reading (uS/cm)	Displayed Reading (uS/cm)	Tolerance (%)
146.9	144.5	-1.6
6667	6630	-0.6
12890	12740	-1.2
58670	58200	-0.8
	Tolerance Limit (%)	±10.0

Dissolved Oxygen Method Ref: APHA (21st edition), 45000: G

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
3.40	3.45	+0.05
5.60	5.63	+0.03
7.65	7.61	-0.04
	Tolerance Limit (mg/L)	±0.20

Temperature

Method Ref: Section 6 of International Accreditation New Zealand Technical

Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)
11.0	11.05	+0.1
23.5	23.57	+0.1
37.5	37.46	-0.0
27.19		
	Tolerance Limit (°C)	±2.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

General Manager

Greater China & Hong Kong

Work Order:

HK1527900

Sub-batch:

0

Date of Issue:

10/08/2015

Client:

AECOM ASIA COMPANY LIMITED

Description:

Multifunctional Meter

Brand Name:

YSI

Model No.: Serial No.:

6820 V2 12A101545

Equipment No.:

W.026.35

Date of Calibration: 04 August, 2015

Date of next Calibration:

04 November, 2015

Parameters:

Salinity

Method Ref: APHA (21st edition), 2520B

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)
0	0.00	
10	10.02	+0.2
20	20.05	+0.3
30	30.04	+0.1
	Tolerance Limit (%)	±10.0

Turbidity

Method Ref: APHA (21st edition), 2130B

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.0	
4	3.9	-2.5
10	10.4	+4.0
20	20.5	+2.5
50	50.6	+1.2
100	100.7	+0.7
	Tolerance Limit (%)	±10.0

pH Value

Method Ref: APHA (21st edition), 4500H:B

Expected Reading (pH Unit)	Displayed Reading (pH Unit)	Tolerance (pH unit)
4.0	4.02	+0.02
7.0	7.03	+0.03
10.0	10.00	0.00
10.0	10.00	0.00
	Tolerance Limit (pH Unit)	±0.20

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Mr Fung Lim Chee, Richard

General Manager

Greater China & Hong Kong

Work Order:

HK1527908

Sub-batch:

Date of Issue:

10/08/2015

Client:

AECOM ASIA COMPANY LIMITED

Description:

Multifunctional Meter

Brand Name:

YSI

Model No :

6820 V2

Serial No.: Equipment No.: 12D100972 W.026.36

Date of Calibration: 04 August, 2015

Date of next Calibration:

04 November, 2015

Parameters:

Conductivity

Method Ref: APHA (21th edition), 2510B

Expected Reading (uS/cm)	Displayed Reading (uS/cm)	Tolerance (%)
146.9	145.0	-1.3
6667	6700	+0.5
12890	12910	+0.2
58670	58740	+0.1
	Tolerance Limit (%)	±10.0

Dissolved Oxygen Method Ref: APHA (21st edition), 45000: G

2.40		
2.40		
3.40	3.34	-0.06
5.60	5.55	-0.05
7.65	7.60	-0.05

Temperature

Method Ref: Section 6 of International Accreditation New Zealand Technical

Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)
11.0	10.96	-0.0
23.5	23.43	-0.1
37.5	37.40	-0.1
	Tolerance Limit (°C)	±2.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Mr Fung Lim Chee, Richard

General Manager -

Greater China & Hong Kong

Work Order:

HK1527908

Sub-batch:

0

Date of Issue:

10/08/2015

Client:

AECOM ASIA COMPANY LIMITED

Description:

Multifunctional Meter

Brand Name:

YSI

Model No.:

6820 V2

Serial No.: Equipment No.: 12D100972 W.026.36

Date of Calibration: 04 August, 2015

Date of next Calibration:

04 November, 2015

Parameters:

Salinity

Method Ref: APHA (21st edition), 2520B

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)
0	0.00	
10	10.05	+0.5
20	20.03	+0.2
30	29.96	-0.1
	Tolerance Limit (%)	±10.0

Turbidity

Method Ref: APHA (21st edition), 2130B

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.0	***
4	4.1	+2.5
10	9.7	-3.0
20	19.5	-2.5
50	49.3	-1.4
100	100.4	+0.4
	Tolerance Limit (%)	±10.0

pH Value

Method Ref: APHA (21st edition), 4500H:B

Expected Reading (pH Unit)	Displayed Reading (pH Unit)	Tolerance (pH unit)
4.0	4.01	+0.01
7.0	6.99	-0.01
10.0	10.03	+0.03
	Tolerance Limit (pH Unit)	±0.20

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Mr Fung Lim Chee, Richard

General Manager -

Greater China & Hong Kong

ALS Technichem (HK) Pty Ltd ALS Environmental

Hong Kong Boundary Crossing Facilities – Reclamation Works Tentative Impact Monitoring Schedule for September 2015

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		01-Sep	02-Sep	03-Sep	04-Sep	05-Sep
			Mid-Flood 09:16 Mid-Ebb 15:25 24-hour TSP 1-hour TSP Noise		Mid-Flood 11:24 Mid-Ebb 17:04	
06-Sep	07-Sep	08-Sep	09-Sep	10-Sep	11-Sep	12-Sep
	Mid-Ebb 08:33 Mid-Flood 16:10 Dolphin monitoring	Dolphin monitoring 24-hour TSP 1-hour TSP Noise	Mid-Ebb 10:39 Mid-Flood 17:48		Mid-Ebb 12:02 Mid-Flood 18:42	
13-Sep	14-Sep	15-Sep	16-Sep	17-Sep	18-Sep	19-Sep
	Mid-Flood 07:19 Mid-Ebb 13:42 24-hour TSP 1-hour TSP Noise		Mid-Flood 08:30 Mid-Ebb 14:40		Mid-Flood 09:50 Mid-Ebb 15:45	24-hour TSP 1-hour TSP
20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep
	Mid-Ebb 05:47 Mid-Flood 13:35		Mid-Ebb 08:23 Mid-Flood 16:12		Mid-Ebb 10:30 Mid-Flood 17:34 24-hour TSP 1-hour TSP Noise	
27-Sep	28-Sep	29-Sep	30-Sep			
	Mid-Flood 06:35 Mid-Ebb 12:52		Mid-Flood 08:20 Mid-Ebb 14:21 Dolphin monitoring 24-hour TSP 1-hour TSP Noise			

The schedule is subject to change due to unforeseeable circumstances (e.g. adverse weather, etc)

Appendix F Schedule September 2015

Hong Kong Boundary Crossing Facilities – Reclamation Works Tentative Impact Monitoring Schedule for October 2015

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	,	,		01-Oct	02-Oct	03-Oct
					Mid-Flood 10:17 Mid-Ebb 15:57	
04-Oct	05-Oct	06-Oct	07-Oct	08-Oct	09-Oct	10-Oct
	Mid-Ebb 06:14 Mid-Flood 14:34		Mid-Ebb 09:07 Mid-Flood 16:36 Dolphin monitoring		Mid-Ebb 10:53 Mid-Flood 17:33	10-001
11-Oct	12-Oct	13-Oct	14-Oct	15-Oct	16-Oct	17-Oct
	Mid-Flood 06:35 Mid-Ebb 12:42 24-hour TSP 1-hour TSP Noise		Mid-Flood 07:47 Mid-Ebb 13:44		Mid-Flood 09:02 Mid-Ebb 14:50	24-hour TSP 1-hour TSP
18-Oct	19-Oc	20-Oct	21-Oct	22-Oct	23-Oct	24-Oct
	Mid-Flood 11:46 Mid-Ebb 17:06		Mid-Ebb 06:11 Mid-Flood 14:39		Mid-Ebb 08:54 Mid-Flood 16:15 Dolphin monitoring 24-hour TSP 1-hour TSP Noise	Dolphin monitoring
25-Oct	26-Oct	27-Oct	28-Oct	29-Oct	30-Oct	31-Oct
	Mid-Ebb 11:43 Mid-Flood 17:57		Mid-Flood 07:27 Mid-Ebb 13:19	24-hour TSP 1-hour TSP Noise	Mid-Flood 09:20 Mid-Ebb 14:55	

The schedule is subject to change due to unforeseeable circumstances (e.g. adverse weather, etc)

Appendix F Schedule September 2015

Appendix G Impact Air Quality Monitoring Results

1-hour TSP Monitoring Results at Station AMS2 - Tung Chung Development Pier

		Weather	averaged Wind	Time	Conc.	Action Level	Limit Level
Date	Session	Condition	Speed (m/s)*	(hh:mm)	(µg/m³)	(µg/m³)	(µg/m³)
02-Sep-15	1st Hour	Cloudy	0.41	12:12	80	374	500
02-Sep-15	2nd Hour	Cloudy	0.57	13:12	81	374	500
02-Sep-15	3rd Hour	Cloudy	0.63	14:12	79	374	500
08-Sep-15	1st Hour	Sunny	1.62	10:00	73	374	500
08-Sep-15	2nd Hour	Sunny	3.75	11:00	71	374	500
08-Sep-15	3rd Hour	Sunny	1.26	12:00	71	374	500
14-Sep-15	1st Hour	Sunny	1.38	12:32	78	374	500
14-Sep-15	2nd Hour	Sunny	0.17	13:32	78	374	500
14-Sep-15	3rd Hour	Sunny	0.10	14:32	78	374	500
19-Sep-15	1st Hour	Sunny	0.62	12:20	79	374	500
19-Sep-15	2nd Hour	Sunny	0.00	13:20	78	374	500
19-Sep-15	3rd Hour	Sunny	1.76	14:20	79	374	500
25-Sep-15	1st Hour	Sunny	N.A.	10:10	83	374	500
25-Sep-15	2nd Hour	Sunny	N.A.	11:10	86	374	500
25-Sep-15	3rd Hour	Sunny	N.A.	12:10	86	374	500
30-Sep-15	1st Hour	Sunny	0.36	10:12	74	374	500
30-Sep-15	2nd Hour	Sunny	0.00	11:12	76	374	500
30-Sep-15	3rd Hour	Sunny	0.80	12:12	77	374	500
•				Average	78		
				Min	71		

86

1-hour TSP Monitoring Results at Station AMS3B - Site Boundary of Site Office (WA2)

		Weather	averaged Wind	Time	Conc.	Action Level	Limit Level
Date	Session	Condition	Speed (m/s)*	(hh:mm)	(µg/m³)	(µg/m³) ^	(µg/m³)
02-Sep-15	1st Hour	Cloudy	0.22	11:32	82	368	500
02-Sep-15	2nd Hour	Cloudy	0.41	12:32	81	368	500
02-Sep-15	3rd Hour	Cloudy	0.57	13:32	81	368	500
08-Sep-15	1st Hour	Sunny	1.62	09:50	71	368	500
08-Sep-15	2nd Hour	Sunny	3.75	10:50	68	368	500
08-Sep-15	3rd Hour	Sunny	1.26	11:50	69	368	500
14-Sep-15	1st Hour	Sunny	1.38	12:14	77	368	500
14-Sep-15	2nd Hour	Sunny	0.17	13:14	78	368	500
14-Sep-15	3rd Hour	Sunny	0.10	14:14	78	368	500
19-Sep-15	1st Hour	Sunny	0.62	12:46	78	368	500
19-Sep-15	2nd Hour	Sunny	0.00	13:46	78	368	500
19-Sep-15	3rd Hour	Sunny	1.76	14:46	78	368	500
25-Sep-15	1st Hour	Sunny	N.A.	10:20	84	368	500
25-Sep-15	2nd Hour	Sunny	N.A.	11:20	82	368	500
25-Sep-15	3rd Hour	Sunny	N.A.	12:20	86	368	500
30-Sep-15	1st Hour	Sunny	0.36	10:25	73	368	500
30-Sep-15	2nd Hour	Sunny	0.00	11:25	73	368	500
30-Sep-15	3rd Hour	Sunny	0.80	12:25	76	368	500
				Average	77		
				Min	68	ll .	

Remarks:

1-hour TSP Monitoring Results at Station AMS7A - Chu Kong Air-Sea Union Transportation Company Limited

Date	Session	Weather Condition	averaged Wind Speed (m/s)*	Time (hh:mm)	Conc. (µg/m³)	Action Level (µg/m³)*	Limit Level (µg/m³)
02-Sep-15	1st Hour	Cloudy	0.22	11:53	79	370	500
02-Sep-15	2nd Hour	Sunny	0.41	12:53	80	370	500
02-Sep-15	3rd Hour	Sunny	0.57	13:53	78	370	500
08-Sep-15	1st Hour	Sunny	1.26	09:10	72	370	500
08-Sep-15	2nd Hour	Sunny	1.62	10:10	74	370	500
08-Sep-15	3rd Hour	Sunny	3.75	11:10	72	370	500
14-Sep-15	1st Hour	Sunny	0.17	13:00	79	370	500
14-Sep-15	2nd Hour	Sunny	0.10	14:00	78	370	500
14-Sep-15	3rd Hour	Sunny	2.27	15:00	79	370	500
19-Sep-15	1st Hour	Sunny	0.62	12:07	77	370	500
19-Sep-15	2nd Hour	Sunny	0.00	13:07	79	370	500
19-Sep-15	3rd Hour	Sunny	1.76	14:07	78	370	500
25-Sep-15	1st Hour	Sunny	N.A.	09:50	84	370	500
25-Sep-15	2nd Hour	Sunny	N.A.	10:50	82	370	500
25-Sep-15	3rd Hour	Sunny	N.A.	11:50	85	370	500
30-Sep-15	1st Hour	Sunny	0.36	09:55	77	370	500
30-Sep-15	2nd Hour	Sunny	0.00	10:55	76	370	500
30-Sep-15	3rd Hour	Sunny	0.80	11:55	77	370	500
				Average	78		
						1	

* Action Level set out at AMS7 Hong Kong SkyCity Marriott Hotel

N.A. - Due to malfunction of the wind data monitoring equipment, wind data was not able to be obtained for monitoring event(s) conducted between 07:42 25 September 2015 – 14:00 25 September 2015. Wind speed and direction dataset 07:42 25 September 2015 – 14:00 25 September 2015 in the Hong Kong Observatory is not available at time this monthly report is submitted.

[^] Action Level set out at AMS3 Ho Yu College is adopted.

Appendix G Impact Air Quality Monitoring Results

24-hour TSP Monitoring Results at Station AMS2 - Tung Chung Development Pier

Start	Start	End	End	Weather	Air	Atmospheric	Flow Rate	e (m³/min.)	Av. flow	Total vol.	Filter W	eight (g)	Particulate	Elapse	e Time	Sampling	Conc.	Actino Level	Limit Level
Date	Time	Date	Time	Condition	Temp. (°C)	Pressure(hPa)	Initial	Final	(m ³ /min)	(m ³)	Initial	Final	weight(g)	Initial	Final	Time(hrs.)	(µg/m³)	(µg/m³)	(µg/m ³)
01-Sep-15	14:00	02-Sep-15	14:00	Cloudy	27.4	1007.8	1.33	1.33	1.33	1912.3	2.8095	2.8568	0.0473	5304.04	5328.04	24.00	25	176	260
07-Sep-15	14:00	08-Sep-15	14:00	Sunny	28.3	1007.2	1.33	1.33	1.33	1912.3	2.8188	2.8955	0.0767	5328.04	5352.04	24.00	40	176	260
14-Sep-15	09:00	15-Sep-15	09:00	Sunny	28.0	1012.2	1.33	1.33	1.33	1912.3	2.7944	2.8151	0.0207	5352.04	5376.04	24.00	11	176	260
18-Sep-15	14:00	19-Sep-15	14:00	Sunny	28.5	1015.0	1.33	1.33	1.33	1912.3	2.8336	2.9037	0.0701	5376.04	5400.04	24.00	37	176	260
24-Sep-15	14:00	25-Sep-15	14:00	Sunny	29.3	1006.7	1.33	1.33	1.33	1912.3	2.8227	2.8698	0.0471	5400.04	5424.04	24.00	25	176	260
29-Sep-15	14:00	30-Sep-15	14:00	Sunny	29.7	1005.6	1.33	1.33	1.33	1912.3	2.7953	2.9272	0.1319	5424.04	5448.04	24.00	69	176	260

 Average
 34

 Min
 11

 Max
 69

24-hour TSP Monitoring Results at Station AMS3B - Site Boundary of Site Office (WA2)

Start	Start	End	End	Weather	Air	Atmospheric	Flow Rate	e (m³/min.)	Av. flow	Total vol.	Filter W	eight (g)	Particulate	Elapse	e Time	Sampling	Conc.	Actino Level	Limit Level
Date	Time	Date	Time	Condition	Temp. (°C)	Pressure(hPa)	Initial	Final	(m ³ /min)	(m ³)	Initial	Final	weight(g)	Initial	Final	Time(hrs.)	$(\mu g/m^3)$	(µg/m ³)	(µg/m ³)
01-Sep-15	14:00	02-Sep-15	14:00	Cloudy	27.4	1007.8	1.34	1.34	1.34	1923.8	2.8222	2.8657	0.0435	6079.38	6103.38	24.00	23	167	260
07-Sep-15	14:00	08-Sep-15	14:00	Sunny	28.3	1007.2	1.34	1.34	1.34	1923.8	2.8048	2.8743	0.0695	6127.38	6151.38	24.00	36	167	260
14-Sep-15	09:00	15-Sep-15	09:00	Sunny	28.0	1012.2	1.34	1.34	1.34	1923.8	2.8048	2.8743	0.0695	6127.38	6151.38	24.00	36	167	260
18-Sep-15	14:00	19-Sep-15	14:00	Sunny	28.5	1015.0	1.34	1.34	1.34	1923.8	2.8146	2.9000	0.0854	6151.38	6175.38	24.00	44	167	260
24-Sep-15	14:00	25-Sep-15	14:00	Sunny	29.3	1006.7	1.34	1.34	1.34	1923.8	2.8351	2.8826	0.0475	6175.38	6199.38	24.00	25	167	260
29-Sep-15	14:00	30-Sep-15	14:00	Sunny	29.7	1005.6	1.34	1.34	1.34	1923.8	2.8223	2.9562	0.1339	6199.38	6223.38	24.00	70	167	260

Average 39
Min 23
Max 70

24-hour TSP Monitoring Results at Station AMS7A - Chu Kong Air-Sea Union Transportation Company Limited

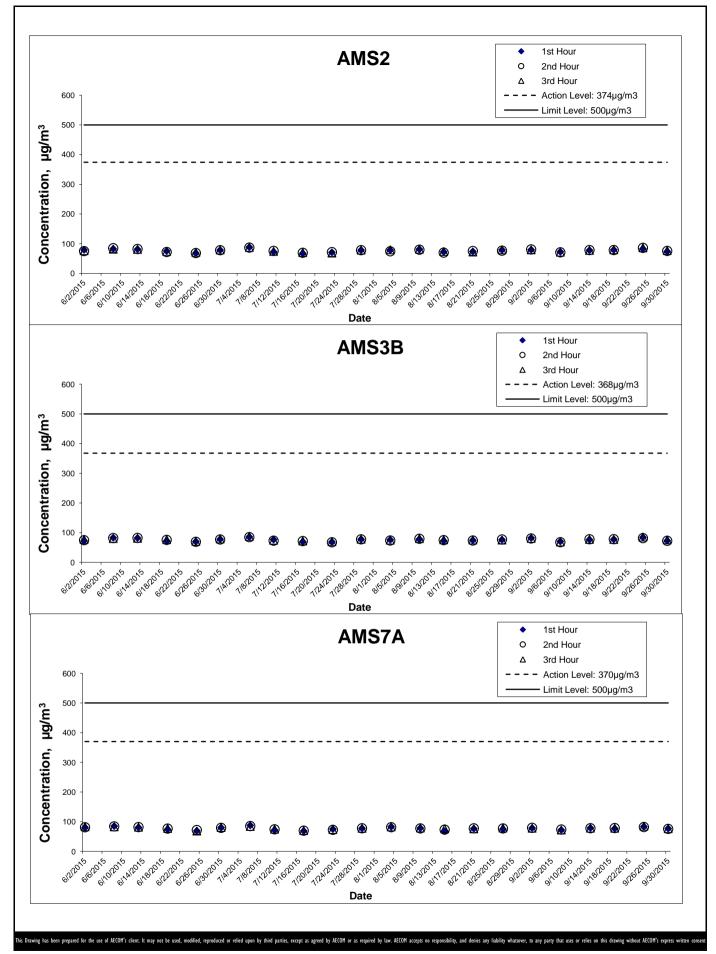
Start	Start	End	End	Weather	Air	Atmospheric	Flow Rate	(m³/min.)	Av. flow	Total vol.	Filter We	eight (g)	Particulate	Elaps	e Time	Sampling	Conc.	Actino Level	Limit Level
Date	Time	Date	Time	Condition	Temp. (°C)	Pressure(hPa)	Initial	Final	(m ³ /min)	(m ³)	Initial	Final	weight(g)	Initial	Final	Time(hrs.)	(µg/m ³)	(µg/m ³)	(µg/m ³)
01-Sep-15	14:00	02-Sep-15	14:00	Cloudy	27.4	1007.8	1.30	1.30	1.30	1869.1	2.8114	2.8521	0.0407	5019.92	5043.92	24.00	22	183	260
07-Sep-15	14:00	08-Sep-15	14:00	Sunny	28.3	1007.2	1.30	1.30	1.30	1869.1	2.8065	2.8890	0.0825	5043.92	5067.92	24.00	44	183	260
14-Sep-15	09:00	15-Sep-15	09:00	Sunny	28.0	1012.2	1.30	1.30	1.30	1869.1	2.7946	2.9287	0.1341	5067.92	5091.92	24.00	72	183	260
18-Sep-15	14:00	19-Sep-15	14:00	Sunny	28.5	1015.0	1.30	1.30	1.30	1869.1	2.8219	2.9120	0.0901	5091.92	5115.92	24.00	48	183	260
24-Sep-15	14:00	25-Sep-15	14:00	Sunny	29.3	1006.7	1.30	1.30	1.30	1869.1	2.8369	2.9027	0.0658	5115.92	5139.92	24.00	35	183	260
29-Sep-15	14:00	30-Sep-15	14:00	Sunny	29.7	1005.6	1.30	1.30	1.30	1869.1	2.8082	2.9592	0.1510	5139.92	5163.92	24.00	81	183	260

Remarks:

Average 50
Min 22
Max 81

[^] Action Level set out at AMS3 Ho Yu College is adopted.

^{*}Action Level set out at AMS7 Hong Kong SkyCity Marriott Hotel



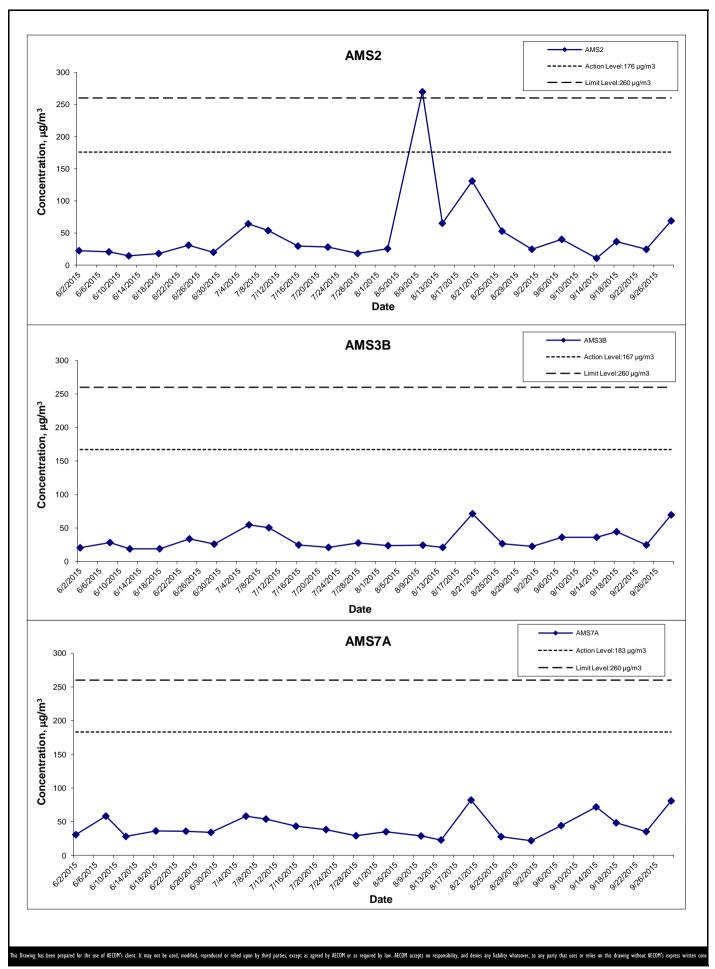
HONG KONG - ZHUHAI - MACAO BRIDGE
HONG KONG BOUNDARY CROSSING FACILITIES
- RECLAMATION WORKS
Gra

Graphical Presentation of Impact 1-hour TSP

Monitoring Results

AECOM

Project No.: 60249820 Date: OCT 2015 Appendix G



HONG KONG - ZHUHAI - MACAO BRIDGE HONG KONG BOUNDARY CROSSING FACILITIES

Graphical Presentation of Impact 24-hour TSP

- RECLAMATION WORKS **Monitoring Results** Project No.: 60249820 Date: OCT 2015



APPENDIX H Meteorological Data for Monitoring Periods on Monitoring Dates in September 2015

WIND DATA

WIND DATA			
Date	Time	Averaged Wind Speed (m/s)	Averaged Wind Direction (degrees)
09/01/2015	13:38:49	3.30	90
09/01/2015	14:38:49	0.00	96
09/01/2015	15:38:49	0.62	103
09/01/2015	16:38:49	0.00	69
09/01/2015	17:38:49	0.04	60
09/01/2015	18:38:49	0.10	305
09/01/2015	19:38:49	0.13	252
09/01/2015	20:38:49	0.15	228
09/01/2015	21:38:49	0.11	18
09/01/2015	22:38:49	0.24	248
09/01/2015	23:38:49	0.18	68
09/02/2015	00:38:49	0.06	102
09/02/2015	01:38:49	1.41	274
09/02/2015	02:38:49	0.01	263
09/02/2015	03:38:49	0.01	84
09/02/2015	04:38:49	0.01	47
09/02/2015	05:38:49	0.27	146
09/02/2015	06:38:49	1.23	288
09/02/2015	07:38:49	1.96	86
09/02/2015	08:38:49	0.98	112
09/02/2015	09:38:49	0.08	27
09/02/2015	10:38:49	0.06	122
09/02/2015	11:38:49	1.38	112
09/02/2015	11:46:20	0.22	163
09/02/2015	12:46:20	0.41	163
09/02/2015	13:46:20	0.57	93
09/02/2015	14:46:20	0.63	101
09/07/2015	13:46:29	0.03	57
09/07/2015	14:46:29	0.03	80
09/07/2015	15:46:29	0.03	73
09/07/2015	16:46:29	0.06	103
09/07/2015	17:46:29	0.08	278
09/07/2015	18:46:29	0.18	59
09/07/2015	19:46:29	0.62	101
09/07/2015	20:46:29	1.40	103
09/07/2015	21:46:29	0.13	143
09/07/2015	22:46:29	0.20	113
09/07/2015	23:46:29	0.10	249
09/08/2015	00:46:29	0.74	44
09/08/2015	01:46:29	0.42	141
09/08/2015	02:46:29	0.43	110
09/08/2015	03:46:29	1.43	99
09/08/2015	04:46:29	0.13	138
09/08/2015	05:46:29	0.10	101
09/08/2015	06:46:29	0.64	45
			116
09/08/2015	07:46:29	0.13	
09/08/2015	08:46:29	1.54	103
09/08/2015	09:46:29	1.26	39
09/08/2015	10:46:29	1.62	97
09/08/2015	11:41:41	3.75	86
09/08/2015	12:41:41	1.26	96
09/08/2015	13:41:41	3.54	105
09/08/2015	14:41:41	5.30	101
09/14/2015	08:41:41	2.53	61
09/14/2015	09:41:41	1.94	133
09/14/2015	10:41:41	4.08	112
	_		
09/14/2015	11:41:41	3.52	110
09/14/2015	12:41:41	1.38	78
09/14/2015	13:41:41	0.17	138
09/14/2015	14:41:41	0.10	103
09/14/2015	15:41:41	2.27	109
09/14/2015	16:41:41	0.39	59
09/14/2015	17:41:41	0.39	45
09/14/2015	18:41:41	1.23	351
09/14/2015	19:41:41	1.76	113
09/14/2015	20:41:41	0.18	31
09/14/2015	21:41:41	0.94	105
09/14/2015	22:41:41	0.92	121
09/14/2015	23:41:41	2.87	99
09/15/2015	00:41:41	3.48	107
09/15/2015	01:41:41	1.05	110
09/15/2015	02:41:41	8.24	90
09/15/2015	03:41:41	0.90	102
09/15/2015	04:41:41	1.76	125
		2.21	96
	()5./11./11	4.41	
09/15/2015	05:41:41		
09/15/2015 09/15/2015	06:41:41	3.75	85
09/15/2015 09/15/2015 09/15/2015	06:41:41 07:41:41	3.75 1.94	127
09/15/2015 09/15/2015	06:41:41	3.75	
09/15/2015 09/15/2015 09/15/2015 09/15/2015	06:41:41 07:41:41 08:41:41	3.75 1.94 3.36	127 120
09/15/2015 09/15/2015 09/15/2015 09/15/2015 09/15/2015	06:41:41 07:41:41 08:41:41 09:41:41	3.75 1.94 3.36 1.89	127 120 101
09/15/2015 09/15/2015 09/15/2015 09/15/2015 09/15/2015 09/18/2015	06:41:41 07:41:41 08:41:41 09:41:41 13:41:41	3.75 1.94 3.36 1.89 0.67	127 120 101 88
09/15/2015 09/15/2015 09/15/2015 09/15/2015 09/15/2015 09/18/2015 09/18/2015	06:41:41 07:41:41 08:41:41 09:41:41 13:41:41 14:41:41	3.75 1.94 3.36 1.89 0.67 1.30	127 120 101 88 97
09/15/2015 09/15/2015 09/15/2015 09/15/2015 09/15/2015 09/18/2015	06:41:41 07:41:41 08:41:41 09:41:41 13:41:41	3.75 1.94 3.36 1.89 0.67	127 120 101 88
09/15/2015 09/15/2015 09/15/2015 09/15/2015 09/15/2015 09/18/2015 09/18/2015	06:41:41 07:41:41 08:41:41 09:41:41 13:41:41 14:41:41	3.75 1.94 3.36 1.89 0.67 1.30	127 120 101 88 97
09/15/2015 09/15/2015 09/15/2015 09/15/2015 09/15/2015 09/18/2015 09/18/2015 09/18/2015 09/18/2015	06:41:41 07:41:41 08:41:41 09:41:41 13:41:41 14:41:41 15:41:41 16:41:41	3.75 1.94 3.36 1.89 0.67 1.30 0.42	127 120 101 88 97 89
09/15/2015 09/15/2015 09/15/2015 09/15/2015 09/15/2015 09/18/2015 09/18/2015 09/18/2015 09/18/2015	06:41:41 07:41:41 08:41:41 09:41:41 13:41:41 14:41:41 15:41:41 16:41:41 17:41:41	3.75 1.94 3.36 1.89 0.67 1.30 0.42 0.00	127 120 101 88 97 89 94 105
09/15/2015 09/15/2015 09/15/2015 09/15/2015 09/15/2015 09/18/2015 09/18/2015 09/18/2015 09/18/2015 09/18/2015 09/18/2015	06:41:41 07:41:41 08:41:41 09:41:41 13:41:41 14:41:41 15:41:41 16:41:41 17:41:41 18:41:41	3.75 1.94 3.36 1.89 0.67 1.30 0.42 0.00 0.15	127 120 101 88 97 89 94 105
09/15/2015 09/15/2015 09/15/2015 09/15/2015 09/15/2015 09/18/2015 09/18/2015 09/18/2015 09/18/2015	06:41:41 07:41:41 08:41:41 09:41:41 13:41:41 14:41:41 15:41:41 16:41:41 17:41:41	3.75 1.94 3.36 1.89 0.67 1.30 0.42 0.00	127 120 101 88 97 89 94 105

Appendix H Wind Data 1 October 2015

APPENDIX H Meteorological Data for Monitoring Periods on Monitoring Dates in September 2015

WIND DATA

Date	Time	Averaged Wind Speed (m/s)	Averaged Wind Direction (degrees)
09/18/2015	21:41:41	0.28	81
09/18/2015	22:41:41	0.32	113
09/18/2015	23:41:41	0.24	272
09/192015	00:41:41	0.18	271
09/192015	01:41:41	0.17	251
09/192015	02:41:41	0.06	238
09/192015	03:41:41	0.01	238
09/192015	04:41:41	0.01	238
09/192015	05:41:41	0.10	219
09/192015	06:41:41	0.11	219
09/192015	07:41:41	0.18	280
09/192015	08:41:41	0.08	42
09/192015	09:41:41	0.62	88
09/192015	10:41:41	0.28	103
09/192015	11:41:41	0.59	101
09/192015	12:41:41	0.62	80
09/192015	13:41:41	0.00	73
09/192015	14:41:41	1.76	282
09/24/2015	13:41:41	0.31	340
09/24/2015	14:41:41	1.61	99
09/24/2015	15:41:41	1.48	284
09/24/2015	16:41:41	1.12	288
09/24/2015	17:41:41	0.97	255
09/24/2015	18:41:41	0.06	236
09/24/2015	19:41:41	0.50	92
09/24/2015	20:41:41	0.20	247
09/24/2015	21:41:41	0.38	232
09/24/2015	22:41:41	0.25	114
09/24/2015	23:41:41	0.17	261
09/25/2015	00:41:41	0.17	242
09/25/2015	01:41:41	0.49	247
09/25/2015	02:41:41	0.01	253
09/25/2015	03:41:41	0.27	114
09/25/2015	04:41:41	0.01	248
09/25/2015	05:41:41	0.04	41
09/25/2015	06:41:41	0.07	126
09/25/2015	07:41:41	0.07	229
09/29/2015	13:54:59	1.58	267
09/29/2015	14:54:59	0.06	309
09/29/2015	15:54:59	0.90	274
09/29/2015	16:54:59	0.57	265
09/29/2015	17:54:59	0.20	257
09/29/2015	18:54:59	0.28	190
09/29/2015	19:54:59	0.34	215
09/29/2015	20:54:59	0.13	75
09/29/2015	21:54:59	0.17	278
09/29/2015	22:54:59	0.56	107
09/29/2015	23:54:59	0.73	256
09/30/2015	00:54:59	0.38	285
09/30/2015	01:54:59	0.04	108
09/30/2015	02:54:59	0.01	297
09/30/2015	03:54:59	0.03	259
09/30/2015	04:54:59	0.00	87
09/30/2015	05:54:59	0.01	101
09/30/2015	06:54:59	0.06	330
09/30/2015	07:54:59	0.15	352
09/30/2015	08:54:59	0.01	185
09/30/2015	09:54:59	1.78	95
09/30/2015	10:54:59	0.36	79
		0.00	314
09/30/2015 09/30/2015	11:54:59 12:54:59	0.00	91

Remarks: Due to malfunction of the wind data monitoring equipment, wind data was not able to be obtained for monitoring event(s) conducted between 07:42 25 September 2015 – 14:00 25 September 2015. Wind speed and direction dataset 07:42 25 September 2015 – 14:00 25 September 2015 from the Hong Kong Observatory is not available at time this monthly report is submitted.

Appendix H Wind Data 2 October 2015

Appendix I Impact Daytime Construction Noise Monitoring Results

Daytime Noise Monitoring Results at Station NMS2 - Seaview Crescent Tower 1

Average

		Nois	se Level for 30	O-min, dB(A) [#]					
Date	Weather Condition	Time	L90	L10	Leq	Averaged Wind Speed (m/s)	Baseline Noise Level, dB(A)	Limit Level, dB(A)	Exceedance (Y/N)
02-Sep-15	Cloudy	10:42	64	69	67	<5m/s	62.9	75	N
08-Sep-15	Sunny	10:30	64	71	68	<5m/s	62.9	75	N
14-Sep-15	Sunny	10:42	64	69	66	<5m/s	62.9	75	N
25-Sep-15	Sunny	10:30	63	68	66	<5m/s	62.9	75	N
30-Sep-15	Sunny	10:38	61	66	64	<5m/s	62.9	75	N
		Min	61	66	64				
		Max	64	71	68				

68 66

Daytime Noise Monitoring Results at Station NMS3B - Site Boundary of Site Office (WA2)

		Nois	se Level for 30	O-min, dB(A)#					
Date	Weather Condition	Time	L90	L10	Leq	Averaged Wind Speed (m/s)	Baseline Noise Level, dB(A) ^	Limit Level, dB(A)**	Exceedance (Y/N)
02-Sep-15	Cloudy	11:33	65	70	68	<5m/s	66.3	70	N
08-Sep-15	Sunny	11:18	59	70	66	<5m/s	66.3	70	N
14-Sep-15	Sunny	11:34	60	68	64	<5m/s	66.3	70	N
25-Sep-15	Sunny	11:15	64	69	67	<5m/s	66.3	70	N
30-Sep-15	Sunny	11:30	64	68	67	<5m/s	66.3	70	N
		Min	59	68	64		·		·

Min 59 68 64

Max 65 70 68

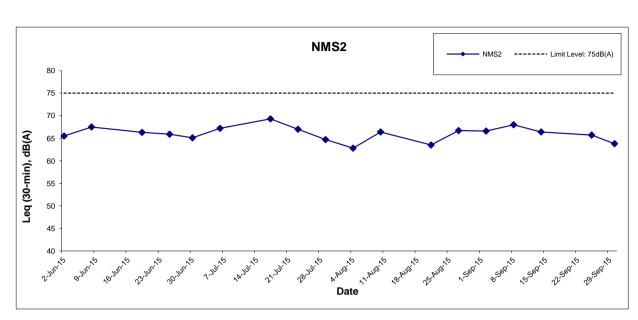
Average -- -- 66

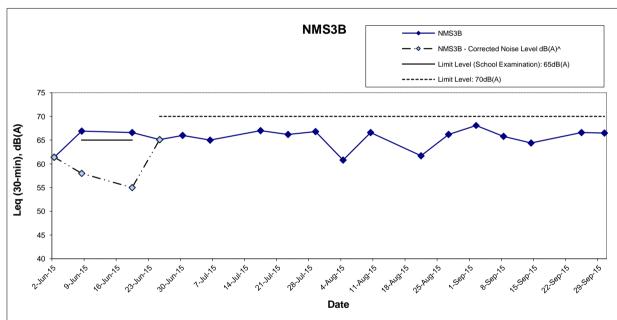
[#] A correction of +3dB(A) was made to the free field measurement.

^{*} Façade measurement.

[^] Averaged baseline noise level recorded at NMS3 Ho Yu College is adopted.

^{**} Limit Level of 70dB(A) applies to education institutes while 65dB(A) applies during school examination period.





Remarks: Effective from July 2012, the Limit Level at NMS3A was revised to 70dB(A). Daytime noise Limit Level of 70 dB(A) applies to education institutions, while 65dB(A) applies during school examination period.

>The measured noise level on 8 and 19 June 2015 at NMS3B exceeded the noise level of 65dB(A) during examination period but it is higher than the baseline level. Therefore, baseline correction was carried out and the corrected noise level which solely represent the noise level of Construction works are 58.0 dB(A) and 54.8 dB(A) respectively which are lower than the exceedance level of 65dB(A). As such the EAP was not triggered.

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HONG KONG - ZHUHAI - MACAO BRIDGE HONG KONG BOUNDARY CROSSING FACILITIES

- RECLAMATION WORKS

Graphical Presentation of Impact Daytime Construction Noise Monitoring Results



Project No.: 60249820 Date: Oct 2015 Appendix I

Appendix J - Marine Water Quality Monitoring Results

Water Quality Monitoring Results at CS(Mf)3 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Sampl	ing	Tempera	ature (°C)	ŗ	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissolv	ed Oxygen	(mg/L)	Ti	urbidity(NT	U)	Suspe	ended Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	15:08		Surface	1.0	24.6 24.6	24.6	7.9 7.9	7.9	25.5 25.1	25.3	81.1 80.3	80.7	5.8 5.8	5.8		12.1 12.4	12.3		11.1 11.1	11.1	
				6.4	Middle	3.2	24.4	24.4	7.9	7.9	26.1	25.8	78.7	78.9	5.7	5.7	5.8	12.2	12.0	12.5	12.5	12.1	11.6
					Bottom	5.4	24.4 24.2	24.2	7.9 7.8	7.8	25.5 27.4	27.1	79.1 78.5	79.4	5.7 5.6	5.7	5.7	11.8 13.1	13.3		11.6 11.8	11.5	1
4-Sep-15	Sunny	Moderate	10:00				24.3 24.8		7.8 7.8		26.8 22.1		80.3 72.0		5.8 5.3			13.5 3.5			11.2 3.9		<u> </u>
4-Sep-15	Suriny	ivioderate	16:09		Surface	1.0	25.0	24.9	7.8	7.8	21.9	22.0	72.4	72.2	5.3	5.3	5.2	3.6	3.6		4.2	4.1	
				7.1	Middle	3.6	24.4 24.5	24.4	7.7 7.8	7.8	25.5 26.5	26.0	71.4 71.9	71.7	5.1 5.1	5.1		3.7 3.6	3.7	3.7	5.2 5.0	5.1	4.8
					Bottom	6.1	24.3 24.7	24.5	7.7 7.7	7.7	26.9 26.8	26.8	71.2 71.5	71.4	5.1 5.1	5.1	5.1	4.0 3.8	3.9		5.3 5.2	5.3	
7-Sep-15	Cloudy	Moderate	09:23		Surface	1.0	26.4 26.4	26.4	7.9 7.9	7.9	10.6 10.5	10.6	84.2 85.7	85.0	6.4 6.5	6.5		5.0 4.8	4.9		3.7 2.9	3.3	
				6.7	Middle	3.4	26.4 26.3	26.3	7.9 7.8	7.8	11.0 11.9	11.4	78.9 82.4	80.7	6.0 6.2	6.1	6.3	5.4 5.0	5.2	5.7	3.2 3.9	3.6	3.8
					Bottom	5.7	25.9	25.8	7.7	7.7	17.9	17.7	82.7	80.1	6.1	6.0	6.0	6.8	7.0		4.0	4.4	1
9-Sep-15	Sunny	Moderate	11:17		Surface	1.0	25.6 24.9	24.9	7.7 8.1	8.1	17.4 14.6	14.0	77.5 79.5	81.8	5.9 6.1	6.3		7.1 3.1	3.2		4.8 1.3	1.6	
				0.5			24.9 24.3		8.0 8.0		13.4 19.2		84.1 75.9		6.5 5.7		6.1	3.2			1.8 3.1		
				6.5	Middle	3.3	24.3 23.8	24.3	8.0 8.0	8.0	18.1 19.4	18.7	80.2 75.8	78.1	6.0 5.6	5.9		3.4 3.3	3.4	3.3	4.3 2.6	3.7	2.8
					Bottom	5.5	24.2	24.0	8.0	8.0	19.4	19.4	77.6	76.7	5.9	5.8	5.8	3.3	3.3		3.6	3.1	
11-Sep-15	Fine	Moderate	12:43		Surface	1.0	25.0 25.1	25.1	7.9 8.0	8.0	17.4 18.1	17.7	79.6 81.7	80.7	6.0 6.1	6.0	5.8	4.0 3.7	3.9		3.5 3.5	3.5	_
				6.2	Middle	3.1	24.4 24.4	24.4	7.9 7.9	7.9	23.5 21.6	22.6	74.1 76.2	75.2	5.4 5.6	5.5	0.0	5.0 4.6	4.8	5.1	5.8 4.3	5.1	4.0
					Bottom	5.2	24.2 24.4	24.3	7.9 7.9	7.9	26.6 22.2	24.4	82.9 79.6	81.3	6.0 5.9	5.9	5.9	6.2 6.8	6.5		3.7 3.3	3.5	
14-Sep-15	Sunny	Moderate	13:06		Surface	1.0	24.9	24.9	8.0	8.0	25.4	25.7	83.9	83.7	6.0	6.0		5.8	5.9		3.6	4.2	
				6.3	Middle	3.2	24.9 24.6	24.6	8.0 8.0	8.0	25.9 26.1	27.0	83.4 83.5	83.4	6.0 5.9	5.9	6.0	5.9 5.7	5.8	5.9	4.7 3.7	4.0	4.0
				0.5			24.6 24.4		8.0 8.0		27.8 29.4		83.2 82.0		5.9 5.8		5.0	5.9 5.9		5.5	4.3 3.5		4.0
					Bottom	5.3	24.6	24.5	8.0	8.0	28.6	29.0	83.1	82.6	5.9	5.9	5.9	5.8	5.9		4.3	3.9	
16-Sep-15	Fine	Moderate	13:58		Surface	1.0	25.1 25.1	25.1	8.0 8.0	8.0	19.3 19.4	19.3	86.3 85.7	86.0	6.4 6.3	6.4	6.4	4.2 3.9	4.1		4.3 5.4	4.9	
				6.2	Middle	3.1	25.0 24.9	25.0	8.0 8.0	8.0	19.9 21.1	20.5	85.7 84.8	85.3	6.3 6.2	6.3	0.1	6.1 6.6	6.4	5.7	4.7 5.3	5.0	5.7
					Bottom	5.2	24.9 24.9	24.9	8.0 8.0	8.0	22.4 21.0	21.7	85.2 85.6	85.4	6.2 6.3	6.3	6.3	6.3 6.9	6.6		7.2 7.4	7.3	
18-Sep-15	Fine	Moderate	15:02		Surface	1.0	26.0 26.0	26.0	7.8 7.8	7.8	21.0 20.6	20.8	79.2 80.1	79.7	5.7 5.7	5.7		8.9 8.8	8.9		5.1 3.4	4.3	
				6.2	Middle	3.1	24.9	24.9	7.8	7.8	26.4	26.5	78.8	78.5	5.6	5.6	5.7	9.1	9.0	9.1	4.5	4.5	4.7
					Bottom	5.2	24.9 24.9	25.0	7.8 7.8	7.8	26.7 27.9	27.9	78.2 77.7	77.8	5.5 5.6	5.6	5.6	8.9 9.3	9.3	-	4.5 5.3	5.3	1
21-Sep-15	Rainy	Moderate	05:57		Surface	1.0	25.0 25.9	25.9	7.8 7.9	7.9	27.8 14.4	14.8	77.9 88.2	87.8	5.5 6.6		0.0	9.2			5.2 2.4	2.7	<u> </u>
	-						25.9 25.9		7.9 7.9		15.2 16.0		87.4 86.8		6.5 6.4	6.5	6.5	2.3	2.3		3.0 2.9		
				6.5	Middle	3.3	25.9 25.8	25.9	7.9 7.8	7.9	16.0 20.4	16.0	86.1 85.9	86.5	6.4	6.4		2.5	2.5	2.4	3.0	3.0	2.7
					Bottom	5.5	25.8 25.8	25.8	7.8 7.8	7.8	20.4	20.8	85.9 86.0	86.0	6.2	6.3	6.3	2.5 2.5	2.5		2.5	2.4	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at CS(Mf)3 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Samplin	ng	Tempera	ature (°C)	ŗ	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NTl	J)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth (r	m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	08:40		Surface	1.0	25.8 25.7	25.8	8.0 8.0	8.0	12.7 13.4	13.0	90.1 86.0	88.1	6.8 6.5	6.7	6.5	3.6 3.6	3.6		2.2 2.4	2.3	
				6.6	Middle	3.3	25.6 25.7	25.6	8.0 7.9	8.0	18.9 17.3	18.1	82.4 87.5	85.0	6.1 6.5	6.3	6.5	3.8 3.8	3.8	3.7	2.7 2.7	2.7	2.6
					Bottom	5.6	25.7 25.5	25.6	7.9 7.9	7.9	23.2 26.7	25.0	88.6 84.5	86.6	6.3 6.0	6.1	6.1	3.8 3.8	3.8		2.1 3.4	2.8	
25-Sep-15	Sunny	Moderate	11:22		Surface	1.0	26.9 26.9	26.9	7.9 7.9	7.9	15.2 14.3	14.7	101.0 100.1	100.6	7.2 7.3	7.3	7.3	3.9 3.9	3.9		3.9 4.2	4.1	
				6.4	Middle	3.2	26.6 26.7	26.7	7.8 7.8	7.8	18.1 17.6	17.9	100.3 99.4	99.9	7.3 7.2	7.2	7.0	4.0 4.1	4.1	4.1	4.4 2.7	3.6	3.8
					Bottom	5.4	27.2 26.7	26.9	7.8 7.8	7.8	18.4 18.0	18.2	98.3 98.8	98.6	7.1 7.3	7.2	7.2	4.3 4.2	4.3		3.4 3.8	3.6	
28-Sep-15	Sunny	Moderate	12:23		Surface	1.0	26.3 26.3	26.3	8.0 8.0	8.0	26.2 25.8	26.0	75.6 75.1	75.4	5.3 5.2	5.3	5.3	8.4 8.3	8.4		6.5 5.5	6.0	
				6.5	Middle	3.3	26.2 26.2	26.2	8.0 8.0	8.0	26.5 26.7	26.6	74.1 76.0	75.1	5.2 5.3	5.2	5.5	9.3 9.4	9.4	9.0	5.7 6.0	5.9	6.1
					Bottom	5.5	26.2 26.2	26.2	8.0 8.0	8.0	26.9 26.8	26.8	77.1 75.3	76.2	5.4 5.2	5.3	5.3	8.8 9.3	9.1		7.0 6.0	6.5	
30-Sep-15	Fine	Moderate	14:41		Surface	1.0	26.3 26.1	26.2	7.9 7.9	7.9	25.6 25.9	25.7	77.9 77.9	77.9	5.4 5.5	5.4	5.4	13.2 13.3	13.3		9.0 9.8	9.4	
				6.3	Middle	3.2	26.0 25.9	26.0	7.9 7.9	7.9	26.5 27.1	26.8	77.5 77.4	77.5	5.4 5.4	5.4	5.4	13.4 13.5	13.5	13.6	9.7 9.8	9.8	9.6
					Bottom	5.3	26.1 25.9	26.0	7.9 7.9	7.9	26.6 27.2	26.9	76.7 76.2	76.5	5.4 5.3	5.3	5.3	13.9 14.0	14.0		9.6 9.4	9.5	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS4 and CS(Mf)3 are considered as upstream contol stations of mid-ebb tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at CS(Mf)3 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampl	ling	Tempera	ature (°C)	F	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissolv	ed Oxygen	(mg/L)	Т	urbidity(NTl	J)	Suspe	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	09:32		Surface	1.0	24.5 24.5	24.5	7.8 7.8	7.8	25.3 25.3	25.3	81.8 78.5	80.2	5.9 5.7	5.8		14.5 13.1	13.8		19.1 18.1	18.6	
				6.8	Middle	3.4	24.4 24.4	24.4	7.8 7.8	7.8	25.7 26.6	26.1	78.2 77.0	77.6	5.7 5.6	5.6	5.7	12.8 13.6	13.2	13.4	24.4 23.5	24.0	21.3
					Bottom	5.8	24.4	24.4	7.8 7.8	7.8	27.4 25.9	26.6	76.0 75.7	75.9	5.5 5.5	5.5	5.5	12.9	13.1		21.8	21.2	
4-Sep-15	Sunny	Moderate	11:28		Surface	1.0	24.4	24.8	7.8	7.8	22.1	22.1	77.1	76.0	5.6	5.5		3.6	3.6		8.8	9.2	
				7.1			24.9 24.5	24.5	7.8 7.8	7.8	22.1	23.5	74.9 74.2	74.4	5.5 5.4	5.4	5.5	3.6		3.8	9.5 9.9		9.4
				7.1	Middle	3.6	24.5 24.4		7.8 7.8		23.5		74.6 73.4		5.5 5.3			3.7 3.8	3.8	3.8	11.0 8.0	10.5	9.4
7.0 45	Comment	Madasata	45.20		Bottom	6.1	24.3	24.4	7.8	7.8	25.5	24.7	73.8	73.6	5.4	5.4	5.4	4.0	3.9		8.8	8.4	
7-Sep-15	Sunny	Moderate	15:38		Surface	1.0	26.6 26.7	26.7	7.9	7.9	7.4 7.4	7.4	91.9	91.2	7.0 7.1	7.0	6.9	4.7	4.9		2.3	2.5	
				6.5	Middle	3.3	26.5 26.5	26.5	7.8 7.8	7.8	8.6 8.7	8.6	89.5 88.1	88.8	6.9 6.8	6.8		5.1 5.7	5.4	5.4	3.1 2.2	2.7	2.6
					Bottom	5.5	26.4 26.5	26.4	7.8 7.8	7.8	12.5 12.3	12.4	89.2 91.0	90.1	6.7 6.8	6.8	6.8	6.0 5.7	5.9		2.5 2.7	2.6	
9-Sep-15	Sunny	Moderate	17:15		Surface	1.0	25.1 25.2	25.2	8.0 8.0	8.0	16.6 16.0	16.3	101.8 97.7	99.8	7.6 7.3	7.5		2.2 2.3	2.3		4.3 4.6	4.5	
				6.7	Middle	3.4	25.0 24.2	24.6	8.0 8.0	8.0	17.1 17.8	17.5	100.4 97.4	98.9	7.5 7.3	7.4	7.5	2.6 2.5	2.6	2.5	4.7 3.2	4.0	4.3
					Bottom	5.7	23.8	24.4	8.0	8.0	20.5	19.5	96.1 97.5	96.8	7.3 7.3	7.3	7.3	2.6	2.6		3.6	4.3	
11-Sep-15	Fine	Moderate	18:04		Surface	1.0	25.9	26.0	8.0 8.1	8.1	18.5 16.9	16.2	108.5	110.6	8.0	8.2		2.7	2.8		3.8	4.2	
				6.2	Middle	3.1	26.0 25.4	25.5	8.1 8.0	8.0	15.4 16.2	16.9	112.6 100.4	99.2	7.5	7.4	7.8	3.4	3.3	3.2	4.5	3.7	3.9
				0.2		5.2	25.5 25.0	25.1	8.0 8.0	8.0	17.6 21.3	20.6	98.0 98.7	101.9	7.3 7.2		7.5	3.1	3.4	0.2	3.3	3.7	
14-Sep-15	Sunny	Moderate	07:33		Bottom		25.1 24.3		8.0 7.9		19.8 26.9		105.1 77.2		7.8 5.5	7.5	7.5	3.5 10.7			3.5 8.0		
					Surface	1.0	24.4	24.3	7.9 7.9	7.9	26.6 27.9	26.8	77.1 77.0	77.2	5.5 5.5	5.5	5.5	10.3	10.5		7.2	7.6	
				6.7	Middle	3.4	24.2	24.2	7.9	7.9	27.9	27.9	76.7	76.9	5.5	5.5		10.7	10.6	10.6	7.6	8.5	8.8
					Bottom	5.7	24.2 24.2	24.2	7.9 7.9	7.9	28.2 28.1	28.1	76.5 76.1	76.3	5.5 5.4	5.5	5.5	10.7 10.5	10.6		10.3 10.5	10.4	
16-Sep-15	Fine	Moderate	08:57		Surface	1.0	24.9 24.8	24.9	7.9 7.9	7.9	19.0 20.7	19.9	83.8 84.9	84.4	6.2 6.3	6.2	6.2	9.2 9.7	9.5		5.3 5.6	5.5	
				6.3	Middle	3.2	24.8 24.8	24.8	7.9 7.9	7.9	23.1 20.9	22.0	86.9 83.4	85.2	6.3 6.1	6.2	0.2	9.5 9.3	9.4	10.0	4.8 5.4	5.1	5.8
					Bottom	5.3	24.8 24.8	24.8	8.0 7.9	7.9	24.2 21.4	22.8	90.9 84.8	87.9	6.6 6.2	6.4	6.4	11.2 10.9	11.1		6.5 7.3	6.9	
18-Sep-15	Fine	Moderate	10:07		Surface	1.0	24.9 24.9	24.9	7.8 7.8	7.8	19.4 19.0	19.2	84.3 84.1	84.2	6.2 6.1	6.2		9.8 9.7	9.8		9.0 9.4	9.2	
				6.4	Middle	3.2	24.9	24.9	7.8	7.8	20.8	20.5	82.1	82.5	6.1	6.1	6.2	10.0	10.0	10.0	13.1	13.3	12.3
					Bottom	5.4	24.9 24.9	24.9	7.8 7.8	7.8	20.1	20.9	82.9 81.4	81.5	6.0	6.0	6.0	9.9	10.3		13.4 13.1	14.3	
21-Sep-15	Cloudy	Moderate	13:06		Surface	1.0	24.9 25.8	25.8	7.8 7.9	7.9	21.6 13.8	13.7	81.5 85.0	85.2	6.0	6.4	0.0	10.2 2.2	2.2		15.4 2.4	2.2	
	-			6.5			25.8 25.7		7.9 7.9		13.7 16.3		85.3 83.2		6.4		6.3	2.2		0.0	2.0		0.1
				6.5	Middle	3.3	25.6 25.6	25.6	7.8 7.8	7.9	16.5 25.1	16.4	84.8 81.4	84.0	6.1 5.9	6.1		2.2	2.2	2.2	3.0	2.7	2.4
					Bottom	5.5	25.6 25.7	25.6	7.8 7.8	7.8	25.1 25.4	25.2	81.3	81.4	6.0	6.0	6.0	2.3	2.3		2.5	2.3	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at CS(Mf)3 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampling	g	Temperat	ture (°C)	ŗ	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissolv	red Oxygen	(mg/L)	Т	urbidity(NTl	J)	Suspe	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth (m	n)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	15:35		Surface	1.0	26.3 26.2	26.3	8.0 8.0	8.0	19.1 19.3	19.2	88.7 89.3	89.0	6.3 6.3	6.3	6.2	2.2 2.3	2.3		5.4 4.2	4.8	
				6.4	Middle		25.8 25.9	25.9	8.0 8.0	8.0	21.4 21.7	21.6	86.7 87.7	87.2	6.1 6.1	6.1	6.2	2.4 2.4	2.4	2.4	5.2 4.2	4.7	4.8
					Bottom	5.4	25.7 25.9	25.8	8.0 8.0	8.0	27.6 26.5	27.1	83.2 85.0	84.1	6.0 6.1	6.1	6.1	2.4 2.5	2.5		4.5 5.2	4.9	
25-Sep-15	Sunny	Moderate	17:27		Surface	1.0	26.8 26.8	26.8	7.9 7.9	7.9	19.5 19.3	19.4	100.6 99.8	100.2	7.1 7.2	7.1	7.1	4.6 4.6	4.6		3.3 3.0	3.2	
				6.4	Middle		26.6 26.5	26.6	7.8 7.8	7.8	20.2 20.1	20.1	99.2 99.6	99.4	7.1 7.0	7.1	7.1	4.7 4.8	4.8	4.8	5.1 4.5	4.8	4.5
					Bottom	5.4	26.9 26.4	26.7	7.8 7.8	7.8	22.5 23.1	22.8	97.8 96.5	97.2	7.0 6.9	7.0	7.0	4.9 4.9	4.9		5.1 5.7	5.4	
28-Sep-15	Sunny	Moderate	07:03		Surface	1.0	26.2 26.2	26.2	8.0 8.0	8.0	27.3 27.4	27.4	78.4 76.0	77.2	5.4 5.3	5.4	5.4	11.3 10.3	10.8		8.1 8.6	8.4	
				6.6	Middle	3.3	26.1 26.1	26.1	8.0 8.0	8.0	27.6 27.5	27.6	79.9 76.9	78.4	5.5 5.3	5.4	5.4	11.3 11.0	11.2	11.1	8.4 7.7	8.1	8.1
					Bottom	5.6	26.1 26.2	26.1	8.0 8.0	8.0	27.7 27.5	27.6	78.5 77.9	78.2	5.4 5.4	5.4	5.4	11.5 10.8	11.2		8.6 7.0	7.8	
30-Sep-15	Fine	Moderate	08:46		Surface		26.2 26.5	26.4	7.8 7.8	7.8	21.2 21.5	21.4	77.9 77.2	77.6	5.6 5.5	5.6	5.6	15.0 14.9	15.0		16.5 17.2	16.9	
				6.5	Middle	3.3	26.6 26.4	26.5	7.8 7.8	7.8	21.9 21.6	21.7	76.9 77.1	77.0	5.5 5.5	5.5	5.0	15.2 15.3	15.3	15.3	15.9 15.1	15.5	16.1
					Bottom	5.5	26.2 26.4	26.3	7.8 7.8	7.8	21.6 21.9	21.8	76.7 76.6	76.7	5.5 5.5	5.5	5.5	15.6 15.5	15.6		16.0 15.9	16.0	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS6, CSA and CS(Mf)5 are considered as upstream contol stations of mid-flood tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Appendix J - Marine Water Quality Monitoring Results

Water Quality Monitoring Results at CS4 - Mid-EbbTide

Condition Condition Condition** Time Depth (m) Depth (m) Value Average Value Avera	Average DA* 17.3 15.2 16.1	Value Average DA* 11.1 11.3 11.5 11.6 11.7 11.6 12.5 42.2
16.4 Middle 8.2 24.2 24.2 7.9 7.9 7.9 25.7 26.1 78.0 76.7 5.6 5.5 5.5 15.6 15.5 15.5 15.5 15.5 15	15.2 16.2 16.1	11.5 11.3 11.7 11.6 11.7
16.4 Middle 8.2 24.2 24.2 7.9 7.9 7.9 27.4 27.8 76.9 76.8 5.5 5.5 5.5 15.5 14.9 80ttom 15.4 24.2 24.2 7.8 7.8 7.8 27.7 28.0 77.6 76.8 5.5 5.6 5.6 16.3 15.8 4-Sep-15 Sunny Moderate 15:56 Surface 1.0 25.1 25.0 7.8 7.8 22.2 22.2 72.9 72.8 5.3 5.3 3.3	16.1	11.7 11.5 12.5
24.2 7.9 28.3 76.7 5.5 14.9	16.1	11.5
4-Sep-15 Sunny Moderate 15:56 Surface 1.0 25.1 25.0 7.8 7.8 28.3 26.0 77.6 78.2 5.5 5.0 5.0 5.0 15.8 3.3 3.3		
		11.9
	3.4	5.0 4.7
18.3 Middle 9.2 24.6 24.5 7.7 7.8 26.0 26.1 72.4 72.0 5.2 5.2 5.3 3.5	3.5 3.6	5.0 5.1 4.8
7.8 7.8 7.8 26.3 26.1 71.6 72.0 5.1 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5		5.1
Bottom 17.3 24.4 24.6 7.7 7.7 26.9 26.7 71.4 71.8 5.1 5.1 5.1 3.7	3.8	4.7
7-Sep-15 Cloudy Moderate 09:43 Surface 1.0 26.4 26.4 7.8 7.8 10.9 11.0 83.0 80.5 6.3 6.1 6.1 6.1	6.1	3.4 3.8 3.6
16.2 Middle 8.1 24.8 24.8 7.7 7.7 21.9 21.9 81.2 80.9 6.1 6.9	7.1 6.6	4.7 5.4 4.4
Bottom 15.2 24.9 24.8 7.7 7.7 22.0 21.3 80.5 5.9 5.5 5.5 6.3	6.5	6.0 5.4 4.5 4.1
24.8 7.7 22.0 74.4 5.5 6.7	6.5	3.7
9-Sep-15 Sunny Moderate 11:39 Surface 1.0 25.1 25.1 8.1 8.1 13.6 13.4 77.8 77.0 5.9 5.8 3.5	3.6	2.1 2.9 2.5
16.5 Middle 8.3 23.8 23.8 8.0 8.0 19.6 19.4 75.3 75.3 75.3 5.7 5.7 5.7 3.5 3.5 3.5	3.5 3.6	3.0 4.0 3.5 2.6
Rottom 15.5 23.8 23.8 8.0 8.0 19.2 10.8 68.6 67.7 5.2 5.1 5.1 3.5	3.6	2.0
11 Sep 15 Fine Moderate 12:02 25.0 7.0 16.6 70.0 6.0 5.4		1.8
Surface 1.0 25.0 25.0 7.9 7.9 16.2 16.4 80.1 80.0 6.0 6.0 5.8 5.8	5.6	4.1
16.3 Middle 8.2 24.3 24.3 7.9 7.9 20.6 20.7 74.4 73.5 5.5 5.6 5.8 6.0 5.8	5.9 6.6	7.7 6.2 7.0 4.9
Bottom 15.3 24.4 24.3 7.9 7.9 20.6 20.9 79.0 77.3 5.9 5.7 5.7 7.9	8.4	4.0 4.0
4 Sep 45 Supply Medicate 42/45 24.2 7.9 21.1 75.5 5.6 8.8		4.0
Surface 1.0 25.0 25.0 8.0 0.0 26.3 20.3 83.6 03.7 6.0 5.9 5.9 5.4	5.3	3.4
16.8 Middle 8.4 24.4 24.4 8.0 8.0 8.0 29.5 29.6 83.4 82.2 5.9 5.8 5.6 5.6 5.6	5.6 5.6	3.6 3.1 3.4 3.6
Bottom 15.8 24.5 24.5 8.0 8.0 29.5 29.6 81.5 80.2 5.8 5.7 5.7 5.8	5.8	3.7 3.6
16-Sep-15 Fine Moderate 13:39 Surface 1.0 25.1 25.4 8.1 9.4 23.6 23.4 85.2 95.2 6.1 6.2 6.2	6.0	3.4 5.5 6.5 C.4
Surface 1.0 25.1 8.0 6.1 20.5 22.1 85.2 63 6.2 6.1 5.7	6.0	6.2 6.4
16.5 Middle 8.3 24.9 24.9 8.0 8.1 23.7 25.3 82.9 83.0 6.0 6.0 6.0 8.1 8.3	8.2 7.6	5.6 4.3 5.0 5.1
Bottom 15.5 24.9 24.9 8.1 8.0 27.6 26.3 83.3 84.0 5.9 6.0 6.0 8.5 8.8	8.7	3.8 4.0 3.9
18-Sep-15 Fine Moderate 14:41 Surface 1.0 25.1 25.1 7.8 7.8 21.6 23.0 83.6 83.3 5.9 5.9 7.9	7.9	4.1 3.8
25.0 7.8 24.5 83.0 5.9 7.9 25.0 7.8 24.5 83.0 5.9 7.8 25.0 7.9 27.9 9.0 5.7 5.9 7.8		3.4
15.7 Middle 7.9 24.9 25.0 7.8 7.8 27.8 27.8 81.9 81.4 6.0 5.8 8.1	8.1 8.1	4.2 3.4 3.7
Bottom 14.7 24.9 25.1 7.8 7.8 27.9 27.9 80.0 79.9 5.7 5.7 5.7 5.7 8.3 8.2	8.3	3.0 4.6 3.8
21-Sep-15 Rainy Moderate 06:21 Surface 1.0 25.9 25.8 7.9 7.9 14.3 14.2 85.7 85.6 6.3 6.3 3.2	3.2	2.0 2.1
25.8		2.1
16.8 Middle 6.4 25.8 25.8 7.8 7.8 7.8 20.2 21.1 84.4 64.2 6.1 6.1 3.3	3.4 3.3	3.0 2.7 2.5
Bottom 15.8 25.7 25.7 7.8 7.8 7.8 23.8 23.9 81.5 81.6 5.9 5.9 5.9 5.9 3.3 3.5	3.4	2.3 2.6

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at CS4 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Sampling	Ter	perature (°C)	F	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NT	J)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth (m) Val	e Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	09:06		Surface	1.0 25 25		8.1 8.0	8.1	10.6 10.3	10.4	82.8 85.9	84.4	6.4 6.6	6.5	6.2	6.5 6.6	6.6		3.8 2.3	3.1	
				16.2	Middle 8	3.1 25 25		7.9 7.9	7.9	23.3 24.0	23.7	85.7 77.1	81.4	6.1 5.5	5.8	0.2	6.7 6.6	6.7	6.7	2.6 3.3	3.0	3.1
					Bottom 1	5.2 25 25		7.9 7.9	7.9	24.9 23.6	24.3	77.1 82.5	79.8	5.5 5.9	5.7	5.7	6.5 6.8	6.7		2.9 3.2	3.1	
25-Sep-15	Sunny	Moderate	11:40		Surface	1.0 26 26		7.9 7.9	7.9	14.0 14.9	14.4	98.6 97.7	98.2	6.8 6.9	6.8	6.9	6.2 6.1	6.2		2.8 3.4	3.1	
				16.0	Middle 8	3.0 26 26		7.8 7.8	7.8	16.4 17.2	16.8	93.9 93.0	93.5	7.0 6.8	6.9	0.0	6.4 6.3	6.4	6.4	3.4 3.0	3.2	3.2
					Bottom 1	5.0 26 26	266	7.8 7.7	7.8	22.7 24.5	23.6	89.9 90.9	90.4	6.6 6.7	6.6	6.6	6.6 6.5	6.6		2.7 3.7	3.2	
28-Sep-15	Sunny	Moderate	12:03		Surface	1.0 26 26		8.0 8.0	8.0	26.2 26.2	26.2	74.9 75.2	75.1	5.2 5.2	5.2	5.2	9.0 8.3	8.7		6.3 5.9	6.1	
				16.5	Middle 8	3.3 26 26		8.0 8.0	8.0	26.9 26.9	26.9	73.5 74.4	74.0	5.1 5.2	5.1	5.2	10.8 9.7	10.3	9.6	7.2 6.0	6.6	6.3
					Bottom 1	5.5 26 26		8.0 8.0	8.0	26.8 27.1	27.0	76.0 73.5	74.8	5.3 5.1	5.2	5.2	9.4 10.2	9.8		6.5 6.0	6.3	
30-Sep-15	Fine	Moderate	14:20		Surface	1.0 26 26	26.1	7.9 7.9	7.9	26.1 25.9	26.0	82.8 83.1	83.0	5.8 5.8	5.8	5.7	14.9 15.1	15.0		11.9 12.4	12.2	
				15.6	Middle	7.8 26 26		7.9 7.9	7.9	26.2 26.7	26.4	81.6 80.2	80.9	5.7 5.6	5.6	5.7	15.3 15.2	15.3	15.3	12.2 13.2	12.7	13.1
					Bottom 1	4.6 26 25	26.0	7.9 7.9	7.9	27.1 27.1	27.1	78.8 78.8	78.8	5.5 5.5	5.5	5.5	15.5 15.6	15.6		15.1 13.9	14.5	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS4 and CS(Mf)3 are considered as upstream contol stations of mid-ebb tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Appendix J - Marine Water Quality Monitoring Results

Water Quality Monitoring Results at CS4 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampli	ing	Tempera	ature (°C)	p	Н	Salini	y (ppt)	DO Satu	ration (%)	Dissolv	ed Oxygen	(mg/L)	T	urbidity(NT	U)	Suspe	nded Solids	(mg/L) د
	Condition	Condition**	Time	Depth (m)	Depth ((m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	09:53		Surface	1.0	24.5	24.5	7.8	7.8	24.9	24.9	74.9	74.1	5.4	5.4		15.8	16.0		14.1	14.4	
				16.6	Middle	8.3	24.5 24.4	24.3	7.8 7.8	7.8	25.0 25.9	25.9	73.3 71.4	71.5	5.3 5.2	5.2	5.3	16.1 13.9	14.1	15.3	14.7 14.8	15.1	15.0
				10.0			24.3 24.3		7.8 7.8		25.9 26.1		71.6 71.8		5.2 5.2			14.2 15.5		10.0	15.3 14.4		10.0
					Bottom	15.6	24.3	24.3	7.8	7.8	26.0	26.1	72.8	72.3	5.3	5.2	5.2	15.8	15.7		16.4	15.4	
4-Sep-15	Sunny	Moderate	11:36		Surface	1.0	24.9 25.0	25.0	7.8 7.8	7.8	22.4 22.3	22.4	74.9 75.4	75.2	5.5 5.5	5.5		3.7 3.6	3.7		10.0 8.8	9.4	
				18.1	Middle	9.1	24.4 24.5	24.5	7.7 7.8	7.8	23.7	23.5	74.8 74.4	74.6	5.5 5.4	5.4	5.5	3.7 3.6	3.7	3.8	8.8 8.1	8.5	9.2
					Bottom	17.1	24.4	24.4	7.7	7.7	23.8	24.0	73.7	73.6	5.4	5.4	5.4	4.0	3.9		10.0	9.7	
7-Sep-15	Sunny	Moderate	15:17				24.4 26.7		7.7 7.9		7.8		73.5 89.9		5.4 6.9			3.8 5.0			9.4		
7-оер-13	Outliny	Woderate	13.17		Surface	1.0	26.7	26.7	7.9	7.9	9.4	8.6	91.5	90.7	7.0	6.9	6.6	4.7	4.9		4.5	4.4]
				16.1	Middle	8.1	26.2 26.4	26.3	7.8 7.8	7.8	10.8 13.3	12.1	87.2 83.2	85.2	6.4 6.3	6.3		6.3 6.6	6.5	6.1	4.1 4.1	4.1	4.6
					Bottom	15.1	25.7	25.8	7.7	7.7	19.6	19.2	78.9	80.0	5.8	5.9	5.9	7.0	6.8		5.7	5.4	
9-Sep-15	Sunny	Moderate	16:56		0 /		25.9 25.1		7.7 8.0		18.8 22.8		81.1 97.6		6.1 7.1			6.6 2.3			5.1 5.8		
	,				Surface	1.0	25.1	25.1	8.0	8.0	19.2	21.0	90.2	93.9	6.7	6.9	6.6	2.4	2.4		5.5	5.7	! !
				16.6	Middle	8.3	24.3 24.4	24.3	8.0 8.0	8.0	26.3 22.8	24.6	88.3 82.9	85.6	6.4 6.1	6.2		2.6	2.6	2.5	4.2 4.3	4.3	5.1
					Bottom	15.6	24.0 23.9	24.0	8.0 8.0	8.0	27.6 24.8	26.2	81.0 79.3	80.2	5.8 5.8	5.8	5.8	2.5 2.6	2.6		5.6 4.9	5.3	
11-Sep-15	Fine	Moderate	17:46		Surface	1.0	25.9 25.9	25.9	8.1 8.1	8.1	18.8 20.3	19.6	100.0 100.3	100.2	7.3 7.3	7.3		3.0 3.3	3.2		3.6 2.8	3.2	
				16.1	Middle	8.1	24.9	24.9	7.9	8.0	23.4	23.7	87.2	87.3	6.3	6.3	6.8	4.5	4.5	4.1	4.7	4.1	3.7
					Bottom	15.1	24.9 24.8	24.8	8.0 8.0	8.0	24.0 24.3	24.2	87.4 91.5	92.7	6.6	6.7	6.7	4.4 4.7	4.5		3.4 4.4	2.0	!
110 15	_		07.50		DOLLOTTI	15.1	24.8	24.0	8.0	6.0	24.1	24.2	93.8	92.7	6.8	6.7	0.7	4.3	4.5		3.1	3.8	<u> </u>
14-Sep-15	Sunny	Moderate	07:59		Surface	1.0	24.4 24.4	24.4	7.9 7.9	7.9	24.7 25.7	25.2	76.8 78.2	77.5	5.6 5.6	5.6	5.6	7.5 7.6	7.6		8.2 9.4	8.8]
				16.3	Middle	8.2	24.2 24.2	24.2	7.9 7.9	7.9	26.6 27.7	27.2	77.4 76.6	77.0	5.6 5.5	5.5	0.0	7.7 7.7	7.7	7.6	8.1 8.7	8.4	9.0
					Bottom	15.3	24.2 24.2	24.2	7.9 7.9	7.9	26.9 27.9	27.4	75.9 76.2	76.1	5.5 5.5	5.5	5.5	7.7 7.5	7.6		9.9 9.6	9.8	
16-Sep-15	Fine	Moderate	09:14		Surface	1.0	24.8	24.8	7.9	7.9	19.5	19.4	83.3	82.4	6.2	6.1		9.5	9.3		4.7	4.9	
				16.3			24.8 24.8		7.9 7.9		19.4 20.1		81.5 81.5		6.1	6.0	6.1	9.0 8.7		9.9	5.0 3.9		4.0
				16.3	Middle	8.2	24.8	24.8	7.9 7.9	7.9	20.1	20.1	81.1 81.6	81.3	6.0	6.0		8.8 11.4	8.8	9.9	4.3	4.1	4.3
					Bottom	15.3	24.8	24.8	7.9	7.9	20.1	20.1	82.5	82.1	6.0 6.1	6.1	6.1	11.8	11.6		3.2	3.8	
18-Sep-15	Fine	Moderate	10:28		Surface	1.0	24.9 25.2	25.1	7.8 7.8	7.8	17.8 16.6	17.2	82.6 82.3	82.5	6.2 6.2	6.2	0.4	9.4 9.4	9.4		4.9 5.1	5.0	
				15.9	Middle	8.0	24.9 24.9	24.9	7.8 7.8	7.8	19.1 18.6	18.9	81.1 81.5	81.3	6.0 6.0	6.0	6.1	9.6 9.5	9.6	9.6	5.7 5.8	5.8	5.9
					Bottom	14.9	24.9	24.9	7.8	7.8	19.3	19.4	80.6	80.5	6.0	6.0	6.0	9.8	9.8		6.4	6.8	
21-Sep-15	Cloudy	Moderate	12:42		Surface	1.0	24.9 25.7	25.8	7.8 7.9	7.9	19.6 14.2	14.1	80.3 85.1	85.0	6.0	6.4		9.7 2.4	2.4		7.2 2.4	2.8	
							25.8 25.7		7.9 7.8		14.0 25.2		84.8 84.4		6.4		6.2	2.4			3.2 2.1		
				17.0	Middle	8.5	25.7	25.7	7.8	7.8	25.3	25.3	81.8	83.1	5.8	5.9		2.5	2.5	2.5	2.8	2.5	2.6
					Bottom	16.0	25.6 25.6	25.6	7.8 7.7	7.8	25.6 25.4	25.5	84.4 81.6	83.0	6.0 5.8	5.9	5.9	2.5 2.6	2.6		2.8 2.3	2.6	<u> </u>

