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HKIAS 010 HOKLAS 022 TEST CAL

7 December 2012

Our Ref. : OC/20679/CLL

China Harbour – China State Joint Venture
19/F., China Harbour Building,
370-374 King's Road,
North Point,
Hong Kong

Attn: Mr. Shum Hong Sang

Dear Sir,

Contract No. CV/2009/02
Handling of Surplus Public Fill

Baseline Water Quality Monitoring Report of Tseung Kwan O Area 137 Fill Bank for Contract No. HY/2010/02 Hong Kong-Zhuhai-Macao Bridge, Hong Kong Boundary Crossing Facilities – Reclamation Works

Reference is made to the amended Environmental Permit (No. EP-134/2002/J) Section 3.3. We are please to confirm that we have no comment on the Baseline Water Quality Monitoring Report of the captioned project prepared by AECOM.

Should you have any queries, please do not hesitate to contact the undersigned.

Yours faithfully,
ETS-TESTCONSULT LIMITED

Mr. C. L. Lau
Environmental Team Leader

Encl.

c.c.

CEDD	Mr. Lawrence Ng / Mr. W K Wong / Mr. C Y Liu
Environ	Mr. Tony Cheng
CHEC	Mr. Dennis Tang
EPD(RO(E))	Mr. Ivan Pun

AECOM

China Harbour Engineering Company Limited

Contract No. HY/2010/02

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

Baseline Water Quality Monitoring Report for TKO 137 Fill Bank

[11/2012]

	Name	Signature
Prepared & Checked:	Lemon Lam	
Reviewed & Approved:	Y T Tang	

Version:	Rev. 0	Date: 14 November 2012

AECOM Asia Co. Ltd.
15/F, Grand Central Plaza, Tower 1, 138 Shatin Rural Committee Road, Shatin, NT, Hong Kong
Tel: (852) 3922 9000 Fax: (852) 2317 7609 www.aecom.com

ENVIRON

Ref.: CEDPFRSFEM00_0_1203L.12

6 December 2012 By E-mail and Fax No.: 2695 3944

ETS-Testconsult Limited
8/F, Block B
Veristrong Industrial Centre
34-36 Au Pui Wan Street
Fo Tan, Hong Kong

Attention: Mr. C. L. Lau

Dear Mr. Lau,

Re: Contract No. CV/2009/02
Handling of Surplus Public Fill – Tseung Kwan O Area 137 Fill Bank

EP-134/2002/J
Submission of the Baseline Water Quality Monitoring Report for
TKO Area 137 Fill Bank for Contract No. HY/2010/02
Hong Kong – Zhuhai – Macao Bridge
Hong Kong Boundary Crossing Facilities – Reclamation Works

Reference is made to the ET/HKBCF submission of the Baseline Water Quality Monitoring Report for TKO Area 137 Fill Bank (Rev. 0, dated 13 November 2012) for the captioned Contract by E-mail on 13 November 2012.

We have no comment on the captioned Baseline Water Quality Monitoring Report. We write to confirm that the captioned report had been verified by the IEC/TKO in accordance with Condition 3.3 of EP-134/2002/J.

Thank you very much for your attention and please do not hesitate to contact our Simon Lam or the undersigned should you have any queries.

Yours faithfully,

Tony Cheng
Independent Environmental Checker

c.c.	CEDD	Attn: Mr. Jason Wong / Mr. Panda Liu	Fax No.: 2714 0113
	CHCSJV	Attn: Mr. Dennis Tang	Fax No.: 2247 4108

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EXECUTIVE SUMMARY

On-site sorting facilities for imported material (public fill) for reclamation works of the "Contract No. HY/2010/02 – Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Reclamation Work (here below, known as "the Project") were proposed to establish in Tseung Kwan O (TKO) 137 Fill Bank area (here below known as "the Works Area). Baseline monitoring of water quality was conducted at the designated monitoring location. This report presents the baseline monitoring results regarding water quality aspects performed between April and October 2012.

Water Quality

Baseline water quality monitoring was conducted at three monitoring stations, C1a, M4a & M5. The baseline monitoring was carried out three times per week (from 16 April 2012 to 31 October 2012) before the commencement of operation of the mentioned facilities for both mid-ebb and mid-flood tides. Data collected was reviewed and analysed. Data collected at the impact stations (M4a & M5) were used to establish the Action and Limit Levels for dissolved oxygen (DO), turbidity (Tby) and suspended solids (SS). Details of the monitoring methodology, locations and results are presented in this report.

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 On-site sorting facilities for imported material (public fill) for reclamation works of the Project were proposed to establish in Tseung Kwan O (TKO) 137 Fill Bank area (here below, known as "the Works Area"). The proposed sorting facilities together with barging points, tipping halls and associated facilities will be installed at the Works Area.

1.1.3 The latest Environmental Permit (EP) for Fill Bank at TKO Area 137 was issued on 14 November 2011 (EP-134/2002/J) by the Environmental Protection Department (EPD) to CEDD, the Permit Holders, regarding the Project. Condition 3.2 of the EP requires baseline monitoring on water quality be conducted in a manner as set out in the EM&A Manual for TKO 137 Fill Bank (here below, known as "EM&A Manual"). While Condition 3.3 of the EP requires submission of the baseline monitoring report to the EPD at least 2 weeks before commencement of operation of the mentioned facilities. Baseline monitoring of water quality was conducted at the designated monitoring location and baseline monitoring report was prepared prior to commencement of operation of the mentioned facilities.

1.2 Purpose of the Report

1.2.1 The purpose of this baseline monitoring report is to set out baseline level for water quality. This baseline level would be used as the basis for assessing environmental impact and compliance during transportation and operation of the mentioned facilities for the Project. This report presents the baseline monitoring requirements, methodologies and results of water quality measurements in accordance with the EM&A Manual.

1.2.2 This baseline report presents the monitoring works of water quality monitoring, at two monitoring stations (M4a and M5) and one control station (C1a), conducted between April and October 2012. A layout plan of the Works Area is provided in Figure 1.1.

1.3 Structure of the Report

1.3.1 The structure of the report is as follows:

Section 1: Introduction, background, purpose and the structure of the report.
Section 2: Water quality, which describes the baseline water quality monitoring requirements, methodology and results.
Section 3: Revisions for the Inclusion in the EM&A Manual.
Section 4: Comments and Conclusions.

2 WATER QUALITY

2.1 Monitoring Requirements

2.1.1 Baseline marine water quality monitoring at 3 water quality monitoring stations should be established. In accordance with the EM&A Manual, baseline water quality monitoring should be conducted 3 days per week for at least 4 consecutive weeks prior to commencement of operation of the facilities in the Works Area. Moreover, as stipulated in the latest EP, water quality monitoring should be conducted since 2 weeks before commencement of operation of the additional barging points. Measurements shall be taken at the 3 designated stations, 2 impact and 1 control stations at mid-flood and mid-ebb tides at three water depths, i.e., 1 m below surface, mid-depth and 1 m from seabed.

2.2 Monitoring Equipment

2.2.1 Equipment used in the baseline water quality monitoring programme is summarized in Table 2.1. A copy of the calibration certificates for the water quality monitoring equipment are attached in Appendix A.

Table 2.1 Water Quality Monitoring Equipment

Parameter	Model and Make
Coordinate of Monitoring stations	Garmin etrex 10
Dissolved Oxygen (Saturation), Temperature, Salinity	YSI Dissolved Oxygen, Salinity & Temperature Meter, YSI Pro2030
Turbidity	HACH Model 2100Q Turbid Meter
Water Depth	Speedtech Instrument SM-5A

2.3 Monitoring Parameters, Frequency and Duration

2.3.1 Table 2.2 summarises the monitoring parameters, frequency and duration of baseline water quality monitoring. Baseline water quality monitoring was carried out at three stations from 16 April to 31 October 2012. Detailed baseline water quality monitoring schedule was provided in Appendix B.

Table 2.2 Water Quality Monitoring Parameters, Frequency and Duration

Monitoring Stations	Parameter, unit	Frequency	No. of Depths
Control Stations: C1a *Impact Stations:* M4a – M5	• Depth, m • Temperature, ^{o}C • Salinity, ppt • DO, mg/L • DO Saturation, % • Turbidity, NTU • 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 mid-depth station may be omitted. Should the water depth be less than 3 m, only the mid-depth station will be monitored).

2.4 Monitoring Locations

2.4.1 The measurements were taken at all designated impact and control stations summarized in Table 2.3. The two impact stations were chosen on the basis of their proximity to the Works Area, which would be under the greatest potential for water quality impacts. In addition, a control station was also set up for ebb-tide references respectively of the surrounding ambient.

Table 2.3 Location of Water Quality Impact Stations

Station I.D.	HK 1980 Grid		Status
	Easting	Northing	
C1a	845647	814146	Control Station (Ebb-tide)
M4a	845922	813973	Impact Station (Close to Additional Barging Point, Tipping Halls and Associated Facilities at TKO 137 Fill Bank)
M5	847005	813678	Impact Station (Close to Tai Miu Wan)

2.5 Monitoring Methodology

2.5.1 Instrumentation

(a) The in-situ water quality parameters, viz. dissolved oxygen, temperature, salinity and turbidity were measured by multi-parameter meters and turbidity was measured by Turbid Meter.

2.5.2 Operating/Analytical Procedures

(a) A hand-held digital Global Positioning Systems (GPS) 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, salinity) and water sample for SS were collected. For turbidity measurement, the sample was collected by using sampler and then transferred to the cell. The reading of turbidity of the sample was directly recorded from the Turbidimeter (HACH 2100Q) after inserting the cell to the Turbidimeter. For DO concentration and saturation, temperature and salinity, duplicate measurements were performed by dropping the calibrated probes of the corresponding monitoring equipments to the designated depths of the water column and taking readings after stabilized. 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 $4^{o}C$ without being frozen), and delivered to Environmental Laboratory, ETS-Testconsult Ltd. (HOKLAS Registration No. 022) for the analysis of suspended solids concentrations. The laboratory determination work would be started within 24 hours after collection of the water samples. Environmental Laboratory, ETS-Testconsult 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 and attached in Appendix D.

2.5.3 Maintenance and Calibration

(a) Before each round of monitoring, the dissolved oxygen probe of YSI Pro2030 was calibrated by the wet bulb method.

(b) The monitoring instruments were checked, calibrated and certified by a laboratory accredited under HOKLAS before use and subsequently re-calibrated at 3-monthly intervals throughout all stages of the water quality monitoring.

2.6 Results and Observations

2.6.1 The baseline water quality monitoring results for C1a, M4a and M5 are summarized in Tables 2.4 and 2.5. Detail water quality monitoring results are presented in Appendix C.

Table 2.4 Summary of Marine Water Monitoring Results for Mid-ebb Tide

Monitoring Station	Temperature (^{o}C)	Salinity (ppt)	DO (SM) (mg/L)	DO (Bottom) (mg/L)	DO Saturation (%)	Turbidity (NTU)	SS (mg/L)
C1a	26.8 (22.0 - 29.0)	26.7 (23.4 - 30.3)	6.1 (4.4 - 7.5)	5.9 (4.0 - 7.2)	86.8 (56.6 - 105.2)	2.9 (1.2 - 5.6)	4.0 (2.2 - 6.2)
M4a	26.8 (21.9 - 29.0)	26.8 (23.4 - 30.5)	6.1 (4.4 - 7.4)	5.9 (3.8 - 7.1)	87.0 (55.8 - 103.2)	2.8 (1.1 - 5.2)	3.9 (2.0 - 6.0)
M5	26.8 (21.9 - 29.1)	26.7 (23.4 - 30.5)	6.3 (5.2 - 8.5)	6.0 (2.9 - 8.0)	89.7 (68.1 - 120.8)	2.7 (1.0 - 4.2)	3.8 (2.0 - 6.0)

Table 2.5 Summary of Marine Water Monitoring Results for Mid-flood Tide

Monitoring Station	Temperature (^{o}C)	Salinity (ppt)	DO (SM) (mg/L)	DO (Bottom) (mg/L)	DO Saturation (%)	Turbidity (NTU)	SS (mg/L)
C1a	26.8 (21.8 - 28.8)	26.7 (23.5 - 30.5)	6.1 (4.4 - 7.5)	5.9 (4.5 - 7.1)	87.6 (63.4 - 106.2)	2.8 (1.0 - 5.0)	3.9 (2.0 - 5.8)
M4a	26.8 (21.8 - 28.8)	26.7 (23.5 - 30.6)	6.2 (4.4 - 7.5)	5.9 (4.4 - 7.1)	87.7 (63.3 - 104.4)	2.8 (1.0 - 5.0)	3.9 (2.0 - 5.4)
M5	26.8 (21.9 - 28.7)	26.8 (23.4 - 30.6)	6.3 (4.4 - 8.8)	6.1 (4.7 – 8.0)	90.1 (63.9 - 118.5)	2.7 (1.0 - 4.3)	3.7 (2.2 - 5.8)

2.6.2 The weather conditions during the monitoring period were generally in cloudy or fine. Sea conditions for the majority of monitoring days are generally small wave. No major water pollution source, which might affect the results was observed during the baseline monitoring period. Monitoring session on 23 July 2012 was cancelled due to Typhoon Signal No.3 and No.8 hoisted by Hong Kong Observatory.

2.6.3 Since the water depths at all the monitoring stations were generally higher than 6 m, sampling was conducted at three water depths at each station.

2.7 Action and Limit Levels

2.7.1 The Action and Limit Levels (AL levels) have been set in accordance with the derivation criteria specified in the EM&A Manual. This is shown in Table 2.6.

Table 2.6 Derivation of Action and Limit Levels for Water Quality

Parameters	Action	Limit
DO in mg L^{-1} (Surface, Middle & Bottom)	Surface and Middle 5 percentile of baseline data for surface and middle layer Bottom 5 percentile of baseline data for bottom layer	Surface and Middle 4 mg L^{-1} or 1%-ile of baseline data for surface and middle layer Bottom 2 mg L^{-1} or 1%-ile of baseline data for bottom layer
SS in mg L^{-1} (depth-averaged)	95 percentile of baseline data or 120% of upstream control station's SS at the same tide of the same day	99 percentile of baseline or 130% of upstream control station's SS at the same tide of the same day and specific sensitive receiver water quality requirements (e.g. required suspended solids level at FCZ)
Turbidity in NTU (depth-averaged)	95 percentile of baseline data or 120% of upstream control station's turbidity at the same tide of the same day	99 percentile of baseline or 130% of upstream control station's turbidity at the same tide of the same day

Notes: 1. "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.
4. All the figures given in the table are used for reference only and the EPD may amend the figures whenever it is considered as necessary.

2.7.2 Following the criteria shown in Table 2.6, the AL Levels for water quality are derived and presented in Tables 2.7 respectively.

Table 2.7 Action and Limit Levels for Water Quality

Parameters	Action	Limit
DO in mg/L (Surface & Middle, Bottom)	Surface & Middle 5.5 mg/L Bottom 5.2 mg/L	Surface & Middle 4.0 mg/L Bottom 2.0 mg/L
SS in mg/L (depth-averaged)	4.9 mg/L or 120% of upstream control station's SS at the same tide of the same day	5.2 mg/L or 130% of upstream control station's SS at the same tide of the same day and specific sensitive receiver water quality requirements (e.g. required suspended solids level at FCZ)
Turbidity in NTU (depth-averaged)	3.9 NTU or 120% of upstream control station's turbidity at the same tide of the same day	4.2NTU or 130% of upstream control station's turbidity at the same tide of the same day

Notes: 1. "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.
4. All the figures given in the table are used for reference only and the EPD may amend the figures whenever it is considered as necessary.

3 REVISIONS FOR INCLUSION IN THE EM&A MANUAL

3.1.1 The baseline monitoring for water quality was conducted in accordance with the requirements as set out in the EM&A Manual. The monitoring programme as stipulated in the EM&A Manual and EP generally meets the purpose to establish ambient conditions for water quality prior to commencement of the operation of the Project.

4 COMMENTS AND CONCLUSIONS

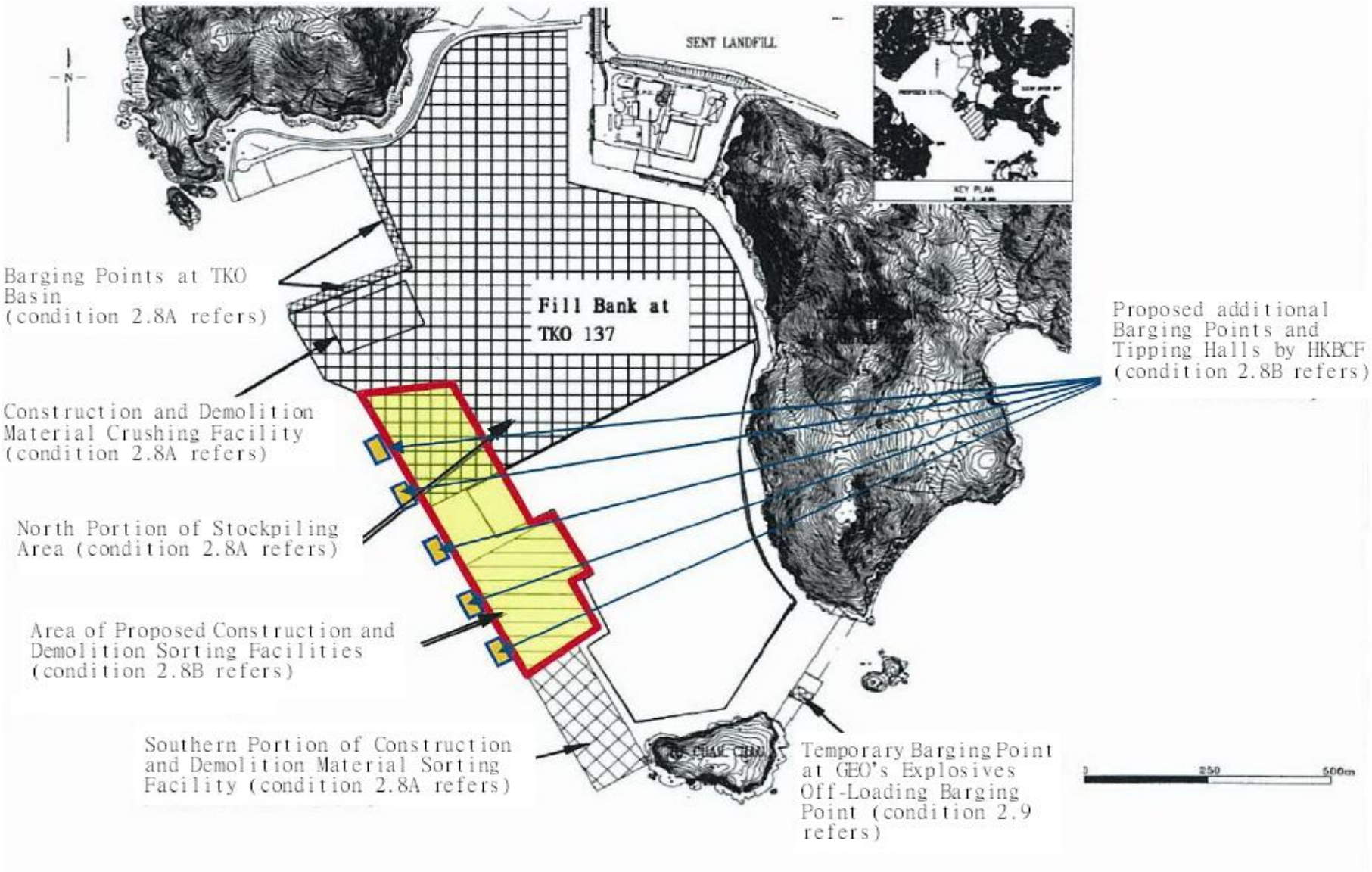
4.1.1 This baseline monitoring report presents baseline monitoring results for water quality at C1a, M4a and M5.

4.1.2 All laboratory results satisfied the QA/QC requirements and all monitoring equipment is properly calibrated and with valid calibration certificates.

4.1.3 Baseline water quality monitoring was conducted at the designated monitoring stations. Nevertheless, the results reflected the ambient water conditions at the monitoring stations. The Action and Limit Levels for water quality were established based on the baseline monitoring results.

4.1.4 Data established in this report are considered representative of the baseline conditions for the Project's sorting facilities together with barging points, tipping halls and associated facilities at the Works Area.

FIGURES



(Plan Originated from Figure 2 of Environmental Permit No.: EP-134/2002/J)

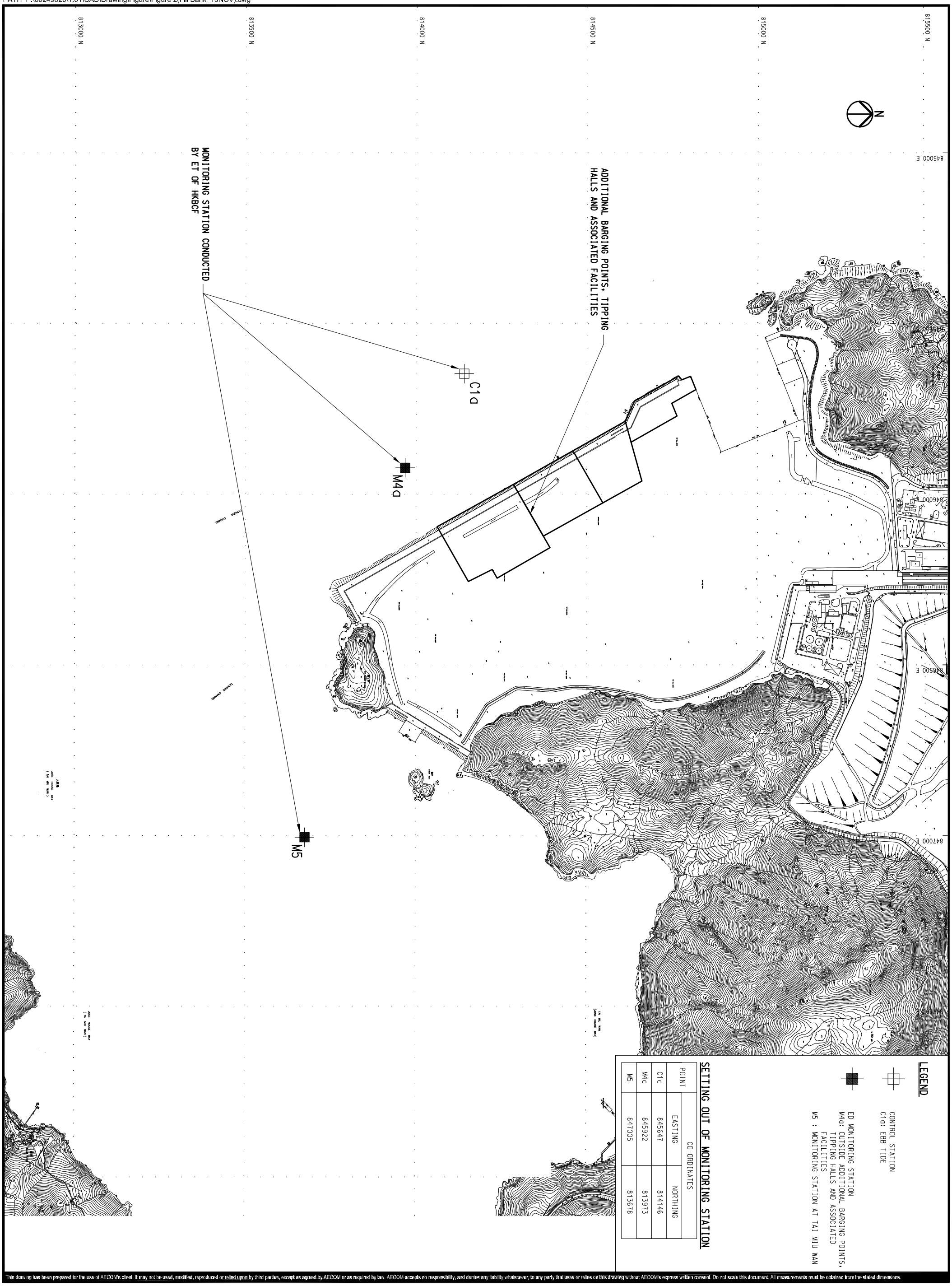
HONG KONG - ZHUHAI - MACAO BRIDGE
HONG KONG BOUNDARY CROSSING FACILITIES
RECLAMATION WORKS

AECOM

Site Layout Plan for TKO 137 Fill Bank

Project No.: 60249820 **Date: MAY 2012**

Figure 1.1



HONG KONG - ZHUHAI - MACAO BRIDGE
HONG KONG BOUNDARY CROSSING FACILITIES
- RECLAMATION WORKS
Project No.: 60249820 Date: APR. 2012

WATER QUALITY MONITORING STATION
AT TKO 137 FILL BANK

AECOM

Figure 2

APPENDIX A
CALIBRATION RECORDS

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Internal Calibration Report of Dissolved Oxygen Meter

Equipment Ref. No.	:	ET/EW/008/005	Manufacturer	:	YSI
Model No.	:	Pro 2030	Serial No.	:	12A 100353
Date of Calibration	:	25/02/2012	Calibration Due Date	:	24/05/2012

Temperature Verification

Ref. No. of Reference Thermometer : ET/0521/001

Ref. No. of Water Bath : ---

	Temperature (°C)			
Reference Thermometer reading	Measured	20.1	Corrected	19.8
DO Meter reading	Measured	19.7	Difference	0.1

Standardization of sodium thiosulphate ($Na_2S_2O_3$) solution

Reagent No. of $Na_2S_2O_3$ titrant	CPE/012/4.5/001/4	Reagent No. of 0.025N $K_2Cr_2O_7$	CPE/012/4.4/001/8

	Trial 1	Trial 2
Initial Vol. of $Na_2S_2O_3$ (ml)	0.00	0.00
Final Vol. of $Na_2S_2O_3$ (ml)	40.00	40.00
Vol. of $Na_2S_2O_3$ used (ml)	40.00	40.00
Normality of $Na_2S_2O_3$ solution (N)	0.02500	0.02500
Average Normality (**N**) of $Na_2S_2O_3$ solution (N)	0.02500	
Acceptance criteria, Deviation	Less than ± 0.001N	

Calculation: Normality of $Na_2S_2O_3$, **N** = 1 / ml $Na_2S_2O_3$ used

Lineality Checking

Determination of dissolved oxygen content by Winkler Titration *

Purging Time (min)	2		5		10	
Trial	1	2	1	2	1	2
Initial Vol. of $Na_2S_2O_3$ (ml)	0.00	11.30	22.50	0.00	7.80	12.50
Final Vol. of $Na_2S_2O_3$ (ml)	11.30	22.50	30.20	7.80	12.50	17.10
Vol. (**V**) of $Na_2S_2O_3$ used (ml)	11.30	11.20	7.70	7.80	4.70	4.60
Dissolved Oxygen (**DO**), mg/L	7.58	7.52	5.17	5.23	3.15	3.09
Acceptance criteria, Deviation	Less than + 0.3mg/L		Less than + 0.3mg/L		Less than + 0.3mg/L	

Calculation: DO (mg/L) = **V** x **N** x 8000/298

Purging time, min	DO meter reading, mg/L			Winkler Titration result *, mg/L			Difference (%) of DO Content
	1	2	Average	1	2	Average	
2	7.62	7.59	7.61	7.58	7.52	7.55	0.79
5	5.31	5.34	5.33	5.17	5.23	5.20	2.47
10	3.09	3.04	3.07	3.15	3.09	3.12	1.62
Linear regression coefficient				0.99894			

Internal Calibration Report of Dissolved Oxygen Meter

Zero Point Checking

DO meter reading, mg/L	0.00

Salinity Checking

Reagent No. of NaCl (10ppt)	CPE/012/4.7/001/18	Reagent No. of NaCl (30ppt)	CPE/012/4.8/001/18

Determination of dissolved oxygen content by Winkler Titration **

Salinity (ppt)	10		30	
Trial	1	2	1	2
Initial Vol. of $Na_2S_2O_3$ (ml)	0.00	11.60	23.20	33.80
Final Vol. of $Na_2S_2O_3$ (ml)	11.60	23.20	33.80	44.50
Vol. (**V**) of $Na_2S_2O_3$ used (ml)	11.60	11.60	10.60	10.70
Dissolved Oxygen (**DO**), mg/L	7.79	7.79	7.11	7.18
Acceptance criteria, Deviation	Less than + 0.3mg/L		Less than + 0.3mg/L	

Calculation: DO (mg/L) = **V** x **N** x 8000/298

Salinity (ppt)	DO meter reading, mg/L			Winkler Titration result**, mg/L			Difference (%) of DO Content
	1	2	Average	1	2	Average	
10	7.87	7.84	7.86	7.79	7.79	7.79	0.89
30	7.07	7.11	7.09	7.11	7.18	7.15	0.84

Acceptance Criteria

(1) Differenc between temperature readings from temperature sensor of DO probe and reference thermometer : < 0.5 °C

(2) Linear regression coefficient : >0.99

(3) Zero checking: 0.0mg/L

(4) Difference (%) of DO content from the meter reading and by winkler titration : within ± 5%

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

* Delete as appropriate

Calibrated by : _____ Approved by : _____

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Form E/CE/R/12 Issue 7 (1/2) [09/09]

Internal Calibration Report of Dissolved Oxygen Meter

Equipment Ref. No.	:	ET/EW/008/005	Manufacturer	:	YSI
Model No.	:	Pro 2030	Serial No.	:	12A 100353
Date of Calibration	:	25/05/12	Calibration Due Date	:	24/08/12

Temperature Verification

Ref. No. of Reference Thermometer : ET/0521/001

Ref. No. of Water Bath : ---

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

Standardization of sodium thiosulphate ($Na_2S_2O_3$) solution

Reagent No. of $Na_2S_2O_3$ titrant	CPE/012/4.5/001/5	Reagent No. of 0.025N $K_2Cr_2O_7$	CPE/012/4.4/001/10