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at CS4 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampling	Tempe	rature (°C)	pl	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NTl	J)	Susper	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth (m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	15:06		Surface 1.	26.5 26.3	26.4	8.1 8.1	8.1	19.3 19.0	19.2	85.3 87.5	86.4	6.2 6.1	6.1	6.0	4.5 4.7	4.6		5.0 4.5	4.8	
				16.7	Middle 8.	4 25.7 25.7	25.7	8.0 8.0	8.0	28.0 27.8	27.9	86.3 80.0	83.2	6.0 5.6	5.8	0.0	4.6 4.5	4.6	4.6	4.8 4.6	4.7	4.7
					Bottom 15	.7 25.5 25.8	25.7	8.0 8.0	8.0	28.4 28.1	28.3	77.8 81.4	79.6	5.4 5.7	5.6	5.6	4.5 4.6	4.6		4.5 4.4	4.5	
25-Sep-15	Sunny	Moderate	17:10		Surface 1.	26.9 26.7	26.8	7.9 7.9	7.9	19.1 19.1	19.1	99.9 100.4	100.2	7.1 7.0	7.0	7.0	5.4 5.5	5.5		3.2 2.9	3.1	
				16.1	Middle 8.	1 26.3 26.6	26.5	7.8 7.9	7.8	22.0 20.2	21.1	98.5 97.2	97.9	7.0 7.0	7.0	7.0	5.6 5.5	5.6	5.6	3.6 2.2	2.9	2.9
					Bottom 15	.1 26.7 26.6	26.7	7.8 7.9	7.9	25.5 22.6	24.1	94.7 94.1	94.4	6.8 6.7	6.8	6.8	5.8 5.7	5.8		2.8 2.6	2.7	
28-Sep-15	Sunny	Moderate	07:24		Surface 1.	26.2 26.2	26.2	8.0 8.0	8.0	27.1 27.4	27.3	74.4 74.4	74.4	5.2 5.2	5.2	5.2	10.6 11.8	11.2		7.0 7.1	7.1	
				16.7	Middle 8.	4 26.1 26.1	26.1	8.0 8.0	8.0	27.6 27.6	27.6	74.4 74.3	74.4	5.2 5.2	5.2	5.2	13.1 13.3	13.2	12.5	6.9 6.9	6.9	7.4
					Bottom 15	.7 26.1 26.1	26.1	8.0 8.0	8.0	27.6 27.7	27.7	74.6 75.1	74.9	5.2 5.2	5.2	5.2	12.9 13.2	13.1		8.2 7.9	8.1	
30-Sep-15	Fine	Moderate	09:05		Surface 1.	26.5 26.4	26.5	7.8 7.8	7.8	20.5 19.8	20.2	76.8 77.3	77.1	5.5 5.6	5.6	5.6	16.3 16.4	16.4		18.3 19.6	19.0	
				15.9	Middle 8.	26.4 26.4	26.4	7.8 7.8	7.8	21.2 20.6	20.9	76.5 76.5	76.5	5.5 5.5	5.5	5.0	16.5 16.6	16.6	16.6	19.9 18.0	19.0	19.5
					Bottom 14	.9 26.4 26.3	26.4	7.8 7.8	7.8	21.5 20.7	21.1	76.0 76.1	76.1	5.5 5.5	5.5	5.5	16.9 16.8	16.9		20.7 20.3	20.5	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS6, CSA and CS(Mf)5 are considered as upstream contol stations of mid-flood tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Appendix J - Marine Water Quality Monitoring Results

Water Quality Monitoring Results at CS(Mf)5 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Sampl	ling	Tempera	ature (°C)	ŗ	Н	Salini	ty (ppt)	DO Satu	ıration (%)	Dissolv	red Oxygen	(mg/L)	Ti	urbidity(NT	U)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	15:21		Surface	1.0	26.8 26.7	26.7	8.1 8.1	8.1	29.3 29.5	29.4	75.9 78.3	77.1	5.1 5.3	5.2		7.5 7.5	7.5		8.0 8.9	8.5	
				12.5	Middle	6.3	26.5	26.5	8.1	8.1	31.0	31.0	77.7	76.9	5.2	5.2	5.2	7.7	7.6	7.5	9.8	9.4	9.2
					Bottom	11.5	26.4 26.5	26.5	8.1 8.1	8.1	31.1 31.1	31.1	76.0 74.4	75.7	5.1 5.0	5.1	5.1	7.5 7.7	7.5		9.0	9.6	1
4-Sep-15	Sunny	Moderate	16:57				26.4 27.8		8.1 8.0		31.2 26.7		76.9 79.1		5.2 5.7			7.2 5.1			9.7 6.9		
4-3ep-13	Sullily	iviouerate	10.57		Surface	1.0	27.6	27.7	8.0	8.0	27.3	27.0	79.2	79.2	5.7	5.7	5.5	5.3	5.2		6.0	6.5	
				13.1	Middle	6.6	26.1 26.0	26.1	8.0 8.0	8.0	32.6 32.6	32.6	73.7 75.1	74.4	5.3 5.4	5.3		5.5 5.7	5.6	5.4	5.6 6.4	6.0	5.9
					Bottom	12.1	26.2 26.0	26.1	8.0 8.0	8.0	32.7 32.6	32.7	77.9 79.2	78.6	5.6 5.7	5.6	5.6	5.4 5.3	5.4		5.6 4.9	5.3	1
7-Sep-15	Cloudy	Moderate	08:17		Surface	1.0	28.8 28.8	28.8	8.0 8.0	8.0	18.3 18.4	18.3	79.7 80.9	80.3	5.6 5.6	5.6		3.4 3.5	3.5		2.9 3.2	3.1	
				11.9	Middle	6.0	28.5 28.4	28.4	8.0	8.0	21.2	22.7	77.1 76.8	77.0	5.2 5.2	5.2	5.4	3.5 3.5	3.5	3.5	3.9	3.8	3.5
					Bottom	10.9	27.3	27.4	8.0 8.0	7.9	24.2 27.5	27.3	76.1	75.8	5.2	5.2	5.2	3.5	3.6		3.6	3.7	1
9-Sep-15	Sunny	Moderate	10:23				27.5 26.8		7.9 8.1		27.2 27.7		75.5 85.0		5.2 6.1			3.6 2.9			4.0 3.7		$igwdate{}$
3 GGP 10	Cullity	Woderate	10.20		Surface	1.0	26.7	26.7	8.1	8.1	28.5	28.1	86.1	85.6	6.2	6.2	5.7	2.7	2.8		2.8	3.3	
				13.5	Middle	6.8	25.4 25.4	25.4	8.1 8.0	8.0	34.7	34.7	71.8 70.5	71.2	5.2 5.1	5.1		5.5	5.7	4.6	2.0	2.2	2.9
					Bottom	12.5	25.3 25.5	25.4	8.1 8.0	8.0	35.2 34.9	35.1	79.6 77.3	78.5	5.7 5.5	5.6	5.6	5.5 5.3	5.4		3.4 2.7	3.1	
11-Sep-15	Fine	Moderate	11:52		Surface	1.0	27.5 27.5	27.5	8.2 8.2	8.2	26.4 26.4	26.4	93.9 91.5	92.7	6.4 6.2	6.3		5.1 4.9	5.0		4.3 5.5	4.9	
				11.8	Middle	5.9	26.3 26.3	26.3	8.1 8.1	8.1	32.5 32.9	32.7	77.4 76.5	77.0	5.2 5.1	5.1	5.7	5.2 5.5	5.4	5.3	5.2 4.7	5.0	5.1
					Bottom	10.8	26.1	26.1	8.1	8.1	34.5	34.3	71.6	71.7	4.8 4.8	4.8	4.8	5.4 5.3	5.4		4.8	5.5	1
14-Sep-15	Sunny	Moderate	13:45		Confess	4.0	26.1 26.8	26.8	8.1 7.8	7.8	34.2 31.5	24.2	71.8 94.7	94.8	6.3	0.0		6.7	6.0		6.1 5.4	<i></i>	\vdash
					Surface	1.0	26.9 26.8		7.8 7.8		31.0 31.6	31.3	94.9 92.0		6.4	6.3	6.3	6.8	6.8		4.7	5.1	
				12.8	Middle	6.4	26.8	26.8	7.8	7.8	31.3	31.4	91.9	92.0	6.2	6.2		6.9	6.9	7.0	4.9	4.5	4.8
					Bottom	11.8	26.9 26.8	26.9	7.9 7.8	7.8	31.2 31.4	31.3	89.2 88.6	88.9	6.0 5.9	6.0	6.0	7.3 7.2	7.3		5.0 4.7	4.9	
16-Sep-15	Fine	Moderate	14:46		Surface	1.0	27.3 27.5	27.4	8.2 8.2	8.2	33.8 32.8	33.3	84.7 78.9	81.8	5.5 5.2	5.4	5.0	7.1 7.0	7.1		7.3 6.6	7.0	
				12.3	Middle	6.2	27.2 27.2	27.2	8.2 8.2	8.2	34.6 34.9	34.7	78.1 80.3	79.2	5.1 5.3	5.2	5.3	7.2 7.1	7.2	7.2	7.1 7.2	7.2	7.3
					Bottom	11.3	27.2	27.2	8.2	8.2	35.5	35.5	77.1	78.4	5.0	5.1	5.1	7.2	7.2		7.8	7.7	1
18-Sep-15	Fine	Moderate	15:41		Surface	1.0	27.2 28.8	28.8	8.2 8.2	8.2	35.4 28.4	28.2	79.7 84.9	85.0	5.2 5.6	5.6		7.1 4.7	4.8		7.6 4.6	5.0	
				40.0			28.7 27.7		8.2 8.2	8.2	28.0 33.3		85.1 79.9		5.6 5.2		5.5	4.9 4.8		4.0	5.3 5.3		4.0
				12.6	Middle	6.3	27.5 27.5	27.6	8.2 8.2	-	33.2 35.8	33.3	82.5 79.7	81.2	5.3 5.2	5.3		4.8 4.8	4.8	4.8	4.9 4.5	5.1	4.9
04.0 45	D. C.	Madaga	05.40		Bottom	11.6	27.5	27.5	8.2	8.2	35.9	35.9	79.7	79.7	5.2	5.2	5.2	4.8	4.8		4.8	4.7	<u> </u>
21-Sep-15	Rainy	Moderate	05:16		Surface	1.0	28.5 28.5	28.5	8.2 8.2	8.2	19.3 19.1	19.2	85.0 86.3	85.7	5.9 6.0	6.0	5.7	3.7 3.8	3.8		2.4 2.2	2.3	
				13.6	Middle	6.8	28.4 28.3	28.4	8.1 8.1	8.1	26.5 26.3	26.4	82.1 78.9	80.5	5.5 5.3	5.4	٠	5.2 5.0	5.1	4.3	2.6 2.6	2.6	2.5
					Bottom	12.6	28.3 28.4	28.4	8.1 8.1	8.1	27.6 27.4	27.5	81.1 84.8	83.0	5.4 5.7	5.5	5.5	3.9	4.1		2.6 2.7	2.7	ĺ
		<u> </u>	1	1	<u> </u>		20.4	·	0.1	1	21.4	<u> </u>	04.0	1	0.7	1		4.2	<u> </u>	l	2.1	1	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at CS(Mf)5 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Sampli	ng	Tempera	ature (°C)	ŗ	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissolv	ed Oxygen	(mg/L)	Т	urbidity(NTl	J)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth ((m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	08:32		Surface	1.0	28.4 28.4	28.4	8.2 8.2	8.2	25.2 25.6	25.4	83.7 81.9	82.8	5.7 5.5	5.6	5.4	2.6 2.4	2.5		3.9 3.8	3.9	
				13.8	Middle	6.9	28.2 28.2	28.2	8.1 8.1	8.1	31.2 31.0	31.1	76.8 81.1	79.0	5.0 5.2	5.1	5.4	3.2 3.4	3.3	3.0	4.8 3.5	4.2	4.3
					Bottom	12.8	28.2 28.3	28.2	8.1 8.1	8.1	32.0 34.0	33.0	75.5 74.5	75.0	4.9 4.9	4.9	4.9	3.3 3.1	3.2		4.6 5.2	4.9	
25-Sep-15	Sunny	Moderate	10:21		Surface	1.0	29.2 29.1	29.1	8.3 8.2	8.2	22.6 23.2	22.9	90.7 91.8	91.3	6.1 6.2	6.2	6.0	5.3 5.5	5.4		6.8 6.8	6.8	
				12.1	Middle	6.1	29.0 28.8	28.9	8.2 8.2	8.2	26.0 28.3	27.1	87.2 83.6	85.4	5.8 5.5	5.7	0.0	5.5 5.4	5.5	5.5	5.9 6.7	6.3	6.3
					Bottom	11.1	28.7 28.8	28.8	8.2 8.1	8.1	32.2 30.3	31.2	86.0 89.1	87.6	5.6 5.8	5.7	5.7	5.6 5.5	5.6		5.9 5.4	5.7	
28-Sep-15	Sunny	Moderate	12:51		Surface	1.0	29.1 29.1	29.1	8.2 8.2	8.2	30.8 30.8	30.8	82.0 83.4	82.7	5.7 5.8	5.7	5.6	7.5 7.5	7.5		2.8 2.7	2.8	
				12.1	Middle	6.1	28.8 28.7	28.7	8.2 8.2	8.2	33.9 33.3	33.6	80.2 79.3	79.8	5.5 5.5	5.5	5.0	7.7 7.4	7.6	7.6	3.7 4.3	4.0	3.6
					Bottom	11.1	28.7 28.6	28.7	8.2 8.2	8.2	34.9 35.0	35.0	81.8 83.9	82.9	5.6 5.7	5.6	5.6	7.4 7.7	7.6		5.0 2.9	4.0	
30-Sep-15	Fine	Moderate	14:20		Surface	1.0	29.1 29.1	29.1	8.2 8.2	8.2	30.6 30.3	30.5	77.9 80.1	79.0	5.2 5.3	5.2	5.1	10.5 10.9	10.7		7.5 7.5	7.5	
				12.3	Middle	6.2	28.7 28.8	28.8	8.2 8.2	8.2	32.7 32.5	32.6	76.1 76.7	76.4	5.0 5.1	5.0	J. I	10.6 10.3	10.5	10.6	7.7 8.3	8.0	7.6
					Bottom	11.3	28.7 28.7	28.7	8.2 8.2	8.2	34.4 34.2	34.3	76.0 75.2	75.6	5.0 5.0	5.0	5.0	10.5 10.5	10.5		7.6 7.0	7.3	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS4 and CS(Mf)3 are considered as upstream contol stations of mid-ebb tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at CS(Mf)5 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Samp	ling	Tempera	ature (°C)	p	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissolv	ed Oxygen	(mg/L)	Т	urbidity(NT	J)	Suspe	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	08:43		Surface	1.0	26.7 26.8	26.8	8.0 8.0	8.0	28.6 28.7	28.6	75.9 81.6	78.8	5.1 5.5	5.3	5.0	8.2 8.6	8.4		4.9 4.6	4.8	
				12.6	Middle	6.3	26.3 26.2	26.2	8.0 8.0	8.0	31.0 31.7	31.3	77.7 75.5	76.6	5.3 5.1	5.2	5.3	8.6 8.4	8.5	8.5	7.6 7.0	7.3	6.5
					Bottom	11.6	26.1 26.4	26.3	8.0 8.0	8.0	32.1 31.8	32.0	77.2 74.9	76.1	5.2 5.0	5.1	5.1	8.5 8.5	8.5		7.6 7.1	7.4	
4-Sep-15	Sunny	Moderate	10:51		0 /		26.9		8.0		27.7		74.6		5.4			5.3			6.1		
	,				Surface	1.0	26.8 26.0	26.8	8.0	8.0	28.0 31.5	27.9	74.6 72.7	74.6	5.4 5.3	5.4	5.3	5.7 6.2	5.5		6.4 5.7	6.3	
				13.2	Middle	6.6	26.1 26.0	26.1	8.0	8.0	31.3 31.8	31.4	71.6 75.2	72.2	5.2 5.4	5.2		6.3	6.3	6.0	5.3	5.5	5.7
					Bottom	12.2	26.1	26.0	8.0	8.0	31.6	31.7	72.4	73.8	5.2	5.3	5.3	6.0	6.3		5.6	5.2	
7-Sep-15	Sunny	Moderate	16:21		Surface	1.0	29.3 29.2	29.3	8.2 8.2	8.2	16.6 16.8	16.7	80.7 81.9	81.3	5.6 5.7	5.7	5.5	4.4 4.7	4.6		1.5 1.6	1.6	
				12.5	Middle	6.3	26.3 26.3	26.3	8.0 8.0	8.0	32.1 32.0	32.1	76.1 77.5	76.8	5.2 5.2	5.2	5.5	4.5 4.5	4.5	4.6	1.8 2.2	2.0	1.8
					Bottom	11.5	25.3 25.2	25.2	8.0 8.1	8.0	35.1 35.2	35.1	72.8 72.3	72.6	5.1 5.0	5.0	5.0	4.6 4.6	4.6		2.0 1.8	1.9	
9-Sep-15	Sunny	Moderate	17:53		Surface	1.0	26.7	26.9	8.0	8.0	29.5	28.6	82.5	85.5	5.6	5.8		3.0	2.9		6.1	6.3	
				13.6	Middle	6.8	27.1 25.6	25.6	8.0	7.9	27.8 32.5	32.7	88.5 75.5	76.2	6.0 5.1	5.2	5.5	2.8 4.6	4.5	4.1	6.4 3.1	3.8	5.0
				10.0	Bottom	12.6	25.6 25.7	25.6	7.9 7.8	7.9	32.8 32.7	32.6	76.9 74.4	74.0	5.3 5.1	5.0	5.0	4.3 4.6	4.8		4.4	4.8	0.0
14 Con 45	Fin a	Madazata	40.40		Бошот	12.0	25.5	25.6	8.0	7.9	32.6	32.0	73.6	74.0	5.0	5.0	5.0	5.0	4.0		4.8	4.0	
11-Sep-15	Fine	Moderate	18:40		Surface	1.0	27.6 27.6	27.6	8.3 8.3	8.3	27.5 27.5	27.5	96.3 94.5	95.4	6.5 6.4	6.5	5.9	4.5 4.4	4.5		7.5 6.7	7.1	
				12.7	Middle	6.4	26.9 26.7	26.8	8.2 8.2	8.2	30.3 30.5	30.4	83.1 76.5	79.8	5.5 5.1	5.3		4.9 4.8	4.9	4.7	6.8 7.2	7.0	6.5
					Bottom	11.7	26.4 26.3	26.3	8.2 8.1	8.2	33.6 33.7	33.6	81.3 74.7	78.0	5.5 5.1	5.3	5.3	4.8 4.8	4.8		5.5 5.3	5.4	
14-Sep-15	Sunny	Moderate	06:54		Surface	1.0	26.6 26.5	26.6	7.8 7.8	7.8	31.3 32.3	31.8	89.9 89.5	89.7	6.0 6.0	6.0		7.6 7.5	7.6		2.8 3.0	2.9	
				13.0	Middle	6.5	26.5	26.5	7.8 7.8	7.8	34.5	34.5	86.5 87.1	86.8	5.8	5.8	5.9	7.8	7.8	7.8	3.5 4.3	3.9	3.6
					Bottom	12.0	26.5 26.5	26.5	7.8	7.8	34.5 34.5	34.5	83.2	83.8	5.8 5.6	5.6	5.6	7.7 8.0	8.0		4.0	4.0	
16-Sep-15	Fine	Moderate	08:11		Surface	1.0	26.5 27.3	27.3	7.8 8.2	8.2	34.5 32.1	32.1	84.4 80.8	83.3	5.7 5.4	5.5		8.0 6.6	6.8		4.0	4.4	
				44.0			27.3 27.2		8.2 8.2		32.1 34.3		85.7 81.9		5.6 5.4		5.4	6.9 6.9		0.0	4.7 4.7		4.0
				11.8	Middle	5.9	27.1 27.1	27.1	8.2	8.2	34.5 34.5	34.4	79.9 79.4	80.9	5.2	5.3		6.8	6.9	6.9	5.1	4.9	4.3
10.0			22.12		Bottom	10.8	27.1	27.1	8.1	8.2	34.6	34.6	78.6	79.0	5.2	5.2	5.2	6.8	6.9		3.5	3.7	
18-Sep-15	Fine	Moderate	09:19		Surface	1.0	27.6 27.6	27.6	8.2 8.2	8.2	29.6 29.6	29.6	80.8 80.1	80.5	5.4 5.4	5.4	5.3	8.5 8.6	8.6		4.0 3.6	3.8	
				12.2	Middle	6.1	27.5 27.5	27.5	8.2 8.2	8.2	30.8 32.0	31.4	78.5 79.7	79.1	5.2 5.2	5.2	0.0	8.5 8.4	8.5	8.6	3.6 2.6	3.1	3.5
					Bottom	11.2	27.5 27.5	27.5	8.1 8.1	8.1	33.7 33.7	33.7	79.7 78.4	79.1	5.2 5.2	5.2	5.2	8.5 8.6	8.6		2.8 4.6	3.7	
21-Sep-15	Cloudy	Moderate	13:45		Surface	1.0	28.5	28.5	8.2	8.2	21.8	21.3	84.0	84.3	5.8	5.8		2.8	2.9		2.1	2.4	
				13.4	Middle	6.7	28.5 28.0	28.0	8.2 8.2	8.2	20.8 34.3	34.2	84.5 80.9	79.3	5.8 5.2	5.1	5.5	3.0 4.3	4.2	3.6	2.6	2.4	2.5
					Bottom	12.4	28.0 28.0	28.0	8.2 8.1	8.1	34.1 34.4	34.4	77.6 88.2	85.2	5.0 5.7	5.5	5.5	4.1 3.8	3.7	0	2.3	2.6	
					DOLLOITI	12.4	28.1	20.0	8.1	0.1	34.4	J4.4	82.1	03.2	5.3	ა.ა	0.0	3.6	3.1		2.5	2.0	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at CS(Mf)5 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Samplin	ng	Tempera	ature (°C)	ŗ	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NTl	J)	Suspe	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth (n	n)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	16:19		Surface	1.0	29.4 29.5	29.5	8.3 8.3	8.3	23.9 23.5	23.7	93.8 93.0	93.4	6.3 6.2	6.3	5.7	3.1 3.2	3.2		4.0 3.5	3.8	
				13.9	Middle	7.0	28.1 28.1	28.1	8.2 8.2	8.2	35.1 35.1	35.1	79.8 77.9	78.9	5.1 5.0	5.1	5.7	4.6 4.7	4.7	4.0	3.1 4.2	3.7	3.7
					Bottom	12.9	28.4 28.2	28.3	8.2 8.2	8.2	35.0 35.2	35.1	88.3 93.2	90.8	5.7 6.0	5.8	5.8	3.9 4.1	4.0		4.0 3.2	3.6	
25-Sep-15	Sunny	Moderate	17:38		Surface	1.0	29.2 29.2	29.2	8.3 8.3	8.3	25.5 25.6	25.6	83.4 85.9	84.7	5.6 5.7	5.6	5.4	4.8 4.7	4.8		4.3 5.1	4.7	
				12.6	Middle	6.3	28.4 28.4	28.4	8.2 8.2	8.2	34.4 34.4	34.4	80.2 81.2	80.7	5.1 5.2	5.2	5.4	5.5 5.5	5.5	5.2	5.4 4.6	5.0	5.0
					Bottom	11.6	28.6 28.4	28.5	8.2 8.2	8.2	34.6 34.7	34.7	76.7 76.1	76.4	4.9 4.9	4.9	4.9	5.5 5.3	5.4		4.9 5.4	5.2	
28-Sep-15	Sunny	Moderate	06:11		Surface	1.0	28.7 28.7	28.7	8.2 8.2	8.2	31.5 32.1	31.8	82.1 81.5	81.8	5.7 5.6	5.7	5.6	6.5 6.4	6.5		3.9 3.4	3.7	
				12.3	Middle	6.2	28.6 28.6	28.6	8.2 8.2	8.2	34.3 34.0	34.2	79.0 78.8	78.9	5.4 5.4	5.4	3.0	6.6 6.5	6.6	6.6	3.0 3.6	3.3	3.7
					Bottom	11.3	28.6 28.6	28.6	8.2 8.2	8.2	34.4 34.2	34.3	79.9 78.2	79.1	5.5 5.4	5.4	5.4	6.6 6.6	6.6		4.7 3.7	4.2	
30-Sep-15	Fine	Moderate	07:30		Surface	1.0	28.8 28.8	28.8	8.2 8.2	8.2	30.1 30.9	30.5	80.0 79.3	79.7	5.3 5.3	5.3	5.3	15.6 15.6	15.6		7.4 8.1	7.8	
				12.1	Middle	6.1	28.7 28.7	28.7	8.2 8.2	8.2	32.4 32.4	32.4	78.0 79.1	78.6	5.1 5.2	5.2	5.5	15.4 15.4	15.4	15.5	7.6 7.9	7.8	7.8
					Bottom	11.1	28.7 28.7	28.7	8.2 8.2	8.2	32.7 32.7	32.7	77.4 77.9	77.7	5.1 5.2	5.1	5.1	15.5 15.6	15.6		7.2 8.1	7.7	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS6, CSA and CS(Mf)5 are considered as upstream contol stations of mid-flood tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Appendix J - Marine Water Quality Monitoring Results

Water Quality Monitoring Results at CS6 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Sampl	ing	Tempera	ature (°C)	F	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissolv	ed Oxygen	(mg/L)	Т	urbidity(NTl	J)	Suspe	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	16:34		Surface	1.0	24.5 24.6	24.6	7.9 7.9	7.9	24.6 24.6	24.6	79.1 79.6	79.4	5.7 5.8	5.7		4.7 4.4	4.6		5.3 5.9	5.6	-
				9.7	Middle	4.9	23.9 23.9	23.9	7.9 7.9	7.9	27.4 27.6	27.5	76.7 77.4	77.1	5.5 5.6	5.6	5.7	2.5 2.8	2.7	4.0	5.7 6.1	5.9	6.8
					Bottom	8.7	24.1	24.0	7.9 7.9	7.9	27.5 27.7	27.6	79.6 81.6	80.6	5.7 5.9	5.8	5.8	4.5 4.7	4.6		8.1 9.7	8.9	
4-Sep-15	Sunny	Moderate	16:57		Surface	1.0	25.4	25.4	7.8	7.8	21.3	21.5	82.2	85.8	6.0	6.2		2.0	2.0		3.5	3.7	
				10.1	Middle	5.1	25.3 25.1	25.1	7.8 7.9	7.8	21.7	22.1	89.3 85.5	83.5	6.5	6.1	6.2	2.0	2.1	2.1	7.7	7.0	6.7
					Bottom	9.1	25.1 25.0	25.0	7.8 7.9	7.8	22.0 23.2	23.2	81.5 84.3	82.8	5.9 6.1	6.0	6.0	2.0	2.1		6.2 8.5	9.3	
7-Sep-15	Cloudy	Moderate	07:59		Surface	1.0	25.0 26.4	26.4	7.8 7.8	7.8	23.1 15.6	15.6	81.3 87.9	87.0	5.9 6.5	6.4		3.0	2.9		10.0 4.9	4.5	
				10.3	Middle	5.2	26.4 25.9	25.9	7.8 7.7	7.7	15.6 20.4	20.3	86.1 80.1	80.1	6.4 5.8	5.8	6.1	2.7	2.2	2.4	4.1 3.9	4.3	3.8
				10.3			26.0 25.9	25.9	7.7 7.7	7.7	20.2	20.6	80.1 81.2	81.1	5.8 5.9	5.9	5.9	2.3	2.1	2.4	4.6 2.8	2.6	3.0
9-Sep-15	Sunny	Moderate	09:51		Bottom	9.3	25.9 24.5		7.7 8.0		20.5 26.6		80.9 77.8		5.9 5.6		5.9	2.0 1.6	<u> </u> 		2.3 3.4		
	,			40.7	Surface	1.0	24.4	24.5	8.0 8.0	8.0	26.6 28.6	26.6	77.3 73.3	77.6	5.5 5.2	5.6	5.4	1.6	1.6		2.7	3.1	
				10.7	Middle	5.4	23.2 22.7	23.5	8.0 8.0	8.0	29.8 33.1	29.2	73.2 70.9	73.3	5.2 5.1	5.2		1.6 1.6	1.6	1.6	3.4 3.4	2.8	3.1
11-Sep-15	Fine	Moderate	11:18		Bottom	9.7	22.7	22.7	8.0 8.1	8.0	33.1 25.7	33.1	70.5 104.6	70.7	5.0 7.5	5.1	5.1	1.7	1.7		3.1 5.3	3.3	<u></u>
11-бер-15	Tille	Woderate	11.10		Surface	1.0	24.7	24.7	8.0	8.1	25.8 28.0	25.8	96.2 91.5	100.4	6.9 6.6	7.2	6.8	1.8	1.9		4.4 5.0	4.9	
				9.8	Middle	4.9	24.1	24.1	8.0	8.0	28.0	28.0	87.8	89.7	6.3	6.4		2.0	2.0	2.0	3.8	4.4	4.7
					Bottom	8.8	24.0 24.1	24.0	8.0 8.0	8.0	28.2 28.1	28.2	92.7 98.5	95.6	6.6 7.1	6.8	6.8	1.9 2.0	2.0		4.6 5.1	4.9	
14-Sep-15	Sunny	Moderate	14:31		Surface	1.0	24.5 25.0	24.8	8.0 8.0	8.0	25.5 21.9	23.7	88.0 85.3	86.7	6.2 6.2	6.2	6.2	1.9 1.8	1.9		3.0 3.6	3.3	
				10.1	Middle	5.1	24.2 24.1	24.1	8.0 8.0	8.0	24.1 28.9	26.5	85.0 83.7	84.4	6.1 6.0	6.1		2.0 1.9	2.0	2.0	3.5 4.0	3.8	3.4
					Bottom	9.1	24.3 24.1	24.2	8.0 8.0	8.0	27.3 31.9	29.6	82.1 83.6	82.9	6.0 6.0	6.0	6.0	2.0 2.1	2.1		2.8 3.1	3.0	
16-Sep-15	Fine	Moderate	15:19		Surface	1.0	25.2 25.2	25.2	8.0 8.0	8.0	16.6 17.0	16.8	85.1 86.5	85.8	6.4 6.5	6.4	6.3	2.6 2.6	2.6		3.1 3.6	3.4	
				10.1	Middle	5.1	24.6 24.6	24.6	8.1 8.0	8.0	19.7 19.0	19.4	83.8 81.8	82.8	6.2 6.1	6.2	0.3	2.4 2.5	2.5	2.5	3.1 3.7	3.4	3.6
					Bottom	9.1	24.6 24.7	24.7	8.1 8.0	8.0	21.0 19.2	20.1	85.3 83.0	84.2	6.3 6.2	6.2	6.2	2.4 2.5	2.5		3.7 4.5	4.1	
18-Sep-15	Fine	Moderate	16:04		Surface	1.0	25.6 25.3	25.5	7.9 7.9	7.9	17.3 20.5	18.9	86.8 86.3	86.6	6.3 6.3	6.3		2.3 2.2	2.3		3.8 4.7	4.3	
				9.6	Middle	4.8	25.1 25.2	25.2	7.9 7.9	7.9	22.8 20.3	21.6	85.9 85.3	85.6	6.3 6.3	6.3	6.3	2.4	2.5	2.5	5.9 5.1	5.5	5.0
					Bottom	8.6	25.0 25.0	25.0	7.9 7.9	7.9	23.8	25.5	84.3 83.6	84.0	6.1 6.1	6.1	6.1	2.6 2.6	2.6		5.3 5.2	5.3	
21-Sep-15	Rainy	Moderate	04:54		Surface	1.0	25.6 25.6	25.6	8.0 8.0	8.0	18.6 18.8	18.7	82.4 81.1	81.8	6.1 6.0	6.0		2.1	2.2		2.4 2.5	2.5	
				10.4	Middle	5.2	25.6	25.6	7.9	7.9	25.9	25.8	81.1	80.8	5.6	5.6	5.8	2.4	2.4	2.3	2.9	2.8	2.6
					Bottom	9.4	25.6 25.6	25.6	7.9	7.9	25.6 28.6	28.6	79.0	79.5	5.6 5.6	5.6	5.6	2.3	2.4		3.0	2.6	
					Dottom	0.4	25.6	20.0	7.9	7.5	28.6	20.0	79.9	7 0.0	5.5	0.0	0.0	2.4	2.7		2.2	2.0	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at CS6 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Sampling	g	Tempera	ature (°C)	F	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NTI	J)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth (m	n)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	07:26		Surface	1.0	25.7 25.7	25.7	8.0 8.0	8.0	21.2 21.6	21.4	80.9 81.3	81.1	5.8 5.9	5.8	5.7	2.4 2.4	2.4		2.4 4.1	3.3	
				10.5	Middle	5.3	25.5 25.5	25.5	7.9 7.9	7.9	27.7 26.9	27.3	79.9 80.0	80.0	5.6 5.6	5.6	5.7	2.5 2.6	2.6	2.5	2.2 2.2	2.2	3.3
					Bottom	9.5	25.5 25.5	25.5	7.9 7.9	7.9	30.2 29.2	29.7	79.3 77.8	78.6	5.6 5.5	5.5	5.5	2.5 2.6	2.6		3.7 4.9	4.3	
25-Sep-15	Sunny	Moderate	09:09		Surface	1.0	26.3 26.3	26.3	7.9 7.9	7.9	17.6 19.2	18.4	87.5 86.0	86.8	6.0 6.3	6.2	6.1	1.7 1.7	1.7		3.8 4.4	4.1	
				10.2	Middle	5.1	26.1 26.1	26.1	7.8 7.8	7.8	23.5 21.9	22.7	85.8 84.1	85.0	6.2 5.8	6.0	0.1	1.8 1.9	1.9	1.9	3.2 3.8	3.5	3.6
					Bottom	9.2	26.0 26.0	26.0	7.8 7.8	7.8	27.7 29.5	28.6	83.3 84.1	83.7	6.0 6.0	6.0	6.0	2.0 2.1	2.1		3.4 3.2	3.3	
28-Sep-15	Sunny	Moderate	13:45		Surface	1.0	26.4 26.3	26.3	8.0 8.0	8.0	22.3 22.2	22.2	78.1 79.7	78.9	5.6 5.7	5.6	5.6	5.4 5.5	5.5		5.2 5.2	5.2	
				9.8	Middle	4.9	26.1 26.0	26.1	8.1 8.0	8.0	23.5 23.9	23.7	80.0 77.2	78.6	5.7 5.5	5.6	3.0	5.6 5.5	5.6	5.6	4.9 4.2	4.6	4.6
					Bottom	8.8	26.1 26.0	26.1	8.0 8.1	8.0	24.1 23.8	24.0	79.4 81.6	80.5	5.6 5.8	5.7	5.7	5.7 5.6	5.7		3.4 4.8	4.1	
30-Sep-15	Fine	Moderate	15:50		Surface	1.0	26.6 26.7	26.6	8.0 7.9	7.9	22.8 19.2	21.0	85.7 85.3	85.5	6.0 6.0	6.0	6.0	5.9 5.9	5.9		5.3 5.7	5.5	
				9.7	Middle	4.9	26.4 26.3	26.3	7.9 8.0	8.0	25.5 26.0	25.7	84.1 84.9	84.5	5.9 5.9	5.9	0.0	6.1 6.0	6.1	6.0	8.6 9.0	8.8	7.6
					Bottom	8.7	26.2 26.5	26.3	7.9 7.9	7.9	28.5 28.4	28.4	82.8 82.2	82.5	6.0 5.9	5.9	5.9	6.1 6.1	6.1		9.1 8.0	8.6	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS4 and CS(Mf)3 are considered as upstream contol stations of mid-ebb tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Appendix J - Marine Water Quality Monitoring Results

Water Quality Monitoring Results at CS6 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampl	ing	Tempera	ature (°C)	ŗ	Н	Salini	y (ppt)	DO Satu	ıration (%)	Dissolv	red Oxygen	(mg/L)	Ti	urbidity(NT	U)	Suspe	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	08:16		Surface	1.0	24.5 24.5	24.5	7.8 7.8	7.8	27.3 27.3	27.3	76.1 75.7	75.9	5.4 5.4	5.4		3.9 4.0	4.0		7.2 7.4	7.3	
				9.8	Middle	4.9	24.5	24.5	7.8	7.8	27.5	27.5	75.7	75.8	5.4	5.4	5.4	4.3	4.3	4.2	6.7	6.8	7.5
					Bottom	8.8	24.5 24.5	24.5	7.8 7.8	7.8	27.4 27.4	27.5	75.8 76.6	76.6	5.4 5.5	5.5	5.5	4.3	4.2		6.9 8.0	8.5	
4 Can 45	C	Madazata	40.44		20110111	0.0	24.5 25.0	2 1.0	7.8 7.8	7.0	27.5 25.5	27.0	76.5 79.7	1 0.0	5.5 5.7	0.0	0.0	4.1 1.7		<u> </u>	9.0	0.0	
4-Sep-15	Sunny	Moderate	10:41		Surface	1.0	25.0	25.0	7.8	7.8	25.4	25.4	80.6	80.2	5.8	5.7	5.7	1.7	1.7		4.1	4.4	<u> </u>
				10.0	Middle	5.0	25.0 25.0	25.0	7.8 7.8	7.8	25.5 25.5	25.5	80.2 79.5	79.9	5.7 5.7	5.7		1.7 1.9	1.8	1.8	4.3 5.2	4.8	5.0
					Bottom	9.0	25.0 25.0	25.0	7.8 7.8	7.8	25.5 25.5	25.5	80.1 79.5	79.8	5.7 5.7	5.7	5.7	1.7 1.9	1.8		5.2 6.2	5.7	
7-Sep-15	Sunny	Moderate	17:02		Surface	1.0	26.7 26.7	26.7	8.0 8.0	8.0	9.4 8.5	9.0	81.9 87.9	84.9	6.2 6.7	6.5		3.4 3.4	3.4		4.5 3.5	4.0	
				10.6	Middle	5.3	24.7	24.5	7.8	7.9	17.4	18.3	72.2	73.6	5.4	5.5	6.0	3.4	3.4	3.4	4.1	4.6	4.4
					Bottom	9.6	24.3	24.0	7.9 7.8	7.9	19.2 19.6	21.2	74.9 77.0	78.1	5.6 5.8	5.8	5.8	3.3	3.3		5.1 3.8	4.7	
9-Sep-15	Sunny	Moderate	18:32				23.9 24.6		7.9 8.0		22.8 16.4		79.1 91.5		5.9 6.8		0.0	3.2 2.2			5.5 4.8		
9-0ер-13	Guilly	Woderate	10.32		Surface	1.0	24.7	24.6	8.0	8.0	16.3	16.4	93.8	92.7	7.1	7.0	6.4	2.2	2.2		4.6	4.7	
				10.6	Middle	5.3	23.7 23.6	23.7	8.0 8.0	8.0	20.7 19.6	20.2	80.0 74.5	77.3	5.8 5.6	5.7		2.1	2.2	2.2	3.2 3.0	3.1	4.3
					Bottom	9.6	23.2 23.3	23.3	8.0 8.0	8.0	21.6 22.2	21.9	70.9 73.5	72.2	5.4 5.4	5.4	5.4	2.2 2.1	2.2		4.6 5.6	5.1	
11-Sep-15	Fine	Moderate	19:32		Surface	1.0	25.2 25.1	25.1	8.2 8.1	8.2	14.5 15.2	14.8	111.3 103.2	107.3	8.5 7.8	8.1	7.0	3.5 3.6	3.6		4.8 4.8	4.8	
				10.2	Middle	5.1	24.8 24.7	24.8	8.1 8.1	8.1	15.8 17.6	16.7	102.5 96.3	99.4	7.8 7.2	7.5	7.8	3.5 3.6	3.6	3.6	5.4 4.9	5.2	4.4
					Bottom	9.2	24.7	24.7	8.1	8.1	19.3	17.8	97.5	101.4	7.3	7.6	7.6	3.7 3.5	3.6		3.0	3.2	
14-Sep-15	Sunny	Moderate	06:27		Curtons	4.0	24.8	24.0	8.1 8.0	8.0	16.2 30.6	20.5	105.3 78.6	70.7	8.0 5.6	F.C.		4.0	4.4		6.2	0.0	
	,				Surface	1.0	24.0 24.0		7.9 7.9		30.4 30.9	30.5	78.8 78.8	78.7	5.6 5.6	5.6	5.6	4.1 4.1	4.1		6.2 6.4	6.2	!
				10.3	Middle	5.2	24.0	24.0	8.0	8.0	30.9	30.9	78.2	78.5	5.5	5.5		4.1	4.1	4.1	6.8	6.6	6.3
					Bottom	9.3	23.9 24.0	24.0	7.9 7.9	7.9	31.6 31.3	31.5	78.6 79.5	79.1	5.5 5.6	5.6	5.6	4.2 4.1	4.2		5.5 6.4	6.0	
16-Sep-15	Fine	Moderate	07:47		Surface	1.0	24.7 24.7	24.7	7.9 7.9	7.9	28.1 28.1	28.1	83.7 83.1	83.4	5.9 5.9	5.9	<i>-</i> 0	3.5 3.6	3.6		8.3 7.3	7.8	
				10.2	Middle	5.1	24.7 24.7	24.7	7.9 7.9	7.9	28.2 28.2	28.2	83.7 83.3	83.5	5.9 5.9	5.9	5.9	3.7 3.5	3.6	3.6	6.7 7.5	7.1	6.9
					Bottom	9.2	24.7	24.7	7.9 7.9	7.9	28.2 28.2	28.2	83.5 83.9	83.7	5.9 5.9	5.9	5.9	3.5 3.4	3.5		5.9 5.5	5.7	
18-Sep-15	Fine	Moderate	09:01		Surface	1.0	24.9	24.9	7.8	7.8	27.7	27.4	84.6	84.4	5.9	5.9		3.6	3.6		4.4	4.7	
				9.7	Middle	4.9	24.9 24.9	24.9	7.8 7.8	7.8	27.2 28.6	28.4	84.2 82.6	82.5	5.9 5.9	5.8	5.9	3.6	3.8	3.8	5.0 4.7	4.3	4.6
				9.7			24.9 24.9		7.8 7.8		28.2 28.8		82.4 81.8		5.8 5.8			3.7 3.9		3.0	3.9 5.5		4.6
24 Cop 45	Cloudy	Moderate	14.15		Bottom	8.7	24.9	24.9	7.8	7.8	29.1	29.0	81.3	81.6	5.7	5.7	5.7	3.9	3.9	<u> </u>	4.3	4.9	
21-Sep-15	Cloudy	Moderate	14:15		Surface	1.0	25.7 25.8	25.8	8.0 8.0	8.0	18.0 15.1	16.6	83.7 85.0	84.4	6.0 6.4	6.2	6.0	2.1	2.1		1.6	1.7	
				10.7	Middle	5.4	25.5 25.4	25.4	7.9 7.9	7.9	23.2 26.4	24.8	81.2 81.3	81.3	5.8 5.9	5.8		2.2 2.2	2.2	2.2	3.1 2.1	2.6	2.2
					Bottom	9.7	25.4 25.4	25.4	7.9 7.9	7.9	24.8 28.1	26.5	78.3 80.5	79.4	5.6 5.7	5.7	5.7	2.2	2.2		2.1	2.2	i
							20.7		1.0		20.1		00.0		5.1								

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at CS6 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampling	Tempe	rature (°C)	р	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NTl	J)	Susper	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth (m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	16:51		Surface 1	.0 26.4 26.5	26.4	8.1 8.1	8.1	16.1 15.0	15.6	90.8 92.2	91.5	6.7 6.8	6.8	6.5	2.1 2.1	2.1		3.4 3.8	3.6	
				10.7	Middle 5	.4 25.9 25.9	25.9	8.1 8.1	8.1	18.5 18.5	18.5	87.3 83.5	85.4	6.3 6.1	6.2	0.5	2.2 2.1	2.2	2.2	3.5 2.2	2.9	3.4
					Bottom 9	.7 25.5 25.6	25.5	8.1 8.0	8.0	26.2 23.7	24.9	81.5 85.8	83.7	5.8 6.3	6.0	6.0	2.2 2.2	2.2		3.8 3.6	3.7	
25-Sep-15	Sunny	Moderate	18:45		Surface 1	.0 26.7 26.5	26.6	7.9 7.9	7.9	21.5 22.8	22.2	103.2 102.2	102.7	7.3 7.2	7.3	7.3	2.4 2.3	2.4		1.6 1.5	1.6	
				10.3	Middle 5	.2 26.7 26.8	26.8	7.9 7.9	7.9	23.2 25.7	24.5	102.2 104.1	103.2	7.2 7.3	7.2	7.5	2.5 2.5	2.5	2.5	1.4 1.2	1.3	1.6
					Bottom 9	.3 26.7 26.9	26.8	7.9 7.9	7.9	23.7 20.6	22.1	101.4 101.3	101.4	7.2 7.1	7.2	7.2	2.6 2.6	2.6		1.8 1.7	1.8	
28-Sep-15	Sunny	Moderate	05:48		Surface 1	.0 25.8 25.8	25.8	8.0 8.0	8.0	30.8 30.8	30.8	74.3 74.5	74.4	5.2 5.2	5.2	5.2	2.9 3.1	3.0		7.0 6.5	6.8	
				10.0	Middle 5	.0 25.8 25.8	25.8	8.0 8.0	8.0	30.8 31.0	30.9	74.6 74.2	74.4	5.2 5.2	5.2	5.2	2.9 3.1	3.0	3.1	6.9 6.6	6.8	7.0
					Bottom 9	.0 25.8 25.8	25.8	8.0 8.0	8.0	31.1 30.7	30.9	74.1 75.0	74.6	5.2 5.2	5.2	5.2	3.3 3.5	3.4		7.2 7.8	7.5	
30-Sep-15	Fine	Moderate	07:32		Surface 1	.0 26.0 26.0	26.0	7.9 7.9	7.9	27.9 28.3	28.1	77.8 77.9	77.9	5.4 5.4	5.4	5.4	5.3 5.1	5.2		7.2 7.9	7.6	
				9.7	Middle 4	25.9	26.0	7.8 7.8	7.8	28.5 28.8	28.7	77.1 77.2	77.2	5.3 5.3	5.3	5.4	5.6 5.5	5.6	5.5	6.9 7.7	7.3	7.6
					Bottom 8	.7 25.9 26.0	25.9	7.8 7.8	7.8	29.0 28.7	28.8	77.0 76.9	77.0	5.3 5.3	5.3	5.3	5.8 5.8	5.8		8.0 7.5	7.8	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS6, CSA and CS(Mf)5 are considered as upstream contol stations of mid-flood tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Appendix J - Marine Water Quality Monitoring Results

Water Quality Monitoring Results at CSA - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Sampl	ling	Tempera	ature (°C)	ŗ	Н	Salini	ty (ppt)	DO Satu	ıration (%)	Dissolv	red Oxygen	(mg/L)	Ti	urbidity(NT	U)	Suspe	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	16:45		Surface	1.0	24.5 24.5	24.5	7.9 7.9	7.9	24.6 24.6	24.6	78.2 77.4	77.8	5.7 5.6	5.7		4.1 4.1	4.1		8.6 8.0	8.3	1
				34.6	Middle	17.3	23.9	23.9	7.9	7.9	27.4	27.4	76.1	76.5	5.5	5.5	5.6	3.8	3.8	4.3	9.4	8.9	8.4
					Bottom	33.6	23.8	23.9	7.9 7.9	7.9	27.4 27.3	27.4	76.9 78.0	78.5	5.6 5.6	5.7	5.7	3.8 5.0	4.9		8.3 8.4	8.0	
1.0 15		Madagas	47.47		Dottom	33.0	23.8 25.4	23.3	7.9 7.8	7.5	27.4 21.3	21.4	78.9 80.8	70.5	5.7 5.9	5.7	5.7	4.7 2.0	4.5		7.6 5.1	0.0	
4-Sep-15	Sunny	Moderate	17:17		Surface	1.0	25.4 25.4	25.4	7.8	7.8	21.4	21.3	81.5	81.2	5.9	5.9	5.9	2.0	2.0		4.7	4.9	
				36.2	Middle	18.1	25.0 25.0	25.0	7.8 7.8	7.8	22.6 22.4	22.5	81.3 79.9	80.6	5.9 5.8	5.8	0.0	2.1 2.0	2.1	2.1	5.9 5.4	5.7	5.7
					Bottom	35.2	25.0 25.2	25.1	7.8 7.8	7.8	22.9 23.0	22.9	79.7 80.3	80.0	5.8 5.8	5.8	5.8	2.1 2.1	2.1		7.1 6.0	6.6	
7-Sep-15	Cloudy	Moderate	07:45		Surface	1.0	26.4	26.4	7.8	7.8	15.6	15.6	86.7	86.7	6.4	6.4		1.8	1.9		5.2	4.6	
				35.4	Middle	17.7	26.4 25.6	25.4	7.8 7.8	7.8	15.7 21.6	22.3	86.7 74.2	73.7	6.4 5.4	5.3	5.9	2.0 1.1	1.1	1.4	4.0	4.6	4.7
						34.4	25.2 24.9		7.8 7.7	7.8	23.1 25.2		73.1 75.3	74.8	5.3 5.4	5.4	5.4	1.0			4.8	4.9	
0.000.45	C	Moderate	09:41		Bottom	34.4	24.9	24.9	7.8 8.0	7.8	24.9 26.5	25.0	74.3 81.2	74.8	5.3	5.4	5.4	1.0	1.1		5.0 2.6	4.9	<u> </u>
9-Sep-15	Sunny	ivioderate	09.41		Surface	1.0	24.4 24.4	24.4	8.0	8.0	26.6	26.6	78.3	79.8	5.8 5.6	5.7	5.5	1.5	1.5		3.7	3.2	
				33.6	Middle	16.8	22.5 22.6	22.5	8.0 8.0	8.0	33.6 33.0	33.3	74.6 73.1	73.9	5.3 5.2	5.3		1.5 1.5	1.5	1.5	3.2 2.1	2.7	2.9
					Bottom	32.6	22.4 22.5	22.4	8.0 8.0	8.0	34.0 33.3	33.7	69.9 68.4	69.2	5.0 4.9	4.9	4.9	1.6 1.5	1.6		2.7 2.7	2.7	
11-Sep-15	Fine	Moderate	11:04		Surface	1.0	24.7 24.7	24.7	8.1 8.1	8.1	25.8 25.8	25.8	88.9 87.6	88.3	6.4 6.3	6.4		1.2 1.1	1.2		6.3 7.6	7.0	
				34.7	Middle	17.4	23.6	23.6	8.0 7.9	8.0	29.4 28.9	29.1	73.5 73.5	73.5	5.3 5.3	5.3	5.9	1.3 1.2	1.3	1.4	6.3 8.1	7.2	6.5
					Bottom	33.7	23.2	23.2	7.9	8.0	31.4	31.4	76.6	77.4	5.5	5.5	5.5	1.6	1.6		5.1	5.4	
14-Sep-15	Sunny	Moderate	14:41				23.2 24.7		8.0		31.5 20.2		78.1 81.8	0.1=	5.6 6.0			1.5 2.0			5.7 4.6		
	,				Surface	1.0	24.8 23.9	24.8	8.0 8.0	8.0	20.8 25.0	20.5	81.5 79.3	81.7	6.0 5.8	6.0	6.0	2.1	2.1		4.2 3.4	4.4	
				34.2	Middle	17.1	23.9	23.9	8.0	8.0	24.6	24.8	80.8	80.1	5.9	5.9		2.4	2.5	2.4	3.6	3.5	3.7
					Bottom	33.2	24.0 23.9	24.0	8.0 8.0	8.0	24.6 25.4	25.0	78.9 77.6	78.3	5.8 5.7	5.7	5.7	2.6 2.5	2.6		2.7 3.5	3.1	
16-Sep-15	Fine	Moderate	15:31		Surface	1.0	25.1 25.1	25.1	8.0 8.0	8.0	16.9 16.9	16.9	83.7 83.6	83.7	6.3 6.3	6.3		2.4 2.5	2.5		3.6 3.5	3.6	
				35.4	Middle	17.7	24.6 24.6	24.6	8.0 8.0	8.0	20.8	20.9	81.4 80.7	81.1	6.0 6.0	6.0	6.2	2.3	2.2	2.4	2.2 3.1	2.7	3.2
					Bottom	34.4	24.5	24.6	8.0	8.0	20.7	20.8	81.1	81.8	6.0	6.1	6.1	2.3	2.4		2.7	3.2	
18-Sep-15	Fine	Moderate	16:15		Surface	1.0	24.6 25.8	26.0	7.9	7.9	21.0 16.4	16.3	82.5 86.9	87.6	6.4	6.5		2.4	2.4		3.7 4.0	4.6	
				04.0	-		26.1 25.7		7.9 7.9		16.2 16.2		88.3 87.4		6.5 6.5		6.5	2.4		0.5	5.1 5.2		4.7
				34.0	Middle	17.0	25.3 25.2	25.5	7.9 7.8	7.9	17.8 20.1	17.0	85.4 83.8	86.4	6.3 6.2	6.4		2.5 2.6	2.5	2.5	4.3	4.8	4.7
04.0 45	D. C.	Madaga	04.47		Bottom	33.0	25.8	25.5	7.8	7.8	18.4	19.3	84.2	84.0	6.2	6.2	6.2	2.6	2.6		4.5	4.7	
21-Sep-15	Rainy	Moderate	04:47		Surface	1.0	25.6 25.6	25.6	8.0 8.0	8.0	18.5 18.9	18.7	82.9 81.2	82.1	6.1 6.0	6.0	5.9	2.2 2.1	2.2		2.1 2.1	2.1	
				33.9	Middle	17.0	25.6 25.6	25.6	7.9 7.9	7.9	28.5 26.9	27.7	82.3 80.1	81.2	5.7 5.6	5.7		2.2 2.2	2.2	2.2	1.8 1.9	1.9	2.2
					Bottom	32.9	25.6 25.6	25.6	7.9 7.9	7.9	29.0 27.8	28.4	79.0 78.4	78.7	5.5 5.5	5.5	5.5	2.3	2.3		2.3 2.7	2.5	
		<u> </u>					20.0		1.5		21.0		70.4		5.5			۷.۷	1	<u> </u>	۷.۱		

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at CSA - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Samp	ling	Tempera	ature (°C)	ī	ρΗ	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NT	J)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	07:17		Surface	1.0	25.6 25.7	25.7	8.0 8.0	8.0	21.6 23.2	22.4	80.5 82.1	81.3	5.7 5.9	5.8	5.6	2.6 2.7	2.7		3.3 3.6	3.5	
				34.1	Middle	17.1	25.4 25.4	25.4	8.0 7.9	8.0	31.4 31.0	31.2	79.4 79.1	79.3	5.4 5.5	5.4	0.0	2.7 2.8	2.8	2.8	3.4 3.3	3.4	3.3
					Bottom	33.1	25.3 25.4	25.4	7.9 7.9	7.9	33.5 33.2	33.4	77.5 78.6	78.1	5.3 5.4	5.4	5.4	2.8 2.8	2.8		2.5 3.7	3.1	
25-Sep-15	Sunny	Moderate	08:45		Surface	1.0	26.3 26.3	26.3	7.8 7.9	7.8	18.1 16.3	17.2	91.9 92.0	92.0	6.6 6.4	6.5	6.5	4.5 4.5	4.5		3.5 3.3	3.4	
				34.2	Middle	17.1	26.1 26.1	26.1	7.8 7.8	7.8	21.1 21.4	21.3	90.1 90.2	90.2	6.3 6.6	6.4	0.5	4.6 4.7	4.7	4.7	3.6 3.6	3.6	3.5
					Bottom	33.2	26.2 26.0	26.1	7.8 7.8	7.8	27.3 25.9	26.6	88.4 89.7	89.1	6.4 6.4	6.4	6.4	4.9 4.8	4.9		4.0 2.9	3.5	
28-Sep-15	Sunny	Moderate	14:00		Surface	1.0	26.3 26.4	26.4	8.0 8.0	8.0	22.4 22.6	22.5	76.9 77.9	77.4	5.5 5.5	5.5	5.4	5.4 5.4	5.4		5.0 4.2	4.6	
				34.3	Middle	17.2	25.9 25.9	25.9	8.0 8.0	8.0	24.5 24.3	24.4	75.2 74.0	74.6	5.3 5.2	5.3	3.4	5.3 5.3	5.3	5.4	4.2 3.9	4.1	4.4
					Bottom	33.3	26.0 25.9	26.0	8.0 8.0	8.0	24.5 24.3	24.4	76.6 74.7	75.7	5.4 5.3	5.4	5.4	5.6 5.5	5.6		4.4 4.3	4.4	
30-Sep-15	Fine	Moderate	16:01		Surface	1.0	26.7 26.6	26.6	7.9 7.9	7.9	17.6 18.0	17.8	83.0 82.5	82.8	6.0 6.0	6.0	6.0	6.5 6.5	6.5		6.2 7.1	6.7	
				34.1	Middle	17.1	26.3 26.5	26.4	7.9 7.9	7.9	18.2 18.6	18.4	81.6 81.9	81.8	5.9 5.9	5.9	0.0	6.7 6.6	6.7	6.7	6.5 6.7	6.6	6.4
					Bottom	33.1	26.4 26.4	26.4	7.9 7.9	7.9	19.2 19.5	19.3	80.7 80.3	80.5	5.9 5.9	5.9	5.9	6.8 6.8	6.8		6.4 5.6	6.0	
31-Dec-15	0	0	0		Surface	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0	0.0 0.0	0.0		0.0 0.0	0.0	
				1.0	Middle	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0	0.0 0.0	0.0	0.0	0.0 0.0	0.0	0.0
					Bottom	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0	0.0 0.0	0.0		0.0 0.0	0.0	

Remarks

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS4 and CS(Mf)3 are considered as upstream control stations of mid-ebb tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Appendix J - Marine Water Quality Monitoring Results

Water Quality Monitoring Results at CSA - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampl	ling	Tempera	ature (°C)	F	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissolv	ed Oxygen	(mg/L)	Т	urbidity(NTl	J)	Suspe	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	08:03		Surface	1.0	24.5 24.5	24.5	7.8 7.8	7.8	27.2 27.2	27.2	85.3 90.9	88.1	6.1 6.5	6.3		3.8 3.9	3.9		5.8 6.9	6.4	
				34.6	Middle	17.3	24.5 24.5	24.5	7.8 7.9	7.8	27.4 27.3	27.3	77.9 80.1	79.0	5.6 5.7	5.6	6.0	4.0 3.8	3.9	3.9	8.7 9.7	9.2	8.2
					Bottom	33.6	24.5 24.5 24.5	24.5	7.9 7.8	7.9	27.4 27.4	27.4	77.0	77.7	5.7 5.5 5.6	5.6	5.6	3.9	3.9		8.5 9.3	8.9	
4-Sep-15	Sunny	Moderate	10:22		Confess	4.0	25.1	25.4	7.8	7.8	25.1	25.2	78.4 85.7	83.3	6.1	0.0		1.5	4.5		5.0	4.0	
·					Surface	1.0	25.1 25.0	25.1	7.8 7.8	-	25.2 25.1		80.9 83.3		5.8 6.0	6.0	6.0	1.5 1.5	1.5		4.2 3.7	4.6	.
				36.2	Middle	18.1	25.1	25.1	7.8	7.8	25.3	25.2	80.7	82.0	5.8	5.9		1.6	1.6	1.6	3.7	3.7	4.3
					Bottom	35.2	25.1 25.1	25.1	7.8 7.8	7.8	25.4 25.0	25.2	80.5 81.9	81.2	5.8 5.9	5.8	5.8	1.6 1.5	1.6		4.6	4.6	
7-Sep-15	Sunny	Moderate	17:19		Surface	1.0	26.7 26.7	26.7	8.0 8.0	8.0	10.1 9.1	9.6	85.7 87.9	86.8	6.5 6.7	6.6	6.1	3.5 3.5	3.5		2.9 4.2	3.6	
				35.6	Middle	17.8	23.8 23.9	23.8	7.8 7.8	7.8	21.9 20.4	21.1	73.8 75.8	74.8	5.6 5.7	5.6	0.1	3.4 3.3	3.4	3.4	3.1 2.5	2.8	3.3
					Bottom	34.6	23.7	23.7	7.8 7.8	7.8	21.5 20.4	21.0	70.0 69.3	69.7	5.2 5.2	5.2	5.2	3.5 3.1	3.3		3.9 2.8	3.4	
9-Sep-15	Sunny	Moderate	18:41		Surface	1.0	24.7	24.4	7.9	7.9	18.4	17.6	92.3	91.7	6.9	6.9		2.3	2.3		6.4	6.2	
				34.6	Middle	17.3	24.1	23.4	7.9	7.9	16.9 21.3	21.2	91.1 74.6	76.8	6.8 5.6	5.8	6.4	2.3	2.2	2.2	5.9 2.6	2.6	3.9
				00	Bottom	33.6	23.5 22.9	23.1	8.0 7.8	7.9	21.0 25.4	26.3	79.0 73.9	70.7	6.0 5.6	5.4	5.4	2.2	2.2		2.6 3.1	2.9	
11-Sep-15	Fine	Moderate	19:48				23.2 25.1		7.9 8.1		27.1 14.0		67.5 106.8		5.1 8.1		3.4	2.1 3.6			2.7 3.3		<u> </u>
11 Cop 10	1 1110	modorato	10.10		Surface	1.0	25.2 24.7	25.2	8.2	8.2	14.1	14.1	110.0 97.8	108.4	8.4 7.4	8.3	7.9	3.5	3.6		4.5 5.5	3.9	.
				35.1	Middle	17.6	24.7	24.7	8.1	8.1	15.2	15.6	96.5	97.2	7.4	7.4		3.8	3.8	3.7	4.5	5.0	4.6
					Bottom	34.1	24.7 24.8	24.7	8.1 8.1	8.1	17.0 15.3	16.1	104.5 103.6	104.1	7.9 7.9	7.9	7.9	3.6 3.6	3.6		4.9 4.6	4.8	
14-Sep-15	Sunny	Moderate	06:17		Surface	1.0	24.0 24.0	24.0	7.9 7.9	7.9	30.3 29.6	29.9	79.5 81.0	80.3	5.6 5.8	5.7		3.5 3.5	3.5		5.0 4.2	4.6	
				34.2	Middle	17.1	24.0 24.0	24.0	8.0 7.9	8.0	30.8 30.9	30.8	81.9 79.4	80.7	5.8 5.6	5.7	5.7	3.2 3.3	3.3	3.4	6.2 6.5	6.4	5.4
					Bottom	33.2	24.0 24.0	24.0	8.0 7.9	8.0	30.5 30.9	30.7	84.0 80.3	82.2	6.0 5.7	5.8	5.8	3.2 3.3	3.3		4.9 5.4	5.2	
16-Sep-15	Fine	Moderate	07:34		Surface	1.0	24.7	24.7	7.9	7.9	28.0	28.0	83.5	84.1	5.9	6.0		2.4	2.5		5.0	5.3	
				35.4	Middle	17.7	24.7 24.7	24.7	7.9 7.9	7.9	27.9 28.1	28.0	84.7 83.9	84.4	6.0 5.9	6.0	6.0	2.5	2.6	2.5	5.5 7.3	7.5	6.1
				00.1	Bottom	34.4	24.7 24.7	24.7	7.9 7.9	7.9	28.0 28.1	28.0	84.8 84.0	84.8	6.0	6.0	6.0	2.5 2.5	2.4	2.0	7.7 5.3	5.5	
18-Sep-15	Fine	Moderate	08:51		1		24.7		7.9 7.8		27.9 27.3		85.6 83.6		6.1 5.9		0.0	2.3 3.1			5.7 3.9		
10 000 10	1 1110	modorato	00.01		Surface	1.0	24.9	24.9	7.8 7.8	7.8	27.4 27.5	27.4	83.8 82.0	83.7	5.9 5.8	5.9	5.9	3.0	3.1		4.2 3.8	4.1	
				34.3	Middle	17.2	24.9	24.9	7.8	7.8	27.6	27.6	83.4	82.7	5.9	5.9		3.3	3.3	3.2	5.1	4.5	4.5
					Bottom	33.3	24.9 24.9	24.9	7.8 7.8	7.8	28.0 28.2	28.1	82.5 81.6	82.1	5.8 5.8	5.8	5.8	3.3 3.2	3.3		5.9 4.0	5.0	
21-Sep-15	Cloudy	Moderate	14:27		Surface	1.0	25.7 25.6	25.6	8.0 8.0	8.0	14.3 14.6	14.5	80.7 78.4	79.6	5.9 5.8	5.9	5.8	2.2 2.3	2.3		1.9 1.7	1.8	
				34.5	Middle	17.3	25.4 25.4	25.4	7.9 8.0	7.9	21.3 23.0	22.2	78.7 76.7	77.7	5.7 5.5	5.6	0.0	2.2 2.3	2.3	2.3	1.6 1.8	1.7	1.8
					Bottom	33.5	25.3	25.4	7.9	7.9	25.0	23.1	76.6	76.9	5.5	5.5	5.5	2.3	2.3		1.8	1.8	
							25.4	_	7.9		21.3	_	77.1		5.6			2.3			1.8		<u> </u>

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at CSA - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampl	ling	Tempera	ature (°C)	F	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NTI	J)	Suspe	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	17:01		Surface	1.0	26.6 26.5	26.5	8.1 8.1	8.1	14.0 14.7	14.4	91.1 93.0	92.1	6.8 6.9	6.8	6.5	2.1 2.1	2.1		4.2 2.4	3.3	
				34.3	Middle	17.2	25.5 25.5	25.5	8.0 8.0	8.0	22.9 23.4	23.1	89.0 83.7	86.4	6.3 6.0	6.2	0.0	2.2 2.3	2.3	2.2	5.2 4.8	5.0	4.6
					Bottom	33.3	25.4 25.5	25.5	8.0 8.0	8.0	25.0 24.5	24.8	80.1 81.7	80.9	5.7 5.9	5.8	5.8	2.3 2.3	2.3		6.2 4.6	5.4	
25-Sep-15	Sunny	Moderate	18:59		Surface	1.0	26.8 26.7	26.8	7.9 7.9	7.9	15.1 16.4	15.7	101.7 100.1	100.9	7.5 7.3	7.4	7.3	3.3 3.4	3.4		1.4 1.0	1.2	
				34.2	Middle	17.1	26.5 26.4	26.5	7.9 7.9	7.9	18.3 20.0	19.2	100.6 99.3	100.0	7.2 7.3	7.2	7.0	3.5 3.6	3.6	3.6	2.2 2.1	2.2	2.0
					Bottom	33.2	26.1 26.5	26.3	7.8 7.9	7.8	25.9 21.6	23.7	97.8 99.6	98.7	7.1 7.2	7.1	7.1	3.8 3.7	3.8		2.7 2.5	2.6	
28-Sep-15	Sunny	Moderate	05:35		Surface	1.0	25.8 25.8	25.8	8.0 8.0	8.0	30.6 30.7	30.7	77.5 75.7	76.6	5.4 5.3	5.3	5.4	1.5 1.4	1.5		6.8 7.0	6.9	
				34.8	Middle	17.4	25.8 25.8	25.8	8.0 8.0	8.0	30.7 30.9	30.8	79.7 75.5	77.6	5.6 5.3	5.4	5	2.0 1.8	1.9	1.9	8.7 8.8	8.8	8.0
					Bottom	33.8	25.8 25.8	25.8	8.0 8.0	8.0	30.7 30.8	30.7	75.5 76.0	75.8	5.2 5.3	5.3	5.3	2.3 2.2	2.3		8.7 7.9	8.3	
30-Sep-15	Fine	Moderate	07:21		Surface	1.0	25.9 25.9	25.9	7.9 7.9	7.9	29.3 29.6	29.4	75.2 75.4	75.3	5.2 5.2	5.2	5.2	5.2 5.1	5.2		6.0 6.9	6.5	
				34.2	Middle	17.1	25.9 25.9	25.9	7.9 7.9	7.9	29.6 29.8	29.7	74.8 74.9	74.9	5.2 5.2	5.2	5.2	5.3 5.3	5.3	5.3	6.8 7.6	7.2	7.0
					Bottom	33.2	25.9 25.9	25.9	7.9 7.9	7.9	29.8 29.7	29.7	74.3 74.5	74.4	5.1 5.1	5.1	5.1	5.4 5.5	5.5		7.4 6.9	7.2	
31-Dec-15	0	0	0		Surface	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0	0.0 0.0	0.0	_	0.0 0.0	0.0	
				1.0	Middle	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0	0.0 0.0	0.0	0.0	0.0 0.0	0.0	0.0
					Bottom	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0	0.0 0.0	0.0		0.0 0.0	0.0	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS6, CSA and CS(Mf)5 are considered as upstream contol stations of mid-flood tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS(Mf)6 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Samp	ling	Tempera	ature (°C)	ī	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NT	U)	Suspe	ended Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	14:18		Surface	1.0	27.0 27.0	27.0	8.1 8.1	8.1	29.5 29.4	29.4	90.3 97.2	93.8	6.1 6.5	6.3		9.5 9.5	9.5		7.3 5.9	6.6	
				3.2	Middle	-	-	-	-	-	-	-	-	-	-	-	6.3	-	-	9.4	-	-	7.8
					Bottom	2.2	27.0 27.0	27.0	8.1 8.1	8.1	29.4 29.5	29.5	91.9 88.9	90.4	6.2	6.1	6.1	9.2 9.3	9.3		9.6	8.9	
4-Sep-15	Sunny	Moderate	15:48		o ,		27.7		8.0		29.8		85.5	00	6.0			10.6			6.5		
	,				Surface	1.0	27.7	27.7	8.0	8.0	29.8	29.8	86.2	85.9	6.1	6.1	6.1	9.6	10.1		6.4	6.5	
				3.3	Middle	-	- 27.7	-	8.0	-	29.9	-	86.2	-	- 6.1	-		10.5	-	10.2	7.9	-	7.6
					Bottom	2.3	27.5	27.6	8.0	8.0	30.1	30.0	84.1	85.2	6.0	6.0	6.0	10.1	10.3		9.5	8.7	
7-Sep-15	Cloudy	Moderate	09:32		Surface	1.0	29.6 29.5	29.5	8.0 8.0	8.0	19.1 18.6	18.9	81.1 80.3	80.7	5.6 5.5	5.5	5.5	3.4 3.5	3.5		2.0 2.2	2.1	
				3.2	Middle	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	3.6	-	-	2.4
					Bottom	2.2	29.6 29.6	29.6	8.0 7.9	8.0	22.9 23.3	23.1	83.0 80.3	81.7	5.6 5.5	5.5	5.5	3.6 3.6	3.6		2.7 2.4	2.6	
9-Sep-15	Sunny	Moderate	11:52		Surface	1.0	28.1 28.0	28.1	8.0 7.9	8.0	23.6 23.7	23.7	85.0 87.8	86.4	6.1 6.3	6.2		6.6 7.0	6.8		4.2 4.8	4.5	
				3.3	Middle	-	-	-	-	-	-	-	-	-	-	-	6.2	-	-	7.8	-	-	4.4
					Bottom	2.3	26.7	26.8	8.0	7.9	29.7	29.5	84.5	85.9	6.1	6.1	6.1	8.5	8.7		4.6	4.3	
11-Sep-15	Fine	Moderate	12:59		Surface	1.0	26.8 27.7	27.7	7.9 8.3	8.3	29.3 28.0	28.1	87.3 100.4	102.5	6.2	6.9		8.9 9.8	9.8		3.9 14.2	15.1	
				3.1		1.0	27.7	-	8.3	0.5	28.1	20.1	104.5	102.3	7.0	0.5	6.9	9.7		9.8	16.0	-	14.0
				3.1	Middle	-	27.7		8.3		28.2		102.0		6.9			9.6	-	9.8	12.1		14.0
			10.51		Bottom	2.1	27.7	27.7	8.3	8.3	28.3	28.3	106.1	104.1	7.1	7.0	7.0	9.8	9.7		13.5	12.8	
14-Sep-15	Sunny	Moderate	12:54		Surface	1.0	27.5 27.5	27.5	7.9 7.9	7.9	27.9 28.1	28.0	93.7 92.3	93.0	6.3 6.2	6.2	6.2	6.2 6.1	6.2		6.2 5.6	5.9	
				3.3	Middle	0.0	0.0 0.0	0.0	-	-	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0		0.0 0.0	0.0	6.3	-	-	5.3
					Bottom	2.3	27.6 27.3	27.4	7.9 7.9	7.9	28.0 29.1	28.6	90.2 91.3	90.8	6.0 6.1	6.1	6.1	6.4 6.4	6.4		5.1 4.1	4.6	
16-Sep-15	Fine	Moderate	13:39		Surface	1.0	27.8 27.8	27.8	8.2 8.2	8.2	32.1 32.1	32.1	89.5 88.4	89.0	5.9 5.8	5.8		8.5 8.5	8.5		10.3 9.6	10.0	
				3.2	Middle	-	-	-	-	-	-	-	-	-	-	-	5.8	-	-	8.6	-	-	9.2
					Bottom	2.2	27.8 27.8	27.8	8.2 8.2	8.2	32.2 32.2	32.2	91.5 88.9	90.2	6.0 5.8	5.9	5.9	8.8 8.6	8.7		8.8 7.9	8.4	
18-Sep-15	Fine	Moderate	14:38		Surface	1.0	28.5	28.4	8.2	8.2	31.5	31.4	92.1	91.5	6.0	6.0		7.5	7.4		4.3	3.8	
				3.2	Middle	_	28.4	-	8.2	-	31.3	-	90.8	-	5.9 -	-	6.0	7.2	-	7.5	3.3	-	4.0
					Bottom	2.2	28.0	28.1	8.2	8.2	32.5	32.4	91.5	91.3	6.0	6.0	6.0	7.5	7.5		4.0	4.2	
21-Sep-15	Rainy	Moderate	06:27		Surface	1.0	28.1 28.2	28.3	8.2 8.2	8.2	32.2 22.9	22.6	91.0 99.6	99.1	5.9 6.8	6.7	0.0	7.4 6.2	6.1		4.3 3.0	2.7	
	•			2.4		1.0	28.4	20.3	8.2		22.4	22.0	98.5	33.1	6.6	0.7	6.7	6.0			2.3		0.7
				3.1	Middle	-	28.7	-	8.1	-	26.7	-	89.7	-	6.0	-		6.8	-	6.6	2.5	-	2.7
					Bottom	2.1	28.5	28.6	8.2	8.1	25.1	25.9	87.1	88.4	5.9	5.9	5.9	7.1	7.0		2.6	2.6	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS(Mf)6 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Sampli	ing	Temper	ature (°C)	ŗ	Н	Salini	y (ppt)	DO Satu	ration (%)	Dissolv	ed Oxygen	(mg/L)	Т	urbidity(NTl	J)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth ((m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	09:57		Surface	1.0	28.7 28.7	28.7	8.2 8.2	8.2	24.5 23.7	24.1	88.2 87.7	88.0	6.0 6.0	6.0	6.0	5.6 5.8	5.7		3.2 2.7	3.0	
				3.1	Middle		-	-	-	-	-	-	-	-	-	-	0.0	-	-	6.5	-	-	2.9
					Bottom	2.1	28.6 28.6	28.6	8.2 8.2	8.2	29.0 28.1	28.6	89.9 87.9	88.9	5.9 5.8	5.9	5.9	7.4 7.0	7.2		2.6 2.9	2.8	
25-Sep-15	Sunny	Moderate	11:30		Surface	1.0	29.7 29.7	29.7	8.3 8.3	8.3	23.5 23.9	23.7	95.5 95.7	95.6	6.4 6.4	6.4	6.4	10.5 10.5	10.5		3.1 4.0	3.6	
				3.2	Middle	•	-	•		-		i	1 1	-		-	0.4	-	-	10.4	-	-	4.0
					Bottom	2.2	29.5 29.4	29.4	8.3 8.3	8.3	25.5 24.3	24.9	94.5 91.3	92.9	6.3 6.1	6.2	6.2	10.3 10.2	10.3		4.1 4.5	4.3	
28-Sep-15	Sunny	Moderate	11:44		Surface	1.0	29.3 29.3	29.3	8.2 8.2	8.2	28.7 28.8	28.8	78.5 78.5	78.5	5.1 5.1	5.1	5.1	8.9 8.5	8.7		7.0 6.7	6.9	
				3.3	Middle		-	-		-		-	1 1	-		-	5.1	-	-	8.7	-	-	8.9
					Bottom	2.3	29.3 29.2	29.3	8.2 8.2	8.2	28.7 29.1	28.9	78.7 80.2	79.5	5.1 5.2	5.2	5.2	8.5 8.8	8.7		11.0 10.7	10.9	
30-Sep-15	Fine	Moderate	13:18		Surface	1.0	29.2 29.2	29.2	8.2 8.2	8.2	32.8 32.8	32.8	84.9 84.4	84.7	5.5 5.5	5.5	5.5	15.3 15.1	15.2		6.4 7.3	6.9	
				3.2	Middle	-	-	-	1 1	-		-	1 1	-	-	-	5.5	-	-	15.4	-	-	8.2
					Bottom	2.2	29.1 29.1	29.1	8.2 8.2	8.2	32.9 32.8	32.9	87.4 84.4	85.9	5.7 5.5	5.6	5.6	15.5 15.4	15.5		9.1 9.7	9.4	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS4 and CS(Mf)3 are considered as upstream contol stations of mid-ebb tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS(Mf)6 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Samp	ling	Temper	ature (°C)		Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NT	J)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	09:49		Surface	1.0	26.9 26.9	26.9	8.0 8.0	8.0	29.9 29.8	29.9	83.9 90.5	87.2	5.6 6.1	5.9		18.4 17.6	18.0		19.7 18.6	19.2	
				3.1	Middle	-	-	-	-	-	-	-	-	-	-	-	5.9	-	-	18.1	-	-	19.9
					Bottom	2.1	26.9 26.9	26.9	8.1 8.0	8.1	29.8	29.8	85.2 83.4	84.3	5.7 5.6	5.7	5.7	17.8 18.3	18.1		20.8	20.6	
4-Sep-15	Sunny	Moderate	11:55		Surface	1.0	27.8	27.8	8.0	8.0	27.9	27.9	86.2	86.7	6.1	6.2		8.8	8.5		5.5	5.2	
				3.2	Middle	1.0	27.8	-	8.0	-	27.9	-	87.2	-	6.2	0.2	6.2	8.2	-	9.3	4.9	-	5.7
				3.2			27.8		8.0		28.0		86.6		6.2		6.1	9.7		5.5	6.4		5.7
7-Sep-15	Sunny	Moderate	15:08		Bottom	2.2	27.5 29.5	27.6	8.0 8.1	8.0	28.2 18.3	28.1	84.6 90.3	85.6	6.0	6.1	6.1	10.2 2.6	10.0		5.9 4.0	6.2	
7-оер-10	Guiniy	Woderate	15.00		Surface	1.0	29.5	29.5	8.1	8.1	18.5	18.4	94.0	92.2	6.3	6.3	6.3	2.8	2.7		4.7	4.4	
				3.0	Middle	-	-	-	-	-	-	-	-	-	-	-		-	-	2.8	-	-	4.3
					Bottom	2.0	29.7 29.5	29.6	8.0 8.0	8.0	21.7 21.6	21.7	89.8 92.0	90.9	6.2 6.2	6.2	6.2	2.8 2.7	2.8		4.2 4.0	4.1	<u> </u>
9-Sep-15	Sunny	Moderate	16:35		Surface	1.0	28.7 28.7	28.7	8.0 8.0	8.0	25.0 25.0	25.0	117.8 120.8	119.3	7.9 8.1	8.0	8.0	4.8 5.0	4.9		6.1 6.6	6.4	
				3.1	Middle	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	5.7	-	-	5.1
					Bottom	2.1	28.6 28.7	28.7	8.0 7.9	7.9	25.1 25.1	25.1	112.8 119.6	116.2	7.6 8.1	7.8	7.8	6.6 6.2	6.4		4.5 3.1	3.8	ļ
11-Sep-15	Fine	Moderate	17:29		Surface	1.0	28.4 28.4	28.4	8.5 8.5	8.5	29.0 29.1	29.1	109.8 110.9	110.4	7.3 7.3	7.3		7.2 7.2	7.2		6.9 7.8	7.4	
				3.0	Middle	-	-	-	-	-	-	-	-	-	-	-	7.3	-	-	7.2	-	-	8.3
					Bottom	2.0	28.4 28.3	28.3	8.5 8.5	8.5	29.1 29.1	29.1	106.4 109.2	107.8	7.0 7.2	7.1	7.1	7.2 7.1	7.2		9.2 9.2	9.2	
14-Sep-15	Sunny	Moderate	07:43		Surface	1.0	27.1	27.1	7.8	7.8	28.3	28.3	94.7	95.2	6.3	6.4		5.0	5.0		4.1	4.2	
				3.3	Middle	0.0	27.1 0.0	0.0	7.8	-	28.3	0.0	95.6 0.0	0.0	6.4 0.0	0.0	6.4	5.0 0.0	0.0	5.2	4.2	-	4.0
					Bottom	2.3	0.0 27.1	27.1	7.8	7.8	0.0 28.5	28.4	91.6	92.4	0.0 6.1	6.2	6.2	0.0 5.2	5.3		3.5	3.7	1
16-Sep-15	Fine	Moderate	09:05		Surface	1.0	27.1 27.7	27.7	7.8 8.2	8.2	28.2 31.5	31.5	93.1 87.3	87.5	6.2 5.8	5.8		5.3 7.1	7.2		3.9 6.7	6.8	
				3.3	Middle	1.0	27.7	-	8.2	-	31.5	-	87.7	-	5.8	0.0	5.8	7.3	-	7.3	6.8	-	6.7
				3.3		2.3	27.7	27.7	8.2	8.2	31.5	31.5	- 88.1	87.9	- 5.8	5.8	5.8	7.3	7.3	7.5	6.3	6.5	0.7
18-Sep-15	Fine	Moderate	10:31		Bottom		27.7 27.8		8.2 8.2		31.5 30.5		87.6 88.3		5.8 5.9		5.8	7.2 7.8			6.6		
.0 000 10	1 1110	Moderate	10.01		Surface	1.0	27.8	27.8	8.2	8.2	30.6	30.6	90.0	89.2	6.0	5.9	5.9	7.5	7.7		6.2	6.3	-
				3.2	Middle	-	-	-	-	-	-	-	-	-	-	-		-	-	7.6	-	-	6.2
					Bottom	2.2	27.7 27.8	27.8	8.2 8.2	8.2	30.7 30.9	30.8	89.3 94.4	91.9	5.9 6.2	6.1	6.1	7.2 7.5	7.4		6.7 5.5	6.1	<u> </u>
21-Sep-15	Cloudy	Moderate	12:26		Surface	1.0	28.4 28.4	28.4	8.2 8.2	8.2	21.7 21.7	21.7	98.9 99.8	99.4	6.8 6.9	6.9	6.9	2.5 2.6	2.6		2.4 2.1	2.3	
				3.2	Middle			-	1 1	•		-		-				-	-	2.7		-	2.5
					Bottom	2.2	28.4 28.4	28.4	8.2 8.2	8.2	22.0 21.9	22.0	100.8 99.5	100.2	6.9 6.9	6.9	6.9	2.8 2.6	2.7		2.7 2.7	2.7	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS(Mf)6 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampli	ing	Temper	ature (°C)	ŗ	Н	Salini	y (ppt)	DO Satu	ration (%)	Dissolv	ed Oxygen	(mg/L)	Т	urbidity(NTl	J)	Suspe	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth ((m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	15:02		Surface	1.0	30.1 29.9	30.0	8.4 8.4	8.4	23.8 24.2	24.0	110.3 115.5	112.9	7.3 7.7	7.5	7.5	8.1 8.1	8.1		4.2 3.4	3.8	
				3.2	Middle	-	-	-	-	-		-		-	-	-	7.5	-	-	8.8	-	-	4.2
					Bottom	2.2	29.2 29.7	29.4	8.3 8.3	8.3	27.4 26.7	27.0	103.7 110.9	107.3	6.8 7.3	7.1	7.1	9.7 9.0	9.4		5.0 4.1	4.6	
25-Sep-15	Sunny	Moderate	16:35		Surface	1.0	30.8 30.7	30.7	8.4 8.4	8.4	22.8 22.8	22.8	128.9 123.9	126.4	8.5 8.2	8.3	8.3	6.3 6.6	6.5		3.3 3.8	3.6	
				3.1	Middle	-		•		-	1 1	-		-	-	-	0.5	-	-	6.5	-	-	3.9
					Bottom	2.1	30.0 30.1	30.1	8.3 8.3	8.3	24.6 24.5	24.6	119.5 118.0	118.8	7.9 7.8	7.8	7.8	6.5 6.4	6.5		4.4 3.9	4.2	
28-Sep-15	Sunny	Moderate	07:14		Surface	1.0	29.1 29.1	29.1	8.2 8.2	8.2	28.4 28.4	28.4	89.2 89.5	89.4	6.2 6.2	6.2	6.2	5.7 5.6	5.7		4.4 3.9	4.2	
				3.1	Middle	-		-		-	1 1	-		-	-	-	0.2	-	-	5.8	-	-	4.2
					Bottom	2.1	29.1 29.1	29.1	8.2 8.2	8.2	28.7 28.6	28.7	91.0 89.0	90.0	6.3 6.2	6.2	6.2	6.0 5.8	5.9		3.1 5.0	4.1	
30-Sep-15	Fine	Moderate	08:28		Surface	1.0	28.9 28.9	28.9	8.2 8.2	8.2	30.4 30.3	30.4	86.2 93.2	89.7	5.7 6.2	6.0	6.0	8.7 8.4	8.6	_	8.0 8.8	8.4	
				3.2	Middle	-		-	1 1	-	1 1	-	1 1	-	-	-	0.0	-	-	8.7	-	-	8.3
					Bottom	2.2	28.9 28.9	28.9	8.2 8.2	8.2	30.4 30.4	30.4	86.7 85.7	86.2	5.8 5.7	5.7	5.7	8.8 8.8	8.8		8.2 8.2	8.2	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS6, CSA and CS(Mf)5 are considered as upstream contol stations of mid-flood tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS(Mf)9 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Samp	ling	Tempera	ature (°C)	F	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissolv	ed Oxygen	(mg/L)	Т	urbidity(NTl	J)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	14:33		Surface	1.0	27.0 27.0	27.0	8.1 8.1	8.1	29.2 29.2	29.2	80.8 75.1	78.0	5.5 5.1	5.3		10.5 10.8	10.7		8.6 8.6	8.6	
				3.6	Middle	-	-	-	-	-	-	-	-	-	-	-	5.3	-	-	10.5	-	-	9.8
					Bottom	2.6	26.9 26.9	26.9	8.1 8.1	8.1	29.3 29.4	29.3	74.8 76.6	75.7	5.1 5.2	5.1	5.1	10.2 10.3	10.3		10.7 11.2	11.0	
4-Sep-15	Sunny	Moderate	16:05		Surface	1.0	28.1	28.0	8.0	8.0	27.5	27.6	87.6	87.0	6.2	6.2		7.4	7.4		6.6	6.3	
				3.5	Middle		27.9		8.0	-	27.8		86.3	-	6.1		6.2	7.4		7.6	5.9	-	6.2
				0.0	Bottom	2.5	27.9	27.9	8.0	8.0	28.6	28.6	86.8	87.6	6.1	6.2	6.2	7.6	7.7	7.0	5.5	6.1	0.2
7-Sep-15	Cloudy	Moderate	09:15				27.9 29.3		8.0 8.1		28.6 18.4		88.4 91.2		6.2		0.2	7.8			6.6 4.6		
	,				Surface	1.0	29.3	29.3	8.1	8.1	18.6	18.5	92.6	91.9	6.4	6.3	6.3	3.2	3.1		5.8	5.2	
				3.7	Middle	-	29.5	-	8.0	-	20.6	-	95.7	-	6.5	-		3.2	-	3.2	2.6	-	4.1
0.000.45	Comment	Madagata	44.27		Bottom	2.7	29.5	29.5	8.0	8.0	21.1 23.9	20.9	91.9 97.4	93.8	6.2	6.4	6.4	3.1 4.5	3.2		3.2	2.9	
9-Sep-15	Sunny	Moderate	11:37		Surface	1.0	27.8 28.0	27.9	7.9 8.0	8.0	23.8	23.8	98.8	98.1	6.9 7.1	7.0	7.0	4.5	4.5		3.3 3.3	3.3	
				3.4	Middle	-		-		-	-	-		-	-	-		-	-	4.8	-	-	3.6
					Bottom	2.4	27.7 27.4	27.5	8.0 7.9	7.9	27.0 27.0	27.0	89.6 87.4	88.5	6.5 6.3	6.4	6.4	5.1 4.8	5.0		3.6 4.1	3.9	
11-Sep-15	Fine	Moderate	12:45		Surface	1.0	27.6 27.6	27.6	8.3 8.3	8.3	28.6 28.6	28.6	107.4 103.4	105.4	7.2 7.0	7.1	7.1	4.8 4.8	4.8		5.9 5.8	5.9	
				3.7	Middle	-	-	-	-	-	-	-	-	-	-	-	7.1	-	-	4.8	-	-	6.4
					Bottom	2.7	27.5 27.4	27.4	8.3 8.3	8.3	28.8 28.9	28.9	107.2 101.2	104.2	7.2 6.8	7.0	7.0	4.8 4.8	4.8		5.9 7.6	6.8	
14-Sep-15	Sunny	Moderate	13:06		Surface	1.0	27.5 27.5	27.5	7.9 7.9	7.9	28.2 28.2	28.2	92.8 93.2	93.0	6.2 6.2	6.2		4.4 4.9	4.7		3.3 2.5	2.9	
				3.4	Middle	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	4.8	-	-	2.9
					Bottom	2.4	27.6 27.6	27.6	7.9 7.9	7.9	28.1 28.2	28.2	90.1 89.3	89.7	6.0	6.0	6.0	4.8 4.7	4.8		3.0	2.9	
16-Sep-15	Fine	Moderate	13:51		Surface	1.0	27.8	27.8	8.2	8.2	32.1	32.1	90.2	90.9	5.9	6.0		7.7	7.8		4.2	4.2	
				3.8	Middle		27.8	-	8.2	-	32.0	-	91.6	_	6.0	_	6.0	7.8	_	7.8	4.2	_	4.3
					Bottom	2.8	27.8	27.8	8.2	8.2	32.1	32.1	90.9	93.1	6.0	6.1	6.1	7.7	7.8		4.3	4.4	
18-Sep-15	Fine	Moderate	14:49		Surface	1.0	27.8 28.3	28.3	8.2 8.2	8.2	32.1 30.8	30.8	95.2 94.2	93.3	6.3	6.1	0	7.8 5.5	5.5		4.4	4.9	
				2.7			28.3		8.2		30.8		92.4		6.1	0.1	6.1	5.5			5.2		5.4
				3.7	Middle	-	28.1	-	8.2	-	31.2	-	92.7	-	6.1	-		- 5.6	-	5.5	6.4	-	5.4
21-Sep-15	Rainy	Moderate	06:10	1	Bottom	2.7	28.0	28.1	8.2 8.2	8.2	31.5 22.4	31.3	96.8 93.6	94.8	6.4	6.2	6.2	5.4	5.5		5.1	5.8	
21-0ep-10	Кашу	Moderate	06.10		Surface	1.0	28.4	28.4	8.2	8.2	22.4	22.4	92.5	93.1	6.3	6.4	6.4	2.8	2.8		2.1	2.4	
				3.4	Middle	-	-	-	-	-	-	-	-	-	-	-		-	-	3.0	-	-	2.8
					Bottom	2.4	28.5 28.6	28.6	8.1 8.1	8.1	24.7 24.3	24.5	93.4 94.5	94.0	6.3 6.4	6.4	6.4	3.0 3.2	3.1		2.7 3.4	3.1	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS(Mf)9 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Sampl	ling	Tempera	ature (°C)	p	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NTI	J)	Suspe	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	09:41		Surface	1.0	28.6 28.6	28.6	8.2 8.2	8.2	26.5 26.6	26.6	80.3 81.4	80.9	5.4 5.4	5.4	5.4	4.7 4.7	4.7		4.2 5.3	4.8	
				3.4	Middle			-		-	-	-	-			-	5.4	-	-	5.1	-	-	5.2
					Bottom	2.4	28.4 28.4	28.4	8.1 8.1	8.1	28.9 29.3	29.1	82.7 78.4	80.6	5.5 5.2	5.3	5.3	5.2 5.7	5.5		5.4 5.8	5.6	l
25-Sep-15	Sunny	Moderate	11:13		Surface	1.0	29.6 29.7	29.6	8.3 8.3	8.3	22.7 22.7	22.7	92.5 95.9	94.2	6.2 6.4	6.3	6.3	7.2 6.9	7.1		3.7 3.4	3.6	
				3.6	Middle			-		-	-	-	-			-	0.5	-	-	7.2	-	-	3.6
					Bottom	2.6	29.5 29.4	29.5	8.3 8.3	8.3	25.2 24.8	25.0	95.8 91.5	93.7	6.4 6.1	6.2	6.2	7.2 7.2	7.2		4.0 3.1	3.6	
28-Sep-15	Sunny	Moderate	11:57		Surface	1.0	29.2 29.2	29.2	8.2 8.2	8.2	28.6 28.6	28.6	85.0 84.7	84.9	5.6 5.6	5.6	5.6	4.4 4.3	4.4		2.2 2.6	2.4	
				3.7	Middle	•		-		-	-	-		-		-	5.0	-	-	4.4	-	-	3.2
					Bottom	2.7	29.2 29.1	29.2	8.2 8.2	8.2	28.6 28.7	28.7	84.9 85.8	85.4	5.6 5.6	5.6	5.6	4.3 4.4	4.4		4.4 3.3	3.9	
30-Sep-15	Fine	Moderate	13:31		Surface	1.0	29.4 29.5	29.5	8.2 8.2	8.2	31.4 31.4	31.4	91.7 96.1	93.9	6.0 6.3	6.1	6.1	6.6 6.8	6.7		6.0 6.8	6.4	
				3.7	Middle	-	1 1	-	1 1	-	-	-		-		-	0.1	-	-	6.8	-	-	6.5
					Bottom	2.7	29.4 29.5	29.4	8.2 8.2	8.2	31.5 31.3	31.4	91.0 92.5	91.8	6.0 6.1	6.0	6.0	6.8 6.8	6.8		6.9 6.0	6.5	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS4 and CS(Mf)3 are considered as upstream contol stations of mid-ebb tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS(Mf)9 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Samp	ling	Tempera	ature (°C)	ŗ	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NT	U)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	09:36		Surface	1.0	26.8 26.8	26.8	8.0	8.0	29.4 29.3	29.3	80.5 80.7	80.6	5.4	5.4		13.1	13.4		11.6 11.9	11.8	
				3.6	Middle	-	- 20.8	-	8.0	-	- 29.3	-	- 80.7	-	5.4	-	5.4	13.6	-	13.4	-	-	14.3
					Bottom	2.6	26.8	26.8	8.0	8.0	29.5	29.7	80.4	80.8	5.4	5.4	5.4	13.5	13.4		17.5	16.8	
4.0 45		Martaneta	44.40		Dottom		26.8 27.2	20.0	8.0 8.0	0.0	29.8 27.2	20	81.2	00.0	5.5 5.9	0. 1	0	13.2 11.0			16.1	10.0	
4-Sep-15	Sunny	Moderate	11:40		Surface	1.0	27.2	27.2	8.0	8.0	27.8	27.5	81.5 82.7	82.1	6.0	5.9	5.9	10.4	10.7		13.0 12.2	12.6	
				3.4	Middle	-	-	-	-	-	-	-	-	-	-	-		-	-	10.8	-	-	12.9
					Bottom	2.4	27.2 27.1	27.2	8.0 8.0	8.0	28.1 28.2	28.1	81.7 83.4	82.6	5.9 6.0	5.9	5.9	11.1 10.4	10.8		12.1 14.0	13.1	
7-Sep-15	Sunny	Moderate	15:22		Surface	1.0	29.2 29.2	29.2	8.1 8.0	8.1	18.4 18.6	18.5	86.7 86.1	86.4	6.0 6.0	6.0	6.0	8.8 8.9	8.9		8.3 8.2	8.3	
				3.6	Middle	-	-	-	-	-	-	-	-	-	-	-	6.0	-	-	8.9	-	-	8.5
					Bottom	2.6	29.4 29.2	29.3	8.0 8.0	8.0	20.1 21.6	20.8	89.9 87.4	88.7	6.2 5.9	6.0	6.0	8.9 8.9	8.9		9.1 8.0	8.6	
9-Sep-15	Sunny	Moderate	16:51		Surface	1.0	28.3 28.4	28.3	8.0 8.0	8.0	25.1 25.1	25.1	110.6 106.8	108.7	7.5 7.2	7.4		5.5 5.4	5.5		6.3 6.8	6.6	
				3.4	Middle	-	-	-	-	-	-	-	-	-	-	-	7.4	-	-	6.4	-	-	8.1
					Bottom	2.4	28.3 27.7	28.0	8.0	8.0	25.8	26.3	109.6	106.0	7.4 6.9	7.2	7.2	7.0 7.5	7.3		10.0	9.6	
11-Sep-15	Fine	Moderate	17:44		Surface	1.0	27.6	27.6	8.3	8.3	26.8 29.7	29.7	102.4	98.0	6.7	6.6		7.6	7.7		8.0	7.6	
				3.7	Middle	_	27.5	_	8.3	_	29.7	_	95.5	_	6.4	_	6.6	7.7	-	7.8	7.2	-	10.6
					Bottom	2.7	27.6	27.4	8.3	8.3	29.9	30.3	98.6	96.8	6.6	6.5	6.5	7.8	7.8		14.4	13.5	
44.0 45	C	Madazata	07.00		Dottom	2.7	27.3	27.4	8.3	0.0	30.7	00.0	94.9	56.6	6.3	0.0	0.0	7.8	7.0		12.5	10.0	
14-Sep-15	Sunny	Moderate	07:32		Surface	1.0	27.0 26.9	26.9	7.8 7.8	7.8	29.0 29.0	29.0	90.2 91.0	90.6	6.0 6.1	6.1	6.1	5.1 5.1	5.1		4.5 5.1	4.8	
				3.6	Middle	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	5.2	-	-	4.5
					Bottom	2.6	27.0 26.9	27.0	7.8 7.8	7.8	28.9 29.1	29.0	88.9 86.9	87.9	6.0 5.8	5.9	5.9	5.2 5.2	5.2		4.4 3.9	4.2	
16-Sep-15	Fine	Moderate	08:53		Surface	1.0	27.4 27.3	27.4	8.1 8.1	8.1	31.6 31.6	31.6	85.1 84.2	84.7	5.7 5.6	5.6	5.6	5.3 5.3	5.3		3.9 3.9	3.9	
				3.6	Middle	-	-	-	-	-		-		-		-	3.0	-	-	5.4	-	-	5.0
					Bottom	2.6	27.3 27.3	27.3	8.1 8.1	8.1	31.7 31.7	31.7	86.3 84.3	85.3	5.7 5.6	5.7	5.7	5.3 5.4	5.4		6.3 5.9	6.1	
18-Sep-15	Fine	Moderate	10:17		Surface	1.0	27.7 27.7	27.7	8.1 8.1	8.1	30.2 30.1	30.1	83.8 83.4	83.6	5.6 5.6	5.6		7.5 7.4	7.5		2.8 2.2	2.5	
				3.7	Middle	-	-	-	-	-	-	-	-	-	-	-	5.6	-	-	7.6	-	-	2.9
					Bottom	2.7	27.6 27.6	27.6	8.1 8.1	8.1	31.0 30.8	30.9	84.5 83.5	84.0	5.6 5.5	5.6	5.6	7.5 7.6	7.6		3.0	3.2	1
21-Sep-15	Cloudy	Moderate	12:44		Surface	1.0	28.6 28.6	28.6	8.2	8.2	22.7	22.8	90.8 90.9	90.9	6.2 6.2	6.2		8.2	8.1		9.3 8.8	9.1	
				3.4	Middle	-	- 28.6	-	8.2	-	22.8	-	90.9	-	- 6.2	-	6.2	7.9	-	7.7	- 8.8	-	9.2
					Bottom	2.4	28.6	28.6	8.2	8.2	23.0	22.9	90.9	91.0	6.2	6.2	6.2	6.9	7.3	1	9.0	9.2	'
					Dottoill	۷.٦	28.6	20.0	8.2	0.2	22.9	22.0	91.0	01.0	6.2	0.2	0.2	7.7	7.0		9.4	U.2	<u> </u>

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS(Mf)9 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampl	ling	Tempera	ature (°C)	p	Н	Salinit	y (ppt)	DO Satu	ration (%)	Dissolv	ed Oxygen	(mg/L)	Т	urbidity(NTl	J)	Susper	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	15:18		Surface	1.0	29.4 29.5	29.4	8.3 8.3	8.3	24.3 24.3	24.3	106.0 107.6	106.8	7.1 7.2	7.1	7.1	3.9 3.9	3.9		4.1 4.7	4.4	
				3.3	Middle	-	1 1	-		-	-	-	1 1	-		-	7.1	-	-	4.1	-	1	5.1
					Bottom	2.3	29.0 29.2	29.1	8.3 8.3	8.3	25.6 25.4	25.5	103.6 106.4	105.0	6.9 7.1	7.0	7.0	4.4 4.0	4.2		5.5 6.1	5.8	
25-Sep-15	Sunny	Moderate	16:48		Surface	1.0	29.9 30.0	29.9	8.3 8.3	8.3	23.1 23.1	23.1	111.6 112.6	112.1	7.4 7.5	7.5	7.5	11.5 11.4	11.5		4.7 5.1	4.9	
				3.5	Middle	-		-		-	-	-		-		-	7.0	-	-	11.4	-	-	5.2
					Bottom	2.5	29.9 29.9	29.9	8.3 8.3	8.3	23.9 23.3	23.6	112.6 112.4	112.5	7.5 7.5	7.5	7.5	11.2 11.3	11.3		5.4 5.5	5.5	
28-Sep-15	Sunny	Moderate	07:00		Surface	1.0	29.0 28.9	29.0	8.2 8.2	8.2	28.5 28.5	28.5	82.0 82.3	82.2	5.4 5.4	5.4	5.4	3.9 3.9	3.9		2.0 2.1	2.1	
				3.7	Middle	-		-		-	-	i		-		-	3.4	-	-	3.9	-	ı	2.6
					Bottom	2.7	28.9 28.9	28.9	8.2 8.2	8.2	28.5 28.5	28.5	83.4 82.0	82.7	5.5 5.4	5.4	5.4	3.9 3.9	3.9		2.6 3.4	3.0	
30-Sep-15	Fine	Moderate	08:15		Surface	1.0	28.8 28.8	28.8	8.2 8.2	8.2	29.8 29.8	29.8	90.4 85.5	88.0	6.0 5.7	5.9	5.9	6.7 6.4	6.6		7.5 7.8	7.7	
				3.7	Middle	-	1 1	-	1 1	-	-	-	1 1	-		-	5.5	-	-	6.6	-	-	7.3
					Bottom	2.7	28.8 28.8	28.8	8.2 8.2	8.2	30.3 30.0	30.1	86.2 84.9	85.6	5.7 5.7	5.7	5.7	6.5 6.6	6.6		7.0 6.6	6.8	İ

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS6, CSA and CS(Mf)5 are considered as upstream contol stations of mid-flood tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS10 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Sampl	ling	Tempera	ature (°C)	ŗ	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissolv	red Oxygen	(mg/L)	Ti	urbidity(NT	U)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	15:33		Surface	1.0	24.4 24.4	24.4	7.9 7.8	7.9	25.6 25.6	25.6	75.6 75.4	75.5	5.5 5.4	5.4		13.2	13.5		17.2 17.8	17.5	
				10.5	Middle	5.3	24.4	24.4	7.8	7.8	25.7	25.7	75.1	74.9	5.4	5.4	5.4	13.7 14.9	15.1	14.5	18.1	18.4	18.2
					Bottom	9.5	24.4	24.4	7.8 7.8	7.8	25.7 25.7	25.8	74.6 76.3	76.0	5.4 5.5	5.5	5.5	15.2 14.4	15.0		18.6 18.7	18.8	
					DOLLOTTI	9.5	24.3	24.4	7.8	7.0	25.8	25.0	75.7	76.0	5.5	5.5	5.5	15.5	15.0		18.8	10.0	
4-Sep-15	Sunny	Moderate	16:22		Surface	1.0	25.2 25.6	25.4	7.7 7.7	7.7	17.5 17.3	17.4	72.8 73.4	73.1	5.4 5.4	5.4	5.4	3.5 3.6	3.6		5.5 5.9	5.7	
				11.2	Middle	5.6	24.9 24.7	24.8	7.7 7.7	7.7	19.9 20.9	20.4	72.6 72.3	72.5	5.3 5.3	5.3	5.4	3.8 3.6	3.7	3.7	5.7 5.1	5.4	5.8
					Bottom	10.2	25.2 25.1	25.2	7.7 7.7	7.7	21.6 22.1	21.9	72.4 72.1	72.3	5.3 5.3	5.3	5.3	3.8 3.9	3.9		5.9 6.7	6.3	
7-Sep-15	Cloudy	Moderate	08:58		Surface	1.0	26.5	26.5	7.9	7.9	13.7	13.8	87.3	86.2	6.5	6.4		3.9	3.8		3.9	3.2	
				10.8	Middle	5.4	26.5 26.2	26.2	7.9 7.8	7.8	14.0 16.9	16.8	85.0 82.0	82.7	6.3	6.1	6.3	3.6	3.7	3.8	4.1	4.2	4.3
					Bottom	9.8	26.2 26.2	26.1	7.8 7.8	7.8	16.6 17.8	18.3	83.3 85.2	84.3	6.1	6.2	6.2	3.6	3.9		5.7	5.4	
0.000.45	C	Moderate	10:53		Bollom	9.0	26.1	20.1	7.8 8.0	7.0	18.9 19.8	10.3	83.4 75.6	04.3	6.1	0.2	0.2	4.0 3.2	3.9		5.1 2.4	3.4	
9-Sep-15	Sunny	ivioderate	10.55		Surface	1.0	25.0 25.0	25.0	8.0	8.0	18.0	18.9	73.7	74.7	5.6 5.5	5.5	5.4	3.1	3.2		3.0	2.7	ļ
				11.1	Middle	5.6	23.6 23.6	23.6	8.0 8.0	8.0	26.8 23.9	25.3	73.7 73.1	73.4	5.3 5.2	5.2		3.1 3.0	3.1	3.1	3.6 4.3	4.0	3.2
					Bottom	10.1	23.3 23.3	23.3	8.0 8.0	8.0	30.5 27.8	29.2	72.3 68.9	70.6	5.2 5.0	5.1	5.1	3.0 3.1	3.1		2.2 3.4	2.8	
11-Sep-15	Fine	Moderate	12:17		Surface	1.0	25.4 25.2	25.3	8.0 8.0	8.0	20.4 20.4	20.4	93.9 92.9	93.4	6.9 6.8	6.8		2.4 2.6	2.5		4.8 4.8	4.8	
				10.3	Middle	5.2	25.0 24.9	25.0	8.0 8.0	8.0	22.1 22.6	22.4	90.7 91.8	91.3	6.6 6.7	6.7	6.8	3.0 3.1	3.1	3.1	4.8 4.4	4.6	5.0
					Bottom	9.3	25.0 24.9	24.9	8.0	8.0	22.6 23.0	22.8	94.4 94.1	94.3	6.9 6.8	6.9	6.9	3.7 3.6	3.7		6.4 5.0	5.7	1
14-Sep-15	Sunny	Moderate	13:27		Confess	4.0	24.9	25.0	8.0	8.0	23.0	22.3	82.5	04.4	6.0	5.0		4.5	4.0		4.3	2.0	\vdash
	•				Surface	1.0	25.0 24.3	25.0	8.0 8.0		21.7 25.0		79.6 80.7	81.1	5.8 5.9	5.9	5.9	4.6 4.4	4.6		3.5 4.1	3.9	
				10.6	Middle	5.3	24.4	24.4	8.0 8.0	8.0	23.7	24.4	78.8 76.7	79.8	5.7 5.6	5.8		4.4	4.4	4.5	4.1	4.1	3.7
					Bottom	9.6	24.4	24.4	8.0	8.0	25.5	24.9	79.3	78.0	5.8	5.7	5.7	4.5	4.5		2.8	3.0	
16-Sep-15	Fine	Moderate	14:22		Surface	1.0	25.1 25.2	25.1	8.0 8.0	8.0	17.0 16.6	16.8	82.9 84.6	83.8	6.2 6.3	6.3		5.9 5.4	5.7		6.6 5.6	6.1	
				10.7	Middle	5.4	24.7 24.7	24.7	8.0 8.0	8.0	19.0 19.0	19.0	81.4 80.7	81.1	6.1 6.0	6.0	6.2	6.1 6.2	6.2	6.4	5.9 4.9	5.4	5.9
					Bottom	9.7	24.8 24.8	24.8	8.0 8.0	8.0	19.0 19.1	19.1	82.5 82.7	82.6	6.1 6.2	6.1	6.1	7.4 7.1	7.3		5.8	6.1	1
18-Sep-15	Fine	Moderate	15:15		Surface	1.0	26.4	26.4	7.8	7.8	14.4	13.8	83.9	83.7	6.2	6.2		4.8	4.9		4.2	4.8	
				10.2	Middle	5.1	26.4 25.6	25.4	7.8 7.7	7.8	13.3 15.1	15.7	83.4 82.9	82.9	6.2	6.2	6.2	4.9 5.0	5.1	5.1	5.4 4.4	4.4	4.5
				10.2			25.3 25.7		7.8 7.7		16.3 18.5		82.9 82.1		6.2			5.1 5.2		3.1	4.4		4.5
21-Sep-15	Rainy	Moderate	05:35	<u> </u>	Bottom	9.2	25.1 25.9	25.4	7.7	7.7	21.8 15.0	20.2	81.2 85.1	81.7	6.1	6.0	6.0	5.3	5.3		3.7	4.2	
21-3ep-13	ixaiiiy	Moderate	00.33		Surface	1.0	25.9	25.9	7.9	7.9	15.0	15.0	85.3	85.2	6.4	6.4	6.2	2.5 2.6 2.8	2.6		2.9	2.9	
				10.9	Middle	5.5	25.9 25.8	25.9	7.9 7.9	7.9	18.5 20.3	19.4	84.0 80.5	82.3	6.2 5.8	6.0		2.9	2.9	3.0	3.1 2.4	2.8	3.0
					Bottom	9.9	25.3 25.8	25.6	7.8 7.8	7.8	29.1 28.4	28.7	82.8 86.1	84.5	5.8 6.0	5.9	5.9	3.6 3.5	3.6		4.1 2.3	3.2	i '
		·					20.0		, ,,,		20.7		00.1		0.0			0.0					

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS10 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Samplin	g	Tempera	ature (°C)	F	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NT	J)	Suspe	nded Solids	(mg/L) د
	Condition	Condition**	Time	Depth (m)	Depth (m	n)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	08:19		Surface	1.0	25.9 25.9	25.9	8.0 8.0	8.0	19.5 19.5	19.5	82.7 82.6	82.7	5.9 5.9	5.9	5.8	3.2 3.4	3.3		3.1 2.6	2.9	
				10.6	Middle	5.3	25.6 25.6	25.6	7.9 7.9	7.9	25.5 26.7	26.1	81.3 81.5	81.4	5.8 5.7	5.7	3.0	3.3 3.2	3.3	3.3	2.6 2.8	2.7	2.9
					Bottom	9.6	25.3 25.5	25.4	7.9 7.9	7.9	29.4 29.0	29.2	76.5 78.2	77.4	5.4 5.5	5.5	5.5	3.2 3.3	3.3		3.1 3.0	3.1	
25-Sep-15	Sunny	Moderate	11:10		Surface	1.0	26.4 26.3	26.3	7.9 7.9	7.9	17.2 16.9	17.0	80.6 90.1	85.4	5.9 6.3	6.1	6.1	7.2 7.3	7.3		3.5 2.5	3.0	
				10.1	Middle	5.1	26.0 26.0	26.0	7.8 7.8	7.8	24.5 23.6	24.0	87.5 86.8	87.2	6.1 6.0	6.1	0.1	7.5 7.5	7.5	7.5	3.2 3.5	3.4	3.2
					Bottom	9.1	26.0 25.9	26.0	7.7 7.7	7.7	25.9 27.1	26.5	81.8 83.9	82.9	5.8 6.2	6.0	6.0	7.7 7.8	7.8		3.6 2.5	3.1	
28-Sep-15	Sunny	Moderate	12:48		Surface	1.0	26.2 26.2	26.2	8.0 8.0	8.0	17.8 17.5	17.7	74.1 73.5	73.8	5.4 5.4	5.4	5.4	8.6 8.7	8.7		4.6 4.3	4.5	
				10.2	Middle	5.1	26.1 26.1	26.1	8.0 8.0	8.0	19.3 19.1	19.2	73.3 73.0	73.2	5.3 5.3	5.3	5.4	9.1 9.2	9.2	8.9	4.7 3.7	4.2	4.3
					Bottom	9.2	26.1 26.1	26.1	8.0 8.0	8.0	19.3 19.1	19.2	73.5 74.4	74.0	5.4 5.4	5.4	5.4	8.9 8.9	8.9		3.9 4.3	4.1	
30-Sep-15	Fine	Moderate	14:58		Surface	1.0	26.2 26.5	26.3	7.9 7.9	7.9	21.9 20.7	21.3	78.2 78.7	78.5	5.6 5.6	5.6	5.6	13.0 13.1	13.1		5.3 5.8	5.6	
				10.3	Middle	5.2	26.0 26.1	26.0	7.9 7.9	7.9	23.6 22.1	22.9	77.4 77.4	77.4	5.6 5.6	5.6	5.0	13.2 13.4	13.3	13.3	5.4 5.3	5.4	5.6
					Bottom	9.3	25.9 26.2	26.1	7.9 7.9	7.9	24.1 22.5	23.3	76.8 76.7	76.8	5.5 5.5	5.5	5.5	13.5 13.6	13.6		6.4 5.0	5.7	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS4 and CS(Mf)3 are considered as upstream contol stations of mid-ebb tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS10 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampl	ling	Tempera	ature (°C)	F	Н	Salinit	ty (ppt)	DO Satu	ıration (%)	Dissolv	ed Oxygen	(mg/L)	Ti	urbidity(NT	U)	Suspe	ended Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	09:06		Surface	1.0	24.5 24.5	24.5	7.8	7.8	27.7 27.5	27.6	82.0 85.4	83.7	5.8	6.0		12.5	12.2		14.6 14.2	14.4	P
				10.6	Middle	5.3	24.4	24.4	7.8	7.8	28.1	28.2	76.8	78.1	5.5	5.6	5.8	11.9	12.5	12.8	15.2	14.8	15.2
					Bottom	9.6	24.3 24.4	24.4	7.8 7.8	7.8	28.2 28.1	28.2	79.4 78.2	77.4	5.7 5.6	5.5	5.5	12.7 14.0	13.7		14.4 15.8	16.5	-
10 15			44.00		Dottom	3.0	24.3	24.4	7.8	7.0	28.2	20.2	76.6	11.4	5.5	5.5	3.3	13.4	13.7		17.2	10.5	<u> </u>
4-Sep-15	Sunny	Moderate	11:08		Surface	1.0	24.6 24.5	24.6	7.8 7.8	7.8	22.8 23.0	22.9	75.9 84.3	80.1	5.5 6.2	5.9	5.9	14.5 14.6	14.6		15.6 14.6	15.1	
				11.1	Middle	5.6	24.3 24.4	24.3	7.8 7.8	7.8	23.6 23.7	23.7	83.4 75.0	79.2	6.1 5.5	5.8	5.5	14.6 14.7	14.7	14.7	12.2 12.4	12.3	12.8
					Bottom	10.1	24.3 24.3	24.3	7.8 7.8	7.8	23.5 23.9	23.7	79.1 74.6	76.9	5.8 5.4	5.6	5.6	15.0 14.8	14.9		11.9 10.1	11.0	
7-Sep-15	Sunny	Moderate	16:03		Surface	1.0	26.5 26.5	26.5	7.9 7.9	7.9	10.9 10.8	10.8	82.0 84.4	83.2	6.2 6.4	6.3		7.4 7.5	7.5		5.2 5.0	5.1	
				10.1	Middle	5.1	25.7 25.7	25.7	7.8 7.8	7.8	19.3 17.3	18.3	73.8 72.5	73.2	5.4 5.4	5.4	5.9	10.8 11.0	10.9	9.6	4.8 5.4	5.1	5.0
					Bottom	9.1	24.6	24.6	7.7	7.7	21.7	21.5	79.3	78.7	5.8	5.8	5.8	10.4	10.5		5.0	4.9	1
9-Sep-15	Sunny	Moderate	17:38			1.0	24.6 25.2		7.7 8.0		21.3 17.7	17.3	78.0 101.5	98.5	5.7 7.6			10.5 5.3			4.7		
	,				Surface		25.3 24.2	25.3	8.0 8.0	8.0	17.0 18.8		95.5 92.3		7.2 6.9	7.4	7.1	5.4 5.5	5.4		2.6	3.3	
				11.0	Middle	5.5	24.5	24.3	8.0 8.0	8.0	18.4	18.6	86.9 77.4	89.6	6.6 5.8	6.7		5.4 5.5	5.5	5.5	2.5	2.6	2.8
					Bottom	10.0	23.6	23.7	8.0	8.0	21.5	21.1	83.2	80.3	6.3	6.0	6.0	5.5	5.5		2.8	2.6	
11-Sep-15	Fine	Moderate	18:31		Surface	1.0	25.6 25.6	25.6	8.0 8.0	8.0	12.8 13.0	12.9	99.5 95.3	97.4	7.6 7.2	7.4	7.1	4.1 4.6	4.4		5.3 4.0	4.7	
				10.3	Middle	5.2	24.8 24.8	24.8	7.9 8.0	8.0	15.6 15.6	15.6	89.1 89.1	89.1	6.8 6.8	6.8	7.1	8.2 8.4	8.3	6.4	5.9 4.7	5.3	4.9
					Bottom	9.3	24.9 25.0	24.9	8.0 8.0	8.0	15.7 15.9	15.8	92.2 93.5	92.9	7.0 7.1	7.0	7.0	6.6 6.5	6.6		3.9 5.3	4.6]
14-Sep-15	Sunny	Moderate	07:10		Surface	1.0	24.2	24.2	7.9	7.9	28.0	27.8	81.1	83.0	5.8	5.9		14.6	14.5		8.0	8.9	
				10.8	Middle	5.4	24.2	24.1	7.9 7.9	7.9	27.6 28.9	28.8	78.9	77.7	5.7	5.6	5.8	14.3	14.2	14.3	9.7 8.5	9.0	9.1
					Bottom	9.8	24.1 24.1	24.1	7.9 7.9	7.9	28.8 29.2	29.2	76.5 75.8	76.9	5.5 5.4	5.5	5.5	14.1 14.4	14.3		9.4	9.3	∤
16-Sep-15	Fine	Moderate	08:33				24.1 24.8		7.9 7.9		29.2 23.3		78.0 83.0		5.5 6.0		0.0	14.1 6.3		1	9.5 7.0		
10 000 10		moderate	00.00		Surface	1.0	24.8	24.8	7.9 7.9	7.9	24.4	23.8	84.3 82.9	83.7	6.1	6.1	6.1	6.1	6.2		6.1 7.6	6.6	<u> </u>
				10.3	Middle	5.2	24.7	24.7	7.9	7.9	25.3	25.0	84.8	83.9	6.1	6.0		7.3	7.5	7.1	7.2	7.4	7.4
					Bottom	9.3	24.7 24.7	24.7	7.9 7.9	7.9	24.8 26.1	25.5	83.8 86.4	85.1	6.0 6.2	6.1	6.1	7.5 7.7	7.6		7.2 9.0	8.1	
18-Sep-15	Fine	Moderate	09:46		Surface	1.0	25.0 25.0	25.0	7.8 7.8	7.8	20.0 21.1	20.6	87.2 86.6	86.9	6.4 6.4	6.4	6.3	6.2 6.3	6.3		10.2 10.6	10.4	
				10.3	Middle	5.2	24.9 25.0	25.0	7.8 7.8	7.8	22.1 20.7	21.4	84.1 83.4	83.8	6.2 6.2	6.2	0.3	6.4 6.4	6.4	6.4	11.4 11.0	11.2	10.8
					Bottom	9.3	25.0 24.9	25.0	7.8 7.8	7.8	21.5 24.0	22.8	81.3 81.2	81.3	6.0	6.0	6.0	6.5 6.5	6.5		11.1	10.7	1
21-Sep-15	Cloudy	Moderate	13:28		Surface	1.0	25.8	25.8	8.0	8.0	11.7	12.4	83.7	82.3	6.3	6.2		4.4	4.4		3.2	3.3	
				11.2	Middle	5.6	25.7 25.4	25.5	7.8	7.8	13.0 21.1	21.8	80.9 82.1	81.0	6.0	5.9	6.1	4.4	4.5	4.5	3.3	3.2	3.2
					Bottom	10.2	25.5 25.6	25.5	7.8 7.8	7.8	22.5 23.7	24.4	79.8 80.3	78.7	5.8 5.8	5.7	5.7	4.5 4.5	4.5		2.7 3.1	3.0	
					DOLLOHI	10.2	25.4	23.3	7.8	7.0	25.1	24.4	77.0	10.1	5.6	5.1	5.1	4.4	4.5		2.8	3.0	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS10 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampling	Tempe	rature (°C)	р	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissolv	red Oxygen	(mg/L)	Т	urbidity(NTl	J)	Susper	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth (m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	15:57		Surface 1.	0 27.0 26.6	26.8	8.1 8.1	8.1	16.2 16.0	16.1	88.7 92.3	90.5	6.5 6.7	6.6	6.4	2.6 2.5	2.6		3.4 2.8	3.1	
				10.7	Middle 5.	4 25.6 25.6	25.6	8.0 8.0	8.0	25.5 25.1	25.3	83.3 91.0	87.2	5.9 6.5	6.2	0.4	2.5 2.4	2.5	2.5	4.1 4.5	4.3	3.8
					Bottom 9.	7 25.6 25.5	25.6	8.0 8.0	8.0	26.0 27.1	26.5	84.2 80.1	82.2	6.0 5.7	5.8	5.8	2.4 2.5	2.5		4.2 3.9	4.1	
25-Sep-15	Sunny	Moderate	17:42		Surface 1.	0 26.6 26.6	26.6	7.8 7.8	7.8	20.8 19.8	20.3	96.0 96.1	96.1	6.8 6.7	6.8	6.8	6.3 6.4	6.4		5.8 5.6	5.7	
				10.2	Middle 5.	1 26.3 26.4	26.4	7.8 7.8	7.8	22.3 20.8	21.6	94.8 94.6	94.7	6.8 6.8	6.8	0.0	6.4 6.6	6.5	6.6	6.7 6.7	6.7	6.2
					Bottom 9.	2 26.3 26.6	26.5	7.8 7.8	7.8	25.0 24.6	24.8	93.7 93.8	93.8	6.7 6.7	6.7	6.7	6.8 6.8	6.8		6.4 5.8	6.1	
28-Sep-15	Sunny	Moderate	06:40		Surface 1.	0 26.1 26.1	26.1	8.0 8.0	8.0	27.4 27.3	27.3	81.0 83.3	82.2	5.6 5.8	5.7	5.6	12.9 13.3	13.1		9.1 10.1	9.6	
				10.4	Middle 5.	2 26.1 26.0	26.1	8.0 8.0	8.0	28.1 28.2	28.2	76.5 78.0	77.3	5.3 5.4	5.4	5.0	12.5 11.8	12.2	12.7	11.4 11.2	11.3	10.5
					Bottom 9.	4 26.0 26.1	26.1	8.0 8.0	8.0	28.3 28.0	28.2	75.6 77.2	76.4	5.3 5.3	5.3	5.3	12.3 13.0	12.7		10.6 10.3	10.5	
30-Sep-15	Fine	Moderate	08:25		Surface 1.	0 26.1 26.1	26.1	7.8 7.8	7.8	26.7 26.5	26.6	79.3 78.9	79.1	5.5 5.5	5.5	5.5	14.1 14.3	14.2		16.1 15.6	15.9	
				10.5	Middle 5.	3 26.0 26.0	26.0	7.8 7.8	7.8	27.0 27.1	27.0	78.2 78.2	78.2	5.5 5.5	5.5	5.5	14.5 14.4	14.5	14.5	16.4 15.8	16.1	16.0
					Bottom 9.	5 26.0 26.0	26.0	7.8 7.8	7.8	27.0 26.9	27.0	77.1 77.3	77.2	5.4 5.4	5.4	5.4	14.6 14.8	14.7		16.5 15.2	15.9	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS6, CSA and CS(Mf)5 are considered as upstream contol stations of mid-flood tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS(Mf)11 - Mid-EbbTide

Page	Date	Weather	Sea	Sampling	Water	Sampl	ling	Tempera	ature (°C)	F	Н	Salini	y (ppt)	DO Satu	ration (%)	Dissolv	ed Oxygen	(mg/L)	Т	urbidity(NTl	J)	Suspe	nded Solids	s (mg/L)
Moderate 10 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0 24,0		Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
10.2 Middle 6.1 242 24.2 7.8 7.9 25.0 76.2 76.3 7.0 5.5 5.6 15.1 14.7 12.8 11.4 14.4 11.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4 14.4	2-Sep-15	Rainy	Moderate	15:43		Surface	1.0		24.5		7.9		24.6		76.9		5.6			9.1			10.4	
Series S					10.2	Middle	5.1	24.2	24.2		7.9	25.7	25.9	76.2	76.3	5.5	5.5	5.6	14.3	14.7	12.3	11.4	11.2	11.0
Sumy Moderate 16.29 Mode						Bottom	9.2	24.2	24.3	7.8	7.8	26.4	26.0	78.0	77.7	5.6	5.6	5.6	13.1	13.2		11.8	11.4	
112 Mode Bottom 102 248 249 778 778 779 210 201 818 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775 775	4-Sep-15	Sunny	Moderate	16:29		Surface	1.0	25.4	25.3	7.8	7.8	18.0	17.6	78.5	82.0	5.7	6.0		3.6	3.7		6.1	6.5	
Surry Moderate 10.44 12.1 10.44 12.1 10.44 12.1 10.44 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4					11 2	Middle	5.6	24.8	24 9	7.7	77	21.0	20.1	77.5	79 7	5.7	5.9	6.0	4.0	4 1	4.0	7.6	7.4	7.2
Cloudy																		5.8						
Surface 10 20.4 20.5 7.8 7.8 7.8 7.8 20.5 21.2 81.9 81.5 52.5 5.8 6.1 2.2 2.3 2.3 2.4 3.8 3.5 2.5 2.5 2.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5	7-Sep-15	Cloudy	Moderate	08:48														5.0						
Surface 10.2 Bottom 9.2 26.1 25.6 25.5 7.7 7.7 7.7 22.0 21.2 78.4 80.2 5.7 5.8 2.2 2.3 2.4 3.1 3.5 3.5	. 55	5.5.5.5						26.4		7.9		14.5		84.5		6.3		6.1	2.9			3.0		1
9-Sep-15 Sunny Moderate 10.44					10.2	Middle	5.1	25.6	25.7	7.7	7.7	22.0	21.2	78.4	80.2	5.7	5.8		2.2	2.3	2.4	3.1		3.5
12-1 Moderate 12-1 Mod						Bottom	9.2	25.5	25.8	7.7	7.7	24.4	24.0	84.4	85.3	6.0	6.1	6.1	1.8	1.9		3.3	3.4	<u> </u>
12.1 Middle 6.1 24.2 24.2 8.0 8.0 25.1 25.9 77.1 72.0 5.1 5.1 1.4 1.4 1.4 1.4 3.3 3.4 3.4 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5	9-Sep-15	Sunny	Moderate	10:44		Surface	1.0	25.0	25.0	8.1	8.1	22.4	21.4	77.7	76.0	5.7	5.6	5.4	1.3	1.4		2.7	3.3	
11-Sep-15					12.1	Middle	6.1		24.2		8.0		25.9		72.0		5.1			1.4	1.4		3.4	4.1
Surface 1.0 24.6 24.2 24.2 7.9 7.9 27.3 27.2 78.3 5.6 5.6 5.6 5.9 5.0 5.3 3.9 4.6						Bottom	11.1		23.3		8.0		31.1		70.5		5.1	5.1		1.4			5.7	
10.6 Middle 5.3 24.2 24.2 7.9 7.9 27.2 27.2 78.2 78.3 5.6 5.6 5.6 5.6 7.8 7.9 7.2 5.4 4.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8	11-Sep-15	Fine	Moderate	12:07		Surface	1.0		24.8		8.0		23.3		84.1		6.1			5.3			4.6	
Bottom 9.6 24.0 24.1 7.9 7.9 27.8 27.9 83.1 82.1 6.0 6.0 5.9 5.9 8.5 8.4 6.4 7.9 7.2					10.6	Middle	5.3		24.2		7.9		27.2		78.3		5.6	5.9	7.8	7.9	7.2		4.8	5.5
14-Sep-15						Bottom	9.6	24.2	24.1	7.9	7.9	27.8	27.9	83.1	82.1	6.0	5.9	5.9	8.5	8.4		6.4	7.2	
10.4 Middle 5.2 24.3 24.3 8.0 8.0 21.4 21.8 75.2 76.3 5.6 5.7 5.6 5.5 5.5 5.5 5.5 5.5 4.4 4.5 3.3 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5	14-Sep-15	Sunny	Moderate	13:38		Surface	1.0	24.6	24.5	8.0	8.0	19.8	20.2	76.7	77.3	5.7	5.7		5.4	5.3		3.3	3.8	
Bottom 9.4 24.2 8.0 8.0 22.1 77.4 5.7 5.8 5.5 4.4 4.4 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5					10.4	Middle	5.2	24.3	24.3	8.0	8.0	21.4	21.8	75.2	76.3	5.6	5.6	5.7	5.5	5.5	5.4	4.5	4.5	3.9
16-Sep-15 Fine Moderate 14:31 Surface 1.0 25.1 25.1 8.0 8.0 16.4 16.6 84.7 85.2 85.0 6.4 6.4 6.3 5.1 5.2 6.2 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.0 5.6 5.6 5.0 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5								24.2		8.0		22.3		77.8		5.7		5.8	5.5			3.3		
10.4 Middle 5.2 24.7 24.7 8.0 8.0 16.8 85.2 6.4 6.2 6.2 6.3 7.4 7.3 6.4 6.2 7.2 6.7 7.5 6.8 6.3 6.3 6.2 6.3 6.4 6.3 6.2 6.3 6.3 6.4 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.	16-Sep-15	Fine	Moderate	14:31														0.0						
Note 10.4 Middle 5.2 24.7 24.7 8.0 8.0 18.7 18.3 84.6 83.4 6.3 6.2 7.4 7.5 6.4 7.2 6.7					40.4													6.3			C 4			
The control of the					10.4											6.3			7.4		6.4	7.2		6.2
10.1 Surface 1.0 25.4 25.5 7.8 7.8 14.2 14.4 85.7 85.5 6.4 6.3 6.3 6.3 6.3 6.5 5.5 5.5 5.6 4.0 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 2.9 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5	10 Con 15	Fino	Madarata	45.05		Bottom	9.4	24.8		8.0		18.4		83.6		6.3	6.4	6.4	6.5			6.8	6.3	<u> </u>
Note 10.1 Middle 5.1 25.0 25.0 7.8 7.8 16.2 17.9 82.9 83.0 6.2 6.2 5.5 5.6 5.6 2.9 3.5	16-Зер-13	rille	Moderate	15.25		Surface	1.0	25.4	25.5	7.8	7.8	14.2	14.4	85.7	85.5	6.4	6.3	6.3	5.5	5.5		2.6	3.0	1
21-Sep-15 Rainy Moderate 05:26 Surface 1.0 25.7 25.7 25.7 7.8 7.8 7.8 7.8 19.8 19.6 80.8 80.6 6.1 6.0 6.0 5.7 5.7 3.9 3.8 19.6 19.6 19.6 19.6 19.6 19.6 19.6 19.6					10.1	Middle	5.1	25.0	25.0	7.8	7.8	16.2	17.9	82.9	83.0	6.2	6.2		5.5	5.6	5.6	2.9	3.5	3.4
10.6 Middle 5.3 25.5 25.5 7.8 7.8 7.8 24.8 24.5 80.0 80.3 5.8 5.8 5.8 5.8 5.8 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2						Bottom	9.1		25.0		7.8		19.6		80.6		6.0	6.0		5.7			3.8	
10.6 Middle 5.3 25.5 25.5 7.8 7.8 7.8 24.8 24.5 80.5 80.0 80.3 5.8 5.8 2.2 2.2 2.2 2.2 3.2 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	21-Sep-15	Rainy	Moderate	05:26		Surface	1.0		25.7		8.0		15.2		82.8		6.0	5.0		2.1			2.6	
					10.6	Middle	5.3		25.5		7.8		24.5		80.3		5.8	5.8		2.2	2.2		3.0	2.7
Bottom 9.6 25.6 25.3 25.4 7.8 7.8 28.8 28.6 79.6 77.5 78.6 5.7 5.6 5.6 2.3 2.3 2.4 2.4						Bottom	9.6	25.6	25.4	7.8	7.8	28.3	28.6	79.6	78.6	5.7	5.6	5.6	2.3	2.3		2.3	2.4	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS(Mf)11 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Sampling	Ter	perature (°C)	F	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissolv	red Oxygen	(mg/L)	Т	urbidity(NT	J)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth (m) Val	e Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	08:08		Surface	1.0 25 25		7.9 7.9	7.9	20.1 20.5	20.3	81.2 78.7	80.0	5.9 5.7	5.8	5.8	1.9 1.9	1.9		2.8 3.0	2.9	
				10.7	Middle	5.4 25 25		7.8 7.8	7.8	27.3 27.5	27.4	81.1 78.5	79.8	5.9 5.7	5.8	5.6	2.3 2.4	2.4	2.2	3.4 2.9	3.2	3.1
					Bottom	9.7 25 25	25.5	7.8 7.8	7.8	27.9 27.8	27.8	78.6 77.9	78.3	5.5 5.5	5.5	5.5	2.3 2.5	2.4		2.6 4.0	3.3	
25-Sep-15	Sunny	Moderate	10:56		Surface	1.0 26 26		7.9 7.9	7.9	15.8 15.9	15.8	89.1 89.6	89.4	6.6 6.2	6.4	6.3	6.2 6.3	6.3		2.6 2.5	2.6	
				11.0	Middle	5.5 25 26		7.8 7.8	7.8	24.3 21.6	22.9	86.8 88.5	87.7	5.9 6.5	6.2	0.5	6.4 6.5	6.5	6.5	2.7 3.1	2.9	2.7
					Bottom 1	0.0 25 25		7.7 7.7	7.7	29.1 28.4	28.7	81.7 78.8	80.3	5.9 5.6	5.7	5.7	6.6 6.7	6.7		2.4 2.5	2.5	
28-Sep-15	Sunny	Moderate	12:57		Surface	1.0 26 26	2h.3	8.0 8.0	8.0	16.7 15.3	16.0	75.5 75.1	75.3	5.6 5.6	5.6	5.5	8.0 7.3	7.7		4.9 4.6	4.8	
				10.2	Middle	5.1 26	26.1	8.0 8.0	8.0	18.7 19.2	19.0	74.7 74.3	74.5	5.4 5.4	5.4	5.5	8.7 8.8	8.8	8.4	4.2 4.8	4.5	4.5
					Bottom	9.2 26	26.1	8.0 8.0	8.0	19.5 18.8	19.1	75.2 76.1	75.7	5.5 5.5	5.5	5.5	9.1 8.2	8.7		4.5 3.9	4.2	
30-Sep-15	Fine	Moderate	15:09		Surface	1.0 26	26.4	7.9 7.9	7.9	19.3 18.2	18.8	82.1 83.1	82.6	6.0 6.0	6.0	5.9	10.3 10.1	10.2		6.3 5.7	6.0	
				10.5	Middle	5.3 26	26.0	7.9 7.9	7.9	18.8 21.8	20.3	80.7 81.2	81.0	5.8 5.9	5.8	5.5	10.5 10.4	10.5	10.5	6.6 5.4	6.0	6.2
					Bottom	9.5 26 26		7.9 7.9	7.9	23.8 20.4	22.1	79.2 79.9	79.6	5.8 5.8	5.8	5.8	10.7 10.9	10.8		5.9 7.4	6.7	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS4 and CS(Mf)3 are considered as upstream contol stations of mid-ebb tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS(Mf)11 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampl	ling	Tempera	ature (°C)	F	Н	Salini	ty (ppt)	DO Satu	ıration (%)	Dissol	ved Oxyger	(mg/L)	T	urbidity(NT	U)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	08:57		Surface	1.0	24.5	24.5	7.8	7.8	27.4	27.3	74.7	75.1	5.3	5.4		10.7	10.9		12.6	12.7	
				10.2	Middle	5.1	24.5 24.4	24.5	7.8 7.8	7.8	27.3 27.7	27.6	75.5 74.1	74.3	5.4 5.3	5.3	5.4	11.0 12.5	12.4	12.2	12.8 16.0	15.5	15.1
					Bottom	9.2	24.5 24.5	24.5	7.8 7.8	7.8	27.6 27.6	27.6	74.4 74.8	74.6	5.3 5.3	5.3	5.3	12.2 13.6	13.4		14.9 16.9	17.0	
					DOLLOTTI	9.2	24.4	24.5	7.8	7.0	27.7	27.0	74.3	74.0	5.3	5.5	5.5	13.1	13.4		17.1	17.0	
4-Sep-15	Sunny	Moderate	11:00		Surface	1.0	25.0 24.7	24.9	7.8 7.8	7.8	23.0 23.4	23.2	76.0 73.3	74.7	5.5 5.3	5.4	5.4	4.4 4.5	4.5		7.2 6.7	7.0	
				11.1	Middle	5.6	24.4 24.5	24.5	7.8 7.8	7.8	25.0 24.5	24.8	73.0 73.7	73.4	5.3 5.3	5.3	5.4	4.5 4.5	4.5	4.6	5.6 4.5	5.1	5.9
					Bottom	10.1	24.6 24.4	24.5	7.8 7.8	7.8	24.8 25.2	25.0	73.1 72.6	72.9	5.3 5.3	5.3	5.3	4.7 4.8	4.8		5.1	5.7	
7-Sep-15	Sunny	Moderate	16:12		Surface	1.0	26.5	26.5	7.9	7.9	10.9	10.5	83.5	84.2	6.3	6.4		7.2	7.5		3.7	4.3	
				10.3	Middle	5.2	26.4 25.4	25.4	7.9 7.8	7.8	10.1 15.5	15.5	84.8 82.0	80.1	6.5 6.2	6.0	6.2	7.8 9.0	9.4	9.0	4.9	3.9	5.0
				10.3	ivildale		25.4 25.3		7.8 7.8		15.4 16.8		78.2 86.5		5.9 6.5	6.0		9.7 9.9	9.4	9.0	3.5 6.1		5.0
					Bottom	9.3	25.3 25.2	25.3	7.8	7.8	16.6	16.7	82.9	84.7	6.2	6.3	6.3	10.2	10.1		7.5	6.8	
9-Sep-15	Sunny	Moderate	17:48		Surface	1.0	25.0 24.9	24.9	8.0 8.0	8.0	16.8 17.7	17.3	91.8 89.9	90.9	6.9 6.7	6.8		7.2 7.4	7.3		3.1 2.0	2.6	
				11.1	Middle	5.6	23.8	23.7	8.0	8.0	19.8	20.4	77.4	74.9	5.8	5.6	6.2	7.4	7.4	7.4	3.3	3.8	3.3
					Bottom	10.1	23.6 23.5	23.6	8.0 8.0	8.0	21.0 21.5	20.7	72.3 69.8	72.1	5.4 5.3	5.4	5.4	7.3 7.3	7.4		4.3 3.6	3.4	
11-Sep-15	Fine	Moderate	18:41		0(4.0	23.7 25.4	25.0	8.0 8.1	0.4	19.9 13.1	40.0	74.3 103.3	400.0	5.6 7.9			7.5 7.5			3.2 5.5	5.4	
					Surface	1.0	25.3 24.9	25.3	8.1 8.1	8.1	12.6 17.4	12.8	101.9 102.0	102.6	7.8 7.7	7.8	7.7	7.2 6.3	7.4		5.2 4.6	5.4	ļ '
				10.4	Middle	5.2	24.8	24.9	8.1	8.1	16.9	17.1	99.4	100.7	7.5	7.6		5.9	6.1	7.1	4.7	4.7	5.1
					Bottom	9.4	24.8 24.7	24.7	8.0 8.1	8.0	18.1 18.3	18.2	100.4 100.7	100.6	7.5 7.5	7.5	7.5	7.9 7.5	7.7		5.3 5.0	5.2	
14-Sep-15	Sunny	Moderate	07:00		Surface	1.0	24.3 24.3	24.3	7.9 7.9	7.9	26.5 26.6	26.5	79.0 79.7	79.4	5.7 5.7	5.7		10.3 10.5	10.4		4.5 4.2	4.4	
				10.8	Middle	5.4	24.1 24.1	24.1	7.9 7.9	7.9	28.6 28.8	28.7	78.9 77.6	78.3	5.6 5.6	5.6	5.7	10.2 10.3	10.3	10.3	5.4 4.6	5.0	4.8
					Bottom	9.8	24.2	24.1	7.9	7.9	28.8	28.9	78.1	77.7	5.6	5.5	5.5	10.2	10.2		4.7	5.0	1
16-Sep-15	Fine	Moderate	08:22				24.1 24.8		7.8 7.9		29.0 27.3		77.3 82.3	l	5.5 5.8	l		10.2			5.3 5.5	<u> </u>	
10 00 10					Surface	1.0	24.8	24.8	7.9 7.9	7.9	27.4 28.3	27.4	82.4 82.4	82.4	5.8 5.8	5.8	5.8	10.3 11.7	10.5		5.9 5.3	5.7	 -
				10.3	Middle	5.2	24.8	24.8	7.9	7.9	28.2	28.2	82.0	82.2	5.8	5.8		11.4	11.6	11.6	6.8	6.1	5.5
					Bottom	9.3	24.8 24.8	24.8	7.9 7.9	7.9	28.3 28.2	28.3	82.9 82.5	82.7	5.9 5.8	5.8	5.8	12.5 13.1	12.8		4.4 4.7	4.6	
18-Sep-15	Fine	Moderate	09:40		Surface	1.0	25.0 25.0	25.0	7.8 7.8	7.8	23.8 21.8	22.8	86.7 86.3	86.5	6.3 6.2	6.2		5.8 5.7	5.8		10.0 8.9	9.5	
				10.3	Middle	5.2	24.9	24.9	7.8	7.8	22.9	23.7	85.1	84.9	6.1	6.1	6.2	5.9	6.0	6.0	9.2	10.1	10.4
					Bottom	9.3	25.0 25.0	25.0	7.8 7.8	7.8	24.5 24.7	25.9	84.7 83.4	83.1	6.1 6.1	6.1	6.1	6.0 6.3	6.3		11.0 11.2	11.6	'
21-Sep-15	Cloudy	Moderate	13:35		Surface	1.0	24.9 25.7	25.8	7.8 8.0	8.0	27.1 11.9	11.2	82.8 85.9	87.3	6.1 6.3	6.6		6.2 2.5	2.5		11.9 3.2		
				40.0			25.8 25.6		8.0 7.9		10.4 18.8		88.7 81.6		6.8 5.9		6.3	2.5 2.6			2.3 3.6	2.8	
				10.8	Middle	5.4	25.5 25.4	25.6	7.9 7.8	7.9	19.3 21.8	19.0	83.2 78.8	82.4	6.2 5.8	6.0		2.5 2.5	2.6	2.5	2.8	3.2	2.8
					Bottom	9.8	25.4 25.4	25.4	7.8 7.8	7.8	23.7	22.8	78.8 80.7	79.8	5.8 5.9	5.9	5.9	2.5 2.5	2.5		3.0	2.5	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS(Mf)11 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampli	ing	Tempera	ature (°C)	p	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissolv	red Oxygen	(mg/L)	Т	urbidity(NTl	J)	Susper	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	16:09		Surface	1.0	26.4 26.2	26.3	8.1 8.1	8.1	16.8 16.9	16.9	86.3 90.6	88.5	6.2 6.6	6.4	6.2	3.7 3.6	3.7		6.4 6.8	6.6	
				10.6	Middle	5.3	25.6 25.8	25.7	8.0 8.0	8.0	23.0 22.5	22.8	81.9 79.8	80.9	6.0 5.7	5.9	0.2	3.5 3.5	3.5	3.6	5.6 6.8	6.2	6.1
					Bottom	9.6	25.8 25.4	25.6	8.0 8.0	8.0	25.6 26.0	25.8	77.8 76.0	76.9	5.6 5.4	5.5	5.5	3.6 3.5	3.6		5.1 5.6	5.4	
25-Sep-15	Sunny	Moderate	17:54		Surface	1.0	26.6 26.6	26.6	7.9 7.9	7.9	20.9 19.1	20.0	101.7 99.3	100.5	7.3 7.1	7.2	7.1	5.9 5.8	5.9		6.8 6.5	6.7	
				11.2	Middle	5.6	26.5 26.6	26.6	7.9 7.9	7.9	21.4 19.7	20.6	98.2 97.0	97.6	7.0 7.0	7.0	,	6.1 5.9	6.0	6.1	7.5 8.3	7.9	7.6
					Bottom	10.2	26.2 26.6	26.4	7.9 7.9	7.9	22.0 20.1	21.1	97.2 97.7	97.5	7.0 7.0	7.0	7.0	6.4 6.4	6.4		8.4 8.1	8.3	
28-Sep-15	Sunny	Moderate	06:31		Surface	1.0	26.0 26.0	26.0	8.0 8.0	8.0	26.9 26.9	26.9	74.6 75.5	75.1	5.2 5.3	5.2	5.2	8.1 8.0	8.1		4.5 4.5	4.5	
				10.3	Middle	5.2	26.0 26.0	26.0	8.0 8.0	8.0	29.3 29.3	29.3	74.9 73.9	74.4	5.2 5.1	5.1	5.2	10.9 11.0	11.0	9.8	4.9 4.6	4.8	4.5
					Bottom	9.3	26.0 26.0	26.0	8.0 8.0	8.0	29.3 29.3	29.3	75.1 76.3	75.7	5.2 5.2	5.2	5.2	10.5 10.3	10.4		4.1 4.5	4.3	
30-Sep-15	Fine	Moderate	08:12		Surface	1.0	26.1 26.2	26.1	7.8 7.8	7.8	27.1 27.0	27.0	82.3 85.9	84.1	5.7 6.0	5.8	5.7	10.3 10.2	10.3		9.8 9.9	9.9	
				10.6	Middle	5.3	26.3 26.3	26.3	7.8 7.8	7.8	27.1 27.5	27.3	79.5 80.0	79.8	5.5 5.6	5.6	5.7	10.6 10.5	10.6	10.6	9.8 10.2	10.0	14.2
					Bottom	9.6	26.1 26.2	26.2	7.8 7.8	7.8	27.4 27.3	27.3	78.5 78.6	78.6	5.5 5.5	5.5	5.5	10.9 10.8	10.9		23.3 22.0	22.7	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS6, CSA and CS(Mf)5 are considered as upstream contol stations of mid-flood tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Appendix J - Marine Water Quality Monitoring Results

Water Quality Monitoring Results at IS(Mf)16 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Sampl	ling	Tempera	ature (°C)	ŗ	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissolv	ed Oxygen	(mg/L)	Ti	urbidity(NT	U)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	14:53		Surface	1.0	26.9 27.0	27.0	8.1 8.1	8.1	29.0 29.0	29.0	91.4 85.0	88.2	6.2 5.7	5.9		9.5 9.6	9.6		7.7 7.6	7.7	
				6.3	Middle	3.2	26.8	26.7	8.1	8.1	29.9	30.0	80.9	82.6	5.4	5.6	5.8	9.6	9.6	9.6	7.0	7.9	7.9
					Bottom	5.3	26.7	26.7	8.1	8.1	30.1 30.6	30.5	84.3	81.2	5.7	5.5	5.5	9.6 9.6	9.6		8.7	8.1	l
4-Sep-15	Sunny	Moderate	16:33				26.7 27.8		8.0 8.0		30.4 28.2		78.7 80.7		5.3 5.8			9.6 8.3			7.6 5.9		
4-3ep-13	Sumiy	ivioderate	10.33		Surface	1.0	27.9	27.8	8.0	8.0	28.1	28.2	82.6	81.7	5.9	5.8	5.7	7.6	8.0		6.3	6.1	1
				6.5	Middle	3.3	26.8 26.7	26.8	8.0 8.0	8.0	29.6 29.8	29.7	76.2 76.3	76.3	5.5 5.5	5.5		9.0 8.9	9.0	8.7	6.1 5.7	5.9	5.9
					Bottom	5.5	26.5 26.5	26.5	7.9 8.0	8.0	31.3 31.4	31.3	77.8 79.3	78.6	5.6 5.7	5.6	5.6	9.4 8.8	9.1		5.1 6.3	5.7	
7-Sep-15	Cloudy	Moderate	08:47		Surface	1.0	29.3 29.4	29.3	8.0 8.0	8.0	19.1 19.5	19.3	85.1 83.8	84.5	5.9 5.8	5.8		5.1 4.9	5.0		5.1 4.0	4.6	
				6.4	Middle	3.2	29.1 29.0	29.0	8.0 8.0	8.0	20.2 19.5	19.8	76.4 81.5	79.0	5.3 5.6	5.4	5.6	5.4 5.3	5.4	5.3	2.5	3.2	3.7
					Bottom	5.4	29.0	28.8	7.9	7.9	25.3	24.8	80.8	78.1	5.6	5.3	5.3	5.5	5.5		3.0	3.2	1
9-Sep-15	Sunny	Moderate	10:59		0(1.0	28.6 27.8	27.8	7.9 8.0	8.0	24.3 25.0	05.4	75.4 84.8	87.0	5.1 6.1			5.4 7.2	7.0		3.3		
	,				Surface	-	27.8 26.7		8.1 8.1		25.3 29.4	25.1	89.1 72.8		6.4 5.2	6.3	5.8	7.4 7.0	7.3		4.2	3.8	
				6.1	Middle	3.1	26.7 26.5	26.7	8.0	8.0	30.0	29.7	71.2 68.4	72.0	5.1 5.0	5.2		6.7 8.5	6.9	7.6	3.8	4.3	3.8
					Bottom	5.1	26.5	26.5	8.0	8.0	30.8	30.8	67.7	68.1	4.9	4.9	4.9	8.8	8.7		3.6	3.2	
11-Sep-15	Fine	Moderate	12:23		Surface	1.0	27.5 27.5	27.5	8.3 8.3	8.3	29.4 29.4	29.4	100.0 98.0	99.0	6.7 6.6	6.6	6.2	6.4 6.5	6.5		5.3 3.6	4.5	
				6.2	Middle	3.1	27.1 27.1	27.1	8.2 8.2	8.2	30.3 30.4	30.3	87.2 86.6	86.9	5.8 5.8	5.8	0.2	6.5 6.4	6.5	6.5	4.8 5.5	5.2	6.3
					Bottom	5.2	26.5 26.5	26.5	8.1 8.2	8.2	32.6 32.7	32.7	85.0 85.9	85.5	5.7 5.8	5.7	5.7	6.4 6.3	6.4		9.1 9.0	9.1	1
14-Sep-15	Sunny	Moderate	13:25		Surface	1.0	27.6	27.4	7.8	7.8	28.6	28.8	94.6	94.8	6.3	6.3		5.3	5.3		5.1	5.1	
				0.5			27.3 27.4		7.8 7.8		28.9 28.7		95.0 93.1		6.4		6.3	5.3 5.4		- 1	5.0 4.2		
				6.5	Middle	3.3	27.4 27.4	27.4	7.8	7.8	28.8	28.7	92.9 91.1	93.0	6.2	6.2		5.4 5.5	5.4	5.4	4.7 5.7	4.5	5.0
					Bottom	5.5	27.4	27.4	7.9	7.8	28.8	28.8	91.1	91.1	6.1	6.1	6.1	5.4	5.5		5.0	5.4	
16-Sep-15	Fine	Moderate	14:15		Surface	1.0	27.5 27.7	27.6	8.2 8.2	8.2	32.5 32.1	32.3	91.2 84.9	88.1	6.0 5.6	5.8	5.7	6.8 6.7	6.8		11.7 13.0	12.4	
				6.1	Middle	3.1	27.4 27.4	27.4	8.2 8.2	8.2	33.2 32.7	33.0	84.6 86.1	85.4	5.5 5.7	5.6	5.7	6.8 6.9	6.9	6.8	6.8 6.1	6.5	8.1
					Bottom	5.1	27.4 27.5	27.5	8.2 8.2	8.2	33.7 33.6	33.6	84.9 82.7	83.8	5.6 5.4	5.5	5.5	6.8 6.8	6.8		4.9 5.8	5.4	1
18-Sep-15	Fine	Moderate	15:14		Surface	1.0	28.1	28.2	8.2	8.2	31.4	31.4	83.5	84.2	5.5	5.5		5.5	5.5		5.0	5.4	
				6.1	Middle	3.1	28.2 27.7	27.7	8.2 8.2	8.2	31.3 32.0	32.0	84.9 83.0	83.2	5.6 5.4	5.4	5.5	5.4 5.5	5.5	5.5	5.7 5.5	5.9	5.7
				0.1			27.7 27.6		8.2 8.2		32.0 33.3		83.3 81.6		5.5 5.4		F 4	5.4 5.3		0.5	6.2		0.7
21-Sep-15	Rainy	Moderate	05:44		Bottom	5.1	27.7 28.5	27.6	8.2 8.2	8.2	33.3 21.4	33.3	81.5 90.6	81.6	5.4 6.2	5.4	5.4	5.5 3.4	5.4		5.2 2.5	5.8	
21-06p-13	ixaiiiy	Moderate	00.44		Surface	1.0	28.5	28.5	8.2	8.2	21.5	21.5	91.2	90.9	6.3	6.2	6.1	3.1 4.5	3.3		2.1	2.3	
				6.3	Middle	3.2	28.5 28.5	28.5	8.1 8.1	8.1	22.7 22.5	22.6	83.8 88.2	86.0	5.7 6.1	5.9		4.2	4.4	4.1	3.1 2.5	2.8	2.6
					Bottom	5.3	28.3 28.6	28.4	8.1 8.1	8.1	28.8 29.3	29.1	84.5 87.1	85.8	5.6 5.7	5.7	5.7	4.6 4.6	4.6		2.9 2.3	2.6	İ
<u> </u>		·	·				20.0		0.1		20.0		07.1		0.7			7.0			2.0		