	Trial 1	Trial 2
Initial Vol. of $Na_2S_2O_3$ (ml)	0.00	0.00
Final Vol. of $Na_2S_2O_3$ (ml)	39.80	40.00
Vol. of $Na_2S_2O_3$ used (ml)	39.80	40.00
Normality of $Na_2S_2O_3$ solution (N)	0.02513	0.02500
Average Normality (N) of $Na_2S_2O_3$ solution (N)	0.02507	
Acceptance criteria, Deviation	Less than ± 0.001N	

Calculation: Normality of $Na_2S_2O_3$, N = 1 / ml $Na_2S_2O_3$ used

Lineality Checking

Determination of dissolved oxygen content by Winkler Titration *

Purging Time (min)	2		5		10	
Trial	1	2	1	2	1	2
Initial Vol. of $Na_2S_2O_3$ (ml)	0.00	10.60	21.10	0.00	8.10	13.00
Final Vol. of $Na_2S_2O_3$ (ml)	10.60	21.10	29.50	8.10	13.00	17.50
Vol. (V) of $Na_2S_2O_3$ used (ml)	10.60	10.50	8.40	8.10	4.90	4.50
Dissolved Oxygen (DO), mg/L	7.13	7.07	5.65	5.45	3.30	3.03
Acceptance criteria, Deviation	Less than + 0.3mg/L		Less than + 0.3mg/L		Less than + 0.3mg/L	

Calculation: DO (mg/L) = V x N x 8000/298

Purging time, min	DO meter reading, mg/L			Winkler Titration result *, mg/L			Difference (%) of DO Content
	1	2	Average	1	2	Average	
2	7.20	7.16	7.18	7.13	7.07	7.10	1.12
5	5.58	5.50	5.54	5.65	5.45	5.55	0.18
10	3.17	3.07	3.12	3.30	3.03	3.17	1.59
Linear regression coefficient				0.99990			

Internal Calibration Report of Dissolved Oxygen Meter

Zero Point Checking

DO meter reading, mg/L	0.00

Salinity Checking

Reagent No. of NaCl (10ppt)	CPE/012/4.7/001/23	Reagent No. of NaCl (30ppt)	CPE/012/4.8/001/23

Determination of dissolved oxygen content by Winkler Titration **

Salinity (ppt)	10		30	
Trial	1	2	1	2
Initial Vol. of $Na_2S_2O_3$ (ml)	0.00	11.70	23.10	33.80
Final Vol. of $Na_2S_2O_3$ (ml)	11.70	23.10	33.80	44.40
Vol. (**V**) of $Na_2S_2O_3$ used (ml)	11.70	11.40	10.70	10.60
Dissolved Oxygen (**DO**), mg/L	7.87	7.67	7.20	7.13
Acceptance criteria, Deviation	Less than + 0.3mg/L		Less than + 0.3mg/L	

Calculation: DO (mg/L) = **V** x **N** x 8000/298

Salinity (ppt)	DO meter reading, mg/L			Winkler Titration result**, mg/L			Difference (%) of DO Content
	1	2	Average	1	2	Average	
10	7.9	7.84	7.87	7.87	7.67	7.77	1.28
30	7.09	7.07	7.08	7.20	7.13	7.17	1.26

Acceptance Criteria

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

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

" Delete as appropriate

Calibrated by : L de Lam

Approved by :

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Internal Calibration Report of Dissolved Oxygen Meter

Equipment Ref. No.	:	ET/EW/008/005	Manufacturer	:	YSI
Model No.	:	Pro 2030	Serial No.	:	12A 100353
Date of Calibration	:	25/08/2012	Calibration Due Date	:	24/11/2012

Temperature Verification

Ref. No. of Reference Thermometer : ET/0521/001

Ref. No. of Water Bath : ---

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

Standardization of sodium thiosulphate ($Na_2S_2O_3$) solution

Reagent No. of $Na_2S_2O_3$ titrant	CPE/012/4.5/001/5	Reagent No. of 0.025N $K_2Cr_2O_7$	CPE/012/4.4/001/12

	Trial 1	Trial 2
Initial Vol. of $Na_2S_2O_3$ (ml)	0.00	0.00
Final Vol. of $Na_2S_2O_3$ (ml)	40.10	40.05
Vol. of $Na_2S_2O_3$ used (ml)	40.10	40.05
Normality of $Na_2S_2O_3$ solution (N)	0.02494	0.02497
Average Normality (**N**) of $Na_2S_2O_3$ solution (N)	0.02496	
Acceptance criteria, Deviation	Less than ± 0.001N	

Calculation: Normality of $Na_2S_2O_3$, **N** = 1 / ml $Na_2S_2O_3$ used

Lineality Checking

Determination of dissolved oxygen content by Winkler Titration *

Purging Time (min)	2		5		10	
Trial	1	2	1	2	1	2
Initial Vol. of $Na_2S_2O_3$ (ml)	0.00	11.20	22.20	0.00	7.60	12.30
Final Vol. of $Na_2S_2O_3$ (ml)	11.20	22.20	29.90	7.60	12.30	17.20
Vol. (**V**) of $Na_2S_2O_3$ used (ml)	11.20	11.00	7.70	7.60	4.70	4.90
Dissolved Oxygen (**DO**), mg/L	7.50	7.37	5.16	5.09	3.15	3.28
Acceptance criteria, Deviation	Less than + 0.3mg/L		Less than + 0.3mg/L		Less than + 0.3mg/L	

Calculation: DO (mg/L) = **V** x **N** x 8000/298

Purging time, min	DO meter reading, mg/L			Winkler Titration result *, mg/L			Difference (%) of DO Content
	1	2	Average	1	2	Average	
2	7.51	7.60	7.56	7.50	7.37	7.44	1.60
5	5.21	5.20	5.21	5.16	5.09	5.13	1.55
10	3.19	3.25	3.22	3.15	3.28	3.22	0.00
Linear regression coefficient				0.99990			

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Internal Calibration Report of Dissolved Oxygen Meter

Zero Point Checking

DO meter reading, mg/L	0.00

Salinity Checking

Reagent No. of NaCl (10ppt)	CPE/012/4.7/001/28	Reagent No. of NaCl (30ppt)	CPE/012/4.8/001/28

Determination of dissolved oxygen content by Winkler Titration **

Salinity (ppt)	10		30	
Trial	1	2	1	2
Initial Vol. of $Na_2S_2O_3$ (ml)	0.00	11.50	23.20	33.90
Final Vol. of $Na_2S_2O_3$ (ml)	11.50	23.20	33.90	44.40
Vol. (**V**) of $Na_2S_2O_3$ used (ml)	11.50	11.70	10.70	10.50
Dissolved Oxygen (**DO**), mg/L	7.71	7.84	7.17	7.04
Acceptance criteria, Deviation	Less than + 0.3mg/L		Less than + 0.3mg/L	

Calculation: DO (mg/L) = **V** x **N** x 8000/298

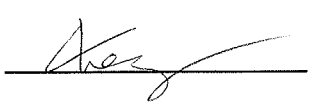
Salinity (ppt)	DO meter reading, mg/L			Winkler Titration result**, mg/L			Difference (%) of DO Content
	1	2	Average	1	2	Average	
10	7.7	7.65	7.68	7.71	7.84	7.78	1.29
30	7.13	7.05	7.09	7.17	7.04	7.11	0.28

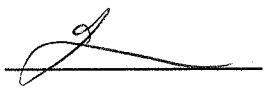
Acceptance Criteria

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

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

" Delete as appropriate

Calibrated by : 

Approved by : 

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ETS-TESTCONSULT LIMITED

Performance Check of Salinity Meter

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

Model No. : Pro 2030 Serial No. : 12A 100353

Date of Calibration : 25/02/2012 Due Date : 24/05/2012

Ref. No. of Salinity Standard used (30ppt)	S/001/3

Salinity Standard (ppt)	Measured Salinity (ppt)	Difference %
30.0	30.0	0.0

Acceptance Criteria

Difference : <10 %

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

Checked by : Ada Lau Approved by :

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Performance Check of Salinity Meter

Equipment Ref. No. :	ET/EW/008/005	Manufacturer :	YSI
Model No. :	Pro 2030	Serial No. :	12A 100353
Date of Calibration :	25/05/2012	Due Date :	24/08/2012

Ref. No. of Salinity Standard used (30ppt)	S/001/3

Salinity Standard (ppt)	Measured Salinity (ppt)	Difference %
30.0	30.0	0.0

Acceptance Criteria

Difference : <10 %

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

Checked by : Ada Lam

Approved by :

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Performance Check of Salinity Meter

Equipment Ref. No. :	ET/EW/008/005	Manufacturer :	YSI
Model No. :	Pro 2030	Serial No. :	12A 100353
Date of Calibration :	25/08/2012	Due Date :	24/ 11/2012

Ref. No. of Salinity Standard used (30ppt)	S/001/3

Salinity Standard (ppt)	Measured Salinity (ppt)	Difference %
30.0	30.2	0.66

Acceptance Criteria

Difference : <10 %

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

Checked by : _____ Approved by : _____

東業德勤測試顧問有限公司
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Performance Check of Turbidimeter

Equipment Ref. No. : ET/0505/008 Manufacturer : HACH

Model No. : 2100Q Serial No. : 10030 C 001191

Date of Calibration : 03/02/2012 Due Date : 02/05/2012

Gelex Vial Std	Theoretical Value (NTU)	Measured Value (NTU)	Difference %
0-10 NTU	5.65	5.45	3.54
10-100 NTU	52.5	53.0	0.95
100-1000 NTU	543	536	1.29

Acceptance Criteria

Difference : <5 %

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

Checked by : _____ Approved by : _____

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Performance Check of Turbidimeter

Equipment Ref. No. : ET/0505/008 Manufacturer : **HACH**

Model No. : 2100Q Serial No. : 10030 C 001191

Date of Calibration : 02/05/2012 Due Date : 01/08/2012

Gelex Vial Std	Theoretical Value (NTU)	Measured Value (NTU)	Difference %
0-10 NTU	5.68	5.45	4.22
10-100 NTU	52.3	53.0	1.32
100-1000 NTU	540	536	0.75

Acceptance Criteria

Difference : <5 %

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

Checked by : _____ Approved by : _____

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Performance Check of Turbidimeter

Equipment Ref. No. : ET/0505/008 Manufacturer : **HACH**

Model No. : 2100Q Serial No. : 10030 C 001191

Date of Calibration : 02/08/2012 Due Date : 01/11/2012

Gelex Vial Std	Theoretical Value (NTU)	Measured Value (NTU)	Difference %
0-10 NTU	5.70	5.62	1.41
10-100 NTU	52.1	52.7	1.15
100-1000 NTU	547	539	1.47

Acceptance Criteria

Difference : <5 %

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

Checked by : _____ Approved by : _____

APPENDIX B
BASELINE MONITORING SCHEDULES

Contract No. HY/2010/02 - Hong Kong-Zhuhai-Macao Bridge
Hong Kong Boundary Crossing Facilities – Reclamation Works
Baseline Water Quality Monitoring Schedule for April 2012 (TKO 137 Fill Bank)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1-Apr	2-Apr	3-Apr	4-Apr	5-Apr	6-Apr	7-Apr
8-Apr	9-Apr	10-Apr	11-Apr	12-Apr	13-Apr	14-Apr
15-Apr	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr
	Baseline Water Quality Monitoring Mid-ebb: 9:25 Mid-flood: 14:48		Baseline Water Quality Monitoring Mid-ebb: 10:50 Mid-flood: 16:44		Baseline Water Quality Monitoring Mid-ebb: 11:56 Mid-flood: 18:12	
22-Apr	23-Apr	24-Apr	25-Apr	26-Apr	27-Apr	28-Apr
	Baseline Water Quality Monitoring Mid-ebb: 13:28 Mid-flood: 20:06		Baseline Water Quality Monitoring Mid-flood: 6:48 Mid-ebb: 13:55		Baseline Water Quality Monitoring Mid-flood: 7:42 Mid-ebb: 15:22	
29-Apr	30-Apr					
	Baseline Water Quality Monitoring Mid-flood: 11:45 Mid-ebb: 19:16					

Contract No. HY/2010/02 - Hong Kong-Zhuhai-Macao Bridge
Hong Kong Boundary Crossing Facilities – Reclamation Works
Baseline Water Quality Monitoring Schedule for May 2012 (TKO 137 Fill Bank)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1-May	2-May	3-May	4-May	5-May
			Baseline Water Quality Monitoring Mid-ebb: 9:13 Mid-flood: 15:02		Baseline Water Quality Monitoring Mid-ebb: 10:43 Mid-flood: 17:11	
6-May	7-May	8-May	9-May	10-May	11-May	12-May
	Baseline Water Quality Monitoring Mid-ebb: 12:59 Mid-flood: 19:54		Baseline Water Quality Monitoring Mid-flood: 7:42 Mid-ebb: 14:40		Baseline Water Quality Monitoring Mid-flood: 9:15 Mid-ebb: 16:32	
13-May	14-May	15-May	16-May	17-May	18-May	19-May
	Baseline Water Quality Monitoring Mid-ebb: 7:40 Mid-flood: 13:01		Baseline Water Quality Monitoring Mid-ebb: 9:43 Mid-flood: 15:36		Baseline Water Quality Monitoring Mid-ebb: 11:00 Mid-flood: 17:21	
20-May	21-May	22-May	23-May	24-May	25-May	26-May
	Baseline Water Quality Monitoring Mid-ebb: 12:34 Mid-flood: 19:22		Baseline Water Quality Monitoring Mid-flood: 6:22 Mid-ebb: 13:33		Baseline Water Quality Monitoring Mid-flood: 6:53 Mid-ebb: 14:17	
27-May	28-May	29-May	30-May	31-May		
	Baseline Water Quality Monitoring Mid-flood: 9:40 Mid-ebb: 16:50		Baseline Water Quality Monitoring Mid-ebb: 7:35 Mid-flood: 13:23			

Contract No. HY/2010/02 - Hong Kong-Zhuhai-Macao Bridge
Hong Kong Boundary Crossing Facilities – Reclamation Works
Baseline Water Quality Monitoring Schedule for June 2012 (TKO 137 Fill Bank)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1-Jun	2-Jun
					Baseline Water Quality Monitoring Mid-ebb: 09:32 Mid-flood: 16:03	
3-Jun	4-Jun	5-Jun	6-Jun	7-Jun	8-Jun	9-Jun
	Baseline Water Quality Monitoring Mid-ebb: 11:56 Mid-flood: 19:01		Baseline Water Quality Monitoring Mid-ebb: 13:37 Mid-flood: 20:44		Baseline Water Quality Monitoring Mid-flood: 08:12 Mid-ebb: 15:14	
10-Jun	11-Jun	12-Jun	13-Jun	14-Jun	15-Jun	16-Jun
	Baseline Water Quality Monitoring Mid-flood: 10:54 Mid-ebb: 17:31		Baseline Water Quality Monitoring Mid-ebb: 08:15 Mid-flood: 14:01		Baseline Water Quality Monitoring Mid-ebb: 10:00 Mid-flood: 16:26	
17-Jun	18-Jun	19-Jun	20-Jun	21-Jun	22-Jun	23-Jun
	Baseline Water Quality Monitoring Mid-ebb: 11:40 Mid-flood: 18:41		Baseline Water Quality Monitoring Mid-ebb: 12:45 Mid-flood: 19:49		Baseline Water Quality Monitoring Mid-ebb: 13:58 Mid-flood: 21:00	
24-Jun	25-Jun	26-Jun	27-Jun	28-Jun	29-Jun	30-Jun
	Baseline Water Quality Monitoring Mid-flood: 09:09 Mid-ebb: 15:58		Baseline Water Quality Monitoring Mid-flood: 11:39 Mid-ebb: 18:00		Baseline Water Quality Monitoring Mid-ebb: 08:12 Mid-flood: 14:46	

Contract No. HY/2010/02 - Hong Kong-Zhuhai-Macao Bridge
Hong Kong Boundary Crossing Facilities – Reclamation Works
Baseline Water Quality Monitoring Schedule for July 2012 (TKO 137 Fill Bank)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1-Jul	2-Jul	3-Jul	4-Jul	5-Jul	6-Jul	7-Jul
			Baseline Water Quality Monitoring Mid-ebb: 12:35 Mid-flood: 19:43		Baseline Water Quality Monitoring Mid-flood: 07:14 Mid-ebb: 14:06	
8-Jul	9-Jul	10-Jul	11-Jul	12-Jul	13-Jul	14-Jul
	Baseline Water Quality Monitoring Mid-flood: 09:30 Mid-ebb: 15:58		Baseline Water Quality Monitoring Mid-flood: 11:23 Mid-ebb: 17:12		Baseline Water Quality Monitoring Mid-ebb: 08:48 Mid-flood: 15:16	
15-Jul	16-Jul	17-Jul	18-Jul	19-Jul	20-Jul	21-Jul
	Baseline Water Quality Monitoring Mid-ebb: 10:42 Mid-flood: 17:58		Baseline Water Quality Monitoring Mid-ebb: 11:50 Mid-flood: 18:57		Baseline Water Quality Monitoring Mid-ebb: 13:04 Mid-flood: 19:55	
22-Jul	23-Jul	24-Jul	25-Jul	26-Jul	27-Jul	28-Jul
	Baseline Water Quality Monitoring* Mid-flood: 08:26 Mid-ebb: 15:01		Baseline Water Quality Monitoring Mid-flood: 10:19 Mid-ebb: 16:33		Baseline Water Quality Monitoring Mid-flood: 13:12 Mid-ebb: 18:45	
29-Jul	30-Jul	31-Jul				
	Baseline Water Quality Monitoring Mid-ebb: 10:00 Mid-flood: 17:20					

* Monitoring was cancelled due to Typhoon Signal No.3 and No.8 hoisted by HKO.

Contract No. HY/2010/02 - Hong Kong-Zhuhai-Macao Bridge
Hong Kong Boundary Crossing Facilities – Reclamation Works
Baseline Water Quality Monitoring Schedule for August 2012 (TKO 137 Fill Bank)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1-Aug	2-Aug	3-Aug	4-Aug
			Baseline Water Quality Monitoring Mid-ebb: 11:35 Mid-flood: 18:42		Baseline Water Quality Monitoring Mid-ebb: 13:02 Mid-flood: 19:53	
5-Aug	6-Aug	7-Aug	8-Aug	9-Aug	10-Aug	11-Aug
	Baseline Water Quality Monitoring Mid-flood: 08:30 Mid-ebb: 14:50		Baseline Water Quality Monitoring Mid-flood: 9:57 Mid-ebb: 15:52		Baseline Water Quality Monitoring Mid-flood: 12:21 Mid-ebb: 17:10	
12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug
	Baseline Water Quality Monitoring Mid-ebb: 09:30 Mid-flood: 21:53		Baseline Water Quality Monitoring Mid-ebb: 10:47 Mid-flood: 18:00		Baseline Water Quality Monitoring Mid-ebb: 12:05 Mid-flood: 18:48	
19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	25-Aug
	Baseline Water Quality Monitoring Mid-flood: 07:38 Mid-ebb: 14:02		Baseline Water Quality Monitoring Mid-flood: 09:19 Mid-ebb: 15:26		Baseline Water Quality Monitoring Mid-flood: 11:38 Mid-ebb: 17:15	
26-Aug	27-Aug	28-Aug	29-Aug	30-Aug	31-Aug	
	Baseline Water Quality Monitoring Mid-ebb: 08:59 Mid-flood: 16:27		Baseline Water Quality Monitoring Mid-ebb: 10:36 Mid-flood: 17:40		Baseline Water Quality Monitoring Mid-ebb: 12:02 Mid-flood: 18:44	

Contract No. HY/2010/02 - Hong Kong-Zhuhai-Macao Bridge
Hong Kong Boundary Crossing Facilities – Reclamation Works
Baseline Water Quality Monitoring Schedule for September 2012 (TKO 137 Fill Bank)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1-Sep
2-Sep	3-Sep	4-Sep	5-Sep	6-Sep	7-Sep	8-Sep
	Baseline Water Quality Monitoring Mid-ebb: 13:48 Mid-flood: 20:06		Baseline Water Quality Monitoring Mid-flood: 08:57 Mid-ebb: 14:49		Baseline Water Quality Monitoring Mid-flood: 10:36 Mid-ebb: 15:48	
9-Sep	10-Sep	11-Sep	12-Sep	13-Sep	14-Sep	15-Sep
	Baseline Water Quality Monitoring Mid-ebb: 07:56 Mid-flood: 20:26		Baseline Water Quality Monitoring Mid-ebb: 09:32 Mid-flood: 16:57		Baseline Water Quality Monitoring Mid-ebb: 10:58 Mid-flood: 17:37	
16-Sep	17-Sep	18-Sep	19-Sep	20-Sep	21-Sep	22-Sep
	Baseline Water Quality Monitoring Mid-ebb: 13:02 Mid-flood: 19:05		Baseline Water Quality Monitoring Mid-flood: 08:24 Mid-ebb: 14:24		Baseline Water Quality Monitoring Mid-flood: 10:23 Mid-ebb: 16:00	
23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep
	Baseline Water Quality Monitoring Mid-flood: 15:02 Mid-ebb: 19:57		Baseline Water Quality Monitoring Mid-ebb: 09:27 Mid-flood: 19:31		Baseline Water Quality Monitoring Mid-ebb: 10:59 Mid-flood: 17:33	
30-Sep						

Contract No. HY/2010/02 - Hong Kong-Zhuhai-Macao Bridge
Hong Kong Boundary Crossing Facilities – Reclamation Works
Baseline Water Quality Monitoring Schedule for October 2012 (TKO 137 Fill Bank)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1-Oct	2-Oct	3-Oct	4-Oct	5-Oct	6-Oct
			Baseline Water Quality Monitoring Mid-ebb: 13:50 Mid-flood: 19:40		Baseline Water Quality Monitoring Mid-flood: 09:30 Mid-ebb: 14:45	
7-Oct	8-Oct	9-Oct	10-Oct	11-Oct	12-Oct	13-Oct
	Baseline Water Quality Monitoring Mid-ebb: 06:00 Mid-flood: 18:00		Baseline Water Quality Monitoring Mid-ebb: 07:51 Mid-flood: 15:35		Baseline Water Quality Monitoring Mid-ebb: 09:36 Mid-flood: 16:19	
14-Oct	15-Oct	16-Oct	17-Oct	18-Oct	19-Oct	20-Oct
	Baseline Water Quality Monitoring Mid-ebb: 11:57 Mid-flood: 17:50		Baseline Water Quality Monitoring Mid-ebb: 13:23 Mid-flood: 19:03		Baseline Water Quality Monitoring Mid-flood: 09:21 Mid-ebb: 14:55	
21-Oct	22-Oct	23-Oct	24-Oct	25-Oct	26-Oct	27-Oct
	Baseline Water Quality Monitoring Mid-flood: 13:03 Mid-ebb: 18:10		Baseline Water Quality Monitoring Mid-ebb: 07:57 Mid-flood: 15:05		Baseline Water Quality Monitoring Mid-ebb: 09:47 Mid-flood: 16:18	
28-Oct	29-Oct	30-Oct	31-Oct			
	Baseline Water Quality Monitoring Mid-ebb: 11:51 Mid-flood: 17:42		Baseline Water Quality Monitoring Mid-ebb: 12:53 Mid-flood: 18:28			

APPENDIX C
BASELINE WATER QUALITY MONITORING RESULTS AND THEIR GRAPHICAL PRESENTATION

Mid-Ebb Tide

Monitoring Station : C1a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
16-Apr-12	0925-0940	26/Cloudy	Calm	15.8	Surface	1.0	22.9	24.7	24.7	7.1	7.1	7.0	94.9	95.3	1.2	1.2	2.4	3.2	3.4	4.6
							22.9	24.7		7.1			95.6		1.3			3.6		
					Middle	7.9	22.2	26.2	26.2	6.8	6.8		91.3	91.1	2.5	2.4		4.8	4.6	
							22.2	26.2		6.8			90.8		2.4			4.4		
					Bottom	14.8	22.0	26.5	26.5	6.6	6.7	6.7	88.6	88.9	3.6	3.7		5.6	5.7	
							22.0	26.5		6.7			89.2		3.7			5.8		
18-Apr-12	1025-1040	22/Drizzle	Small Wave	15.6	Surface	1.0	22.6	24.6	24.6	7.0	7.0	6.9	93.9	94.1	1.3	1.3	2.2	3.8	3.9	4.4
							22.7	24.5		7.1			94.3		1.3			4.0		
					Middle	7.8	22.4	26.0	26.1	6.8	6.8		90.8	90.5	2.5	2.5		4.4	4.4	
							22.4	26.1		6.8			90.2		2.4			4.4		
					Bottom	14.6	22.1	26.7	26.7	6.5	6.6	6.6	86.9	87.3	2.8	2.8		5.0	5.0	
							22.1	26.6		6.6			87.7		2.9			5.0		
20-Apr-12	1210-1255	22/Rain	Great Wave	16.0	Surface	1.0	22.0	24.2	24.3	7.0	7.0	6.9	91.4	91.7	1.5	1.6	2.7	3.8	3.9	4.5
							22.1	24.3		7.0			91.9		1.6			4.0		
					Middle	8.0	22.0	26.0	26.1	6.7	6.7		88.0	88.3	2.8	2.8		4.0	4.1	
							22.0	26.1		6.8			88.6		2.8			4.2		
					Bottom	15.0	22.1	26.6	26.6	6.5	6.5	6.5	85.4	85.6	3.9	3.8		5.4	5.4	
							22.0	26.6		6.6			85.8		3.8			5.4		
23-Apr-12	1255-1310	25/Cloudy	Small Wave	15.8	Surface	1.0	22.4	25.8	25.8	6.9	6.9	6.8	92.3	92.0	2.9	3.0	3.2	4.0	4.0	4.3
							22.4	25.8		6.9			91.7		3.0			4.0		
					Middle	7.9	22.1	26.0	26.0	6.6	6.6		87.6	87.9	3.2	3.2		4.4	4.3	
							22.2	26.0		6.6			88.1		3.2			4.2		
					Bottom	14.8	22.0	26.1	26.2	6.6	6.6	6.6	86.9	87.1	3.6	3.6		4.8	4.7	
							22.1	26.2		6.6			87.3		3.5			4.6		
25-Apr-12	1335-1352	28/Cloudy	Calm	16.2	Surface	1.0	23.4	24.2	24.2	6.8	6.8	6.7	91.5	91.2	2.9	2.9	3.1	3.6	3.8	4.1
							23.5	24.2		6.8			90.9		2.9			4.0		
					Middle	8.1	23.5	26.1	26.2	6.6	6.6		88.9	88.7	3.1	3.1		4.0	4.1	
							23.5	26.2		6.6			88.5		3.1			4.2		
					Bottom	15.2	23.6	26.6	26.6	6.6	6.6	6.6	88.0	87.8	3.4	3.4		4.4	4.4	
							23.6	26.6		6.5			87.5		3.4			4.4		
27-Apr-12	1455-1511	25/Cloudy	Small Wave	15.8	Surface	1.0	23.7	25.3	25.3	7.3	7.3	7.2	99.1	99.3	1.4	1.5	1.9	2.4	2.6	3.1
							23.6	25.3		7.3			99.5		1.5			2.8		
					Middle	7.9	23.3	26.5	26.5	7.0	7.0		95.9	96.1	1.9	1.9		3.2	3.1	
							23.3	26.5		7.1			96.3		2.0			3.0		
					Bottom	14.8	23.0	27.4	27.4	7.2	7.2	7.2	98.1	97.8	2.4	2.4		3.6	3.7	
							23.1	27.4		7.1			97.5		2.5			3.8		
30-Apr-12	1827-1844	27/Cloudy	Calm	16.4	Surface	1.0	23.4	24.5	24.5	6.8	6.8	6.7	90.4	90.1	2.5	2.5	2.9	3.8	3.9	4.6
							23.5	24.5		6.8			89.8		2.5			4.0		
					Middle	8.2	23.3	26.3	26.3	6.6	6.6		88.2	87.8	3.0	3.0		4.8	4.8	
							23.4	26.3		6.6			87.4		3.0			4.8		
					Bottom	15.4	23.2	27.0	27.0	6.4	6.4	6.4	85.4	85.6	3.2	3.2		5.0	5.1	
							23.2	27.0		6.4			85.7		3.2			5.2		
2-May-12	0940-0955	29/Cloudy	Small Wave	15.8	Surface	1.0	25.4	25.9	25.9	7.4	7.4	7.3	104.8	104.6	1.4	1.4	2.0	2.6	2.7	3.2
							25.5	25.9		7.4			104.4		1.5			2.8		
					Middle	7.9	25.2	26.5	26.5	7.3	7.3		102.9	102.5	2.0	2.1		3.2	3.2	
							25.2	26.4		7.2			102.1		2.1			3.2		
					Bottom	14.8	24.9	27.7	27.8	7.0	7.0	7.0	99.1	98.8	2.5	2.6		3.6	3.7	
							24.9	27.8		7.0			98.4		2.6			3.8		

Mid-Ebb Tide

Monitoring Station : C1a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
4-May-12	0925-0940	28/Cloudy	Small Wave	15.6	Surface	1.0	26.7	25.8	25.8	6.4	6.4	6.3	92.0	91.8	2.7	2.8	3.4	3.6	3.8	4.4
							26.7	25.7		6.4			91.5		2.8			4.0		
					Middle	7.8	26.0	26.3	26.3	6.2	6.2		88.6	88.4	3.6	3.6		4.8	4.7	
							26.0	26.2		6.2			88.2		3.7			4.6		
					Bottom	14.6	26.0	26.4	26.4	6.1	6.1	6.1	86.6	86.3	3.8	3.8		4.8	4.7	
							26.0	26.4		6.1			85.9		3.7			4.6		
7-May-12	1155-1210	28/Fine	Small Wave	15.8	Surface	1.0	25.2	25.7	25.7	7.3	7.3	7.4	102.9	102.7	1.4	1.4	1.7	2.6	2.7	3.0
							25.3	25.7		7.3			102.4		1.5			2.8		
					Middle	7.9	25.1	26.6	26.7	7.5	7.5		104.4	104.8	1.8	1.8		3.2	3.2	
							25.1	26.7		7.5			105.2		1.8			3.2		
					Bottom	14.8	24.9	27.8	27.9	7.1	7.1	7.1	100.0	99.5	2.0	2.0		3.2	3.1	
							24.8	27.9		7.1			99.0		1.9			3.0		
9-May-12	1426-1433	32/Sunny	Calm	16.0	Surface	1.0	25.5	25.6	25.7	7.0	7.0	7.0	99.2	98.8	2.6	2.6	2.8	3.6	3.6	3.9
							25.6	25.7		7.0			98.4		2.6			3.6		
					Middle	8.0	25.4	25.9	26.0	6.9	6.9		97.4	97.7	2.8	2.8		4.0	4.0	
							25.5	26.0		7.0			97.9		2.8			4.0		
					Bottom	15.0	25.5	26.3	26.4	6.8	6.8	6.8	95.5	95.8	3.0	3.0		4.2	4.2	
							25.5	26.4		6.8			96.0		3.0			4.2		
11-May-12	1526-1541	29/Drizzle	Small Wave	15.6	Surface	1.0	26.3	25.3	25.3	7.4	7.3	7.3	103.9	103.7	1.6	1.7	1.9	2.8	3.0	3.0
							26.4	25.3		7.3			103.4		1.7			3.2		
					Middle	7.8	26.1	26.4	26.5	7.2	7.2		101.2	101.0	1.8	1.9		2.8	2.9	
							26.0	26.5		7.1			100.8		1.9			3.0		
					Bottom	14.6	25.8	27.5	27.5	7.1	7.1	7.1	100.0	99.7	2.0	2.0		3.2	3.1	
							25.8	27.5		7.0			99.3		2.0			3.0		
14-May-12	0825-0840	30/Cloudy	Small Wave	15.8	Surface	1.0	25.8	26.2	26.2	7.0	7.0	6.9	99.6	99.9	3.2	3.1	3.2	4.2	4.3	4.3
							25.8	26.1		7.1			100.1		3.1			4.4		
					Middle	7.9	25.6	27.8	27.8	6.7	6.7		94.4	94.7	3.1	3.0		4.0	4.0	
							25.7	27.8		6.7			95.0		3.0			4.0		
					Bottom	14.8	25.6	28.1	28.1	6.5	6.5	6.5	92.0	91.8	3.4	3.5		4.6	4.7	
							25.6	28.1		6.5			91.6		3.5			4.8		
16-May-12	0954-1009	27/Rainy	Great Wave	16.0	Surface	1.0	26.5	25.1	25.1	7.1	7.1	7.0	101.5	101.9	2.7	2.7	2.8	3.6	3.8	4.0
							26.5	25.1		7.1			102.2		2.7			4.0		
					Middle	8.0	26.3	26.2	26.2	7.0	7.0		100.5	100.1	2.8	2.9		4.0	4.1	
							26.2	26.1		6.9			99.7		2.9			4.2		
					Bottom	15.0	26.0	27.5	27.5	6.9	6.8	6.8	98.6	98.4	2.9	3.0		4.0	4.1	
							26.0	27.4		6.8			98.1		3.0			4.2		
18-May-12	1111-1128	26/Drizzle & Rainy	Small Wave	16.0	Surface	1.0	25.4	25.9	25.9	7.1	7.1	7.0	99.7	99.3	3.2	3.2	3.3	4.0	4.2	4.4
							25.4	25.9		7.1			98.9		3.3			4.4		
					Middle	8.0	25.4	26.4	26.4	6.9	6.9		97.2	96.9	3.1	3.2		4.4	4.3	
							25.3	26.4		6.9			96.6		3.2			4.2		
					Bottom	15.0	25.3	26.8	26.9	6.7	6.8	6.8	94.4	94.6	3.4	3.4		4.6	4.6	
							25.3	26.9		6.8			94.7		3.5			4.6		
21-May-12	1225-1240	28/Cloudy	Small Wave	15.8	Surface	1.0	26.7	25.9	25.9	6.2	6.2	6.0	87.7	87.5	2.9	2.9	3.5	3.8	3.9	4.6
							26.7	25.8		6.2			87.3		2.9			4.0		
					Middle	7.9	26.1	26.5	26.5	5.9	5.9		83.7	83.5	3.8	3.7		4.8	4.8	
							26.0	26.4		5.9			83.2		3.7			4.8		
					Bottom	14.8	26.0	26.8	26.9	5.8	5.8	5.8	82.4	82.2	3.9	3.8		5.2	5.1	
							25.9	26.9		5.8			82.0		3.8			5.0		

Mid-Ebb Tide

Monitoring Station : C1a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
23-May-12	1326-1343	26/Cloudy	Small Wave	16.2	Surface	1.0	25.3	25.7	25.8	7.0	7.1	7.0	99.1	99.4	2.2	2.3	2.4	3.4	3.5	3.7
							25.3	25.8		7.1			99.6		2.3			3.6		
					Middle	8.1	25.3	26.0	26.0	6.8	6.9		96.4	96.7	2.5	2.4		4.0	3.8	
							25.2	26.0		6.9			97.0		2.4			3.6		
					Bottom	15.2	25.1	26.1	26.2	6.8	6.8		95.2	95.4	2.6	2.6		4.0	3.9	
							25.2	26.2		6.8			95.6		2.6			3.8		
25-May-12	1325-1342	29/Cloudy	Small Wave	16.0	Surface	1.0	26.3	26.2	26.2	6.1	6.1	6.0	86.5	86.2	2.2	2.2	2.3	3.4	3.5	3.6
							26.4	26.2		6.1			85.9		2.2			3.6		
					Middle	8.0	26.4	26.5	26.6	5.9	5.9		84.1	84.3	2.5	2.5		4.0	3.9	
							26.4	26.6		6.0			84.5		2.5			3.8		
					Bottom	15.0	26.4	26.8	26.9	5.8	5.8		82.4	82.6	2.3	2.4		3.4	3.5	
							26.3	26.9		5.8			82.8		2.4			3.6		
28-May-12	1714-1730	26/Cloudy	Small Wave	16.2	Surface	1.0	26.4	25.1	25.1	6.3	6.3	6.2	89.2	88.9	3.2	3.2	3.3	4.4	4.6	4.6
							26.4	25.1		6.2			88.5		3.3			4.8		
					Middle	8.1	26.3	25.4	25.4	6.1	6.1		86.3	86.1	3.2	3.2		4.4	4.4	
							26.2	25.4		6.1			85.9		3.2			4.4		
					Bottom	15.2	26.2	25.6	25.6	5.8	5.9		82.9	83.2	3.3	3.4		4.6	4.7	
							26.2	25.5		5.9			83.5		3.4			4.8		
30-May-12	0805-0817	26/Cloudy	Small Wave	16.2	Surface	1.0	26.4	26.3	26.3	6.0	6.1	6.0	86.1	86.4	2.0	2.0	2.2	3.0	3.1	3.4
							26.4	26.2		6.1			86.6		2.1			3.2		
					Middle	8.1	26.4	26.6	26.7	6.0	6.0		85.2	84.9	2.3	2.3		3.6	3.6	
							26.3	26.7		5.9			84.5		2.3			3.6		
					Bottom	15.2	26.3	26.9	26.9	5.9	5.8		83.5	83.2	2.4	2.4		3.6	3.5	
							26.3	26.9		5.8			82.9		2.4			3.4		
1-Jun-12	0855-0910	29/Cloudy	Great Wave	15.6	Surface	1.0	26.8	25.8	25.8	6.7	6.7	6.6	96.8	96.6	2.8	2.8	3.0	3.8	3.9	4.2
							26.8	25.7		6.7			96.4		2.8			4.0		
					Middle	7.8	26.7	26.3	26.3	6.4	6.4		92.5	92.7	3.0	3.0		4.0	4.1	
							26.7	26.2		6.4			92.8		3.0			4.2		
					Bottom	14.6	26.7	26.3	26.3	6.4	6.4	6.4	92.1	92.3	3.2	3.2		4.6	4.5	
							26.6	26.3		6.4			92.4		3.2			4.4		
4-Jun-12	1158-1213	29/Cloudy	Small Wave	15.6	Surface	1.0	27.0	25.9	25.9	6.8	6.8	6.4	99.2	98.5	2.3	2.4	2.9	3.4	3.5	4.0
							27.0	25.9		6.7			97.8		2.4			3.6		
					Middle	7.8	26.8	26.4	26.4	6.1	6.1		89.0	89.1	2.9	3.0		4.0	4.1	
							26.9	26.3		6.1			89.2		3.1			4.2		
					Bottom	14.6	26.7	26.6	26.6	6.3	6.4	6.4	91.9	92.7	3.4	3.5		4.4	4.5	
							26.6	26.6		6.4			93.4		3.5			4.6		
6-Jun-12	1229-1245	29/Fine	Small Wave	15.8	Surface	1.0	27.1	25.8	25.9	6.5	6.5	6.4	94.9	95.1	2.6	2.6	3.1	3.8	3.7	4.2
							27.2	25.9		6.5			95.2		2.5			3.6		
					Middle	7.9	27.0	26.3	26.4	6.2	6.3		90.9	91.4	3.2	3.2		4.4	4.2	
							26.9	26.4		6.3			91.8		3.1			4.0		
					Bottom	14.8	26.8	26.5	26.6	6.1	6.2	6.2	89.3	89.8	3.7	3.7		4.6	4.7	
							26.8	26.6		6.2			90.3		3.6			4.8		
8-Jun-12	1400-1413	31/Fine	Calm	19.6	Surface	1.0	28.0	27.3	27.3	6.2	6.2	6.2	92.2	92.0	1.2	1.2	1.5	2.2	2.3	2.6
							28.0	27.3		6.2			91.7		1.3			2.4		
					Middle	9.8	27.8	27.3	27.3	6.2	6.2		90.9	90.8	1.5	1.5		2.8	2.8	
							27.9	27.3		6.1			90.6		1.6			2.8		
					Bottom	18.6	27.7	27.3	27.4	6.1	6.1	6.1	89.8	90.1	1.6	1.8		2.4	2.7	
							27.7	27.4		6.1			90.4		2.0			3.0		

Mid-Ebb Tide

Monitoring Station : C1a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
11-Jun-12	1625-1641	30/Cloudy	Calm	19.4	Surface	1.0	27.9	27.6	27.6	6.3	6.3	6.2	93.5	93.1	1.5	1.5	1.9	2.6	2.7	2.9
							28.0	27.5		6.2			92.6		1.5			2.8		
					Middle	9.7	28.0	27.6	27.6	6.1	6.1		91.0	91.2	1.8	1.8		2.8	2.8	
							28.0	27.6		6.1			91.4		1.8			2.8		
					Bottom	18.4	27.9	27.8	27.8	6.0	6.0	6.0	89.9	89.7	2.3	2.3		3.4	3.3	
							28.0	27.8		6.0			89.4		2.3			3.2		
13-Jun-12	0725-0740	29/Rainy	Small Wave	16.4	Surface	1.0	27.3	25.3	25.3	6.11	6.10	6.03	89.3	89.1	2.77	2.81	3.02	4.0	4.0	4.1
							27.3	25.3		6.08			88.9		2.84			4.0		
					Middle	8.2	26.9	26.7	26.7	5.94	5.96		86.7	87.0	3.12	3.08		4.2	4.1	
							27.0	26.6		5.97			87.2		3.04			4.0		
					Bottom	15.4	26.9	27.0	27.0	5.72	5.70	5.70	83.5	83.2	3.14	3.16		4.2	4.3	
							27.0	26.9		5.68			82.9		3.18			4.4		
15-Jun-12	0925-0943	28/Cloudy	Great Wave	19.6	Surface	1.0	27.7	27.2	27.3	6.2	6.2	6.2	91.6	91.4	1.2	1.3	1.5	2.4	2.6	2.8
							27.6	27.3		6.2			91.1		1.3			2.8		
					Middle	9.8	27.4	27.7	27.7	6.1	6.1		89.7	89.5	1.5	1.6		2.8	2.9	
							27.4	27.7		6.1			89.3		1.6			3.0		
					Bottom	18.6	27.2	27.9	27.9	6.0	6.0	6.0	87.6	87.4	1.7	1.7		2.8	2.9	
							27.2	27.9		5.9			87.2		1.7			3.0		
18-Jun-12	1055-1112	28/Cloudy	Great Wave	19.8	Surface	1.0	27.7	27.2	27.2	6.2	6.2	6.2	92.2	92.4	1.6	1.7	2.0	2.8	2.8	3.1
							27.7	27.2		6.3			92.6		1.7			2.8		
					Middle	9.9	27.7	27.6	27.7	6.1	6.1		90.4	90.1	2.0	2.0		2.8	2.9	
							27.6	27.7		6.1			89.8		2.0			3.0		
					Bottom	18.8	27.6	27.8	27.8	5.9	5.9	5.9	87.7	87.5	2.5	2.5		3.6	3.7	
							27.6	27.8		5.9			87.2		2.5			3.8		
20-Jun-12	1227-1245	30/Fine	Great Wave	19.6	Surface	1.0	27.6	27.2	27.2	6.3	6.3	6.2	92.8	92.5	1.2	1.2	1.5	2.2	2.3	2.6
							27.6	27.2		6.3			92.2		1.2			2.4		
					Middle	9.8	27.4	27.6	27.7	6.1	6.1		89.7	89.9	1.3	1.3		2.4	2.5	
							27.5	27.7		6.1			90.1		1.4			2.6		
					Bottom	18.6	27.1	28.2	28.2	5.9	6.0	6.0	87.3	87.5	2.1	2.1		3.0	3.1	
							27.1	28.2		6.0			87.7		2.1			3.2		
22-Jun-12	1325-1340	28/Drizzle	Small Wave	15.8	Surface	1.0	27.8	26.6	26.6	5.9	6.0	5.8	87.2	87.5	3.1	3.2	3.3	4.2	4.3	4.5
							27.8	26.5		6.0			87.8		3.2			4.4		
					Middle	7.9	27.5	26.8	26.8	5.7	5.7		84.1	83.9	3.4	3.4		4.8	4.6	
							27.4	26.7		5.7			83.6		3.4			4.4		
					Bottom	14.8	27.3	27.0	27.1	5.8	5.8	5.8	84.5	84.7	3.4	3.4		4.6	4.5	
							27.3	27.1		5.8			84.8		3.4			4.4		
25-Jun-12	1527-1543	29/Cloudy	Small Wave	16.0	Surface	1.0	28.2	26.5	26.5	5.7	5.7	5.7	84.3	83.9	3.2	3.2	3.4	4.4	4.4	4.6
							28.3	26.5		5.7			83.5		3.2			4.4		
					Middle	8.0	28.1	26.7	26.8	5.7	5.6		83.0	82.9	3.6	3.6		4.8	4.7	
							28.1	26.8		5.6			82.7		3.5			4.6		
					Bottom	15.0	28.0	27.0	27.0	5.6	5.6	5.6	82.5	82.2	3.5	3.5		4.6	4.7	
							28.0	26.9		5.6			81.8		3.6			4.8		
27-Jun-12	1740-1758	30/Fine	Small Wave	19.4	Surface	1.0	28.4	25.6	25.6	5.9	5.9	5.8	85.4	85.1	1.5	1.6	1.8	2.6	2.7	2.9
							28.4	25.5		5.8			84.7		1.6			2.8		
					Middle	9.7	28.3	25.5	25.5	5.8	5.8		84.1	83.8	1.4	1.4		2.4	2.5	
							28.2	25.5		5.8			83.5		1.5			2.6		
					Bottom	18.4	27.7	25.8	25.9	5.6	5.6	5.6	81.6	81.9	2.4	2.4		3.4	3.5	
							27.6	25.9		5.7			82.1		2.4			3.6		

Mid-Ebb Tide

Monitoring Station : C1a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
29-Jun-12	0812-0828	28/Fine	Small Wave	19.4	Surface	1.0	28.6	27.7	27.8	6.4	6.3	6.2	99.1	96.8	1.3	1.4	1.5	2.4	2.6	2.7
							28.6	27.8		6.3			94.5		1.4			2.8		
					Middle	9.7	28.3	28.2	28.2	6.2	6.1		91.8	91.6	1.2	1.2		2.4	2.4	
							28.2	28.1		6.1			91.3		1.2			2.4		
					Bottom	18.4	28.0	28.4	28.5	6.0	6.0	6.0	88.9	89.2	2.0	2.0		3.0	3.0	
							27.9	28.5		6.0			89.5		2.1			3.0		
4-Jul-12	1157-1214	32/Fine	Small Wave	19.2	Surface	1.0	28.1	27.4	27.5	6.2	6.2	6.1	91.5	91.2	1.6	1.6	1.7	2.4	2.6	2.8
							28.0	27.5		6.2			90.8		1.6			2.8		
					Middle	9.6	27.8	27.9	28.0	6.1	6.1		90.0	89.8	1.4	1.4		2.8	2.8	
							27.7	28.0		6.1			89.5		1.5			2.8		
					Bottom	18.2	27.5	28.1	28.1	5.9	5.8	5.8	86.5	86.3	2.0	1.9		3.0	2.9	
							27.6	28.0		5.8			86.0		1.9			2.8		
6-Jul-12	1410-1422	30/Cloudy	Calm	19.4	Surface	1.0	27.2	24.2	24.2	5.3	5.4	5.5	77.0	77.3	2.2	2.2	3.3	3.6	3.4	4.3
							27.2	24.2		5.4			77.6		2.2			3.2		
					Middle	9.7	27.1	24.3	24.3	5.6	5.6		81.0	80.8	2.1	2.2		3.2	3.3	
							27.1	24.3		5.6			80.6		2.3			3.4		
					Bottom	18.4	27.1	24.4	24.4	5.6	5.6	5.6	80.1	80.3	5.4	5.5		6.0	6.1	
							27.1	24.4		5.6			80.4		5.6			6.2		
9-Jul-12	1559-1617	32/Fine	Calm	18.0	Surface	1.0	28.0	24.8	24.9	5.6	5.6	5.6	82.2	81.9	2.3	2.4	3.2	3.4	3.5	4.1
							27.9	24.9		5.6			81.6		2.4			3.6		
					Middle	9.0	27.9	24.9	24.9	5.5	5.5		80.3	80.2	2.7	2.7		3.6	3.7	
							27.9	24.9		5.5			80.0		2.8			3.8		
					Bottom	17.0	27.7	25.0	25.0	5.4	5.3	5.3	78.3	78.0	4.4	4.4		5.0	5.1	
							27.8	25.0		5.3			77.7		4.4			5.2		
11-Jul-12	1628-1645	33/Fine	Small Wave	19.6	Surface	1.0	28.0	25.3	25.3	6.1	6.1	6.1	90.9	91.1	2.0	2.0	2.2	2.8	3.0	3.3
							28.1	25.2		6.2			91.3		2.1			3.2		
					Middle	9.8	27.7	25.7	25.7	6.0	6.0		88.8	89.0	2.2	2.2		3.2	3.3	
							27.8	25.7		6.0			89.2		2.2			3.4		
					Bottom	18.6	27.4	26.2	26.3	5.9	5.9	5.9	87.9	87.7	2.3	2.3		3.4	3.5	
							27.3	26.3		5.9			87.5		2.3			3.6		
13-Jul-12	0824-0841	29/Cloudy	Small Wave	19.2	Surface	1.0	28.1	24.2	24.3	5.7	5.7	5.6	83.6	83.2	2.7	2.8	3.0	3.8	3.9	4.1
							28.2	24.3		5.7			82.8		2.8			4.0		
					Middle	9.6	27.7	24.3	24.3	5.4	5.5		79.1	79.5	2.9	3.0		4.0	4.0	
							27.8	24.3		5.5			79.8		3.0			4.0		
					Bottom	18.2	27.6	24.6	24.7	5.4	5.4	5.4	78.3	78.1	3.2	3.2		4.4	4.3	
							27.5	24.7		5.3			77.8		3.2			4.2		
16-Jul-12	0954-1012	30/Fine	Calm	19.4	Surface	1.0	27.8	23.6	23.6	5.9	6.0	5.9	85.5	85.9	3.4	3.4	3.7	4.6	4.5	4.6
							27.9	23.6		6.0			86.2		3.4			4.4		
					Middle	9.7	27.8	23.8	23.9	5.8	5.8		83.5	83.2	3.6	3.6		4.4	4.5	
							27.8	23.9		5.8			82.9		3.7			4.6		
					Bottom	18.4	27.7	24.0	24.1	5.5	5.5	5.5	79.3	79.6	3.9	3.9		4.8	4.9	
							27.7	24.1		5.5			79.8		4.0			5.0		
18-Jul-12	1123-1140	28/Cloudy	Small Wave	19.0	Surface	1.0	27.9	23.5	23.5	6.0	6.1	6.0	88.1	88.5	3.1	3.2	3.3	4.2	4.3	4.4
							28.0	23.4		6.1			88.9		3.2			4.4		
					Middle	9.5	27.6	23.7	23.7	5.9	5.9		86.4	86.1	3.2	3.3		4.4	4.3	
							27.7	23.6		5.9			85.8		3.3			4.2		
					Bottom	18.0	27.3	24.0	24.0	5.6	5.6	5.6	82.1	81.9	3.6	3.6		4.6	4.6	
							27.4	23.9		5.6			81.7		3.6			4.6		

Mid-Ebb Tide

Monitoring Station : C1a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
20-Jul-12	1224-1241	32/Fine	Small Wave	19.2	Surface	1.0	28.4	23.7	23.8	6.0	6.1	6.0	88.1	88.4	3.3	3.3	3.5	4.2	4.3	4.5
							28.4	23.8		6.1			88.6		3.4			4.4		
					Middle	9.6	28.2	24.0	24.0	5.9	5.9		86.4	86.1	3.4	3.4		4.4	4.5	
							28.3	24.0		5.9			85.8		3.5			4.6		
					Bottom	18.2	28.0	24.3	24.4	6.0	6.0		87.0	87.2	3.6	3.6		4.6	4.7	
							27.9	24.4		6.0			87.3		3.6			4.8		
25-Jul-12	1647-1710	26/Rainy	Small Wave	19.8	Surface	1.0	26.6	29.1	29.2	5.6	5.6	5.6	79.2	79.5	2.6	2.6	2.9	3.4	3.5	3.9
							26.6	29.2		5.7			79.8		2.7			3.6		
					Middle	9.9	26.5	29.4	29.5	5.5	5.5		77.6	77.9	3.0	3.0		4.0	4.0	
							26.5	29.5		5.6			78.2		3.0			4.0		
					Bottom	18.8	26.4	29.8	29.8	5.3	5.3		74.8	75.0	3.1	3.1		4.2	4.3	
							26.4	29.8		5.3			75.1		3.2			4.4		
27-Jul-12	1756-1813	28/Rainy	Great Wave	19.6	Surface	1.0	26.5	25.3	25.3	6.0	6.1	6.0	86.9	87.1	3.5	3.5	3.7	4.6	4.7	4.8
							26.5	25.3		6.1			87.3		3.5			4.8		
					Middle	9.8	26.2	25.8	25.8	5.9	5.9		85.2	85.0	3.7	3.7		4.8	4.7	
							26.3	25.7		5.9			84.8		3.7			4.6		
					Bottom	18.6	26.0	26.1	26.1	5.8	5.8		83.2	83.5	3.9	3.9		4.8	4.9	
							26.0	26.1		5.8			83.7		3.9			5.0		
30-Jul-12	0925-0940	30/Sunny	Small Wave	15.8	Surface	1.0	27.5	29.9	29.9	5.8	5.8	5.7	85.4	85.1	3.5	3.5	3.7	4.6	4.5	4.7
							27.5	29.9		5.8			84.8		3.5			4.4		
					Middle	7.9	27.1	30.1	30.1	5.7	5.7		83.1	82.9	3.8	3.8		4.8	4.8	
							27.1	30.1		5.6			82.7		3.8			4.8		
					Bottom	14.8	27.1	30.3	30.3	5.6	5.6		82.1	81.9	3.7	3.6		4.8	4.7	
							27.1	30.3		5.6			81.7		3.6			4.6		
1-Aug-12	1126-1141	30/Fine	Small Wave	15.4	Surface	1.0	27.6	29.7	29.7	5.8	5.8	5.7	84.5	84.8	3.4	3.5	3.6	4.6	4.7	4.7
							27.7	29.7		5.8			85.1		3.5			4.8		
					Middle	7.7	27.5	29.8	29.9	5.6	5.6		82.5	82.8	3.6	3.6		4.4	4.5	
							27.5	29.9		5.7			83.0		3.6			4.6		
					Bottom	14.4	27.3	30.1	30.1	5.6	5.6		81.8	81.5	3.7	3.8		4.8	4.9	
							27.2	30.0		5.5			81.1		3.8			5.0		
3-Aug-12	1258-1315	33/Cloudy	Small Wave	15.6	Surface	1.0	28.1	29.6	29.6	5.9	5.9	5.9	87.6	87.8	3.5	3.5	3.7	4.4	4.6	4.8
							28.2	29.6		5.9			88.0		3.5			4.8		
					Middle	7.8	27.9	29.9	29.9	5.9	5.8		86.8	86.4	3.7	3.7		4.8	4.8	
							27.9	29.8		5.8			85.9		3.7			4.8		
					Bottom	14.6	27.6	30.2	30.2	5.7	5.7		84.6	84.8	3.8	3.8		5.0	5.0	
							27.7	30.2		5.7			84.9		3.8			5.0		
6-Aug-12	1342-1355	33/Cloudy	Small Wave	21.5	Surface	1.0	27.5	25.8	25.8	4.8	4.8	4.6	70.6	70.4	1.2	1.2	2.5	2.4	2.4	3.6
							27.4	25.8		4.8			70.1		1.2			2.4		
					Middle	10.8	26.7	26.2	26.2	4.4	4.4		63.5	63.3	1.9	2.0		3.2	3.2	
							26.8	26.1		4.4			63.0		2.0			3.2		
					Bottom	20.5	25.7	27.1	27.1	4.0	4.0		56.6	56.9	4.3	4.3		5.2	5.3	
							25.7	27.1		4.0			57.1		4.4			5.4		
8-Aug-12	1458-1514	33/Fine	Small Wave	18.6	Surface	1.0	27.7	26.4	26.4	5.6	5.7	5.6	81.8	82.1	2.5	2.5	2.7	3.6	3.6	3.8
							27.8	26.3		5.7			82.4		2.5			3.6		
					Middle	9.3	27.5	26.6	26.6	5.6	5.6		81.1	80.9	2.7	2.7		4.0	3.9	
							27.4	26.6		5.6			80.6		2.7			3.8		
					Bottom	17.6	27.3	27.0	27.1	5.5	5.5		80.3	80.0	2.9	2.9		4.0	3.9	
							27.3	27.1		5.5			79.7		2.9			3.8		