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS(Mf)16 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Samp	ling	Tempera	ature (°C)	F	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NT	J)	Suspe	nded Solid	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	09:06		Surface	1.0	28.4 28.4	28.4	8.2 8.2	8.2	25.2 24.8	25.0	81.2 81.3	81.3	5.5 5.5	5.5	5.4	2.8 2.9	2.9		5.2 5.5	5.4	
				6.4	Middle	3.2	28.4 28.4	28.4	8.2 8.2	8.2	26.9 26.4	26.6	77.8 78.8	78.3	5.2 5.3	5.3	0.4	3.4 3.3	3.4	3.4	4.7 4.8	4.8	5.1
					Bottom	5.4	28.3 28.3	28.3	8.1 8.1	8.1	30.0 29.7	29.9	79.9 78.5	79.2	5.3 5.2	5.2	5.2	4.0 3.9	4.0		5.1 5.3	5.2	
25-Sep-15	Sunny	Moderate	10:48		Surface	1.0	29.4 29.4	29.4	8.3 8.2	8.3	23.8 23.9	23.8	91.5 88.0	89.8	6.1 5.9	6.0	5.9	5.7 5.5	5.6		3.5 4.1	3.8	
				6.2	Middle	3.1	29.0 29.1	29.1	8.2 8.2	8.2	24.9 24.8	24.9	86.2 91.2	88.7	5.7 5.9	5.8	0.0	5.5 5.6	5.6	5.6	4.1 3.6	3.9	3.9
					Bottom	5.2	28.8 29.4	29.1	8.2 8.2	8.2	29.4 29.1	29.2	82.3 88.0	85.2	5.5 5.9	5.7	5.7	5.5 5.8	5.7		3.0 4.8	3.9	
28-Sep-15	Sunny	Moderate	12:24		Surface	1.0	29.1 29.1	29.1	8.2 8.2	8.2	30.0 30.1	30.0	84.7 85.4	85.1	5.9 5.9	5.9	5.9	6.0 6.1	6.1		4.2 3.8	4.0	
				6.3	Middle	3.2	29.0 29.0	29.0	8.2 8.2	8.2	31.1 30.6	30.8	83.7 84.0	83.9	5.8 5.8	5.8	5.9	6.1 5.8	6.0	6.1	5.5 5.0	5.3	4.8
					Bottom	5.3	28.8 28.9	28.9	8.2 8.2	8.2	32.7 32.8	32.8	83.9 84.6	84.3	5.8 5.8	5.8	5.8	6.1 6.1	6.1		5.0 5.3	5.2	
30-Sep-15	Fine	Moderate	13:55		Surface	1.0	29.2 29.4	29.3	8.2 8.2	8.2	31.4 31.1	31.3	87.5 89.4	88.5	5.7 5.9	5.8	5.8	9.3 8.9	9.1		6.8 6.7	6.8	
				6.2	Middle	3.1	29.1 29.0	29.0	8.2 8.2	8.2	32.0 32.0	32.0	85.2 88.8	87.0	5.6 5.8	5.7	3.6	12.3 12.2	12.3	11.3	6.9 7.8	7.4	7.2
					Bottom	5.2	29.1 28.9	29.0	8.2 8.2	8.2	32.8 32.8	32.8	84.2 85.0	84.6	5.5 5.6	5.6	5.6	12.7 12.2	12.5		7.2 7.7	7.5	
31-Dec-15	0	0	0		Surface	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0	0.0 0.0	0.0	_	0.0 0.0	0.0	
				1.0	Middle	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0	0.0 0.0	0.0	0.0	0.0	0.0	0.0
					Bottom	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0	0.0 0.0	0.0		0.0 0.0	0.0	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS4 and CS(Mf)3 are considered as upstream control stations of mid-ebb tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS(Mf)16 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Samp	ling	Tempera	ature (°C)	p	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissolv	ed Oxyger	(mg/L)	Т	urbidity(NTl	J)	Suspe	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	09:11		Surface	1.0	27.0 27.0	27.0	8.0 8.0	8.0	28.6 28.7	28.6	80.9 78.2	79.6	5.5 5.3	5.4		10.2 10.5	10.4		7.8 7.3	7.6	
				6.2	Middle	3.1	27.0 27.0	27.0	8.0 8.0	8.0	28.9 29.0	28.9	77.9 78.7	78.3	5.3 5.3	5.3	5.4	10.2 10.1	10.2	10.3	8.2 7.8	8.0	8.4
					Bottom	5.2	26.9 27.0	27.0	8.0 8.0	8.0	29.2 29.1	29.2	78.4 77.8	78.1	5.3 5.2	5.3	5.3	10.1	10.2		9.7 9.5	9.6	
4-Sep-15	Sunny	Moderate	11:15		Surface	1.0	27.5	27.5	8.0	8.0	26.1	26.1	78.4	78.0	5.7	5.6		8.1	8.4		6.3	6.5	
				6.4	Middle	3.2	27.4 27.2	27.2	8.0	8.0	26.1 26.7	26.6	77.5 78.6	78.0	5.6 5.7	5.7	5.7	8.6 10.7	10.3	9.8	6.7 8.1	7.8	7.7
				0.4			27.2 27.3		8.0		26.5 26.5		77.3 77.8		5.6 5.6			9.8 11.0		3.0	7.5 9.3		7.7
7-Sep-15	Sunny	Moderate	15:46		Bottom	5.4	27.1 29.2	27.2	8.0 8.1	8.0	26.9 17.3	26.7	80.1 89.5	79.0	5.8 6.2	5.7	5.7	10.4 5.5	10.7		8.2 3.7	8.8	
7-оер-13	Guilly	Woderate	13.40		Surface	1.0	29.2	29.2	8.1 8.1	8.1	17.5 17.6	17.4	92.2 88.4	90.9	6.4	6.3	6.2	5.5 5.6	5.5		3.1 4.0	3.4	
				6.2	Middle	3.1	29.0	29.1	8.0	8.1	18.2	17.9	89.7	89.1	6.1	6.1		5.6	5.6	5.6	4.4	4.2	3.8
					Bottom	5.2	28.9 29.2	29.1	8.0 8.1	8.0	24.0 23.2	23.6	83.5 91.3	87.4	5.8 6.2	6.0	6.0	5.6 5.6	5.6		3.6 3.7	3.7	
9-Sep-15	Sunny	Moderate	17:24		Surface	1.0	27.6 27.6	27.6	8.1 8.0	8.1	26.4 26.3	26.4	92.9 94.3	93.6	6.3 6.4	6.4	6.2	5.5 5.2	5.4		4.5 4.7	4.6	
				6.2	Middle	3.1	27.2 27.2	27.2	8.1 8.0	8.0	27.6 27.5	27.6	87.8 87.2	87.5	6.0 5.9	6.0	0.2	5.8 6.0	5.9	6.3	5.7 6.4	6.1	5.0
					Bottom	5.2	27.2 27.2	27.2	8.1 7.9	8.0	27.7 27.6	27.7	92.3 92.5	92.4	6.3	6.3	6.3	7.7 7.3	7.5		4.3 4.4	4.4	
11-Sep-15	Fine	Moderate	18:06	1	Surface	1.0	27.9 27.8	27.9	8.3 8.3	8.3	27.7 27.9	27.8	112.3 104.1	108.2	7.6 7.0	7.3		11.5 11.3	11.4		6.5 7.5	7.0	
				6.5	Middle	3.3	27.2	27.3	8.3	8.3	29.4	29.4	92.2	92.5	6.1	6.2	6.8	11.1	11.2	11.3	5.5	5.7	6.3
					Bottom	5.5	27.3 26.6	26.7	8.3 8.2	8.2	29.3 32.7	32.8	92.8 91.4	88.7	6.2 6.1	6.0	6.0	11.2 11.5	11.4		5.8 6.9	6.1	
14-Sep-15	Sunny	Moderate	07:11		Surface	1.0	26.7 26.9	26.9	8.2 7.8	7.8	32.9 29.4	29.5	86.0 89.0	88.4	5.8 6.0	5.9		11.2 4.8	4.9		5.3 3.4	3.1	
				6.6		3.3	26.9 26.9	26.9	7.8 7.8	7.8	29.5 29.6	29.7	87.8 87.5	86.8	5.9 5.9	5.8	5.9	4.9 5.0	5.1	5.1	2.8 3.7	4.2	4.0
				0.0	Middle		26.8 26.9		7.8 7.8		29.9 30.2		86.0 85.0		5.8 5.7			5.1 5.2	+	5.1	4.7 5.1		4.0
16-Sep-15	Fine	Moderate	08:29		Bottom	5.6	26.9 27.4	26.9	7.8	7.8	31.5 31.2	30.9	83.5 83.8	84.3	5.6 5.6	5.6	5.6	5.3	5.3		4.5	4.8	
10-Зер-13	rine	Woderate	00.29		Surface	1.0	27.4	27.4	8.2	8.2	31.2	31.2	80.9	82.4	5.4	5.5	5.5	10.8	10.8		4.6	4.3	
				6.3	Middle	3.2	27.4 27.4	27.4	8.1 8.1	8.1	32.1 32.2	32.1	81.6 80.4	81.0	5.4 5.3	5.4		11.5 11.2	11.4	11.2	5.0 4.4	4.7	4.5
					Bottom	5.3	27.4 27.4	27.4	8.2 8.1	8.2	32.2 32.0	32.1	81.5 80.3	80.9	5.4 5.3	5.4	5.4	11.6 11.4	11.5		4.2 5.0	4.6	
18-Sep-15	Fine	Moderate	09:55		Surface	1.0	27.7 27.7	27.7	8.1 8.1	8.1	29.1 29.1	29.1	81.4 81.6	81.5	5.4 5.4	5.4	<i></i>	6.4 6.2	6.3		2.7 3.7	3.2	
				6.1	Middle	3.1	27.5 27.6	27.6	8.1 8.1	8.1	30.3 30.3	30.3	81.0 81.5	81.3	5.4 5.4	5.4	5.4	7.2 7.1	7.2	6.9	3.5	3.4	3.2
					Bottom	5.1	27.6 27.5	27.6	8.1 8.1	8.1	30.4 30.5	30.5	80.7 80.3	80.5	5.4 5.4	5.4	5.4	7.2	7.1		3.3	3.0	
21-Sep-15	Cloudy	Moderate	13:18		Surface	1.0	28.5	28.5	8.2	8.2	21.5	21.5	88.2	88.6	6.1	6.1		2.8	2.9		4.2	4.2	
				6.2	Middle	3.1	28.5 28.4	28.4	8.2 8.1	8.2	21.5 22.9	22.8	88.9 87.5	88.2	6.1 6.0	6.0	6.1	2.9	2.8	2.8	2.7	2.5	3.7
				0.2	Bottom	5.2	28.4 28.4	28.4	8.2 8.1	8.1	22.8 24.6	24.5	88.8 88.8	92.0	6.1 6.0	6.2	6.2	2.9 2.8	2.8	2.0	2.3 4.6	4.4	J.,
					DUILUITI	ე.∠	28.4	∠0.4	8.1	0.1	24.5	24.5	95.1	92.0	6.5	0.2	0.2	2.7	∠.ŏ		4.1	4.4	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS(Mf)16 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Samp	ling	Temper	ature (°C)	t	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NT	J)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	15:51		Surface	1.0	28.9 28.8	28.9	8.3 8.3	8.3	24.6 25.0	24.8	94.6 90.1	92.4	6.4 6.1	6.2	6.0	4.4 4.4	4.4		4.6 5.3	5.0	
				6.3	Middle	3.2	28.4 28.4	28.4	8.2 8.2	8.2	27.5 27.4	27.4	85.4 88.1	86.8	5.7 5.9	5.8	0.0	4.3 4.4	4.4	4.3	4.5 4.3	4.4	5.0
					Bottom	5.3	28.5 28.5	28.5	8.2 8.2	8.2	29.3 29.2	29.3	92.2 93.1	92.7	6.1 6.2	6.1	6.1	4.2 3.8	4.0		5.8 5.6	5.7	
25-Sep-15	Sunny	Moderate	17:12		Surface	1.0	29.8 29.8	29.8	8.3 8.3	8.3	21.9 21.8	21.9	107.7 105.1	106.4	7.2 7.1	7.2	7.0	7.6 7.7	7.7		3.3 2.8	3.1	
				6.4	Middle	3.2	29.6 29.4	29.5	8.3 8.3	8.3	22.3 22.7	22.5	105.3 98.0	101.7	7.0 6.6	6.8	7.0	7.4 7.5	7.5	7.5	4.6 4.5	4.6	4.1
					Bottom	5.4	29.4 29.6	29.5	8.3 8.3	8.3	24.0 24.0	24.0	99.8 102.1	101.0	6.7 6.9	6.8	6.8	7.5 7.3	7.4		4.5 4.6	4.6	
28-Sep-15	Sunny	Moderate	06:39		Surface	1.0	29.0 28.9	29.0	8.2 8.2	8.2	29.3 29.2	29.3	84.9 85.3	85.1	5.9 5.9	5.9	5.9	6.6 6.7	6.7		3.4 2.8	3.1	
				6.1	Middle	3.1	29.0 28.9	28.9	8.2 8.2	8.2	29.5 29.4	29.5	84.2 83.2	83.7	5.9 5.8	5.8	5.8	7.4 7.5	7.5	7.1	2.2 3.4	2.8	2.8
					Bottom	5.1	28.9 28.9	28.9	8.2 8.2	8.2	30.8 30.8	30.8	85.0 84.0	84.5	5.9 5.8	5.8	5.8	7.2 7.2	7.2		2.3 2.6	2.5	
30-Sep-15	Fine	Moderate	07:52		Surface	1.0	28.9 28.8	28.9	8.1 8.1	8.1	29.7 29.9	29.8	83.3 91.7	87.5	5.6 6.1	5.8	5.7	15.8 16.1	16.0		10.1 11.7	10.9	
				6.2	Middle	3.1	28.8 28.9	28.9	8.1 8.1	8.1	30.0 29.9	29.9	84.2 82.9	83.6	5.6 5.5	5.6	5.7	16.2 15.8	16.0	16.0	11.7 11.6	11.7	11.3
					Bottom	5.2	28.8 28.8	28.8	8.1 8.1	8.1	30.0 30.0	30.0	85.6 82.5	84.1	5.7 5.5	5.6	5.6	16.2 16.0	16.1		11.8 10.6	11.2	
31-Dec-15	0	0	0		Surface	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0	0.0 0.0	0.0		0.0 0.0	0.0	
				1.0	Middle	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0	0.0 0.0	0.0	0.0	0.0 0.0	0.0	0.0
					Bottom	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0	0.0 0.0	0.0		0.0 0.0	0.0	

Remarks

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS6, CSA and CS(Mf)5 are considered as upstream contol stations of mid-flood tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS5 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Sampl	ling	Tempera	ature (°C)	ŗ	Н	Salini	ty (ppt)	DO Satu	ıration (%)	Dissolv	red Oxygen	(mg/L)	T	urbidity(NT	U)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	14:11		Surface	1.0	26.8 26.8	26.8	8.0 8.0	8.0	29.1 29.1	29.1	82.7 82.9	82.8	5.6 5.6	5.6		22.4 22.7	22.6		18.8 19.6	19.2	
				8.4	Middle	4.2	26.8	26.8	8.0	8.0	29.1	29.1	82.9	82.8	5.6	5.6	5.6	22.5	22.4	22.5	21.6	21.7	20.9
					Bottom	7.4	26.8 26.8	26.8	8.0 8.0	8.0	29.1 29.1	29.1	82.6 82.6	82.6	5.6 5.6	5.6	5.6	22.3 22.6	22.6		21.8 21.6	21.7	1
4.0 45	C	Madazata	45.07				26.8 27.9		8.0 8.0	1	29.1 29.7		82.5 85.9	1	5.6 6.1			9.3		l	21.8 8.9		
4-Sep-15	Sunny	Moderate	15:37		Surface	1.0	28.0	27.9	8.0	8.0	29.8	29.8	86.9	86.4	6.1	6.1	6.1	8.7	9.0		8.3	8.6	
				8.7	Middle	4.4	27.5 27.5	27.5	8.0 8.0	8.0	29.8 30.0	29.9	84.3 85.1	84.7	6.0 6.0	6.0		10.6 10.0	10.3	9.7	9.4 8.5	9.0	9.0
					Bottom	7.7	27.6 27.5	27.6	8.0 8.0	8.0	29.9 29.7	29.8	86.0 85.4	85.7	6.1 6.1	6.1	6.1	9.7 10.0	9.9		8.8 10.1	9.5	
7-Sep-15	Cloudy	Moderate	09:41		Surface	1.0	29.4 29.4	29.4	8.1 8.1	8.1	19.5 19.5	19.5	82.1 82.6	82.4	5.6 5.7	5.7		5.5 5.4	5.5		3.4 3.7	3.6	
				8.6	Middle	4.3	28.7	28.0	8.0	8.0	25.3	26.4	75.4	76.3	5.1	5.2	5.5	5.5	5.5	5.5	4.9	4.6	4.1
					Bottom	7.6	27.3 27.1	27.1	8.0	8.0	27.4 28.7	28.7	77.2 75.7	74.5	5.2 5.1	5.0	5.0	5.4 5.6	5.6		4.3	4.2	
9-Sep-15	Sunny	Moderate	12:04				27.0 27.4		8.0 8.0		28.7 25.2		73.2 85.8		5.0 6.2			5.5 6.6			4.1 5.0		
3 OCP 10	Guilly	Woderate	12.04		Surface	1.0	27.5	27.5	8.0	8.0	24.9	25.0	86.4 77.6	86.1	6.3 5.6	6.2	5.9	6.4 9.8	6.5		4.7	4.9	
				8.3	Middle	4.2	26.2	26.3	8.0 8.0	8.0	29.3	29.2	77.2	77.4	5.6	5.6		10.2	10.0	8.9	7.2	6.8	6.5
					Bottom	7.3	26.1 26.1	26.1	8.0 8.0	8.0	31.2 31.2	31.2	83.2 84.3	83.8	6.0 6.1	6.0	6.0	10.3 9.8	10.1		7.9 7.9	7.9	
11-Sep-15	Fine	Moderate	13:12		Surface	1.0	27.5 27.6	27.5	8.2 8.2	8.2	27.1 27.0	27.1	87.4 88.7	88.1	5.9 6.0	6.0	5.7	8.9 9.2	9.1		7.8 7.1	7.5	
				8.2	Middle	4.1	26.9 26.8	26.9	8.2 8.1	8.2	29.1 30.6	29.9	77.6 79.9	78.8	5.2 5.4	5.3	5.7	9.4 9.5	9.5	9.4	7.5 6.7	7.1	7.4
					Bottom	7.2	26.8 26.8	26.8	8.2 8.2	8.2	30.9 30.9	30.9	73.9 74.4	74.2	5.0 5.0	5.0	5.0	9.5 9.6	9.6		7.7 7.3	7.5	1
14-Sep-15	Sunny	Moderate	12:48		Surface	1.0	27.3	27.3	7.9	7.9	28.5	28.6	90.4	90.0	6.1	6.0		6.6	6.7		6.1	5.7	
							27.3 27.3		7.9 7.9		28.7 28.8		89.5 87.7		6.0 5.9		6.0	6.7 6.9			5.3 4.2		
				8.1	Middle	4.1	27.2 27.4	27.3	7.9 7.9	7.9	28.8 28.5	28.8	89.5 86.2	88.6	6.0 5.8	5.9		6.8	6.9	6.9	4.3	4.3	4.7
					Bottom	7.1	27.3	27.3	7.9	7.9	28.7	28.6	87.5	86.9	5.9	5.8	5.8	7.2	7.1		4.0	4.2	
16-Sep-15	Fine	Moderate	13:31		Surface	1.0	27.8 27.8	27.8	8.2 8.3	8.3	31.8 31.5	31.7	86.3 86.5	86.4	5.7 5.7	5.7	5.7	12.5 12.6	12.6		13.8 12.5	13.2	
				8.7	Middle	4.4	27.8 27.8	27.8	8.3 8.2	8.3	31.5 31.9	31.7	85.9 85.7	85.8	5.7 5.6	5.7	5.7	13.1 12.7	12.9	12.9	11.9 11.2	11.6	12.3
					Bottom	7.7	27.8 27.8	27.8	8.3 8.3	8.3	31.6 31.9	31.8	86.0 86.1	86.1	5.7 5.7	5.7	5.7	13.2	13.3		11.7 12.4	12.1	1
18-Sep-15	Fine	Moderate	14:31		Surface	1.0	28.2	28.2	8.2	8.2	32.7	32.6	86.7	86.8	5.6	5.7		9.8	9.8		6.4	6.7	
				8.2	Middle	4.1	28.2 28.1	28.0	8.2 8.2	8.2	32.5 32.8	32.7	86.9 86.4	86.7	5.7 5.6	5.6	5.7	9.8	10.6	10.3	7.0 6.2	6.5	6.5
				0.2			28.0		8.2 8.2	-	32.6 32.6		87.0 86.0		5.7 5.6			10.6 10.5		10.3	6.7		0.0
21 Con 15	Boiny	Moderate	06:36		Bottom	7.2	28.1	28.0	8.2	8.2	32.7	32.6	85.8	85.9	5.6	5.6	5.6	10.4	10.5	<u> </u>	5.9	6.2	
21-Sep-15	Rainy	Moderate	06:36		Surface	1.0	28.5 28.4	28.5	8.2 8.2	8.2	23.4	23.1	83.8 83.5	83.7	5.7 5.7	5.7	5.5	8.0 8.4	8.2		6.6 6.4	6.5	1
				8.2	Middle	4.1	28.2 28.2	28.2	8.2 8.2	8.2	29.3 29.0	29.1	80.7 80.4	80.6	5.4 5.3	5.3		10.5 9.7	10.1	9.2	8.4 8.0	8.2	7.8
					Bottom	7.2	28.2 28.1	28.1	8.1 8.1	8.1	33.2 31.2	32.2	84.6 87.7	86.2	5.5 5.8	5.6	5.6	9.9 8.9	9.4		8.6 8.5	8.6	ĺ
					1		20.1		0.1		J1.2		01.1	1	5.0			0.0			. 0.0		

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS5 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Samplin	ng	Tempera	ature (°C)	F	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NT	U)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth (r	m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	10:08		Surface	1.0	28.5 28.6	28.6	8.3 8.2	8.2	23.2 23.3	23.2	82.7 86.7	84.7	5.6 5.9	5.8	5.5	7.1 7.7	7.4		3.5 4.3	3.9	
				8.2	Middle	4.1	28.2 28.2	28.2	8.2 8.2	8.2	31.7 31.6	31.6	78.7 79.2	79.0	5.2 5.2	5.2	3.3	10.1 10.3	10.2	9.8	4.7 4.1	4.4	4.3
					Bottom	7.2	28.2 28.3	28.2	8.2 8.1	8.2	33.4 33.6	33.5	84.0 84.1	84.1	5.5 5.4	5.4	5.4	11.4 11.9	11.7		4.3 5.0	4.7	
25-Sep-15	Sunny	Moderate	11:39		Surface	1.0	29.5 29.4	29.5	8.3 8.3	8.3	22.3 22.9	22.6	89.4 89.8	89.6	6.0 6.1	6.0	5.7	10.4 10.2	10.3		6.4 6.7	6.6	
				8.6	Middle	4.3	28.5 28.6	28.5	8.2 8.2	8.2	31.3 27.9	29.6	85.1 79.2	82.2	5.5 5.2	5.3	0.7	10.6 10.3	10.5	10.4	8.1 7.3	7.7	7.3
					Bottom	7.6	28.7 28.4	28.6	8.2 8.2	8.2	31.4 31.6	31.5	76.9 75.0	76.0	5.0 5.0	5.0	5.0	10.5 10.2	10.4		6.8 8.1	7.5	
28-Sep-15	Sunny	Moderate	11:36		Surface	1.0	29.3 29.2	29.3	8.2 8.2	8.2	29.0 29.0	29.0	77.7 77.4	77.6	5.1 5.1	5.1	5.1	11.2 11.6	11.4		6.3 7.2	6.8	
				8.8	Middle	4.4	29.2 29.2	29.2	8.2 8.2	8.2	29.2 29.1	29.1	76.9 77.0	77.0	5.0 5.0	5.0	5.1	12.0 12.3	12.2	12.0	8.7 8.2	8.5	8.0
					Bottom	7.8	29.2 29.2	29.2	8.2 8.2	8.2	29.2 29.1	29.2	77.6 77.4	77.5	5.1 5.1	5.1	5.1	12.2 12.4	12.3		8.2 8.9	8.6	
30-Sep-15	Fine	Moderate	13:10		Surface	1.0	29.0 29.0	29.0	8.2 8.2	8.2	33.2 33.2	33.2	84.6 84.5	84.6	5.5 5.5	5.5	5.5	19.1 19.4	19.3		20.8 19.1	20.0	
				8.4	Middle	4.2	29.0 29.0	29.0	8.2 8.2	8.2	33.2 33.2	33.2	84.4 84.7	84.6	5.5 5.5	5.5	5.5	19.3 19.4	19.4	19.3	22.2 21.0	21.6	21.9
					Bottom	7.4	29.0 29.0	29.0	8.2 8.2	8.2	33.2 33.2	33.2	84.6 84.3	84.5	5.5 5.5	5.5	5.5	19.5 18.9	19.2		25.2 23.1	24.2	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS4 and CS(Mf)3 are considered as upstream contol stations of mid-ebb tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Appendix J - Marine Water Quality Monitoring Results

Water Quality Monitoring Results at IS5 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampl	ling	Tempera	ature (°C)	F	Н	Salini	ty (ppt)	DO Satu	ıration (%)	Dissol	ved Oxygen	(mg/L)	T	urbidity(NT	U)	Suspe	nded Solids	(mg/L) د
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	09:58		Surface	1.0	26.9 26.9	26.9	8.1	8.1	30.0 30.0	30.0	84.4 81.6	83.0	5.7	5.6		16.5	16.4		15.0 15.0	15.0	
				8.7	Middle	4.4	26.9	26.9	8.1 8.1	8.1	30.0	30.0	82.2	81.9	5.5 5.5	5.5	5.6	16.2 16.3	16.2	16.3	15.2	15.2	15.6
					Bottom	7.7	26.9 26.9	26.9	8.1 8.1	8.1	30.0 30.0	30.0	81.5 81.9	81.6	5.5 5.5	5.5	5.5	16.1 16.2	16.2		15.1 16.9	16.7	-
					DOLLOTTI	1.1	26.9	26.9	8.1	0.1	30.0	30.0	81.3	01.0	5.5	5.5	5.5	16.2	10.2		16.4	10.7	
4-Sep-15	Sunny	Moderate	12:07		Surface	1.0	27.6 27.6	27.6	8.0 8.0	8.0	27.7 27.8	27.8	85.1 84.9	85.0	6.1 6.1	6.1	6.1	6.4 6.8	6.6		7.6 7.3	7.5	
				8.7	Middle	4.4	27.2 27.2	27.2	8.0 8.0	8.0	28.2 28.2	28.2	83.5 83.5	83.5	6.0 6.0	6.0	0.1	7.7 7.8	7.8	7.3	6.3 5.3	5.8	6.4
					Bottom	7.7	27.4 27.2	27.3	8.0 8.0	8.0	28.0 28.2	28.1	84.8 84.3	84.6	6.1 6.0	6.1	6.1	7.3 7.6	7.5		6.1 5.5	5.8	
7-Sep-15	Sunny	Moderate	14:56		Surface	1.0	29.3	29.3	8.1	8.1	19.3	19.3	87.1	85.8	6.0	5.9		7.5	7.6		4.9	4.6	
				8.7			29.3 28.9		8.1 8.0	8.0	19.3 20.8		84.5 78.7		5.8 5.3		5.6	7.7			4.2 2.4		0.5
				8.7	Middle	4.4	29.0	28.9	8.0	8.0	21.2	21.0	78.6	78.7	5.3	5.3		7.8	7.7	7.7	3.0 2.9	2.7	3.5
					Bottom	7.7	28.7 28.5	28.6	8.0 8.0	8.0	25.0 25.3	25.1	75.1 74.5	74.8	5.2 5.1	5.1	5.1	7.6 7.7	7.7		3.3	3.1	
9-Sep-15	Sunny	Moderate	16:24		Surface	1.0	28.5 28.4	28.4	8.0 7.9	8.0	24.0 24.0	24.0	91.2 87.9	89.6	6.2 6.0	6.1		10.5 10.9	10.7		6.5 7.2	6.9	
				8.1	Middle	4.1	27.5	27.5	7.9	8.0	26.9	27.0	78.0	76.7	5.3	5.2	5.7	12.3	12.2	12.0	19.4	19.5	15.1
					Bottom	7.1	27.5 27.0	26.9	8.0 8.0	7.9	27.0 28.5	28.5	75.3 81.2	80.8	5.1 5.5	5.5	5.5	12.1 13.3	13.0		19.6 18.5	18.9	-
11 Con 15	Fine	Moderate	17:21		Bollom	7.1	26.9 28.1	20.9	7.9 8.4	7.5	28.5 29.7	20.5	80.4 109.5	00.0	5.4	3.3	3.3	12.7 10.3	13.0		19.3 10.4	10.9	
11-Sep-15	FINE	ivioderate	17.21		Surface	1.0	28.1	28.1	8.4	8.4	29.7	29.7	111.1	110.3	7.2 7.4	7.3	6.9	10.5	10.4		12.2	11.3	<u> </u>
				8.4	Middle	4.2	27.4 27.4	27.4	8.3 8.3	8.3	31.1 30.5	30.8	97.8 98.8	98.3	6.5 6.6	6.5		10.4 10.2	10.3	10.3	11.1 12.4	11.8	11.7
					Bottom	7.4	27.1 27.6	27.3	8.3 8.4	8.3	32.4 31.9	32.2	87.4 86.8	87.1	5.8 5.8	5.8	5.8	10.2 10.2	10.2		12.8 11.2	12.0	
14-Sep-15	Sunny	Moderate	07:51		Surface	1.0	27.2	27.2	7.8	7.8	28.8	28.8	91.0	90.8	6.1	6.1		5.3	5.3		2.6	2.9	
				8.3	Middle	4.2	27.2 27.1	27.1	7.8 7.8	7.8	28.8 28.8	28.8	90.5 88.7	88.7	6.1 5.9	5.9	6.0	5.3 5.5	5.6	5.6	3.2	3.7	3.5
				8.3			27.1 27.1		7.8 7.8		28.9 28.9		88.6 86.2		5.9 5.8			5.6 5.8		5.6	3.6		3.5
					Bottom	7.3	27.2	27.1	7.8	7.8	28.8	28.9	86.5	86.4	5.8	5.8	5.8	5.9	5.9		4.2	4.0	
16-Sep-15	Fine	Moderate	09:15		Surface	1.0	27.6 27.6	27.6	8.2 8.2	8.2	31.2 31.4	31.3	86.1 85.3	85.7	5.7 5.7	5.7		7.9 7.8	7.9		8.4 9.1	8.8	
				8.7	Middle	4.4	27.6 27.6	27.6	8.2 8.2	8.2	31.5 31.4	31.5	85.0 86.4	85.7	5.6 5.7	5.7	5.7	7.8 7.9	7.9	8.0	9.0	9.0	8.7
					Bottom	7.7	27.6	27.6	8.2	8.2	31.5	31.5	85.6	87.2	5.7	5.8	5.8	8.2	8.2		8.6	8.4	1
18-Sep-15	Fine	Moderate	10:42		Surface	1.0	27.6 27.8	27.8	8.2 8.2	8.2	31.5 30.8	30.8	88.7 89.7	87.9	5.9 5.9	5.8		7.2	7.1		8.2 5.6	5.6	
							27.8 27.7		8.1 8.2		30.8 31.0		86.1 85.9		5.7 5.7		5.8	7.0 7.3			5.6 6.3		ļ ļ
				8.8	Middle	4.4	27.7	27.7	8.2	8.2	31.0	31.0	87.1	86.5	5.8	5.7		7.3	7.3	7.2	6.8	6.6	6.5
					Bottom	7.8	27.7 27.8	27.7	8.2 8.1	8.2	31.1 31.0	31.0	86.5 85.2	85.9	5.7 5.6	5.7	5.7	7.2 7.2	7.2		7.1 7.4	7.3	
21-Sep-15	Cloudy	Moderate	12:17		Surface	1.0	28.5 28.5	28.5	8.2 8.2	8.2	22.6 22.6	22.6	84.3 87.4	85.9	5.8 6.0	5.9	5.7	8.0 8.1	8.1		3.5 2.8	3.2]
				8.5	Middle	4.3	28.4 28.4	28.4	8.1 8.1	8.1	27.7 27.6	27.7	80.8 80.3	80.6	5.4 5.4	5.4	5.1	7.9 8.2	8.1	8.3	2.9 2.7	2.8	3.3
					Bottom	7.5	28.4	28.4	8.1	8.1	29.1	29.2	85.6	84.5	5.7	5.6	5.6	8.8	8.7		4.8	3.9	1
		l		<u> </u>			28.3	l .	8.1	<u> </u>	29.2	i .	83.3	1	5.6	l		8.5	l		3.0	ı	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS5 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampling	Tempe	rature (°C)	р	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NT	J)	Susper	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth (m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	14:51		Surface 1.	0 29.3 29.1	29.2	8.3 8.3	8.3	23.8 24.4	24.1	94.1 92.4	93.3	6.3 6.2	6.3	6.0	7.1 7.1	7.1		5.4 5.2	5.3	
				8.1	Middle 4.	1 28.5 28.4	28.4	8.3 8.2	8.2	29.1 29.4	29.3	88.7 81.4	85.1	5.9 5.4	5.6	0.0	9.7 9.7	9.7	8.6	5.3 5.7	5.5	5.6
					Bottom 7.	1 28.8 28.5	28.6	8.3 8.2	8.3	28.9 29.5	29.2	84.7 87.1	85.9	5.7 5.7	5.7	5.7	9.2 8.9	9.1		6.4 5.6	6.0	
25-Sep-15	Sunny	Moderate	16:27		Surface 1.	0 30.3 30.3	30.3	8.4 8.4	8.4	23.0 22.7	22.8	109.8 110.5	110.2	7.3 7.3	7.3	7.1	18.4 18.6	18.5		11.4 11.7	11.6	
				8.7	Middle 4.	4 29.8 29.6	29.7	8.3 8.3	8.3	23.5 23.6	23.5	107.3 101.1	104.2	7.1 6.7	6.9	7.1	18.5 18.4	18.5	18.5	12.3 12.4	12.4	11.8
					Bottom 7.	7 29.4 29.8	29.6	8.3 8.3	8.3	26.0 26.0	26.0	93.7 101.1	97.4	6.3 6.7	6.5	6.5	18.5 18.5	18.5		11.5 11.4	11.5	
28-Sep-15	Sunny	Moderate	07:20		Surface 1.	0 29.1 29.2	29.2	8.2 8.2	8.2	28.8 28.8	28.8	85.4 84.6	85.0	5.9 5.9	5.9	5.9	10.2 10.5	10.4		8.5 7.1	7.8	
				8.7	Middle 4.	4 29.1 29.1	29.1	8.2 8.2	8.2	28.9 28.9	28.9	84.0 83.5	83.8	5.8 5.8	5.8	3.5	11.4 11.3	11.4	11.1	8.9 7.8	8.4	8.7
					Bottom 7.	7 29.1 29.1	29.1	8.2 8.2	8.2	29.7 29.7	29.7	87.0 84.7	85.9	6.0 5.9	5.9	5.9	11.2 11.5	11.4		10.6 9.1	9.9	
30-Sep-15	Fine	Moderate	08:36		Surface 1.	0 28.9 28.9	28.9	8.2 8.2	8.2	30.3 30.3	30.3	86.4 83.2	84.8	5.7 5.5	5.6	5.6	12.0 12.1	12.1		14.5 14.2	14.4	
				8.7	Middle 4.	4 28.9 28.9	28.9	8.2 8.2	8.2	30.3 30.4	30.4	83.7 83.0	83.4	5.6 5.5	5.5	5.0	12.0 12.0	12.0	12.1	14.3 14.4	14.4	15.7
					Bottom 7.	7 28.9 28.9	28.9	8.2 8.2	8.2	30.4 30.4	30.4	82.7 83.9	83.3	5.5 5.6	5.5	5.5	12.1 12.5	12.3		18.7 17.9	18.3	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS6, CSA and CS(Mf)5 are considered as upstream contol stations of mid-flood tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS7 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Samp	ling	Tempera	ature (°C)	F	Н	Salinit	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NT	U)	Suspe	ended Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	14:26		Surface	1.0	27.0 27.0	27.0	8.1 8.1	8.1	29.0 29.0	29.0	86.2 80.2	83.2	5.9 5.4	5.6		8.1 8.0	8.1		6.0 4.0	5.0	
				3.3	Middle	-	-	-	-	-	-	-	-	-	-	-	5.6	-	-	8.2	-	-	6.1
					Bottom	2.3	27.0 27.0	27.0	8.1 8.1	8.1	29.0 29.0	29.0	78.8 81.3	80.1	5.3 5.5	5.4	5.4	8.1 8.2	8.2		7.2 6.9	7.1	
4-Sep-15	Sunny	Moderate	15:58				28.0	22.4	8.0		27.9	27.0	87.4		6.2			7.2			4.8		
1 000 10	Cumy	Moderate	10.00		Surface	1.0	28.2	28.1	8.0	8.0	27.9	27.9	88.6	88.0	6.3	6.2	6.2	6.7	7.0		5.2	5.0	
				3.3	Middle	-	28.0	-	- 8.0	-	- 29.2	-	- 87.7	-	6.2	-		7.0	-	7.1	5.4	-	5.2
					Bottom	2.3	27.7	27.8	8.0	8.0	29.5	29.4	86.2	87.0	6.1	6.1	6.1	7.3	7.2		5.1	5.3	
7-Sep-15	Cloudy	Moderate	09:23		Surface	1.0	29.5 29.5	29.5	8.0 8.0	8.0	19.2 19.4	19.3	94.2 87.0	90.6	6.4 6.0	6.2	6.2	3.6 3.4	3.5		3.6 3.8	3.7	
				3.3	Middle	-	-	-	-	-	-	-	-	-	-	-	0.2	-	-	3.5	-	-	3.8
					Bottom	2.3	29.5 29.5	29.5	8.0 8.0	8.0	20.9 21.0	21.0	87.9 91.7	89.8	6.0 6.3	6.1	6.1	3.5 3.5	3.5		4.0 3.7	3.9	
9-Sep-15	Sunny	Moderate	11:44		Surface	1.0	28.0 28.1	28.1	8.0 7.9	8.0	22.6 22.6	22.6	93.0 95.3	94.2	6.7 6.9	6.8		4.1 4.2	4.2		3.3 3.6	3.5	
				3.4	Middle	-	-	-	-	-	-	-	- 95.5	-	-	-	6.8	-	-	4.6	-	-	4.0
					Bottom	2.4	27.1	27.3	7.9	7.9	28.6	28.4	85.8	89.4	6.1	6.4	6.4	4.9	5.0		4.8	4.4	
11-Sep-15	Fine	Moderate	12:52		Surface	1.0	27.5 28.0	27.9	7.8 8.4	8.4	28.1 28.5	28.5	93.0 129.4	131.0	6.6 8.7	8.7	***	5.0 3.9	3.9		3.9 4.1	4.3	
				0.4		1.0	27.9		8.4		28.5		132.5		8.7	0.7	8.7	3.9		0.0	4.5		
				3.1	Middle	-	27.8	-	- 8.4	-	28.6	-	- 124.2	-	8.3	-		3.8	-	3.9	6.6	-	5.3
110 15			40.00		Bottom	2.1	27.6	27.7	8.3	8.4	28.8	28.7	124.7	124.5	8.3	8.3	8.3	3.9	3.9		5.7	6.2	
14-Sep-15	Sunny	Moderate	13:00		Surface	1.0	27.7 27.6	27.6	7.9 7.9	7.9	27.6 27.6	27.6	95.9 96.8	96.4	6.4 6.5	6.5	6.5	4.3 4.3	4.3		3.5 3.4	3.5	
				3.2	Middle	0.0	0.0 0.0	0.0	-	-	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	• • •	0.0 0.0	0.0	4.5	-	-	3.4
					Bottom	2.2	27.7 27.6	27.6	7.9 7.9	7.9	27.6 27.6	27.6	92.9 93.7	93.3	6.2 6.3	6.2	6.2	4.7 4.6	4.7		3.2 3.1	3.2	
16-Sep-15	Fine	Moderate	13:45		Surface	1.0	27.9 27.9	27.9	8.2 8.2	8.2	32.3 32.3	32.3	93.8 92.3	93.1	6.2 6.1	6.1		9.5 9.6	9.6		4.9 4.0	4.5	
				3.2	Middle	-	-	-	-	-	-	-	-	-	-	-	6.1	-	-	9.5	-	-	6.7
					Bottom	2.2	27.9 27.9	27.9	8.2 8.2	8.2	32.4 32.4	32.4	94.8 92.8	93.8	6.2 6.1	6.1	6.1	9.6 9.2	9.4		8.1 9.6	8.9	
18-Sep-15	Fine	Moderate	14:43		Surface	1.0	28.3	28.3	8.2	8.2	31.1	31.1	92.2	92.1	6.0	6.0		5.7	5.9		5.1	5.2	
				3.2	Middle	_	28.3	_	8.2	-	31.1	_	91.9	_	6.0	_	6.0	6.0	_	6.1	5.2	-	4.9
					Bottom	2.2	27.9	28.1	8.2	8.2	31.9	31.7	91.7	92.0	6.0	6.0	6.0	6.2	6.2		4.8	4.5	
21-Sep-15	Rainy	Moderate	06:17			1.0	28.2 28.6	28.6	8.2 8.2	8.2	31.5 22.8	22.7	92.2 84.1	86.3	6.0 5.7		0.0	6.2 3.9			4.2 2.3	2.9	
	•				Surface	1.0	28.6	∠8.0	8.2		22.5	22.1	88.5	80.3	6.1	5.9	5.9	4.2	4.1		3.5		
				3.4	Middle	-	28.6	-	- 8.1	-	- 25.4	-	80.0	-	- 5.4	-		- 4.4	-	4.3	3.2	-	3.1
					Bottom	2.4	28.6	28.6	8.2	8.1	24.7	25.1	86.3	83.2	5.4	5.6	5.6	4.4	4.5		3.1	3.2	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS7 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Sampli	ing	Tempera	ature (°C)	ŗ	Н	Salini	y (ppt)	DO Satu	ration (%)	Dissolv	ed Oxygen	(mg/L)	Т	urbidity(NTl	J)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth ((m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	09:49		Surface	1.0	28.5 28.6	28.6	8.2 8.2	8.2	27.0 26.7	26.9	79.4 79.4	79.4	5.3 5.3	5.3	5.3	4.6 4.1	4.4		5.4 4.7	5.1	
				3.4	Middle		-	-	-	-	-	-	-	-	-	-	5.5	-	-	4.6	-	-	5.3
					Bottom	2.4	28.4 28.5	28.5	8.1 8.2	8.2	28.5 28.6	28.6	74.6 79.8	77.2	5.0 5.3	5.1	5.1	4.8 4.5	4.7		6.1 4.9	5.5	
25-Sep-15	Sunny	Moderate	11:20		Surface	1.0	29.8 29.6	29.7	8.3 8.3	8.3	22.7 23.2	23.0	98.5 96.3	97.4	6.6 6.5	6.5	6.5	7.5 7.0	7.3		3.2 2.7	3.0	
				3.2	Middle	-	-	•		-		i		-	-	-	0.5	-	-	7.4	-	-	3.2
					Bottom	2.2	29.6 29.6	29.6	8.2 8.2	8.2	24.5 24.9	24.7	95.8 93.7	94.8	6.4 6.2	6.3	6.3	7.6 7.4	7.5		4.1 2.5	3.3	
28-Sep-15	Sunny	Moderate	11:50		Surface	1.0	29.4 29.4	29.4	8.2 8.2	8.2	28.2 28.3	28.3	79.3 78.5	78.9	5.2 5.1	5.2	5.2	6.5 6.5	6.5		5.6 5.5	5.6	
				3.3	Middle	•	-	-		-		-		-	-	-	5.2	-	-	6.6	-	-	5.9
					Bottom	2.3	29.2 29.4	29.3	8.2 8.2	8.2	28.6 28.5	28.6	80.4 78.8	79.6	5.3 5.2	5.2	5.2	6.6 6.6	6.6		6.7 5.6	6.2	
30-Sep-15	Fine	Moderate	13:25		Surface	1.0	29.5 29.6	29.6	8.2 8.2	8.2	32.0 31.9	31.9	94.1 96.7	95.4	6.1 6.3	6.2	6.2	6.2 6.3	6.3		4.0 4.5	4.3	
				3.1	Middle	-	-	-		-	-	-		-	-	-	0.2	-	-	6.5	-	-	5.0
					Bottom	2.1	29.2 29.4	29.3	8.2 8.2	8.2	32.2 32.0	32.1	90.5 91.1	90.8	5.9 5.9	5.9	5.9	6.5 6.6	6.6		5.9 5.2	5.6	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS4 and CS(Mf)3 are considered as upstream contol stations of mid-ebb tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS7 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Samp	ling	Tempera	ature (°C)	ī	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NT	U)	Suspe	ended Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	09:42		Surface	1.0	26.9	26.9	8.0	8.0	29.9	29.9	83.4	86.0	5.6	5.8		18.2	18.4		17.0	17.4	P
				3.3	Middle	-	26.9	-	8.0	_	29.9	_	88.6	_	6.0	_	5.8	18.5	-	18.4	17.8	-	18.1
					Bottom	2.3	26.9	26.9	8.0	8.1	29.9	29.9	82.3	83.7	5.5	5.6	5.6	18.4	18.3		18.4	18.7	-
					Dottom	2.0	26.9	20.3	8.1	0.1	29.9	23.3	85.0	03.7	5.7	5.0	3.0	18.2	10.5		18.9	10.7	
4-Sep-15	Sunny	Moderate	11:46		Surface	1.0	27.7 27.8	27.8	8.0 8.0	8.0	27.6 27.5	27.6	85.7 85.0	85.4	6.1 6.1	6.1	6.1	9.7 10.0	9.9		12.0 13.5	12.8	
				3.3	Middle	-	-	-		-		-		-		-	0	-	-	10.0	-	-	13.5
					Bottom	2.3	27.7 27.7	27.7	8.0 8.0	8.0	27.8 27.6	27.7	86.9 85.2	86.1	6.2 6.1	6.1	6.1	9.9 10.1	10.0		14.2 14.1	14.2	
7-Sep-15	Sunny	Moderate	15:16		Surface	1.0	29.5 29.5	29.5	8.1 8.1	8.1	18.5 18.7	18.6	91.2 89.8	90.5	6.3 6.2	6.2		4.5 4.2	4.4		3.4 3.6	3.5	
				3.0	Middle	-	-	-	-	-	-	-	-	-	-	-	6.2	-	-	4.4	-	-	3.9
					Bottom	2.0	29.7 29.5	29.6	8.0 8.0	8.0	21.6 21.3	21.4	90.5 91.2	90.9	6.1 6.2	6.1	6.1	4.3 4.4	4.4		4.3	4.3	•
9-Sep-15	Sunny	Moderate	16:41		Surface	1.0	28.7	28.7	8.0	8.0	25.1	25.1	124.1	124.4	8.4	8.4		4.6	4.8		7.7	7.7	
				3.1	Middle	1.0	28.7	20.7	8.0	0.0	25.1	20.1	124.7	124.4	8.4	0.4	8.4	5.0	4.0	5.1	7.7	-	6.9
				3.1		2.1	28.7	28.7	8.0	8.0	25.1	25.1	124.3	124.1	8.4	8.4	8.4	- 5.6		5.1	6.7		- 0.9
					Bottom	2.1	28.7	28.7	8.0	8.0	25.1	25.1	123.9	124.1	8.3	8.4	8.4	5.2	5.4		5.4	6.1	<u> </u>
11-Sep-15	Fine	Moderate	17:36		Surface	1.0	28.4 28.4	28.4	8.5 8.5	8.5	29.2 29.2	29.2	115.8 116.2	116.0	7.6 7.6	7.6	7.6	8.6 8.5	8.6		7.0 6.6	6.8	
				3.0	Middle	-	-	-	-	-		-	-	-		-		-	-	8.7	-	-	8.0
					Bottom	2.0	28.4 28.4	28.4	8.5 8.5	8.5	29.2 29.3	29.3	116.5 115.5	116.0	7.7 7.6	7.6	7.6	8.7 8.8	8.8		8.4 9.8	9.1	
14-Sep-15	Sunny	Moderate	07:37		Surface	1.0	27.2	27.2	7.8	7.8	28.0	28.0	94.0	93.9	6.3	6.3		4.6	4.6		4.0	3.9	l l
				3.3	Middle	0.0	0.0	0.0	7.8	-	28.0 0.0	0.0	93.8	0.0	6.3 0.0	0.0	6.3	0.0	0.0	4.8	3.7	-	4.0
					Bottom	2.3	0.0 27.1	27.2	7.8	7.8	0.0 28.0	28.1	91.1	90.8	0.0 6.1	6.1	6.1	0.0 5.0	5.0		4.0	4.1	-
16-Sep-15	Fine	Moderate	08:59				27.2 27.6		7.8 8.2		28.1 31.6		90.4 86.7		6.1 5.7			4.9 6.5			4.1 8.2		
10-оер-15	1 1116	Woderate	00.55		Surface	1.0	27.6	27.6	8.2	8.2	31.6	31.6	87.6	87.2	5.8	5.8	5.8	6.4	6.5		8.0	8.1	<u> </u>
				3.2	Middle	-	-	-	-	-	-	-	-	-	-	-		-	-	6.6	-	-	7.5
					Bottom	2.2	27.6 27.6	27.6	8.2 8.2	8.2	31.6 31.6	31.6	89.3 87.1	88.2	5.9 5.8	5.8	5.8	6.6 6.6	6.6		7.3 6.4	6.9	
18-Sep-15	Fine	Moderate	10:23		Surface	1.0	28.0 28.0	28.0	8.2 8.2	8.2	30.8 30.9	30.8	88.9 89.2	89.1	5.9 5.9	5.9	5.0	6.5 6.5	6.5		3.2 3.3	3.3	
				3.2	Middle	-	-	-	-	-	-	-	-	-	-	-	5.9	-	-	6.6	-	-	3.7
					Bottom	2.2	27.9 27.8	27.8	8.2 8.2	8.2	31.0 31.0	31.0	88.8 89.3	89.1	5.9 5.9	5.9	5.9	6.6 6.6	6.6	1	3.4 4.5	4.0	1
21-Sep-15	Cloudy	Moderate	12:35		Surface	1.0	28.5 28.5	28.5	8.2	8.2	22.2	22.2	95.5 92.8	94.2	6.6 6.4	6.5		8.5	8.6		6.6	6.4	
				3.2	Middle	-	- 28.5	-	8.2	-	22.3	-	92.8	-	- 6.4	-	6.5	8.7	-	8.6	6.1	-	7.7
						0.0	28.5	00.5	8.2		22.7	00.7	99.2	00.0	6.8	0.0	0.0	8.7	0.0	•	9.5	1	- I
					Bottom	2.2	28.6	28.5	8.2	8.2	22.6	22.7	94.0	96.6	6.4	6.6	6.6	8.5	8.6		8.4	9.0	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS7 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampl	ing	Tempera	ature (°C)	p	Н	Salinit	y (ppt)	DO Satu	ration (%)	Dissolv	ed Oxygen	(mg/L)	Т	urbidity(NT	J)	Susper	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	15:09		Surface	1.0	29.8 29.6	29.7	8.3 8.3	8.3	24.3 24.8	24.6	113.1 110.3	111.7	7.5 7.3	7.4	7.4	4.6 4.5	4.6		3.5 2.7	3.1	
				3.0	Middle	-		-		-	-	-	1 1	-		-	7.4	-	-	4.8	-	-	2.9
					Bottom	2.0	29.0 29.2	29.1	8.3 8.3	8.3	26.4 26.0	26.2	102.1 109.9	106.0	6.8 7.3	7.0	7.0	5.2 4.7	5.0		3.2 2.2	2.7	
25-Sep-15	Sunny	Moderate	16:41		Surface	1.0	30.6 30.5	30.6	8.4 8.4	8.4	22.8 22.9	22.9	121.8 123.9	122.9	8.0 8.2	8.1	8.1	7.5 7.7	7.6		2.1 4.1	3.1	
				3.0	Middle	-		-		-	-	-		-		-	0.1	-	-	7.6	-	-	3.7
					Bottom	2.0	30.0 30.5	30.2	8.3 8.4	8.4	24.3 24.2	24.3	117.8 125.5	121.7	7.8 8.2	8.0	8.0	7.5 7.4	7.5		3.7 4.7	4.2	
28-Sep-15	Sunny	Moderate	07:06		Surface	1.0	29.0 29.0	29.0	8.2 8.2	8.2	28.2 28.2	28.2	84.9 84.0	84.5	5.6 5.5	5.6	5.6	4.1 4.1	4.1		2.5 2.8	2.7	
				3.3	Middle	•		-		-	-	-		-		-	5.0	-	-	4.1	-	-	3.6
					Bottom	2.3	28.9 28.9	28.9	8.2 8.2	8.2	28.4 28.4	28.4	84.5 86.7	85.6	5.6 5.7	5.6	5.6	4.1 4.0	4.1		3.8 5.2	4.5	
30-Sep-15	Fine	Moderate	08:22		Surface	1.0	28.9 28.9	28.9	8.2 8.2	8.2	30.1 30.4	30.3	90.6 85.7	88.2	6.0 5.7	5.9	5.9	8.5 8.7	8.6		10.1 10.2	10.2	
				3.3	Middle	-	1 1	-	1 1	-	-	-	1 1	-		-	5.5	-	-	8.7	-	-	10.4
					Bottom	2.3	28.9 28.9	28.9	8.2 8.2	8.2	30.4 30.6	30.5	84.5 86.6	85.6	5.6 5.8	5.7	5.7	8.8 8.8	8.8		10.7 10.3	10.5	İ

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS6, CSA and CS(Mf)5 are considered as upstream contol stations of mid-flood tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS8 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Samp	ling	Tempera	ature (°C)	F	Н	Salinit	ty (ppt)	DO Satu	ration (%)	Dissolv	ved Oxygen	(mg/L)	T	urbidity(NT	U)	Suspe	ended Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	14:47		Surface	1.0	27.0 27.0	27.0	8.1 8.1	8.1	29.0 29.0	29.0	74.8 74.4	74.6	5.1 5.1	5.1		9.5 9.3	9.4		8.4 8.3	8.4	
				4.2	Middle	-	-	-	-	-	-	-	-	-	-	-	5.1	-	-	9.5	-	-	8.6
					Bottom	3.2	26.9	26.9	8.0	8.1	29.8	29.8	74.2	74.6	5.0	5.0	5.0	9.6	9.6		8.1	8.7	
4-Sep-15	Sunny	Moderate	16:23				27.0 27.8		8.1 8.0		29.8 27.4		74.9 85.1		5.1 6.1			9.6 7.3			9.2 7.8		
4-Зер-13	Jullily	Woderate	10.23		Surface	1.0	27.9	27.9	8.0	8.0	27.4	27.4	85.4	85.3	6.1	6.1	6.1	7.2	7.3		8.4	8.1	
				3.7	Middle	-	-	-	-	-	-	-	-	-	-	-		-	-	7.4	-	-	8.3
					Bottom	2.7	27.5 27.8	27.7	8.0 8.0	8.0	29.1 29.0	29.0	85.3 84.9	85.1	6.1 6.0	6.0	6.0	7.6 7.4	7.5		8.1 8.8	8.5	
7-Sep-15	Cloudy	Moderate	08:56		Surface	1.0	29.1 29.1	29.1	8.0 8.0	8.0	18.4 18.6	18.5	88.5 89.5	89.0	6.1 6.2	6.2	6.2	8.4 8.5	8.5		3.5 2.9	3.2	
				3.9	Middle	-	-	-	-	-	-	-	-	-	-	-	0.2	-	-	8.6	-	-	4.1
					Bottom	2.9	29.2 29.2	29.2	8.0 8.0	8.0	19.0 19.1	19.1	88.9 91.3	90.1	6.1 6.3	6.2	6.2	8.6 8.5	8.6		4.9 5.1	5.0	
9-Sep-15	Sunny	Moderate	11:11		Surface	1.0	27.7 27.8	27.8	8.1 8.1	8.1	24.8 24.9	24.8	89.2 88.7	89.0	6.4 6.4	6.4		6.6 6.3	6.5		5.8 5.1	5.5	
				3.7	Middle	-	-	-	- 8.1	-	- 24.9	-	- 88.7	-	-	-	6.4	-	-	7.2	- 5.1	-	4.7
					Bottom	2.7	27.2	27.1	8.1	8.1	28.8	28.8	88.4	85.9	6.3	6.1	6.1	8.0	7.8		4.0	3.8	
11-Sep-15	Fine	Moderate	12:31		Surface	1.0	26.9 27.7	27.7	8.1 8.3	8.3	28.8 28.8	28.8	83.4 107.2	111.7	6.0 7.2	7.5	0	7.5 4.4	4.5		3.5 11.5	10.6	
				0.0		1.0	27.7		8.4		28.7		116.1		7.8	7.5	7.5	4.5		4.5	9.7		40.5
				3.9	Middle	-	27.7	-	8.3	-	28.8	-	- 111.4	-	- 7.5	-		4.3	-	4.5	14.3	-	12.5
44.0 45	2	Madagas	10.10		Bottom	2.9	27.5	27.6	8.3	8.3	29.4	29.1	107.6	109.5	7.2	7.3	7.3	4.5	4.4		14.3	14.3	
14-Sep-15	Sunny	Moderate	13:18		Surface	1.0	27.3 27.6	27.4	7.8 7.8	7.8	28.7 28.4	28.6	91.4 90.8	91.1	6.1 6.1	6.1	6.1	5.1 5.2	5.2		5.0 4.9	5.0	
				3.7	Middle	0.0	0.0 0.0	0.0	-	-	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0		0.0 0.0	0.0	5.3	-	-	4.2
					Bottom	2.7	27.2 27.6	27.4	7.8 7.8	7.8	28.8 28.5	28.7	88.4 88.0	88.2	5.9 5.9	5.9	5.9	5.3 5.4	5.4		3.2 3.5	3.4	
16-Sep-15	Fine	Moderate	14:07		Surface	1.0	27.7 27.8	27.8	8.2 8.2	8.2	32.1 32.0	32.0	85.7 86.8	86.3	5.6 5.7	5.7		6.5 6.3	6.4		6.0 5.3	5.7	
				3.8	Middle	-	-	-	-	-	-	-	-	-	1 1	-	5.7	-	-	6.4	-	-	5.9
					Bottom	2.8	27.7 27.8	27.7	8.2 8.2	8.2	32.4 32.0	32.2	85.6 86.4	86.0	5.6 5.7	5.7	5.7	6.3 6.3	6.3		5.8 6.4	6.1	
18-Sep-15	Fine	Moderate	15:06		Surface	1.0	28.1	28.1	8.2	8.2	30.7	30.8	88.0	88.2	5.8	5.8		10.1	10.3		6.3	6.4	
				3.9	Middle	-	28.1	-	8.2	-	30.9	-	88.3	-	5.8	_	5.8	10.4	-	10.3	6.5	-	6.2
					Bottom	2.9	27.9	27.9	8.2	8.2	31.9	31.8	- 87.9	87.9	5.8	5.8	5.8	10.4	10.3		5.7	5.9	
21-Sep-15	Rainy	Moderate	05:51		Surface	1.0	28.0 28.5	28.5	8.2 8.2	8.2	31.6 21.7	21.5	87.9 91.9	91.2	5.8 6.3	6.3	0.0	10.2 5.2	5.3		6.0 3.2	2.8	
	-					1.0	28.4	20.0	8.2	0.2	21.2	21.5	90.5	31.2	6.3	0.3	6.3	5.3			2.4		
				3.8	Middle	-	28.5	-	- 8.1	-	23.9	-	- 91.7	-	6.2	-		6.2	-	5.9	2.4	-	2.8
					Bottom	2.8	28.5	28.5	8.1	8.1	24.2	24.0	94.9	93.3	6.4	6.3	6.3	6.6	6.4		3.2	2.8	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS8 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Sampli	ing	Tempera	ature (°C)	F	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NTI	J)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth ((m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	09:17		Surface	1.0	28.7 28.6	28.7	8.2 8.2	8.2	24.1 26.7	25.4	85.3 86.0	85.7	5.8 5.7	5.8	5.8	11.2 11.4	11.3		6.2 6.9	6.6	
				3.6	Middle	-	-	-		-	-	-	-			-	5.0	-	-	12.1	-	-	6.9
					Bottom	2.6	28.4 28.6	28.5	8.1 8.2	8.2	28.4 28.7	28.6	86.6 86.3	86.5	5.8 5.7	5.7	5.7	12.5 13.3	12.9		8.2 6.0	7.1	
25-Sep-15	Sunny	Moderate	10:57		Surface	1.0	29.7 29.6	29.6	8.3 8.3	8.3	22.5 22.5	22.5	103.2 98.3	100.8	6.9 6.6	6.8	6.8	11.1 11.5	11.3		3.8 3.7	3.8	
				3.9	Middle	-	-	-		-	-	-	-			-	0.0	-	-	11.3	-	-	3.8
					Bottom	2.9	29.3 29.6	29.5	8.2 8.3	8.3	24.3 24.2	24.3	96.1 102.1	99.1	6.4 6.8	6.6	6.6	11.2 11.3	11.3		3.9 3.6	3.8	
28-Sep-15	Sunny	Moderate	12:17		Surface	1.0	29.2 29.2	29.2	8.2 8.2	8.2	28.8 28.8	28.8	88.2 87.7	88.0	6.1 6.1	6.1	6.1	5.7 5.6	5.7		2.8 3.8	3.3	
				4.1	Middle	-	-	-		-	-	-		-		-	0.1	-	-	5.8	-	-	3.5
					Bottom	3.1	29.2 29.0	29.1	8.2 8.2	8.2	29.1 30.1	29.6	88.0 85.4	86.7	6.1 5.9	6.0	6.0	5.8 5.8	5.8		3.3 3.8	3.6	
30-Sep-15	Fine	Moderate	13:46		Surface	1.0	29.1 29.2	29.2	8.2 8.2	8.2	31.6 31.5	31.6	83.9 85.0	84.5	5.5 5.6	5.6	5.6	9.8 9.7	9.8		6.5 6.4	6.5	
				3.9	Middle	-	-	-	1 1	-	-	-		-		-	5.0	-	-	9.8	-	-	7.0
					Bottom	2.9	28.9 29.2	29.0	8.2 8.2	8.2	32.1 31.7	31.9	84.0 85.1	84.6	5.5 5.6	5.6	5.6	9.8 9.8	9.8		7.6 7.2	7.4	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS4 and CS(Mf)3 are considered as upstream contol stations of mid-ebb tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS8 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Samp	ling	Tempera	ature (°C)	ţ.	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Ti	urbidity(NTI	U)	Suspe	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	09:19		Surface	1.0	27.0 27.0	27.0	8.0 8.0	8.0	28.3 28.3	28.3	80.7 82.5	81.6	5.4 5.6	5.5	5.5	9.4 9.6	9.5		6.8 7.5	7.2	
				3.8	Middle	-	-	-	-	-	-	-	-	-		-	5.5	-	-	9.5	-	-	7.2
					Bottom	2.8	27.0 27.0	27.0	8.0 8.0	8.0	28.7 28.8	28.8	80.3 81.5	80.9	5.4 5.5	5.5	5.5	9.5 9.5	9.5		6.3 7.8	7.1	
4-Sep-15	Sunny	Moderate	11:22		Surface	1.0	27.5 27.7	27.6	8.0 8.0	8.0	25.8 25.6	25.7	79.6 81.7	80.7	5.8 5.9	5.8		8.9 8.5	8.7		10.5 8.1	9.3	
				3.7	Middle	-	-	-	-	-	-	-	-	-	-	-	5.8	-	-	9.4	-	-	8.7
					Bottom	2.7	27.6 27.4	27.5	8.0 7.9	7.9	26.0 26.4	26.2	80.2 79.8	80.0	5.8 5.8	5.8	5.8	10.2 9.8	10.0		7.8 8.2	8.0	
7-Sep-15	Sunny	Moderate	15:37		Surface	1.0	29.2 29.2	29.2	8.1	8.1	18.0	18.0	89.1 88.9	89.0	6.2 6.2	6.2		8.7	8.6		8.2 7.7	8.0	
				3.9	Middle	-	- 29.2	-	8.1	-	18.0	-	- 88.9	-	-	-	6.2	8.4	-	8.7	-	-	7.8
					Bottom	2.9	29.3	29.3	8.0 8.0	8.0	20.2	20.2	89.5 89.4	89.5	6.1	6.1	6.1	8.7	8.7		7.8	7.6	
9-Sep-15	Sunny	Moderate	17:14		Surface	1.0	27.6 27.7	27.7	8.0 7.9	8.0	27.0 27.0	27.0	95.0 96.2	95.6	6.4 6.5	6.5		10.4 11.0	10.7		17.8 17.7	17.8	
				3.4	Middle	-	-	-	-	-	-	-	-	-	-	-	6.5	-	-	11.4	-	-	15.8
					Bottom	2.4	27.6 27.6	27.6	7.9 8.0	8.0	27.2 27.2	27.2	96.6 95.8	96.2	6.5 6.5	6.5	6.5	11.7 12.3	12.0		14.0 13.6	13.8	
11-Sep-15	Fine	Moderate	17:56		Surface	1.0	27.8 27.8	27.8	8.3 8.3	8.3	29.2 29.4	29.3	106.9 110.7	108.8	7.1 7.4	7.3		10.1 10.2	10.2		17.7 17.3	17.5	
				3.9	Middle	-	-	-	-	-	-	-	-	-	-	-	7.3	-	-	10.3	-	-	23.1
					Bottom	2.9	27.9 27.5	27.7	8.3 8.3	8.3	30.2 30.6	30.4	110.3 104.7	107.5	7.3 7.0	7.1	7.1	10.5 10.2	10.4		29.7 27.4	28.6	
14-Sep-15	Sunny	Moderate	07:19		Surface	1.0	26.9 26.9	26.9	7.8 7.8	7.8	29.2 29.3	29.3	87.1 88.0	87.6	5.8 5.9	5.9		6.1 6.2	6.2		3.6 4.3	4.0	
				3.8	Middle	0.0	0.0	0.0		-	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	0.0	6.3	-	-	4.2
					Bottom	2.8	26.9 26.9	26.9	7.8 7.8	7.8	29.2 29.3	29.3	85.3 83.2	84.3	5.7 5.6	5.6	5.6	6.4 6.4	6.4		4.0 4.6	4.3	
16-Sep-15	Fine	Moderate	08:37		Surface	1.0	27.4 27.4	27.4	8.1 8.1	8.1	30.9 31.0	30.9	85.0 83.8	84.4	5.7 5.6	5.6		8.2 8.1	8.2		10.9	10.4	
				4.0	Middle	-		-	-	-		-	-	-	-	-	5.6	-	-	8.2	-	-	9.4
					Bottom	3.0	27.4 27.4	27.4	8.1 8.1	8.1	31.1 31.0	31.0	86.7 84.6	85.7	5.8 5.6	5.7	5.7	8.2 8.2	8.2		8.3 8.3	8.3	
18-Sep-15	Fine	Moderate	10:04		Surface	1.0	27.8 27.8	27.8	8.1 8.1	8.1	28.8 28.7	28.7	82.0 81.6	81.8	5.5 5.5	5.5		11.0 11.8	11.4		5.2 4.3	4.8	
				3.7	Middle	-	-	-	-	-		-	-	-	-	-	5.5	-	-	11.3	-	-	4.8
					Bottom	2.7	27.8 27.6	27.7	8.1 8.1	8.1	30.0 29.4	29.7	82.1 81.2	81.7	5.5 5.4	5.4	5.4	11.1 11.2	11.2		5.2 4.4	4.8	
21-Sep-15	Cloudy	Moderate	13:06		Surface	1.0	28.5 28.5	28.5	8.1 8.2	8.2	21.1 20.9	21.0	89.4 92.8	91.1	6.2 6.4	6.3	0.0	13.8 14.2	14.0		4.6 4.6	4.6	
				3.4	Middle	-	-	-		-		-	-	-	-	-	6.3	-	-	14.6	-	-	6.8
					Bottom	2.4	28.5 28.5	28.5	8.1 8.1	8.1	23.4 23.1	23.2	96.3 90.7	93.5	6.6 6.2	6.4	6.4	15.1 15.1	15.1		9.0 9.0	9.0	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS8 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampl	ling	Tempera	ature (°C)	F	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NTI	U)	Suspe	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	15:40		Surface	1.0	29.1 29.1	29.1	8.3 8.3	8.3	24.7 24.5	24.6	99.2 100.1	99.7	6.7 6.7	6.7	6.7	10.6 10.4	10.5		7.0 6.9	7.0	
				3.3	Middle			-		-	-	-	-			-	0.7	-	-	11.1	-	-	7.5
					Bottom	2.3	29.0 29.1	29.0	8.2 8.2	8.2	25.6 24.8	25.2	100.1 100.1	100.1	6.7 6.7	6.7	6.7	11.3 11.8	11.6		8.1 7.8	8.0	
25-Sep-15	Sunny	Moderate	17:06		Surface	1.0	29.9 29.8	29.9	8.3 8.3	8.3	22.2 22.3	22.2	108.4 107.3	107.9	7.3 7.2	7.2	7.2	16.6 16.4	16.5		3.4 2.9	3.2	
				3.8	Middle			-		-	-	-	-			-	1.2	-	-	16.5	-	-	3.8
					Bottom	2.8	29.8 29.9	29.8	8.3 8.3	8.3	22.9 23.2	23.0	108.1 109.0	108.6	7.2 7.3	7.3	7.3	16.4 16.5	16.5		4.3 4.3	4.3	
28-Sep-15	Sunny	Moderate	06:43		Surface	1.0	28.9 28.9	28.9	8.2 8.2	8.2	28.4 28.4	28.4	84.8 85.6	85.2	5.9 6.0	5.9	5.9	7.5 7.7	7.6		3.5 2.6	3.1	I
				4.1	Middle	•		-		-	-	-		-		-	5.5	-	-	7.6	-	-	3.0
					Bottom	3.1	29.0 29.0	29.0	8.2 8.2	8.2	29.5 29.4	29.5	84.4 85.5	85.0	5.9 5.9	5.9	5.9	7.5 7.4	7.5		3.5 2.1	2.8	
30-Sep-15	Fine	Moderate	07:59		Surface	1.0	28.9 28.9	28.9	8.2 8.2	8.2	29.2 29.2	29.2	85.3 83.9	84.6	5.7 5.6	5.7	5.7	11.5 11.5	11.5		8.2 7.9	8.1	
				3.9	Middle	-	-	-	1 1	-	-	-	-	-	1 1	-	5.7	-	-	11.6	-	-	7.9
					Bottom	2.9	28.8 28.9	28.8	8.2 8.2	8.2	29.5 29.4	29.5	84.1 83.4	83.8	5.6 5.6	5.6	5.6	11.5 11.7	11.6		7.6 7.8	7.7	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS6, CSA and CS(Mf)5 are considered as upstream contol stations of mid-flood tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS17 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Samp	ling	Tempera	ature (°C)	F	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NTl	J)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	15:00		Surface	1.0	26.9 26.9	26.9	8.1 8.1	8.1	29.2 29.2	29.2	81.6 84.4	83.0	5.5 5.7	5.6		9.8 9.5	9.7		8.1 7.6	7.9	
				10.1	Middle	5.1	26.7 26.7	26.7	8.1 8.1	8.1	29.4 29.5	29.4	81.6 80.9	81.3	5.5 5.5	5.5	5.6	9.7 9.8	9.8	9.8	8.8 9.6	9.2	8.8
					Bottom	9.1	26.8 26.5	26.6	8.0 8.1	8.1	30.7 31.0	30.9	79.7 80.0	79.9	5.4 5.4	5.4	5.4	9.7	9.8		8.8 9.5	9.2	
4-Sep-15	Sunny	Moderate	16:39		Surface	1.0	27.6	27.6	8.0	8.0	27.7	27.6	79.1	79.2	5.7	5.7		10.7	10.5		9.4	8.7	
				10.8	Middle	5.4	27.6 26.4	26.4	8.0 8.0	8.0	27.5 31.1	31.3	79.3 74.7	73.8	5.7 5.4	5.3	5.5	10.2 12.5	12.5	11.8	7.9 9.5	8.9	9.1
				10.0	Bottom	9.8	26.4 26.6	26.5	8.0 8.0	8.0	31.4 31.5	31.6	72.9 75.7	75.1	5.3 5.4	5.4	5.4	12.4 12.7	12.5	11.0	8.3 9.0	9.7	0.1
7-Sep-15	Cloudy	Moderate	08:39			1.0	26.3 29.0	29.0	7.9 8.0	8.0	31.7 17.0	17.0	74.5 80.4	79.4	5.3 5.6		3.4	12.2 3.3			10.4 2.5	2.8	
	,				Surface		28.9 28.3		8.0 8.0		17.0 23.1		78.4 74.6	-	5.5 5.1	5.6	5.4	3.3	3.3		3.0 6.8		
				10.1	Middle	5.1	28.1	28.2	8.0 7.9	8.0	22.9 32.3	23.0	75.2 73.7	74.9	5.1	5.1		3.8	3.8	3.6	6.0	6.4	4.8
9-Sep-15	Sunny	Moderate	10:47		Bottom	9.1	26.1 27.3	26.1	7.9 8.0	7.9	32.6 26.5	32.4	71.8 85.3	72.8	4.8 6.2	4.9	4.9	3.8 4.1	3.8		5.7	5.2	<u> </u>
9-3ep-15	Suring	Moderate	10.47		Surface	1.0	27.3	27.3	8.0	8.0	26.5	26.5	84.7	85.0	6.1	6.1	5.6	4.3	4.2		3.2	2.9	
				10.7	Middle	5.4	26.3 26.4	26.4	8.0 8.0	8.0	30.4 30.0	30.2	69.5 69.9	69.7	5.1 5.1	5.1		6.5 6.0	6.3	6.1	4.9 5.2	5.1	4.0
					Bottom	9.7	26.1 26.3	26.2	8.0 8.0	8.0	32.5 31.2	31.9	75.6 73.7	74.7	5.4 5.3	5.4	5.4	8.0 7.6	7.8		3.4 4.6	4.0	
11-Sep-15	Fine	Moderate	12:17		Surface	1.0	27.6 27.7	27.6	8.2 8.2	8.2	25.3 25.5	25.4	90.2 91.4	90.8	6.2 6.3	6.2	5.8	4.8 4.8	4.8		4.4 3.4	3.9	
				10.7	Middle	5.4	26.6 26.6	26.6	8.1 8.1	8.1	31.2 30.9	31.1	79.8 78.6	79.2	5.3 5.3	5.3	0.0	5.7 5.5	5.6	5.3	5.1 5.0	5.1	4.4
					Bottom	9.7	26.5 26.4	26.4	8.1 8.1	8.1	33.4 33.5	33.4	76.2 74.5	75.4	5.1 5.0	5.1	5.1	5.6 5.5	5.6		4.2 4.1	4.2	Ì
14-Sep-15	Sunny	Moderate	13:31		Surface	1.0	27.1 27.1	27.1	7.8 7.8	7.8	29.2 29.0	29.1	92.9 92.9	92.9	6.2 6.2	6.2		4.9 5.0	5.0		4.2 5.0	4.6	
				10.6	Middle	5.3	27.2 27.1	27.1	7.8 7.8	7.8	30.3 29.5	29.9	90.8 91.3	91.1	6.1 6.1	6.1	6.2	5.3 5.1	5.2	5.2	5.4 4.7	5.1	4.8
					Bottom	9.6	27.4 27.1	27.2	7.8 7.8	7.8	30.4 30.2	30.3	89.5 88.9	89.2	6.0 6.0	6.0	6.0	5.3 5.3	5.3		5.0 4.1	4.6	Ì
16-Sep-15	Fine	Moderate	14:21		Surface	1.0	27.7 27.7	27.7	8.2 8.2	8.2	32.2 32.3	32.2	84.4 83.5	84.0	5.6 5.5	5.5		7.4 7.8	7.6		5.3 5.2	5.3	
				10.2	Middle	5.1	27.4 27.5	27.5	8.2 8.2	8.2	33.1 32.9	33.0	83.4 81.2	82.3	5.5 5.3	5.4	5.5	7.7 7.5	7.6	7.6	5.0 4.6	4.8	5.3
					Bottom	9.2	27.5 27.2	27.3	8.2	8.2	35.0	34.9	81.2	81.2	5.3	5.3	5.3	7.7 7.5	7.6		5.8 5.9	5.9	Ì
18-Sep-15	Fine	Moderate	15:19		Surface	1.0	28.4	28.4	8.2	8.2	34.8 26.8	27.1	81.2 83.9	81.8	5.3 5.5	5.4		6.4	6.4		6.2	5.9	
				9.9	Middle	5.0	28.4 27.5	27.6	8.2 8.2	8.2	27.3 33.1	33.3	79.7 77.2	78.7	5.3 5.1	5.2	5.3	6.4	6.6	6.6	5.6 5.9	6.0	5.8
					Bottom	8.9	27.6 27.5	27.5	8.2 8.2	8.2	33.5 34.0	34.1	80.1 77.8	77.2	5.4 5.1	5.0	5.0	6.6 6.6	6.7		6.1 5.3	5.5	
21-Sep-15	Rainy	Moderate	05:38		Surface	1.0	27.5 28.5	28.5	8.1 8.2	8.2	34.1 19.3	19.4	76.5 85.9	85.8	5.0 6.0		5.0	6.7 3.8			5.6 2.3		<u> </u>
	,			40.0			28.5 28.4		8.2 8.1		19.5 23.6		85.6 81.7		6.0 5.6	6.0	5.8	3.7 4.9	3.8		2.9	2.6	0.5
				10.8	Middle	5.4	28.4	28.4	8.1 8.1	8.1	23.7	23.7	83.1 82.4	82.4	5.7 5.6	5.6		4.6 4.5	4.8	4.4	2.5	2.5	2.5
					Bottom	9.8	28.4	28.4	8.1	8.1	26.3	26.0	83.9	83.2	5.6	5.6	5.6	4.6	4.6		2.6	2.5	<u> </u>

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS17 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Sampli	ing	Tempera	ature (°C)	ŗ	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissolv	ed Oxygen	(mg/L)	Т	urbidity(NTI	J)	Suspe	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth ((m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	08:56		Surface	1.0	28.4 28.4	28.4	8.2 8.2	8.2	24.8 24.7	24.7	80.6 82.6	81.6	5.5 5.6	5.5	5.6	3.1 3.3	3.2		3.2 4.1	3.7	
				10.6	Middle	5.3	28.2 28.3	28.2	8.2 8.1	8.2	29.4 28.3	28.8	83.7 89.5	86.6	5.6 5.9	5.7	5.0	4.6 4.2	4.4	3.9	3.5 3.5	3.5	3.6
					Bottom	9.6	28.2 28.3	28.3	8.2 8.1	8.1	31.6 29.9	30.8	77.8 80.6	79.2	5.2 5.3	5.3	5.3	4.2 4.0	4.1		3.6 3.6	3.6	
25-Sep-15	Sunny	Moderate	10:41		Surface	1.0	29.0 29.2	29.1	8.2 8.3	8.3	22.9 21.2	22.1	86.6 87.6	87.1	5.8 6.0	5.9	5.7	5.2 5.3	5.3		4.2 3.3	3.8	
				9.9	Middle	5.0	28.8 28.9	28.8	8.2 8.2	8.2	25.8 26.4	26.1	80.0 85.1	82.6	5.3 5.6	5.4	0.1	8.3 8.2	8.3	8.2	4.2 3.8	4.0	4.0
					Bottom	8.9	28.7 28.7	28.7	8.2 8.2	8.2	31.0 31.5	31.2	82.0 78.4	80.2	5.5 5.2	5.3	5.3	11.1 10.8	11.0		4.3 4.2	4.3	
28-Sep-15	Sunny	Moderate	12:30		Surface	1.0	28.9 28.8	28.9	8.2 8.2	8.2	31.1 31.7	31.4	79.9 80.4	80.2	5.5 5.6	5.5	5.5	10.5 10.3	10.4		4.9 4.0	4.5	
				10.5	Middle	5.3	28.7 28.7	28.7	8.2 8.2	8.2	32.6 33.3	33.0	79.8 78.8	79.3	5.5 5.4	5.5	5.5	10.1 10.5	10.3	10.3	4.8 4.6	4.7	5.0
					Bottom	9.5	28.7 28.7	28.7	8.2 8.2	8.2	33.4 33.4	33.4	80.8 79.1	80.0	5.6 5.4	5.5	5.5	10.2 10.4	10.3		5.7 5.7	5.7	
30-Sep-15	Fine	Moderate	14:01		Surface	1.0	29.4 29.4	29.4	8.2 8.2	8.2	31.4 31.3	31.3	84.6 85.2	84.9	5.6 5.6	5.6	5.5	8.1 8.3	8.2		5.4 5.3	5.4	
				10.3	Middle	5.2	29.1 29.1	29.1	8.2 8.2	8.2	32.1 32.2	32.1	81.5 79.7	80.6	5.3 5.2	5.3	5.5	8.5 8.5	8.5	8.4	6.8 7.0	6.9	6.2
					Bottom	9.3	28.9 28.8	28.8	8.2 8.2	8.2	33.5 33.4	33.4	80.7 80.1	80.4	5.3 5.3	5.3	5.3	8.6 8.5	8.6		6.4 6.2	6.3	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS4 and CS(Mf)3 are considered as upstream contol stations of mid-ebb tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS17 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampl	ling	Tempera	ature (°C)	F	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissolv	ed Oxygen	(mg/L)	Т	urbidity(NTl	J)	Suspe	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	09:02		Surface	1.0	27.1 27.1	27.1	8.0 8.0	8.0	27.8 27.7	27.8	80.1 78.1	79.1	5.4 5.3	5.3		10.1 10.4	10.3		6.4 6.8	6.6	
				10.3	Middle	5.2	26.8 26.8	26.8	8.0 8.0	8.0	29.7 29.7	29.7	77.5 79.4	78.5	5.2 5.4	5.3	5.3	10.2 10.1	10.2	10.3	8.6 9.2	8.9	8.8
					Bottom	9.3	26.9 26.8	26.8	8.0 8.0	8.0	29.7 29.8	29.8	75.5 76.6	76.1	5.1 5.2	5.1	5.1	10.5	10.4		11.2	11.0	
4-Sep-15	Sunny	Moderate	11:08		Surface	1.0	27.0	27.0	8.0	8.0	27.2	27.4	74.4	73.9	5.4	5.4		7.8	8.1		7.0	6.6	
				10.6	Middle	5.3	26.9 26.6	26.6	8.0 8.0	8.0	27.5 28.6	29.1	73.4 73.0	72.6	5.3 5.3	5.3	5.4	8.4 8.8	8.6	8.5	6.1 6.9	7.1	7.3
				10.0	Bottom	9.6	26.5 26.4	26.5	8.0 8.0	8.0	29.5 30.2	30.1	72.2 72.9	72.9	5.2 5.3	5.3	5.3	8.3 8.5	8.8	0.0	7.3 8.5	8.1	7.5
7-Sep-15	Sunny	Moderate	15:55				26.5 29.0		8.0 8.1		30.0 17.5		72.8 81.5		5.3 5.7		5.5	9.0 7.1			7.7 1.6		
	,				Surface	1.0	29.0 28.1	29.0	8.1 8.0	8.1	18.0 21.5	17.7	82.1 76.9	81.8	5.7 5.2	5.7	5.5	7.0 7.2	7.1		1.4 2.3	1.5	
				10.6	Middle	5.3	27.9 27.5	28.0	8.0 7.9	8.0	22.6 29.1	22.0	78.3 70.6	77.6	5.3 4.9	5.2		7.2 7.1	7.2	7.1	2.5	2.4	2.3
			17.00		Bottom	9.6	28.0	27.7	7.9	7.9	26.8	28.0	72.1	71.4	5.0	4.9	4.9	7.1	7.1		2.7	3.0	<u> </u>
9-Sep-15	Sunny	Moderate	17:32		Surface	1.0	27.8 27.9	27.9	8.1 8.0	8.1	25.9 25.8	25.8	92.5 89.0	90.8	6.3 6.1	6.2	5.7	3.8	3.9		4.5 4.7	4.6	
				10.1	Middle	5.1	26.5 26.4	26.5	8.1 8.0	8.0	29.6 29.8	29.7	76.9 76.8	76.9	5.2 5.2	5.2		4.9 4.8	4.9	4.8	4.4 4.4	4.4	5.1
					Bottom	9.1	26.5 26.5	26.5	8.1 7.9	8.0	30.1 30.2	30.1	89.6 82.8	86.2	6.1 5.6	5.9	5.9	5.8 5.5	5.7		6.3 6.2	6.3	
11-Sep-15	Fine	Moderate	18:13		Surface	1.0	27.7 27.8	27.7	8.3 8.3	8.3	27.1 27.1	27.1	98.3 98.1	98.2	6.7 6.6	6.6	6.1	6.7 6.5	6.6		5.4 5.6	5.5	
				10.5	Middle	5.3	27.2 26.8	27.0	8.2 8.2	8.2	30.4 30.7	30.6	80.0 84.4	82.2	5.4 5.6	5.5	0.1	6.6 6.6	6.6	6.6	4.0 3.7	3.9	4.7
					Bottom	9.5	26.5 26.3	26.4	8.2 8.1	8.2	33.4 33.7	33.5	79.8 79.2	79.5	5.4 5.3	5.4	5.4	6.5 6.6	6.6		4.5 4.9	4.7	
14-Sep-15	Sunny	Moderate	07:07		Surface	1.0	26.8 26.8	26.8	7.8 7.8	7.8	30.0 30.3	30.2	89.2 86.8	88.0	6.0 5.8	5.9		4.1 4.0	4.1		4.2	4.0	
				10.9	Middle	5.5	26.7 26.7	26.7	7.8 7.8	7.8	30.8 30.8	30.8	86.9 85.7	86.3	5.8 5.7	5.8	5.9	4.2 4.3	4.3	4.3	3.3 2.9	3.1	3.8
					Bottom	9.9	26.8	26.8	7.8	7.8	30.8	31.9	84.7	84.1	5.7	5.6	5.6	4.4	4.5		4.2	4.2	
16-Sep-15	Fine	Moderate	08:24		Surface	1.0	26.8 27.4	27.4	7.8 8.2	8.2	33.1 31.1	31.3	83.5 80.8	81.4	5.6 5.4	5.4		4.5 10.2	10.4		4.2 5.4	5.2	
				10.1	Middle	5.1	27.4 27.3	27.3	8.2 8.2	8.2	31.4 32.4	32.4	81.9 81.6	81.0	5.4 5.4	5.3	5.4	10.5	10.5	10.5	4.9 6.0	6.0	5.7
					Bottom	9.1	27.3 27.2	27.2	8.2 8.2	8.2	32.4 33.8	33.8	80.4 80.0	79.9	5.3 5.3	5.3	5.3	10.6 10.2	10.5		5.9 5.1	5.8	
18-Sep-15	Fine	Moderate	09:44		Surface	1.0	27.3 27.8	27.7	8.1 8.1	8.1	33.8 29.6	29.9	79.7 79.7	80.8	5.3 5.3	5.4	0.0	10.8 5.6	5.7		6.4 4.0	3.7	
							27.6 27.5		8.1 8.1		30.2 32.5		81.9 79.6		5.4 5.3		5.3	5.8 14.5			3.4 5.0		
				11.0	Middle	5.5	27.5 27.5	27.5	8.2 8.2	8.2	32.3 32.6	32.4	78.8 77.8	79.2	5.2 5.1	5.2		14.2 16.5	14.4	12.1	5.4 7.8	5.2	5.5
21 Sop 15	Cloudy	Moderate	13:28		Bottom	10.0	27.5	27.5	8.1	8.1	32.6	32.6	77.4 88.2	77.6	5.1	5.1	5.1	15.8	16.2		7.4	7.6	<u>i</u>
21-Sep-15	Cloudy	Moderate	13.20		Surface	1.0	28.5 28.5	28.5	8.2 8.2	8.2	21.5	21.5	87.8	88.0	6.1 6.1	6.1	5.9	2.6	2.7		4.2 3.0	3.6	İ
				11.1	Middle	5.6	28.4 28.4	28.4	8.1 8.1	8.1	24.2 24.3	24.3	84.4 83.8	84.1	5.7 5.7	5.7		2.7	2.8	2.7	3.1 2.2	2.7	3.2
					Bottom	10.1	28.4 28.4	28.4	8.1 8.1	8.1	25.0 25.1	25.0	84.4 82.9	83.7	5.7 5.6	5.7	5.7	2.7 2.7	2.7		3.8 2.8	3.3	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at IS17 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampling	Ter	perature (°C)	ŗ	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissolv	red Oxygen	(mg/L)	Т	urbidity(NTl	J)	Susper	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth (m)) Val	e Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	16:00		Surface 1	1.0 28	28 /	8.2 8.2	8.2	25.4 25.5	25.4	85.1 88.5	86.8	5.7 5.9	5.8	5.6	3.9 4.1	4.0		5.9 4.8	5.4	
				10.7	Middle 5	5.4 28	28.4	8.2 8.2	8.2	29.7 29.7	29.7	80.6 83.0	81.8	5.3 5.5	5.4	5.0	3.6 3.7	3.7	3.8	5.7 5.7	5.7	5.6
					Bottom 9	9.7 28 28		8.2 8.2	8.2	30.4 30.8	30.6	85.8 80.9	83.4	5.6 5.3	5.5	5.5	3.7 3.5	3.6		5.3 5.9	5.6	
25-Sep-15	Sunny	Moderate	17:18		Surface 1	1.0 29		8.3 8.3	8.3	21.9 22.3	22.1	97.4 93.6	95.5	6.6 6.3	6.4	6.0	7.4 7.4	7.4		6.8 7.0	6.9	
				10.5	Middle 5	5.3 28 29		8.2 8.3	8.2	27.5 25.9	26.7	90.2 80.1	85.2	5.8 5.2	5.5	0.0	7.3 7.2	7.3	7.3	6.3 6.8	6.6	7.0
					Bottom 9	9.5 28 28		8.2 8.2	8.2	31.9 31.9	31.9	80.8 78.6	79.7	5.4 5.1	5.2	5.2	7.5 7.1	7.3		8.0 7.1	7.6	
28-Sep-15	Sunny	Moderate	06:30		Surface 1	1.0 28	28.8	8.2 8.2	8.2	29.2 29.2	29.2	83.2 83.7	83.5	5.8 5.8	5.8	5.7	6.8 6.7	6.8		3.9 3.4	3.7	
				11.0	Middle 5	5.5 28		8.2 8.2	8.2	32.6 32.6	32.6	81.0 80.3	80.7	5.6 5.5	5.6	5.7	6.8 6.9	6.9	6.9	3.2 3.3	3.3	3.3
					Bottom 1	0.0 28	28.8	8.2 8.2	8.2	32.8 32.7	32.8	81.0 82.3	81.7	5.6 5.7	5.6	5.6	6.9 6.9	6.9		3.0 2.5	2.8	
30-Sep-15	Fine	Moderate	07:45		Surface 1	1.0 28		8.2 8.2	8.2	29.8 29.9	29.8	82.3 80.8	81.6	5.5 5.4	5.4	5.4	15.7 15.3	15.5		6.2 6.1	6.2	
				10.1	Middle 5	5.1 28		8.2 8.2	8.2	30.4 29.8	30.1	80.4 80.9	80.7	5.3 5.4	5.4	5.4	15.4 16.2	15.8	15.8	8.5 8.6	8.6	8.3
					Bottom 9	9.1 28		8.2 8.2	8.2	31.8 31.7	31.8	79.6 81.4	80.5	5.3 5.4	5.4	5.4	15.9 16.5	16.2		10.6 9.6	10.1	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS6, CSA and CS(Mf)5 are considered as upstream contol stations of mid-flood tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR3 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Sampl	ing	Tempera	ature (°C)	ŀ	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NTl	J)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	-		Surface	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
				1.4	Middle	0.7	26.8 26.8	26.8	8.0 8.0	8.0	29.0 29.0	29.0	84.4 85.3	84.9	5.7 5.8	5.7	5.7	20.4 20.5	20.5	20.5	23.2 23.7	23.5	23.5
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
4-Sep-15	Sunny	Moderate	-		Surface	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
				1.6	Middle	0.8	27.9 27.9	27.9	8.0 7.9	8.0	28.6 28.5	28.6	89.5 90.5	90.0	6.3 6.4	6.4	6.4	7.4 7.3	7.4	7.4	8.5 7.2	7.9	7.9
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
7-Sep-15	Cloudy	Moderate	-		Surface	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
				1.8	Middle	0.9	29.4 29.4	29.4	8.1 8.1	8.1	19.2 19.2	19.2	90.9 91.4	91.2	6.3 6.3	6.3	6.3	3.8 3.8	3.8	3.8	2.7 2.8	2.8	2.8
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	İ
9-Sep-15	Sunny	Moderate	-		Surface	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
				1.6	Middle	0.8	27.6 27.6	27.6	7.9 7.9	7.9	24.6 24.7	24.7	94.6 93.6	94.1	6.8 6.7	6.8	6.8	4.1 4.4	4.3	4.3	7.4 8.5	8.0	8.0
					Bottom	-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	1
11-Sep-15	Fine	Moderate	-		Surface	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
				1.2	Middle	0.6	27.6 27.6	27.6	8.2 8.2	8.2	27.0 26.9	27.0	94.4 95.7	95.1	6.4 6.5	6.4	6.4	6.1 6.0	6.1	6.1	7.4 7.2	7.3	7.3
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
14-Sep-15	Sunny	Moderate	0		Surface	0.0	0.0 0.0	0.0	-	-	0.0 0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0		-	-	
				1.2	Middle	0.6	27.4 27.4	27.4	8.0 8.0	8.0	27.4 27.5	27.4	87.2 86.8	87.0	5.8 5.8	5.8	5.8	6.6	6.7	6.7	4.5 4.2	4.4	4.4
					Bottom	0.0	0.0 0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		-	-	
16-Sep-15	Fine	Moderate	-		Surface	-	-	-	-	-	-	-	-	-	-	-	0.4	-	-		-	-	
				1.6	Middle	0.8	27.8 27.8	27.8	8.3 8.4	8.3	30.0 29.2	29.6	88.9 93.2	91.1	5.9 6.2	6.1	6.1	10.9 10.8	10.9	10.9	11.8 12.2	12.0	12.0
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
18-Sep-15	Fine	Moderate	-		Surface	-	-	-	-	-	-	-	-	-	-	-	5.9	-	-		-	-	
				1.6	Middle	0.8	28.3 28.3	28.3	8.3 8.3	8.3	31.7 32.0	31.8	91.8 90.0	90.9	6.0 5.9	5.9	5.8	8.2 8.4	8.3	8.3	7.3 7.9	7.6	7.6
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
21-Sep-15	Rainy	Moderate	-		Surface	-	-	-	-	1	-	-	-	-	-	-	6.0	-	-	_	-	-	
				1.4	Middle	0.7	28.5 28.5	28.5	8.2 8.2	8.2	23.5 23.6	23.5	88.3 88.9	88.6	6.0 6.1	6.0	0.0	7.1 6.7	6.9	6.9	10.2 10.0	10.1	10.1
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR3 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Sampli	ing	Tempera	ature (°C)	F	Н	Salinit	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NT	U)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth ((m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	-		Surface	-	-	-	-	-	-	-	-	-	-	-	6.0	-	-		-	-	
				1.6	Middle	0.8	28.5 28.6	28.6	8.2 8.2	8.2	23.0 23.0	23.0	86.5 87.9	87.2	5.9 6.0	6.0	6.0	4.6 4.6	4.6	4.6	5.3 5.4	5.4	5.4
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
25-Sep-15	Sunny	Moderate	-		Surface	-	1 1	-	-	-	-	-	-	-	1 1	-	6.2	-	-		-	-	
				1.6	Middle	0.8	29.6 29.2	29.4	8.3 8.3	8.3	22.1 22.3	22.2	94.1 88.9	91.5	6.3 6.0	6.2	0.2	5.2 5.3	5.3	5.3	4.4 5.3	4.9	4.9
					Bottom	-		-	-	-	-	-	-	-		-	-	-	-		-	-	
28-Sep-15	Sunny	Moderate	-		Surface	,	1 1	-		-	-	-	-	-		-	5.4	-	-		-	-	
				1.6	Middle	0.8	29.3 29.3	29.3	8.3 8.3	8.3	29.1 29.1	29.1	81.7 82.9	82.3	5.3 5.4	5.4	3.4	7.8 7.8	7.8	7.8	7.6 7.0	7.3	7.3
					Bottom	-		-	-	-	-	-	-	-		-	-	-	-		-	-	
30-Sep-15	Fine	Moderate	-		Surface	-		-		-	-	-	-	-	-	-	5.7	-	-	_	-	-	
				1.4	Middle	0.7	29.0 29.0	29.0	8.3 8.3	8.3	32.7 32.9	32.8	88.9 86.7	87.8	5.8 5.7	5.7	5.7	17.8 17.8	17.8	17.8	23.6 23.4	23.5	23.5
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS4 and CS(Mf)3 are considered as upstream contol stations of mid-ebb tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR3 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampl	ing	Tempera	ature (°C)	ī	Н	Salinit	ty (ppt)	DO Satu	ration (%)	Dissolv	red Oxygen	(mg/L)	Т	urbidity(NT	U)	Suspe	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	-		Surface	-		-	-	-	-	-	-	-	-	-		-	-		-	-	
				1.4	Middle	0.7	26.9 26.9	26.9	8.1 8.1	8.1	30.0 30.0	30.0	81.4 81.2	81.3	5.5 5.5	5.5	5.5	15.6 15.6	15.6	15.6	16.4 15.5	16.0	16.0
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
4-Sep-15	Sunny	Moderate	-		Surface	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
				1.8	Middle	0.9	27.8 27.8	27.8	8.0 8.0	8.0	27.6 27.6	27.6	87.3 87.1	87.2	6.2 6.2	6.2	6.2	4.2 4.2	4.2	4.2	4.1 5.2	4.7	4.7
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
7-Sep-15	Sunny	Moderate	-		Surface	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
				1.4	Middle	0.7	29.3 29.3	29.3	8.1 8.1	8.1	19.1 19.4	19.3	94.9 93.7	94.3	6.5 6.4	6.5	6.5	4.7 4.8	4.8	4.8	2.4 2.9	2.7	2.7
					Bottom	-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	
9-Sep-15	Sunny	Moderate	-		Surface	-	-	-	-	-	-	-	-	-	-	-	7.3	-	-		-	-	
				1.6	Middle	0.8	28.6 28.6	28.6	8.1 8.1	8.1	22.8 22.9	22.8	105.9 109.3	107.6	7.2 7.5	7.3	7.3	5.0 4.8	4.9	4.9	5.8 6.4	6.1	6.1
					Bottom	-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	
11-Sep-15	Fine	Moderate	-		Surface	-	-	-	-	-	-	-	-	-	-	-	8.6	-	-		-	-	
				1.6	Middle	8.0	28.3 28.4	28.4	8.5 8.5	8.5	29.6 29.5	29.6	127.6 133.6	130.6	8.4 8.8	8.6	8.0	7.5 7.3	7.4	7.4	11.5 12.1	11.8	11.8
					Bottom	-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	
14-Sep-15	Sunny	Moderate	0		Surface	0.0	0.0 0.0	0.0	-	-	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	5.7	0.0 0.0	0.0		-	-	
				1.4	Middle	0.7	27.1 27.2	27.2	7.8 7.8	7.8	28.9 28.9	28.9	85.0 84.6	84.8	5.7 5.7	5.7	0	5.4 5.2	5.3	5.3	5.2 5.0	5.1	5.1
					Bottom	0.0	0.0 0.0	0.0	-	-	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0	0.0 0.0	0.0		-	-	
16-Sep-15	Fine	Moderate	-		Surface	-	-	-	-	-	-	-	-	-	-	-	5.6	-	-		-	-	
				1.8	Middle	0.9	27.6 27.6	27.6	8.1 8.1	8.1	31.2 31.2	31.2	85.0 84.9	85.0	5.6 5.6	5.6		7.5 7.5	7.5	7.5	8.2 7.8	8.0	8.0
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
18-Sep-15	Fine	Moderate	-		Surface	-	-	-	-	-	-	-	-	-	-	-	5.7	-	-		-	-	
				1.6	Middle	8.0	27.8 27.8	27.8	8.1 8.1	8.1	30.8 30.8	30.8	85.9 86.1	86.0	5.7 5.7	5.7		6.7 6.7	6.7	6.7	7.3 7.7	7.5	7.5
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
21-Sep-15	Cloudy	Moderate	-		Surface	-	-	-	-	-	-	-	-	-	-	-	6.8	-	-		-	-	
				1.6	Middle	8.0	28.4 28.4	28.4	8.3 8.2	8.3	22.4 22.5	22.4	100.2 97.9	99.1	6.9 6.7	6.8		3.7 3.8	3.8	3.8	2.9 3.7	3.3	3.3
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR3 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampl	ing	Temper	ature (°C)	F	Н	Salinit	ty (ppt)	DO Satu	ration (%)	Dissolv	ed Oxygen	(mg/L)	Т	urbidity(NTI	J)	Suspe	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	-		Surface	-	-	-	-	-	-	-	-	-	-	-	7.2	-	-		-	-	
				1.6	Middle	0.8	29.5 29.5	29.5	8.5 8.5	8.5	22.2 22.0	22.1	108.4 105.4	106.9	7.3 7.1	7.2	1.2	3.3 3.1	3.2	3.2	4.5 4.5	4.5	4.5
					Bottom	-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	
25-Sep-15	Sunny	Moderate	-		Surface	-	-	-	-	-	-	-	-	-	-	-	8.3	-	-		-	-	
				1.4	Middle	0.7	30.5 30.5	30.5	8.5 8.5	8.5	21.8 21.5	21.6	124.5 125.0	124.8	8.3 8.3	8.3	0.5	9.9 9.8	9.9	9.9	11.3 11.6	11.5	11.5
					Bottom	-		-	-	-	-	-	-	-		-	-	-	-		-	-	
28-Sep-15	Sunny	Moderate	-		Surface		-	-	-	-	-	-	-	-	-	-	6.0	-	-		-	-	
				1.4	Middle	0.7	29.2 29.2	29.2	8.2 8.2	8.2	28.7 28.8	28.8	86.7 86.8	86.8	6.0 6.0	6.0	0.0	7.9 7.9	7.9	7.9	8.4 7.9	8.2	8.2
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
30-Sep-15	Fine	Moderate	-		Surface	-	-	-	-	-	-	-	-	-	-	-	5.5	-	-		-	-	
				1.4	Middle	0.7	28.9 28.9	28.9	8.2 8.2	8.2	30.2 30.3	30.3	82.2 82.2	82.2	5.5 5.5	5.5	5.5	12.8 12.6	12.7	12.7	14.3 14.5	14.4	14.4
					Bottom	-		-	-	-	-	-	-	-	-	-	-	-			-	-	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS6, CSA and CS(Mf)5 are considered as upstream contol stations of mid-flood tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR4(N) - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Samp	ling	Tempera	ature (°C)	F	Н	Salini	ity (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NTl	J)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	14:41		Surface	1.0	27.0 27.0	27.0	8.1 8.1	8.1	28.8 29.0	28.9	81.6 76.9	79.3	5.5 5.2	5.4		9.6 9.9	9.8		8.6 9.3	9.0	
				3.6	Middle	-	-	-	-	-	-	-	-	-	-	-	5.4	-	-	9.7	-	-	8.9
					Bottom	2.6	26.9 26.9	26.9	8.1 8.1	8.1	29.6 29.8	29.7	78.1 76.2	77.2	5.3 5.2	5.2	5.2	9.5 9.5	9.5		9.6 8.0	8.8	
4-Sep-15	Sunny	Moderate	16:13		Surface	1.0	27.8	27.8	8.0	8.0	27.6	27.4	85.8	86.2	6.1	6.1		7.4	7.7		8.1	8.3	
				3.6	Middle	_	27.9	-	8.0	-	27.3	_	86.5	-	6.2	_	6.1	7.9	_	8.0	8.4	-	8.7
					Bottom	2.6	27.7	27.7	8.0	8.0	28.8	28.8	85.8	86.7	6.1	6.1	6.1	7.9	8.2		9.4	9.0	
7-Sep-15	Cloudy	Moderate	09:03		Surface	1.0	27.6 29.1	29.1	8.0	8.0	28.9 18.4	18.4	87.5 87.8	88.0	6.2	6.1		8.5 8.6	8.6		8.6 8.6	8.4	
				3.8	Middle	1.0	29.1	-	8.0	-	18.4	-	88.2	-	6.1	0.1	6.1	8.6	-	8.7	8.2	-	6.1
				3.6	Bottom	2.8	29.1	29.2	8.0	8.0	19.2	19.2	88.2	88.0	6.1	6.1	6.1	8.8	8.8	0.7	3.9	3.7	0.1
9-Sep-15	Sunny	Moderate	11:23				29.2 27.9		8.0		19.1 25.3		87.8 83.5		6.1 6.0		0.1	8.8 7.0			3.4 2.6		
	,				Surface	1.0	27.3	27.6	8.0	8.0	26.1	25.7	81.9	82.7	5.9	6.0	6.0	7.6	7.3		2.9	2.8	
				3.8	Middle	-	27.2	-	7.9	-	29.4	-	- 85.1	-	6.1	-		- 6.6	-	7.0	3.4	-	3.3
11-Sep-15	Fine	Moderate	12:37		Bottom	2.8	26.6 27.6	26.9	8.0	8.0	29.9 28.8	29.6	82.1 98.8	83.6	5.9 6.6	6.0	6.0	6.6	6.6		3.9	3.7	<u> </u>
11-Sep-15	Fille	Moderate	12.37		Surface	1.0	27.5	27.5	8.3	8.3	28.8	28.8	100.1	99.5	6.7	6.7	6.7	6.6	6.6		6.6	6.3	
				3.8	Middle	-		-		-	-	-		-		-		-	-	6.6	-	-	6.4
					Bottom	2.8	27.2 27.5	27.3	8.2 8.3	8.2	30.0 29.7	29.9	98.3 101.5	99.9	6.6 6.8	6.7	6.7	6.6 6.6	6.6		6.5 6.5	6.5	
14-Sep-15	Sunny	Moderate	13:12		Surface	1.0	27.5 27.4	27.4	7.9 7.8	7.9	28.4 28.5	28.5	94.6 93.7	94.2	6.3 6.3	6.3	6.3	5.5 5.6	5.6		4.0 4.2	4.1	
				3.8	Middle	0.0	0.0 0.0	0.0		-	0.0 0.0	0.0	0.0 0.0	0.0	0.0	0.0	0.0	0.0 0.0	0.0	5.7	-	-	3.6
					Bottom	2.8	27.6 27.5	27.6	7.9 7.9	7.9	28.4 28.4	28.4	92.2 91.4	91.8	6.2 6.1	6.1	6.1	5.7 5.8	5.8		3.3 2.7	3.0	
16-Sep-15	Fine	Moderate	13:59		Surface	1.0	27.8 27.8	27.8	8.2 8.2	8.2	31.9 31.9	31.9	89.4 89.1	89.3	5.9 5.9	5.9	5.0	6.5 6.4	6.5		6.1 5.7	5.9	
				3.7	Middle	-		-		-	-	-		-		-	5.9	-	-	6.6	-	-	5.6
					Bottom	2.7	27.8 27.7	27.7	8.2 8.2	8.2	32.0 32.2	32.1	88.9 92.1	90.5	5.9 6.1	6.0	6.0	6.6 6.5	6.6		4.8 5.5	5.2	
18-Sep-15	Fine	Moderate	15:00		Surface	1.0	28.2 28.1	28.1	8.2 8.2	8.2	30.7 31.0	30.9	89.0 89.3	89.2	5.9 5.9	5.9		9.4 9.5	9.5		5.4 5.6	5.5	
				3.7	Middle	-	-	-	-	-		-	-	-	-	-	5.9	-	-	9.5	-	-	5.8
					Bottom	2.7	27.9 28.0	28.0	8.2 8.2	8.2	31.5 31.4	31.5	89.7 89.0	89.4	5.9 5.9	5.9	5.9	9.6 9.4	9.5		6.0	6.0	1
21-Sep-15	Rainy	Moderate	06:03		Surface	1.0	28.5 28.5	28.5	8.1 8.1	8.1	21.6 21.6	21.6	82.8 87.3	85.1	5.7 6.0	5.9		5.9 5.5	5.7		2.1 2.8	2.5	
				3.8	Middle	-	-	-	-	-	-	-	-	-	-	-	5.9	-	-	6.7	-	-	2.6
					Bottom	2.8	28.5	28.6	8.1	8.1	23.6	23.9	85.8	83.6	5.8	5.7	5.7	7.4	7.6		2.4	2.6	1
						-	28.6		8.1	-	24.2		81.3		5.5			7.8			2.8		<u> </u>

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR4(N) - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Samplin	ng	Tempera	ature (°C)	p	Н	Salinit	y (ppt)	DO Satu	ration (%)	Dissolv	red Oxygen	(mg/L)	Т	urbidity(NTl	J)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth (r	m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	09:31		Surface	1.0	28.5 28.6	28.6	8.2 8.2	8.2	24.7 24.7	24.7	78.1 81.1	79.6	5.3 5.5	5.4	5.4	8.9 8.7	8.8		6.4 5.3	5.9	
				3.6	Middle	-	-	-		-	1 1	-	1 1	-	-	-	5.4	-	-	9.0	-	1	6.7
					Bottom	2.6	28.4 28.6	28.5	8.1 8.2	8.1	29.3 28.5	28.9	78.5 79.8	79.2	5.2 5.3	5.2	5.2	8.8 9.6	9.2		7.8 7.1	7.5	
25-Sep-15	Sunny	Moderate	11:04		Surface	1.0	29.8 29.9	29.8	8.3 8.3	8.3	22.5 22.5	22.5	107.9 106.5	107.2	7.2 7.1	7.2	7.2	8.5 8.6	8.6		3.5 3.4	3.5	
				3.7	Middle	-	-	-		-		-		-	-	-	7.2	-	-	8.7	-	-	3.3
					Bottom	2.7	29.5 29.8	29.6	8.3 8.3	8.3	23.7 23.5	23.6	102.5 107.6	105.1	6.9 7.2	7.0	7.0	8.5 8.8	8.7		2.7 3.5	3.1	
28-Sep-15	Sunny	Moderate	12:07		Surface	1.0	29.2 29.2	29.2	8.2 8.2	8.2	28.8 28.8	28.8	78.5 78.5	78.5	5.1 5.1	5.1	5.1	6.5 6.5	6.5		2.9 3.4	3.2	
				3.7	Middle	-	-	-		-		-		-	-	-	3.1	-	-	6.6	-	ı	3.4
					Bottom	2.7	29.2 29.2	29.2	8.2 8.2	8.2	29.1 29.5	29.3	78.6 76.7	77.7	5.1 5.0	5.1	5.1	6.6 6.6	6.6		3.3 3.7	3.5	
30-Sep-15	Fine	Moderate	13:39		Surface	1.0	29.2 29.2	29.2	8.2 8.2	8.2	31.5 31.5	31.5	90.0 86.7	88.4	5.9 5.7	5.8	5.8	10.7 10.5	10.6		7.8 7.0	7.4	
				3.8	Middle	-	-	-		-	-	-		-	-	-	0.0	-	-	10.5	-	-	7.7
					Bottom	2.8	29.1 29.3	29.2	8.2 8.2	8.2	31.7 31.2	31.4	87.9 96.5	92.2	5.8 6.3	6.1	6.1	10.2 10.5	10.4		8.4 7.5	8.0	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS4 and CS(Mf)3 are considered as upstream contol stations of mid-ebb tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR4(N) - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Samp	ling	Tempera	ature (°C)	F	Н	Salini	ity (ppt)	DO Satu	ration (%)	Dissolv	ed Oxygen	(mg/L)	Т	urbidity(NTl	J)	Suspe	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	09:26		Surface	1.0	27.0 27.0	27.0	8.0 8.0	8.0	28.3 28.3	28.3	79.9 79.5	79.7	5.4 5.4	5.4		8.6 8.4	8.5		8.0 8.7	8.4	
				3.6	Middle	-	-	-	-	-	-	-	-	-	-	-	5.4	-	-	8.7	-	-	8.7
					Bottom	2.6	27.0 26.9	27.0	8.0	8.0	28.5 28.9	28.7	80.1 79.6	79.9	5.4 5.4	5.4	5.4	8.7 8.8	8.8		8.9 8.9	8.9	
4-Sep-15	Sunny	Moderate	11:33		Surface	1.0	27.7	27.8	8.0	8.0	25.6	25.5	79.0	79.2	5.7	5.7		7.7	7.4		8.0	7.8	
				3.6	Middle	_	27.9		8.0		25.4		79.4	-	5.7	_	5.7	7.1	_	7.9	7.5	_	7.8
				0.0	Bottom	2.6	27.4	27.6	8.0	8.0	26.2	25.9	78.7	78.8	5.7	5.7	5.7	8.5	8.3	7.0	7.4	7.8	1.0
7-Sep-15	Sunny	Moderate	15:31				27.8 29.2		8.0 8.1		25.6 18.0		78.9 90.6		5.7 6.3		5.7	8.0 9.0			8.1 10.9		
	,				Surface	1.0	29.2	29.2	8.1	8.1	18.0	18.0	91.6	91.1	6.4	6.3	6.3	9.0	9.0		9.5	10.2	
				3.8	Middle	-	- 29.2	-	8.0	-	18.4	-	91.0	-	6.3	-		9.4	-	9.2	7.6	-	9.0
0.000.45	Comment	Madagata	47.02		Bottom	2.8	29.1 27.7	29.1	8.1	8.1	18.3	18.4	93.1 99.7	92.1	6.5	6.4	6.4	9.1	9.3		7.9	7.8	
9-Sep-15	Sunny	Moderate	17:03		Surface	1.0	27.7	27.7	8.1 8.1	8.1	26.9 26.8	26.9	101.5	100.6	6.8 6.9	6.8	6.8	12.8 11.7	12.3		16.3 14.7	15.5	
				3.5	Middle	-	-	-		-	-	-	-	-	-	-		-	-	12.1	-	-	16.2
					Bottom	2.5	27.7 27.6	27.7	8.1 8.1	8.1	26.9 26.8	26.9	100.9 102.4	101.7	6.8 7.0	6.9	6.9	12.0 11.7	11.9		17.0 16.7	16.9	
11-Sep-15	Fine	Moderate	17:52		Surface	1.0	27.9 27.9	27.9	8.4 8.4	8.4	28.6 29.0	28.8	115.9 112.0	114.0	7.8 7.5	7.6	7.6	8.7 8.9	8.8		16.4 18.6	17.5	
				3.7	Middle	-	-	-	-	-	-	-	-	-	-	-	7.0	-	-	8.9	-	-	17.2
					Bottom	2.7	27.9 27.8	27.8	8.4 8.3	8.3	29.2 29.8	29.5	114.6 104.0	109.3	7.7 6.9	7.3	7.3	8.8 8.9	8.9		17.5 16.0	16.8	
14-Sep-15	Sunny	Moderate	07:25		Surface	1.0	26.9 26.9	26.9	7.8 7.8	7.8	29.4 29.3	29.3	89.2 90.4	89.8	6.0 6.1	6.0		6.6 6.7	6.7		4.9 4.4	4.7	
				3.9	Middle	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	6.8	-	-	4.7
					Bottom	2.9	26.9 27.0	26.9	7.8 7.8	7.8	29.4 29.3	29.4	86.5 86.6	86.6	5.8 5.8	5.8	5.8	6.8 6.8	6.8		5.0	4.7	
16-Sep-15	Fine	Moderate	08:42		Surface	1.0	27.4	27.4	8.1	8.1	31.1	31.1	81.4	81.4	5.4	5.4		9.3	9.5		7.9	8.6	
				3.7	Middle	_	27.4	_	8.1	_	31.0	_	81.4	_	5.4	_	5.4	9.7	_	9.6	9.2	_	8.1
					Bottom	2.7	27.4	27.4	8.1	8.1	31.3	31.4	81.5	81.5	5.4	5.4	5.4	9.5	9.6		7.7	7.6	
18-Sep-15	Fine	Moderate	10:10		Surface	1.0	27.3 27.7	27.7	8.1 8.1	8.1	31.5 28.9	28.9	81.5 80.1	80.2	5.4 5.4	5.4	0	9.6 10.7	10.6		7.4 5.5	5.3	
				3.8	Middle	1.0	27.7	-	8.1	0.1	28.9	20.9	80.2	- 00.2	5.4	5.4	5.4	10.5	-	10.6	5.1	5.5	5.4
				3.8		-	- 27.6		8.1		30.1		80.1		5.3	-		10.5		0.01	5.8		5.4
21-Sep-15	Cloudy	Moderate	12:55		Bottom	2.8	27.7	27.6	8.1 8.2	8.1	30.0	30.1	80.4 93.1	80.3	5.4 6.5	5.4	5.4	10.6 7.8	10.6		5.0	5.4	<u> </u>
21-06p-10	Cloudy	iviouerate	12.00		Surface	1.0	28.5	28.5	8.2	8.2	20.8	20.5	94.4	93.8	6.5	6.5	6.5	7.7	7.8		3.4	3.8	
				3.4	Middle	-	-	-	-	-	-	-	-	-	-	-		-	-	8.1	-	-	3.5
					Bottom	2.4	28.5 28.5	28.5	8.2 8.2	8.2	21.3 21.8	21.6	92.8 97.1	95.0	6.4 6.7	6.5	6.5	8.5 8.1	8.3		3.1 3.1	3.1	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR4(N) - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampli	ing	Tempera	ature (°C)	ŗ	Н	Salinit	y (ppt)	DO Satu	ration (%)	Dissolv	ed Oxygen	(mg/L)	Т	urbidity(NT	J)	Susper	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth ((m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	15:30		Surface	1.0	29.2 29.2	29.2	8.3 8.3	8.3	24.2 24.3	24.2	100.8 101.0	100.9	6.8 6.8	6.8	6.8	12.2 12.9	12.6		6.9 7.0	7.0	
				3.5	Middle	-		-		-	-	-		-		-	0.0	-	-	13.0	-	1	7.8
					Bottom	2.5	28.9 29.1	29.0	8.3 8.3	8.3	25.0 24.6	24.8	98.2 100.8	99.5	6.6 6.8	6.7	6.7	13.1 13.4	13.3		8.6 8.4	8.5	
25-Sep-15	Sunny	Moderate	16:58		Surface	1.0	29.9 29.9	29.9	8.3 8.3	8.3	22.2 22.3	22.3	107.0 109.7	108.4	7.2 7.4	7.3	7.3	16.5 16.3	16.4		5.2 4.2	4.7	
				3.6	Middle	-		-	1 1	-	-	-		-		-	7.0	-	-	16.5	-	-	5.0
					Bottom	2.6	29.9 29.8	29.8	8.3 8.3	8.3	22.6 22.9	22.8	109.3 102.8	106.1	7.3 6.9	7.1	7.1	16.4 16.5	16.5		6.1 4.4	5.3	
28-Sep-15	Sunny	Moderate	06:50		Surface	1.0	29.0 29.0	29.0	8.2 8.2	8.2	28.4 28.5	28.5	84.1 84.7	84.4	5.9 5.9	5.9	5.9	7.6 7.3	7.5		3.7 2.6	3.2	
				3.7	Middle	-		-		-	-	-		-		-	5.5	-	-	7.6	-	-	3.0
					Bottom	2.7	29.0 29.0	29.0	8.2 8.2	8.2	29.5 29.5	29.5	83.7 84.9	84.3	5.8 5.9	5.9	5.9	7.5 7.7	7.6		2.6 2.9	2.8	
30-Sep-15	Fine	Moderate	08:04		Surface	1.0	28.9 28.9	28.9	8.2 8.2	8.2	29.3 29.2	29.2	81.3 82.1	81.7	5.4 5.5	5.5	5.5	10.5 10.3	10.4		6.3 6.4	6.4	
				3.7	Middle	-		-		-	-	-		-	-	-	0.0	-	-	10.6	-	-	6.2
					Bottom	2.7	28.8 28.9	28.8	8.1 8.1	8.1	29.6 29.5	29.5	81.2 82.0	81.6	5.4 5.5	5.5	5.5	10.5 10.9	10.7		5.3 6.4	5.9	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS6, CSA and CS(Mf)5 are considered as upstream contol stations of mid-flood tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR5 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Samp	ling	Tempera	ature (°C)	ŗ	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissolv	ed Oxygen	(mg/L)	Т	urbidity(NTl	J)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	15:22		Surface	1.0	24.4 24.4	24.4	7.8 7.8	7.8	26.1 25.8	26.0	83.3 81.0	82.2	6.0 5.8	5.9	.	13.5 14.7	14.1		15.4 15.1	15.3	
				5.0	Middle	-	-	-	-	-	-	-	-	-	-	-	5.9	-	-	14.3	-	-	16.6
					Bottom	4.0	24.4 24.3	24.3	7.8 7.9	7.9	25.9 27.1	26.5	82.3 80.9	81.6	5.9 5.7	5.8	5.8	13.9 14.8	14.4		17.4 18.3	17.9	
4-Sep-15	Sunny	Moderate	16:15		Surface	1.0	25.0	25.2	7.8	7.8	18.9	18.4	93.0	87.7	6.8	6.4		3.5	3.6		5.2	5.8	
				4.7	Middle	_	25.5	-	7.7	-	17.9 -	_	82.4	_	6.0	_	6.4	3.6	_	3.7	6.4	-	5.2
					Bottom	3.7	24.7	25.0	7.8	7.8	22.4	21.7	86.2	83.0	6.4	6.1	6.1	3.7	3.7		4.1	4.5	
7-Sep-15	Cloudy	Moderate	09:09		Surface	1.0	25.3 26.5	26.5	7.7	7.9	21.1 11.8	11.8	79.8 89.3	88.9	5.9 6.7	6.7		3.6	3.7		4.8 3.2	3.7	
				4.8	Middle	1.0	26.5	-	7.9	-	11.9		88.4	-	6.7	0.7	6.7	3.6	-	3.7	4.2	-	3.9
				4.0	Bottom	3.8	26.4	26.4	7.8	7.8	14.2	14.0	89.4	89.4	6.6	6.7	6.7	3.6	3.6	3.7	3.9	4.0	3.9
9-Sep-15	Sunny	Moderate	11:04				26.4 24.7		7.8 8.0		13.8 15.2		89.4 75.8		6.7 5.7		0.7	3.5 1.4			4.0 2.8		
·	,				Surface	1.0	24.5	24.6	8.0	8.0	15.6	15.4	73.0	74.4	5.6	5.6	5.6	1.3	1.4		3.3	3.1	
				5.3	Middle	-	24.1	-	8.0	-	19.0	-	73.9	-	5.6	-		1.4	-	1.4	4.2	-	3.5
11-Sep-15	Fine	Moderate	12:28		Bottom	4.3	24.6 25.3	24.4	8.0	8.0	18.9 20.5	19.0	74.6 96.3	74.3	5.6 7.0	5.6	5.6	1.3	1.4		3.4	3.8	<u> </u>
11-Sep-15	Fille	Moderate	12.20		Surface	1.0	25.4	25.3	8.0	8.0	20.0	20.2	97.0	96.7	7.1	7.1	7.1	2.1	2.1		6.4	6.6	
				4.7	Middle	-		-		-		-	-	-	-	-		-	-	2.2	-	-	5.5
					Bottom	3.7	25.2 25.2	25.2	8.0 8.0	8.0	21.3 21.0	21.2	96.6 96.2	96.4	7.1 7.0	7.0	7.0	2.2 2.2	2.2		4.9 3.8	4.4	
14-Sep-15	Sunny	Moderate	13:17		Surface	1.0	25.1 25.1	25.1	8.0 8.0	8.0	26.3 26.5	26.4	89.8 90.5	90.2	6.4 6.4	6.4	6.4	2.6 2.6	2.6		3.8 4.6	4.2	
				5.0	Middle	0.0	0.0 0.0	0.0		-	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.4	0.0	0.0	2.7	-	-	4.7
					Bottom	4.0	25.1 24.9	25.0	8.0 8.0	8.0	26.6 26.9	26.7	90.6 91.4	91.0	6.4 6.5	6.5	6.5	2.7 2.6	2.7		5.4 4.7	5.1	
16-Sep-15	Fine	Moderate	14:11		Surface	1.0	25.1 25.1	25.1	8.0 8.0	8.0	18.5 19.3	18.9	84.8 88.6	86.7	6.3 6.6	6.4	0.4	5.7 5.5	5.6		7.7 7.4	7.6	
				5.1	Middle	-		-	-	-	-	-	-	-	-	-	6.4	-	-	6.3	-	-	6.9
					Bottom	4.1	24.8 24.8	24.8	8.0 8.0	8.0	23.5 20.6	22.0	91.7 85.4	88.6	6.7 6.3	6.5	6.5	6.8 7.0	6.9		6.2 5.9	6.1	
18-Sep-15	Fine	Moderate	15:09		Surface	1.0	26.0 25.6	25.8	7.8 7.8	7.8	18.4 21.2	19.8	87.8 85.4	86.6	6.3 6.1	6.2		6.2 6.1	6.2		3.4 3.8	3.6	
				4.5	Middle	-	-	-	-	-	-	-	-	-	-	-	6.2	-	-	6.4	-	-	4.2
					Bottom	3.5	26.2 25.5	25.9	7.8 7.8	7.8	23.7 25.0	24.3	81.4 81.7	81.6	6.0 5.9	5.9	5.9	6.5 6.4	6.5		4.8	4.8	
21-Sep-15	Rainy	Moderate	05:47		Surface	1.0	25.9 25.9	25.9	7.9 7.9	7.9	15.0 15.4	15.2	87.1 86.3	86.7	6.5 6.4	6.5		2.3 2.2	2.3		2.8 2.4	2.6	
				5.1	Middle	-	- 25.9	-	- 7.9	-	15.4	-	- 86.3	-	-	_	6.5	-	-	2.3	- 2.4	-	2.5
					Bottom	4.1	26.0	25.9	7.8	7.8	17.2	17.1	86.4	86.6	6.4	6.4	6.4	2.2	2.2		2.4	2.3	
							25.9		7.8		17.0		86.8		6.4			2.2			2.2		

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR5 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Sampli	ing	Tempera	ature (°C)	F	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NTI	J)	Suspe	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth ((m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	08:28		Surface	1.0	25.8 25.8	25.8	8.0 7.9	7.9	18.5 19.5	19.0	81.0 84.3	82.7	5.9 6.2	6.0	6.0	1.6 1.6	1.6		1.4 1.4	1.4	
				5.0	Middle			•		-		-		-	1 1	-	0.0	-	-	1.7	-	-	2.0
					Bottom	4.0	25.5 25.8	25.7	7.9 7.9	7.9	22.2 21.5	21.8	79.4 84.0	81.7	5.7 6.1	5.9	5.9	1.7 1.7	1.7		2.6 2.4	2.5	
25-Sep-15	Sunny	Moderate	11:15		Surface	1.0	26.8 26.7	26.8	7.9 7.9	7.9	17.5 17.6	17.5	100.8 100.9	100.9	7.3 7.3	7.3	7.3	1.8 1.7	1.8		2.9 2.8	2.9	
				4.8	Middle			•		-		-		-	1 1	-	7.5	-	-	2.0	-	-	3.3
					Bottom	3.8	26.7 26.9	26.8	7.9 7.9	7.9	18.7 17.6	18.1	100.4 100.5	100.5	7.3 7.3	7.3	7.3	2.2 2.1	2.2		3.4 3.8	3.6	
28-Sep-15	Sunny	Moderate	12:38		Surface	1.0	26.2 26.2	26.2	8.0 8.0	8.0	18.2 17.9	18.1	83.1 88.4	85.8	6.1 6.4	6.2	6.2	8.3 8.2	8.3		2.9 3.5	3.2	
				4.8	Middle	-		-		-		-		-	1 1	-	0.2	-	-	8.6	-	-	3.6
					Bottom	3.8	26.1 26.2	26.2	8.0 8.0	8.0	19.5 19.4	19.4	78.6 81.3	80.0	5.8 5.9	5.8	5.8	9.0 8.8	8.9		3.1 4.7	3.9	
30-Sep-15	Fine	Moderate	14:49		Surface	1.0	26.2 26.1	26.1	7.9 7.9	7.9	24.9 25.6	25.3	81.3 80.5	80.9	5.7 5.7	5.7	5.7	14.4 14.5	14.5		4.8 5.1	5.0	
				5.1	Middle	-	1 1	-	1 1	-		-		-		-	5.7	-	-	14.7	-	-	5.2
					Bottom	4.1	26.0 26.3	26.1	7.9 7.9	7.9	26.9 26.3	26.6	78.6 79.3	79.0	5.6 5.6	5.6	5.6	14.9 14.9	14.9		5.4 5.2	5.3	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS4 and CS(Mf)3 are considered as upstream contol stations of mid-ebb tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR5 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Samp	ling	Tempera	ature (°C)	ī	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NT	U)	Suspe	ended Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	09:18		Surface	1.0	24.5 24.5	24.5	7.8 7.8	7.8	26.0 25.7	25.9	76.0 76.2	76.1	5.5 5.5	5.5		10.4 10.5	10.5		17.2 17.9	17.6	
				5.1	Middle	_	-	-	-	-	-	-	-	-	-	-	5.5	-	-	10.6	- 17.9	-	17.7
					Bottom	4.1	24.5	24.5	7.8	7.8	26.2	26.2	76.3	76.3	5.5	5.5	5.5	10.6	10.7		17.9	17.7	
4 Can 45	C	Moderate	11:17				24.5 24.4		7.8 7.8		26.3 22.9		76.2 72.8		5.5 5.3			10.8 14.7			17.4 13.3		-
4-Sep-15	Sunny	Woderate	11.17		Surface	1.0	24.6	24.5	7.8	7.8	22.8	22.9	75.2	74.0	5.5	5.4	5.4	14.4	14.6		11.1	12.2	<u> </u>
				4.5	Middle	-	-	-	-	-	-	-	-	-		-		-	-	14.8	-	-	14.0
					Bottom	3.5	24.5 24.4	24.4	7.8 7.8	7.8	22.9 23.1	23.0	72.8 72.8	72.8	5.3 5.3	5.3	5.3	15.0 14.7	14.9		16.3 15.1	15.7	
7-Sep-15	Sunny	Moderate	15:52		Surface	1.0	26.5 26.5	26.5	7.9 7.9	7.9	9.6 9.8	9.7	93.5 94.5	94.0	7.1 7.2	7.1	7.1	6.5 6.5	6.5		4.1 5.4	4.8	
				5.0	Middle	-	-	-	-	-	-	-		-		-	7.1	-	-	7.2	-	-	5.2
					Bottom	4.0	26.3 26.0	26.1	7.9 7.8	7.8	11.0 12.1	11.6	88.8 88.4	88.6	6.8 6.6	6.7	6.7	7.9 7.8	7.9		5.4 5.5	5.5	
9-Sep-15	Sunny	Moderate	17:28		Surface	1.0	25.1 24.8	25.0	8.0 8.0	8.0	18.5 18.4	18.5	91.7 90.9	91.3	6.8 6.8	6.8		6.6 6.6	6.6		5.9 5.0	5.5	
				5.6	Middle	-	-	-	-	-	-	-	-	-	-	-	6.8	-	-	6.6	-	-	5.3
					Bottom	4.6	24.6	24.6	8.0	8.0	19.6	20.1	88.0	86.4	6.6	6.4	6.4	6.5	6.5		5.4	5.1	<u> </u>
11-Sep-15	Fine	Moderate	18:21		Surface	1.0	24.5 25.4	25.3	8.0	8.0	20.7 17.0	18.5	84.8 95.3	95.5	6.3 7.1	7.1		6.5 3.9	4.0		4.7	4.7	
				4.8	Middle	1.0	25.2	-	8.0	-	19.9	-	95.6	-	7.0	7	7.1	4.0		4.2	4.5		5.4
				4.0		-	25.2		8.0		20.3		95.0		7.0			4.4		4.2	6.7		5.4
					Bottom	3.8	25.0	25.1	8.1	8.0	23.2	21.7	99.0	97.0	7.2	7.1	7.1	4.4	4.4		5.2	6.0	
14-Sep-15	Sunny	Moderate	07:20		Surface	1.0	24.2 24.2	24.2	7.9 7.9	7.9	27.8 28.0	27.9	75.0 75.0	75.0	5.4 5.4	5.4	5.4	10.8 10.5	10.7		11.0 10.6	10.8	<u> </u>
				5.0	Middle	0.0	0.0 0.0	0.0	-	-	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0	0.0 0.0	0.0	10.6	-	-	11.2
					Bottom	4.0	24.2 24.2	24.2	7.9 7.9	7.9	28.1 28.3	28.2	75.1 75.5	75.3	5.4 5.4	5.4	5.4	10.6 10.2	10.4		11.5 11.5	11.5	
16-Sep-15	Fine	Moderate	08:42		Surface	1.0	24.8 24.8	24.8	7.9 7.9	7.9	21.0 21.2	21.1	81.8 81.6	81.7	6.0 6.0	6.0		8.2 8.4	8.3		6.4 6.5	6.5	
				5.1	Middle	-	-	-	-	-	-	-	-	-	-	-	6.0	-	-	8.5	-	-	6.5
					Bottom	4.1	24.7	24.7	7.9 7.9	7.9	21.2 21.6	21.4	81.4 81.4	81.4	6.0	6.0	6.0	8.4 8.7	8.6	1	6.7	6.5	1
18-Sep-15	Fine	Moderate	09:54		Surface	1.0	24.9	25.0	7.8	7.8	18.9	18.8	81.1	81.1	6.0	6.0		7.6	7.6		13.2	13.0	
				4.8	Middle	-	25.0	-	7.8	-	18.7	-	81.1	-	6.0	-	6.0	7.5	-	7.8	12.8	-	12.8
					Bottom	3.8	25.0	25.0	7.8	7.8	19.7	19.9	80.7	80.8	6.0	6.0	6.0	7.8	7.9		12.5	12.6	1
21-Sep-15	Cloudy	Moderate	13:16		Surface	1.0	25.0 25.8	25.8	7.8 7.9	7.9	20.1 16.1	15.7	80.8 90.3	90.7	6.0	6.8	0.0	7.9 2.6	2.6		12.6 3.0	2.7	
				5.0		1.0	25.8	۷۵.0	7.9	1.8	15.3	13.1	91.0	90.7	6.8	0.0	6.8	2.6			2.4		-
				5.3	Middle	-	- 25.9	-	- 7.0	-	19.4	-	- 01 1	-	- 67	-		- 2.6	-	2.6	2.8	-	2.6
					Bottom	4.3	25.8 25.7	25.8	7.9 7.9	7.9	20.8	20.1	91.1 92.0	91.6	6.7 6.7	6.7	6.7	2.6 2.6	2.6		2.8	2.5	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR5 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampl	ling	Temper	ature (°C)	ī	Н	Salini	y (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NTl	J)	Suspe	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	15:46		Surface	1.0	26.5 26.2	26.4	8.1 8.1	8.1	19.6 19.8	19.7	96.9 89.6	93.3	7.0 6.5	6.7	6.7	2.1 2.1	2.1		3.6 2.7	3.2	
				5.2	Middle	,	-	-	-	-	-	-	-	-	-		0.7	-	-	2.2	-	-	2.8
					Bottom	4.2	26.3 25.8	26.0	8.1 8.0	8.0	24.0 25.0	24.5	93.8 89.9	91.9	6.6 6.4	6.5	6.5	2.2 2.1	2.2		2.3 2.5	2.4	
25-Sep-15	Sunny	Moderate	17:36		Surface	1.0	26.8 26.8	26.8	7.9 7.9	7.9	20.6 20.7	20.7	102.3 102.0	102.2	7.2 7.2	7.2	7.2	2.2 2.2	2.2		5.9 5.1	5.5	
				5.0	Middle			•		-		i		-		-	7.2	-	-	2.4	-	-	5.3
					Bottom	4.0	26.9 26.9	26.9	7.9 7.9	7.9	22.6 21.7	22.2	100.8 101.1	101.0	7.2 7.2	7.2	7.2	2.5 2.6	2.6		5.1 5.0	5.1	
28-Sep-15	Sunny	Moderate	06:49		Surface	1.0	26.1 26.1	26.1	8.0 8.0	8.0	27.5 27.5	27.5	73.9 73.8	73.9	5.1 5.1	5.1	5.1	15.2 14.7	15.0		9.4 10.0	9.7	ĺ
				5.1	Middle		-	-	-	-	-	-	-	-	-	-	5.1	-	-	15.3	-	-	11.1
					Bottom	4.1	26.1 26.1	26.1	8.0 8.0	8.0	27.9 27.9	27.9	73.7 73.8	73.8	5.1 5.1	5.1	5.1	15.6 15.6	15.6		12.5 12.3	12.4	
30-Sep-15	Fine	Moderate	08:35		Surface	1.0	26.4 26.3	26.3	7.8 7.8	7.8	24.2 23.8	24.0	77.3 77.5	77.4	5.5 5.5	5.5	5.5	16.4 16.4	16.4		18.9 19.5	19.2	
				5.2	Middle	-		-		-		-	1 1	-		-	5.5	-	-	16.7	-	-	19.3
					Bottom	4.2	26.2 26.3	26.2	7.8 7.8	7.8	25.9 24.5	25.2	77.1 77.2	77.2	5.5 5.5	5.5	5.5	16.9 16.8	16.9		19.5 19.3	19.4	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS6, CSA and CS(Mf)5 are considered as upstream contol stations of mid-flood tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR6 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Samp	ling	Tempera	ature (°C)	p	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NTI	U)	Suspe	ended Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	14:28		Surface	1.0	24.6 24.5	24.5	7.8 7.8	7.8	26.9 27.0	27.0	81.2 80.7	81.0	5.8 5.8	5.8	5.8	8.6 9.4	9.0		13.9 13.6	13.8	
				4.3	Middle	-	-	-	-	-	-	-	-	-		-	5.8	-	-	10.3	-	-	12.6
					Bottom	3.3	24.4 24.3	24.4	7.8 7.8	7.8	27.9 27.7	27.8	81.2 80.3	80.8	5.8 5.7	5.8	5.8	11.2 11.7	11.5		11.2 11.3	11.3	
4-Sep-15	Sunny	Moderate	15:43	1	Surface	1.0	24.8 25.2	25.0	7.8 7.8	7.8	22.8 22.8	22.8	73.2 73.8	73.5	5.3 5.3	5.3		3.3 3.5	3.4		5.8 6.5	6.2	
				4.8	Middle	-	-	-	-	-	-	-	-	-	-	-	5.3	-	-	3.4	-	-	5.1
					Bottom	3.8	24.9 25.0	25.0	7.7 7.7	7.7	26.2 26.3	26.3	73.7 73.1	73.4	5.3 5.2	5.2	5.2	3.5 3.3	3.4		3.8 4.0	3.9	
7-Sep-15	Cloudy	Moderate	10:02		Surface	1.0	26.4 26.4	26.4	7.8 7.8	7.8	10.5 10.6	10.5	88.0 88.6	88.3	6.7 6.7	6.7		4.8 4.7	4.8		3.9 4.8	4.4	
				4.1	Middle	-	- 20.4	-	-	-	-	-	- 88.6	-	-	-	6.7	-	-	4.8	- 4.8	-	3.7
					Bottom	3.1	26.4 26.4	26.4	7.8	7.8	10.9	10.9	88.5 87.5	88.0	6.7	6.7	6.7	4.6 4.8	4.7		3.1	3.0	
9-Sep-15	Sunny	Moderate	11:58		Surface	1.0	25.1 24.8	24.9	8.1 8.1	8.1	13.0 13.6	13.3	84.6 81.6	83.1	6.5 6.3	6.4		2.4 2.5	2.5		2.3 1.6	2.0	
				4.2	Middle	-	-	-	-	-	-	-	-	-	-	-	6.4	-	-	2.5	-	-	3.3
					Bottom	3.2	24.3 24.6	24.4	8.1 8.1	8.1	17.3 17.2	17.3	81.6 82.5	82.1	6.2 6.2	6.2	6.2	2.4	2.4		4.8 4.4	4.6	
11-Sep-15	Fine	Moderate	13:22		Surface	1.0	24.9 25.0	25.0	7.9 7.9	7.9	15.8 16.1	15.9	80.3 82.9	81.6	6.1 6.3	6.2		3.2 2.9	3.1		3.9 4.0	4.0	
				3.9	Middle	-	-	-		-	-	-	-	-	-	-	6.2	-	-	3.3	-	-	4.5
					Bottom	2.9	24.7 24.6	24.6	7.9 7.9	7.9	18.2 18.6	18.4	80.2 80.2	80.2	6.0 6.0	6.0	6.0	3.6 3.3	3.5		4.8 4.9	4.9	
14-Sep-15	Sunny	Moderate	12:31		Surface	1.0	24.8 24.9	24.8	8.0 8.0	8.0	26.6 26.5	26.5	83.4 83.6	83.5	5.9 6.0	5.9		6.4 6.5	6.5		3.8	3.5	
				4.2	Middle	0.0	0.0	0.0		-	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	0.0	6.5	-	-	3.3
					Bottom	3.2	24.5 24.4	24.5	8.0 8.0	8.0	28.9 29.1	29.0	82.7 82.8	82.8	5.9 5.9	5.9	5.9	6.5 6.4	6.5		2.9	3.1	
16-Sep-15	Fine	Moderate	13:18		Surface	1.0	25.1 25.0	25.1	8.1 8.1	8.1	26.3 26.4	26.3	85.5 84.9	85.2	6.1 6.0	6.1		3.6 3.3	3.5		2.9	3.4	
				4.2	Middle	-		-	-	-	-	-	-	-	-	-	6.1	-	-	5.3	-	-	3.9
					Bottom	3.2	25.0 24.9	24.9	8.1 8.1	8.1	28.2 28.4	28.3	85.1 84.7	84.9	6.0 6.0	6.0	6.0	7.0 7.2	7.1		4.5 4.2	4.4	
18-Sep-15	Fine	Moderate	14:21		Surface	1.0	25.3 25.3	25.3	7.8 7.8	7.8	21.9 22.8	22.4	80.5 80.5	80.5	5.8 5.7	5.7		8.8 8.9	8.9		1.7	1.6	
				3.8	Middle	-	-	-		-	-	-	- -	-	-	-	5.7	-	-	9.1	-	-	2.4
					Bottom	2.8	25.2 25.0	25.1	7.8 7.8	7.8	27.5 27.9	27.7	79.7 79.6	79.7	5.8 5.6	5.7	5.7	9.2 9.1	9.2		2.9 3.3	3.1	
21-Sep-15	Rainy	Moderate	06:40		Surface	1.0	25.9 25.8	25.9	7.9 7.9	7.9	14.3 13.8	14.1	88.0 88.1	88.1	6.6 6.6	6.6	0.0	2.6 2.5	2.6		2.6 3.5	3.1	
				4.2	Middle	-	-	-	-	-	-	-	-	-	-	-	6.6	-	-	2.6	-	-	3.0
					Bottom	3.2	25.9 25.9	25.9	7.8 7.8	7.8	15.4 16.0	15.7	88.2 87.9	88.1	6.6 6.5	6.6	6.6	2.6 2.5	2.6		2.7 2.8	2.8	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR6 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Sampl	ling	Tempera	ature (°C)	ŗ	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissolv	ed Oxygen	(mg/L)	Т	urbidity(NTI	U)	Suspe	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	09:26		Surface	1.0	25.8 25.8	25.8	8.0 8.0	8.0	9.6 9.2	9.4	91.4 93.0	92.2	7.1 7.2	7.1	7.1	2.5 2.4	2.5		2.3 2.5	2.4	
				4.2	Middle			•		-		-		-		-	7.1	-	-	2.5	-	-	2.7
					Bottom	3.2	25.7 25.8	25.8	7.9 7.9	7.9	14.8 14.1	14.4	90.7 92.1	91.4	6.8 6.9	6.9	6.9	2.5 2.5	2.5		3.1 2.9	3.0	
25-Sep-15	Sunny	Moderate	11:58		Surface	1.0	27.1 26.9	27.0	7.9 7.9	7.9	12.9 12.7	12.8	100.9 100.1	100.5	7.5 7.3	7.4	7.4	2.7 2.8	2.8		3.2 3.2	3.2	
				4.0	Middle	-		-	1 1	-		-		-		-	7.4	-	-	2.9	-	-	3.8
					Bottom	3.0	26.7 27.2	27.0	7.8 7.8	7.8	14.9 14.6	14.8	99.2 98.7	99.0	7.3 7.3	7.3	7.3	2.8 2.9	2.9		4.0 4.6	4.3	
28-Sep-15	Sunny	Moderate	11:44		Surface	1.0	26.4 26.3	26.3	8.0 8.0	8.0	26.1 26.3	26.2	77.6 76.6	77.1	5.4 5.3	5.4	5.4	6.6 6.6	6.6		3.8 4.6	4.2	
				4.2	Middle	-		-		-		-		-		-	5.4	-	-	6.8	-	-	4.7
					Bottom	3.2	26.3 26.2	26.3	8.0 8.0	8.0	26.2 26.6	26.4	77.4 76.6	77.0	5.4 5.3	5.4	5.4	6.8 7.1	7.0		4.9 5.3	5.1	
30-Sep-15	Fine	Moderate	14:00		Surface	1.0	25.9 25.9	25.9	7.9 7.9	7.9	26.9 26.9	26.9	77.0 77.0	77.0	5.4 5.4	5.4	5.4	15.7 15.9	15.8		9.3 9.1	9.2	
				3.8	Middle	-		-		-		-		-	-	-	5.4	-	-	16.1	-	-	10.0
					Bottom	2.8	26.0 25.9	25.9	7.9 7.9	7.9	27.1 27.2	27.1	76.7 76.9	76.8	5.4 5.4	5.4	5.4	16.4 16.3	16.4		10.7 10.9	10.8	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS4 and CS(Mf)3 are considered as upstream contol stations of mid-ebb tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR6 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Samp	ling	Tempera	ature (°C)	ļ.	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NT	U)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	10:12		Surface	1.0	24.5 24.5	24.5	7.8 7.8	7.8	24.8 24.8	24.8	74.3 74.4	74.4	5.4 5.4	5.4	5.4	12.3 12.6	12.5		13.7 14.1	13.9	
				4.3	Middle	-	-	-	-	-	-	-	-	-		-	5.4	-	-	12.8	-	-	14.9
					Bottom	3.3	24.5 24.5	24.5	7.8 7.8	7.8	25.3 25.1	25.2	74.5 74.4	74.5	5.4 5.4	5.4	5.4	13.2 13.0	13.1		16.2 15.6	15.9	
4-Sep-15	Sunny	Moderate	11:53		Surface	1.0	24.6 24.7	24.7	7.8 7.8	7.8	22.4 22.5	22.5	75.0 74.7	74.9	5.5 5.4	5.5		3.7 3.8	3.8		9.1 8.7	8.9	
				4.9	Middle	-	-	-	-	-	-	-	-	-	-	-	5.5	-	-	3.9	-	-	8.6
					Bottom	3.9	24.4 24.6	24.5	7.7 7.7	7.7	23.4 23.6	23.5	74.6 74.6	74.6	5.5 5.4	5.4	5.4	3.8 4.0	3.9		8.0 8.3	8.2	
7-Sep-15	Sunny	Moderate	14:57		Surface	1.0	26.7	26.7	7.9	7.9	13.2	13.3	93.2	92.5	6.9	6.9		4.4	4.3		3.4	3.9	
				3.8	Middle	-	26.7	-	7.9	-	13.4	-	91.8	-	6.8	-	6.9	4.2	-	4.3	4.3	-	3.9
					Bottom	2.8	26.6	26.5	7.9	7.9	14.8	14.8	92.4	91.0	6.8	6.7	6.7	4.2	4.2		4.1	3.8	
9-Sep-15	Sunny	Moderate	16:31		Surface	1.0	26.5 25.2	25.1	7.9 8.0	8.0	23.6	23.7	89.6 101.9	99.8	7.3	7.2		2.0	2.0		3.4 5.2	5.1	
				4.1	Middle	_	25.1	-	8.0	-	23.7	-	97.7	_	7.1	-	7.2	2.0	-	2.1	5.0	-	5.1
					Bottom	3.1	25.1	25.0	8.0	8.0	23.7	23.9	100.4	98.0	7.2	7.1	7.1	2.2	2.2		5.5	5.1	
11-Sep-15	Fine	Moderate	17:24		Surface	1.0	24.8 26.0	26.0	8.0 8.1	8.1	24.0 20.2	20.2	95.6 110.8	114.0	6.9 8.0	8.3		2.1	2.4		4.6 3.2	3.2	
				3.9	Middle	_	26.0	_	8.1	_	20.2	_	117.1	_	8.5 -	_	8.3	2.4	_	2.4	3.2	-	4.4
					Bottom	2.9	26.0	25.9	8.1	8.1	20.3	20.3	113.3	110.0	8.2	8.0	8.0	2.3	2.3		4.9	5.5	
14-Sep-15	Sunny	Moderate	08:15		Surface	1.0	25.9 24.3	24.3	7.9	7.9	20.3	23.8	106.7 77.7	78.0	7.7 5.7	5.7	0.0	2.2 8.1	8.1		6.0 8.5	8.9	
				4.2	Middle	0.0	24.3 0.0	0.0	7.9	-	23.7 0.0	0.0	78.2 0.0	0.0	5.7 0.0	0.0	5.7	8.1 0.0	0.0	8.1	9.3	-	9.0
				4.2	Bottom	3.2	0.0 24.3	24.3	7.9	7.9	0.0 24.3	24.9	0.0 78.3	78.1	0.0 5.7	5.7	5.7	0.0 7.9	8.1	0.1	8.9	9.0	9.0
16-Sep-15	Fine	Moderate	09:34				24.3 24.8		7.9 7.9		25.4 18.7		77.8 82.3		5.6 6.1		5.1	8.2 6.6			9.0 5.3		
10-оер-13	Tille	Woderate	03.54		Surface	1.0	24.9	24.8	7.9	7.9	18.8	18.8	82.2	82.3	6.1	6.1	6.1	6.7	6.7		4.2	4.8	-
				4.1	Middle	-	24.8	-	7.9	-	19.3	-	82.5	-	6.1	-		8.2	-	7.6	4.0	-	4.2
18-Sep-15	Fine	Moderate	10:48		Bottom	3.1	24.8	24.8	7.9 7.8	7.9	19.4 17.0	19.4	82.6 85.5	82.6	6.1	6.1	6.1	8.6 9.8	8.4		3.1	3.6	
16-Зер-13	Fine	Woderate	10.46		Surface	1.0	24.9	25.0	7.8	7.8	18.6	17.8	86.7	86.1	6.5	6.4	6.4	9.7	9.8		4.7	4.3	
				3.9	Middle	-		-		-	- 40.5	-	-	-	-	-		-	-	10.0	-	-	5.5
			40		Bottom	2.9	25.0 25.0	25.0	7.8 7.8	7.8	19.5 20.6	20.0	84.4 94.7	89.6	6.3 7.0	6.7	6.7	10.1 10.0	10.1		6.0 7.2	6.6	
21-Sep-15	Cloudy	Moderate	12:20		Surface	1.0	25.8 25.8	25.8	7.9 7.9	7.9	14.1 14.1	14.1	90.8 90.0	90.4	6.8 6.8	6.8	6.8	2.5 2.6	2.6		2.0 2.5	2.3	
				4.3	Middle	-	-	-		-	-	-	-	-	-	-		-	-	2.6	-	-	2.6
					Bottom	3.3	25.7 25.7	25.7	7.8 7.8	7.8	16.3 16.6	16.4	90.6 88.4	89.5	6.7 6.6	6.7	6.7	2.5 2.6	2.6		2.3 3.4	2.9	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR6 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampli	ing	Tempera	ature (°C)	F	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NT	U)	Susper	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	14:51		Surface	1.0	26.5 26.5	26.5	8.1 8.1	8.1	18.2 18.1	18.2	93.3 93.4	93.4	6.8 6.8	6.8	6.8	1.7 1.8	1.8		5.1 4.9	5.0	
				4.3	Middle			-		-		-		-	1 1	-	0.0	-	-	1.8	-	-	5.1
					Bottom	3.3	26.3 26.1	26.2	8.0 8.0	8.0	21.6 21.6	21.6	93.5 93.6	93.6	6.7 6.7	6.7	6.7	1.7 1.8	1.8		5.6 4.8	5.2	
25-Sep-15	Sunny	Moderate	16:53		Surface	1.0	27.0 27.1	27.1	7.9 7.9	7.9	17.0 16.9	17.0	107.7 106.6	107.2	7.7 7.7	7.7	7.7	2.5 2.5	2.5		4.1 4.6	4.4	
				4.0	Middle			-		-		-		-	1 1	-	7.7	-	-	2.6	-	-	4.8
					Bottom	3.0	27.3 27.4	27.4	7.9 7.9	7.9	20.0 19.2	19.6	102.2 105.7	104.0	7.6 7.7	7.6	7.6	2.6 2.7	2.7		4.2 6.0	5.1	
28-Sep-15	Sunny	Moderate	07:44		Surface	1.0	26.2 26.2	26.2	8.0 8.0	8.0	26.7 26.9	26.8	75.2 75.3	75.3	5.2 5.2	5.2	5.2	9.1 9.4	9.3		7.0 7.2	7.1	
				4.0	Middle	-		-		-	-	-		-	1 1	-	5.2	-	-	9.5	-	-	6.8
					Bottom	3.0	26.2 26.2	26.2	8.0 8.0	8.0	27.3 27.0	27.1	74.6 75.7	75.2	5.2 5.3	5.2	5.2	10.1 9.3	9.7		6.4 6.6	6.5	
30-Sep-15	Fine	Moderate	09:25		Surface	1.0	26.2 26.2	26.2	7.8 7.8	7.8	19.6 19.0	19.3	82.3 82.5	82.4	6.0 6.0	6.0	6.0	16.0 16.1	16.1		14.9 14.1	14.5	
				4.0	Middle	-		-		-	-	-		-		-	0.0	-	-	16.3	-	-	14.9
					Bottom	3.0	26.1 26.2	26.1	7.8 7.8	7.8	20.2 19.5	19.9	78.5 78.3	78.4	5.7 5.7	5.7	5.7	16.4 16.5	16.5		14.6 15.9	15.3	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS6, CSA and CS(Mf)5 are considered as upstream contol stations of mid-flood tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR7 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Samp	ling	Tempera	ature (°C)	p	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	T	urbidity(NTI	U)	Suspe	ended Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	15:50		Surface	1.0	24.5 24.5	24.5	7.8 7.8	7.8	24.4 24.4	24.4	77.7 77.6	77.7	5.6 5.6	5.6	5.6	8.3 9.2	8.8		9.5 9.6	9.6	
				3.6	Middle	-	-	-		-		-	-	-		-	5.6	-	-	9.5	-	-	9.8
					Bottom	2.6	24.3 24.4	24.4	7.8 7.8	7.8	25.3 25.4	25.4	76.9 78.0	77.5	5.6 5.6	5.6	5.6	9.5 10.8	10.2		10.2 9.8	10.0	
4-Sep-15	Sunny	Moderate	16:34		Surface	1.0	24.9 25.1	25.0	7.7 7.7	7.7	17.6 18.2	17.9	75.1 74.8	75.0	5.6 5.6	5.6		3.4 3.5	3.5		2.8	3.0	
				4.8	Middle	-	-	-	-	-	-	-	-	-	-	-	5.6	-	-	3.6	-	-	3.7
					Bottom	3.8	24.8 25.0	24.9	7.7 7.7	7.7	21.1 21.0	21.1	75.1 74.6	74.9	5.5 5.5	5.5	5.5	3.6 3.7	3.7		4.4 4.3	4.4	
7-Sep-15	Cloudy	Moderate	08:41		Surface	1.0	26.5 26.5	26.5	7.9 7.9	7.9	14.4	14.4	92.4 91.7	92.1	6.9 6.8	6.8		2.8	3.0		3.1 3.1	3.1	
				4.1	Middle	-	-	-	-	-	14.4	-	- 91.7	-	-	-	6.8	3.1	-	2.9	-	-	3.0
					Bottom	3.1	26.4	26.4	7.8	7.9	17.3	16.8	91.5 93.7	92.6	6.7	6.8	6.8	2.6	2.7		2.5	2.8	
9-Sep-15	Sunny	Moderate	10:32		Surface	1.0	26.4 24.9	24.8	8.1	8.1	16.4 22.6	22.8	77.6	77.4	5.7	5.6		1.5	1.4		2.9	3.3	
				5.2	Middle	-	24.8	-	8.1	-	22.9	-	77.2	-	5.6	-	5.6	1.3	-	1.5	3.6	-	3.5
					Bottom	4.2	24.4	24.4	8.1	8.1	25.2	25.2	76.5	77.9	5.5	5.6	5.6	1.4	1.5		2.9	3.6	
11-Sep-15	Fine	Moderate	11:59		Surface	1.0	24.4 25.1	25.1	8.0	8.1	25.2 21.6	21.7	79.2 94.3	93.6	5.7 6.9	6.8		2.4	2.5		5.0	5.2	
				3.8	Middle	_	25.0	-	8.1	-	21.8	-	92.9	_	6.8	-	6.8	2.6	-	3.1	5.3	-	5.2
					Bottom	2.8	24.7	24.6	8.1	8.1	23.9	24.6	92.8	92.1	6.7	6.7	6.7	3.5	3.6		4.4	5.2	
14-Sep-15	Sunny	Moderate	13:46				24.6 25.0		8.1 8.0		25.3 18.9		91.4 84.8		6.6			3.6 2.5			5.9 4.9		
11 000 10	Carriy	moderate	10.10		Surface	1.0	24.8	24.9	8.0	8.0	19.1	19.0	83.9	84.4	6.2	6.3	6.3	2.5	2.5		5.4	5.2	
				4.2	Middle	0.0	0.0	0.0	8.0	-	0.0	0.0	0.0 84.4	0.0	0.0 6.3	0.0		0.0	0.0	2.7	4.6	-	4.9
					Bottom	3.2	24.7	24.7	8.0	8.0	19.6	19.6	85.4	84.9	6.3	6.3	6.3	2.8	2.8		4.3	4.5	
16-Sep-15	Fine	Moderate	14:39		Surface	1.0	25.1 25.2	25.1	8.0 8.0	8.0	15.9 15.8	15.9	86.4 87.2	86.8	6.5 6.6	6.5	6.5	3.6 3.4	3.5		6.0 4.8	5.4	
				3.8	Middle	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	3.5	-	-	5.1
					Bottom	2.8	25.0 25.2	25.1	8.0 8.0	8.0	17.2 16.9	17.1	86.4 87.7	87.1	6.5 6.6	6.5	6.5	3.6 3.1	3.4		5.4 4.1	4.8	
18-Sep-15	Fine	Moderate	15:33		Surface	1.0	25.3 25.3	25.3	7.8 7.8	7.8	13.6 14.8	14.2	81.2 80.9	81.1	6.0 6.1	6.1	6.1	4.7 4.8	4.8		10.5 10.9	10.7	
				3.8	Middle	-	-	-		-	-	-		-	-	-	0.1	-	-	4.9	-	-	11.8
					Bottom	2.8	25.2 25.4	25.3	7.8 7.7	7.8	19.1 18.2	18.7	80.4 80.1	80.3	5.9 6.1	6.0	6.0	4.9 4.9	4.9		12.9 12.7	12.8	
21-Sep-15	Rainy	Moderate	05:16		Surface	1.0	25.7 25.7	25.7	7.9 8.0	8.0	15.3 14.7	15.0	86.8 89.7	88.3	6.5 6.7	6.6	6.6	1.8 1.8	1.8		2.8 2.2	2.5	
				4.3	Middle	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	1.9	-	-	2.4
					Bottom	3.3	25.6 25.6	25.6	7.9 7.8	7.9	21.7 21.7	21.7	93.2 87.3	90.3	6.7 6.3	6.5	6.5	1.9 1.9	1.9		2.2 2.3	2.3	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR7 - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Sampl	ling	Tempera	ature (°C)	F	Н	Salinit	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NT	J)	Suspe	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	07:58		Surface	1.0	25.8 25.8	25.8	7.8 7.8	7.8	20.1 20.0	20.0	85.5 85.4	85.5	6.2 6.2	6.2	6.2	1.3 1.2	1.3		3.4 4.1	3.8	
				4.4	Middle			-		-	-	-		-		-	0.2	-	-	1.3	-	-	3.6
					Bottom	3.4	25.7 25.5	25.6	7.8 7.6	7.7	24.2 25.5	24.9	85.8 88.2	87.0	6.1 6.2	6.2	6.2	1.3 1.3	1.3		3.4 3.4	3.4	
25-Sep-15	Sunny	Moderate	10:43		Surface	1.0	26.3 26.3	26.3	7.9 7.9	7.9	17.0 16.5	16.8	94.6 94.6	94.6	6.9 6.8	6.9	6.9	8.2 8.2	8.2		5.3 4.0	4.7	
				3.9	Middle	-		-		-	-	-		-	1 1	-	0.0	-	-	8.4	-	-	4.9
					Bottom	2.9	26.3 26.3	26.3	7.9 7.9	7.9	22.0 21.0	21.5	94.0 93.9	94.0	6.9 6.9	6.9	6.9	8.5 8.6	8.6		4.8 5.1	5.0	
28-Sep-15	Sunny	Moderate	13:04		Surface	1.0	26.3 26.4	26.4	8.0 8.0	8.0	15.1 15.2	15.1	76.9 77.5	77.2	5.7 5.7	5.7	5.7	5.8 5.7	5.8		3.5 4.1	3.8	
				3.9	Middle	•		-		-	-	-		-		-	5.7	-	-	6.8	-	-	4.7
					Bottom	2.9	26.2 26.2	26.2	8.0 8.0	8.0	17.0 16.9	16.9	76.6 76.5	76.6	5.6 5.6	5.6	5.6	7.9 7.5	7.7		5.3 5.9	5.6	
30-Sep-15	Fine	Moderate	15:18		Surface	1.0	26.5 26.3	26.4	7.9 7.9	7.9	17.2 17.2	17.2	81.3 81.4	81.4	5.9 5.7	5.8	5.8	11.2 11.3	11.3		6.7 6.6	6.7	
				4.1	Middle	-		-	-	-	-	-		-		-	5.0	-	-	11.5	-	-	6.9
					Bottom	3.1	26.2 26.1	26.2	7.9 7.9	7.9	18.6 19.0	18.8	80.0 80.5	80.3	5.8 5.9	5.9	5.9	11.8 11.6	11.7		7.8 6.1	7.0	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS4 and CS(Mf)3 are considered as upstream contol stations of mid-ebb tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR7 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Samp	ling	Tempera	ature (°C)	F	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NT	U)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	08:49		Surface	1.0	24.4 24.4	24.4	7.7 7.7	7.7	27.7 27.8	27.7	80.0 78.0	79.0	5.7 5.6	5.6		14.5 14.6	14.6		18.8 18.7	18.8	
				3.8	Middle	-	-	-	-	-	-	-	-	-	-	-	5.6	-	-	14.8	-	-	19.7
					Bottom	2.8	24.4	24.4	7.7	7.7	27.8	27.8	76.6	76.2	5.5	5.4	5.4	14.7	15.0		19.8	20.5	
4-Sep-15	Sunny	Moderate	10:46				24.4		7.7 7.8		27.8 23.3		75.8 78.6		5.4 5.7			15.2 4.5			21.2 4.0		
4-Зер-13	Julily	Woderate	10.40		Surface	1.0	24.8	24.8	7.8	7.8	23.6	23.5	76.3	77.5	5.5	5.6	5.6	4.4	4.5		5.2	4.6	
				4.9	Middle	-	-	-	-	-	-	-	-	-	-	-		-	-	4.6		-	4.8
					Bottom	3.9	24.7 24.4	24.5	7.8 7.9	7.8	25.1 24.9	25.0	75.8 77.2	76.5	5.5 5.6	5.5	5.5	4.6 4.7	4.7		4.4 5.5	5.0	
7-Sep-15	Sunny	Moderate	16:21		Surface	1.0	26.5 26.5	26.5	7.8 7.8	7.8	11.3 11.4	11.4	89.1 90.0	89.6	6.7 6.8	6.8	6.8	5.6 6.0	5.8		4.5 4.5	4.5	
				4.4	Middle		-	-	-	-	-	-	-	-	-	-	0.0	-	-	6.5	-	-	4.8
					Bottom	3.4	26.5 26.5	26.5	7.8 7.8	7.8	12.7 12.2	12.4	89.5 90.3	89.9	6.7 6.8	6.7	6.7	7.0 7.2	7.1		4.8 5.1	5.0	
9-Sep-15	Sunny	Moderate	17:55		Surface	1.0	24.7 24.9	24.8	8.0 8.0	8.0	17.4 17.3	17.3	95.8 97.8	96.8	7.2 7.3	7.3		4.3 4.4	4.4		8.3 7.9	8.1	
				4.5	Middle	-	-	-	-	-	-	-	-	-	-	-	7.3	-	-	4.4	-	-	7.1
					Bottom	3.5	24.8	24.7	8.0	8.0	17.4	17.7	96.9	96.2	7.3	7.2	7.2	4.4	4.4		5.4	6.0	
11-Sep-15	Fine	Moderate	18:51		Surface	1.0	24.5 25.3	25.4	8.0	8.1	17.9 12.2	12.0	95.4 97.0	99.0	7.4	7.6		4.3 3.5	3.5		6.5 4.7	5.2	
				4.0	Middle		25.4	_	8.1	_	11.8	_	101.0		7.8		7.6	3.5		3.8	5.6		5.6
				4.0	Bottom	3.0	25.1	25.0	8.0	8.0	14.3	14.5	98.0	96.5	7.5	7.3	7.3	3.8	4.0	0.0	5.4		. 0.0
					DOLLOTTI	3.0	25.0	25.0	8.0	0.0	14.6	14.5	95.0	90.5	7.2	1.3	7.3	4.1	4.0		6.6	6.0	
14-Sep-15	Sunny	Moderate	06:51		Surface	1.0	24.4 24.4	24.4	7.8 7.8	7.8	26.4 26.2	26.3	83.0 84.4	83.7	6.0 6.1	6.0	6.0	3.8 4.1	4.0		4.0 4.3	4.2	
				4.3	Middle	0.0	0.0 0.0	0.0	-	-	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0	0.0 0.0	0.0	3.9	-	-	4.1
					Bottom	3.3	24.4 24.3	24.3	7.8 7.7	7.8	26.5 26.1	26.3	84.0 87.2	85.6	6.0 6.3	6.2	6.2	3.8 3.8	3.8		4.3 3.6	4.0	
16-Sep-15	Fine	Moderate	08:14		Surface	1.0	24.8 24.8	24.8	8.0 7.9	7.9	27.5 27.3	27.4	88.2 84.4	86.3	6.3 6.0	6.1		7.5 7.2	7.4		5.1 5.1	5.1	
				4.1	Middle	-	-	-	-	-	-	-	-	-	-	-	6.1	-	-	7.8	-	-	4.4
					Bottom	3.1	24.8 24.8	24.8	7.9 8.0	8.0	28.0 27.9	28.0	84.4 90.6	87.5	6.0 6.4	6.2	6.2	8.0 8.3	8.2		3.9 3.3	3.6	
18-Sep-15	Fine	Moderate	09:31		Surface	1.0	25.0	25.0	7.8	7.8	26.4	25.8	88.3	87.6	6.2	6.2		5.1	5.2		4.3	4.2	
				4.1	Middle	-	25.0	-	7.8	-	25.2	-	86.9	-	6.2	-	6.2	5.2	-	5.3	4.0	-	4.2
					Bottom	3.1	25.0	25.0	7.8	7.8	25.8	27.0	82.3	82.9	5.9	5.9	5.9	5.4	5.4		3.6	4.1	
21-Sep-15	Cloudy	Moderate	13:46	<u> </u>	Surface	1.0	24.9 25.8	25.8	7.9 7.9	7.9	28.2 9.4	9.7	83.4 88.8	87.9	6.0	6.8		5.3 2.6	2.6		4.6 4.2	4.1	\vdash
				4.5		1.0	25.8	20.0	7.9 -	1.0	10.0	3.1	87.0 -	01.5	6.7	0.0	6.8	2.6	2.0	2.6	4.0	7.1	4.0
				4.5	Middle	-	25.6	-	- 7.9	-	13.6	-	- 87.3	-	6.6	-		2.6		2.6	3.4	-	4.0
					Bottom	3.5	25.8	25.7	7.9	7.9	12.4	13.0	88.9	88.1	6.8	6.7	6.7	2.6	2.6		4.3	3.9	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR7 - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampli	ing	Tempera	ature (°C)	F	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NT	U)	Susper	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth ((m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	16:17		Surface	1.0	26.3 26.3	26.3	8.0 8.0	8.0	16.4 16.0	16.2	93.5 94.0	93.8	6.8 6.9	6.8	6.8	3.6 3.5	3.6		4.9 4.7	4.8	
				4.4	Middle	•		-		-	-	-		-		-	0.0	-	-	3.6	-	-	5.3
					Bottom	3.4	26.2 26.3	26.2	8.0 8.0	8.0	19.3 19.1	19.2	92.7 92.8	92.8	6.8 6.8	6.8	6.8	3.4 3.6	3.5		5.8 5.7	5.8	
25-Sep-15	Sunny	Moderate	18:06		Surface	1.0	26.6 26.6	26.6	7.8 7.8	7.8	18.5 17.5	18.0	94.7 95.0	94.9	6.8 6.8	6.8	6.8	7.3 7.4	7.4		6.4 7.2	6.8	
				4.0	Middle	-		-		-	-	-		-	1 1	-	0.0	-	-	7.6	-	-	7.0
					Bottom	3.0	26.5 26.6	26.5	7.8 7.8	7.8	20.0 19.4	19.7	94.2 93.6	93.9	6.8 6.8	6.8	6.8	7.8 7.7	7.8		6.9 7.2	7.1	
28-Sep-15	Sunny	Moderate	06:21		Surface	1.0	26.0 26.0	26.0	8.0 8.0	8.0	26.9 27.0	27.0	82.2 85.0	83.6	5.7 5.9	5.8	5.8	3.1 2.9	3.0		4.6 4.7	4.7	
				3.9	Middle			-		-	-	-		-		-	5.6	-	-	3.0	-	-	4.4
					Bottom	2.9	26.0 26.0	26.0	8.0 8.0	8.0	27.2 27.4	27.3	83.9 88.5	86.2	5.8 6.2	6.0	6.0	3.0 3.0	3.0		4.1 4.0	4.1	
30-Sep-15	Fine	Moderate	08:03		Surface	1.0	26.2 26.2	26.2	7.9 7.8	7.9	26.9 26.9	26.9	80.4 80.5	80.5	5.6 5.6	5.6	5.6	9.6 9.7	9.7		31.4 31.8	31.6	
				4.2	Middle	-		-		-	-	-		-		-	5.0	-	-	9.9	-	-	31.3
					Bottom	3.2	26.1 26.2	26.2	7.9 7.9	7.9	26.9 26.9	26.9	79.2 80.0	79.6	5.5 5.6	5.5	5.5	9.9 10.1	10.0		30.8 31.0	30.9	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS6, CSA and CS(Mf)5 are considered as upstream contol stations of mid-flood tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR10A - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Sampli	ing	Tempera	ature (°C)	ŗ	Н	Salini	ty (ppt)	DO Satu	ıration (%)	Dissolv	red Oxygen	(mg/L)	Ti	urbidity(NT	U)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth ((m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	16:00		Surface	1.0	26.7 26.7	26.7	8.1 8.1	8.1	29.8 29.9	29.9	93.6 83.8	88.7	6.3 5.6	6.0		6.5 6.4	6.5		7.5 8.1	7.8	
				6.5	Middle	3.3	26.7	26.7	8.1	8.1	30.2	30.2	83.2	85.0	5.6	5.7	5.9	6.5	6.5	6.5	7.0	7.3	8.4
					Bottom	5.5	26.6 26.5	26.6	8.1 8.1	8.1	30.3 30.6	30.5	86.7 85.1	84.0	5.8 5.7	5.7	5.7	6.5 6.3	6.5		7.6 9.8	10.2	1
4-Sep-15	Sunny	Moderate	17:20				26.7 27.5		8.1 8.0		30.4 29.7		82.9 79.4		5.6 5.7			6.6 3.8			10.6 4.6		
4-3ep-13	Suring	ivioderate	17.20		Surface	1.0	27.4	27.4	8.1	8.0	29.6	29.7	78.9	79.2	5.6	5.6	5.5	4.0	3.9		5.4	5.0	<u> </u>
				6.6	Middle	3.3	26.2 26.1	26.1	8.1 8.0	8.0	31.7 32.4	32.0	74.3 74.8	74.6	5.4 5.4	5.4		4.1 3.8	4.0	3.9	6.2 6.1	6.2	6.4
					Bottom	5.6	25.9 25.9	25.9	8.0 8.0	8.0	33.2 33.1	33.2	76.7 75.4	76.1	5.5 5.4	5.5	5.5	3.8 3.9	3.9		8.1 8.0	8.1	1
7-Sep-15	Cloudy	Moderate	07:40		Surface	1.0	29.0 29.0	29.0	8.0 8.0	8.0	16.9 17.0	17.0	88.7 88.0	88.4	6.2 6.2	6.2		2.4 2.3	2.4		4.2 4.2	4.2	
				6.4	Middle	3.2	29.0 29.0	29.0	8.0	8.0	18.4	18.4	87.2 87.8	87.5	6.1	6.1	6.2	2.3	2.3	2.4	3.6	3.7	4.1
					Bottom	5.4	29.0	29.0	8.0 8.0	8.0	18.4 18.6	18.8	88.8	88.3	6.1	6.1	6.1	2.3	2.4		3.8	4.3	1
9-Sep-15	Sunny	Moderate	09:41				28.9 26.3		8.0 8.0		19.0 30.0		87.7 79.5		6.1 5.7			2.3			5.0 4.0		
1 200					Surface	1.0	26.3 26.1	26.3	8.0	8.0	30.0 31.0	30.0	80.2 77.8	79.9	5.8	5.8	5.7	2.0	2.1		2.9	3.5	
				6.8	Middle	3.4	26.1	26.1	8.0	8.0	30.9	31.0	78.6	78.2	5.7	5.6		2.3	2.2	2.1	3.6	3.4	3.2
					Bottom	5.8	26.1 26.1	26.1	8.0 8.0	8.0	31.0 31.0	31.0	79.1 77.9	78.5	5.7 5.6	5.7	5.7	1.9 2.0	2.0		2.6 2.8	2.7	
11-Sep-15	Fine	Moderate	11:20		Surface	1.0	26.7 26.8	26.8	8.2 8.2	8.2	30.8 30.7	30.8	95.5 100.1	97.8	6.4 6.7	6.6	6.5	2.7 2.8	2.8		6.1 5.3	5.7	1
				6.4	Middle	3.2	26.5 26.6	26.5	8.2 8.2	8.2	32.1 31.4	31.7	94.2 97.0	95.6	6.3 6.5	6.4	6.5	2.8 2.8	2.8	2.8	6.7 8.2	7.5	6.3
					Bottom	5.4	26.6 26.4	26.5	8.2 8.2	8.2	31.5 32.4	32.0	96.5 91.6	94.1	6.5 6.2	6.3	6.3	2.7 2.9	2.8		5.5 6.0	5.8	
14-Sep-15	Sunny	Moderate	14:12		Confess	1.0	27.2	27.2	7.9	7.9	32.4	32.1	92.5	92.1	6.2	0.0		3.2	2.0		4.6	4.0	\vdash
	·				Surface		27.2 27.2		7.9 7.9		32.1 32.3		91.7 88.6		6.1 5.9	6.2	6.1	3.1	3.2		3.7	4.2	
				6.3	Middle	3.2	27.2	27.2	7.9	7.9	32.3	32.3	90.2	89.4	6.0	6.0		3.4	3.4	3.4	2.8	3.3	3.8
					Bottom	5.3	27.2 27.3	27.3	7.9 7.9	7.9	32.4 32.1	32.3	86.3 87.4	86.9	5.8 5.9	5.8	5.8	3.5 3.6	3.6		3.7 3.8	3.8	
16-Sep-15	Fine	Moderate	15:20		Surface	1.0	27.5 27.6	27.5	8.2 8.2	8.2	33.1 32.8	33.0	85.9 92.2	89.1	5.6 6.0	5.8	5.7	3.7 3.7	3.7		5.6 4.5	5.1	
				6.5	Middle	3.3	27.4 27.3	27.3	8.2 8.2	8.2	34.0 34.7	34.3	86.2 83.5	84.9	5.7 5.5	5.6	5.7	3.6 3.7	3.7	3.7	3.6 3.0	3.3	4.1
					Bottom	5.5	27.5 27.4	27.5	8.2 8.2	8.2	34.6 34.3	34.5	83.5 86.1	84.8	5.5 5.6	5.5	5.5	3.7 3.6	3.7		4.3 3.4	3.9	1
18-Sep-15	Fine	Moderate	16:21		Surface	1.0	28.3	28.1	8.2	8.2	32.7	33.1	86.0	84.4	5.6	5.5		4.3	4.3		3.1	3.1	
				6.4	Middle	3.2	27.9 27.8	27.8	8.2 8.2	8.2	33.5 33.7	33.9	82.8 82.6	82.2	5.4 5.4	5.3	5.4	4.2 4.5	4.5	4.4	3.1	3.9	4.2
				0.4			27.7 27.7		8.2 8.2		34.2 34.5		81.7 81.4		5.3 5.3			4.4 4.5		4.4	4.5 5.2		4.2
21 Con 15	Boiny	Moderate	04:40		Bottom	5.4	27.7	27.7	8.2	8.2	34.2	34.4	82.2	81.8	5.4	5.3	5.3	4.5	4.5	<u> </u>	6.1	5.7	<u> </u>
21-Sep-15	Rainy	Moderate	U4:4U		Surface	1.0	28.5 28.5	28.5	8.1 8.1	8.1	17.8 17.6	17.7	87.0 86.0	86.5	6.1 6.1	6.1	6.0	3.5 3.5	3.5		3.2 2.4	2.8	
				6.6	Middle	3.3	28.5 28.5	28.5	8.1 8.1	8.1	21.9 22.0	21.9	84.2 84.7	84.5	5.8 5.8	5.8		4.0 3.7	3.9	3.8	3.2 2.9	3.1	2.9
					Bottom	5.6	28.5 28.5	28.5	8.0 8.0	8.0	25.3 26.0	25.7	86.7 84.5	85.6	5.9 5.7	5.8	5.8	3.8 4.0	3.9		2.4 3.0	2.7	ĺ
					<u>. </u>		20.0		0.0	1	20.0		04.0		5.1			7.0			0.0		