Mid-Ebb Tide

Monitoring Station : C1a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
10-Aug-12	1556-1613	33/Cloudy	Small Wave	18.6	Surface	1.0	28.3	26.3	26.4	5.8	5.8	5.7	85.4	85.1	2.6	2.6	2.8	3.6	3.8	3.8
							28.3	26.4		5.7			84.8		2.6			4.0		
					Middle	9.3	28.0	26.7	26.7	5.6	5.6		82.6	82.3	2.7	2.7		3.6	3.7	
							28.0	26.7		5.5			82.0		2.8			3.8		
					Bottom	17.6	27.8	27.0	27.0	5.3	5.4	5.4	78.9	79.2	2.9	2.9		3.8	3.9	
							27.7	27.0		5.4			79.5		2.9			4.0		
13-Aug-12	0928-0945	27/Cloudy	Small Wave	18.6	Surface	1.0	27.7	25.3	25.3	6.0	6.0	6.0	87.4	87.6	2.6	2.6	2.9	3.6	3.6	3.9
							27.7	25.3		6.1			87.7		2.6			3.6		
					Middle	9.3	27.5	25.7	25.8	5.9	5.9		85.8	85.6	2.9	2.9		4.0	4.0	
							27.5	25.8		5.9			85.4		3.0			4.0		
					Bottom	17.6	27.2	26.2	26.3	5.7	5.7	5.7	82.8	82.6	3.1	3.1		4.0	4.1	
							27.3	26.3		5.7			82.4		3.1			4.2		
15-Aug-12	1212-1230	31/Sunny	Calm	19.6	Surface	1.0	28.3	27.5	27.6	6.0	5.9	5.9	86.8	86.5	2.4	2.4	2.6	3.4	3.3	3.6
							28.2	27.6		5.9			86.2		2.3			3.2		
					Middle	9.8	28.2	27.6	27.6	5.9	5.8		85.4	84.9	2.6	2.6		3.6	3.6	
							28.2	27.6		5.8			84.3		2.6			3.6		
					Bottom	18.6	27.9	27.7	27.7	5.6	5.6	5.6	82.0	82.3	2.9	2.9		3.8	3.9	
							27.9	27.7		5.7			82.6		2.9			4.0		
17-Aug-12	1158-1215	29/Cloudy	Great Wave	19.4	Surface	1.0	27.7	26.8	26.9	6.1	6.1	6.0	87.7	88.1	2.6	2.5	2.6	3.6	3.6	3.7
							27.8	26.9		6.1			88.4		2.5			3.6		
					Middle	9.7	27.4	27.0	27.0	6.0	6.0		87.1	86.8	2.4	2.4		3.6	3.6	
							27.5	27.0		6.0			86.4		2.5			3.6		
					Bottom	18.4	27.3	27.2	27.2	5.8	5.9	5.9	84.6	85.0	2.8	2.8		3.8	3.9	
							27.2	27.1		5.9			85.4		2.8			4.0		
20-Aug-12	1343-1401	32/Fine	Small Wave	18.4	Surface	1.0	28.0	25.7	25.7	6.1	6.1	6.0	89.2	89.1	3.0	3.0	3.1	3.8	3.9	4.1
							28.0	25.7		6.1			88.9		3.0			4.0		
					Middle	9.2	27.7	26.1	26.1	5.9	5.9		86.6	86.3	3.1	3.1		4.4	4.2	
							27.7	26.1		5.9			86.0		3.2			4.0		
					Bottom	17.4	27.4	26.6	26.6	5.8	5.8	5.8	84.8	84.5	3.1	3.1		4.0	4.1	
							27.4	26.5		5.7			84.2		3.1			4.2		
22-Aug-12	1503-1520	32/Cloudy	Calm	19.2	Surface	1.0	28.0	29.4	29.5	5.5	5.6	5.5	79.7	80.1	2.9	2.9	3.1	3.8	4.1	4.1
							28.0	29.5		5.6			80.4		2.9			4.4		
					Middle	9.6	27.9	29.6	29.7	5.4	5.4		78.0	78.2	3.0	3.0		4.0	4.0	
							27.8	29.7		5.4			78.3		3.0			4.0		
					Bottom	18.2	27.7	30.0	30.0	5.2	5.2	5.2	75.3	74.9	3.3	3.3		4.4	4.3	
							27.7	30.0		5.2			74.5		3.3			4.2		
24-Aug-12	1624-1641	33/Fine	Small Wave	19.6	Surface	1.0	27.9	27.4	27.4	5.9	5.9	5.9	87.3	87.1	2.3	2.3	2.5	3.4	3.5	3.6
							27.9	27.3		5.9			86.9		2.4			3.6		
					Middle	9.8	27.6	27.8	27.8	5.8	5.8		85.6	85.4	2.5	2.5		3.6	3.6	
							27.5	27.8		5.8			85.1		2.5			3.6		
					Bottom	18.6	27.2	28.2	28.2	5.7	5.7	5.7	83.8	83.6	2.6	2.6		3.6	3.7	
							27.3	28.2		5.7			83.3		2.6			3.8		
27-Aug-12	0855-0912	29/Fine	Calm	18.4	Surface	1.0	27.7	27.2	27.2	6.1	6.0	6.0	88.9	88.6	2.2	2.3	2.4	3.2	3.2	3.5
							27.8	27.2		6.0			88.3		2.3			3.2		
					Middle	9.2	27.5	27.7	27.7	5.9	5.9		86.6	86.3	2.4	2.4		3.6	3.5	
							27.5	27.6		5.9			86.0		2.4			3.4		
					Bottom	17.4	27.3	28.2	28.2	5.8	5.7	5.7	84.7	84.4	2.5	2.5		3.6	3.7	
							27.2	28.2		5.7			84.1		2.6			3.8		

Mid-Ebb Tide

Monitoring Station : C1a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
29-Aug-12	1025-1042	29/Fine	Small Wave	18.0	Surface	1.0	28.1	27.3	27.3	6.0	6.0	5.9	88.7	88.4	2.2	2.2	2.3	3.2	3.4	3.5
							28.0	27.3		6.0			88.0		2.2			3.6		
					Middle	9.0	27.7	27.5	27.6	5.9	5.9		86.5	86.3	2.4	2.3		3.6	3.5	
							27.8	27.6		5.9			86.1		2.3			3.4		
					Bottom	17.0	27.6	27.8	27.8	5.7	5.4	5.4	84.5	84.2	2.4	2.5		3.6	3.5	
							27.5	27.7		5.0			83.9		2.5			3.4		
31-Aug-12	1246-1305	29/Fine	Calm	18.8	Surface	1.0	27.5	26.3	26.3	5.3	5.3	5.3	77.2	76.8	2.5	2.5	2.5	3.6	3.8	3.6
							27.5	26.3		5.3			76.4		2.5			4.0		
					Middle	9.4	27.4	26.5	26.6	5.2	5.2		75.3	75.7	2.2	2.2		3.2	3.2	
							27.4	26.6		5.2			76.0		2.3			3.2		
					Bottom	17.8	27.2	26.7	26.8	5.0	5.0	5.0	72.7	72.9	2.8	2.9		3.8	3.9	
							27.3	26.8		5.0			73.1		2.9			4.0		
3-Sep-12	1320-1332	32/Fine	Small Wave	19.0	Surface	1.0	29.0	24.7	24.8	6.9	7.0	6.0	102.9	103.2	2.1	2.1	3.0	2.8	3.0	3.9
							28.7	24.8		7.0			103.5		2.1			3.2		
					Middle	9.5	27.9	25.2	25.2	5.1	5.1		74.9	75.2	4.0	4.0		4.8	4.8	
							28.0	25.1		5.1			75.4		4.0			4.8		
					Bottom	18.0	27.8	25.2	25.3	4.8	4.8	4.8	70.6	70.3	2.9	2.9		3.8	3.9	
							27.7	25.3		4.7			69.9		2.9			4.0		
5-Sep-12	1425-1442	31/Fine	Small Wave	18.4	Surface	1.0	27.9	27.3	27.3	6.1	6.1	6.0	89.4	89.9	2.6	2.6	2.6	3.2	3.4	3.6
							27.9	27.3		6.1			90.3		2.6			3.6		
					Middle	9.2	27.6	27.7	27.7	5.9	5.9		87.2	86.9	2.4	2.5		3.6	3.6	
							27.6	27.7		5.9			86.6		2.5			3.6		
					Bottom	17.4	27.2	28.3	28.3	5.7	5.7	5.7	84.1	84.3	2.7	2.7		3.8	3.9	
							27.3	28.2		5.7			84.5		2.7			4.0		
7-Sep-12	1454-1511	30/Cloudy	Small Wave	18.2	Surface	1.0	27.5	27.3	27.4	6.0	6.1	6.0	88.9	89.2	2.7	2.7	2.7	3.8	3.7	3.7
							27.6	27.4		6.1			89.5		2.7			3.6		
					Middle	9.1	27.3	27.5	27.6	5.9	5.9		87.2	87.6	2.5	2.6		3.6	3.6	
							27.2	27.6		6.0			88.0		2.6			3.6		
					Bottom	17.2	27.1	28.0	28.1	5.8	5.8	5.8	85.5	85.2	2.9	2.9		4.0	3.9	
							27.1	28.1		5.8			84.8		2.9			3.8		
10-Sep-12	0810-0827	28/Fine	Small Wave	18.4	Surface	1.0	27.8	27.6	27.6	6.0	6.0	6.0	88.8	89.2	2.6	2.6	2.8	3.6	3.8	4.0
							27.7	27.6		6.1			89.5		2.6			4.0		
					Middle	9.2	27.4	27.9	28.0	5.9	5.9		87.2	87.0	2.8	2.9		4.4	4.2	
							27.4	28.0		5.9			86.7		2.9			4.0		
					Bottom	17.4	27.1	28.3	28.3	5.7	5.7	5.7	84.1	84.3	3.0	3.0		4.0	4.1	
							27.1	28.3		5.7			84.4		3.1			4.2		
12-Sep-12	0930-0947	29/Fine	Calm	19.2	Surface	1.0	27.6	26.8	26.8	6.5	6.5	6.3	94.4	94.1	2.7	2.7	3.0	3.6	3.8	4.1
							27.7	26.8		6.4			93.8		2.7			4.0		
					Middle	9.6	27.6	26.9	27.0	6.1	6.1		89.2	88.9	3.0	3.0		4.0	4.1	
							27.6	27.0		6.1			88.6		3.0			4.2		
					Bottom	18.2	27.4	27.1	27.2	5.8	5.8	5.8	85.1	85.4	3.1	3.2		4.2	4.3	
							27.5	27.2		5.9			85.6		3.2			4.4		
14-Sep-12	1145-1202	29/Fine	Small Wave	19.4	Surface	1.0	27.9	26.8	26.9	6.5	6.5	6.3	94.2	94.5	2.7	2.8	3.0	3.6	3.8	4.1
							27.8	26.9		6.5			94.8		2.8			4.0		
					Middle	9.7	27.7	27.1	27.1	6.2	6.2		90.8	90.5	3.0	3.0		4.0	4.1	
							27.7	27.1		6.2			90.2		3.0			4.2		
					Bottom	18.4	27.6	27.3	27.3	5.9	5.9	5.9	86.4	86.1	3.3	3.4		4.4	4.5	
							27.6	27.3		5.9			85.8		3.4			4.6		

Mid-Ebb Tide

Monitoring Station : C1a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
17-Sep-12	1254-1311	29/Fine	Small Wave	19.2	Surface	1.0	27.7	26.9	26.9	6.2	6.2	6.2	90.7	90.4	2.7	2.7	2.9	3.4	3.5	3.9
							27.7	26.9		6.2			90.1		2.7			3.6		
					Middle	9.6	27.6	27.0	27.1	6.1	6.1		89.5	89.3	2.9	2.9		4.0	4.0	
							27.5	27.1		6.1			89.0		2.9			4.0		
					Bottom	18.2	27.4	27.2	27.3	5.9	5.9	5.9	86.1	85.9	3.1	3.1		4.2	4.2	
							27.4	27.3		5.9			85.7		3.1			4.2		
19-Sep-12	1355-1412	28/Cloudy	Calm	19.0	Surface	1.0	26.6	26.7	26.8	6.4	6.4	6.3	93.3	93.1	2.9	2.9	3.2	3.8	3.9	4.3
							26.7	26.8		6.4			92.8		3.0			4.0		
					Middle	9.5	26.5	26.9	26.9	6.2	6.2		90.9	90.6	3.1	3.2		4.4	4.4	
							26.5	26.9		6.2			90.2		3.2			4.4		
					Bottom	18.0	26.3	27.0	27.1	5.9	5.9	5.9	86.7	86.4	3.5	3.5		4.6	4.7	
							26.4	27.1		5.9			86.0		3.5			4.8		
21-Sep-12	1525-1542	30/Cloudy	Small Wave	19.6	Surface	1.0	27.7	25.6	25.6	6.1	6.0	5.9	89.0	89.1	2.5	2.5	2.8	3.2	3.4	3.8
							27.8	25.6		6.0			89.2		2.6			3.6		
					Middle	9.8	27.5	26.0	26.0	5.9	5.9		86.3	86.0	2.7	2.7		4.0	3.8	
							27.4	26.0		5.8			85.7		2.8			3.6		
					Bottom	18.6	27.1	26.3	26.4	5.7	5.7	5.7	83.7	83.6	3.1	3.1		4.0	4.1	
							27.1	26.4		5.7			83.4		3.1			4.2		
24-Sep-12	1825-1842	28/Cloudy	Small Wave	18.4	Surface	1.0	27.5	26.5	26.5	6.3	6.3	6.2	91.5	92.0	2.6	2.6	2.8	3.6	3.8	4.0
							27.6	26.4		6.3			92.5		2.6			4.0		
					Middle	9.2	27.2	26.9	26.9	6.1	6.1		89.2	88.9	2.9	2.9		4.0	4.0	
							27.3	26.9		6.0			88.6		2.9			4.0		
					Bottom	17.4	27.0	27.2	27.2	5.8	5.8	5.8	85.1	85.5	3.0	3.1		4.0	4.1	
							26.9	27.2		5.8			85.8		3.1			4.2		
26-Sep-12	0925-0943	28/Cloudy	Small Wave	18.6	Surface	1.0	27.5	26.3	26.4	6.2	6.2	6.1	91.0	90.8	2.7	2.7	2.9	3.6	3.8	4.0
							27.6	26.4		6.2			90.6		2.7			4.0		
					Middle	9.3	27.3	26.8	26.8	6.1	6.1		89.7	89.5	2.8	2.9		4.0	4.0	
							27.2	26.7		6.1			89.2		2.9			4.0		
					Bottom	17.6	27.0	27.2	27.2	5.9	5.9	5.9	86.9	86.6	3.3	3.2		4.2	4.1	
							27.0	27.1		5.9			86.2		3.2			4.0		
28-Sep-12	1025-1040	29/Sunny	Small Wave	16.2	Surface	1.0	27.7	26.5	26.5	5.8	5.8	5.7	85.9	85.8	3.1	3.1	3.5	4.2	4.1	4.5
							27.7	26.5		5.8			85.6		3.1			4.0		
					Middle	8.1	27.3	26.9	27.0	5.6	5.6		83.3	83.0	3.7	3.7		4.8	4.8	
							27.3	27.0		5.6			82.7		3.6			4.8		
					Bottom	15.2	27.2	26.9	26.9	5.6	5.6	5.6	82.5	82.2	3.8	3.7		4.6	4.6	
							27.2	26.9		5.6			81.9		3.7			4.6		
3-Oct-12	1325-1343	29/Fine	Small Wave	18.8	Surface	1.0	27.5	27.7	27.8	5.9	5.9	5.8	86.3	86.5	2.2	2.2	2.5	3.0	3.1	3.5
							27.6	27.8		5.9			86.7		2.2			3.2		
					Middle	9.4	27.4	27.9	28.0	5.7	5.7		84.2	84.0	2.5	2.5		3.6	3.6	
							27.4	28.0		5.7			83.8		2.5			3.6		
					Bottom	17.8	27.3	28.2	28.2	5.5	5.6	5.6	81.6	81.9	2.7	2.7		3.8	3.8	
							27.2	28.1		5.6			82.1		2.8			3.8		
5-Oct-12	1445-1502	28/Fine	Small Wave	18.6	Surface	1.0	27.7	27.8	27.8	5.9	5.8	5.8	86.2	85.9	2.2	2.2	2.4	3.0	3.1	3.5
							27.8	27.7		5.8			85.6		2.3			3.2		
					Middle	9.3	27.5	27.9	28.0	5.7	5.7		83.9	83.6	2.4	2.4		3.6	3.6	
							27.5	28.0		5.7			83.3		2.5			3.6		
					Bottom	17.6	27.3	28.2	28.2	5.5	5.5	5.5	81.4	81.2	2.7	2.7		3.8	3.8	
							27.2	28.1		5.5			80.9		2.7			3.8		

Mid-Ebb Tide

Monitoring Station : C1a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
8-Oct-12	0639-0656	26/Cloudy	Small Wave	18.4	Surface	1.0	27.5	26.7	26.8	5.7	5.6	5.6	82.9	82.6	3.0	3.0	3.1	3.6	3.8	4.1
							27.4	26.8		5.6			82.3		3.0			4.0		
					Middle	9.2	27.4	26.9	26.9	5.6	5.6		82.0	81.7	3.1	3.1		4.4	4.2	
							27.3	26.9		5.6			81.3		3.1			4.0		
					Bottom	17.4	27.2	27.1	27.1	5.5	5.5	5.5	80.2	80.4	3.3	3.3		4.2	4.3	
							27.2	27.0		5.5			80.6		3.3			4.4		
10-Oct-12	0755-0812	25/Fine	Small Wave	18.2	Surface	1.0	27.4	26.6	26.6	5.6	5.7	5.6	82.5	82.9	3.1	3.1	3.2	4.0	4.2	4.4
							27.3	26.6		5.7			83.3		3.1			4.4		
					Middle	9.1	27.3	26.8	26.8	5.6	5.6		82.2	81.9	3.2	3.2		4.4	4.4	
							27.2	26.7		5.6			81.5		3.2			4.4		
					Bottom	17.2	27.1	27.0	27.0	5.5	5.5	5.5	79.9	80.1	3.4	3.4		4.4	4.5	
							27.0	26.9		5.5			80.3		3.4			4.6		
12-Oct-12	0856-0914	27/Fine	Small Wave	18.7	Surface	1.0	27.5	26.8	26.8	5.6	5.5	5.4	82.0	81.4	3.2	3.2	3.3	4.0	4.2	4.3
							27.4	26.8		5.5			80.8		3.3			4.4		
					Middle	9.4	27.4	26.9	26.9	5.3	5.3		77.3	77.2	3.4	3.4		4.4	4.5	
							27.4	26.9		5.2			77.0		3.4			4.6		
					Bottom	17.7	27.3	26.9	27.0	5.1	5.1	5.1	74.7	74.5	3.4	3.4		4.2	4.3	
							27.3	27.0		5.1			74.2		3.4			4.4		
15-Oct-12	1125-1142	30/Fine	Small Wave	18.4	Surface	1.0	27.6	26.4	26.5	5.7	5.6	5.6	83.1	82.7	3.1	3.0	3.2	4.0	4.2	4.2
							27.5	26.5		5.6			82.3		3.0			4.4		
					Middle	9.2	27.4	26.6	26.6	5.5	5.5		81.0	80.8	3.2	3.1		4.4	4.2	
							27.4	26.5		5.5			80.6		3.1			4.0		
					Bottom	17.4	27.3	26.8	26.8	5.7	5.7	5.7	83.7	84.0	3.3	3.3		4.2	4.3	
							27.2	26.7		5.8			84.2		3.3			4.4		
17-Oct-12	1255-1311	28/Cloudy	Great Wave	19.0	Surface	1.0	27.2	26.6	26.6	5.4	5.4	5.4	79.2	79.5	2.6	2.7	2.7	3.8	3.9	3.8
							27.2	26.6		5.5			79.8		2.7			4.0		
					Middle	9.5	27.2	26.7	26.7	5.3	5.4		77.9	78.2	2.5	2.5		3.6	3.5	
							27.1	26.7		5.4			78.5		2.5			3.4		
					Bottom	18.0	27.1	26.7	26.8	5.5	5.5	5.5	79.7	80.0	2.8	2.8		4.0	3.9	
							27.1	26.8		5.5			80.3		2.9			3.8		
19-Oct-12	1416-1432	26/Fine	Small Wave	18.9	Surface	1.0	26.7	26.7	26.7	5.6	5.6	5.7	80.6	80.9	4.2	4.2	3.9	5.2	5.2	4.8
							26.7	26.7		5.6			81.1		4.2			5.2		
					Middle	9.5	26.6	26.9	26.9	5.9	5.9		85.5	85.7	4.0	3.9		4.8	4.7	
							26.6	26.9		5.9			85.9		3.9			4.6		
					Bottom	17.9	26.6	26.9	26.9	6.0	6.1	6.1	87.5	87.8	3.5	3.6		4.4	4.5	
							26.6	26.9		6.1			88.0		3.6			4.6		
22-Oct-12	1725-1742	27/Fine	Small Wave	19.6	Surface	1.0	26.8	26.4	26.5	5.8	5.8	5.8	85.4	85.6	3.7	3.8	3.9	4.6	4.7	4.9
							26.9	26.5		5.8			85.8		3.8			4.8		
					Middle	9.8	26.6	26.7	26.7	5.8	5.7		84.5	84.2	3.9	3.9		5.2	5.0	
							26.7	26.7		5.7			83.9		4.0			4.8		
					Bottom	18.6	26.5	26.9	26.9	5.6	5.6	5.6	82.3	82.6	4.0	4.0		4.8	4.9	
							26.4	26.9		5.6			82.9		4.1			5.0		
24-Oct-12	0754-811	24/Fine	Small Wave	19.6	Surface	1.0	26.6	26.3	26.3	5.7	5.7	5.8	83.3	83.6	3.8	3.8	3.9	4.4	4.6	5.0
							26.6	26.3		5.8			83.9		3.9			4.8		
					Middle	9.8	26.4	26.5	26.6	5.9	5.9		85.2	85.4	3.9	4.0		5.2	5.2	
							26.4	26.6		5.9			85.5		4.0			5.2		
					Bottom	18.6	26.2	26.8	26.9	5.6	5.6	5.6	82.1	82.0	4.0	4.1		5.0	5.1	
							26.3	26.9		5.6			81.8		4.1			5.2		

Mid-Ebb Tide

Monitoring Station : C1a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
26-Oct-12	0922-0939	25/Cloudy	Small Wave	18.8	Surface	1.0	26.6	26.7	26.7	5.6	5.6	5.6	81.4	81.3	4.1	4.1	4.1	5.0	5.1	5.1
							26.6	26.6		5.6			81.2		4.2			5.2		
					Middle	9.4	26.5	26.8	26.8	5.6	5.6		81.1	80.9	4.1	4.1		4.8	4.8	
							26.6	26.7		5.6			80.6		4.1			4.8		
					Bottom	17.8	26.6	26.8	26.8	5.5	5.5	5.5	80.0	80.4	4.2	4.2		5.4	5.3	
							26.6	26.8		5.6			80.8		4.2			5.2		
29-Oct-12	1122-1139	29/Cloudy	Small Wave	18.6	Surface	1.0	26.4	26.7	26.8	5.6	5.6	5.6	81.2	81.1	4.2	4.2	4.2	5.0	5.1	5.2
							26.3	26.8		5.6			80.9		4.2			5.2		
					Middle	9.3	26.3	26.8	26.8	5.6	5.6		80.8	80.6	4.1	4.1		5.2	5.2	
							26.2	26.8		5.5			80.3		4.1			5.2		
					Bottom	17.6	26.2	26.9	26.9	5.5	5.5	5.5	79.9	79.8	4.3	4.2		5.4	5.3	
							26.1	26.9		5.5			79.6		4.2			5.2		
31-Oct-12	1222-1239	31/Cloudy	Small Wave	18.7	Surface	1.0	26.3	26.4	26.5	5.6	5.6	5.6	81.3	81.2	4.1	4.2	4.2	5.2	5.4	5.3
							26.3	26.5		5.6			81.1		4.2			5.6		
					Middle	9.4	26.2	26.5	26.6	5.6	5.6		80.9	80.7	4.1	4.1		5.2	5.2	
							26.1	26.6		5.6			80.5		4.1			5.2		
					Bottom	17.7	26.0	26.7	26.8	5.5	5.5	5.5	79.9	80.3	4.2	4.2		5.4	5.3	
							26.0	26.8		5.6			80.6		4.2			5.2		

Mid-Flood Tide

Monitoring Station : C1a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
16-Apr-12	1426-1441	28/Cloudy	Calm	16.2	Surface	1.0	22.9	24.7	24.8	7.35	7.37	7.19	98.9	99.1	1.28	1.26	2.22	3.2	3.1	4.1
							23.0	24.8		7.38			99.3		1.24			3.0		
					Middle	8.1	22.6	26.3	26.3	7.01	7.02		94.4	94.5	2.13	2.17		4.0	4.1	
							22.7	26.2		7.03			94.6		2.20			4.2		
					Bottom	15.2	22.5	26.4	26.5	6.89	6.91	6.91	92.7	93.0	3.25	3.23		5.2	5.2	
							22.5	26.5		6.93			93.3		3.21			5.2		
18-Apr-12	1624-1639	22/Cloudy	Small Wave	16.4	Surface	1.0	22.7	24.5	24.5	7.11	7.15	7.02	95.2	97.8	1.38	1.41	2.18	3.6	3.5	4.2
							22.7	24.5		7.18			100.4		1.43			3.4		
					Middle	8.2	22.4	26.1	26.1	6.93	6.90		92.4	92.1	2.35	2.37		4.4	4.5	
							22.5	26.0		6.87			91.7		2.39			4.6		
					Bottom	15.4	22.1	26.7	26.8	6.40	6.42	6.42	85.3	85.6	2.74	2.76		4.8	4.7	
							22.2	26.8		6.44			85.8		2.78			4.6		
20-Apr-12	1810-1828	22/Rain	Small Wave	16.4	Surface	1.0	22.0	24.1	24.1	7.09	7.11	6.98	92.9	93.2	1.62	1.58	2.59	3.6	3.6	4.2
							21.9	24.1		7.13			93.4		1.53			3.6		
					Middle	8.2	21.9	25.9	26.0	6.83	6.85		89.5	89.7	2.60	2.63		3.8	3.8	
							21.9	26.0		6.86			89.9		2.66			3.8		
					Bottom	15.4	21.8	26.5	26.5	6.61	6.64	6.64	86.6	87.0	3.54	3.57		5.2	5.3	
							21.9	26.5		6.67			87.4		3.60			5.4		
23-Apr-12	1910-1925	25/Cloudy	Small Wave	16.4	Surface	1.0	22.7	25.8	25.8	6.84	6.82	6.71	90.8	90.6	2.79	2.75	3.12	4.0	3.9	4.2
							22.7	25.8		6.80			90.3		2.71			3.8		
					Middle	8.2	22.4	26.3	26.4	6.61	6.59		87.7	87.5	3.10	3.08		4.2	4.1	
							22.3	26.4		6.57			87.2		3.06			4.0		
					Bottom	15.4	22.2	26.2	26.3	6.48	6.46	6.46	85.9	85.7	3.51	3.54		4.4	4.5	
							22.1	26.3		6.44			85.4		3.57			4.6		
25-Apr-12	0654-0710	27/Cloudy	Calm	16.6	Surface	1.0	23.6	24.1	24.2	6.92	6.94	6.86	92.7	93.0	2.66	2.68	3.00	4.0	4.0	4.3
							23.5	24.2		6.96			93.3		2.70			4.0		
					Middle	8.3	23.5	26.1	26.1	6.80	6.79		91.1	90.9	3.01	3.03		4.2	4.3	
							23.5	26.0		6.77			90.7		3.04			4.4		
					Bottom	15.6	23.6	26.6	26.6	6.71	6.68	6.68	89.9	89.5	3.28	3.31		4.4	4.5	
							23.5	26.6		6.65			89.1		3.33			4.6		
27-Apr-12	0825-0838	23/Cloudy	Small Wave	16.4	Surface	1.0	23.5	25.4	25.4	7.36	7.38	7.28	100.1	100.3	1.33	1.35	2.06	2.4	2.5	3.2
							23.5	25.3		7.39			100.5		1.37			2.6		
					Middle	8.2	23.3	26.6	26.6	7.20	7.18		98.2	97.9	2.10	2.13		3.0	3.1	
							23.2	26.5		7.15			97.5		2.15			3.2		
					Bottom	15.4	23.0	27.5	27.5	7.02	6.98	6.98	95.9	95.4	2.68	2.71		3.8	3.9	
							23.0	27.4		6.94			94.8		2.73			4.0		
30-Apr-12	1127-1143	28/Cloudy	Calm	16.8	Surface	1.0	23.5	24.4	24.4	6.89	6.87	6.81	91.6	91.3	2.36	2.38	2.80	4.0	4.1	4.4
							23.5	24.3		6.84			90.9		2.40			4.2		
					Middle	8.4	23.4	26.2	26.3	6.78	6.76		90.2	89.9	2.89	2.92		4.0	4.1	
							23.4	26.3		6.73			89.5		2.95			4.2		
					Bottom	15.8	23.4	27.0	27.0	6.67	6.64	6.64	88.7	88.3	3.07	3.09		5.0	5.0	
							23.3	26.9		6.60			87.8		3.11			5.0		
2-May-12	1354-1409	31/Sunny	Small Wave	16.6	Surface	1.0	25.7	25.9	26.0	7.47	7.46	7.38	106.2	106.0	1.53	1.55	2.13	2.8	2.9	3.4
							25.7	26.0		7.44			105.8		1.56			3.0		
					Middle	8.3	25.4	26.5	26.5	7.32	7.30		103.3	103.0	2.14	2.16		3.4	3.5	
							25.3	26.5		7.27			102.6		2.17			3.6		
					Bottom	15.6	25.0	27.8	27.8	6.93	6.91	6.91	97.9	97.6	2.66	2.68		3.8	3.9	
							25.1	27.7		6.89			97.3		2.69			4.0		