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR10A - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Samplin	ng	Tempera	ature (°C)	F	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissol	ved Oxygen	(mg/L)	Т	urbidity(NT	J)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth (n	n)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	07:52		Surface	1.0	28.4 28.4	28.4	8.2 8.2	8.2	27.0 27.3	27.2	87.8 88.0	87.9	5.9 5.9	5.9	5.9	1.6 1.7	1.7		2.6 2.3	2.5	
				6.8	Middle	3.4	28.5 28.5	28.5	8.2 8.2	8.2	27.8 28.1	28.0	87.9 87.8	87.9	5.8 5.8	5.8	5.5	1.5 1.5	1.5	1.6	2.8 2.2	2.5	2.6
					Bottom	5.8	28.5 28.5	28.5	8.2 8.2	8.2	28.5 28.4	28.5	88.0 88.1	88.1	5.8 5.8	5.8	5.8	1.5 1.5	1.5		2.1 3.2	2.7	
25-Sep-15	Sunny	Moderate	09:36		Surface	1.0	29.2 29.1	29.1	8.3 8.2	8.3	23.0 24.4	23.7	96.6 95.7	96.2	6.5 6.4	6.5	6.5	1.9 1.9	1.9		2.6 2.7	2.7	
				6.5	Middle	3.3	29.1 29.1	29.1	8.2 8.2	8.2	24.8 25.5	25.2	95.4 95.1	95.3	6.4 6.4	6.4	0.0	2.0 2.0	2.0	2.0	3.0 3.1	3.1	3.1
					Bottom	5.5	29.0 29.0	29.0	8.2 8.2	8.2	25.7 26.2	26.0	95.6 94.8	95.2	6.4 6.3	6.4	6.4	2.1 2.0	2.1		3.5 3.3	3.4	
28-Sep-15	Sunny	Moderate	13:31		Surface	1.0	28.7 28.7	28.7	8.3 8.2	8.3	34.3 34.4	34.3	82.1 81.5	81.8	5.6 5.6	5.6	5.6	4.7 4.8	4.8		4.6 4.2	4.4	
				6.5	Middle	3.3	28.7 28.7	28.7	8.2 8.3	8.3	34.4 34.4	34.4	81.5 82.6	82.1	5.6 5.6	5.6	3.0	4.7 4.8	4.8	4.8	5.4 4.3	4.9	4.5
					Bottom	5.5	28.7 28.7	28.7	8.3 8.2	8.3	34.3 34.4	34.4	83.6 81.4	82.5	5.7 5.6	5.6	5.6	4.8 4.8	4.8		4.0 4.6	4.3	
30-Sep-15	Fine	Moderate	14:51		Surface	1.0	29.3 29.3	29.3	8.2 8.2	8.2	32.1 32.3	32.2	83.3 82.9	83.1	5.5 5.4	5.4	5.4	4.9 5.0	5.0		6.3 6.4	6.4	
				6.5	Middle	3.3	28.8 28.8	28.8	8.2 8.2	8.2	33.9 34.5	34.2	83.0 80.3	81.7	5.4 5.2	5.3	5.4	5.1 5.0	5.1	5.1	5.3 7.3	6.3	6.3
					Bottom	5.5	28.8 29.1	29.0	8.2 8.2	8.2	34.6 34.1	34.4	81.2 83.2	82.2	5.3 5.4	5.4	5.4	5.1 5.1	5.1		5.8 6.3	6.1	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS4 and CS(Mf)3 are considered as upstream contol stations of mid-ebb tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR10A - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampl	ling	Tempera	ature (°C)	F	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissolv	ed Oxygen	(mg/L)	Т	urbidity(NTl	J)	Suspe	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	08:16		Surface	1.0	26.6 26.6	26.6	8.0 8.0	8.0	29.5 29.6	29.5	75.3 75.4	75.4	5.1 5.1	5.1		7.4 7.2	7.3		7.6 8.4	8.0	
				6.6	Middle	3.3	26.5 26.5	26.5	8.0 8.0	8.0	29.6 29.7	29.6	75.3 74.7	75.0	5.1 5.1	5.1	5.1	7.3 7.6	7.5	7.4	8.4 9.5	9.0	9.1
					Bottom	5.6	26.6 26.5	26.5	8.0 8.0	8.0	29.6	29.7	75.4 74.7	75.1	5.1 5.0	5.1	5.1	7.4 7.6	7.5		10.0	10.4	
4-Sep-15	Sunny	Moderate	10:22		Surface	1.0	26.6	26.6	8.0	8.0	28.3	28.3	73.6	73.4	5.4	5.3		4.9	5.1		6.3	6.0	
				6.5	Middle	3.3	26.5 26.4	26.4	8.0 8.0	8.0	28.3 29.3	29.3	73.2 72.7	72.9	5.3 5.3	5.3	5.3	5.3 5.6	5.5	5.4	5.7 6.0	6.2	6.1
					Bottom	5.5	26.4 26.3	26.3	8.0 8.0	8.0	29.3 29.6	29.5	73.0 72.7	72.9	5.3 5.3	5.3	5.3	5.3 5.8	5.7		6.4 5.9	6.0	
7-Sep-15	Sunny	Moderate	16:59		Surface	1.0	26.3 27.1	27.0	8.0 8.1	8.1	29.5 26.8	27.2	73.1 77.2	77.2	5.3 5.3	5.2		5.5 2.7	2.8		6.1 3.7	4.0	
							26.8 26.7		8.1 8.1		27.6 29.3		77.2 76.6	-	5.2 5.2		5.2	2.9		2.9	4.2 3.8		4.5
				6.8	Middle	3.4	26.7 26.7	26.7	8.1 8.1	8.1	29.2 30.0	29.2	76.0 75.4	76.3	5.1 5.1	5.2		3.0	3.0	2.9	5.3 4.2	4.6	4.5
9-Sep-15	Sunny	Moderate	18:32		Bottom	5.8	26.8 26.1	26.8	8.1 7.9	8.1	29.7 31.2	29.9	76.5 83.8	76.0	5.2 6.0	5.1	5.1	2.8 3.0	2.9		5.6 3.8	4.9	
0 000					Surface	1.0	26.4 26.1	26.3	7.9 7.9	7.9	30.1 31.6	30.7	80.6 78.1	82.2	5.8	5.9	5.8	2.8	2.9		2.6	3.2	
				6.7	Middle	3.4	26.1 26.1	26.1	7.9 7.9	7.9	31.6 31.8	31.6	79.0 78.4	78.6	5.7 5.6	5.6		3.8	3.7	3.6	6.3	6.3	4.6
44.0 45	E.	Mar I and a	40.04		Bottom	5.7	26.0	26.0	7.9	7.9	32.0	31.9	78.8	78.6	5.7	5.7	5.7	4.2	4.1		4.6	4.4	
11-Sep-15	Fine	Moderate	19:24		Surface	1.0	27.0 27.1	27.0	8.2 8.3	8.2	30.2 29.5	29.9	86.4 88.4	87.4	5.8 6.0	5.9	5.8	4.1	4.1		5.4 6.6	6.0	
				6.6	Middle	3.3	26.5 26.6	26.6	8.2 8.2	8.2	32.4 30.9	31.6	83.9 81.5	82.7	5.6 5.5	5.6		4.4 4.4	4.4	4.3	6.1 6.8	6.5	6.9
					Bottom	5.6	26.4 26.4	26.4	8.2 8.2	8.2	32.9 32.8	32.8	82.2 81.2	81.7	5.5 5.4	5.5	5.5	4.5 4.4	4.5		7.3 9.2	8.3	
14-Sep-15	Sunny	Moderate	06:23		Surface	1.0	26.5 26.5	26.5	7.8 7.8	7.8	33.8 33.3	33.6	86.6 85.9	86.3	5.8 5.8	5.8	5.7	4.3 4.2	4.3		3.7 3.7	3.7	
				6.4	Middle	3.2	26.5 26.5	26.5	7.8 7.8	7.8	34.2 34.4	34.3	83.5 85.2	84.4	5.6 5.7	5.6	5.7	4.3 4.4	4.4	4.4	3.5 3.6	3.6	3.5
					Bottom	5.4	26.5 26.5	26.5	7.8 7.8	7.8	34.3 34.3	34.3	83.1 82.8	83.0	5.6 5.5	5.6	5.6	4.6 4.5	4.6		3.0 3.2	3.1	
16-Sep-15	Fine	Moderate	07:41		Surface	1.0	27.2 27.2	27.2	8.1 8.1	8.1	34.1 34.0	34.0	79.0 79.1	79.1	5.2 5.2	5.2		5.3 5.4	5.4		5.4 6.1	5.8	
				6.5	Middle	3.3	27.2 27.2	27.2	8.1 8.1	8.1	34.4 34.4	34.4	79.0 78.9	79.0	5.2 5.2	5.2	5.2	5.5 5.4	5.5	5.5	5.8 6.3	6.1	6.4
					Bottom	5.5	27.2 27.2	27.2	8.1 8.1	8.1	34.7 34.4	34.5	79.2 78.9	79.1	5.2 5.2	5.2	5.2	5.5 5.6	5.6		6.9 7.9	7.4	
18-Sep-15	Fine	Moderate	08:51		Surface	1.0	27.5	27.5	8.1	8.1	31.5	31.6	79.2	79.7	5.2	5.3		5.1	5.1		4.8	3.9	
				6.5	Middle	3.3	27.5 27.5	27.5	8.1 8.1	8.1	31.7 32.8	32.8	80.1 78.9	79.3	5.3 5.2	5.2	5.3	5.1	5.2	5.2	3.0 4.1	4.6	4.5
					Bottom	5.5	27.5 27.5	27.5	8.1 8.1	8.1	32.8 33.4	33.3	79.7 79.3	79.2	5.2 5.2	5.2	5.2	5.2 5.2	5.3		5.1 5.3	4.9	
21-Sep-15	Cloudy	Moderate	14:19		Surface	1.0	27.5 28.3	28.3	8.1 8.2	8.2	33.2 27.3	27.0	79.0 83.8	84.8	5.2 5.6	5.7		5.3 2.7	2.7		4.5 2.7	2.7	
				6.8	Middle	3.4	28.4 28.2	28.2	8.2 8.2	8.2	26.8 30.8	30.8	85.8 86.4	85.0	5.8 5.7	5.6	5.7	2.7 3.1	3.0	2.9	2.7 3.0	3.0	2.9
				0.0	-		28.2 28.2		8.2 8.2		30.9 31.2		83.5 84.4		5.5 5.5		<i>-</i>	2.9 2.9		2.9	2.9 2.6		2.9
					Bottom	5.8	28.2	28.2	8.2	8.2	31.0	31.1	90.7	87.6	6.0	5.8	5.8	3.2	3.1		3.5	3.1	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR10A - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Samplin	g	Tempera	ature (°C)	ŗ	Н	Salini	ty (ppt)	DO Satu	ration (%)	Dissolv	ed Oxygen	(mg/L)	Т	urbidity(NTl	J)	Susper	nded Solids	(mg/L)
	Condition	Condition**	Time	Depth (m)	Depth (m	n)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	16:54		Surface	1.0	28.5 28.4	28.5	8.2 8.2	8.2	30.2 30.7	30.5	82.5 82.3	82.4	5.4 5.4	5.4	5.4	2.7 2.7	2.7		4.4 3.7	4.1	
				6.7	Middle	3.4	28.5 28.5	28.5	8.2 8.2	8.2	31.4 31.4	31.4	84.2 81.7	83.0	5.5 5.3	5.4	3.4	3.2 3.0	3.1	3.0	4.5 4.9	4.7	4.6
					Bottom	5.7	28.4 28.4	28.4	8.3 8.2	8.2	33.1 33.0	33.1	86.6 81.9	84.3	5.6 5.3	5.5	5.5	3.4 3.2	3.3		4.7 5.5	5.1	
25-Sep-15	Sunny	Moderate	18:21		Surface	1.0	28.9 28.9	28.9	8.3 8.3	8.3	28.9 28.5	28.7	84.3 83.7	84.0	5.5 5.5	5.5	5.5	4.7 4.8	4.8		1.6 1.7	1.7	
				6.3	Middle	3.2	28.8 28.8	28.8	8.3 8.3	8.3	31.0 31.3	31.1	84.3 85.0	84.7	5.5 5.5	5.5	0.0	5.6 5.3	5.5	5.2	1.7 1.8	1.8	1.8
					Bottom	5.3	28.8 28.8	28.8	8.2 8.3	8.3	32.1 31.9	32.0	83.6 84.7	84.2	5.4 5.5	5.4	5.4	5.1 5.2	5.2		1.9 1.8	1.9	
28-Sep-15	Sunny	Moderate	05:41		Surface	1.0	28.6 28.6	28.6	8.2 8.2	8.2	33.4 33.1	33.3	78.5 78.5	78.5	5.4 5.4	5.4	5.4	9.7 9.5	9.6		4.2 3.8	4.0	
				6.6	Middle	3.3	28.5 28.6	28.6	8.2 8.2	8.2	34.3 34.3	34.3	78.7 78.3	78.5	5.4 5.4	5.4	3.4	9.6 9.7	9.7	9.7	5.3 5.2	5.3	4.9
					Bottom	5.6	28.5 28.6	28.6	8.2 8.2	8.2	34.4 34.1	34.3	79.1 78.1	78.6	5.4 5.4	5.4	5.4	9.5 9.9	9.7		5.8 4.8	5.3	
30-Sep-15	Fine	Moderate	07:01		Surface	1.0	28.7 28.7	28.7	8.1 8.1	8.1	31.2 31.4	31.3	78.3 77.9	78.1	5.2 5.2	5.2	5.2	12.3 12.3	12.3	_	7.3 6.8	7.1	
				6.5	Middle	3.3	28.6 28.7	28.7	8.1 8.1	8.1	33.0 32.3	32.7	77.1 77.3	77.2	5.1 5.1	5.1	5.2	12.4 12.2	12.3	12.4	8.1 7.2	7.7	7.6
					Bottom	5.5	28.6 28.7	28.7	8.1 8.1	8.1	33.1 33.1	33.1	77.2 77.6	77.4	5.1 5.1	5.1	5.1	12.4 12.6	12.5		8.3 7.4	7.9]

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS6, CSA and CS(Mf)5 are considered as upstream contol stations of mid-flood tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR10B(N) - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Samp	ling	Tempera	ature (°C)	F	Н	Salinit	ty (ppt)	DO Satu	ration (%)	Dissolv	ved Oxygen	(mg/L)	Т	urbidity(NT	U)	Suspe	nded Solids	s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Sep-15	Rainy	Moderate	16:10		Surface	1.0	26.7 26.7	26.7	8.1 8.1	8.1	29.9 30.2	30.0	82.2 81.6	81.9	5.5 5.5	5.5		6.4 6.5	6.5		6.9 7.7	7.3	
				5.1	Middle	-	-	-	-	-	-	-	-	-	-	-	5.5	-	-	6.5	-	-	7.4
					Bottom	4.1	26.7 26.6	26.7	8.1 8.1	8.1	30.1 30.5	30.3	81.8 81.4	81.6	5.5 5.5	5.5	5.5	6.5 6.5	6.5		7.0	7.5	
4-Sep-15	Sunny	Moderate	17:34				26.8		8.1		30.5		77.8		5.6			4.1			8.0		
4 OCP 10	Curiny	Woderate	17.04		Surface	1.0	27.2	27.0	8.1	8.1	30.2	30.3	79.0	78.4	5.6	5.6	5.6	4.2	4.2		7.1	7.6	
				4.9	Middle	-	-	-	-	-	31.9	-	78.6	-	-	-		-	-	4.3	5.8	-	6.6
					Bottom	3.9	26.8 26.9	26.8	8.0 8.1	8.1	31.0	31.5	78.0	78.3	5.6 5.6	5.6	5.6	4.1 4.5	4.3		5.1	5.5	
7-Sep-15	Cloudy	Moderate	07:31		Surface	1.0	29.0 29.0	29.0	8.0 8.0	8.0	17.0 17.1	17.1	88.6 88.0	88.3	6.2 6.2	6.2	6.2	2.5 2.4	2.5		3.0 4.2	3.6]
				5.2	Middle	-	-	-	-	-	-	-	-	-	-	-	0.2	-	-	2.5	-	-	3.8
					Bottom	4.2	28.9 29.0	29.0	8.0 8.0	8.0	18.8 18.6	18.7	88.2 88.7	88.5	6.1 6.2	6.1	6.1	2.4 2.4	2.4		4.4 3.3	3.9	
9-Sep-15	Sunny	Moderate	09:27		Surface	1.0	26.1 26.2	26.2	8.0 8.0	8.0	30.9 30.6	30.7	83.3 84.7	84.0	6.0 6.1	6.1		2.0	2.1		2.3 3.4	2.9	
				5.2	Middle	-	-	-	-	-	-	-	-	-	-	-	6.1	-	-	2.2	-	-	2.6
					Bottom	4.2	26.1 26.2	26.1	8.0	8.0	30.6 30.7	30.7	80.9 82.8	81.9	5.8 6.0	5.9	5.9	2.1	2.2		2.6	2.3	
11-Sep-15	Fine	Moderate	11:11		Surface	1.0	27.1	27.1	8.0	8.2	30.2	30.5	103.9	105.8	7.0	7.1		2.4	2.4		5.3	5.0	
				4.6	Middle	_	27.0	-	8.2	_	30.8	_	107.7	_	7.2	_	7.1	2.4	-	2.5	4.6	-	6.1
					Bottom	3.6	26.7	26.7	8.2	8.2	32.2	32.0	98.0	99.2	6.6	6.7	6.7	2.6	2.6		7.2	7.1	
44.0 45		Madanta	4440		Dottom	0.0	26.8	20.7	8.2	0.2	31.8	02.0	100.3	00.E	6.7	0.1	0.1	2.6	2.0		7.0	7	
14-Sep-15	Sunny	Moderate	14:18		Surface	1.0	27.0 26.9	26.9	7.8 7.8	7.8	32.8 32.9	32.9	85.2 85.7	85.5	5.7 5.7	5.7	5.7	5.6 5.6	5.6		6.4 7.2	6.8	
				4.9	Middle	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	5.8	-	-	6.4
					Bottom	3.9	26.9 26.9	26.9	7.8 7.9	7.9	32.9 32.9	32.9	82.5 82.9	82.7	5.5 5.6	5.5	5.5	5.9 5.8	5.9		6.3 5.7	6.0	
16-Sep-15	Fine	Moderate	15:30		Surface	1.0	27.6 27.7	27.6	8.2 8.2	8.2	33.3 33.2	33.3	85.5 86.9	86.2	5.6 5.7	5.6	5.6	3.7 3.7	3.7		3.5 3.1	3.3	
				5.0	Middle		-	-	-	-	-	-		-		-	3.0	-	-	3.8	-	-	3.3
					Bottom	4.0	27.3 27.7	27.5	8.2 8.2	8.2	34.1 33.4	33.7	85.1 86.6	85.9	5.6 5.7	5.6	5.6	3.8 3.7	3.8		3.7 2.8	3.3	
18-Sep-15	Fine	Moderate	16:31		Surface	1.0	27.8 27.8	27.8	8.2 8.2	8.2	33.8 33.8	33.8	81.2 81.1	81.2	5.3 5.3	5.3	_	4.8 4.7	4.8		4.0	3.6	
				5.0	Middle	-	-	-	-	-	-	-	-	-	-	-	5.3	-	-	4.9	-	-	4.4
					Bottom	4.0	27.7 27.8	27.7	8.2 8.2	8.2	34.5 34.2	34.4	80.9 81.0	81.0	5.3 5.3	5.3	5.3	4.9 4.8	4.9		5.2 5.1	5.2	
21-Sep-15	Rainy	Moderate	04:26		Surface	1.0	28.5	28.5	8.1	8.1	19.0	19.7	89.3	89.7	6.2	6.2		3.3	3.3		1.9	1.9	
				5.2	Middle	-	28.5	-	8.1	-	20.3	_	90.1	_	6.2	_	6.2	3.3	-	3.3	1.9	-	2.4
					Bottom	4.2	28.6	28.5	8.1	8.1	23.9	23.9	92.9	91.4	6.3	6.2	6.2	3.3	3.3		2.9	2.9	
					Dottoill	7.4	28.5	20.0	8.1	0.1	23.8	20.0	89.9	31.7	6.1	0.2	0.2	3.2	5.5		2.8	2.0	<u> </u>

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR10B(N) - Mid-EbbTide

Date	Weather	Sea	Sampling	Water	Sampli	Sampling		ature (°C)	F	Н	Salinit	y (ppt)	DO Satu	ration (%)	Dissolv	red Oxygen	(mg/L)	Т	urbidity(NT	J)	Suspended Solids (mg/L)		s (mg/L)
	Condition	Condition**	Time	Depth (m)	Depth ((m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	07:39		Surface	1.0	28.4 28.5	28.4	8.2 8.2	8.2	28.2 27.9	28.0	90.6 89.1	89.9	6.0 5.9	6.0	6.0	1.6 1.6	1.6		2.7 2.5	2.6	
				5.3	Middle	-	-	•		-	-	i		-		-	0.0	-	-	1.6		-	3.1
					Bottom	4.3	28.4 28.5	28.5	8.2 8.2	8.2	29.3 29.9	29.6	89.9 93.3	91.6	5.9 6.1	6.0	6.0	1.6 1.5	1.6		3.1 4.1	3.6	
25-Sep-15	Sunny	Moderate	09:26		Surface	1.0	29.2 29.1	29.2	8.2 8.2	8.2	24.9 24.8	24.9	95.3 95.3	95.3	6.4 6.4	6.4	6.4	1.9 1.8	1.9		2.8 2.8	2.8	
				4.8	Middle	-	-	-		-	-	-		-		-	0.4	-	-	1.9	-	-	3.2
					Bottom	3.8	29.0 29.1	29.1	8.2 8.2	8.2	26.9 26.4	26.6	93.9 95.2	94.6	6.2 6.3	6.3	6.3	1.9 1.9	1.9		3.6 3.6	3.6	
28-Sep-15	Sunny	Moderate	13:41		Surface	1.0	28.7 28.7	28.7	8.2 8.2	8.2	34.4 34.4	34.4	80.9 80.9	80.9	5.5 5.5	5.5	5.5	4.8 4.9	4.9		3.6 4.5 5.3	4.9	
		ļ		5.1	Middle	•	-	-		-	-	-		-		-	5.5	-	-	4.9	-	-	4.6
					Bottom	4.1	28.7 28.7	28.7	8.2 8.2	8.2	34.5 34.4	34.5	80.7 80.9	80.8	5.5 5.5	5.5	5.5	4.8 4.8	4.8		4.2 4.3	4.3	
30-Sep-15	Fine	Moderate	15:00		Surface	1.0	29.2 29.3	29.3	8.2 8.2	8.2	32.0 32.0	32.0	81.9 80.6	81.3	5.4 5.3	5.3	5.3	5.3 5.2	5.3		5.9 6.3	6.1	
				4.7	Middle	-	-	-	-	-	-	-	1 1	-		-	5.5	-	-	5.3	-	-	6.2
					Bottom	3.7	28.8 29.2	29.0	8.2 8.2	8.2	34.2 34.0	34.1	78.0 81.9	80.0	5.1 5.3	5.2	5.2	5.3 5.1	5.2		6.7 5.9	6.3	

Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS4 and CS(Mf)3 are considered as upstream contol stations of mid-ebb tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR10B(N) - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampling				pН		Salinit	ty (ppt)	DO Saturation (%)		Dissolved Oxygen (mg/L)			Т	urbidity(NT	U)	Suspended Solids (mg/L)		
	Condition	Condition**	Time	Depth (m)	Depth (m)		Value Average		Value Average		Value Average		Value			Value Average		Value Average		DA*	Value Averag		DA*
2-Sep-15	Rainy	Moderate	08:07		Surface	1.0	26.5 26.5	26.5	7.9 7.9	7.9	29.7 29.7	29.7	75.6 76.1	75.9	5.1 5.2	5.1		8.4 8.0	8.2		9.5 8.6	9.1	
				5.4	Middle	-	-	-	-	-	-	-	-	-	-	-	5.1	-	-	8.2	-	-	9.2
					Bottom	4.4	26.4 26.5	26.5	7.8 7.9	7.9	30.0 29.8	29.9	78.1 75.8	77.0	5.3 5.1	5.2	5.2	8.1 8.1	8.1		8.9 9.4	9.2	
4-Sep-15	Sunny	Moderate	10:09				26.6		8.0		28.6		74.6		5.4			5.1			5.3		lacksquare
4 OCP 10	Curiny	Woderate	10.00		Surface	1.0	26.6	26.6	8.0	8.0	28.4	28.5	75.3	75.0	5.5	5.4	5.4	5.1	5.1		5.1	5.2	
				5.2	Middle	-	26.5	-	8.0	-	29.1	-	74.8	-	5.4	-		5.1	-	5.2	5.1	-	5.3
					Bottom	4.2	26.4	26.5	8.0	8.0	29.2	29.2	75.6	75.2	5.5	5.5	5.5	5.3	5.2		5.7	5.4	
7-Sep-15	Sunny	Moderate	17:06		Surface	1.0	26.7 27.2	27.0	8.1 8.1	8.1	28.2 26.4	27.3	75.9 76.9	76.4	5.2 5.2	5.2	5.2	2.8 2.8	2.8		5.1 4.7	4.9	
				5.1	Middle	-	-	-	-	-	-	-	-	-	-	-	0.2	-	-	2.8	-	-	5.0
					Bottom	4.1	26.9 26.5	26.7	8.1 8.1	8.1	30.3 29.9	30.1	76.7 74.8	75.8	5.1 5.1	5.1	5.1	2.7 2.9	2.8		5.7 4.3	5.0	
9-Sep-15	9-Sep-15 Sunny	Moderate	18:44		Surface	1.0	26.1 26.1	26.1	7.9 7.9	7.9	31.2 31.1	31.2	75.5 75.8	75.7	5.4 5.5	5.5		2.3 2.5	2.4		5.7 6.1	5.9	
				5.3	Middle	-	-	-	-	-	-	-	-	-	-	-	5.5	-	-	2.8	-	-	4.9
					Bottom	4.3	26.1 26.1	26.1	7.9 7.9	7.9	31.5 31.6	31.5	75.3 75.7	75.5	5.4 5.5	5.4	5.4	3.0	3.2		3.3 4.5	3.9	
11-Sep-15	Fine	Moderate	19:36		Surface	1.0	26.8	26.8	8.2	8.2	31.1	31.1	83.8	83.2	5.6	5.6		3.7	3.8		4.1	4.8	
				5.0	Middle	_	26.7	_	8.2	_	31.2	_	82.5	_	5.5 -	_	5.6	3.8	_	3.8	5.5	-	4.2
					Bottom	4.0	26.5	26.5	8.2	8.2	32.6	32.9	83.4	83.0	5.6	5.5	5.5	3.8	3.8		3.4	3.5	. !
110 15			20.10		Dottom	4.0	26.5	20.5	8.2	0.2	33.1	32.3	82.5	03.0	5.5	3.3	0.0	3.8	3.0		3.6	5.5	
14-Sep-15	Sunny	Moderate	06:19		Surface	1.0	26.4 26.4	26.4	7.7 7.7	7.7	35.8 35.7	35.8	84.3 85.5	84.9	5.6 5.7	5.7	5.7	6.4 6.5	6.5		6.8 6.4	6.6	
				4.9	Middle	0.0	0.0 0.0	0.0	-	-	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0		0.0 0.0	0.0	6.6	-	-	6.9
					Bottom	3.9	26.4 26.4	26.4	7.7 7.7	7.7	36.0 35.8	35.9	81.4 81.7	81.6	5.5 5.5	5.5	5.5	6.7 6.6	6.7		7.7 6.6	7.2	
16-Sep-15	Fine	Moderate	07:31		Surface	1.0	27.2 27.2	27.2	8.1 8.1	8.1	33.9 33.9	33.9	79.9 80.4	80.2	5.3 5.3	5.3	5.3	5.3 5.3	5.3		5.0 4.4	4.7	
				4.9	Middle		-	-	-	-	-	-	-	-	-	-	5.5	-	-	5.4	-	-	5.4
					Bottom	3.9	27.2 27.2	27.2	8.1 8.1	8.1	34.0 34.1	34.1	82.0 80.1	81.1	5.4 5.3	5.3	5.3	5.4 5.3	5.4		6.0 6.2	6.1	
18-Sep-15	Fine	Moderate	08:42		Surface	1.0	27.5 27.5	27.5	8.1 8.1	8.1	32.6 32.3	32.5	80.3 80.5	80.4	5.3 5.3	5.3		5.3 5.3	5.3		4.8 4.3	4.6	
				5.2	Middle	-	-	-	-	-	-	-	-	-	-	-	5.3	-	-	5.4	-	-	3.9
					Bottom	4.2	27.5	27.5	8.1	8.1	33.7	33.3	80.5	80.4	5.3	5.3	5.3	5.4	5.5		3.3	3.2	
21-Sep-15	Cloudy	Moderate	14:32		Surface	1.0	27.5 28.2	28.2	8.1 8.2	8.2	32.8 28.5	28.9	80.3 82.7	82.5	5.3 5.5	5.5		5.5 2.7	2.7		3.1 3.4	2.9	
				5.5	Middle		28.2		8.2	-	29.3		82.2	52.0	5.5 -		5.5	2.6	-	2.7	2.3		2.7
				5.5		-	28.2	-	8.2	-	30.8	-	82.4		5.4	-		2.7		2.1	2.2		. 2.1
					Bottom	4.5	28.2	28.2	8.2	8.2	31.0	30.9	82.4	82.4	5.4	5.4	5.4	2.4	2.6		2.8	2.5	

Remarks:

* DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Water Quality Monitoring Results at SR10B(N) - Mid-FloodTide

Date	Weather	Sea	Sampling	Water	Sampling		Tempera	ature (°C)	F	Н	Salini	ty (ppt)	DO Saturation (%)		Dissol	ved Oxygen	(mg/L)	Т	urbidity(NTI	J)	Susper	s (mg/L)	
	Condition	Condition**	Time	Depth (m)	Depth	(m)	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
23-Sep-15	Sunny	Moderate	17:06		Surface	1.0	28.6 28.5	28.6	8.2 8.2	8.2	30.7 30.4	30.5	82.2 83.0	82.6	5.4 5.4	5.4	5.4	2.6 2.6	2.6		4.2 4.6	4.4	
				5.5	Middle	-		-		-	-	-	-			-	5.4	-	-	2.5	-	-	4.4
					Bottom	4.5	28.5 28.5	28.5	8.2 8.2	8.2	32.0 32.4	32.2	82.4 82.1	82.3	5.4 5.3	5.3	5.3	2.3 2.5	2.4		4.4 4.1	4.3	
25-Sep-15	Sunny	Moderate	18:30		Surface	1.0	28.9 28.9	28.9	8.3 8.3	8.3	28.5 28.4	28.5	83.0 83.4	83.2	5.5 5.5	5.5	5.5	4.0 4.0	4.0		2.6 2.3	2.5	
				5.4	Middle		-	-	-	-	-	-	-	-	-		5.5	-	-	4.2	-	-	2.5
					Bottom	4.4	28.9 28.8	28.9	8.2 8.2	8.2	31.0 31.4	31.2	82.8 83.8	83.3	5.4 5.4	5.4	5.4	4.3 4.4	4.4		2.7 2.2	2.5	
28-Sep-15	Sunny	Moderate	05:33		Surface	1.0	28.6 28.6	28.6	8.2 8.2	8.2	34.7 34.6	34.6	80.2 79.7	80.0	5.5 5.5	5.5	5.5	10.9 10.6	10.8		3.7 4.5	4.1	
				5.1	Middle	•		-		-	-	-		-		-	5.5	-	-	10.9	-	-	4.1
					Bottom	4.1	28.5 28.5	28.5	8.2 8.2	8.2	34.9 34.7	34.8	81.9 79.7	80.8	5.6 5.5	5.5	5.5	10.7 11.0	10.9		4.4 3.8	4.1	
30-Sep-15	Fine	Moderate	06:52		Surface	1.0	28.8 28.7	28.8	8.1 8.1	8.1	31.4 31.8	31.6	78.4 78.3	78.4	5.2 5.2	5.2	5.2	13.1 13.1	13.1	_	7.5 7.9	7.7	
				5.2	Middle	-	1 1	-	1 1	-	-	-		-		-	5.2	-	-	13.2	-	-	7.9
					Bottom	4.2	28.8 28.7	28.7	8.1 8.1	8.1	32.1 33.4	32.7	78.3 78.5	78.4	5.2 5.2	5.2	5.2	13.2 13.2	13.2		8.7 7.3	8.0	

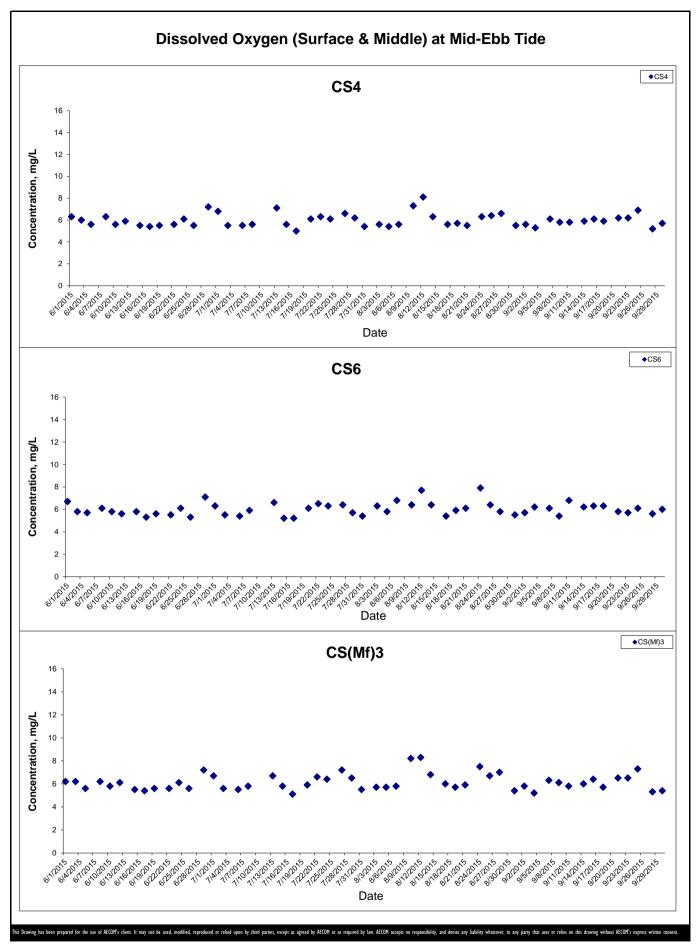
Remarks:

Bolded values means the measured values exceed the Action Level; Underlined bolded values means the measured values exceed the Limit Level.

CS6, CSA and CS(Mf)5 are considered as upstream contol stations of mid-flood tide. The averaged turbidity and suspended solid values of these stations will be used for determination of Action and Limit Levels.

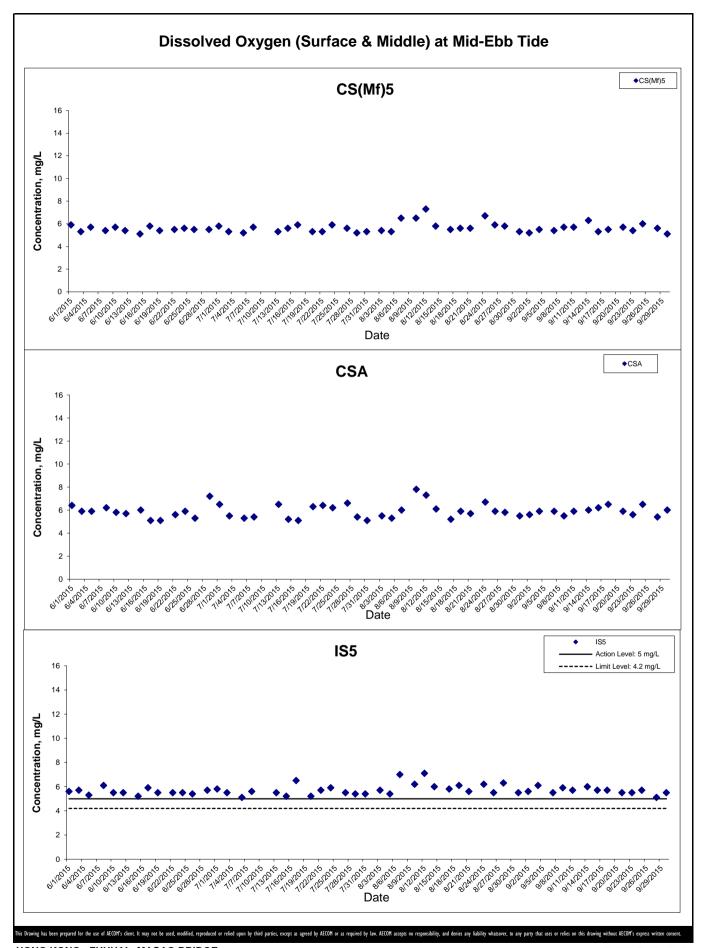
^{*} DA: Depth-Averaged

^{**} Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher



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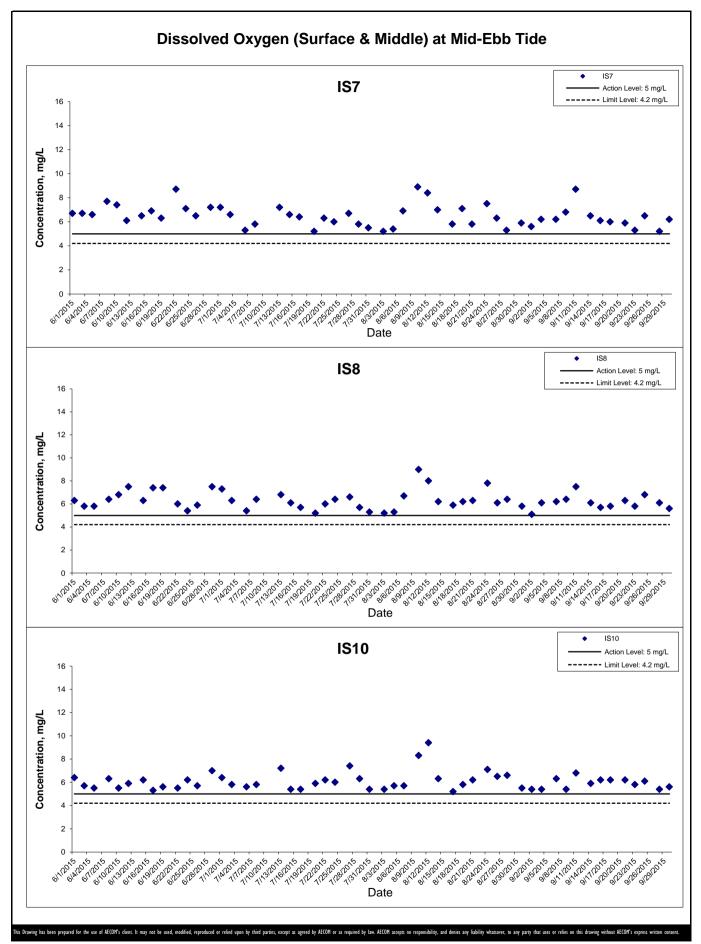
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Monitoring Results
Project No.: 60249820 Date: October 2015 Appendix J

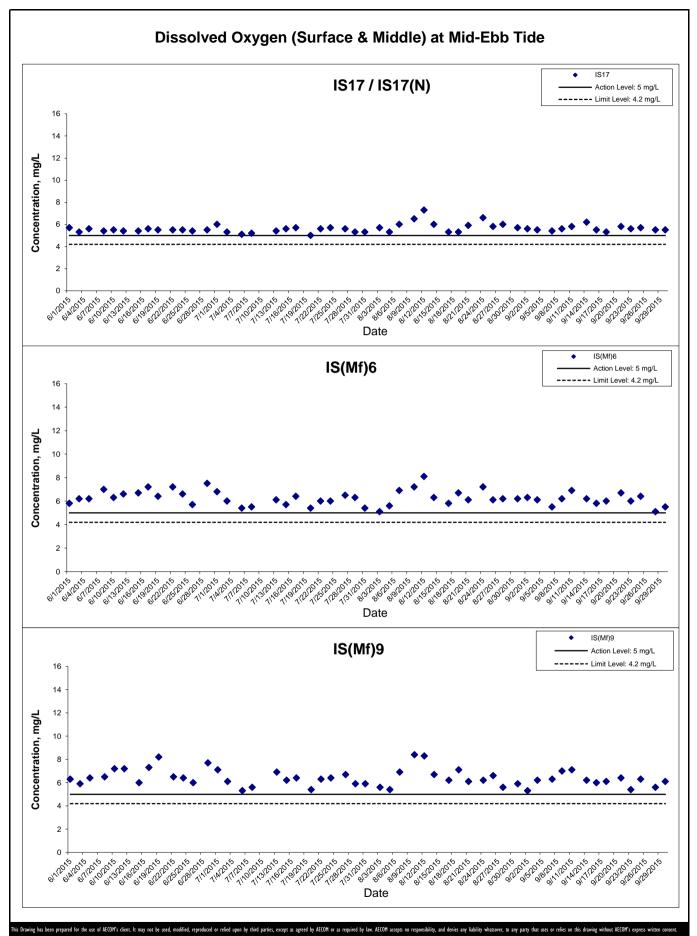


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Monitoring Results



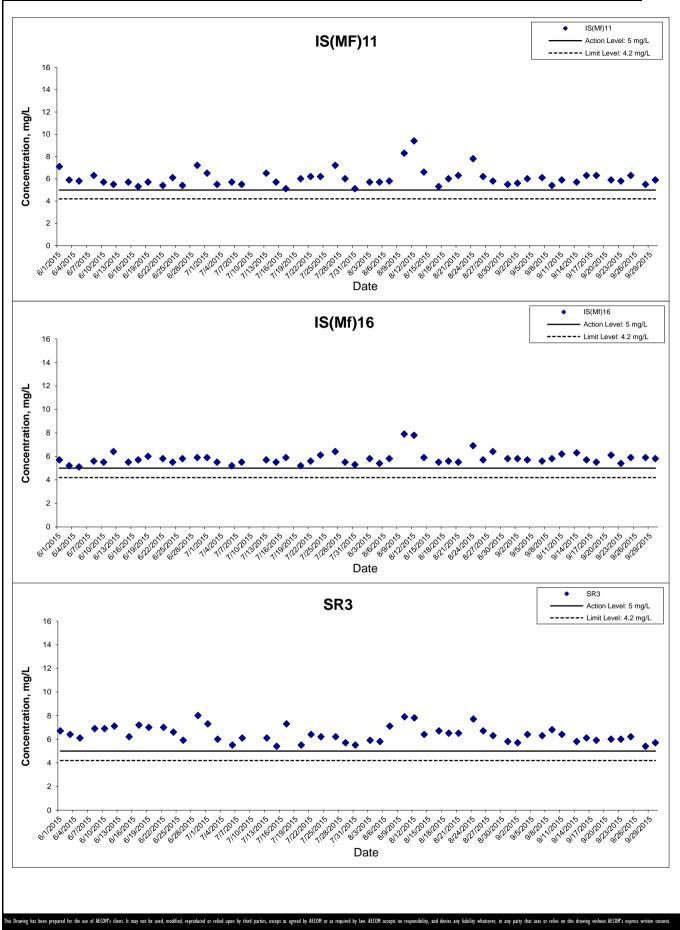
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Monitoring Results

Monitoring Results
Project No.: 60249820 Date: October 2015

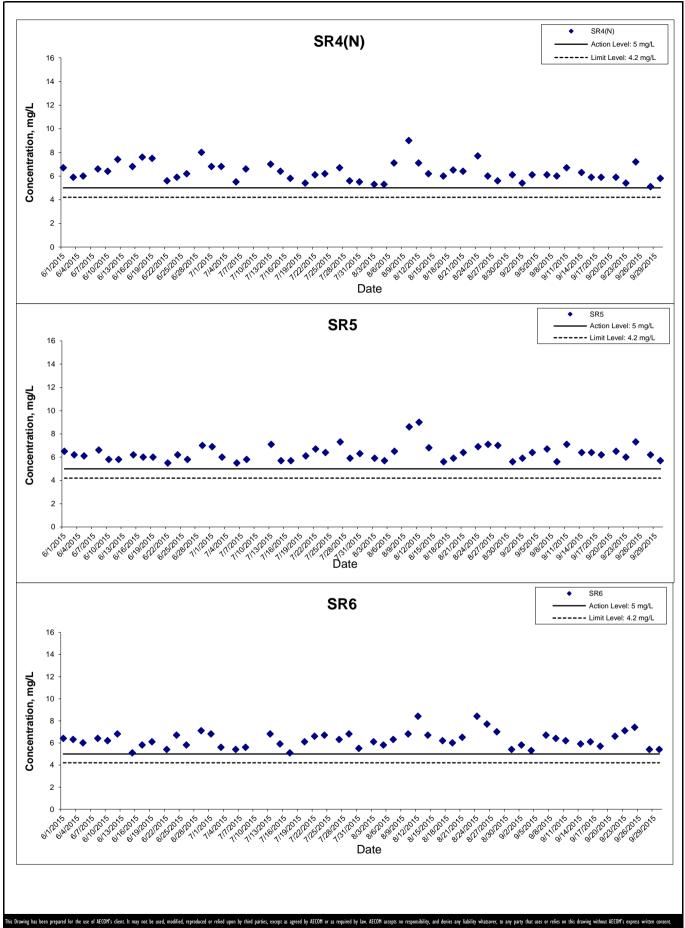




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Monitoring Results



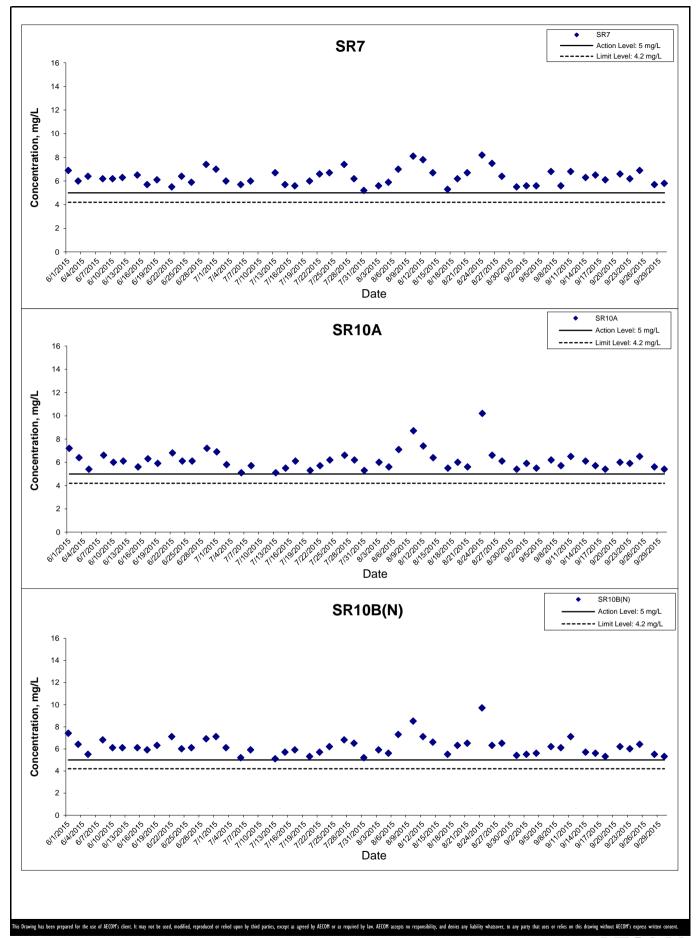
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Graphical Presentation of Impact Water Quality

Monitoring Results

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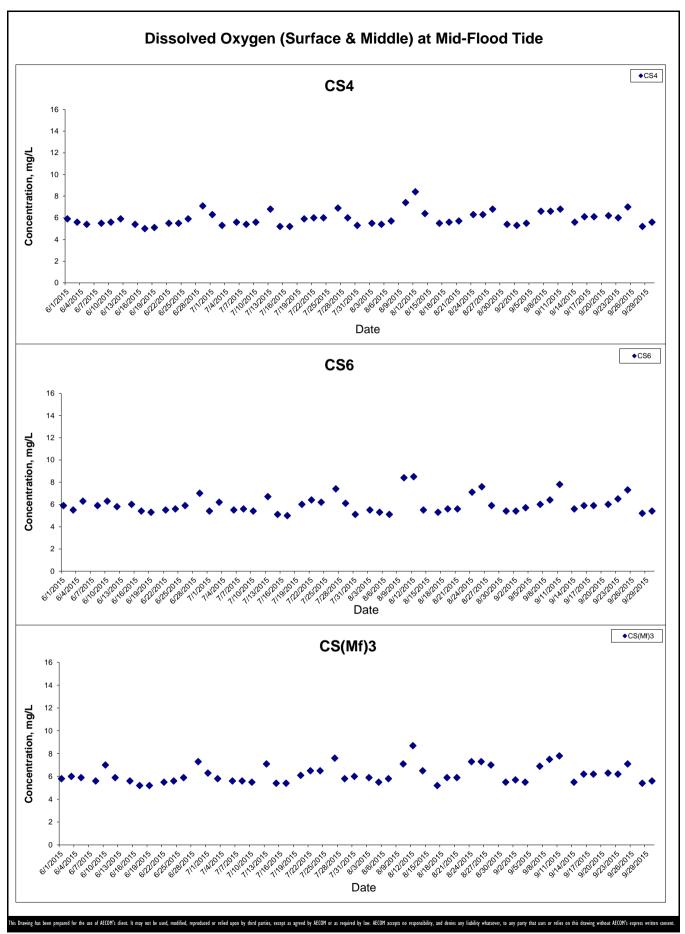
Project No.: 60249820 Date: October 2015 Appendix J



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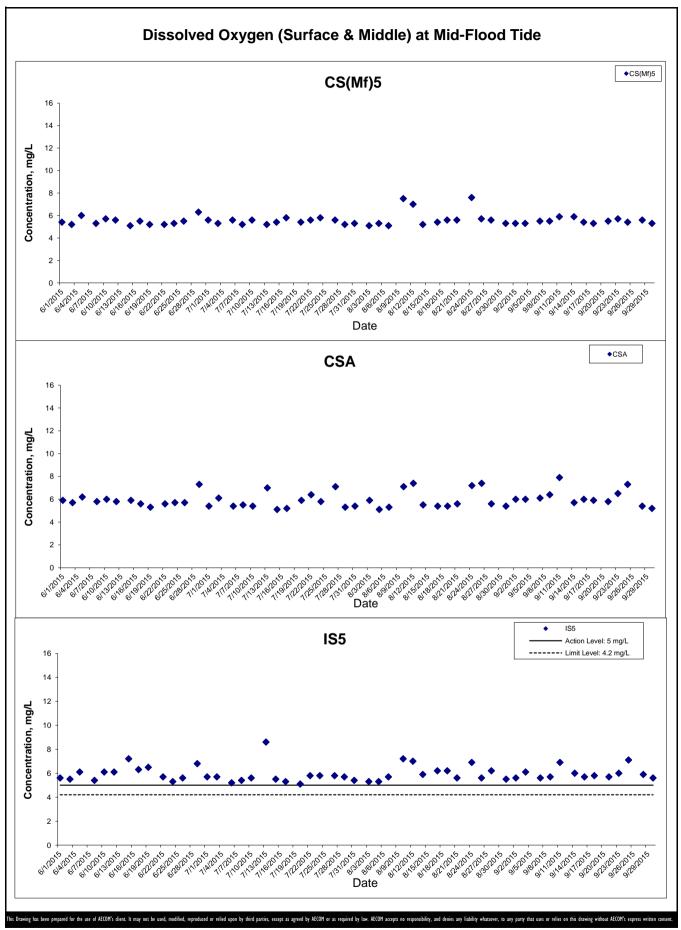
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Monitoring Results



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Graphical Presentation of Impact Water Quality
Monitoring Results