Mid-Flood Tide

Monitoring Station : C1a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
4-May-12	1555-1610	28/Cloudy	Small Wave	16.4	Surface	1.0	26.8	25.7	25.7	6.60	6.62	6.47	94.3	94.6	2.42	2.40	3.05	4.0	3.8	4.2
							26.8	25.6		6.63			94.8		2.38			3.6		
					Middle	8.2	26.4	26.2	26.2	6.30	6.32		90.0	90.3	3.12	3.11		4.2	4.2	
							26.4	26.2		6.33			90.5		3.10			4.2		
					Bottom	15.4	26.2	26.5	26.5	6.18	6.17	6.17	88.3	88.1	3.60	3.64		4.6	4.7	
							26.2	26.4		6.15			87.9		3.67			4.8		
7-May-12	1823-1838	28/Fine	Small Wave	16.4	Surface	1.0	25.4	25.7	25.8	7.41	7.39	7.33	104.0	103.7	1.51	1.54	1.81	2.8	2.8	3.1
							25.4	25.8		7.37			103.4		1.56			2.8		
					Middle	8.2	25.2	26.7	26.7	7.24	7.26		101.5	101.8	1.83	1.86		3.0	3.1	
							25.1	26.7		7.28			102.1		1.88			3.2		
					Bottom	15.4	24.9	27.9	27.9	7.02	7.04	7.04	98.4	98.7	2.02	2.04		3.2	3.3	
							25.0	27.9		7.06			99.0		2.06			3.4		
9-May-12	0840-0857	28/Fine	Calm	16.6	Surface	1.0	25.0	25.5	25.5	7.11	7.13	7.08	99.5	99.7	2.68	2.71	2.84	4.0	3.9	4.0
							25.1	25.5		7.14			99.9		2.73			3.8		
					Middle	8.3	25.0	25.8	25.9	7.05	7.03		98.7	98.4	2.84	2.87		4.0	4.0	
							25.0	25.9		7.00			98.0		2.89			4.0		
					Bottom	15.6	24.9	26.1	26.2	6.92	6.94	6.94	96.9	97.2	2.93	2.94		4.2	4.1	
							25.0	26.2		6.96			97.4		2.95			4.0		
11-May-12	0925-0940	26/Cloudy	Small Wave	16.2	Surface	1.0	26.2	25.4	25.4	7.40	7.43	7.34	104.3	104.8	1.60	1.59	1.83	2.8	2.7	2.9
							26.3	25.4		7.46			105.2		1.57			2.6		
					Middle	8.1	26.0	26.6	26.6	7.28	7.26		102.7	102.4	1.80	1.83		2.8	2.9	
							26.0	26.5		7.23			102.0		1.86			3.0		
					Bottom	15.2	25.8	27.5	27.6	7.11	7.09	7.09	100.4	100.1	2.04	2.06		3.0	3.1	
							25.7	27.6		7.07			99.8		2.08			3.2		
14-May-12	1255-1310	30/Cloudy	Small Wave	16.4	Surface	1.0	26.3	26.3	26.4	7.22	7.24	7.06	102.5	102.7	2.92	2.95	3.18	4.0	4.0	4.3
							26.3	26.4		7.25			102.9		2.97			4.0		
					Middle	8.2	25.7	27.9	27.9	6.89	6.88		97.8	97.6	3.06	3.08		4.0	4.1	
							25.7	27.9		6.86			97.4		3.09			4.2		
					Bottom	15.4	25.6	28.1	28.1	6.81	6.79	6.79	96.7	96.4	3.50	3.53		4.6	4.8	
							25.6	28.0		6.77			96.1		3.55			5.0		
16-May-12	1425-1440	27/Cloudy	Small Wave	16.6	Surface	1.0	26.6	25.1	25.1	7.15	7.17	7.22	103.1	103.3	2.58	2.61	2.77	3.6	3.7	3.9
							26.7	25.1		7.18			103.5		2.63			3.8		
					Middle	8.3	26.4	26.0	26.1	7.26	7.28		104.5	104.8	2.77	2.79		3.8	3.9	
							26.4	26.1		7.30			105.1		2.81			4.0		
					Bottom	15.6	26.1	27.5	27.5	7.01	6.99	6.99	100.8	100.5	2.91	2.92		4.0	4.0	
							26.1	27.4		6.96			100.1		2.93			4.0		
18-May-12	1654-1710	25/Drizzle	Small Wave	16.4	Surface	1.0	25.2	25.8	25.9	7.08	7.11	6.98	99.1	99.6	3.30	3.33	3.36	4.4	4.4	4.4
							25.3	25.9		7.14			100.0		3.35			4.4		
					Middle	8.2	25.2	26.2	26.3	6.83	6.84		95.6	95.8	3.22	3.24		4.0	4.1	
							25.2	26.3		6.85			95.9		3.25			4.2		
					Bottom	15.4	25.2	26.9	27.0	6.70	6.68	6.68	93.8	93.5	3.51	3.53		4.6	4.6	
							25.3	27.0		6.66			93.2		3.54			4.6		
21-May-12	1755-1810	28/Cloudy	Small Wave	16.4	Surface	1.0	26.4	25.7	25.7	6.32	6.30	6.18	89.7	89.4	2.62	2.66	3.36	4.0	3.9	4.5
							26.4	25.7		6.28			89.1		2.70			3.8		
					Middle	8.2	26.0	26.4	26.4	6.04	6.06		85.7	85.9	3.63	3.60		4.8	4.7	
							26.1	26.4		6.07			86.1		3.57			4.6		
					Bottom	15.4	25.9	26.9	27.0	5.91	5.93	5.93	83.6	83.8	3.80	3.83		5.0	5.0	
							25.9	27.0		5.94			84.0		3.85			5.0		

Mid-Flood Tide

Monitoring Station : C1a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
23-May-12	2000-2017	27/Cloudy	Small Wave	16.8	Surface	1.0	25.2	25.8	25.8	7.01	6.98	6.89	98.8	98.4	2.03	2.05	2.25	3.2	3.2	3.5
							25.3	25.8		6.95			97.9		2.07			3.2		
					Middle	8.4	25.2	26.0	26.1	6.82	6.80		96.2	95.8	2.24	2.27		3.4	3.5	
							25.2	26.1		6.77			95.4		2.30			3.6		
					Bottom	15.8	25.2	26.2	26.2	6.62	6.64	6.64	93.3	93.6	2.42	2.44		3.6	3.7	
							25.1	26.2		6.66			93.9		2.46			3.8		
25-May-12	0654-0712	26/Cloudy	Calm	16.6	Surface	1.0	26.5	26.4	26.4	6.20	6.18	6.11	88.0	87.1	2.05	2.02	2.23	3.6	3.3	3.6
							26.5	26.3		6.16			86.2		1.99			3.0		
					Middle	8.3	26.4	26.6	26.7	6.07	6.05		85.0	84.7	2.22	2.25		3.6	3.6	
							26.5	26.7		6.02			84.3		2.28			3.6		
					Bottom	15.6	26.3	26.9	26.9	5.98	5.97	5.97	84.9	84.8	2.40	2.43		3.8	3.8	
							26.4	26.9		5.96			84.6		2.45			3.8		
28-May-12	1032-1050	26/Cloudy	Small Wave	16.8	Surface	1.0	26.2	25.2	25.2	6.40	6.39	6.30	90.9	90.7	3.09	3.11	3.12	4.0	4.1	4.2
							26.3	25.2		6.37			90.5		3.12			4.2		
					Middle	8.4	26.2	25.4	25.5	6.19	6.22		87.9	88.3	3.01	2.99		4.0	3.9	
							26.2	25.5		6.25			88.7		2.97			3.8		
					Bottom	15.0	26.2	25.7	25.7	6.06	6.08	6.08	86.1	86.3	3.24	3.26		4.4	4.5	
							26.1	25.7		6.09			86.5		3.27			4.6		
30-May-12	1325-1343	28/Cloudy	Small Wave	16.8	Surface	1.0	26.5	26.4	26.4	6.23	6.21	6.15	88.7	88.5	2.00	1.99	2.15	3.2	3.0	3.2
							26.5	26.3		6.19			88.2		1.97			2.8		
					Middle	8.4	26.4	26.8	26.9	6.12	6.10		87.2	86.8	2.13	2.15		3.0	3.1	
							26.5	26.9		6.07			86.4		2.17			3.2		
					Bottom	15.8	26.4	27.0	27.1	6.03	6.01	6.01	85.9	85.6	2.34	2.32		3.6	3.5	
							26.3	27.1		5.99			85.3		2.30			3.4		
1-Jun-12	1555-1610	29/Cloudy	Great Wave	16.6	Surface	1.0	27.2	25.9	25.9	6.80	6.80	6.70	97.9	98.1	3.00	3.00	3.10	4.0	4.1	4.2
							27.1	25.9		6.80			98.3		3.00			4.2		
					Middle	8.3	26.8	26.2	26.2	6.60	6.60		95.9	95.8	2.90	2.90		3.8	3.9	
							26.8	26.2		6.60			95.6		2.90			4.0		
					Bottom	15.6	26.8	26.3	26.3	6.20	6.20	6.20	89.5	89.3	3.40	3.40		4.6	4.5	
							26.7	26.3		6.20			89.1		3.40			4.4		
4-Jun-12	1756-1811	29/Cloudy	Small Wave	16.6	Surface	1.0	27.1	25.8	25.9	6.60	6.70	6.48	96.4	97.8	2.60	2.65	3.15	3.6	3.7	4.2
							27.1	25.9		6.80			99.2		2.70			3.8		
					Middle	8.3	26.9	26.4	26.4	6.20	6.25		90.5	91.2	3.20	3.25		4.2	4.3	
							26.9	26.4		6.30			91.9		3.30			4.4		
					Bottom	15.6	26.7	26.6	26.7	6.10	6.20	6.20	88.9	90.4	3.60	3.55		4.8	4.7	
							26.6	26.7		6.30			91.8		3.50			4.6		
6-Jun-12	1927-1942	28/Cloudy	Small Wave	16.4	Surface	1.0	27.1	25.8	25.8	6.70	6.70	6.55	98.0	97.9	2.40	2.35	2.87	3.6	3.5	4.0
							27.0	25.8		6.70			97.7		2.30			3.4		
					Middle	8.2	27.0	26.3	26.4	6.40	6.40		93.2	93.3	3.00	2.90		4.0	3.9	
							26.9	26.4		6.40			93.4		2.80			3.8		
					Bottom	15.4	26.8	26.6	26.6	6.30	6.25	6.25	91.8	91.2	3.30	3.35		4.4	4.5	
							26.7	26.6		6.20			90.5		3.40			4.6		
8-Jun-12	0805-0824	27/Cloudy	Calm	20.0	Surface	1.0	27.8	28.0	28.1	6.34	6.32	6.24	92.1	91.8	1.05	1.07	1.63	2.4	2.4	2.7
							27.9	28.1		6.30			91.4		1.09			2.4		
					Middle	10.0	27.9	28.0	28.0	6.14	6.16		89.1	89.6	1.07	1.05		2.2	2.1	
							27.9	28.0		6.17			90.1		1.03			2.0		
					Bottom	19.0	27.9	28.1	28.1	6.08	6.06	6.06	88.7	88.4	2.78	2.77		3.8	3.7	
							27.8	28.0		6.04			88.1		2.75			3.6		

Mid-Flood Tide

Monitoring Station : C1a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
11-Jun-12	1054-1112	30/Cloudy	Small Wave	20.4	Surface	1.0	27.9	27.9	28.0	6.32	6.35	6.27	93.5	93.9	1.34	1.37	1.80	2.8	2.6	3.0
							27.9	28.0		6.37			94.2		1.40			2.4		
					Middle	10.2	27.9	28.0	28.1	6.18	6.20		91.5	91.7	1.48	1.50		2.6	2.7	
							27.9	28.1		6.21			91.9		1.52			2.8		
					Bottom	19.4	27.9	28.1	28.1	6.10	6.12	6.12	90.3	90.5	2.48	2.52		3.6	3.7	
							27.8	28.1		6.13			90.7		2.55			3.8		
13-Jun-12	1355-1410	29/Rainy	Small Wave	15.8	Surface	1.0	27.6	25.4	25.4	6.2	6.2	6.1	90.9	90.7	2.8	2.8	3.0	3.8	3.7	4.0
							27.6	25.3		6.2			90.4		2.8			3.6		
					Middle	7.9	27.2	26.7	26.7	6.0	6.0		87.1	87.0	3.1	3.1		4.0	4.0	
							27.1	26.7		5.9			86.8		3.0			4.0		
					Bottom	14.8	27.0	27.2	27.2	5.9	5.9	5.9	86.3	86.0	3.2	3.2		4.2	4.2	
							26.9	27.1		5.9			85.7		3.2			4.2		
15-Jun-12	1627-1644	31/Cloudy	Great Wave	20.2	Surface	1.0	27.7	27.2	27.2	6.32	6.34	6.26	92.9	93.2	1.33	1.35	1.62	2.4	2.5	2.8
							27.8	27.2		6.36			93.5		1.37			2.6		
					Middle	10.1	27.5	27.7	27.7	6.20	6.18		91.0	90.7	1.62	1.64		2.8	2.9	
							27.5	27.7		6.16			90.4		1.66			3.0		
					Bottom	19.2	27.3	27.9	28.0	6.03	6.02	6.02	88.5	88.3	1.85	1.87		3.0	3.1	
							27.2	28.0		6.00			88.1		1.88			3.2		
18-Jun-12	1815-1833	28/Cloudy	Great Wave	20.2	Surface	1.0	27.4	27.3	27.3	6.29	6.31	6.24	93.1	93.4	1.76	1.79	2.13	2.8	2.9	3.2
							27.5	27.2		6.33			93.7		1.81			3.0		
					Middle	10.1	27.5	27.7	27.7	6.17	6.16		91.3	91.2	2.13	2.16		3.2	3.3	
							27.6	27.7		6.15			91.0		2.18			3.4		
					Bottom	19.2	27.5	27.9	27.9	5.98	6.00	6.00	88.5	88.8	2.50	2.46		3.6	3.5	
							27.5	27.9		6.02			89.1		2.42			3.4		
20-Jun-12	1841-1857	29/Fine	Great Wave	20.2	Surface	1.0	27.5	27.1	27.2	6.20	6.23	6.14	91.1	91.5	1.30	1.33	1.59	2.4	2.4	2.7
							27.6	27.2		6.25			91.9		1.36			2.4		
					Middle	10.1	27.4	27.7	27.7	6.06	6.05		89.1	88.9	1.45	1.47		2.6	2.7	
							27.3	27.7		6.03			88.6		1.49			2.8		
					Bottom	10.2	27.1	28.3	28.3	5.88	5.90	5.90	86.4	86.7	1.96	1.98		2.8	2.9	
							27.1	28.2		5.92			87.0		2.00			3.0		
22-Jun-12	1955-2010	28/Drizzle	Small Wave	16.4	Surface	1.0	27.7	26.5	26.6	5.87	5.86	5.85	86.1	85.9	2.74	2.72	2.96	4.0	3.8	4.0
							27.6	26.6		5.84			85.7		2.70			3.6		
					Middle	8.2	27.4	26.9	26.9	5.82	5.84		85.4	85.6	2.95	2.97		3.8	3.9	
							27.4	26.9		5.85			85.8		2.99			4.0		
					Bottom	15.4	27.4	27.0	27.1	5.86	5.88	5.88	86.0	86.2	3.21	3.19		4.2	4.2	
							27.3	27.1		5.89			86.4		3.17			4.2		
25-Jun-12	0856-0911	28/Cloudy	Small Wave	16.8	Surface	1.0	28.2	26.4	26.5	5.80	5.78	5.78	85.2	84.9	2.98	2.96	3.07	4.0	4.0	4.1
							28.1	26.5		5.76			84.5		2.93			4.0		
					Middle	8.4	28.1	26.7	26.8	5.79	5.77		84.9	84.7	3.06	3.05		4.0	4.0	
							28.0	26.8		5.75			84.4		3.03			4.0		
					Bottom	15.8	28.0	26.9	27.0	5.70	5.72	5.72	83.7	84.0	3.18	3.21		4.2	4.3	
							27.9	27.0		5.73			84.2		3.24			4.4		
27-Jun-12	1212-1230	31/Fine	Small Wave	19.8	Surface	1.0	28.4	25.5	25.5	5.92	5.94	5.90	85.8	86.1	1.45	1.48	1.67	2.4	2.5	2.4
							28.4	25.4		5.95			86.3		1.50			2.6		
					Middle	9.9	28.2	25.5	25.6	5.88	5.86		85.3	84.9	1.29	1.31		2.4	2.4	
							28.2	25.6		5.83			84.5		1.33			2.4		
					Bottom	18.8	27.6	25.8	25.9	5.69	6.21	6.21	82.5	82.8	2.18	2.22		2.2	2.3	
							27.6	25.9		6.73			83.1		2.25			2.4		

Mid-Flood Tide

Monitoring Station : C1a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
29-Jun-12	1427-1443	32/Fine	Great Wave	20.2	Surface	1.0	28.6	27.5	27.6	6.30	6.29	6.17	94.2	94.0	1.32	1.34	1.61	2.4	2.5	2.7
							28.7	27.6		6.27			93.7		1.36			2.6		
					Middle	10.1	28.4	28.1	28.1	6.04	6.06		90.1	90.4	1.44	1.46		2.4	2.5	
							28.3	28.1		6.08			90.7		1.48			2.6		
					Bottom	19.2	28.0	28.5	28.5	6.15	6.13	6.13	91.6	91.3	2.00	2.03		3.0	3.0	
							28.0	28.4		6.10			90.9		2.05			3.0		
4-Jul-12	1826-1843	31/Cloudy	Small Wave	20.2	Surface	1.0	28.0	27.4	27.4	6.19	6.22	6.18	91.5	91.8	1.42	1.45	1.60	2.8	2.8	2.8
							28.0	27.4		6.24			92.1		1.47			2.8		
					Middle	10.1	27.6	27.9	27.9	6.16	6.14		90.9	90.6	1.52	1.49		2.6	2.6	
							27.5	27.8		6.12			90.3		1.46			2.6		
					Bottom	19.2	27.4	28.0	28.0	5.90	5.89	5.89	87.1	86.9	1.83	1.86		2.8	2.9	
							27.3	27.9		5.87			86.7		1.89			3.0		
6-Jul-12	0807-0821	28/Fine	Calm	19.8	Surface	1.0	27.0	24.2	24.3	5.26	5.28	5.29	76.6	76.7	2.81	2.89	3.64	3.6	3.8	4.5
							27.0	24.3		5.29			76.7		2.96			4.0		
					Middle	9.9	26.9	24.3	24.3	5.31	5.30		77.0	76.8	3.00	3.04		4.0	3.9	
							26.9	24.3		5.28			76.6		3.07			3.8		
					Bottom	18.8	26.9	24.7	24.7	5.35	5.37	5.37	77.6	77.9	5.03	5.00		5.8	5.7	
							26.8	24.7		5.39			78.2		4.96			5.6		
9-Jul-12	0917-0935	29/Fine	Calm	18.8	Surface	1.0	27.8	24.6	24.7	5.66	5.64	5.60	82.6	82.4	2.26	2.29	3.06	3.6	3.5	4.1
							27.9	24.7		5.62			82.1		2.31			3.4		
					Middle	9.2	27.8	24.7	24.8	5.58	5.57		81.4	81.2	2.57	2.61		3.6	3.7	
							27.8	24.8		5.55			81.0		2.64			3.8		
					Bottom	17.4	27.7	24.9	24.9	5.40	5.44	5.44	78.8	79.3	4.21	4.28		5.0	5.1	
							27.7	24.9		5.47			79.8		4.34			5.2		
11-Jul-12	1057-1114	30/Fine	Small Wave	20.4	Surface	1.0	27.9	25.3	25.4	6.21	6.19	6.23	92.2	91.9	1.87	1.89	2.06	2.8	2.9	3.2
							27.9	25.4		6.17			91.6		1.91			3.0		
					Middle	10.2	27.7	25.8	25.8	6.26	6.28		92.6	92.9	2.04	2.06		3.0	3.1	
							27.6	25.7		6.29			93.1		2.08			3.2		
					Bottom	19.4	27.2	26.3	26.3	6.00	6.02	6.02	88.9	89.2	2.20	2.22		3.4	3.5	
							27.3	26.3		6.04			89.5		2.24			3.6		
13-Jul-12	1454-1510	30/Cloudy	Small Wave	20.0	Surface	1.0	28.2	24.3	24.3	5.89	5.87	5.72	85.8	85.5	2.46	2.43	2.67	3.6	3.5	3.8
							28.2	24.2		5.85			85.2		2.40			3.4		
					Middle	10.0	27.9	24.3	24.3	5.54	5.56		80.7	81.0	2.59	2.62		3.6	3.7	
							28.0	24.2		5.58			81.2		2.64			3.8		
					Bottom	19.0	27.8	24.5	24.6	5.63	5.62	5.62	82.0	81.8	2.99	2.97		4.2	4.1	
							27.7	24.6		5.60			81.5		2.94			4.0		
16-Jul-12	1625-1643	32/Fine	Calm	20.0	Surface	1.0	27.9	23.7	23.7	6.08	6.10	6.00	87.6	87.8	3.20	3.23	3.52	4.4	4.4	4.6
							28.0	23.7		6.11			87.9		3.26			4.4		
					Middle	10.0	27.9	23.9	23.9	5.88	5.91		84.7	85.1	3.44	3.47		4.4	4.5	
							27.9	23.9		5.93			85.4		3.50			4.6		
					Bottom	19.0	27.8	24.1	24.1	5.69	5.71	5.71	81.9	82.2	3.84	3.87		4.8	4.9	
							27.7	24.1		5.73			82.5		3.89			5.0		
18-Jul-12	1753-1811	29/Cloudy	Small Wave	19.8	Surface	1.0	28.0	23.5	23.6	6.12	6.14	6.10	89.3	89.6	2.96	2.98	3.18	4.0	4.0	4.2
							28.1	23.6		6.16			89.9		2.99			4.0		
					Middle	9.9	27.7	23.8	23.8	6.07	6.05		88.6	88.3	3.09	3.11		4.0	4.1	
							27.8	23.7		6.03			88.0		3.12			4.2		
					Bottom	18.8	27.4	24.0	24.0	5.90	5.88	5.88	86.1	85.8	3.48	3.46		4.4	4.5	
							27.4	24.0		5.85			85.4		3.44			4.6		

Mid-Flood Tide

Monitoring Station : C1a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
20-Jul-12	1855-1912	30/Fine	Small Wave	20.2	Surface	1.0	28.3	23.8	23.9	6.10	6.12	6.04	88.9	89.2	3.37	3.39	3.55	4.4	4.4	4.6
							28.4	23.9		6.13			89.4		3.41			4.4		
					Middle	10.1	28.1	24.1	24.1	5.97	5.96		87.1	86.9	3.53	3.55		4.6	4.6	
							28.0	24.1		5.94			86.7		3.57			4.6		
					Bottom	19.2	27.8	24.3	24.4	5.80	5.79	5.79	84.6	84.4	3.68	3.70		4.8	4.8	
							27.9	24.4		5.77			84.2		3.72			4.8		
25-Jul-12	1020-1039	28/Cloudy	Small Wave	20.2	Surface	1.0	26.5	29.0	29.1	5.74	5.76	5.68	80.9	81.1	2.49	2.52	2.79	3.2	3.3	3.7
							26.6	29.1		5.77			81.3		2.54			3.4		
					Middle	10.1	26.4	29.5	29.5	5.62	5.60		79.2	78.9	2.81	2.83		3.6	3.7	
							26.5	29.5		5.57			78.5		2.84			3.8		
					Bottom	19.2	26.4	29.8	29.8	5.33	5.31	5.31	75.1	74.8	3.00	3.03		4.0	4.1	
							26.4	29.8		5.29			74.5		3.06			4.2		
27-Jul-12	1225-1242	26/Rainy	Great Wave	20.2	Surface	1.0	26.4	25.3	25.4	6.11	6.14	6.06	87.9	88.3	3.43	3.45	3.62	4.4	4.4	4.6
							26.5	25.4		6.16			88.7		3.47			4.4		
					Middle	10.1	26.2	25.8	25.8	6.00	5.99		86.6	86.3	3.63	3.65		4.6	4.7	
							26.2	25.7		5.97			86.0		3.66			4.8		
					Bottom	19.2	26.0	26.1	26.2	5.88	5.86	5.86	84.7	84.4	3.75	3.77		4.6	4.7	
							26.0	26.2		5.83			84.0		3.79			4.8		
30-Jul-12	1625-1640	31/Sunny	Small Wave	16.2	Surface	1.0	27.8	29.9	29.9	5.88	5.87	5.80	86.3	86.1	3.72	3.70	3.83	4.8	4.8	4.9
							27.8	29.9		5.85			85.8		3.68			4.8		
					Middle	8.1	27.3	30.4	30.4	5.72	5.74		83.9	84.2	3.88	3.86		5.0	4.9	
							27.4	30.4		5.75			84.4		3.84			4.8		
					Bottom	15.2	27.2	30.5	30.5	5.70	5.72	5.72	83.6	83.9	3.90	3.92		5.0	5.1	
							27.1	30.5		5.74			84.2		3.93			5.2		
1-Aug-12	1727-1743	33/Fine	Small Wave	16.4	Surface	1.0	27.8	29.7	29.7	5.83	5.85	5.82	85.6	85.8	3.40	3.39	3.52	4.4	4.3	4.5
							27.8	29.6		5.86			85.9		3.37			4.2		
					Middle	8.2	27.6	29.9	29.9	5.77	5.79		84.7	84.9	3.48	3.51		4.6	4.5	
							27.7	29.9		5.80			85.1		3.53			4.4		
					Bottom	15.4	27.4	30.1	30.1	5.64	5.66	5.66	82.6	83.0	3.70	3.68		4.8	4.7	
							27.3	30.0		5.68			83.3		3.65			4.6		
3-Aug-12	1827-1844	31/Cloudy	Small Wave	16.2	Surface	1.0	28.0	29.5	29.6	5.97	5.99	5.93	88.6	88.9	3.42	3.44	3.61	4.8	4.6	4.7
							28.0	29.6		6.01			89.2		3.46			4.4		
					Middle	8.1	27.8	29.9	29.9	5.89	5.88		87.3	87.1	3.59	3.61		4.6	4.7	
							27.8	29.9		5.86			86.8		3.63			4.8		
					Bottom	15.2	27.6	30.2	30.3	5.78	5.76	5.76	85.5	85.2	3.77	3.79		4.8	4.9	
							27.6	30.3		5.73			84.8		3.81			5.0		
6-Aug-12	0828-0845	30/Cloudy	Small Wave	19.6	Surface	1.0	27.0	25.6	25.6	4.42	4.40	4.57	64.1	63.8	2.34	2.37	3.12	3.6	3.6	4.2
							27.0	25.6		4.38			63.4		2.40			3.6		
					Middle	9.8	26.3	26.7	26.7	4.73	4.74		68.1	68.3	3.01	3.04		4.0	4.0	
							26.3	26.7		4.75			68.5		3.06			4.0		
					Bottom	18.6	26.2	26.7	26.7	4.50	4.52	4.52	64.8	65.1	3.93	3.96		4.8	4.9	
							26.2	26.7		4.54			65.3		3.99			5.0		
8-Aug-12	1000-1017	30/Fine	Small Wave	19.4	Surface	1.0	27.7	26.3	26.3	5.71	5.70	5.71	82.7	82.5	2.25	2.28	2.36	3.2	3.3	3.3
							27.6	26.2		5.68			82.3		2.31			3.4		
					Middle	9.7	27.5	26.5	26.6	5.73	5.72		83.0	82.8	2.20	2.22		3.2	3.2	
							27.5	26.6		5.70			82.6		2.24			3.2		
					Bottom	18.4	27.4	26.9	27.0	5.62	5.60	5.60	81.4	81.1	2.60	2.58		3.6	3.5	
							27.3	27.0		5.57			80.7		2.55			3.4		

Mid-Flood Tide

Monitoring Station : C1a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
10-Aug-12	1227-1244	33/Cloudy	Small Wave	19.2	Surface	1.0	28.2	26.3	26.3	5.80	5.82	5.74	85.8	86.1	2.43	2.45	2.63	3.6	3.6	3.7
							28.2	26.3		5.84			86.4		2.46			3.6		
					Middle	9.6	28.0	26.7	26.7	5.67	5.66		83.9	83.7	2.62	2.64		3.6	3.7	
							27.9	26.6		5.64			83.5		2.66			3.8		
					Bottom	18.2	27.7	26.9	27.0	5.45	5.43	5.43	80.7	80.4	2.78	2.81		3.8	3.9	
							27.6	27.0		5.41			80.1		2.83			4.0		
13-Aug-12	1926-1944	27/Cloudy	Small Wave	19.2	Surface	1.0	27.7	25.4	25.4	6.11	6.13	6.05	88.6	88.8	2.54	2.56	2.82	3.6	3.6	3.8
							27.6	25.3		6.14			89.0		2.58			3.6		
					Middle	9.1	27.4	25.8	25.8	5.98	5.97		86.7	86.5	2.84	2.87		3.8	3.9	
							27.5	25.8		5.95			86.3		2.89			4.0		
					Bottom	18.2	27.2	26.3	26.3	5.83	5.81	5.81	84.5	84.3	3.03	3.05		4.0	4.0	
							27.2	26.3		5.79			84.0		3.06			4.0		
15-Aug-12	1744-1805	32/Fine	Calm	20.0	Surface	1.0	28.3	27.6	27.6	6.03	6.05	5.98	88.0	88.3	2.27	2.30	2.54	3.6	3.5	3.6
							28.3	27.6		6.07			88.6		2.32			3.4		
					Middle	10.0	28.2	27.8	27.8	5.92	5.90		86.4	86.1	2.50	2.53		3.6	3.6	
							28.1	27.7		5.88			85.8		2.55			3.6		
					Bottom	19.0	28.0	27.9	27.9	5.69	5.71	5.71	83.0	83.3	2.79	2.81		3.6	3.7	
							28.0	27.8		5.73			83.6		2.82			3.8		
17-Aug-12	1727-1746	29/Cloudy	Great Wave	19.8	Surface	1.0	27.8	26.8	26.8	6.09	6.12	6.08	88.3	88.7	2.43	2.41	2.47	3.6	3.5	3.6
							27.7	26.8		6.14			89.1		2.39			3.4		
					Middle	9.9	27.5	26.9	27.0	6.07	6.05		87.9	87.6	2.30	2.33		3.4	3.5	
							27.5	27.0		6.02			87.2		2.35			3.6		
					Bottom	18.8	27.3	27.1	27.2	5.97	5.95	5.95	86.4	86.1	2.66	2.68		3.6	3.7	
							27.4	27.2		5.92			85.7		2.69			3.8		
20-Aug-12	0759-0817	28/Fine	Small Wave	19.2	Surface	1.0	27.7	25.8	25.8	6.03	6.01	5.91	88.6	88.3	2.88	2.90	3.03	3.6	3.7	4.0
							27.8	25.7		5.98			87.9		2.92			3.8		
					Middle	9.6	27.5	26.1	26.2	5.84	5.82		85.8	85.5	3.01	3.04		4.0	4.0	
							27.5	26.2		5.80			85.2		3.06			4.0		
					Bottom	18.2	27.2	26.6	26.6	5.71	5.70	5.70	83.9	83.8	3.12	3.14		4.2	4.2	
							27.3	26.6		5.69			83.6		3.16			4.2		
22-Aug-12	0858-0915	29/Cloudy	Calm	19.8	Surface	1.0	27.8	29.4	29.4	5.52	5.50	5.44	79.4	79.2	3.04	3.01	3.27	4.0	3.9	4.2
							27.9	29.3		5.48			78.9		2.98			3.8		
					Middle	9.9	27.7	29.6	29.6	5.37	5.39		77.3	77.5	3.21	3.24		4.2	4.3	
							27.7	29.6		5.40			77.7		3.26			4.4		
					Bottom	18.8	27.6	29.9	30.0	5.12	5.14	5.14	73.7	74.0	3.58	3.56		4.6	4.5	
							27.6	30.0		5.15			74.2		3.53			4.4		
24-Aug-12	1125-1142	30/Fine	Small Wave	20.2	Surface	1.0	27.8	27.4	27.4	5.97	5.99	5.91	87.8	88.1	2.78	2.80	2.65	3.6	3.7	3.7
							27.9	27.4		6.01			88.3		2.81			3.8		
					Middle	10.1	27.5	27.7	27.8	5.85	5.83		86.0	85.7	2.54	2.53		3.4	3.5	
							27.5	27.8		5.81			85.4		2.51			3.6		
					Bottom	19.2	27.2	28.2	28.3	5.72	5.71	5.71	84.1	83.9	2.60	2.63		3.8	3.8	
							27.1	28.3		5.69			83.6		2.66			3.8		
27-Aug-12	1527-1544	34/Fine	Calm	19.2	Surface	1.0	28.0	27.2	27.3	5.98	5.97	5.88	87.9	87.7	2.32	2.31	2.45	3.6	3.4	3.6
							28.0	27.3		5.95			87.5		2.29			3.2		
					Middle	9.6	27.7	27.7	27.7	5.80	5.79		85.3	85.1	2.43	2.46		3.6	3.7	
							27.6	27.7		5.77			84.8		2.48			3.8		
					Bottom	18.2	27.4	28.2	28.3	5.69	5.67	5.67	83.6	83.3	2.57	2.59		3.6	3.8	
							27.3	28.3		5.64			83.0		2.61			4.0		