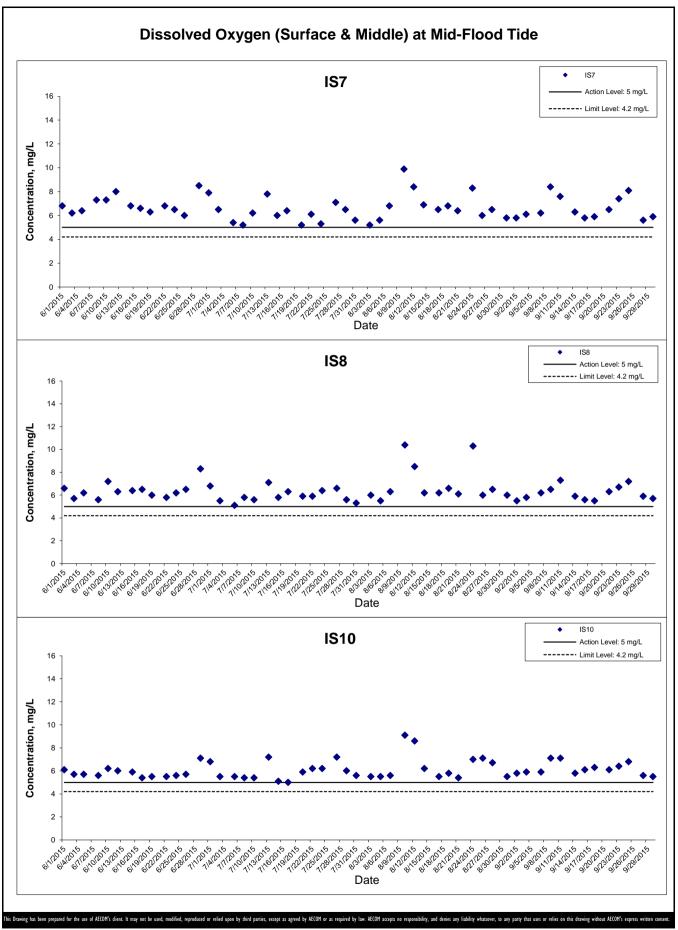


HONG KONG - ZHUHAI - MACAO BRIDGE
HONG KONG BOUNDARY CROSSING FACILITIES
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Graphical Presentation of Impact Water Quality

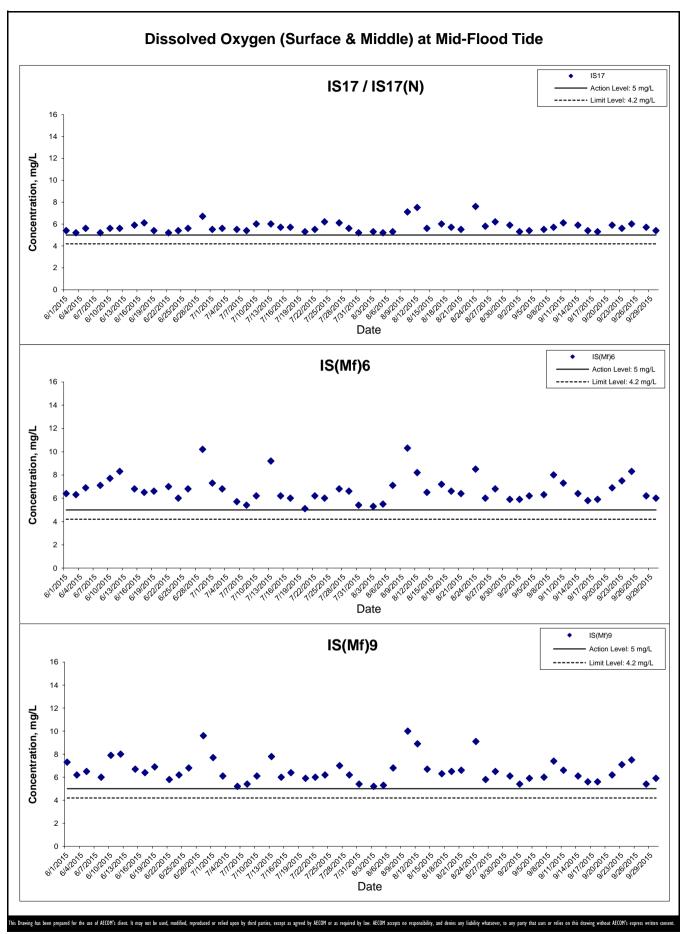
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Monitoring Results
Project No.: 60249820 Date: October 2015



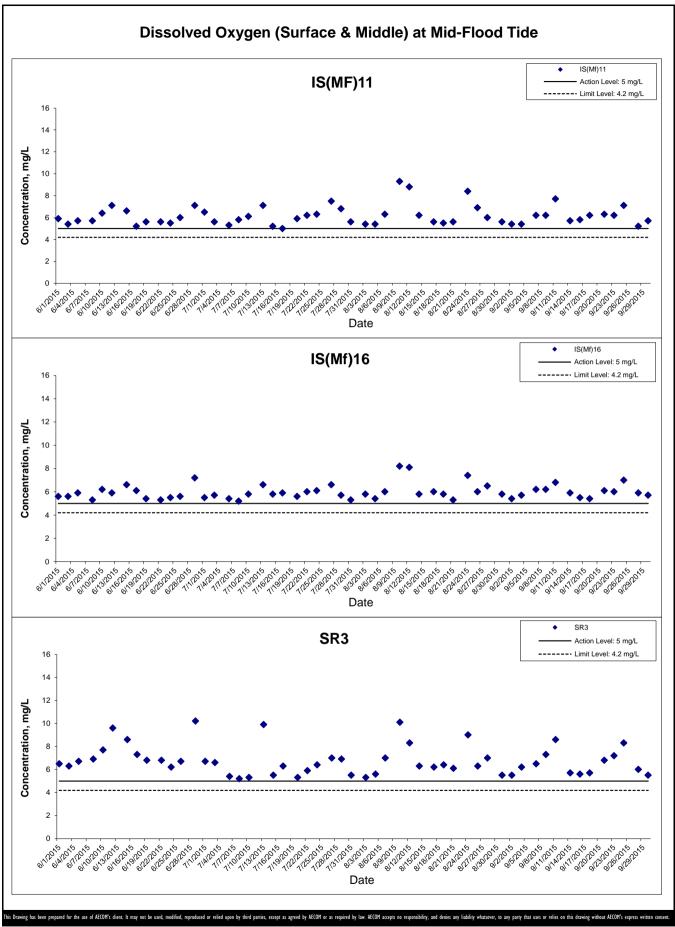
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Graphical Presentation of Impact Water Quality
Monitoring Results



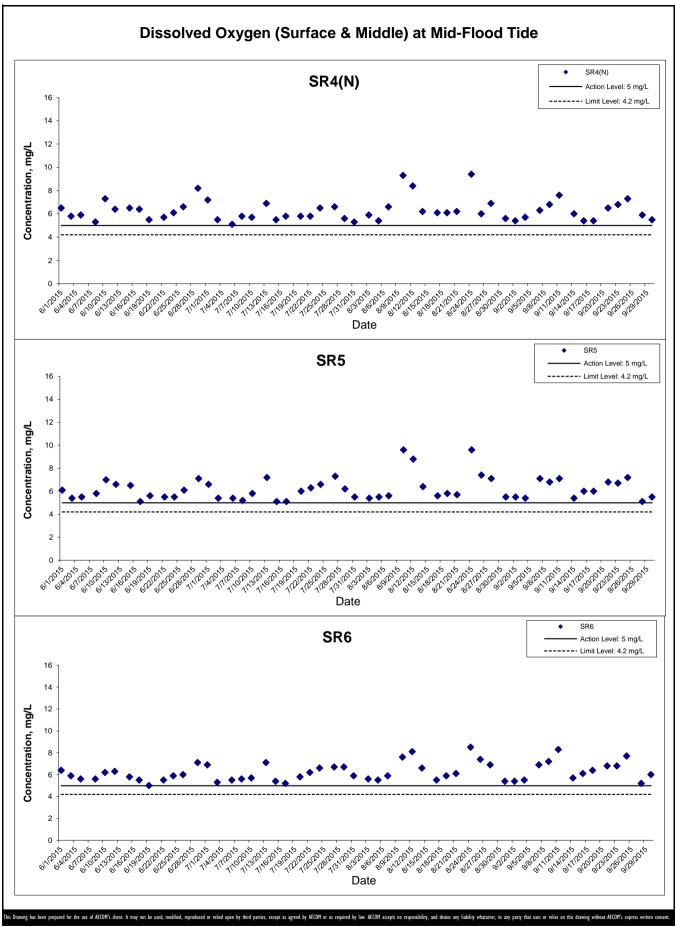
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HONG KONG BOUNDARY CROSSING FACILITIES
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Monitoring Results



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Monitoring Results

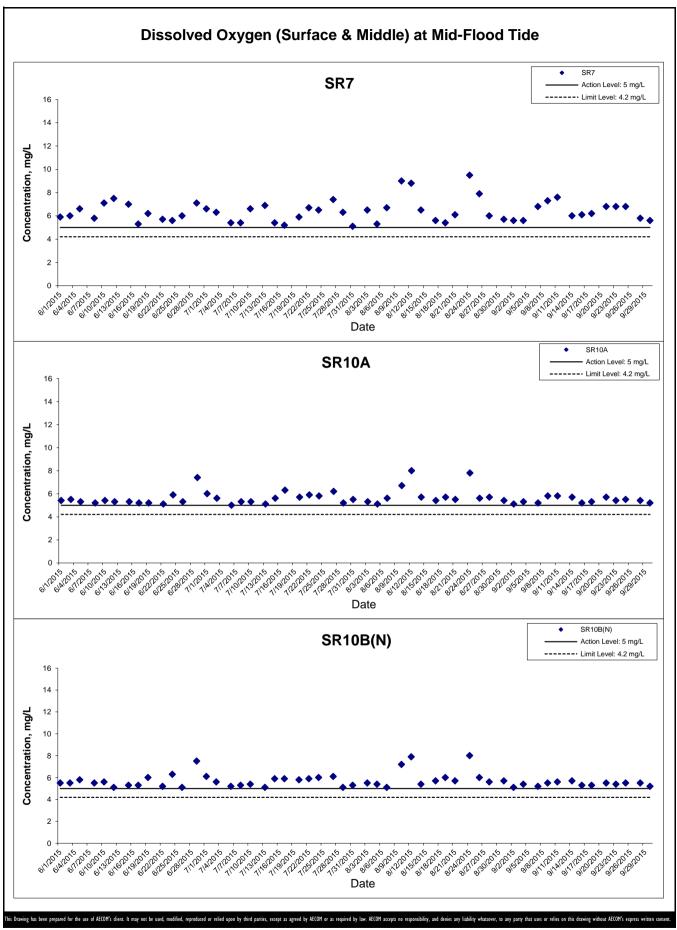


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Monitoring Results

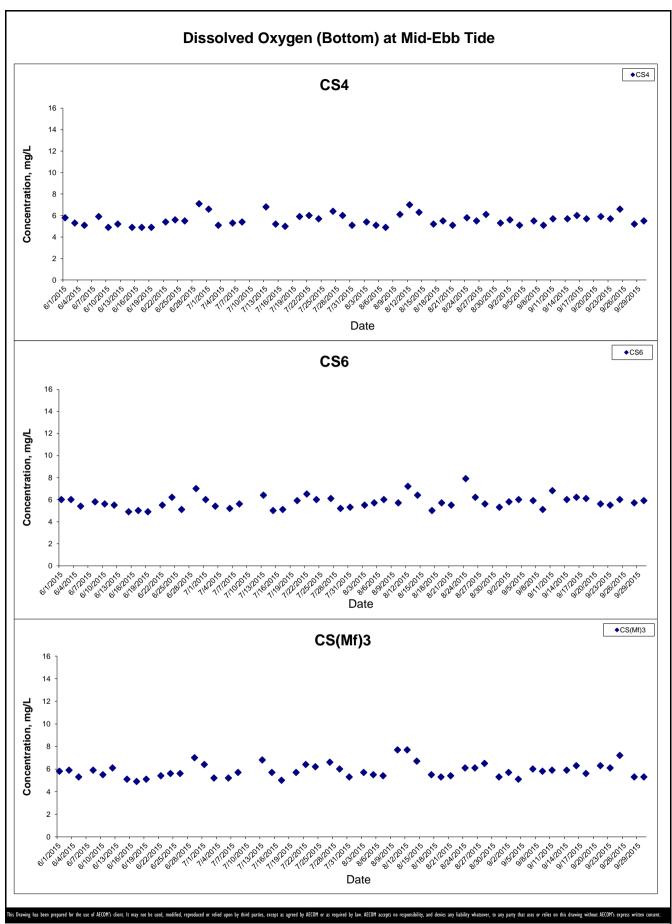
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Monitoring Results

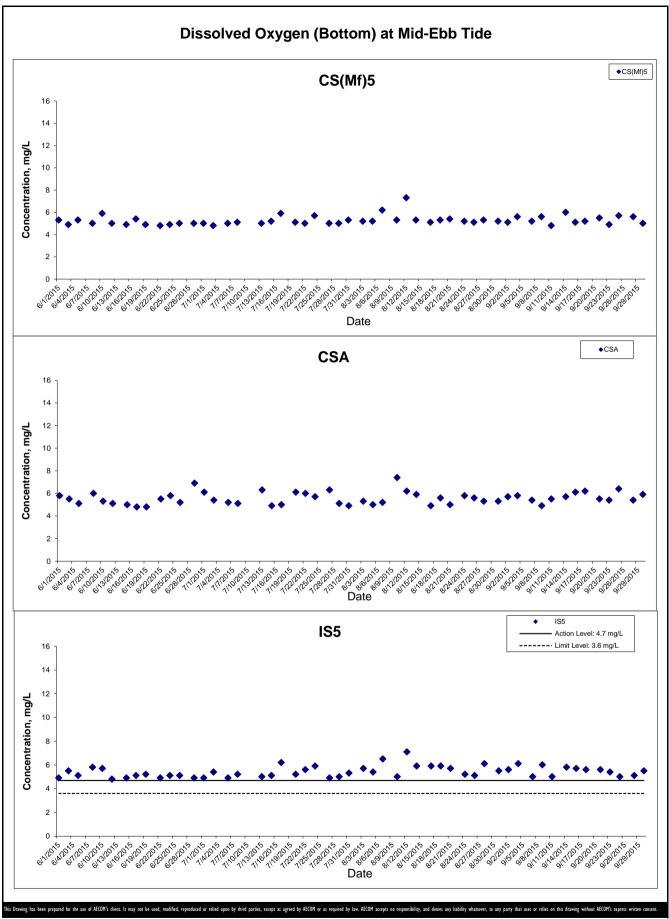
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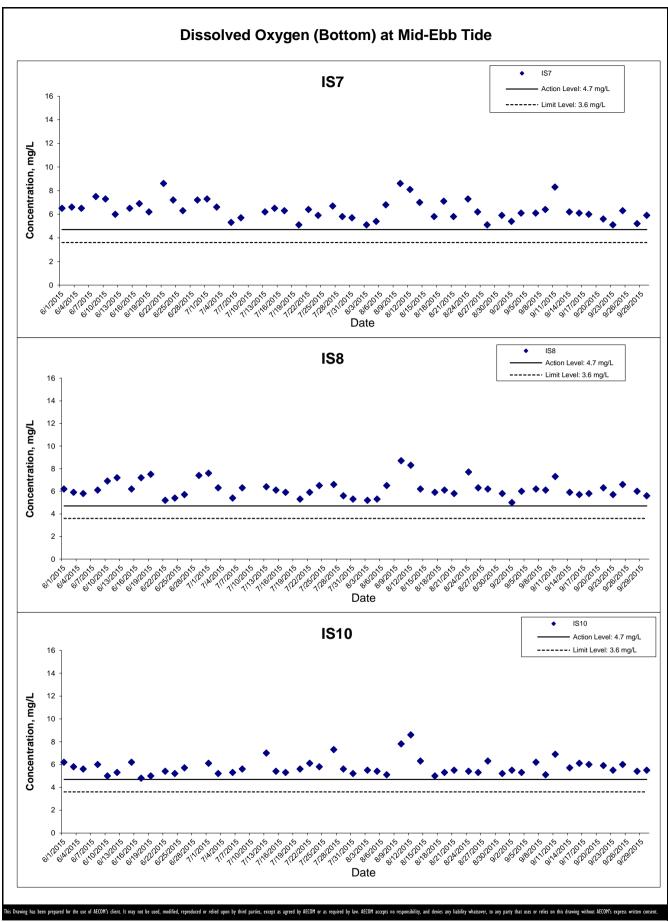
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Monitoring Results
Project No.: 60249820 Date: October 2015



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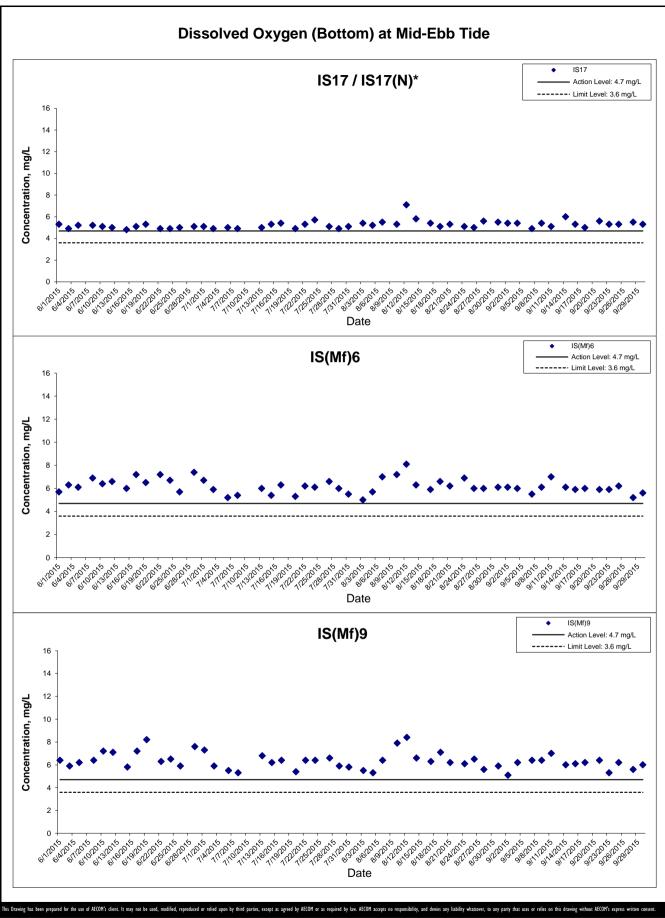
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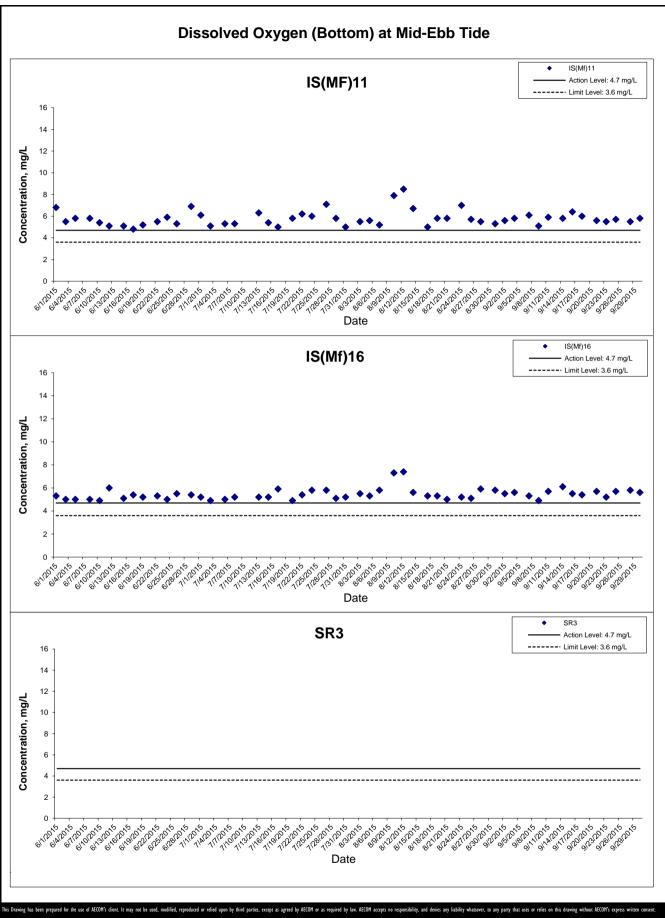
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Monitoring Results



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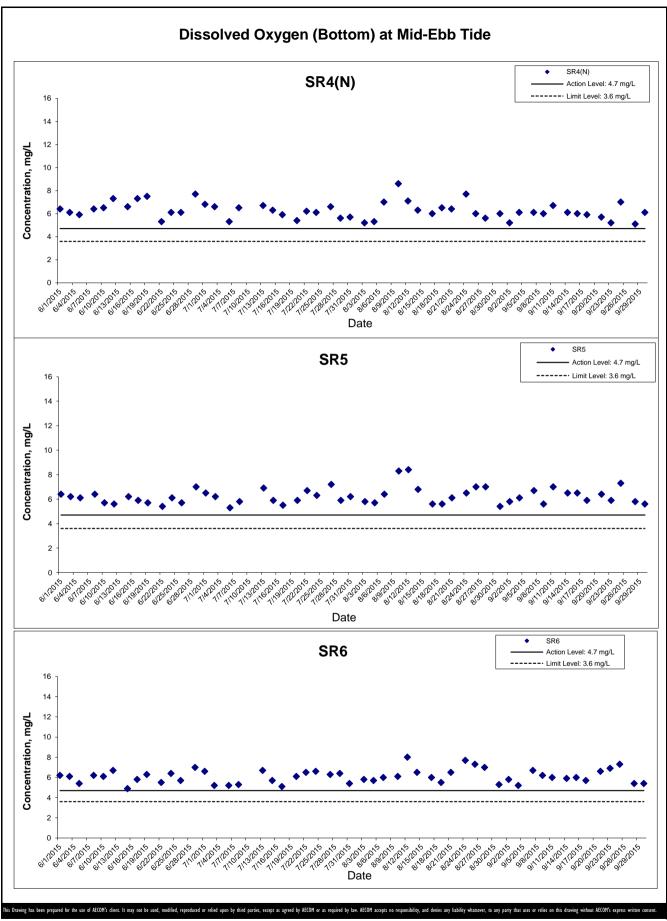
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HONG KONG - ZHUHAI - MACAO BRIDGE
HONG KONG BOUNDARY CROSSING FACILITIES
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Monitoring Results

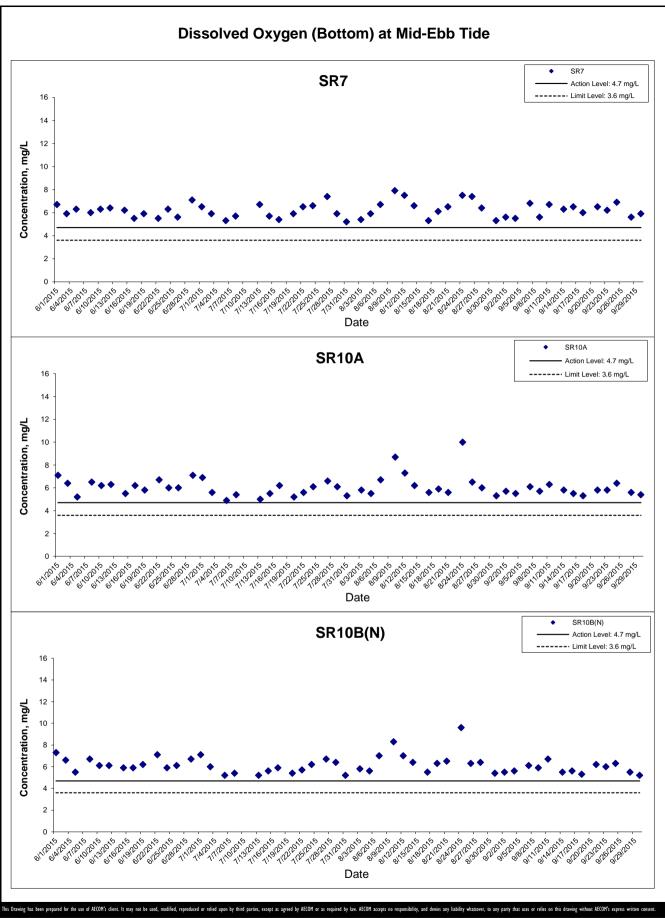


Graphical Presentation of Impact Water Quality

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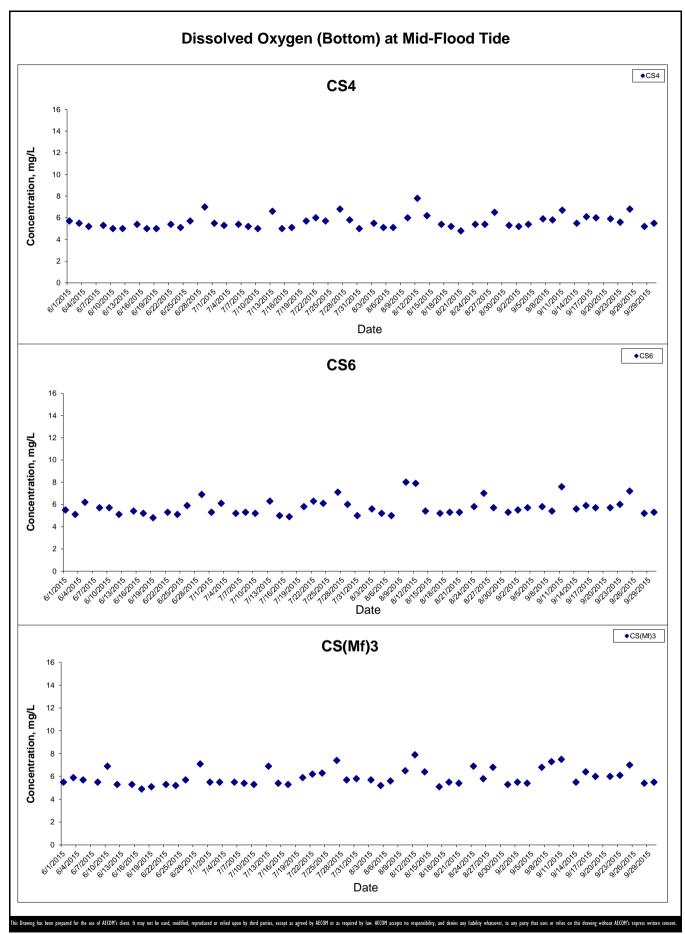
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HONG KONG BOUNDARY CROSSING FACILITIES
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Monitoring Results

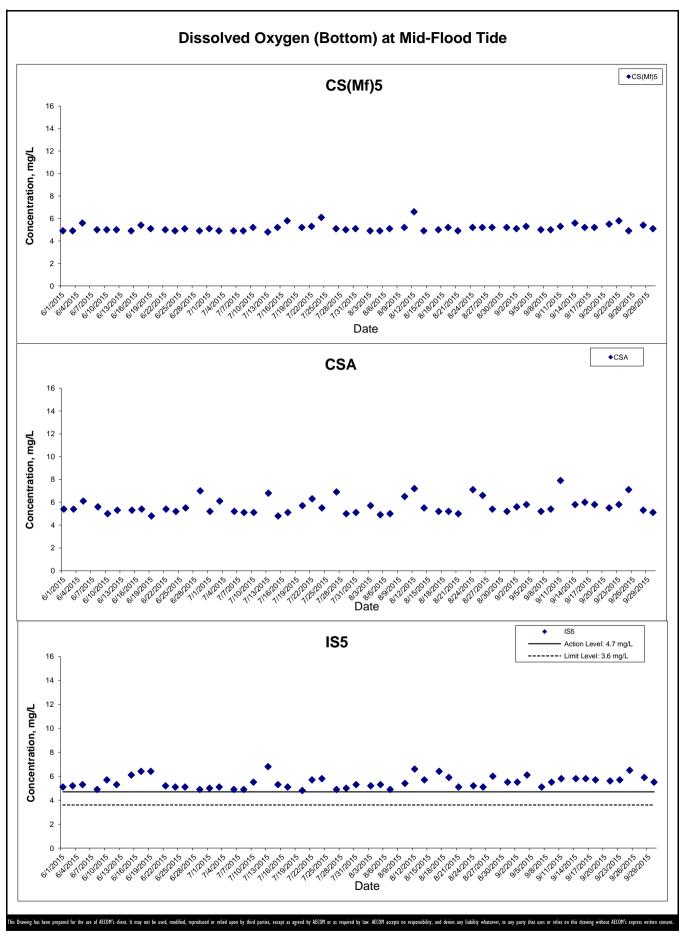


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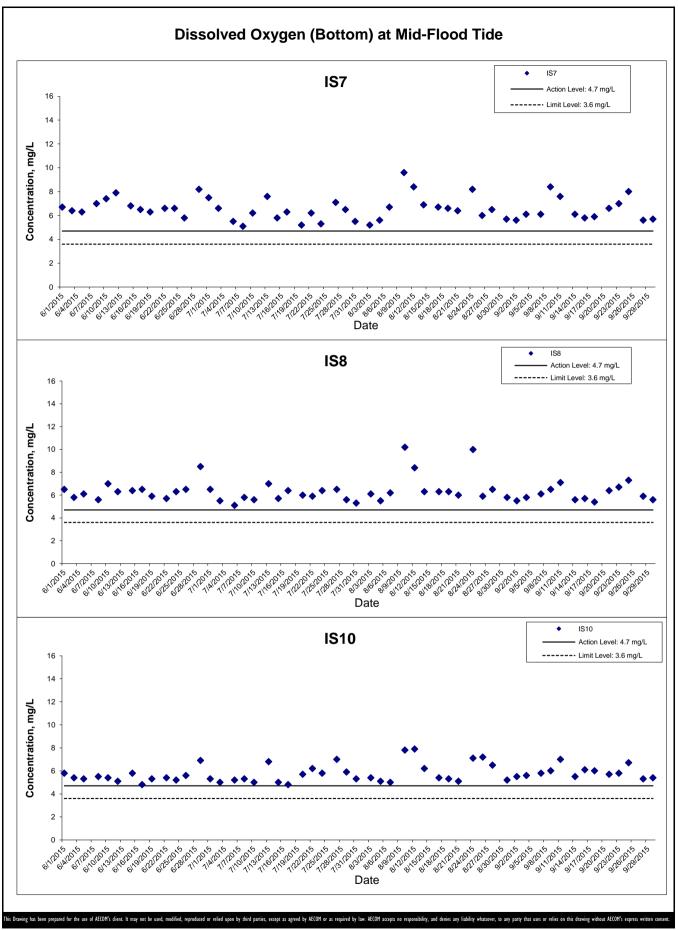
Monitoring Results

Project No.: 60249820 Date: October 2015



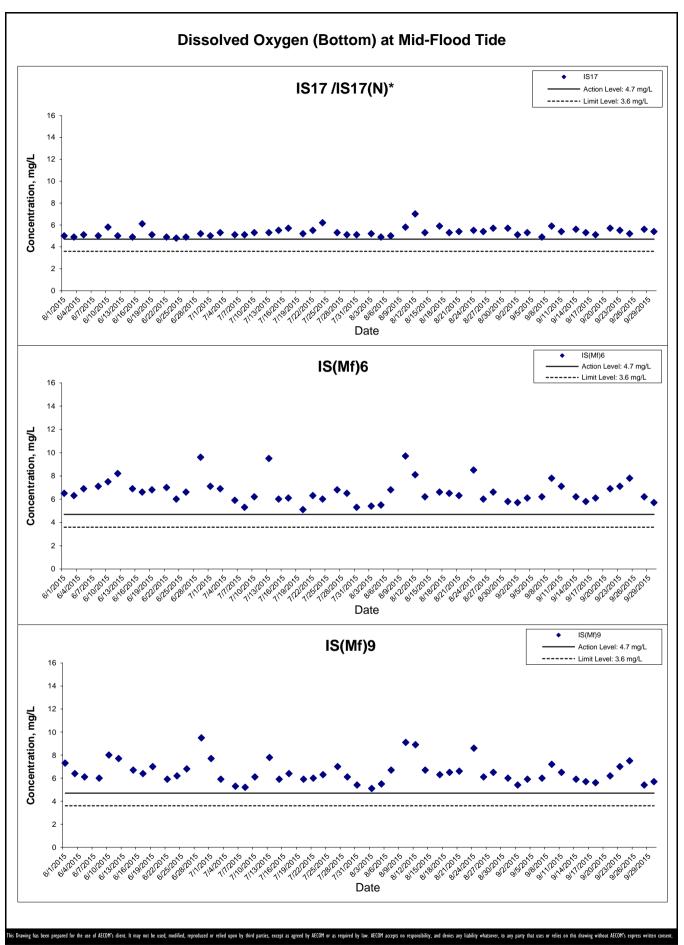
HONG KONG - ZHUHAI - MACAO BRIDGE
HONG KONG BOUNDARY CROSSING FACILITIES
- RECLAMATION WORKS
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Graphical Presentation of Impact Water Quality
Monitoring Results



HONG KONG - ZHUHAI - MACAO BRIDGE HONG KONG BOUNDARY CROSSING FACILITIES - RECLAMATION WORKS

Graphical Presentation of Impact Water Quality
Monitoring Results

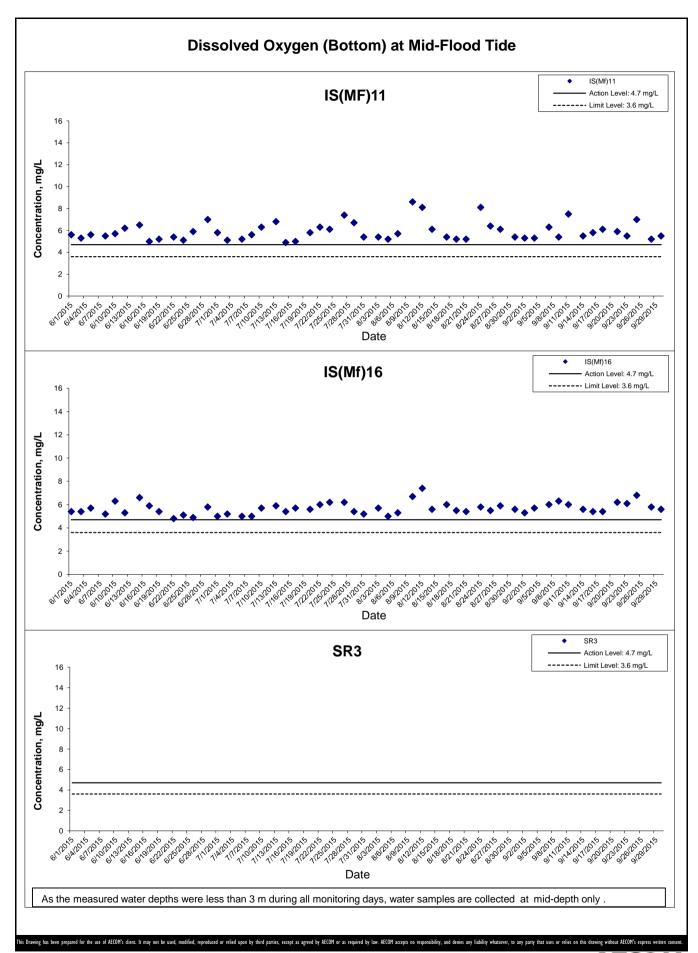


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Graphical Presentation of Impact Water Quality

Monitoring Results

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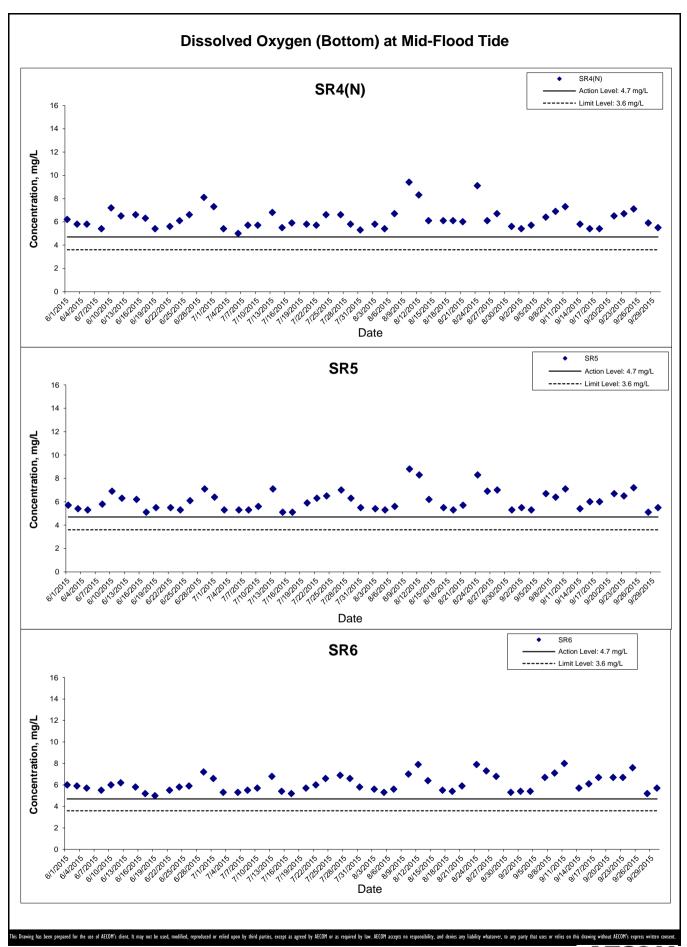
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Monitoring Results

Date: October 2015

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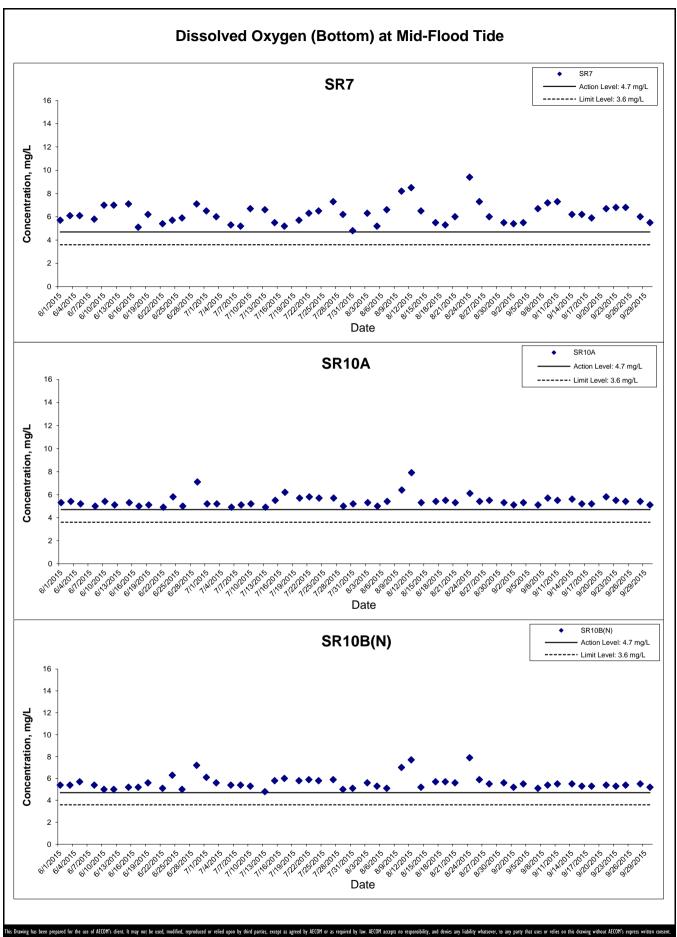


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Graphical Presentation of Impact Water Quality

Monitoring Results

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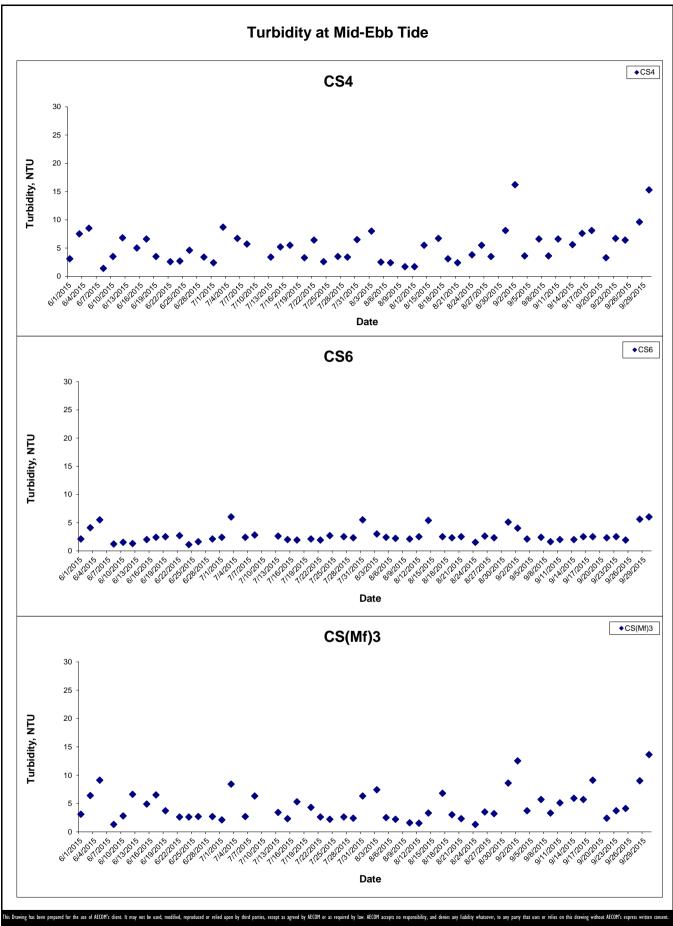
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Monitoring Results

Date: October 2015

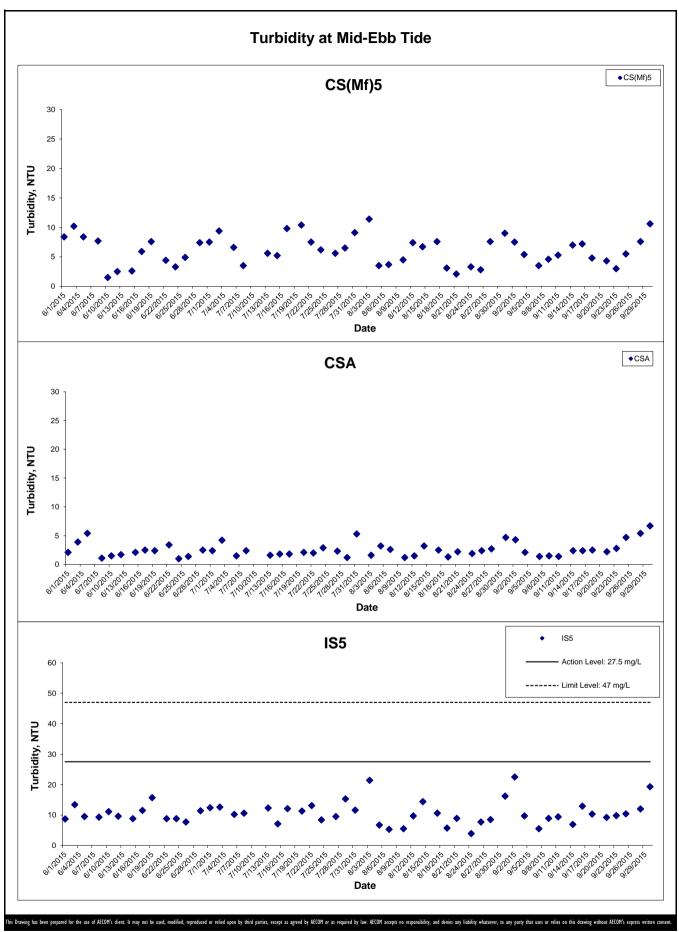
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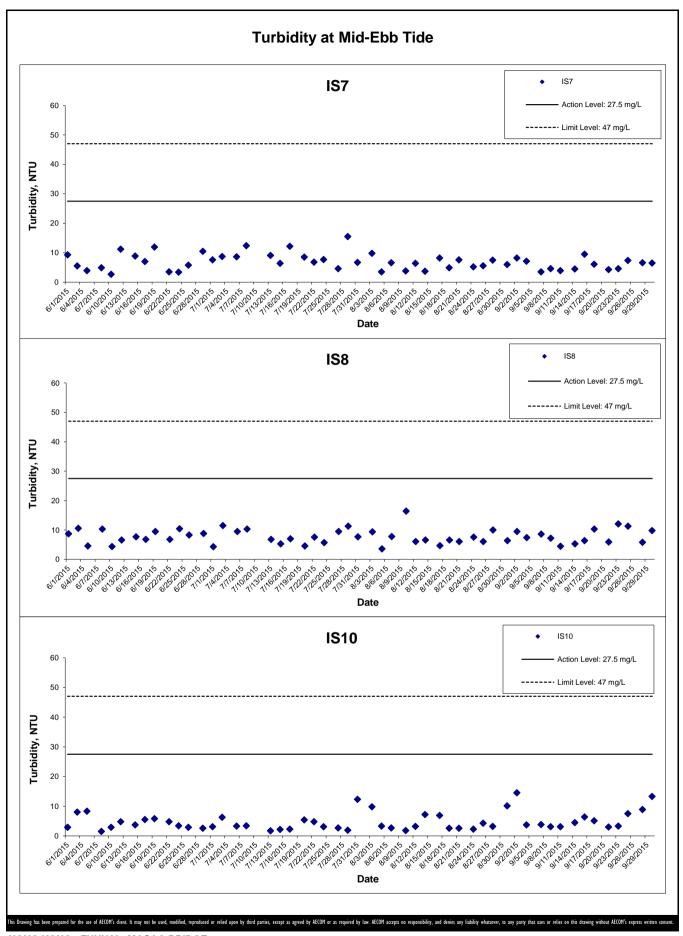


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Graphical Presentation of Impact Water Quality

Monitoring Results

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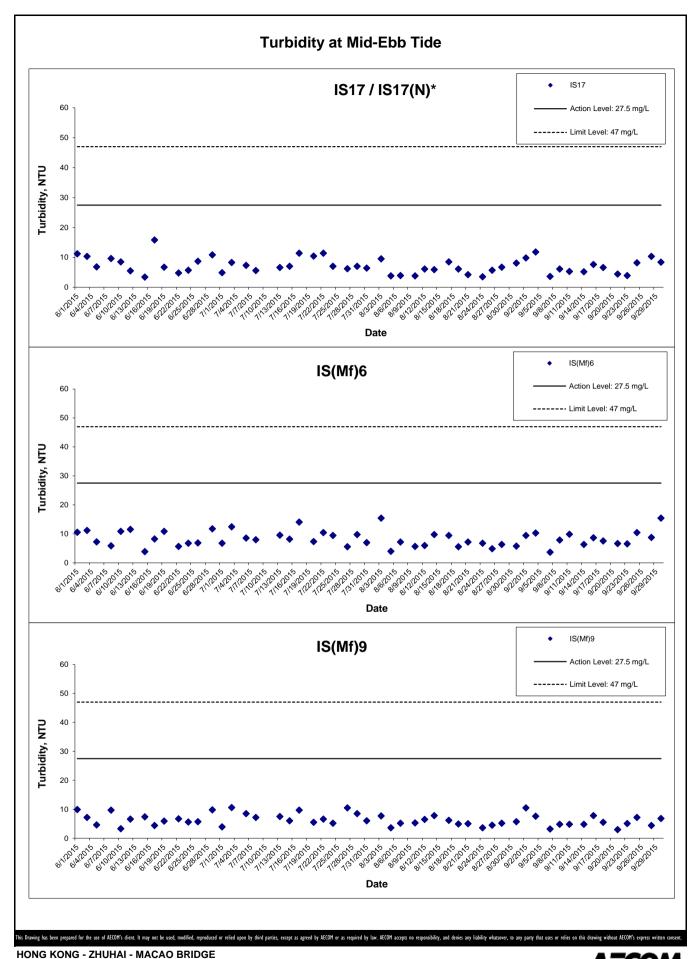
Project No.: 60249820

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- RECLAMATION WORKS Graphical Presentation of Impact Water Quality

Monitoring Results

Date: October 2015

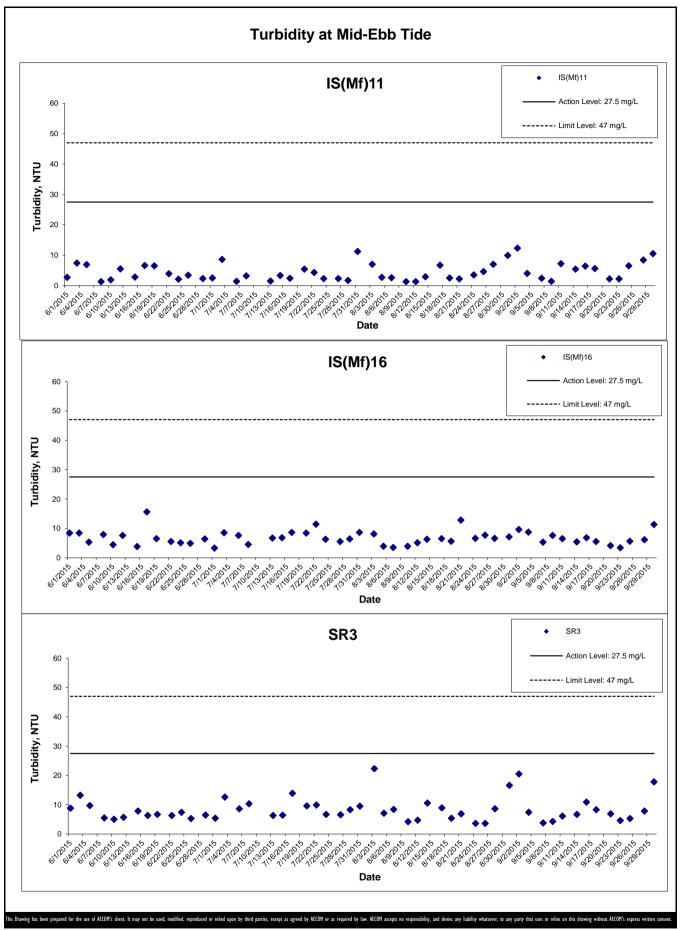


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Graphical Presentation of Impact Water Quality

Monitoring Results

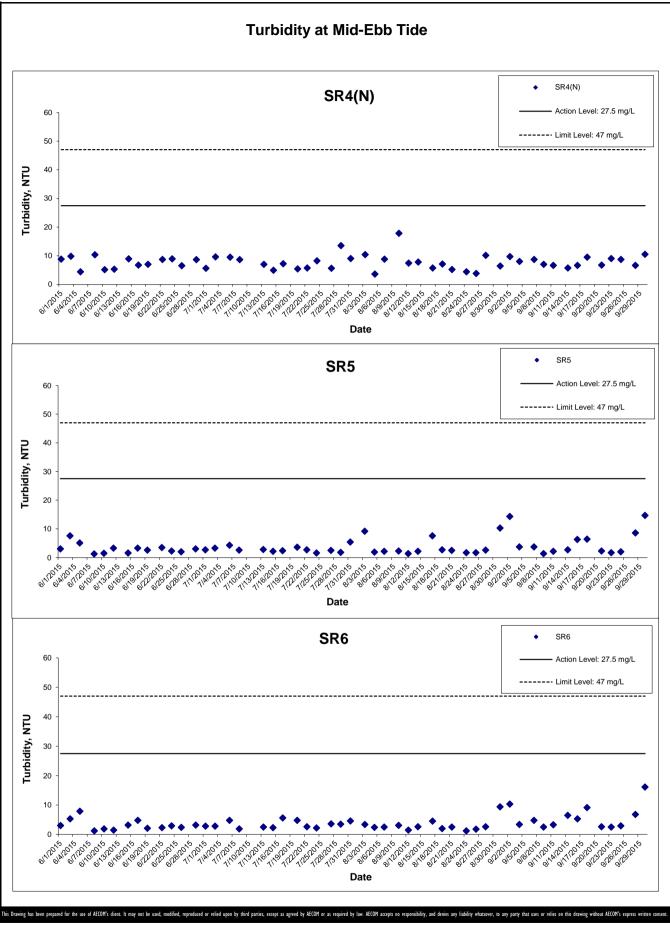


HONG KONG - ZHUHAI - MACAO BRIDGE HONG KONG BOUNDARY CROSSING FACILITIES - RECLAMATION WORKS

Graphical Presentation of Impact Water Quality
Monitoring Results

Project No.: 60249820 Date: October 2015 Appendix J

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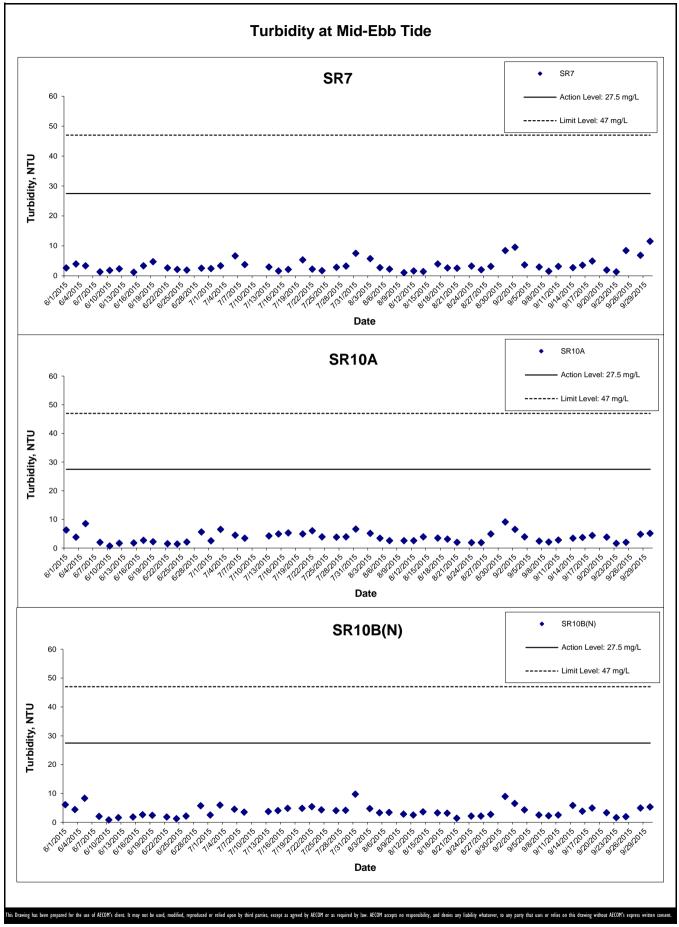


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Graphical Presentation of Impact Water Quality

Monitoring Results

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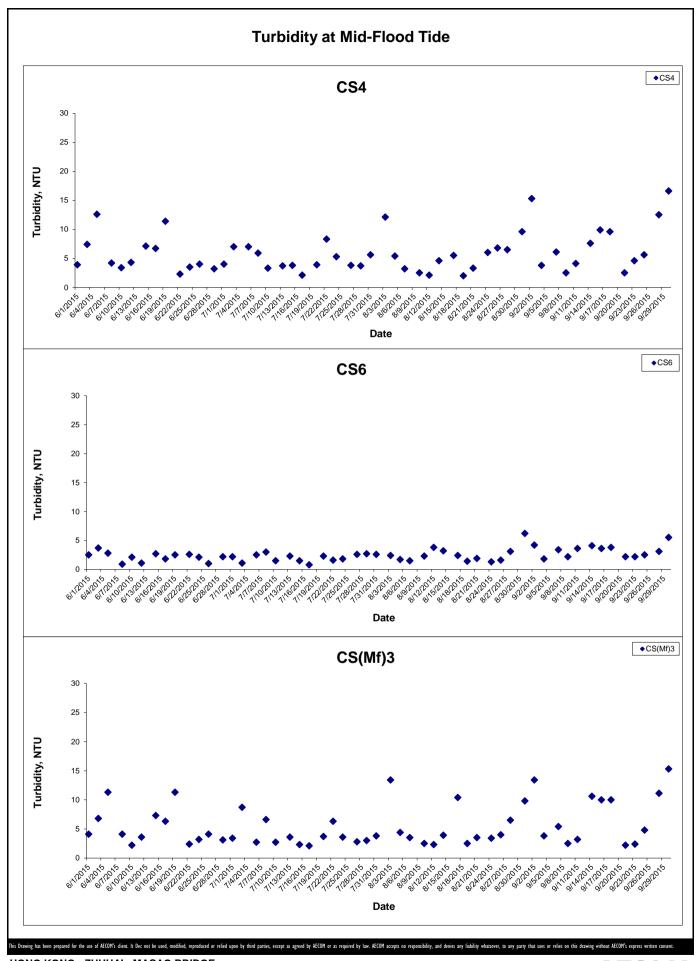


HONG KONG - ZHUHAI - MACAO BRIDGE
HONG KONG BOUNDARY CROSSING FACILITIES
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Graphical Presentation of Impact Water Quality

Appendix J

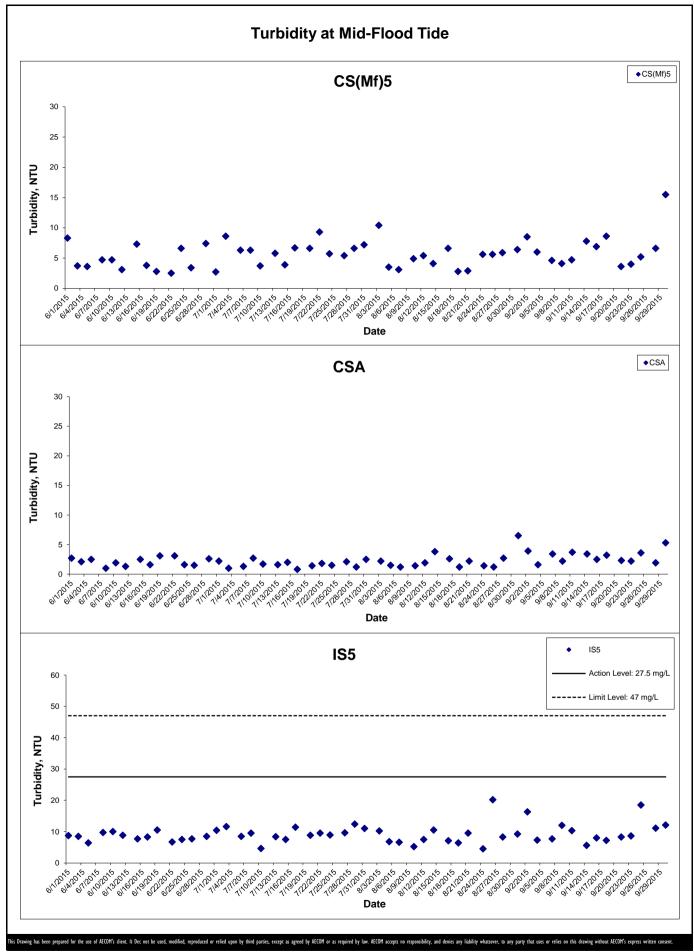
Monitoring Results
Project No.: 60249820 Date: October 2015



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Graphical Presentation of Impact Water Quality

Monitoring Results
Project No.: 60249820 Date: October 2015 Appendix J



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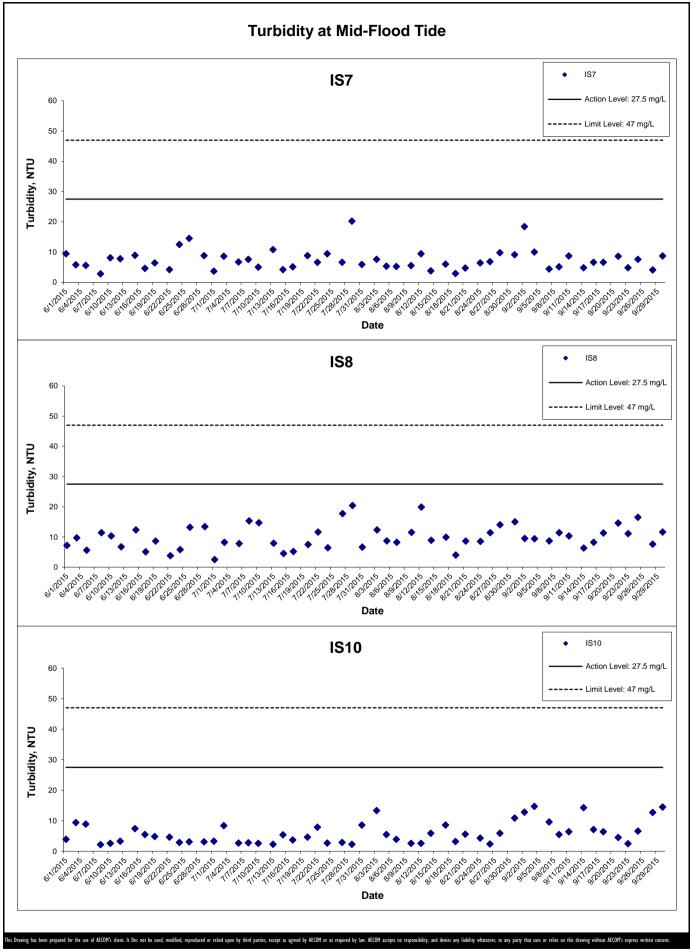
Graphical Presentation of Impact Water Quality

Monitoring Results

Monitoring Results
Project No.: 60249820 Date: October 2015



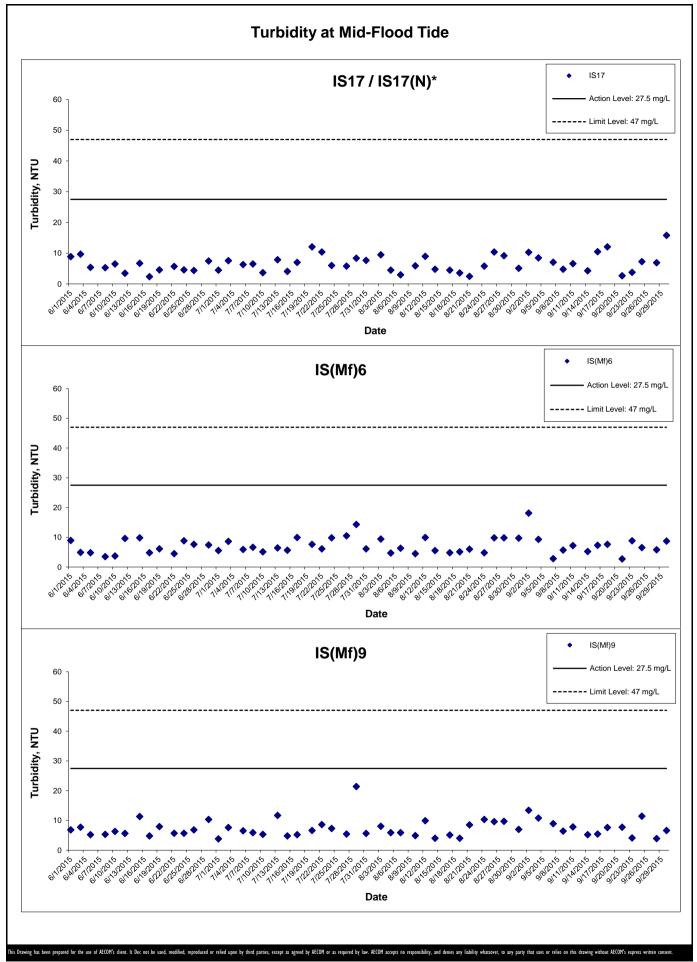
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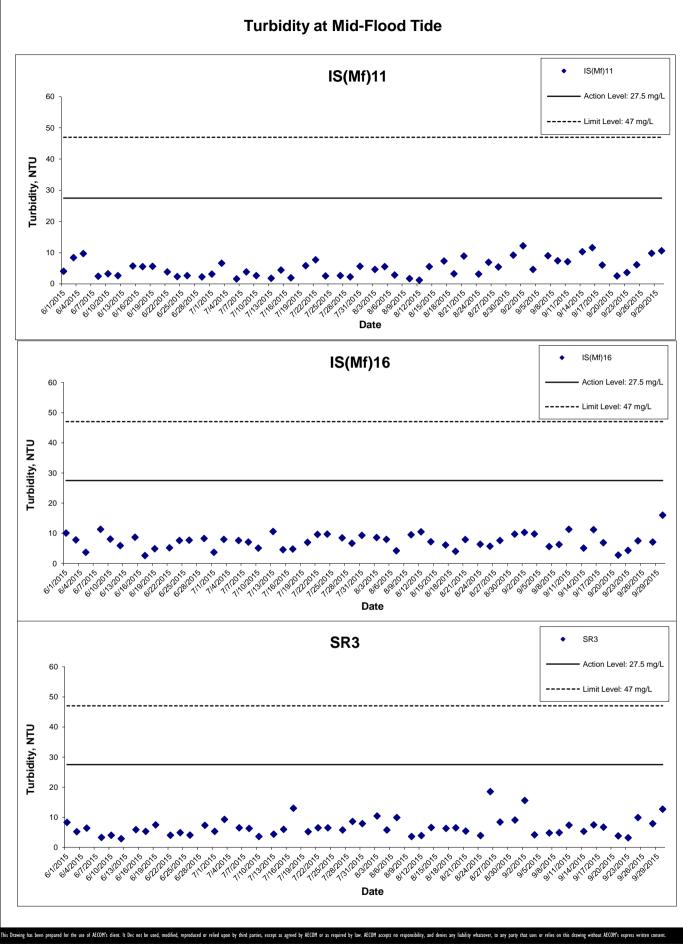
Graphical Presentation of Impact Water Quality
Monitoring Results



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Monitoring Results

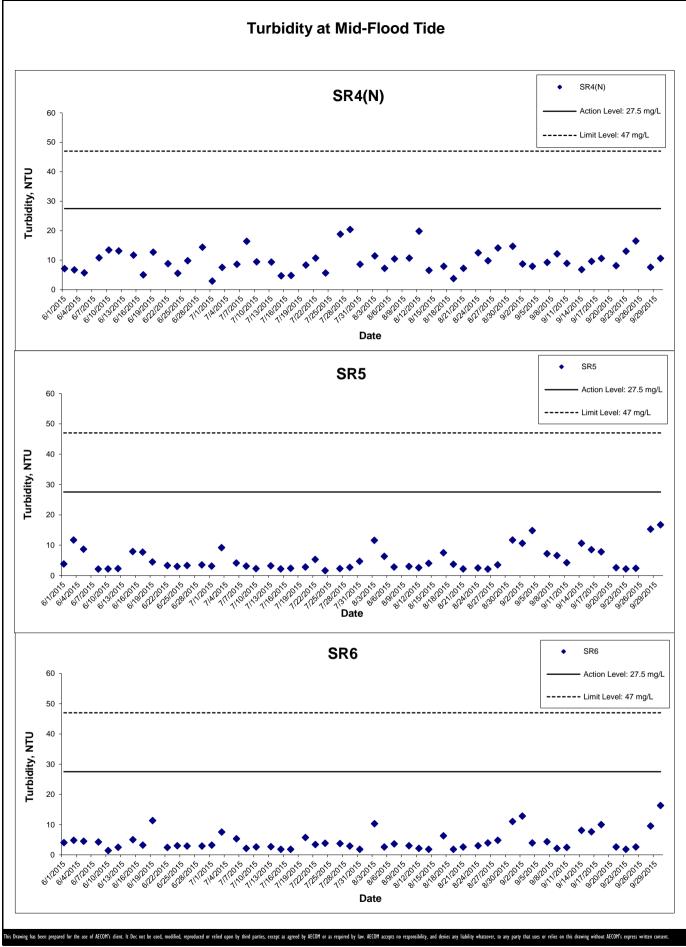


Project No.: 60249820

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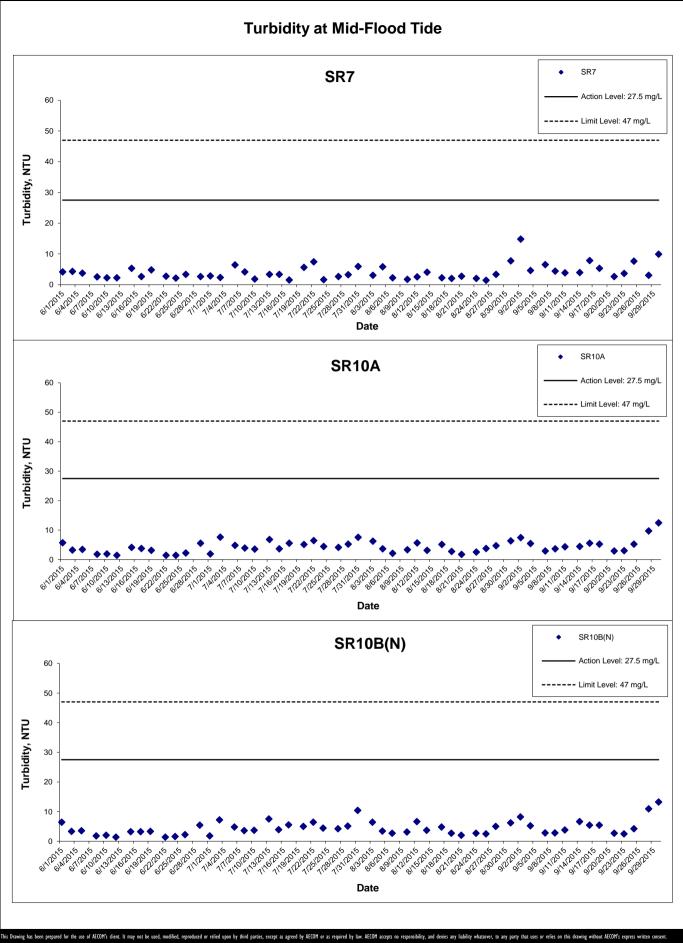
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Graphical Presentation of Impact Water Quality

Monitoring Results

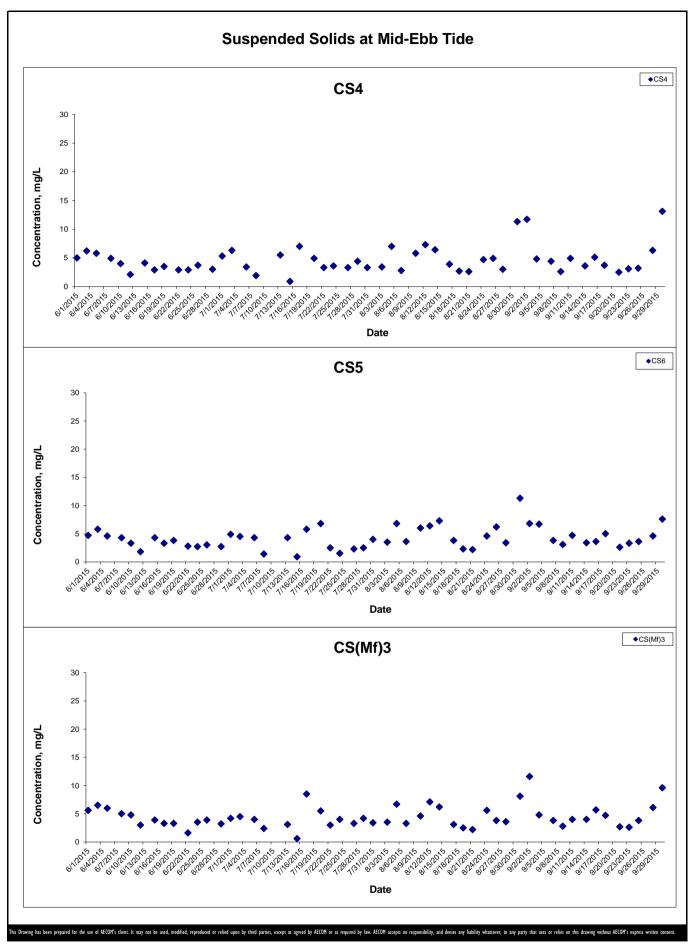
Monitoring Results
Project No.: 60249820 Date: October 2015 Appendix J



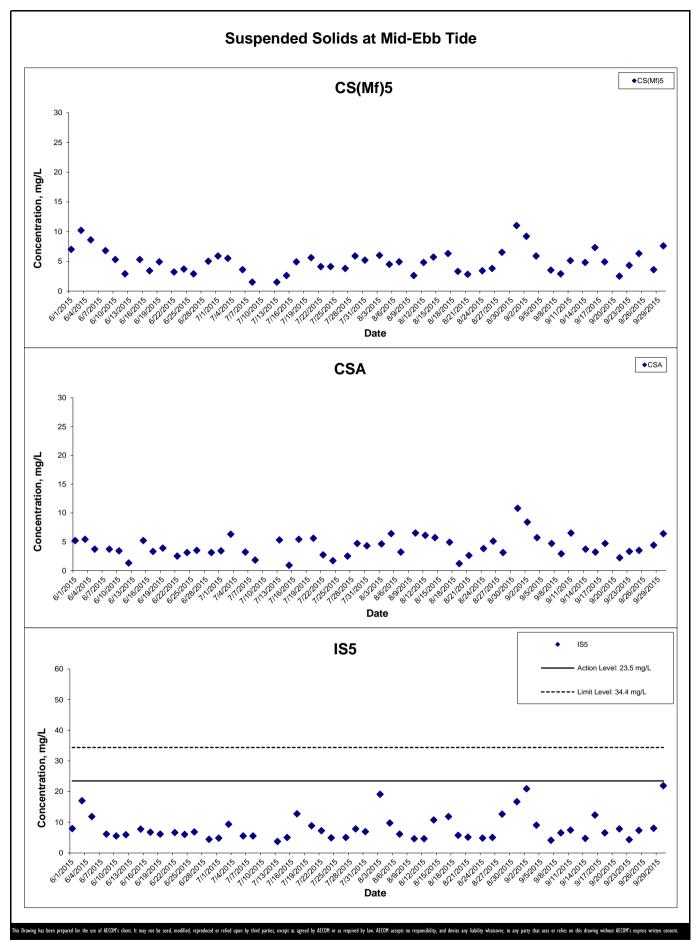


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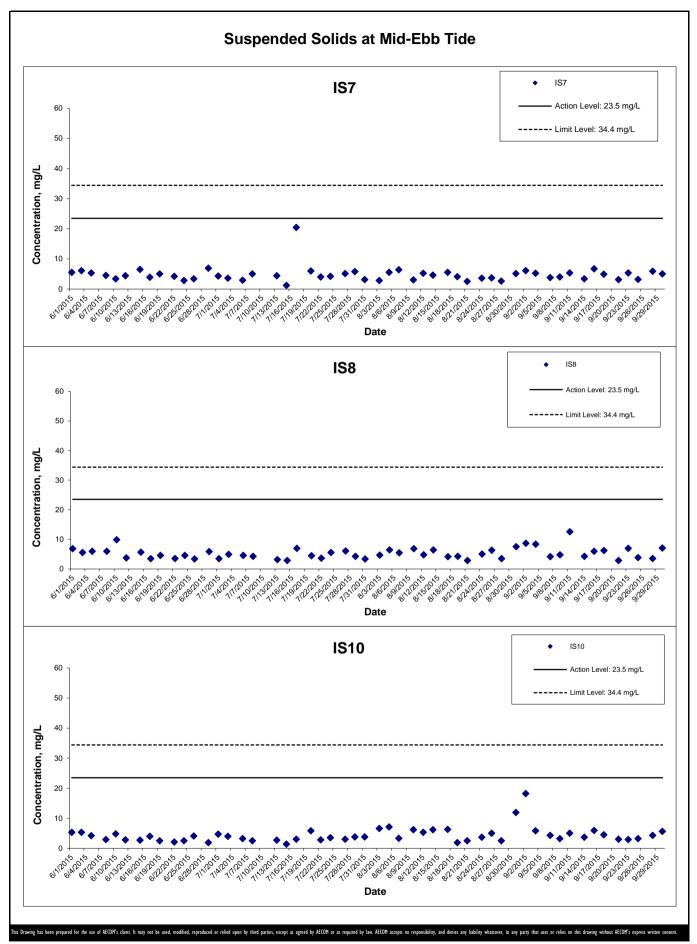
Graphical Presentation of Impact Water Quality
Monitoring Results



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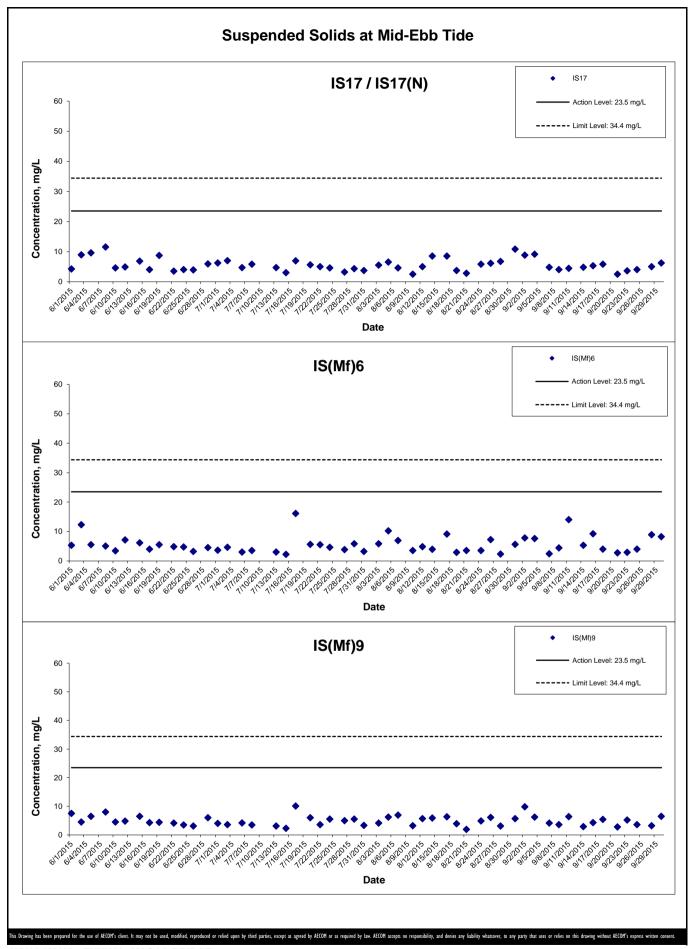
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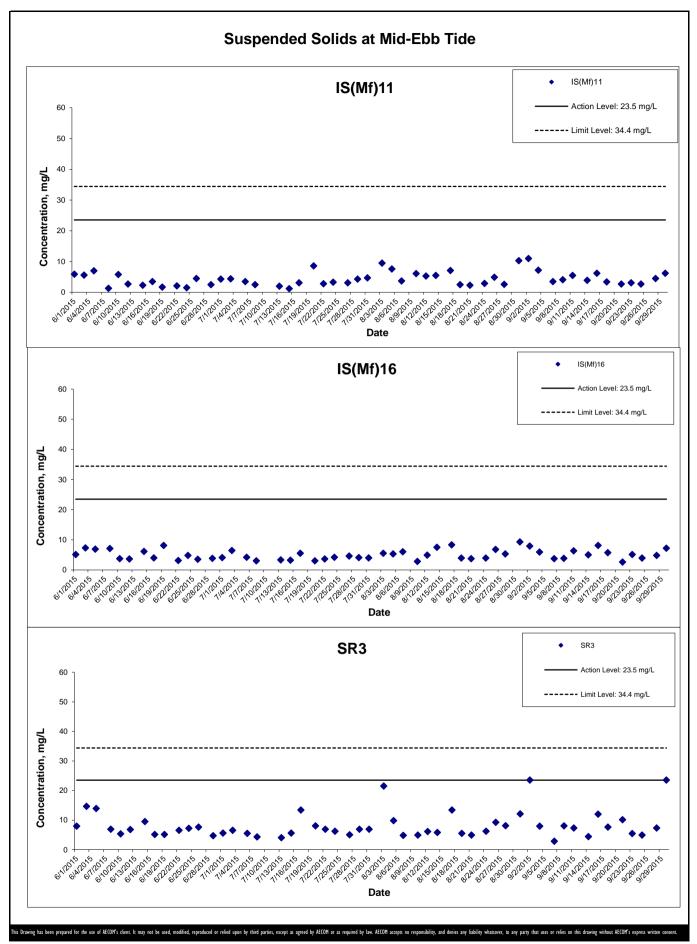
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Monitoring Results