Mid-Flood Tide

Monitoring Station : C1a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
29-Aug-12	1627-1645	31/Fine	Small Wave	18.8	Surface	1.0	28.1	27.3	27.3	6.08	6.10	6.05	89.5	89.7	2.08	2.10	2.25	3.2	3.3	3.3
							28.1	27.2		6.11			89.9		2.12			3.4		
					Middle	9.4	27.8	27.5	27.5	6.02	6.00		88.5	88.2	2.23	2.26		3.2	3.2	
							27.7	27.5		5.97			87.9		2.28			3.2		
					Bottom	17.8	27.6	27.7	27.8	5.86	5.84	5.84	86.3	85.9	2.40	2.38		3.4	3.5	
							27.6	27.8		5.81			85.5		2.36			3.6		
31-Aug-12	1817-1835	30/Fine	Calm	19.6	Surface	1.0	27.6	26.3	26.4	5.36	5.35	5.24	77.7	77.5	2.60	2.59	2.59	4.0	3.7	3.6
							27.6	26.4		5.33			77.2		2.57			3.4		
					Middle	9.8	27.5	26.7	26.7	5.12	5.14		74.2	74.5	2.46	2.44		3.6	3.5	
							27.4	26.6		5.15			74.7		2.42			3.4		
					Bottom	18.6	27.3	26.8	26.8	5.05	5.07	5.07	73.3	73.6	2.71	2.74		3.8	3.7	
							27.3	26.8		5.09			73.8		2.76			3.6		
3-Sep-12	1858-1920	32/Fine	Small Wave	19.6	Surface	1.0	28.8	24.6	24.6	7.14	7.10	6.35	103.9	103.3	2.00	1.97	3.29	3.2	3.0	4.2
							28.8	24.6		7.06			102.6		1.94			2.8		
					Middle	9.8	28.1	25.3	25.3	5.64	5.61		82.6	82.1	3.95	3.92		4.8	4.7	
							28.0	25.2		5.57			81.6		3.89			4.6		
					Bottom	18.6	27.6	25.4	25.4	5.00	5.03	5.03	72.9	73.3	3.99	3.97		5.0	4.9	
							27.7	25.4		5.05			73.6		3.94			4.8		
5-Sep-12	0910-0927	28/Cloudy	Small Wave	19.2	Surface	1.0	27.7	27.4	27.4	6.14	6.16	6.09	90.6	90.8	2.47	2.49	2.68	3.6	3.7	3.8
							27.8	27.3		6.17			91.0		2.51			3.8		
					Middle	9.6	27.4	27.7	27.8	6.06	6.03		89.4	89.0	2.66	2.69		3.6	3.7	
							27.4	27.8		6.00			88.5		2.72			3.8		
					Bottom	18.2	27.1	28.2	28.2	5.90	5.88	5.88	87.0	86.7	2.84	2.86		4.0	3.9	
							27.2	28.2		5.86			86.4		2.87			3.8		
7-Sep-12	1055-111	28/Cloudy	Small Wave	18.8	Surface	1.0	27.5	27.3	27.3	6.12	6.14	6.06	90.2	90.5	2.55	2.58	2.74	3.6	3.7	3.8
							27.4	27.3		6.16			90.8		2.60			3.8		
					Middle	9.4	27.2	27.5	27.6	6.01	5.99		88.6	88.3	2.69	2.72		3.6	3.7	
							27.3	27.6		5.96			87.9		2.74			3.8		
					Bottom	17.8	27.2	27.9	28.0	5.92	5.90	5.90	87.3	87.0	2.92	2.94		3.8	3.9	
							27.1	28.0		5.88			86.7		2.95			4.0		
10-Sep-12	1825-1842	29/Fine	Small Wave	19.2	Surface	1.0	27.9	27.5	27.6	6.09	6.11	6.03	89.8	90.1	2.47	2.45	2.73	3.6	3.5	3.7
							28.0	27.6		6.12			90.3		2.43			3.4		
					Middle	9.6	27.6	28.0	28.0	5.98	5.96		88.2	87.9	2.75	2.77		3.6	3.7	
							27.5	27.9		5.94			87.6		2.78			3.8		
					Bottom	18.2	27.2	28.3	28.4	5.85	5.83	5.83	86.3	86.0	2.96	2.98		4.0	4.0	
							27.1	28.4		5.81			85.7		2.99			4.0		
12-Sep-12	1555-1613	32/Fine	Calm	19.8	Surface	1.0	27.7	26.9	26.9	6.54	6.56	6.38	95.4	95.8	2.76	2.78	3.02	3.6	3.7	3.9
							27.8	26.9		6.58			96.1		2.80			3.8		
					Middle	9.9	27.6	27.2	27.2	6.24	6.21		91.1	90.6	3.00	3.03		3.8	3.9	
							27.6	27.1		6.17			90.0		3.06			4.0		
					Bottom	18.8	27.4	27.4	27.4	5.89	5.91	5.91	86.0	86.2	3.21	3.24		4.0	4.1	
							27.4	27.4		5.92			86.4		3.27			4.2		
14-Sep-12	1710-1727	30/Fine	Small Wave	20.2	Surface	1.0	28.0	26.9	26.9	6.43	6.40	6.26	93.8	93.4	2.59	2.61	2.88	3.6	3.6	3.9
							27.9	26.9		6.37			93.0		2.63			3.6		
					Middle	10.1	27.8	27.1	27.2	6.14	6.12		89.6	89.4	2.88	2.91		3.8	3.9	
							27.7	27.2		6.10			89.1		2.93			4.0		
					Bottom	19.2	27.6	27.3	27.4	5.82	5.84	5.84	85.0	85.2	3.10	3.13		4.0	4.1	
							27.6	27.4		5.85			85.4		3.16			4.2		

Mid-Flood Tide

Monitoring Station : C1a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
17-Sep-12	1754-1812	29/Fine	Small Wave	20.2	Surface	1.0	27.7	26.8	26.8	6.28	6.26	6.22	91.7	91.4	2.55	2.57	2.73	4.0	3.7	3.7
							27.6	26.8		6.23			91.0		2.59			3.4		
					Middle	10.1	27.5	26.9	27.0	6.16	6.18		89.9	90.2	2.73	2.72		3.6	3.5	
							27.4	27.0		6.20			90.5		2.70			3.4		
					Bottom	19.2	27.3	27.2	27.3	6.01	6.04	6.04	87.7	88.1	2.88	2.91		3.8	3.9	
							27.3	27.3		6.06			88.4		2.93			4.0		
19-Sep-12	0835-0852	27/Fine	Calm	19.6	Surface	1.0	26.5	26.7	26.7	6.43	6.46	6.34	93.9	94.3	2.84	2.87	3.14	4.0	3.9	4.2
							26.6	26.7		6.48			94.6		2.89			3.8		
					Middle	9.8	26.5	26.8	26.8	6.25	6.23		91.3	90.9	3.09	3.11		4.0	4.1	
							26.4	26.8		6.20			90.5		3.13			4.2		
					Bottom	18.6	26.3	27.0	27.0	6.03	6.01	6.01	88.1	87.7	3.42	3.44		4.4	4.5	
							26.2	26.9		5.98			87.3		3.46			4.6		
21-Sep-12	1009-1026	28/Cloudy	Small Wave	20.2	Surface	1.0	27.5	25.7	25.7	6.02	6.00	5.85	88.4	88.1	2.44	2.46	2.69	3.2	3.3	3.6
							27.5	25.7		5.98			87.8		2.48			3.4		
					Middle	10.1	27.2	26.0	26.1	5.71	5.70		83.8	83.6	2.61	2.63		3.4	3.6	
							27.3	26.1		5.68			83.4		2.64			3.8		
					Bottom	19.2	27.0	26.3	26.3	5.75	5.78	5.78	84.4	84.8	3.02	3.00		4.2	3.9	
							27.0	26.3		5.80			85.1		2.97			3.6		
24-Sep-12	1454-1511	30/Cloudy	Small Wave	19.2	Surface	1.0	27.7	26.4	26.4	6.33	6.30	6.18	93.1	92.7	2.52	2.54	2.72	3.6	3.6	3.8
							27.6	26.4		6.27			92.2		2.55			3.6		
					Middle	9.6	27.3	26.8	26.9	6.08	6.07		89.4	89.2	2.67	2.70		3.8	3.8	
							27.3	26.9		6.05			88.9		2.72			3.8		
					Bottom	18.2	27.0	27.3	27.3	5.89	5.87	5.87	86.6	86.3	2.92	2.94		4.0	4.0	
							27.0	27.2		5.85			86.0		2.96			4.0		
26-Sep-12	1525-1543	29/Cloudy	Small Wave	19.6	Surface	1.0	27.7	26.3	26.3	6.36	6.34	6.28	93.3	93.0	2.58	2.60	2.79	3.6	3.7	3.9
							27.6	26.3		6.32			92.7		2.61			3.8		
					Middle	9.8	27.4	26.7	26.8	6.20	6.23		90.8	91.2	2.75	2.73		3.8	3.8	
							27.5	26.8		6.25			91.6		2.71			3.8		
					Bottom	18.6	27.3	27.1	27.1	6.04	6.03	6.03	88.6	88.4	3.05	3.03		4.0	4.1	
							27.2	27.1		6.01			88.1		3.01			4.2		
28-Sep-12	1625-1640	29/Sunny	Small Wave	16.8	Surface	1.0	27.9	26.6	26.6	5.99	5.97	5.88	88.5	88.3	3.37	3.36	3.73	4.4	4.4	4.7
							27.9	26.6		5.95			88.0		3.34			4.4		
					Middle	8.4	27.6	26.8	26.9	5.79	5.78		85.5	85.4	3.82	3.86		4.6	4.7	
							27.6	26.9		5.77			85.2		3.90			4.8		
					Bottom	15.8	27.5	27.2	27.2	5.72	5.74	5.74	84.5	84.7	3.94	3.96		4.8	4.9	
							27.6	27.1		5.75			84.9		3.98			5.0		
3-Oct-12	1826-1843	29/Fine	Small Wave	19.6	Surface	1.0	27.8	27.8	27.8	5.82	5.81	5.71	85.7	85.5	2.15	2.13	2.43	3.2	3.2	3.5
							27.7	27.8		5.79			85.3		2.11			3.2		
					Middle	9.8	27.5	28.0	28.1	5.63	5.62		82.9	82.7	2.44	2.47		3.4	3.5	
							27.4	28.1		5.60			82.5		2.49			3.6		
					Bottom	18.6	27.2	28.2	28.3	5.47	5.48	5.48	80.6	80.8	2.67	2.69		3.8	3.8	
							27.2	28.3		5.49			80.9		2.71			3.8		
5-Oct-12	0856-0914	26/Fine	Small Wave	19.4	Surface	1.0	27.6	27.7	27.7	5.93	5.92	5.86	87.1	86.9	2.14	2.16	2.37	3.2	3.2	3.5
							27.5	27.7		5.90			86.7		2.17			3.2		
					Middle	9.7	27.3	27.9	27.9	5.82	5.80		85.6	85.3	2.39	2.38		3.4	3.5	
							27.3	27.9		5.77			84.9		2.36			3.6		
					Bottom	18.4	27.2	28.1	28.2	5.59	5.61	5.61	82.2	82.5	2.56	2.59		3.6	3.7	
							27.1	28.2		5.63			82.8		2.62			3.8		

Mid-Flood Tide

Monitoring Station : C1a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
8-Oct-12	1724-1740	27/Fine	Small Wave	19.0	Surface	1.0	27.4	26.6	26.7	5.68	5.70	5.66	83.2	83.4	2.93	2.95	3.05	4.0	3.9	4.1
							27.4	26.7		5.71			83.5		2.96			3.8		
					Middle	9.5	27.3	26.9	26.9	5.63	5.62		82.5	82.4	3.03	3.05		4.0	4.1	
							27.2	26.8		5.61			82.2		3.07			4.2		
					Bottom	18.0	27.1	26.9	27.0	5.56	5.58	5.58	81.5	81.7	3.13	3.16		4.2	4.2	
							27.2	27.0		5.59			81.9		3.18			4.2		
10-Oct-12	1454-1511	28/Fine	Small Wave	18.8	Surface	1.0	27.4	26.5	26.6	5.75	5.73	5.70	84.1	83.9	2.97	2.95	3.11	4.0	4.1	4.2
							27.5	26.6		5.71			83.6		2.93			4.2		
					Middle	9.4	27.4	26.7	26.8	5.68	5.66		83.1	82.9	3.08	3.11		4.0	4.1	
							27.3	26.8		5.64			82.6		3.13			4.2		
					Bottom	17.8	27.1	26.9	27.0	5.53	5.56	5.56	80.9	81.3	3.27	3.29		4.2	4.3	
							27.2	27.0		5.58			81.7		3.30			4.4		
12-Oct-12	1555-1614	28/Fine	Small Wave	19.6	Surface	1.0	27.6	26.8	26.9	5.66	5.64	5.55	83.2	82.9	2.91	2.89	2.94	4.0	3.8	3.8
							27.6	26.9		5.62			82.6		2.87			3.6		
					Middle	9.8	27.5	26.9	26.9	5.47	5.45		80.4	80.1	2.64	2.71		3.4	3.6	
							27.5	26.9		5.43			79.8		2.78			3.8		
					Bottom	18.6	27.4	27.0	27.0	5.31	5.30	5.30	78.9	78.3	3.16	3.22		4.2	4.1	
							27.3	27.0		5.28			77.6		3.27			4.0		
15-Oct-12	1727-1745	28/Fine	Small Wave	19.4	Surface	1.0	27.5	26.4	26.5	5.74	5.76	5.67	84.1	84.4	2.90	2.92	3.08	4.0	4.0	4.1
							27.5	26.5		5.78			84.7		2.94			4.0		
					Middle	9.7	27.4	26.6	26.6	5.60	5.59		82.0	81.8	3.07	3.09		4.0	4.1	
							27.3	26.6		5.57			81.6		3.11			4.2		
					Bottom	18.4	27.2	26.7	26.7	5.50	5.49	5.49	80.7	80.4	3.22	3.24		4.2	4.3	
							27.1	26.7		5.47			80.1		3.26			4.4		
17-Oct-12	1823-1840	27/Cloudy	Small Wave	19.6	Surface	1.0	27.1	26.6	26.7	5.38	5.40	5.43	78.7	78.9	2.45	2.48	2.66	3.2	3.3	3.6
							27.1	26.7		5.41			79.1		2.51			3.4		
					Middle	9.8	27.1	26.7	26.8	5.45	5.47		79.7	79.9	2.58	2.61		3.6	3.6	
							27.1	26.8		5.48			80.1		2.63			3.6		
					Bottom	18.6	27.0	26.8	26.9	5.22	5.25	5.25	76.3	76.7	2.93	2.91		3.8	3.9	
							27.0	26.9		5.27			77.0		2.88			4.0		
19-Oct-12	0852-0909	25/Fine	Small Wave	19.3	Surface	1.0	26.7	26.6	26.7	5.51	5.49	5.54	79.8	79.5	4.27	4.26	4.16	5.6	5.4	5.1
							26.7	26.7		5.46			79.1		4.24			5.2		
					Middle	9.7	26.7	26.7	26.7	5.60	5.59		81.2	81.1	4.20	4.19		5.4	5.2	
							26.7	26.7		5.58			80.9		4.18			5.0		
					Bottom	18.3	26.8	26.7	26.8	5.54	5.56	5.56	80.4	80.7	4.05	4.03		4.8	4.8	
							26.7	26.8		5.57			80.9		4.01			4.8		
22-Oct-12	1226-1243	28/Fine	Small Wave	20.2	Surface	1.0	26.8	26.4	26.4	5.85	5.88	5.80	86.0	86.4	3.80	3.83	3.96	4.8	4.9	5.0
							26.9	26.4		5.90			86.7		3.85			5.0		
					Middle	10.1	26.6	26.6	26.7	5.73	5.72		84.2	84.0	3.94	3.96		4.8	4.9	
							26.6	26.7		5.70			83.8		3.97			5.0		
					Bottom	19.2	26.4	26.9	26.9	5.61	5.59	5.59	82.5	82.2	4.06	4.09		5.0	5.1	
							26.4	26.9		5.57			81.9		4.12			5.2		
24-Oct-12	1423-1440	28/Fine	Small Wave	20.4	Surface	1.0	26.8	26.4	26.4	5.8	5.8	5.7	84.3	84.0	3.7	3.8	3.9	4.8	4.7	4.8
							26.7	26.3		5.8			83.7		3.8			4.6		
					Middle	10.2	26.5	26.6	26.6	5.7	5.7		82.6	82.4	3.9	3.9		4.8	4.9	
							26.5	26.6		5.6			82.1		3.9			5.0		
					Bottom	19.4	26.3	26.9	26.9	5.5	5.5	5.5	80.4	80.7	4.0	4.0		5.0	4.9	
							26.3	26.8		5.6			81.0		4.1			4.8		

Mid-Flood Tide

Monitoring Station : C1a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
26-Oct-12	1552-1609	26/Cloudy	Small Wave	19.4	Surface	1.0	26.6	26.6	26.7	5.6	5.6	5.6	81.1	81.1	4.0	4.1	4.2	5.2	5.0	5.1
							26.6	26.7		5.6			81.0		4.1			4.8		
					Middle	9.7	26.5	26.8	26.8	5.6	5.7		82.3	82.4	4.2	4.2		5.2	5.1	
							26.5	26.7		5.7			82.4		4.2			5.0		
					Bottom	18.4	26.5	26.9	26.9	5.7	5.7		82.5	81.9	4.3	4.2		5.4	5.3	
							26.5	26.8		5.6			81.3		4.2			5.2		
29-Oct-12	1652-1709	27/Cloudy	Small Wave	20.0	Surface	1.0	26.6	26.8	26.9	5.6	5.5	5.5	81.9	81.4	4.1	4.0	4.1	4.8	4.7	5.0
							26.5	26.9		5.5			80.9		4.0			4.6		
					Middle	10.0	26.4	26.9	26.9	5.4	5.4		79.7	79.6	4.1	4.1		5.0	5.1	
							26.4	26.9		5.4			79.4		4.2			5.2		
					Bottom	19.0	26.3	27.0	27.1	5.4	5.4	5.4	79.0	78.8	4.2	4.2		5.2	5.1	
							26.3	27.1		5.4			78.5		4.2			5.0		
31-Oct-12	1753-1810	24/Cloudy	Small Wave	19.6	Surface	1.0	26.2	26.4	26.4	5.7	5.7	5.7	82.9	82.7	4.1	4.1	4.1	5.2	5.2	5.1
							26.3	26.4		5.7			82.4		4.1			5.2		
					Middle	9.8	26.1	26.5	26.6	5.6	5.6		81.7	81.5	4.0	4.0		5.0	4.9	
							26.1	26.6		5.6			81.2		4.0			4.8		
					Bottom	18.6	26.0	26.7	26.8	5.6	5.6	5.6	80.9	80.7	4.1	4.1		5.2	5.2	
							25.9	26.8		5.6			80.5		4.2			5.2		

Mid-Ebb Tide

Monitoring Station : M4a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
16-Apr-12	0945-1000	26/Cloudy	Calm	17.2	Surface	1.0	22.9	25.4	25.4	7.2	7.2	7.2	96.9	97.2	1.5	1.4	2.1	3.6	3.6	4.2
							22.9	25.4		7.2			97.4		1.4			3.6		
					Middle	8.6	22.1	26.6	26.6	7.2	7.2		97.6	97.5	1.6	1.6		3.4	3.6	
							22.1	26.6		7.2			97.3		1.7			3.8		
					Bottom	16.2	22.0	26.8	26.8	6.6	6.6	6.6	88.2	87.9	3.3	3.3		5.2	5.3	
							22.0	26.8		6.6			87.6		3.4			5.4		
18-Apr-12	1047-1102	22/Drizzle	Small Wave	17.2	Surface	1.0	22.7	24.5	24.5	7.2	7.2	7.2	96.5	96.7	1.5	1.5	1.8	3.6	3.7	4.0
							22.7	24.4		7.3			96.9		1.5			3.8		
					Middle	8.6	22.4	25.7	25.7	7.1	7.1		94.8	95.1	1.6	1.7		4.0	4.0	
							22.5	25.7		7.2			95.3		1.7			4.0		
					Bottom	16.2	22.1	26.5	26.6	6.9	6.9	6.9	92.2	92.0	2.2	2.3		4.2	4.3	
							22.2	26.6		6.9			91.8		2.3			4.4		
20-Apr-12	1229-1246	22/Rain	Great Wave	17.0	Surface	1.0	22.0	24.9	25.0	7.0	7.1	7.0	92.2	92.6	1.7	1.8	2.4	3.6	3.7	4.2
							21.9	25.0		7.1			92.9		1.8			3.8		
					Middle	8.5	22.0	26.1	26.2	6.9	6.9		90.4	90.7	2.0	2.0		4.0	4.0	
							21.9	26.2		6.9			90.9		2.1			4.0		
					Bottom	16.0	21.9	26.6	26.7	6.5	6.5	6.5	85.3	85.1	3.5	3.5		5.0	5.0	
							21.9	26.7		6.5			84.8		3.4			5.0		
23-Apr-12	1315-1330	25/Cloudy	Small Wave	17.4	Surface	1.0	22.4	25.7	25.7	6.8	6.8	6.7	90.4	90.3	2.8	2.7	3.2	3.8	3.8	4.2
							22.3	25.7		6.8			90.1		2.7			3.8		
					Middle	8.7	22.1	26.1	26.2	6.7	6.7		88.5	88.3	3.1	3.1		4.0	4.1	
							22.2	26.2		6.6			88.1		3.1			4.2		
					Bottom	16.4	26.1	26.1	26.1	6.6	6.6	6.6	87.7	87.5	3.7	3.7		4.8	4.7	
							26.1	26.1		6.6			87.2		3.7			4.6		
25-Apr-12	1357-1412	28/Cloudy	Calm	17.0	Surface	1.0	23.5	24.5	24.5	6.8	6.8	6.7	91.1	90.9	2.7	2.7	3.0	3.6	3.7	4.0
							23.6	24.5		6.8			90.6		2.7			3.8		
					Middle	8.5	23.5	26.2	26.2	6.6	6.6		88.7	88.5	3.0	3.0		4.0	4.0	
							23.4	26.2		6.6			88.2		3.0			4.0		
					Bottom	16.0	23.5	26.7	26.7	6.5	6.5	6.5	87.1	87.3	3.2	3.2		4.2	4.3	
							23.5	26.7		6.5			87.4		3.3			4.4		
27-Apr-12	1518-1533	25/Cloudy	Small Wave	17.0	Surface	1.0	23.6	25.4	25.4	7.3	7.4	7.3	99.7	100.0	1.6	1.6	1.8	3.0	2.9	3.0
							23.6	25.3		7.4			100.2		1.7			2.8		
					Middle	8.5	23.3	26.5	26.6	7.2	7.2		98.5	98.2	1.9	1.8		3.0	3.1	
							23.4	26.6		7.2			97.9		1.8			3.2		
					Bottom	16.0	23.0	27.5	27.6	7.1	7.0	7.0	96.7	96.2	2.0	2.0		3.0	3.1	
							23.0	27.6		7.0			95.6		2.0			3.2		
30-Apr-12	1850-1908	27/Cloudy	Calm	17.0	Surface	1.0	23.5	25.2	25.3	6.7	6.7	6.6	89.1	88.9	2.4	2.4	2.9	4.2	4.1	4.8
							23.5	25.3		6.7			88.7		2.4			4.0		
					Middle	8.5	23.4	26.4	26.5	6.5	6.5		86.8	86.5	2.9	2.9		4.8	4.9	
							23.4	26.5		6.5			86.2		2.9			5.0		
					Bottom	16.0	23.4	27.0	27.0	6.4	6.4	6.4	85.1	84.9	3.2	3.2		5.2	5.3	
							23.3	27.0		6.4			84.7		3.3			5.4		
2-May-12	1004-1019	29/Cloudy	Small Wave	16.8	Surface	1.0	25.5	26.1	26.1	7.2	7.2	7.1	102.5	102.7	1.6	1.6	1.9	2.8	2.9	3.2
							25.5	26.0		7.3			102.9		1.7			3.0		
					Middle	8.4	25.2	26.6	26.6	7.1	7.1		99.9	99.6	1.8	1.8		3.2	3.2	
							25.1	26.6		7.0			99.2		1.9			3.2		
					Bottom	15.8	24.9	27.9	27.9	6.8	6.9	6.9	96.6	97.0	2.1	2.2		3.4	3.4	
							24.8	27.8		6.9			97.3		2.2			3.4		

Mid-Ebb Tide

Monitoring Station : M4a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
4-May-12	0945-1000	28/Cloudy	Small Wave	16.8	Surface	1.0	26.7	25.8	25.8	6.4	6.4	6.3	91.5	91.8	2.6	2.6	3.2	3.6	3.7	4.3
							26.7	25.8		6.4			92.0		2.6			3.8		
					Middle	8.4	26.0	26.2	26.2	6.2	6.2		88.5	88.2	3.2	3.2		4.0	4.2	
							26.1	26.2		6.2			87.9		3.2			4.4		
					Bottom	15.8	25.9	26.5	26.5	6.1	6.1		86.3	86.0	3.8	3.9		5.0	5.1	
							25.9	26.4		6.0			85.7		3.9			5.2		
7-May-12	1217-1232	28/Fine	Small Wave	17.0	Surface	1.0	25.3	25.7	25.7	7.3	7.3	7.2	102.1	102.4	1.7	1.7	1.8	2.6	2.7	3.0
							25.3	25.6		7.3			102.7		1.7			2.8		
					Middle	8.5	25.0	26.7	26.7	7.1	7.1		98.9	99.4	1.8	1.8		2.8	2.9	
							25.1	26.7		7.1			99.8		1.8			3.0		
					Bottom	16.0	24.8	28.1	28.1	7.0	7.0	7.0	97.5	97.9	2.0	2.0		3.4	3.3	
							24.8	28.1		7.0			98.2		2.0			3.2		
9-May-12	1440-1458	32/Sunny	Calm	16.8	Surface	1.0	25.5	25.7	25.7	7.1	7.1	7.0	99.5	99.8	2.5	2.5	2.8	3.6	3.6	3.9
							25.5	25.7		7.1			100.1		2.5			3.6		
					Middle	8.4	25.4	26.0	26.0	6.9	6.9		97.0	97.4	2.7	2.7		3.8	3.8	
							25.4	26.0		6.9			97.7		2.7			3.8		
					Bottom	15.8	25.4	26.3	26.3	6.8	6.8	6.8	95.9	96.1	3.0	3.0		4.4	4.3	
							25.5	26.3		6.8			96.3		3.1			4.2		
11-May-12	1549-1604	29/Drizzle	Small Wave	17.0	Surface	1.0	26.3	25.3	25.3	7.3	7.3	7.2	103.1	102.8	1.8	1.8	1.9	2.8	2.8	3.0
							26.4	25.3		7.3			102.5		1.8			2.8		
					Middle	8.5	26.0	26.6	26.6	7.0	7.1		99.4	99.6	1.9	2.0		3.0	3.1	
							26.1	26.6		7.1			99.8		2.0			3.2		
					Bottom	16.0	25.8	27.7	27.7	6.8	6.9	6.9	96.3	96.8	2.1	2.1		3.0	3.1	
							25.7	27.6		6.9			97.3		2.1			3.2		
14-May-12	0845-0900	30/Cloudy	Small Wave	17.2	Surface	1.0	25.9	26.2	26.2	6.9	6.9	6.8	98.5	98.2	2.9	2.9	3.1	4.0	3.9	4.3
							25.8	26.1		6.9			97.9		2.9			3.8		
					Middle	8.6	25.7	27.8	27.8	6.6	6.6		93.3	93.0	3.1	3.1		4.2	4.4	
							25.7	27.7		6.6			92.7		3.1			4.6		
					Bottom	16.2	25.7	28.1	28.2	6.6	6.6	6.6	93.6	93.3	3.2	3.2		4.4	4.5	
							25.6	28.2		6.6			93.0		3.2			4.6		
16-May-12	1016-1031	27/Rainy	Great Wave	16.8	Surface	1.0	26.6	25.2	25.2	7.1	7.1	7.1	102.5	102.9	2.5	2.5	2.7	3.6	3.7	3.9
							26.5	25.1		7.2			103.2		2.5			3.8		
					Middle	8.4	26.3	26.2	26.2	7.0	7.0		101.0	101.2	2.7	2.8		3.8	3.8	
							26.3	26.2		7.0			101.4		2.8			3.8		
					Bottom	15.8	26.0	27.5	27.5	7.0	7.0	7.0	100.2	99.9	2.9	2.9		4.0	4.1	
							25.9	27.5		6.9			99.6		2.9			4.2		
18-May-12	1132-1149	26/Drizzle & Rainy	Small Wave	17.4	Surface	1.0	25.3	26.0	26.0	7.0	7.0	7.0	98.0	98.4	3.3	3.3	3.3	4.4	4.4	4.5
							25.4	25.9		7.1			98.7		3.3			4.4		
					Middle	8.7	25.3	26.4	26.5	6.9	6.9		96.2	96.5	3.3	3.2		4.4	4.3	
							25.3	26.5		6.9			96.7		3.2			4.2		
					Bottom	16.4	25.3	26.9	26.9	6.7	6.7	6.7	94.1	93.9	3.5	3.5		4.6	4.7	
							25.3	26.9		6.7			93.7		3.5			4.8		
21-May-12	1245-1300	28/Cloudy	Small Wave	17.2	Surface	1.0	26.7	25.9	25.9	6.3	6.3	6.1	89.0	89.2	3.0	3.0	3.5	4.0	4.0	4.4
							26.6	25.9		6.3			89.3		3.1			4.0		
					Middle	8.6	26.2	26.5	26.5	5.9	5.9		83.4	83.1	3.6	3.6		4.6	4.5	
							26.1	26.5		5.9			82.8		3.6			4.4		
					Bottom	16.2	25.9	26.9	27.0	5.8	5.8	5.8	82.5	82.3	3.7	3.7		4.8	4.7	
							25.8	27.0		5.8			82.0		3.7			4.6		

Mid-Ebb Tide

Monitoring Station : M4a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
23-May-12	1348-1405	26/Cloudy	Small Wave	16.8	Surface	1.0	25.3	25.8	25.8	7.0	7.0	6.9	98.0	98.3	2.2	2.2	2.4	3.2	3.3	3.5
							25.4	25.8		7.0			98.6		2.2			3.4		
					Middle	8.4	25.3	26.1	26.1	6.8	6.8		96.1	95.9	2.3	2.4		3.4	3.5	
							25.3	26.0		6.8			95.7		2.4			3.6		
					Bottom	15.8	25.2	26.2	26.2	6.7	6.7	6.7	94.2	94.5	2.6	2.6		3.8	3.8	
							25.2	26.2		6.7			94.7		2.6			3.8		
25-May-12	1346-1402	29/Cloudy	Small Wave	17.2	Surface	1.0	26.4	26.2	26.2	6.0	6.0	6.0	85.3	85.5	2.2	2.2	2.4	3.4	3.5	3.7
							26.4	26.2		6.0			85.7		2.3			3.6		
					Middle	8.6	26.4	26.6	26.7	6.0	6.0		84.9	84.8	2.4	2.4		3.6	3.7	
							26.4	26.7		6.0			84.6		2.4			3.8		
					Bottom	16.2	26.4	26.9	26.9	5.8	5.8	5.8	81.9	82.2	2.5	2.5		4.0	4.0	
							26.3	26.9		5.8			82.5		2.6			4.0		
28-May-12	1650-1707	26/Cloudy	Small Wave	17.0	Surface	1.0	26.4	25.1	25.1	6.2	6.2	6.1	88.0	87.8	3.2	3.1	3.3	4.2	4.1	4.2
							26.3	25.1		6.2			87.6		3.1			4.0		
					Middle	8.5	26.3	25.5	25.5	6.0	6.0		85.6	85.4	3.2	3.2		4.0	4.0	
							26.3	25.4		6.0			85.2		3.3			4.0		
					Bottom	16.0	26.2	25.6	25.7	5.2	5.5	5.5	82.5	82.8	3.4	3.4		4.4	4.4	
							26.2	25.7		5.9			83.1		3.4			4.4		
30-May-12	0823-0837	26/Cloudy	Small Wave	17.2	Surface	1.0	26.4	26.3	26.3	6.1	6.1	6.0	86.4	86.2	2.0	2.1	2.2	3.0	3.1	3.3
							26.5	26.3		6.0			85.9		2.1			3.2		
					Middle	8.6	26.4	26.5	26.6	5.9	5.9		84.6	84.3	2.2	2.3		3.4	3.4	
							26.4	26.6		5.9			84.0		2.3			3.4		
					Bottom	16.2	26.4	27.0	27.0	5.8	5.8	5.8	82.6	82.3	2.4	2.4		3.6	3.5	
							26.3	26.9		5.8			81.9		2.4			3.4		
1-Jun-12	0915-0930	29/Cloudy	Great Wave	16.8	Surface	1.0	26.9	25.8	25.8	6.8	6.8	6.7	98.3	98.5	2.5	2.5	2.8	3.6	3.7	4.0
							26.8	25.8		6.8			98.6		2.5			3.8		
					Middle	8.4	26.8	26.3	26.3	6.5	6.5		93.9	94.1	2.9	2.9		4.0	4.1	
							26.7	26.3		6.5			94.2		2.9			4.2		
					Bottom	15.8	26.7	26.3	26.3	6.5	6.5	6.5	93.7	93.5	3.0	3.0		4.0	4.1	
							26.7	26.2		6.4			93.3		3.0			4.2		
4-Jun-12	1220-1235	29/Cloudy	Small Wave	16.6	Surface	1.0	27.0	26.0	26.0	6.9	7.0	6.7	100.7	101.4	2.6	2.6	3.0	3.8	3.7	4.0
							27.1	25.9		7.0			102.1		2.5			3.6		
					Middle	8.3	26.8	26.4	26.4	6.4	6.5		93.4	94.2	2.9	3.0		4.0	4.0	
							26.7	26.3		6.5			94.9		3.0			4.0		
					Bottom	15.6	26.6	26.7	26.7	6.2	6.2	6.2	90.4	90.5	3.4	3.4		4.4	4.3	
							26.6	26.6		6.2			90.5		3.3			4.2		
6-Jun-12	1251-1307	29/Fine	Small Wave	16.2	Surface	1.0	27.1	25.9	26.0	6.6	6.7	6.5	96.4	97.0	2.3	2.4	2.8	3.4	3.5	3.9
							27.2	26.0		6.7			97.5		2.5			3.6		
					Middle	8.1	27.0	26.3	26.3	6.4	6.4		93.2	93.5	2.7	2.8		3.8	3.9	
							27.0	26.3		6.4			93.7		2.8			4.0		
					Bottom	15.2	26.8	26.6	26.6	6.2	6.2	6.2	90.4	89.9	3.2	3.3		4.2	4.3	
							26.7	26.5		6.1			89.3		3.4			4.4		
8-Jun-12	1417-1432	31/Fine	Calm	19.4	Surface	1.0	28.0	27.9	27.9	6.3	6.3	6.2	93.5	93.8	1.1	1.1	1.4	2.0	2.1	2.4
							28.0	27.9		6.3			94.1		1.2			2.2		
					Middle	9.7	27.7	28.0	28.0	6.1	6.1		91.0	90.4	1.4	1.5		2.4	2.5	
							27.7	28.0		6.0			89.7		1.6			2.6		
					Bottom	18.4	27.7	28.0	28.0	5.9	5.9	5.9	87.8	88.1	1.7	1.6		2.8	2.7	
							27.7	28.0		5.9			88.4		1.5			2.6		

Mid-Ebb Tide

Monitoring Station : M4a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
11-Jun-12	1645-1702	30/Cloudy	Calm	19.2	Surface	1.0	28.0	27.8	27.8	6.3	6.4	6.3	94.4	94.7	1.2	1.3	1.6	2.4	2.3	2.7
							28.0	27.8		6.4			95.0		1.3			2.2		
					Middle	9.6	27.8	27.9	27.9	6.2	6.1		91.9	91.5	1.6	1.7		2.8	2.8	
							27.8	27.9		6.1			91.1		1.7			2.8		
					Bottom	18.2	27.8	27.9	28.0	5.9	5.9		87.9	88.4	2.0	2.0		3.0	3.1	
							27.8	28.0		6.0			88.8		2.1			3.2		
13-Jun-12	0745-0800	29/Rainy	Small Wave	17.6	Surface	1.0	27.3	25.3	25.3	6.2	6.2	6.0	90.2	90.0	2.7	2.7	2.9	3.6	3.7	3.9
							27.2	25.2		6.1			89.7		2.8			3.8		
					Middle	8.8	26.9	26.8	26.8	5.9	5.8		85.5	85.2	3.0	3.0		4.0	4.1	
							27.0	26.8		5.8			84.9		3.1			4.2		
					Bottom	16.6	27.0	27.0	27.0	5.7	5.7		82.9	82.6	3.0	3.0		4.0	4.0	
							27.1	27.0		5.6			82.3		2.9			4.0		
15-Jun-12	0952-1009	28/Cloudy	Great Wave	19.2	Surface	1.0	27.7	27.7	27.8	6.3	6.3	6.3	93.2	93.0	1.2	1.2	1.4	2.4	2.5	2.5
							27.7	27.8		6.3			92.8		1.3			2.6		
					Middle	9.6	27.5	28.1	28.1	6.2	6.2		91.5	91.2	1.4	1.5		2.2	2.3	
							27.4	28.1		6.2			90.9		1.5			2.4		
					Bottom	18.2	27.1	28.3	28.3	6.0	6.0	6.0	88.7	88.4	1.6	1.6		2.6	2.7	
							27.2	28.3		6.0			88.1		1.6			2.8		
18-Jun-12	1117-1135	28/Cloudy	Great Wave	19.6	Surface	1.0	27.6	27.2	27.3	6.2	6.2	6.1	91.8	91.6	1.7	1.7	2.1	2.8	2.8	3.2
							27.7	27.3		6.2			91.3		1.7			2.8		
					Middle	9.8	27.7	27.7	27.7	6.1	6.1		90.1	90.4	2.0	2.1		3.0	3.1	
							27.7	27.7		6.1			90.7		2.1			3.2		
					Bottom	18.6	27.6	27.8	27.9	5.9	5.9	5.9	87.5	87.8	2.5	2.5		3.6	3.7	
							27.5	27.9		6.0			88.1		2.5			3.8		
20-Jun-12	1252-1308	30/Fine	Great Wave	19.4	Surface	1.0	27.5	27.8	27.8	6.2	6.2	6.2	91.4	91.6	1.4	1.4	1.6	2.4	2.5	2.7
							27.6	27.8		6.3			91.8		1.4			2.6		
					Middle	9.7	27.4	28.2	28.3	6.2	6.2		90.7	90.5	1.6	1.6		2.6	2.7	
							27.4	28.3		6.1			90.3		1.6			2.8		
					Bottom	18.4	27.1	28.5	28.6	6.0	6.0	6.0	88.5	88.7	1.8	1.8		2.8	2.9	
							27.2	28.6		6.0			88.8		1.8			3.0		
22-Jun-12	1345-1400	28/Drizzle	Small Wave	17.2	Surface	1.0	27.9	26.7	26.7	6.0	6.0	5.9	87.6	87.5	3.1	3.0	3.0	4.2	4.1	4.0
							27.8	26.7		6.0			87.4		3.0			4.0		
					Middle	8.6	27.6	26.9	26.9	5.8	5.8		85.4	85.1	2.8	2.8		3.8	3.9	
							27.5	26.9		5.8			84.8		2.8			4.0		
					Bottom	16.2	27.5	27.1	27.1	5.7	5.7	5.7	84.2	83.9	3.0	3.0		4.0	4.0	
							27.9	27.1		5.7			83.6		3.1			4.0		
25-Jun-12	1549-1605	29/Cloudy	Small Wave	16.8	Surface	1.0	28.2	26.6	26.6	5.9	5.8	5.7	86.0	85.7	3.3	3.2	3.4	4.2	4.1	4.4
							28.2	26.5		5.8			85.3		3.2			4.0		
					Middle	8.4	28.1	26.9	26.9	5.6	5.6		82.8	82.5	3.5	3.5		4.4	4.5	
							28.0	26.9		5.6			82.2		3.4			4.6		
					Bottom	15.8	28.0	26.9	27.0	5.6	5.6	5.6	82.1	82.4	3.5	3.5		4.6	4.7	
							27.9	27.0		5.6			82.6		3.4			4.8		
27-Jun-12	1719-1735	30/Fine	Small Wave	19.2	Surface	1.0	28.4	25.5	25.5	5.9	5.9	5.8	85.7	85.5	1.8	1.8	2.0	2.8	2.7	2.6
							28.4	25.5		5.9			85.2		1.8			2.6		
					Middle	9.6	28.2	25.5	25.5	5.8	5.8		83.7	83.4	1.6	1.6		2.4	2.5	
							28.2	25.4		5.7			83.1		1.6			2.6		
					Bottom	18.2	27.7	25.8	25.8	5.6	5.6	5.6	81.2	81.5	2.5	2.6		2.6	2.7	
							27.7	25.8		5.6			81.8		2.6			2.8		

Mid-Ebb Tide

Monitoring Station : M4a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
29-Jun-12	0835-0850	28/Fine	Small Wave	19.2	Surface	1.0	28.7	27.8	27.8	6.2	6.3	6.2	93.3	93.6	1.2	1.3	1.9	2.2	2.3	2.8
							28.6	27.8		6.3			93.9		1.3			2.4		
					Middle	9.6	28.4	28.2	28.2	6.1	6.1		91.5	91.2	1.4	1.4		2.2	2.4	
							28.3	28.2		6.1			90.9		1.4			2.6		
					Bottom	18.2	27.9	28.4	28.5	5.9	5.9	5.9	88.3	88.6	2.9	3.0		3.8	3.7	
							28.0	28.5		6.0			88.8		3.0			3.6		
4-Jul-12	1221-1237	32/Fine	Small Wave	19.4	Surface	1.0	28.1	27.5	27.5	6.1	6.1	6.1	90.6	90.4	1.7	1.7	1.9	2.4	2.5	2.8
							28.1	27.5		6.1			90.1		1.7			2.6		
					Middle	9.7	27.7	27.9	27.9	6.0	6.0		88.8	89.2	1.8	1.9		2.8	2.8	
							27.8	27.9		6.1			89.6		1.9			2.8		
					Bottom	18.4	27.5	28.1	28.1	5.9	5.9	5.9	87.2	86.9	2.1	2.0		3.2	3.1	
							27.4	28.0		5.9			86.6		2.0			3.0		
6-Jul-12	1426-1435	28/Cloudy	Calm	19.0	Surface	1.0	27.3	23.9	23.9	5.1	5.1	5.3	72.8	73.7	2.1	2.2	3.1	3.0	3.2	4.0
							27.2	23.8		5.2			74.5		2.4			3.4		
					Middle	9.5	27.1	24.2	24.2	5.4	5.4		77.4	77.3	2.0	2.0		3.0	2.9	
							27.1	24.1		5.4			77.1		2.1			2.8		
					Bottom	18.0	27.2	24.3	24.3	5.4	5.5	5.5	76.4	78.6	5.1	5.2		5.8	5.9	
							27.2	24.3		5.6			80.7		5.2			6.0		
9-Jul-12	1538-1555	32/Fine	Calm	18.0	Surface	1.0	27.9	24.9	24.9	5.6	5.6	5.6	81.9	82.3	2.4	2.5	3.2	3.4	3.5	4.2
							28.0	24.9		5.7			82.6		2.5			3.6		
					Middle	9.0	27.9	24.9	25.0	5.5	5.5		80.4	80.6	2.7	2.7		3.8	3.9	
							27.9	25.0		5.5			80.7		2.7			4.0		
					Bottom	17.0	27.7	25.0	25.0	5.4	5.4	5.4	78.1	78.4	4.3	4.3		5.2	5.2	
							27.7	25.0		5.4			78.7		4.3			5.2		
11-Jul-12	1653-1710	33/Fine	Small Wave	19.2	Surface	1.0	28.1	25.7	25.7	6.2	6.2	6.1	91.5	91.8	1.8	1.8	2.1	3.0	3.0	3.2
							28.1	25.6		6.2			92.1		1.8			3.0		
					Middle	9.6	27.8	26.0	26.0	6.1	6.1		89.5	89.8	2.0	2.0		2.8	2.9	
							27.8	26.0		6.1			90.1		2.0			3.0		
					Bottom	18.2	27.4	26.3	26.3	5.9	5.9	5.9	87.1	87.4	2.5	2.6		3.6	3.6	
							27.4	26.3		5.9			87.6		2.6			3.6		
13-Jul-12	0845-0902	29/Cloudy	Small Wave	19.0	Surface	1.0	28.1	24.3	24.4	5.7	5.7	5.6	82.5	82.2	2.9	2.9	3.4	3.8	3.8	4.2
							28.1	24.4		5.6			81.9		2.8			3.8		
					Middle	9.5	27.8	24.5	24.5	5.6	5.5		80.9	80.6	3.0	3.1		4.0	4.0	
							27.8	24.4		5.5			80.2		3.1			4.0		
					Bottom	18.0	27.5	24.7	24.8	5.5	5.5	5.5	79.9	79.6	4.2	4.2		4.8	4.8	
							27.6	24.8		5.5			79.3		4.2			4.8		
16-Jul-12	1015-1033	30/Fine	Calm	19.6	Surface	1.0	27.9	23.6	23.7	6.0	6.0	5.9	86.5	86.8	3.4	3.4	3.6	4.4	4.3	4.6
							27.9	23.7		6.1			87.1		3.3			4.2		
					Middle	9.8	27.8	23.9	23.9	5.9	5.8		84.4	84.1	3.7	3.6		4.6	4.6	
							27.8	23.9		5.8			83.7		3.6			4.6		
					Bottom	18.6	27.8	24.1	24.1	5.6	5.6	5.6	80.2	80.4	3.8	3.8		4.8	4.8	
							27.7	24.1		5.6			80.6		3.8			4.8		
18-Jul-12	1144-1202	28/Cloudy	Small Wave	19.4	Surface	1.0	28.0	23.5	23.5	6.0	6.0	5.9	87.3	87.0	3.6	3.6	3.6	4.6	4.5	4.6
							28.0	23.4		5.9			86.6		3.6			4.4		
					Middle	9.7	27.6	23.7	23.8	5.8	5.8		84.5	84.2	3.7	3.8		4.8	4.7	
							27.7	23.8		5.7			83.8		3.8			4.6		
					Bottom	18.4	27.4	23.9	24.0	5.7	5.7	5.7	82.9	82.6	3.5	3.6		4.6	4.7	
							27.5	24.0		5.6			82.3		3.6			4.8		

Mid-Ebb Tide

Monitoring Station : M4a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
20-Jul-12	1247-1305	32/Fine	Small Wave	19.6	Surface	1.0	28.3	23.9	23.9	6.2	6.2	6.1	90.6	90.3	3.4	3.4	3.6	4.4	4.5	4.7
							28.4	23.8		6.2			90.0		3.4			4.6		
					Middle	9.8	28.2	24.1	24.1	6.0	6.0		87.8	88.1	3.5	3.5		4.8	4.7	
							28.2	24.0		6.1			88.4		3.6			4.6		
					Bottom	18.6	27.9	24.4	24.4	5.9	5.9	5.9	85.4	85.6	3.8	3.8		4.8	4.9	
							27.9	24.4		5.9			85.8		3.8			5.0		
25-Jul-12	1622-1640	26/Rainy	Small Wave	19.6	Surface	1.0	26.6	29.2	29.2	5.7	5.7	5.6	79.9	80.2	2.6	2.6	2.9	3.4	3.5	3.8
							26.6	29.1		5.7			80.5		2.6			3.6		
					Middle	9.8	26.5	29.5	29.5	5.6	5.6		78.6	78.4	2.9	2.9		3.8	3.9	
							26.5	29.5		5.5			78.1		3.0			4.0		
					Bottom	18.6	26.5	29.8	29.8	5.3	5.3	5.3	75.0	75.2	3.1	3.1		4.0	4.1	
							26.4	29.8		5.4			75.4		3.1			4.2		
27-Jul-12	1820-1838	28/Rainy	Great Wave	19.8	Surface	1.0	26.4	25.4	25.4	6.2	6.2	6.1	89.6	89.4	3.6	3.6	3.7	4.4	4.5	4.8
							26.5	25.3		6.2			89.1		3.6			4.6		
					Middle	9.9	26.2	25.7	25.8	6.1	6.0		87.4	87.1	3.7	3.7		4.8	4.9	
							26.2	25.8		6.0			86.7		3.7			5.0		
					Bottom	18.8	26.0	26.2	26.2	6.0	5.9	5.9	85.7	85.4	3.9	3.9		4.8	4.9	
							26.0	26.2		5.9			85.1		3.9			5.0		
30-Jul-12	0945-1000	30/Sunny	Small Wave	17.2	Surface	1.0	27.5	29.8	29.9	5.9	5.9	5.9	87.2	86.9	3.6	3.6	3.7	4.4	4.5	4.6
							27.4	29.9		5.9			86.6		3.6			4.6		
					Middle	8.6	27.2	30.2	30.2	5.8	5.8		85.4	85.1	3.5	3.5		4.4	4.5	
							27.1	30.2		5.8			84.8		3.5			4.6		
					Bottom	16.2	27.1	30.5	30.5	5.8	5.7	5.7	84.4	84.1	3.9	3.9		4.8	4.9	
							27.1	30.5		5.7			83.8		3.9			5.0		
1-Aug-12	1145-1201	30/Fine	Small Wave	17.0	Surface	1.0	27.7	29.7	29.7	5.8	5.9	5.8	85.7	86.1	3.5	3.5	3.6	4.6	4.6	4.6
							27.6	29.6		5.9			86.4		3.6			4.6		
					Middle	8.5	27.5	29.8	29.9	5.7	5.8		84.1	84.5	3.5	3.5		4.8	4.6	
							27.4	29.9		5.8			84.8		3.4			4.4		
					Bottom	16.0	27.2	30.1	30.2	5.6	5.6	5.6	82.7	82.4	3.7	3.7		4.6	4.7	
							27.2	30.2		5.6			82.1		3.7			4.8		
3-Aug-12	1322-1340	33/Cloudy	Small Wave	17.2	Surface	1.0	28.1	29.6	29.6	6.0	6.0	5.9	88.7	88.9	3.6	3.6	3.6	4.6	4.5	4.6
							28.1	29.5		6.0			89.1		3.6			4.4		
					Middle	8.6	27.9	29.8	29.9	5.9	5.9		87.3	87.0	3.5	3.5		4.6	4.6	
							27.8	29.9		5.9			86.6		3.5			4.6		
					Bottom	16.2	27.6	30.3	30.3	5.8	5.7	5.7	85.2	84.9	3.7	3.7		4.8	4.8	
							27.6	30.3		5.7			84.5		3.7			4.8		
6-Aug-12	1400-1416	33/Fine	Small Wave	18.4	Surface	1.0	27.5	25.8	25.8	4.8	4.8	4.6	69.7	70.0	2.5	2.4	2.9	3.6	3.5	4.0
							27.5	25.8		4.8			70.2		2.4			3.4		
					Middle	9.2	26.7	26.2	26.2	4.4	4.4		62.7	63.0	2.7	2.7		3.8	3.9	
							26.7	26.2		4.4			63.2		2.8			4.0		
					Bottom	17.4	25.4	27.3	27.3	3.9	4.0	4.0	55.8	56.2	3.6	3.6		4.6	4.7	
							25.4	27.3		4.0			56.5		3.7			4.8		
8-Aug-12	1520-1537	33/Fine	Small Wave	18.0	Surface	1.0	27.8	26.4	26.4	5.6	5.6	5.6	80.9	81.2	3.2	3.2	3.3	4.2	4.2	4.3
							27.9	26.4		5.6			81.4		3.2			4.2		
					Middle	9.0	27.5	26.6	26.6	5.6	5.6		81.4	81.7	3.1	3.1		4.0	4.1	
							27.5	26.5		5.7			81.9		3.1			4.2		
					Bottom	17.0	27.4	27.0	27.0	5.6	5.5	5.5	80.4	80.2	3.6	3.6		4.6	4.6	
							27.3	27.0		5.5			80.0		3.5			4.6		

Mid-Ebb Tide

Monitoring Station : M4a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
10-Aug-12	1619-1637	33/Cloudy	Small Wave	18.0	Surface	1.0	28.3	26.3	26.3	5.7	5.7	5.6	84.1	83.9	2.8	2.8	3.0	3.8	3.9	4.1
							28.2	26.3		5.7			83.6		2.9			4.0		
					Middle	9.0	28.0	26.6	26.7	5.5	5.5		81.3	80.9	3.0	3.0		4.0	4.1	
							28.0	26.7		5.4			80.5		3.1			4.2		
					Bottom	17.0	27.8	26.9	27.0	5.3	5.3		78.7	78.9	3.2	3.2		4.2	4.3	
							27.7	27.0		5.3			79.0		3.2			4.4		
13-Aug-12	0953-1011	27/Cloudy	Small Wave	18.2	Surface	1.0	27.7	25.3	25.4	5.9	5.9	5.9	85.8	86.0	3.0	3.1	3.2	4.0	4.0	4.2
							27.8	25.4		6.0			86.2		3.1			4.0		
					Middle	9.1	27.5	25.7	25.7	5.8	5.8		84.7	84.5	3.2	3.2		4.2	4.2	
							27.4	25.7		5.8			84.2		3.2			4.2		
					Bottom	17.2	27.2	26.2	26.2	5.6	5.6		81.6	81.9	3.3	3.3		4.4	4.4	
							27.2	26.2		5.7			82.1		3.3			4.4		
15-Aug-12	1150-1207	31/Sunny	Calm	19.6	Surface	1.0	28.2	27.5	27.5	6.0	6.0	5.9	87.0	87.3	2.3	2.3	2.6	3.2	3.3	3.6
							28.2	27.4		6.0			87.6		2.4			3.4		
					Middle	9.8	28.1	27.5	27.6	5.8	5.8		84.8	85.3	2.6	2.6		3.6	3.5	
							28.2	27.6		5.9			85.7		2.5			3.4		
					Bottom	18.6	27.8	27.7	27.8	5.7	5.7	5.7	82.4	82.8	2.9	2.9		3.8	3.9	
							27.9	27.8		5.7			83.1		2.9			4.0		
17-Aug-12	1220-1237	29/Cloudy	Great Wave	19.2	Surface	1.0	27.8	26.8	26.8	6.1	6.1	6.0	88.0	87.8	2.5	2.5	2.5	3.4	3.5	3.5
							27.8	26.7		6.0			87.6		2.5			3.6		
					Middle	9.6	27.5	27.0	27.0	6.0	5.9		86.2	86.0	2.4	2.3		3.4	3.3	
							27.4	26.9		5.9			85.8		2.3			3.2		
					Bottom	18.2	27.3	27.1	27.2	5.8	5.8	5.8	84.2	84.5	2.7	2.8		3.6	3.7	
							27.2	27.2		5.8			84.7		2.8			3.8		
20-Aug-12	1409-1426	32/Fine	Small Wave	18.2	Surface	1.0	27.9	25.8	25.8	5.9	5.9	5.9	86.9	87.1	2.9	3.0	3.1	3.8	3.8	4.0
							28.0	25.7		5.9			87.3		3.0			3.8		
					Middle	9.1	27.6	26.2	26.2	5.8	5.8		85.8	85.6	3.1	3.1		4.0	4.1	
							27.7	26.1		5.8			85.3		3.1			4.2		
					Bottom	17.2	27.3	26.6	26.6	5.7	5.7	5.7	83.9	83.6	3.2	3.2		4.2	4.2	
							27.3	26.6		5.7			83.3		3.2			4.2		
22-Aug-12	1526-1543	32/Cloudy	Calm	19.2	Surface	1.0	28.0	29.4	29.4	5.5	5.5	5.4	78.9	79.2	2.8	2.8	3.0	3.8	3.9	4.1
							28.1	29.4		5.5			79.4		2.9			4.0		
					Middle	9.6	27.9	29.6	29.6	5.4	5.4		77.3	77.6	3.0	3.0		4.2	4.0	
							27.9	29.6		5.4			77.9		3.0			3.8		
					Bottom	18.2	27.7	29.9	30.0	5.1	5.1	5.1	73.5	73.9	3.2	3.2		4.4	4.3	
							27.8	30.0		5.2			74.3		3.2			4.2		
24-Aug-12	1648-1705	33/Fine	Small Wave	19.4	Surface	1.0	27.9	27.4	27.4	6.0	6.0	5.9	88.5	88.1	2.3	2.3	2.4	3.4	3.3	3.6
							28.0	27.4		6.0			87.7		2.3			3.2		
					Middle	9.7	27.6	27.7	27.8	5.9	5.9		86.7	86.5	2.5	2.5		3.6	3.6	
							27.6	27.8		5.9			86.3		2.5			3.6		
					Bottom	18.4	27.3	28.3	28.3	5.8	5.7	5.7	84.7	84.3	2.6	2.6		3.8	3.8	
							27.2	28.2		5.7			83.9		2.6			3.8		
27-Aug-12	0918-0935	29/Fine	Calm	18.0	Surface	1.0	27.8	27.1	27.2	6.0	6.0	5.9	87.6	87.9	2.3	2.4	2.5	3.4	3.5	3.7
							27.8	27.2		6.0			88.1		2.4			3.6		
					Middle	9.0	27.5	27.6	27.6	5.9	5.8		86.1	85.9	2.5	2.5		3.8	3.7	
							27.5	27.6		5.8			85.7		2.6			3.6		
					Bottom	17.0	27.2	28.0	28.1	5.7	5.7	5.7	84.1	83.8	2.7	2.7		3.8	3.9	
							27.2	28.1		5.7			83.5		2.7			4.0		