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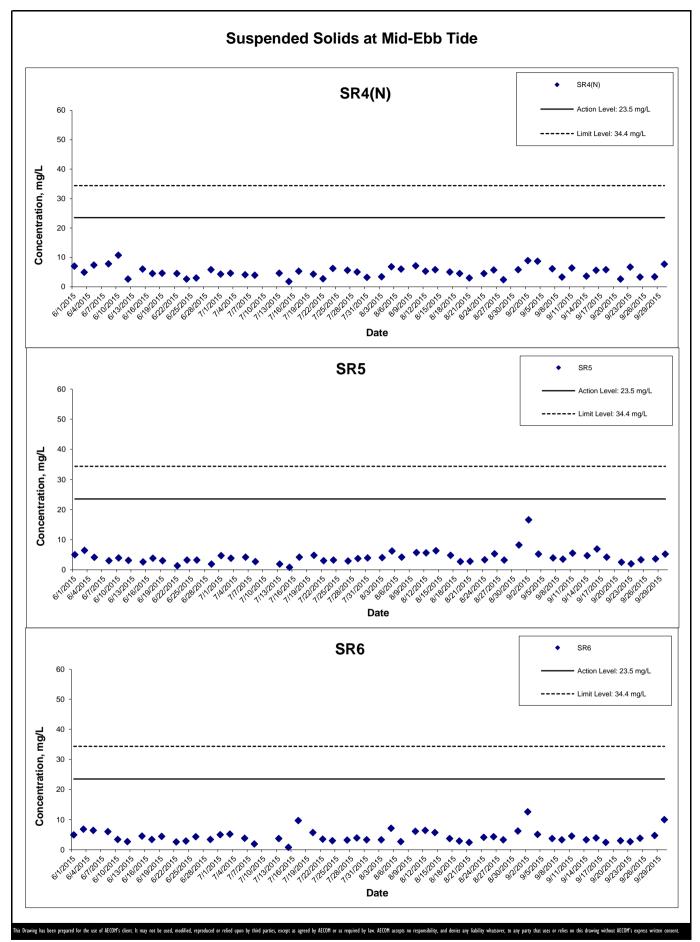
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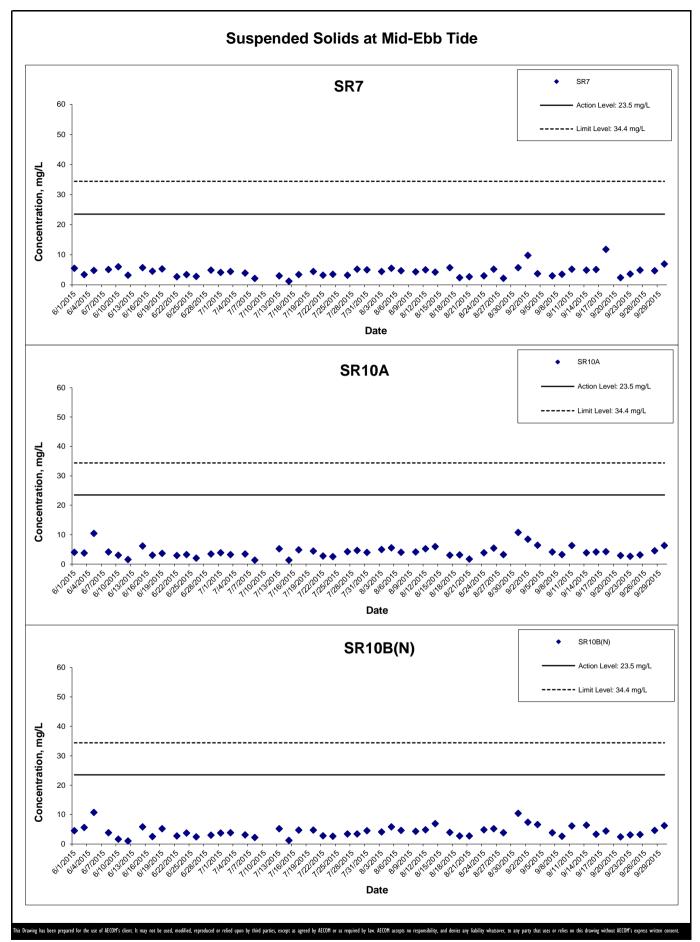
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Monitoring Results



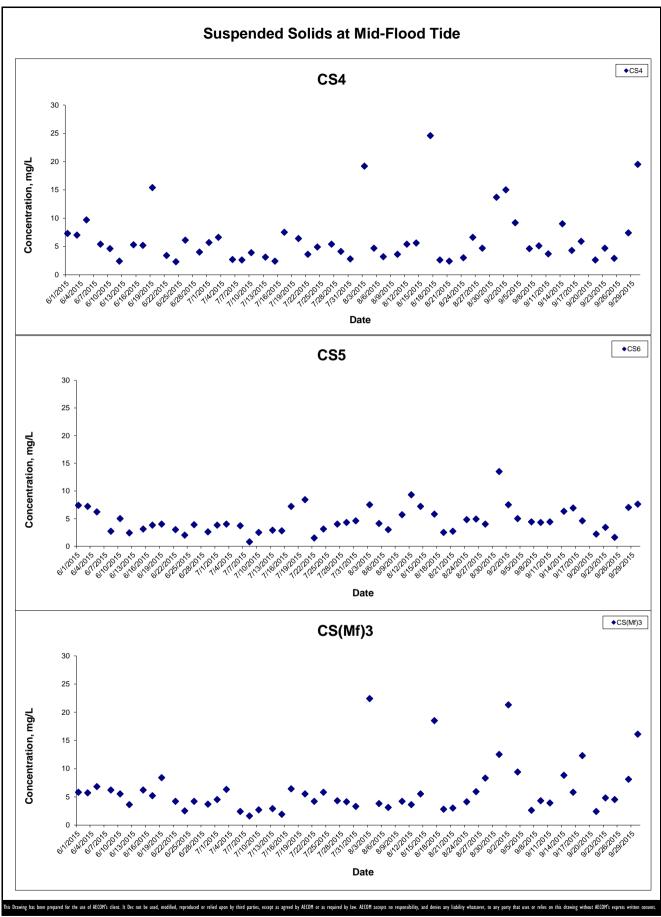
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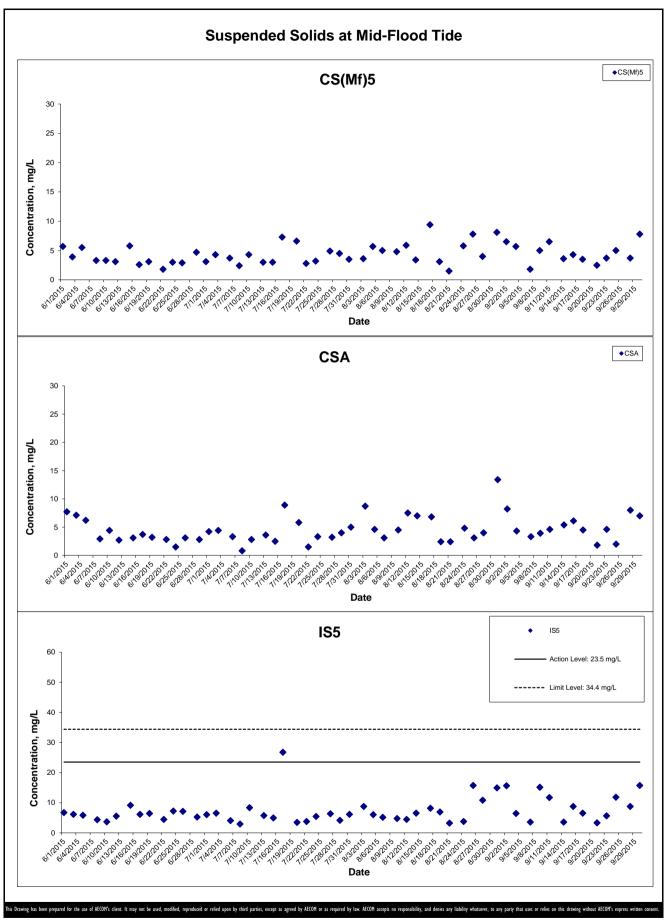
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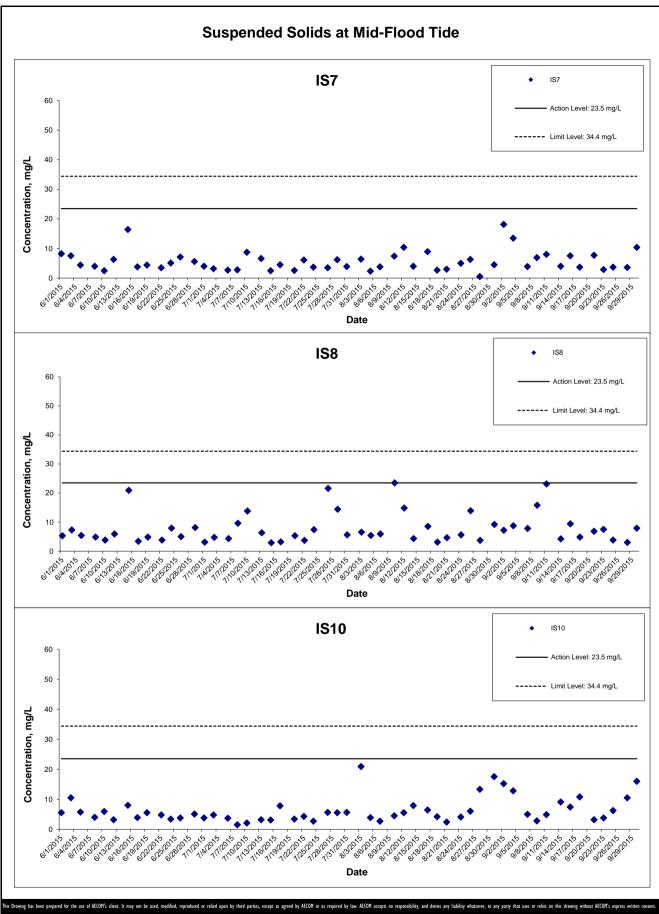
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Graphical Presentation of Impact Water Quality
Monitoring Results



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Monitoring Results

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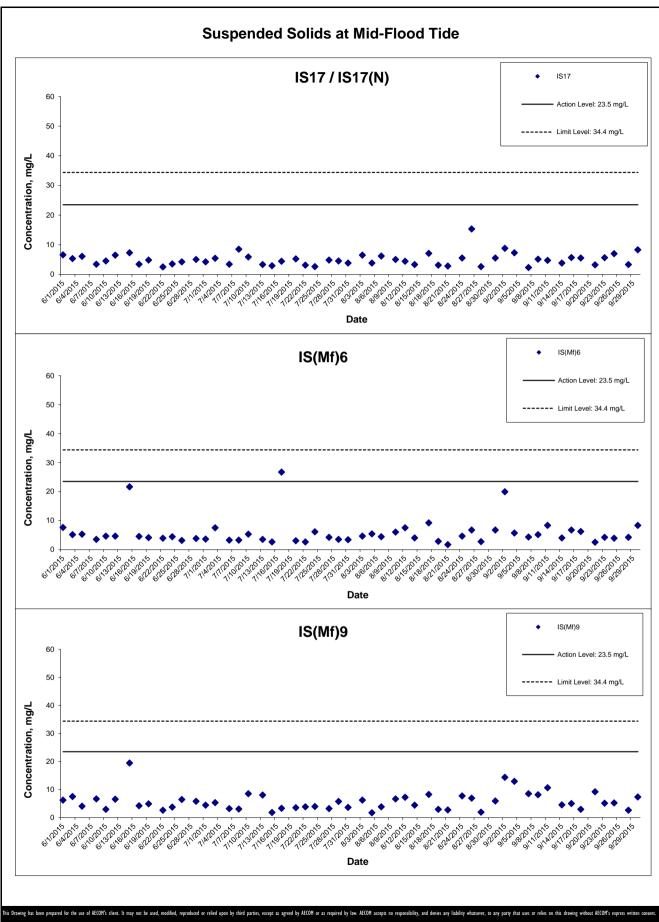
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- RECLAMATION WORKS
Project No.: 60249820

Monitoring Results

Date: October 2015

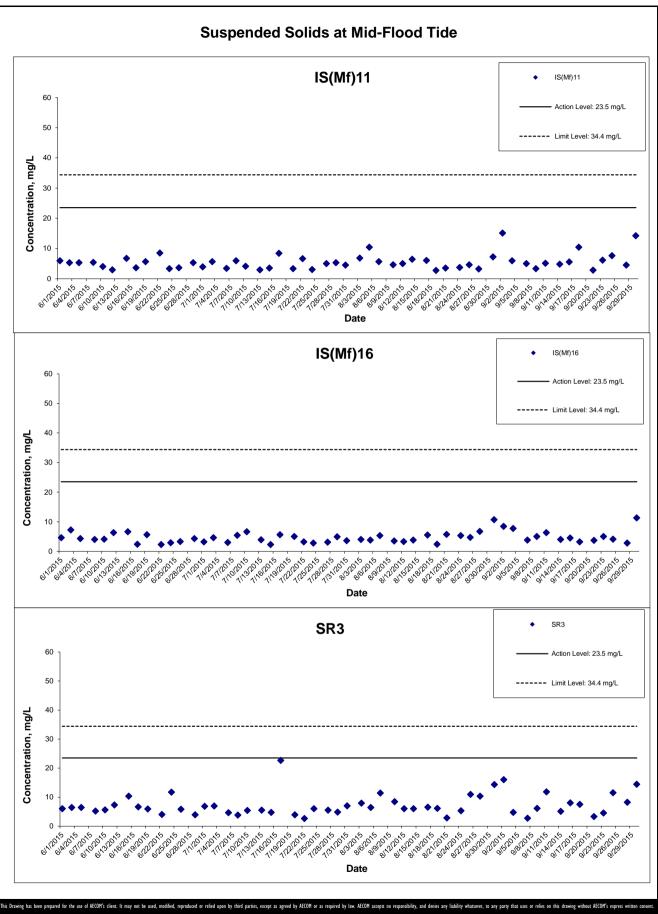
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Graphical Presentation of Impact Water Quality
Monitoring Results

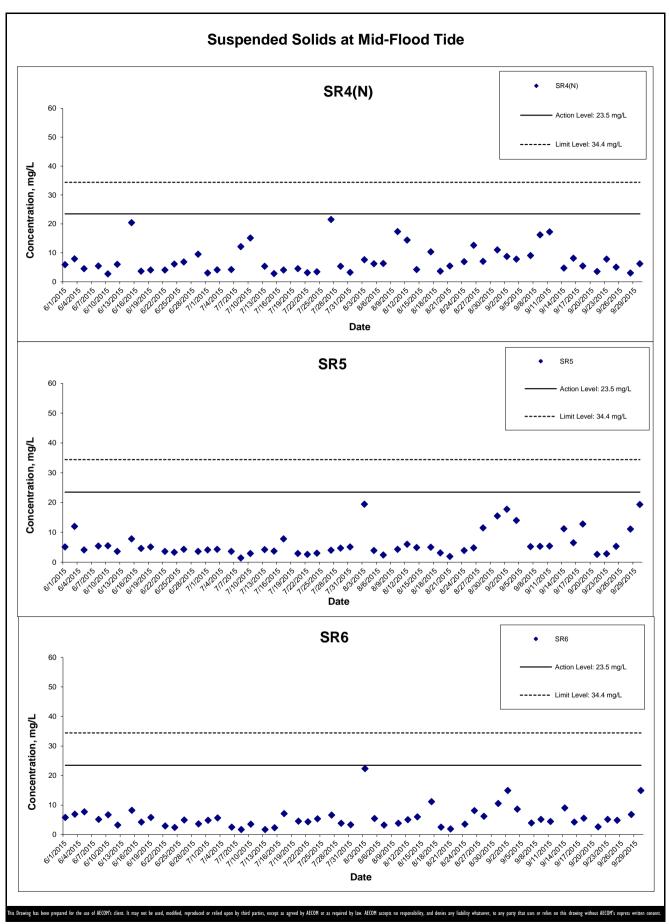
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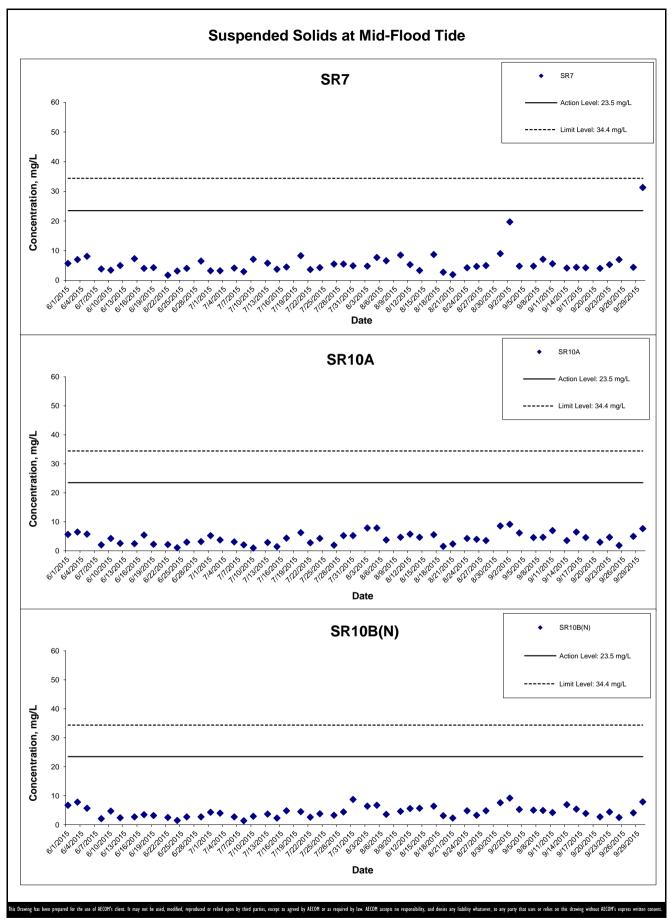
Graphical Presentation of Impact Water Quality
Monitoring Results



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Graphical Presentation of Impact Water Quality

Monitoring Results



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Graphical Presentation of Impact Water Quality
Monitoring Results

Appendix K Impact Dolphin Monitoring Survey Sighting Summary

Table 1 Impact Dolphin Monitoring Survey Sighting Table

Project	Contract	Date	Sighting No.	Time	Group Size	Area	Beaufort	PSD	Effort	Туре	Northing	Easting	Season	Boat Association
HKBCF	HY/2010/02	07-Sep-15	1142	13:04:11	1	NWL	1	257	On	Impact	824850.9	806452.7	Autumn	No
HKBCF	HY/2010/02	07-Sep-15	1143	13:20:30	4	NWL	1	77	On	Impact	825329.3	806443.3	Autumn	No

KEY:

Sighting Opp Opportunistic

On On effort

PSD Perpendicular Sighting Distance NEL North East Lantau Group Size Represents best estimate for group encountered NWL North West Lantau

PS = Purse Seine trawler (active)

HT = Hang Trawler (not active but sorting fish and cleaning nets)

Annex I

AUGUST 2015 Photo Identification Information

Identification Number	Baseline Identification Number	Date (YYYY-MM- DD)	Sighting Number	Area Sighted
HZMB 129		2015/08/25	1138	NWL
HZMB 128		2015/01/03	1056	NWL
HZMB 127		2015/01/03	1056	NWL
LIZMD 406		2015/02/23	1068	NWL
HZMB 126		2015/01/03	1054	NWL
HZMB 125		2014/10/13	1019	NWL
HZMB 124		2014/09/22	1005	NWL
HZMB 123		2014/08/25	998	NWL
HZMB 122		2014/08/04	989	NWL
HZMB 121		2014/07/14	968	NWL
HZMB 120		2014/05/31	951	NWL
HZMB 119		2014/04/19	940	NWL
HZMB 118		2014/01/06	890	NWL
		2014/06/17	964	NWL
HZMB 117		2014/01/06	888	NWL
HZMB 116		2014/08/25	999	NWL
		2014/07/14	972	NWL
117MD 445		2014/07/14	971	NWL
HZMB 115		2013/12/26	879	NWL
		2013/12/26	879	NWL
HZMB 114		2013/10/24	827	NWL
HZMB 113		2013/10/24	827	NWL
HZMB 112		2013/10/15	815	NWL
HZMB 111		2013/10/15	815	NWL
HZMB 110		2013/10/15	812	NWL
117MD 400		2015/06/11	1118	NWL
HZMB 108		2013/08/30	780	NEL
		2015/07/28	1126	NWL
117140 407		2014/10/13	1019	NWL
HZMB 107		2014/05/31	951	NWL
		2013/08/21	770	NWL
HZMB 106		2013/08/21	769	NWL
117MD 405		2014/05/31	951	NWL
HZMB 105		2013/07/08	711	NWL
HZMB 104		2013/07/08	711	NWL
HZMB 103		2013/07/08	711	NWL
HZMB 102		2013/07/08	706	NWL
HZMB 101		2013/07/08	706	NWL
HZMB 100		2013/07/08	706	NWL

LIZMD 000		2013/06/13	681	NWL
HZMB 099		2013/06/13	680	NWL
		2015/02/23	1077	NWL
		2014/12/18	1044	NWL
		2014/08/04	992	NWL
		2014/01/06	888	NWL
HZMB 098	NL104	2013/11/02	849	NWL
		2013/11/02	845	NWL
		2013/10/24	831	NWL
		2013/07/08	711	NWL
		2013/05/24	659	NWL
HZMB 097		2013/05/09	647	NWL
HZMB 096		2013/04/01	621	NWL
		2013/08/30	780	NEL
LIZMD OOF		2013/06/25	697	NWL
HZMB 095		2013/06/13	682	NWL
		2013/04/01	621	NWL
		2014/10/13	1019	NWL
		2014/05/31	954	NWL
117NAD 004		2014/02/17	910	NWL
HZMB 094		2013/06/26	703	NWL
		2013/06/25	698	NWL
		2013/03/18	601	NWL
LIZMD 000		2013/05/24	657	NWL
HZMB 093		2013/02/21	587	NWL
		2015/04/20	1097	NWL
HZMB 092		2013/02/21	589	NWL
		2013/02/15	581	NWL
HZMB 091		2013/02/15	579	NWL
		2013/06/25	697	NWL
HZMB 090		2013/06/13	682	NWL
		2013/02/15	579	NWL
HZMB 089		2013/02/15	579	NWL
HZMB 088		2013/02/15	579	NWL
HZMB 087		2013/02/15	579	NWL
		2015/03/19	1086	NWL
LIZMD 006	NII OAO	2013/05/09	642	NWL
HZMB 086	NL242	2013/02/15	579	NWL
		2011/10/10	Baseline	NWL
LIZMD OOF		2014/10/13	1019	NWL
HZMB 085		2014/05/31	954	NWL

Identification Number	Baseline Identification Number	Date (YYYY-MM- DD)	Sighting Number	Area Sighted
		2013/06/26	703	NWL
HZMB 084		2013/02/15	579	NWL
		2013/02/14	575	NWL
		2015/05/11	1104	NWL
		2013/12/19	863	NWL
		2013/03/28	607	NWL
HZMB 083	NL136	2013/02/15	579	NWL
		2013/01/28	568	NWL
		2013/01/28	564	NWL
		2012/04/19	267	NWL
		2014/10/20	1024	NWL
117MD 000		2013/02/21	587	NWL
HZMB 082		2013/02/15	579	NWL
		2013/01/28	563	NWL
LIZMD 004		2013/01/28	559	NWL
HZMB 081		2013/01/28	557	NWL
HZMB 080		2013/01/28	556	NWL
HZMB 079		2013/01/28	556	NWL
LIZMD 070		2013/02/15	579	NWL
HZMB 078		2013/01/08	552	NWL
		2013/12/26	878	NWL
HZMB 077		2013/07/08	706	NWL
		2012/12/11	541	NWL
LIZMD 070		2013/07/08	706	NWL
HZMB 076		2012/12/11	541	NWL
HZMB 075		2012/12/06	525	NEL
		2013/05/09	647	NWL
		2013/04/01	623	NWL
LIZMD 074		2013/04/01	621	NWL
HZMB 074		2013/02/21	594	NEL
		2012/12/10	529	NEL
		2012/12/06	525	NEL
		2013/05/09	647	NWL
		2013/04/01	623	NWL
LIZMD 072		2013/04/01	621	NWL
HZMB 073		2013/02/21	594	NEL
		2012/12/10	529	NEL
		2012/12/06	525	NEL
HZMB 072		2012/10/24	476	NWL

HZMB 071		2012/10/24	475	NWL
TIZIVID 07 I		2012/10/12	466	NWL
HZMB 070		2012/10/24	476	NWL
		2015/06/04	1116	NWL
HZMD 060		2013/08/21	774	NWL
HZMB 069		2013/07/08	711	NWL
		2012/10/24	476	NWL
		2014/10/20	1025	NWL
HZMB 068		2013/11/01	839	NWL
		2012/10/24	476	NWL
HZMB 067		2012/10/24	475	NWL
		2013/01/28	559	NWL
LIZMD OCC	NII OO	2012/12/11	537	NWL
HZMB 066	NL93	2012/10/24	475	NWL
		2012/10/12	466	NWL
		2015/03/19	1086	NWL
		2014/06/17	964	NWL
HZMD 064		2013/05/09	647	NWL
HZMB 064		2013/01/28	561	NWL
		2012/10/24	475	NWL
		2012/10/12	466	NWL
LIZMD 000		2013/05/09	647	NWL
HZMB 063		2012/10/12	466	NWL
LIZMD 060		2012/12/06	525	NEL
HZMB 062		2012/10/11	457	NWL
HZMB 060		2012/09/18	447	NWL
LIZMD 050		2013/02/21	591	NWL
HZMB 059		2012/09/18	445	NWL
HZMB 057		2012/09/18	440	NWL
LIZMD OFC		2012/09/18	442	NWL
HZMB 056		2012/09/05	433	NEL
HZMB 055		2012/09/04	425	NWL
	•	•		

Identification Number	Baseline Identification Number	Date (YYYY-MM- DD)	Sighting Number	Area Sighted
		2015/04/20	1097	NWL
		2015/01/15	1062	NWL
		2014/05/31	953	NWL
		2014/01/06	888	NWL
		2013/11/07	854	NWL
		2013/11/02	845	NWL
		2013/10/24	831	NWL
		2013/08/30	780	NEL
LIZMD OF A	CLIDA	2013/07/08	711	NWL
HZMB 054	CH34	2013/09/18	448	NWL
		2012/09/05	432	NEL
		2011/11/07	Baseline	NWL
		2011/11/05	Baseline	NWL
		2011/11/02	Baseline	NWL
		2011/11/01	Baseline	NEL
		2011/11/01	Baseline	NEL
		2011/10/28	Baseline	NWL
		2011/10/06	Baseline	NWL
HZMB 053		2012/09/04	425	NWL
HZMB 052		2012/09/04	423	NWL
		2015/05/11	1104	NWL
		2014/08/04	989	NWL
		2013/05/09	644	NWL
		2013/04/01	622	NWL
HZMB 051	NL213	2013/02/15	582	NWL
		2013/02/15	581	NWL
		2013/01/28	559	NWL
		2013/01/28	556	NWL
		2012/09/04	422	NWL
		2014/07/14	971	NWL
		2014/01/10	900	NWL
HZMB 050		2014/01/06	888	NWL
		2013/02/15	579	NWL
		2012/09/04	421	NWL
117MD 040		2014/07/29	982	NWL
HZMB 049		2012/09/03	419	NWL
HZMB 048		2012/09/03	419	NWL
		2015/04/28	1100	NWL
HZMB 047		2012/09/03	412	NWL

Identification Number	Baseline Identification Number	Date (YYYY-MM- DD)	Sighting Number	Area Sighted
HZMB 046		2012/09/03	412	NWL
HZMB 045		2014/02/17	910	NWL
		2013/06/13	682	NWL
		2013/02/15	579	NWL
		2012/11/01	495	NWL
		2014/10/13	1019	NWL
		2014/02/17	910	NWL
		2013/12/19	864	NWL
		2013/11/02	845	NWL
		2013/11/01	842	NWL
117MD 044	NII OO	2013/10/15	819	NWL
HZMB 044	NL98	2013/05/09	648	NWL
		2013/05/09	647	NWL
		2013/04/01	623	NWL
		2013/04/01	621	NWL
		2013/02/15	579	NWL
		2012/11/01	495	NWL
HZMB 043		2012/09/03	407	NWL
		2013/12/19	863	NWL
HZMB 042	NL260	2012/11/01	495	NWL
		2011/11/07	Baseline	NWL
		2014/06/05	960	NEL
		2014/02/17	910	NWL
		2013/11/02	845	NWL
		2013/05/09	648	NWL
		2013/05/09	647	NWL
		2013/04/01	623	NWL
HZMB 041	NL24	2013/04/01	621	NWL
		2013/02/15	579	NWL
		2012/11/01	495	NWL
		2011/11/06	Baseline	NEL
		2011/11/05	Baseline	NWL
		2011/11/05	Baseline	NWL
		2011/10/10	Baseline	NWL
		2014/02/17	910	NWL
		2014/01/06	893	NWL
HZMB 040		2013/10/15	821	NWL
		2013/07/08	714	NWL
		2013/07/08	711	NWL

	2013/02/21	589	NWL
	2012/11/01	493	NWL
HZMB 038	2012/11/01	490	NWL
HZMB 037	2012/11/01	490	NWL
	2012/09/03	407	NWL
HZMB 036	2012/11/01	490	NWL
H7MB 035	2013/02/15	579	NWL
HZMB 035	2012/11/01	490	NWL
HZMB 034	2012/11/01	493	NWL
	2014/11/17	1035	NWL
HZMB 028	2013/04/01	625	NWL
	2012/08/06	373	NWL
	2013/12/19	863	NWL
	2013/02/15	579	NWL
HZMB 027	2013/01/28	568	NWL
	2013/01/28	564	NWL
	2012/06/14	299	NWL
	2014/10/13	1018	NWL
	2013/06/25	697	NWL
HZMB 026	2013/05/09	642	NWL
	2013/01/28	561	NWL
	2012/06/13	295	NEL
	2013/02/22	596	NEL
	2013/02/21	591	NWL
HZMB 025	2012/12/06	525	NEL
	2012/10/11	457	NWL
	2012/06/13	295	NEL
HZMB 024	2013/03/18	601	NWL
TIZIVIB 024	2012/06/13	295	NEL
	2015/04/20	1097	NWL
	2014/12/18	1044	NWL
	2014/11/17	1035	NWL
	2014/01/06	888	NWL
HZMB 023	2013/07/08	715	NWL
I IZIVID UZU	2013/07/08	711	NWL
	2013/04/01	619	NWL
	2013/02/21	589	NWL
	2013/02/15	579	NWL
	2012/07/10	330	NWL
	2015/04/20	1097	NWL
HZMB 022	2014/12/18	1044	NWL
	2014/11/17	1035	NWL

		2014/08/04	991	NWL
		2014/01/06	888	NWL
		2013/10/24	827	NWL
		2013/07/08	715	NWL
		2013/07/08	711	NWL
		2013/04/01	619	NWL
		2013/02/21	589	NWL
		2013/02/15	579	NWL
		2012/07/10	330	NWL
LIZMD 004	NL37	2012/07/10	330	NWL
HZMB 021	INL37	2011/09/16	Baseline	NWL
HZMB 020		2012/07/10	330	NWL
HZMB 019		2012/07/10	330	NWL
		2014/02/17	910	NWL
		2013/05/09	647	NWL
HZMB 018		2013/02/21	594	NEL
		2012/12/10	529	NEL
		2012/07/10	330	NWL
HZMB 017		2012/07/10	330	NWL
		2013/07/08	706	NWL
		2012/12/11	539	NWL
HZMB 016		2012/09/18	446	NWL
		2012/09/04	421	NWL
		2012/07/10	330	NWL
HZMB 015		2012/07/10	330	NEL
		2015/08/25	1139	NWL
		2013/12/26	880	NWL
		2012/08/06	373	NWL
HZMB 014	NL176	2012/06/13	295	NEL
		2011/11/06	Baseline	NEL
		2011/11/01	Baseline	NEL
		2011/11/01	Baseline	NEL
HZMB 013		2012/05/28	281	NWL

Identification Number	Baseline Identification Number	Date (YYYY-MM- DD)	Sighting Number	Area Sighted
HZMB 012		2012/05/28	281	NWL
		2013/02/22	597	NEL
		2013/02/21	592	NEL
		2013/02/14	572	NEL
LIZMD 044	EL01	2012/11/06	517	NEL
HZMB 011	ELUI	2012/09/19	452	NWL
		2012/03/31	261	NEL
		2011/11/02	Baseline	NWL
		2011/11/01	Baseline	NEL
HZMB 009		2015/03/19	1084	NWL
		2012/05/28	281	NWL
UZMD 000		2015/07/06	1122	NWL
HZMB 008		2012/05/28	281	NWL
HZMB 007	NL246	2012/12/10	529	NEL
		2013/02/21	594	NEL
HZMB 006		2012/12/11	539	NWL
HZIVID UUD		2012/11/01	495	NWL
		2012/03/29	250	NWL
		2015/02/09	1070	NWL
		2015/02/09	1069	NWL
		2013/11/09	860	NWL
HZMB 005		2013/11/07	858	NWL
HZIVID 000		2013/10/15	813	NWL
		2012/12/10	532	NWL
		2012/08/06	374	NWL
		2012/05/28	287	NWL
		2015/07/28	1126	NWL
HZMB 004		2012/09/04	421	NWL
		2012/03/31	262	NWL
		2013/10/15	812	NWL
		2013/06/25	697	NWL
HZMB 003	NL179	2012/12/10	529	NEL
I IZIVID 003	INCITS	2012/03/31	261	NWL
		2011/11/06	Baseline	NEL
		2011/09/16	Baseline	NWL

Identification Number	Baseline Identification Number	Date (YYYY-MM- DD)	Sighting Number	Area Sighted
		2014/05/31	951	NWL
		2013/12/26	878	NWL
		2013/12/19	863	NWL
		2013/11/01	839	NWL
		2013/10/15	819	NWL
		2013/09/24	798	NWL
HZMB 002	WL111	2013/02/14	573	NWL
		2012/12/11	536	NWL
		2012/12/11	535	NWL
		2012/10/12	466	NWL
		2012/10/24	475	NWL
		2012/05/28	281	NWL
		2012/03/29	250	NWL
		2014/08/25	997	NWL
	WL46	2013/08/21	771	NWL
HZMB 001		2013/06/13	681	NWL
TIZIVID OUT	VVL40	2013/04/01	617	NWL
		2013/02/14	573	NWL
		2012/03/29	250	NWL
	CH98	2011/11/02	Baseline	NWL
	NL11	2011/11/02	Baseline	NWL
	INLII	2011/11/07	Baseline	NWL
	NL12	2011/11/02	Baseline	NWL
		2011/09/23	Baseline	NWL
	NL33	2011/11/01	Baseline	NEL
	INLOG	2011/11/05	Baseline	NWL
		2011/11/07	Baseline	NWL
	NL37	2011/09/16	Baseline	NWL
	NL46	2011/10/28	Baseline	NWL





Appendix L – Event Action Plan

Event / Action Plan for Air Quality

Event	Action					
	ET Leader	IEC	ER	Contractor		
Action Level						
Exceedance for one sample	Identify source, investigate the causes of exceedance and propose remedial measures; Inform IEC and ER; Repeat measurement to confirm finding; Increase monitoring frequency to daily.	Check monitoring data submitted by ET; Check Contractor's working method.	1. Notify Contractor.	Rectify any unacceptable practice; Amend working methods if appropriate.		
Exceedance for two or more consecutive samples	 Identify source; Inform IEC and ER; Advise the ER on the effectiveness of the proposed remedial measures; Repeat measurements to confirm findings; Increase monitoring frequency to daily; Discuss with IEC and Contractor on remedial actions required; If exceedance continues, arrange meeting with IEC and ER; If exceedance stops, cease additional monitoring. 	 Check monitoring data submitted by ET; Check Contractor's working method; Discuss with ET and Contractor on possible remedial measures; Advise the ER on the effectiveness of the proposed remedial measures; Supervise Implementation of remedial measures. 	Confirm receipt of notification of failure in writing; Notify Contractor; Ensure remedial measures properly implemented.	 Submit proposals for remedial to ER within 3 working days of notification; Implement the agreed proposals; Amend proposal if appropriate. 		

Event	Action				
	ET Leader	IEC	ER	Contractor	
Limit Level					
Exceedance for one sample	 Identify source, investigate the causes of exceedance and propose remedial measures; Inform ER, Contractor and EPD; Repeat measurement to confirm finding; Increase monitoring frequency to daily; Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results. 	Contractor on possible	Confirm receipt of notification of failure in writing; Notify Contractor; Ensure remedial measures properly implemented.	 Take immediate action to avoid further exceedance; Submit proposals for remedial actions to IEC within 3 working days of notification; Implement the agreed proposals; Amend proposal if appropriate. 	

Event	Action							
	ET Leader	IEC	ER	Contractor				
	 Notify IEC, ER, Contractor and EPD; Identify source; Repeat measurement to confirm findings; Increase monitoring frequency to daily; Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; Arrange meeting with IEC and ER to discuss the remedial actions to be taken; Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; If exceedance stops, cease additional monitoring. 	 Discuss amongst ER, ET, and Contractor on the potential remedial actions; Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; Supervise the implementation of remedial measures. 	notification of failure in writing; 2. Notify Contractor; 3. In consultation with the IEC, agree with the Contractor on the remedial measures to be implemented;	 Take immediate action to avoid further exceedance; Submit proposals for remedial actions to IEC within 3 working days of notification; Implement the agreed proposals; Resubmit proposals if problem still not under control; Stop the relevant portion of works as determined by the ER until the exceedance is abated. 				

Event / Action Plan for Construction Noise

Event	ent Action						
	ET Leader	IEC	ER	Contractor			
Action Level	 Notify IEC and Contractor; Identify source, investigate the causes of exceedance and propose remedial measures; Report the results of investigation to the IEC, ER and Contractor; Discuss with the Contractor and formulate remedial measures; Increase monitoring frequency to check mitigation effectiveness. 	 Review the analysed results submitted by the ET; Review the proposed remedial measures by the Contractor and advise the ER accordingly; Supervise the implementation of remedial measures. 	 Confirm receipt of notification of failure in writing; Notify Contractor; Require Contractor to propose remedial measures for the analysed noise problem; Ensure remedial measures are properly implemented. 	Submit noise mitigation proposals to IEC; Implement noise mitigation proposals.			
Limit Level	 Inform IEC, ER, EPD and Contractor; Identify source; Repeat measurements to confirm findings; Increase monitoring frequency; Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; Inform IEC, ER and EPD the causes and actions taken for the exceedances; Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; If exceedance stops, cease additional monitoring. 	 Discuss amongst ER, ET, and Contractor on the potential remedial actions; Review Contractors remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; Supervise the implementation of remedial measures. 	notification of failure in writing; 2. Notify Contractor; 3. Require Contractor to propose remedial measures for the analysed noise problem;	 Take immediate action to avoid further exceedance; Submit proposals for remedial actions to IEC within 3 working days of notification; Implement the agreed proposals; Resubmit proposals if problem still not under control; Stop the relevant portion of works as determined by the ER until the exceedance is abated. 			

Event / Action Plan for Water Quality

Event	Action								
	ET Leader	IEC	ER	Contractor					
Action level being exceeded by one sampling day	 Repeat in situ measurement to confirm findings; Identify source(s) of impact; Inform IEC, contractor and ER; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with IEC, ER and Contractor; Ensure mitigation measures are implemented; Repeat measurement on next day of exceedance to confirm findings. 	 Check monitoring data submitted by ET and Contractor's working methods; Discuss with ET and Contractor on possible remedial actions; Review the proposed mitigation measures submitted by Contractor and advise the ER accordingly; Assess the effectiveness of the implemented mitigation measures. 	Confirm receipt of notification of non-compliance in writing; Discuss with IEC on the proposed mitigation measures; Make agreement on mitigation measures to be implemented; Ensure mitigation measures are properly implemented.	 Inform the ER and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment and consider changes of working methods; Discuss with ET and IEC on possible remedial actions and propose mitigation measures to IEC and ER; Implement the agreed mitigation measures. Amend working methods if appropriate. 					

Event	Action						
	ET Leader	ET Leader IEC ER		Contractor			
Action level being exceeded by two or more consecutive sampling days	 Repeat <i>in situ</i> measurement to confirm findings; Identify source(s) of impact; Inform IEC, Contractor and ER; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with IEC, ER and Contractor; Ensure mitigation measures are implemented; Increase the monitoring frequency to daily until no exceedance of Action level; Repeat measurement on next day of exceedance to confirm findings. 	 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 ER accordingly; Assess the effectiveness of the implemented mitigation measures. 	 Confirm receipt of notification of non-compliance in writing; Discuss with IEC on the proposed mitigation measures; Make agreement on mitigation measures to be implemented; Ensure mitigation measures are properly implemented; Assess the effectiveness of the implemented mitigation measures. 	 Inform the Engineer and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment and consider changes of working methods; Discuss with ET and IEC on possible remedial actions and propose mitigation measures to IEC and ER within 3 working days of notification; Implement the agreed mitigation measures; Amend working methods if appropriate. 			

Event	Action							
	ET Leader	IEC	ER	Contractor				
Limit level being exceeded by one sampling day	 Repeat <i>in-situ</i> measurement to confirm findings; Identify source(s) of impact; Inform IEC, Contractor, ER and EPD; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with IEC, ER and Contractor; Ensure mitigation measures are implemented; Increase the monitoring frequency to daily until no exceedance of Limit level. 	 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 ER accordingly; Assess the effectiveness of the implemented mitigation measures. 	 Confirm receipt of notification of failure in writing; Discuss with IEC, ET and Contractor on the proposed mitigation measures; Request Contractor to critically review the working methods; Ensure mitigation measures are properly implemented; Assess the effectiveness of the implemented mitigation measures. 	 Inform the ER 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 mitigation measures to ER within 3 working days of notification and discuss with ET, IEC and ER; Implement the agreed mitigation measures; Amend working methods if appropriate. 				

Event		Action	1	
	ET Leader	IEC	ER	Contractor
or more consecutive sampling days	 Repeat <i>in-situ</i> measurement to confirm findings; Identify source(s) of impact; Inform IEC, contractor, ER and EPD; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with IEC, ER and Contractor; Ensure mitigation measures are implemented; Increase the monitoring frequency to daily until no exceedance of Limit level for two consecutive days. 	 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 ER accordingly. 	 Confirm receipt of notification of failure in writing; 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; Assess the effectiveness of the implemented mitigation measures; 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. 	 Inform the ER and confirm notification of the non-compliance in writing; Take immediate action to avoid further exceedance; Rectify unacceptable practice; Check all plant and equipment and consider changes of working methods; Submit proposal of mitigation measures to ER within 3 working days of notification and discuss with ET, IEC and ER; Implement the agreed mitigation measures; Resubmit proposals of mitigation measures if problem still not under control; As directed by the Engineer, to slow down or to stop all or part of the construction activities until no exceedance of Limit level.

Event / Action Plan for Dolphin Monitoring

Event	ET Leader	IEC	ER / 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, ER/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 ER/SOR is satisfied with the proposal of any other measures, ER/SOR to signify the agreement in writing on the measures to be implemented. 	 Inform the ER/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 ER/SOR; Implement the agreed measures.
Limit	Repeat statistical data analysis	Check monitoring data	Attend the meeting to discuss	Inform the ER/SOR and
Level	to confirm findings; 2. Review all available and relevant data, including raw data and statistical analysis results of other parameters covered in the EM&A, to ascertain if differences are as a result of natural variation or previously observed seasonal differences; 3. Identify source(s) of impact; 4. Inform the IEC, ER/SOR and Contractor of findings; 5. Check monitoring data; 6. Repeat review to ensure all the	submitted by ET and Contractor; 2. Discuss monitoring results and findings with the ET and the Contractor; 3. Attend the meeting to discuss with ET, ER/SOR and 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	with ET, IEC and Contractor the necessity of additional dolphin monitoring and any other potential mitigation measures. 2. If ER/SOR is satisfied with the proposals for additional dolphin monitoring and/or any other mitigation measures submitted by ET and Contractor and verified by IEC, ER/SOR to signify the agreement in writing on such proposals and any other mitigation measures. 3. Supervise the implementation	confirm notification of the non-compliance in writing; 2. Attend the meeting to discuss with ET, IEC and ER/SOR the necessity of additional dolphin monitoring and any other 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

dolphin protective measures are fully and properly implemented and advise on additional measures if necessary. 7. If ET proves that the source of impact is caused by any of the construction activity by the works contract, ET to arrange a meeting to discuss with IEC, ER/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.	advise ER/SOR of the results and findings accordingly. 5. Supervise / Audit the implementation of additional monitoring and/or any other mitigation measures and advise ER/SOR the results and findings accordingly.	of additional monitoring and/or any other mitigation measures.	measures.
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China Harbour Engineering Company Limited

Monthly Summary Waste Flow Table for September / 2015 (year)

Project: Hong Kong – Zhuhai – Macao Bridge, Hong Kong Boundary Crossing Facilities – Reclamation Works

Contract No.: HY/2010/02

	Actual Quantities of Inert C&D Materials Generated Monthly				Actual Quantities of C&D Wastes Generated Monthly						
Month	Total Quantity Generated	Hard Rock and Large Broken Concrete (see Note 1)	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics (see Note 2)	Chemical Waste (see Note 4)	Others, e.g. general refuse (see Note 3)
	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000 m ³)
Jan-15	0.0000	0.0000	0.0000	0.0000	0.0000	1774.7845	0.0000	0.4200	4.0000	2.4000	0.0455
Feb-15	0.0000	0.0000	0.0000	0.0000	0.0000	1120.6675	0.0000	0.1400	0.0000	0.0000	0.0390
Mar-15	0.0000	0.0000	0.0000	0.0000	0.0000	390.8735	0.0040	0.3340	0.0020	0.0000	0.0390
Apr-15	0.0000	0.0000	0.0000	0.0000	0.0000	251.3183	0.0000	0.1400	0.0000	0.0000	0.0390
May-15	0.0000	0.0000	0.0000	0.0000	0.0000	778.9842	0.0000	0.1960	0.0000	0.0000	0.0260
Jun-15	0.0000	0.0000	0.0000	0.0000	0.0000	400.6428	0.0000	0.1680	0.0000	0.0000	0.0520
Sub-total	0.0000	0.0000	0.0000	0.0000	0.0000	4717.2709	0.0040	1.3980	4.0020	2.4000	0.2405
Jul-15	0.0000	0.0000	0.0000	0.0000	0.0000	60.7108	0.0150	0.4750	0.0020	0.0000	0.0585
Aug-15	0.0000	0.0000	0.0000	0.0000	0.0000	60.6718	0.0000	0.3360	5.1200	0.0000	0.0585
Sep-15	0.0000	0.0000	0.0000	0.0000	0.0000	69.8487	0.0000	0.0000	0.0000	0.0243	0.0780
Oct-15											
Nov-15											
Dec-15											
Total	0.0000	0.0000	0.0000	0.0000	0.0000	4908.5022	0.0190	2.2090	9.1240	2.4243	0.4355

Notes:

- (1) Broken concrete for recycling into aggregates.
- (2) Plastics refer to plastic bottles/ containers, plastic sheets/ foam from packaging materials.
- (3) Use the conversion factor: 1 full load of dumping truck being equivalent to 6.5m³ by volume.
- (4) Chemical waste refer to spent "battery" and "oil with water".

Appendix N

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

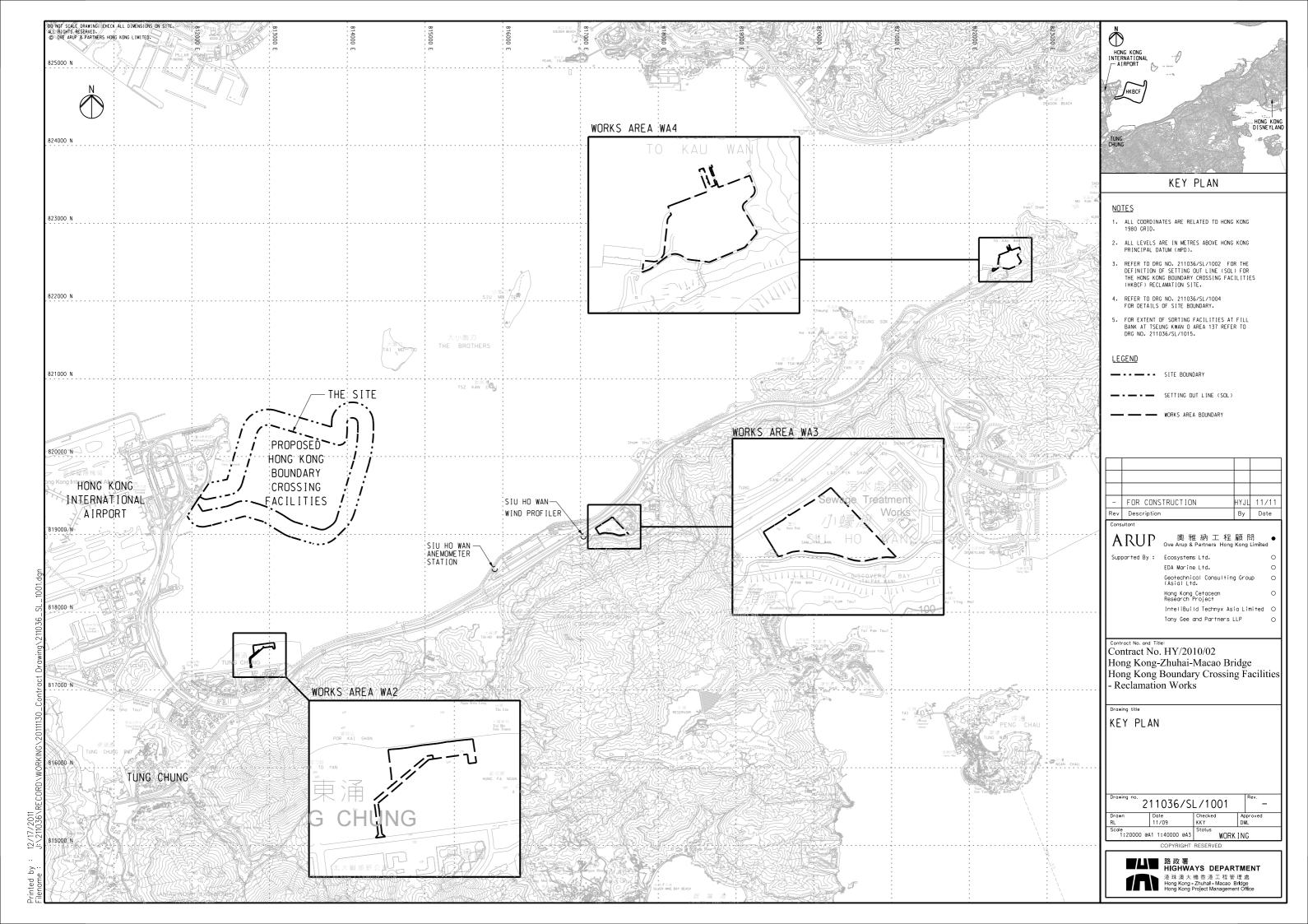
Cumulative statistics on Exceedances

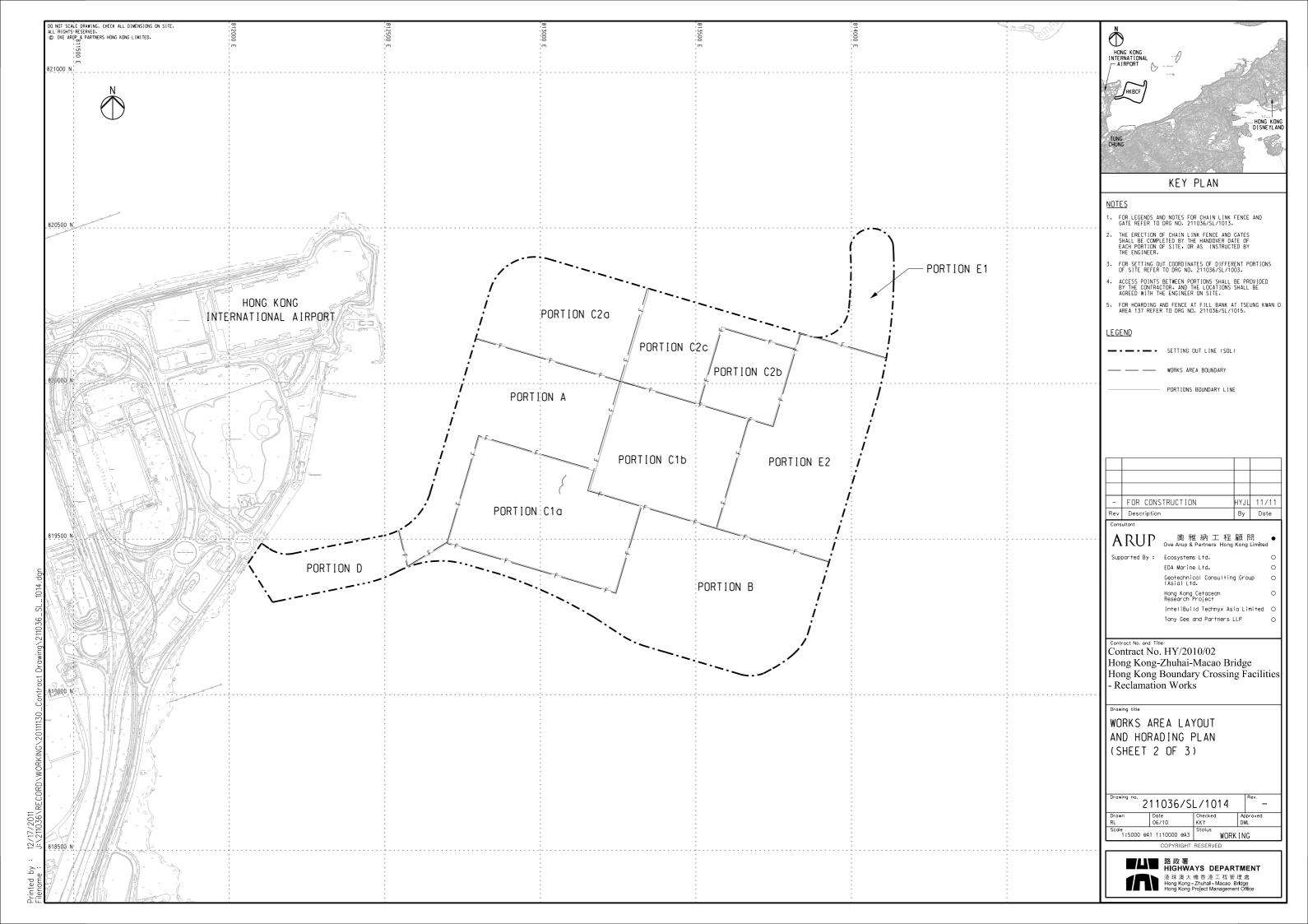
		Total no. recorded in this month	Total no. recorded since project commencement
1-Hour TSP	Action	-	-
	Limit	-	-
24-Hour TSP	Action	-	-
	Limit	-	•
Noise	Action	-	•
	Limit	-	-
Water Quality	Action	-	2
	Limit	-	3
Dolphin Monitoring	Action	-	-
	Limit	-	-

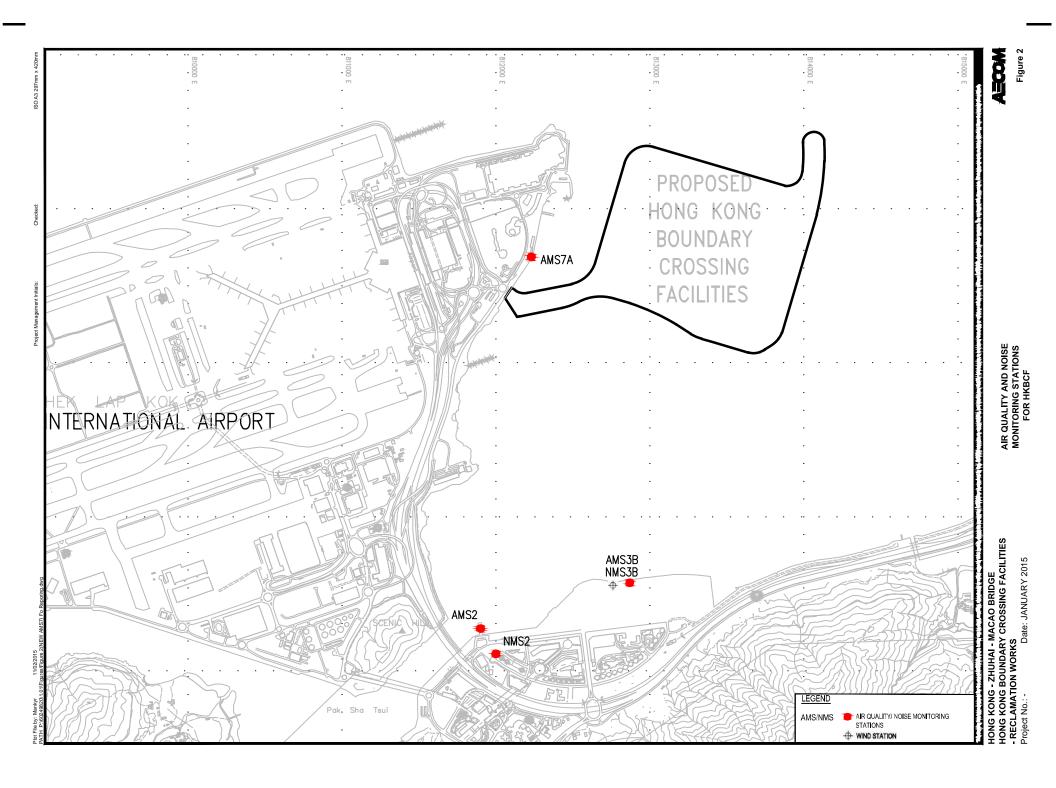
Remarks: Exceedances which are not project-related are not presented in this table.

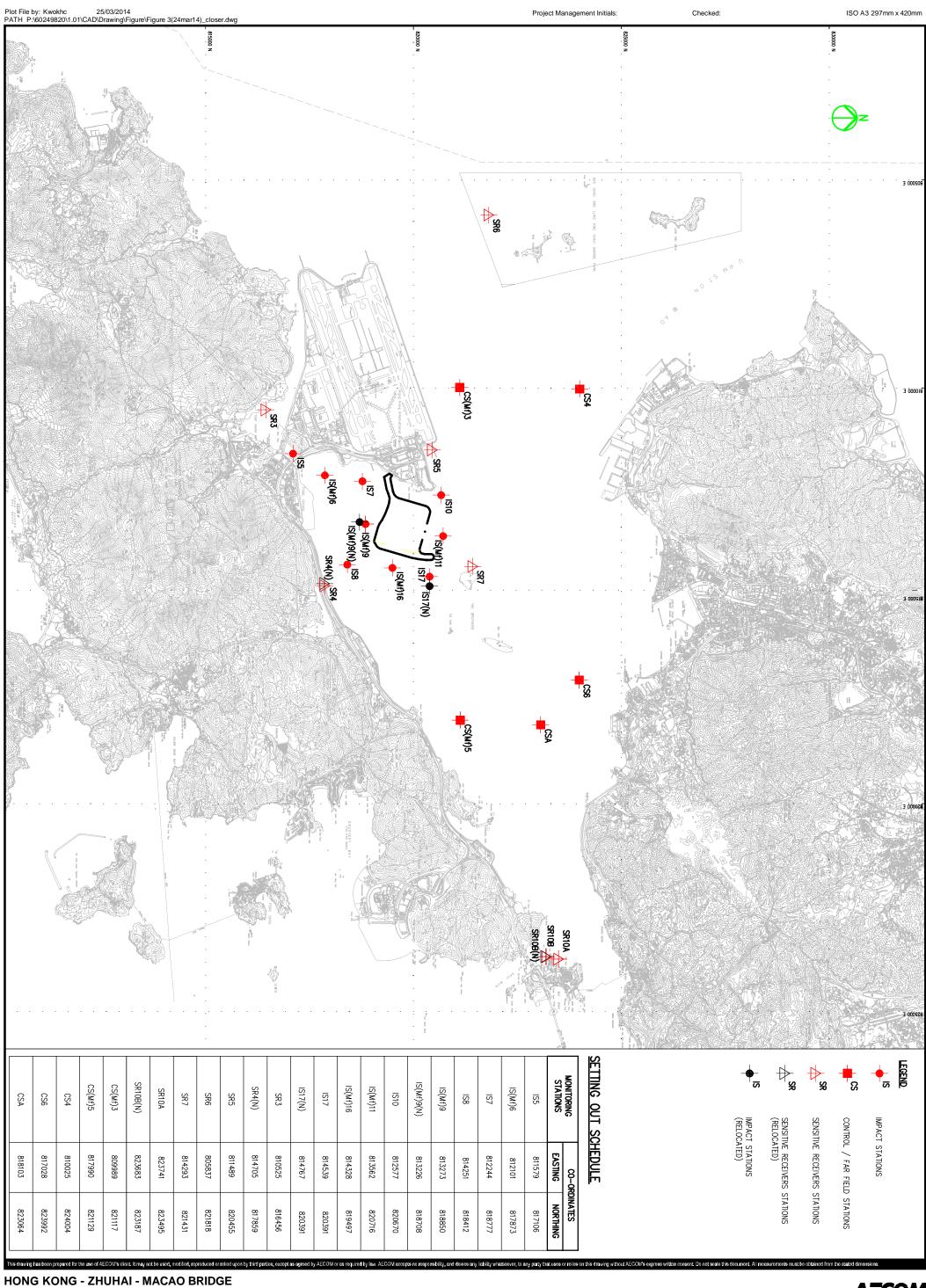
Cumulative statistics on Exceedances, Complaints, Notifications of Summons and Successful Prosecutions

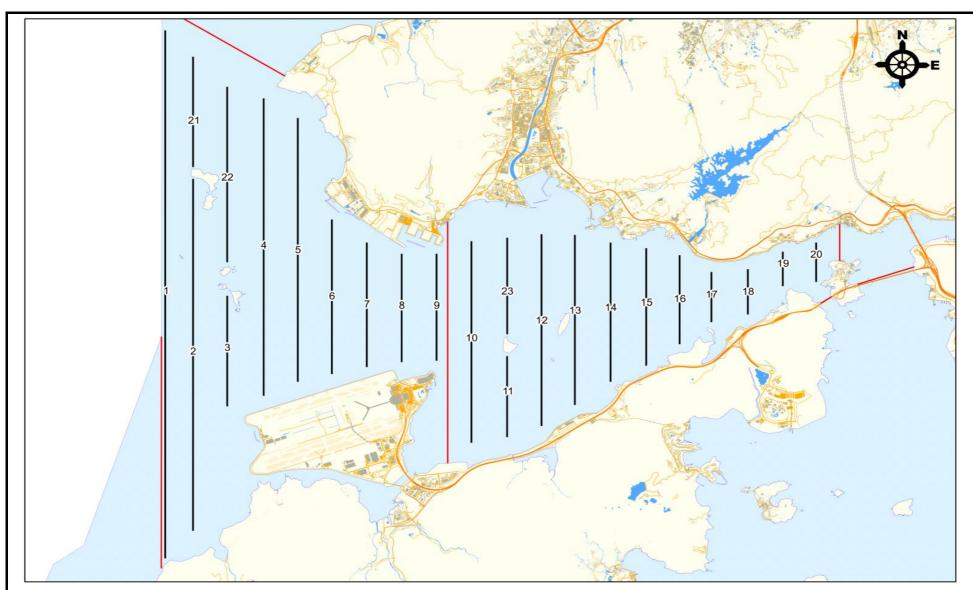
	Date Received	Subject	Status	Total no.	Total no.
				received	received since
				in this	project
				month	commencement
Environmental					
complaints	-	-	-	-	33
Notification of summons	-	-	-	-	2
Successful Prosecutions	-	-	-	-	2











Remarks:

HONG KONG - ZHUHAI - MACAO BRIDGE HONG KONG BOUNDARY CROSSING FACILITIES - RECLAMATION WORKS

Project No.: 60249820 Date: DEC 2012

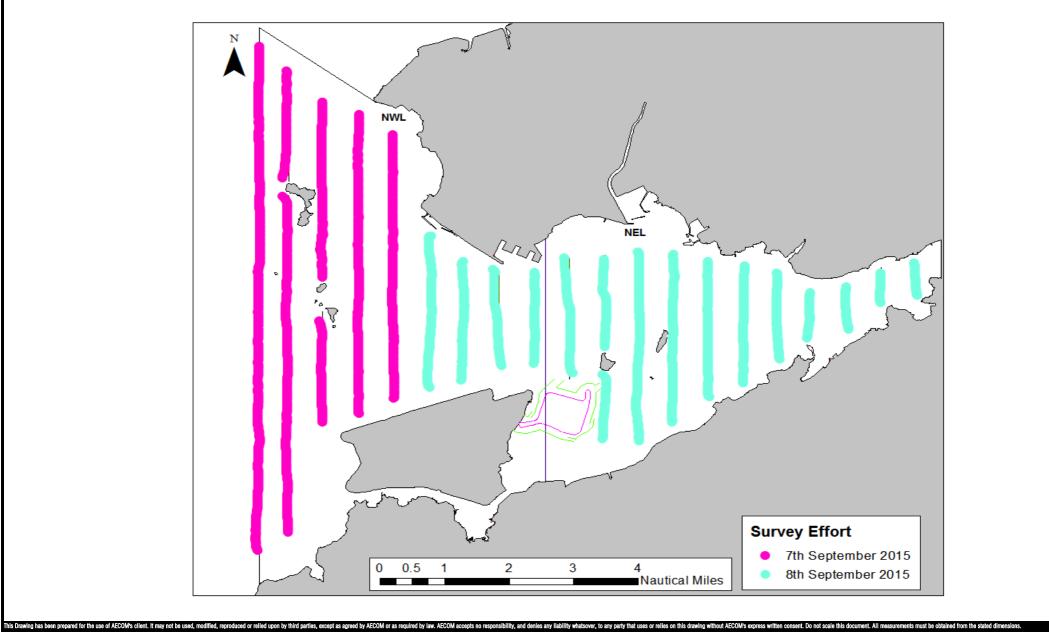




^{*}Transect 10 is now 3.6km in length due to the HKBCF construction site.

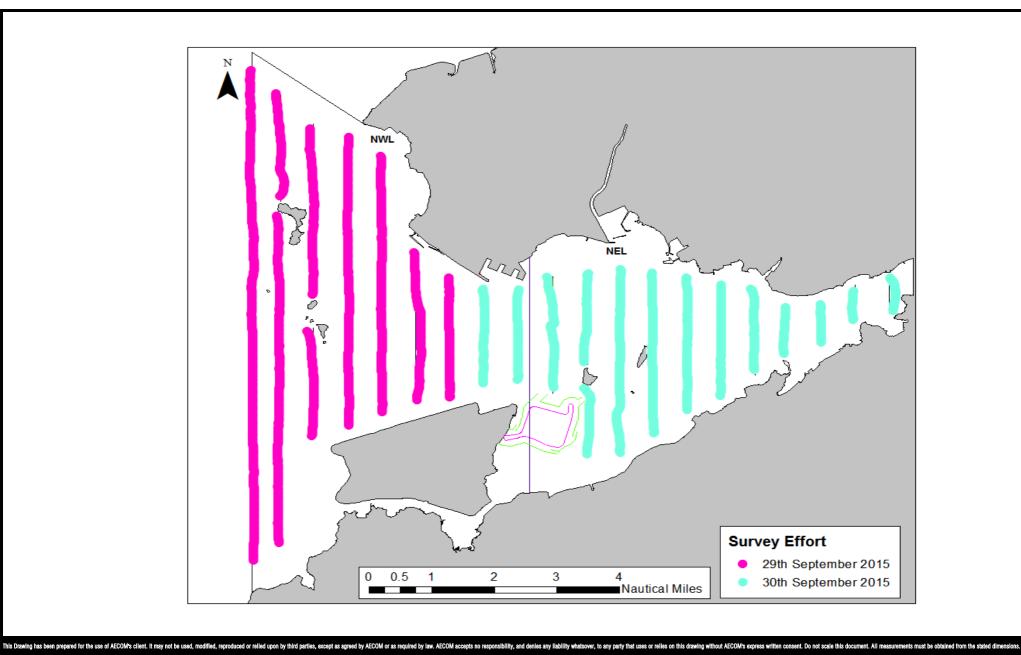
[^]Coordinates for transect lines 1, 2, 7, 8, 9 and 11 have been updated in respect to the Proposal for Alteration of Transect Line for Dolphin Monitoring approved by EPD on 19 August 2015. The total transect length for both NEL and NWL combined is 108km.

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- RECLAMATION WORKS

Project No.: 60249820 Date: Oct 2015

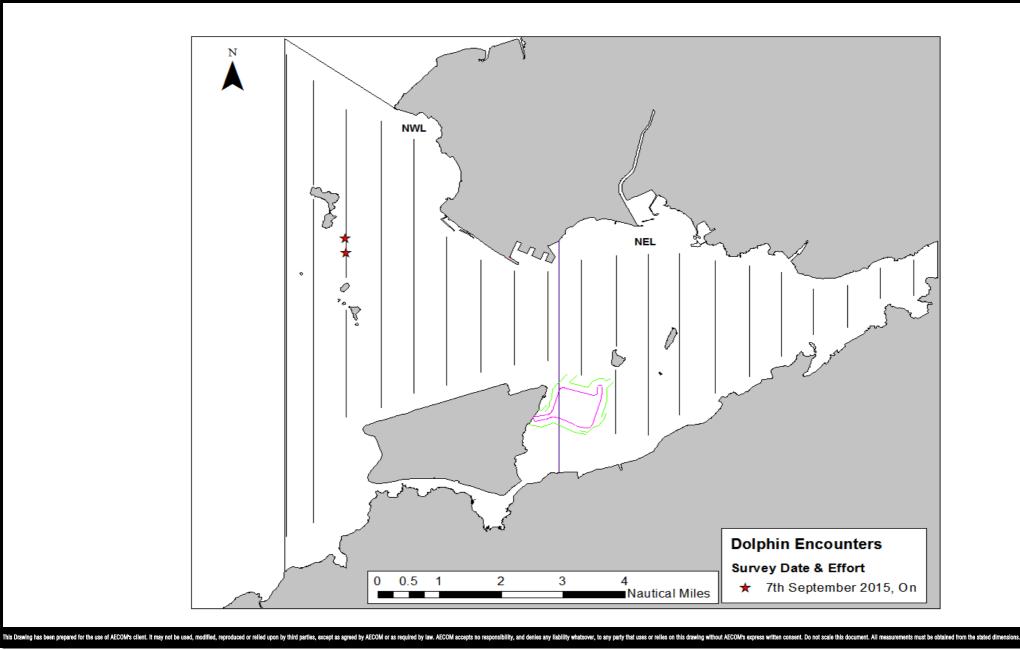


HONG KONG - ZHUHAI - MACAO BRIDGE

HONG KONG BOUNDARY CROSSING FACILITIES

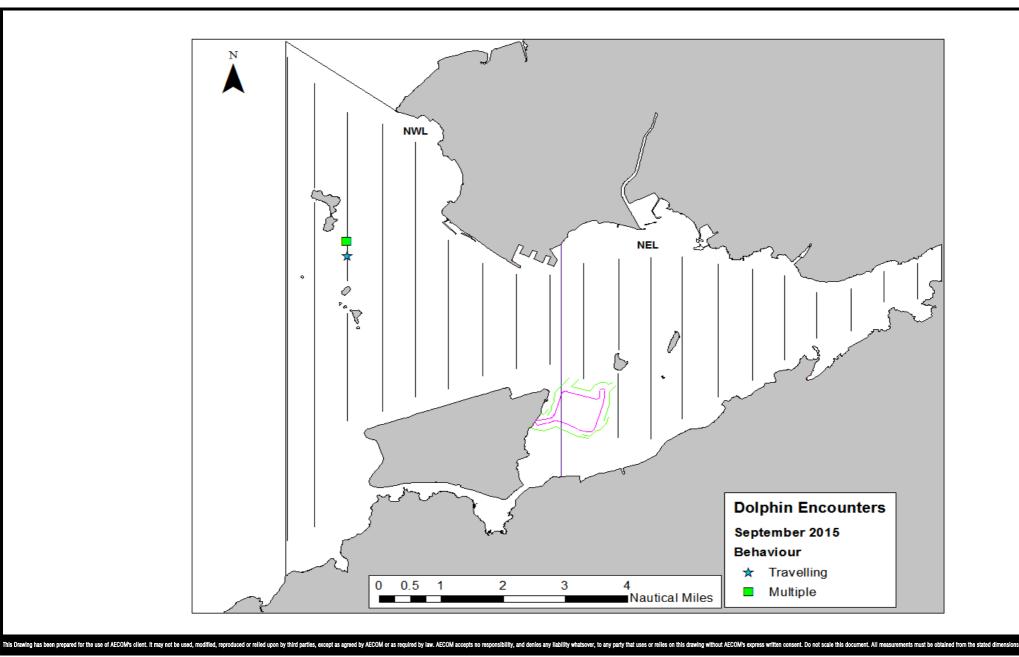
- RECLAMATION WORKS

Project No.: 60249820 Date: Oct 2015



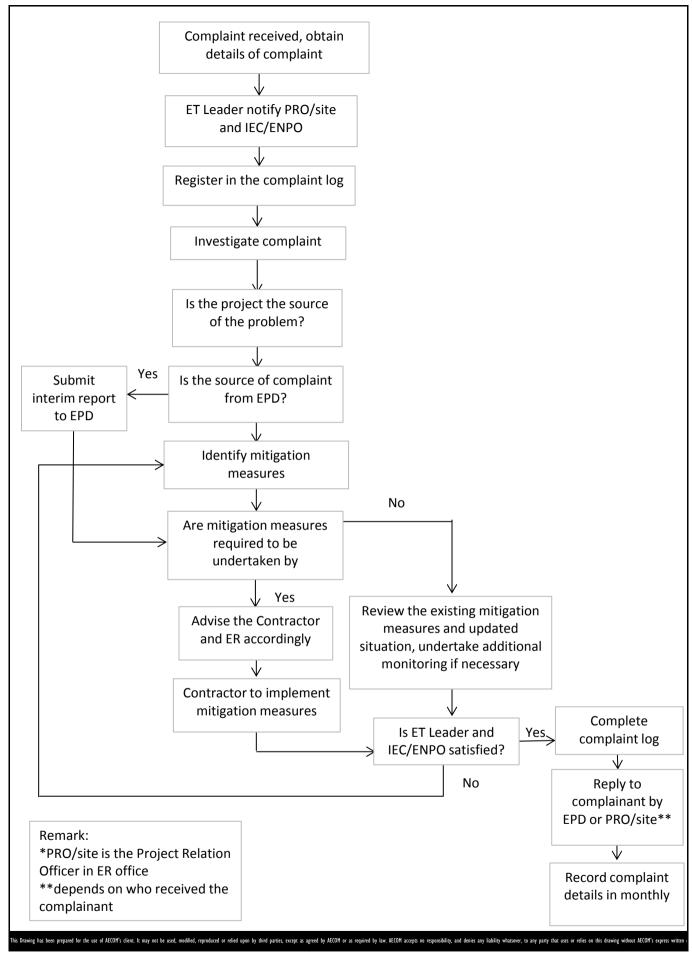
- RECLAMATION WORKS

Project No.: 60249820 Date: Oct 2015



- RECLAMATION WORKS

Project No.: 60249820 Date: Oct 2015



IES AECOM

- RECLAMATION WORKS

Environmental Complaint Handling Procedure

Project No.: 60249820 Date: July 2012 Figure 6