Mid-Ebb Tide

Monitoring Station : M4a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
29-Aug-12	1047-1104	29/Fine	Small Wave	17.8	Surface	1.0	28.0	27.3	27.3	6.0	5.9	5.9	87.6	87.3	2.2	2.2	2.4	3.2	3.3	3.5
							28.1	27.2		5.9			86.9		2.2			3.4		
					Middle	8.9	27.8	27.5	27.5	5.8	5.8		86.0	85.7	2.4	2.4		3.6	3.6	
							27.7	27.5		5.8			85.4		2.3			3.6		
					Bottom	16.8	27.6	27.7	27.8	5.8	5.7	5.7	84.8	84.5	2.5	2.5		3.8	3.6	
							27.5	27.8		5.7			84.2		2.5			3.4		
31-Aug-12	1222-1240	29/Fine	Calm	18.6	Surface	1.0	27.5	26.3	26.4	5.2	5.2	5.2	75.9	75.7	2.6	2.6	2.5	3.4	3.5	3.5
							27.4	26.4		5.2			75.5		2.6			3.6		
					Middle	9.3	27.3	26.5	26.5	5.1	5.1		73.8	74.0	2.3	2.4		3.4	3.3	
							27.4	26.5		5.1			74.2		2.4			3.2		
					Bottom	17.6	27.2	26.7	26.7	5.0	5.0	5.0	71.9	72.2	2.7	2.7		3.6	3.7	
							27.2	26.7		5.0			72.4		2.7			3.8		
3-Sep-12	1335-1350	32/Fine	Small Wave	19.6	Surface	1.0	29.0	24.8	24.8	6.8	6.8	5.8	100.1	100.0	2.2	2.1	2.2	3.2	3.1	3.3
							28.6	24.8		6.8			99.8		2.1			3.0		
					Middle	9.8	27.6	25.5	25.4	4.8	4.8		96.6	96.9	2.2	2.3		3.4	3.5	
							27.8	25.3		4.8			97.1		2.3			3.6		
					Bottom	18.6	27.2	25.8	25.7	3.8	3.8	3.8	55.8	56.0	2.4	2.4		3.4	3.3	
							27.5	25.5		3.8			56.1		2.3			3.2		
5-Sep-12	1450-1507	31/Fine	Small Wave	18.0	Surface	1.0	27.9	27.4	27.4	6.1	6.1	6.0	90.1	89.8	2.3	2.4	2.5	3.4	3.4	3.5
							28.0	27.3		6.1			89.5		2.4			3.4		
					Middle	9.0	27.6	27.8	27.8	6.0	6.0		88.5	88.1	2.7	2.7		3.6	3.7	
							27.6	27.8		5.9			87.6		2.7			3.8		
					Bottom	17.0	27.3	28.3	28.3	5.8	5.8	5.8	86.0	85.7	2.5	2.5		3.4	3.5	
							27.2	28.2		5.8			85.3		2.6			3.6		
7-Sep-12	1517-1533	30/Cloudy	Small Wave	17.6	Surface	1.0	27.6	27.3	27.3	6.0	6.0	6.0	88.5	88.9	2.2	2.2	2.5	3.0	3.2	3.5
							27.5	27.3		6.1			89.3		2.3			3.4		
					Middle	8.8	27.4	27.7	27.7	5.9	5.9		87.5	87.3	2.5	2.5		3.6	3.7	
							27.3	27.6		5.9			87.0		2.5			3.8		
					Bottom	16.6	27.2	28.1	28.1	5.8	5.8	5.8	86.0	85.8	2.6	2.6		3.6	3.6	
							27.1	28.0		5.8			85.6		2.7			3.6		
10-Sep-12	0834-0851	28/Fine	Small Wave	18.0	Surface	1.0	27.7	27.6	27.7	6.1	6.1	6.0	90.1	90.4	2.3	2.3	2.6	3.2	3.3	3.7
							27.7	27.7		6.1			90.6		2.4			3.4		
					Middle	9.0	27.4	28.0	28.1	6.0	6.0		88.4	88.0	2.6	2.6		3.8	3.8	
							27.5	28.1		5.9			87.6		2.7			3.8		
					Bottom	17.0	27.2	28.3	28.4	5.9	5.9	5.9	86.7	86.5	2.8	2.8		3.8	3.9	
							27.1	28.4		5.9			86.3		2.8			4.0		
12-Sep-12	0953-1010	29/Fine	Calm	19.2	Surface	1.0	27.7	26.8	26.9	6.5	6.5	6.3	94.6	94.8	2.6	2.6	2.8	3.4	3.5	3.6
							27.7	26.9		6.5			95.0		2.6			3.6		
					Middle	9.6	27.6	27.1	27.1	6.1	6.2		89.6	90.0	2.8	2.8		3.6	3.7	
							27.6	27.0		6.2			90.3		2.8			3.8		
					Bottom	18.2	27.5	27.2	27.2	5.9	5.9	5.9	85.9	85.7	3.1	3.1		3.6	3.7	
							27.5	27.2		5.9			85.4		3.1			3.8		
14-Sep-12	1123-1140	29/Fine	Small Wave	19.2	Surface	1.0	27.9	26.9	26.9	6.5	6.6	6.4	95.5	95.8	2.8	2.8	3.1	3.8	3.7	4.1
							27.9	26.9		6.6			96.1		2.8			3.6		
					Middle	9.6	27.8	27.1	27.2	6.3	6.3		91.5	91.7	3.0	3.0		4.0	4.0	
							27.7	27.2		6.3			91.9		3.1			4.0		
					Bottom	18.2	27.6	27.3	27.3	5.8	5.8	5.8	84.8	85.2	3.4	3.4		4.4	4.5	
							27.6	27.3		5.9			85.6		3.4			4.6		

Mid-Ebb Tide

Monitoring Station : M4a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
17-Sep-12	1316-1334	29/Fine	Small Wave	19.0	Surface	1.0	27.7	26.9	27.0	6.3	6.3	6.2	91.4	91.7	2.8	2.8	2.9	3.6	3.5	3.8
							27.8	27.0		6.3			92.0		2.7			3.4		
					Middle	9.5	27.6	27.1	27.1	6.2	6.2		90.0	89.8	3.0	2.9		3.8	3.8	
							27.5	27.1		6.1			89.6		2.9			3.8		
					Bottom	18.0	27.4	27.3	27.3	5.9	5.9	5.9	86.6	86.3	3.1	3.1		4.2	4.1	
							27.5	27.2		5.9			86.0		3.0			4.0		
19-Sep-12	1420-1438	28/Cloudy	Calm	19.2	Surface	1.0	26.7	26.8	26.8	6.3	6.3	6.2	92.3	92.0	3.0	3.0	3.3	3.6	3.7	4.1
							26.7	26.8		6.3			91.7		3.0			3.8		
					Middle	9.6	26.6	27.0	27.0	6.2	6.1		89.9	89.6	3.2	3.2		4.0	4.1	
							26.5	26.9		6.1			89.2		3.3			4.2		
					Bottom	18.2	26.3	27.1	27.1	5.9	5.9	5.9	86.4	86.0	3.5	3.5		4.4	4.5	
							26.3	27.1		5.9			85.5		3.6			4.6		
21-Sep-12	1549-1606	30/Cloudy	Small Wave	19.2	Surface	1.0	27.7	25.7	25.7	6.0	6.0	6.0	88.5	88.8	2.6	2.7	2.9	3.8	3.7	4.0
							27.7	25.6		6.1			89.0		2.7			3.6		
					Middle	9.6	27.4	26.1	26.1	5.9	5.9		86.6	86.4	2.8	2.9		4.0	3.9	
							27.5	26.0		5.9			86.2		2.9			3.8		
					Bottom	18.2	27.1	26.4	26.4	5.8	5.8	5.8	84.9	84.6	3.2	3.2		4.2	4.3	
							27.0	26.3		5.7			84.3		3.2			4.4		
24-Sep-12	1848-1905	28/Cloudy	Small Wave	17.8	Surface	1.0	27.6	26.4	26.4	6.4	6.4	6.3	93.8	94.1	2.4	2.4	2.8	3.4	3.5	3.8
							27.5	26.4		6.4			94.4		2.4			3.6		
					Middle	8.9	27.2	26.8	26.9	6.2	6.1		90.6	90.3	2.8	2.8		3.8	3.9	
							27.2	26.9		6.1			90.0		2.8			4.0		
					Bottom	16.8	26.9	27.3	27.3	6.0	6.0	6.0	88.3	88.1	3.1	3.1		4.0	4.1	
							27.0	27.2		6.0			87.8		3.1			4.2		
26-Sep-12	0949-1005	28/Cloudy	Small Wave	17.4	Surface	1.0	27.6	26.4	26.4	6.3	6.3	6.2	92.0	92.4	2.6	2.6	2.9	3.6	3.7	3.9
							27.5	26.3		6.3			92.8		2.6			3.8		
					Middle	8.7	27.3	26.7	26.8	6.1	6.2		90.0	90.3	2.9	2.9		3.8	3.9	
							27.3	26.8		6.2			90.5		2.9			4.0		
					Bottom	16.4	27.1	27.1	27.2	6.0	6.0	6.0	87.8	88.0	3.1	3.1		4.0	4.1	
							27.1	27.2		6.0			88.2		3.1			4.2		
28-Sep-12	1045-1100	29/Sunny	Small Wave	17.4	Surface	1.0	27.7	26.6	26.6	5.9	5.9	5.8	86.9	86.6	3.0	2.9	3.3	3.8	3.9	4.3
							27.7	26.5		5.8			86.3		2.9			4.0		
					Middle	8.7	27.4	27.0	27.1	5.7	5.7		84.4	84.1	3.2	3.3		4.2	4.3	
							27.3	27.1		5.7			83.8		3.3			4.4		
					Bottom	16.4	27.3	27.1	27.1	5.7	5.7	5.7	83.5	83.4	3.8	3.8		4.6	4.7	
							27.3	27.1		5.6			83.2		3.8			4.8		
3-Oct-12	1349-1406	29/Fine	Small Wave	18.8	Surface	1.0	27.6	27.7	27.7	5.8	5.8	5.7	85.5	85.7	2.2	2.2	2.5	3.2	3.3	3.6
							27.6	27.7		5.8			85.8		2.3			3.4		
					Middle	9.4	27.5	27.9	27.9	5.6	5.6		82.9	83.1	2.5	2.5		3.6	3.7	
							27.4	27.9		5.7			83.3		2.6			3.8		
					Bottom	17.8	27.3	28.1	28.1	5.5	5.5	5.5	81.3	81.5	2.7	2.7		3.8	3.7	
							27.3	28.1		5.6			81.7		2.7			3.6		
5-Oct-12	1507-1524	28/Fine	Small Wave	18.2	Surface	1.0	27.7	27.7	27.7	5.8	5.8	5.7	84.5	84.9	2.2	2.2	2.4	3.2	3.3	3.6
							27.8	27.7		5.8			85.2		2.2			3.4		
					Middle	9.1	27.5	27.9	27.9	5.6	5.6		82.7	82.9	2.4	2.4		3.4	3.5	
							27.4	27.8		5.7			83.1		2.4			3.6		
					Bottom	17.2	27.2	28.1	28.2	5.5	5.5	5.5	80.7	80.5	2.6	2.6		3.8	3.9	
							27.3	28.2		5.5			80.3		2.7			4.0		

Mid-Ebb Tide

Monitoring Station : M4a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
8-Oct-12	0701-0718	26/Cloudy	Small Wave	18.0	Surface	1.0	27.5	26.7	26.7	5.6	5.6	5.6	82.2	82.5	3.0	3.0	3.1	3.8	3.9	4.1
							27.4	26.7		5.7			82.7		3.0			4.0		
					Middle	9.0	27.3	26.9	26.9	5.6	5.6		81.7	81.4	3.2	3.2		4.2	4.1	
							27.3	26.8		5.5			81.1		3.1			4.0		
					Bottom	17.0	27.2	27.1	27.1	5.5	5.5	5.5	80.5	80.2	3.3	3.3		4.2	4.3	
							27.1	27.1		5.5			79.8		3.3			4.4		
10-Oct-12	0817-0833	25/Fine	Small Wave	17.8	Surface	1.0	27.4	26.7	26.7	5.7	5.7	5.6	83.4	83.1	3.0	3.1	3.2	3.8	3.8	4.2
							27.4	26.6		5.7			82.8		3.1			3.8		
					Middle	8.9	27.2	26.8	26.8	5.6	5.6		81.9	82.2	3.2	3.2		4.2	4.2	
							27.3	26.8		5.6			82.4		3.2			4.2		
					Bottom	16.8	27.1	27.0	27.0	5.5	5.5	5.5	80.6	80.9	3.3	3.3		4.4	4.5	
							27.1	26.9		5.5			81.1		3.3			4.6		
12-Oct-12	0920-0938	27/Fine	Small Wave	18.8	Surface	1.0	27.4	26.7	26.7	5.7	5.6	5.5	83.2	82.9	2.9	2.9	3.2	3.8	3.7	3.5
							27.4	26.7		5.6			82.6		3.0			3.6		
					Middle	9.4	27.4	26.8	26.8	5.4	5.4		80.0	79.6	3.2	3.3		3.2	3.2	
							27.4	26.8		5.4			79.2		3.3			3.2		
					Bottom	17.8	27.3	26.9	27.0	5.2	5.2	5.2	76.6	76.3	3.4	3.5		3.4	3.5	
							27.3	27.0		5.2			76.0		3.5			3.6		
15-Oct-12	1148-1206	30/Fine	Small Wave	18.6	Surface	1.0	27.6	26.5	26.5	5.7	5.6	5.7	82.8	82.5	3.1	3.1	3.2	3.8	3.9	4.2
							27.6	26.5		5.6			82.2		3.1			4.0		
					Middle	9.3	27.5	26.6	26.6	5.8	5.8		85.0	84.6	3.1	3.2		4.2	4.2	
							27.4	26.6		5.8			84.2		3.2			4.2		
					Bottom	17.6	27.3	26.7	26.8	5.5	5.5	5.5	80.7	80.9	3.3	3.3		4.4	4.4	
							27.3	26.8		5.5			81.0		3.3			4.4		
17-Oct-12	1317-1332	28/Cloudy	Great Wave	18.8	Surface	1.0	27.2	26.6	26.7	5.5	5.5	5.4	80.8	80.6	2.6	2.6	2.7	3.6	3.7	3.8
							27.2	26.7		5.5			80.4		2.6			3.8		
					Middle	9.4	27.2	26.7	26.7	5.3	5.3		77.6	78.0	2.7	2.7		3.8	3.9	
							27.1	26.7		5.4			78.4		2.7			4.0		
					Bottom	17.8	27.1	26.8	26.8	5.4	5.4	5.4	79.2	79.6	2.9	2.9		3.8	3.9	
							27.1	26.8		5.5			79.9		2.9			4.0		
19-Oct-12	1436-1452	26/Fine	Small Wave	19.4	Surface	1.0	26.6	26.9	26.9	5.8	5.9	6.0	84.6	84.9	4.3	4.2	4.1	5.2	5.1	5.0
							26.6	26.9		5.9			85.1		4.2			5.0		
					Middle	9.7	26.6	26.9	26.9	6.1	6.1		87.7	87.9	4.2	4.2		5.2	5.2	
							26.6	26.9		6.1			88.1		4.2			5.2		
					Bottom	18.4	26.6	26.9	26.9	6.1	6.1	6.1	88.6	88.3	3.9	3.8		4.6	4.7	
							26.6	26.9		6.1			88.0		3.8			4.8		
22-Oct-12	1749-1807	27/Fine	Small Wave	19.2	Surface	1.0	26.9	26.5	26.5	6.0	5.9	5.9	87.6	87.3	4.0	4.0	4.1	5.0	5.1	5.2
							26.9	26.5		5.9			86.9		4.0			5.2		
					Middle	9.6	26.7	26.7	26.8	5.8	5.8		85.7	85.5	4.1	4.1		5.2	5.3	
							26.7	26.8		5.8			85.3		4.1			5.4		
					Bottom	18.2	26.5	27.0	27.0	5.7	5.7	5.7	84.2	83.8	4.2	4.2		5.2	5.2	
							26.5	27.0		5.7			83.3		4.2			5.2		
24-Oct-12	0817-0834	24/Fine	Small Wave	19.2	Surface	1.0	26.7	26.4	26.4	5.9	5.9	5.8	85.3	85.8	3.7	3.7	3.8	4.6	4.7	4.8
							26.6	26.3		5.9			86.3		3.7			4.8		
					Middle	9.6	26.4	26.6	26.6	5.8	5.8		84.5	84.2	3.8	3.8		4.4	4.7	
							26.5	26.6		5.8			83.9		3.9			5.0		
					Bottom	18.2	26.3	26.9	26.9	5.7	5.7	5.7	82.9	82.6	3.9	4.0		5.0	5.1	
							26.2	26.8		5.7			82.3		4.0			5.2		

Mid-Ebb Tide

Monitoring Station : M4a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
26-Oct-12	0943-1000	25/Cloudy	Small Wave	19.0	Surface	1.0	26.5	26.7	26.7	5.6	5.6	5.6	80.9	80.8	4.2	4.2	4.2	5.2	5.1	5.2
							26.6	26.7		5.6			80.6		4.2			5.0		
					Middle	9.5	26.5	26.8	26.8	5.6	5.7		81.8	82.0	4.1	4.1		5.2	5.2	
							26.5	26.7		5.7			82.2		4.1			5.2		
					Bottom	18.0	26.6	26.9	26.9	5.6	5.6	5.6	81.5	80.9	4.2	4.2		5.2	5.3	
							26.5	26.8		5.6			80.2		4.2			5.4		
29-Oct-12	1143-1200	25/Cloudy	Small Wave	18.8	Surface	1.0	26.4	26.6	26.7	5.6	5.6	5.6	80.6	80.5	4.2	4.2	4.2	5.2	5.2	5.2
							26.4	26.7		5.5			80.3		4.2			5.2		
					Middle	9.4	26.3	26.7	26.8	5.6	5.6		81.5	81.0	4.2	4.2		5.0	5.0	
							26.2	26.8		5.6			80.5		4.1			5.0		
					Bottom	17.8	26.1	26.8	26.9	5.6	5.6	5.6	81.3	81.5	4.2	4.3		5.4	5.3	
							26.0	26.9		5.6			81.6		4.3			5.2		
31-Oct-12	1243-1300	25/Cloudy	Small Wave	18.9	Surface	1.0	26.3	26.5	26.6	5.5	5.5	5.5	80.2	80.1	4.2	4.2	4.2	5.2	5.3	5.3
							26.2	26.6		5.5			80.0		4.2			5.4		
					Middle	9.5	26.1	26.6	26.7	5.6	5.6		81.2	80.8	4.2	4.2		5.2	5.2	
							26.0	26.7		5.5			80.3		4.2			5.2		
					Bottom	17.9	25.9	26.8	26.9	5.6	5.7	5.7	81.8	82.0	4.3	4.3		5.4	5.3	
							25.8	26.9		5.7			82.1		4.3			5.2		

Mid-Flood Tide

Monitoring Station : M4a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
16-Apr-12	1447-1502	28/Cloudy	Calm	17.6	Surface	1.0	23.0	25.4	25.4	7.5	7.5	7.5	101.5	101.4	1.6	1.5	2.0	3.4	3.5	4.0
							23.0	25.4		7.5			101.2		1.5			3.6		
					Middle	8.8	22.6	26.5	26.6	7.4	7.5		100.2	100.5	1.5	1.6		3.6	3.7	
							22.7	26.6		7.5			100.8		1.6			3.8		
					Bottom	16.6	22.4	26.8	26.8	7.0	7.0		93.8	94.0	3.0	3.0		4.8	4.9	
							22.5	26.7		7.0			94.1		3.0			5.0		
18-Apr-12	1645-1701	22/Cloudy	Small Wave	17.8	Surface	1.0	22.7	24.5	24.6	7.3	7.4	7.2	98.3	98.5	1.6	1.6	2.0	3.8	3.9	4.1
							22.8	24.6		7.4			98.7		1.7			4.0		
					Middle	8.9	22.5	25.8	25.8	7.0	7.0		93.9	93.7	1.9	1.9		3.8	3.9	
							22.4	25.7		7.0			93.4		1.9			4.0		
					Bottom	16.8	22.2	26.6	26.6	6.8	6.8		91.2	91.0	2.4	2.4		4.4	4.5	
							22.1	26.5		6.8			90.8		2.4			4.6		
20-Apr-12	1748-1806	22/Rain	Small Wave	17.4	Surface	1.0	22.0	24.9	24.9	7.2	7.2	7.1	94.1	94.4	1.8	1.8	2.5	3.8	3.9	4.4
							22.0	24.8		7.2			94.7		1.8			4.0		
					Middle	8.7	21.9	26.0	26.0	6.9	6.9		90.4	90.8	2.2	2.2		4.0	4.1	
							21.9	26.0		7.0			91.2		2.2			4.2		
					Bottom	16.4	21.8	26.5	26.6	6.8	6.8		88.9	89.1	3.4	3.4		5.2	5.1	
							21.8	26.6		6.8			89.3		3.3			5.0		
23-Apr-12	1930-1945	25/Cloudy	Small Wave	17.8	Surface	1.0	22.7	25.9	25.9	6.9	6.9	6.8	91.7	91.9	2.9	2.8	3.3	3.8	3.9	4.3
							22.6	25.8		6.9			92.1		2.8			4.0		
					Middle	8.9	22.3	26.3	26.3	6.7	6.7		89.2	89.0	3.4	3.5		4.4	4.5	
							22.3	26.3		6.7			88.8		3.5			4.6		
					Bottom	16.8	22.2	26.4	26.4	6.6	6.6		87.6	87.4	3.6	3.6		4.6	4.6	
							22.2	26.4		6.6			87.2		3.5			4.6		
25-Apr-12	0714-0730	27/Cloudy	Calm	17.6	Surface	1.0	23.6	24.5	24.6	6.9	6.9	6.8	92.3	92.7	2.5	2.5	2.9	3.8	3.7	4.0
							23.6	24.6		6.9			93.0		2.5			3.6		
					Middle	8.8	23.5	26.2	26.2	6.8	6.7		90.6	90.3	2.9	3.0		4.0	4.0	
							23.5	26.1		6.7			90.0		3.0			4.0		
					Bottom	16.6	23.5	26.6	26.7	6.7	6.6		89.4	89.1	3.2	3.2		4.2	4.2	
							23.5	26.7		6.6			88.7		3.2			4.2		
27-Apr-12	0844-0857	23/Cloudy	Small Wave	17.6	Surface	1.0	23.5	25.3	25.3	7.3	7.3	7.2	98.7	99.1	1.5	1.6	1.8	2.6	2.7	3.0
							23.6	25.3		7.3			99.4		1.6			2.8		
					Middle	8.8	23.3	26.5	26.5	7.1	7.1		97.1	96.8	1.7	1.8		2.8	2.9	
							23.3	26.5		7.1			96.4		1.8			3.0		
					Bottom	16.6	23.0	27.6	27.6	6.9	6.9		93.9	94.2	2.1	2.1		3.2	3.3	
							23.1	27.6		6.9			94.4		2.1			3.4		
30-Apr-12	1148-1205	28/Cloudy	Calm	17.6	Surface	1.0	23.5	25.1	25.2	6.8	6.8	6.7	90.6	90.3	2.2	2.3	2.7	3.8	3.8	4.4
							23.6	25.2		6.8			89.9		2.3			3.8		
					Middle	8.8	23.4	26.4	26.4	6.7	6.7		89.0	88.8	2.8	2.8		4.2	4.3	
							23.5	26.4		6.7			88.5		2.9			4.4		
					Bottom	16.6	23.4	27.0	27.0	6.6	6.6		87.5	87.2	3.1	3.1		5.2	5.1	
							23.4	27.0		6.5			86.8		3.2			5.0		
2-May-12	1417-1432	31/Sunny	Small Wave	17.6	Surface	1.0	25.7	26.1	26.1	7.3	7.3	7.2	104.2	104.0	1.6	1.6	1.9	2.6	2.7	3.1
							25.6	26.1		7.3			103.7		1.6			2.8		
					Middle	8.8	25.3	26.6	26.7	7.1	7.1		100.8	100.6	1.9	1.9		3.2	3.1	
							25.3	26.7		7.1			100.3		1.9			3.0		
					Bottom	16.6	25.0	27.9	27.9	6.9	6.9		97.4	97.2	2.1	2.1		3.4	3.5	
							24.9	27.9		6.9			96.9		2.1			3.6		

Mid-Flood Tide

Monitoring Station : M4a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
4-May-12	1615-1630	30/Cloudy	Small Wave	17.2	Surface	1.0	26.9	25.8	25.8	6.6	6.6	6.4	93.9	93.7	2.7	2.7	3.0	3.8	3.9	4.2
							26.9	25.7		6.5			93.5		2.7			4.0		
					Middle	8.6	26.5	26.3	26.4	6.3	6.3		89.8	89.6	3.0	3.1		4.2	4.2	
							26.5	26.4		6.3			89.3		3.1			4.2		
					Bottom	16.2	26.2	26.5	26.5	6.2	6.2	6.2	87.8	88.1	3.3	3.3		4.6	4.5	
							26.2	26.4		6.2			88.3		3.2			4.4		
7-May-12	1846-1901	28/Fine	Small Wave	17.8	Surface	1.0	25.3	25.7	25.7	7.4	7.4	7.3	103.1	103.3	1.8	1.8	1.9	2.8	2.9	3.1
							25.4	25.7		7.4			103.4		1.8			3.0		
					Middle	8.9	25.1	26.7	26.8	7.2	7.2		100.8	100.5	1.9	1.9		3.2	3.2	
							25.1	26.8		7.2			100.2		2.0			3.2		
					Bottom	16.8	24.9	28.0	28.1	7.1	7.0	7.0	99.1	98.7	2.2	2.1		3.4	3.3	
							24.8	28.1		7.0			98.3		2.1			3.2		
9-May-12	0902-0917	28/Fine	Calm	17.4	Surface	1.0	25.1	25.6	25.6	7.2	7.2	7.1	100.7	100.4	2.5	2.5	2.8	3.6	3.7	4.0
							25.1	25.5		7.2			100.1		2.5			3.8		
					Middle	8.7	25.0	25.8	25.8	7.0	7.0		98.3	98.1	2.8	2.8		3.8	3.9	
							25.0	25.8		7.0			97.9		2.8			4.0		
					Bottom	16.4	24.9	26.1	26.2	7.0	6.9	6.9	97.3	96.9	3.0	3.0		4.2	4.3	
							25.0	26.2		6.9			96.5		3.1			4.4		
11-May-12	0947-1002	26/Cloudy	Small Wave	17.8	Surface	1.0	26.3	25.5	25.5	7.3	7.3	7.3	103.4	103.7	1.8	1.8	2.0	2.8	2.9	3.1
							26.2	25.4		7.4			103.9		1.9			3.0		
					Middle	8.9	26.0	26.6	26.7	7.3	7.2		102.3	102.1	2.0	2.0		3.0	3.1	
							25.9	26.7		7.2			101.9		2.0			3.2		
					Bottom	16.8	25.7	27.6	27.7	7.0	7.0	7.0	99.0	98.7	2.2	2.2		3.2	3.3	
							25.7	27.7		7.0			98.4		2.1			3.4		
14-May-12	1315-1330	30/Cloudy	Small Wave	17.8	Surface	1.0	26.4	26.3	26.3	7.2	7.1	7.0	101.5	101.2	3.0	3.1	3.2	4.2	4.2	4.4
							26.4	26.3		7.1			100.8		3.1			4.2		
					Middle	8.9	25.8	27.9	27.9	6.9	6.9		97.9	98.2	3.3	3.2		4.4	4.5	
							25.8	27.9		6.9			98.5		3.2			4.6		
					Bottom	16.8	25.5	28.1	28.2	6.7	6.7	6.7	95.4	95.1	3.4	3.4		4.6	4.6	
							25.5	28.2		6.7			94.8		3.4			4.6		
16-May-12	1447-1502	27/Cloudy	Small Wave	17.6	Surface	1.0	26.6	25.1	25.1	7.2	7.2	7.2	104.0	104.2	2.5	2.5	2.6	3.6	3.6	3.8
							26.6	25.0		7.2			104.4		2.5			3.6		
					Middle	8.8	26.4	26.1	26.2	7.1	7.1		102.5	102.4	2.6	2.6		3.8	3.9	
							26.3	26.2		7.1			102.2		2.7			4.0		
					Bottom	16.6	26.1	27.4	27.5	7.0	7.0	7.0	100.4	100.2	2.8	2.8		4.0	3.9	
							26.0	27.5		7.0			99.9		2.8			3.8		
18-May-12	1715-1731	25/Drizzle	Small Wave	18.0	Surface	1.0	25.2	25.9	25.9	7.2	7.2	7.1	100.4	100.8	3.4	3.4	3.4	4.4	4.5	4.5
							25.2	25.9		7.2			101.2		3.4			4.6		
					Middle	9.0	25.2	26.4	26.4	6.9	6.9		96.8	97.0	3.3	3.3		4.2	4.3	
							25.2	26.4		6.9			97.2		3.3			4.4		
					Bottom	17.0	25.1	26.9	26.9	6.6	6.6	6.6	92.5	92.8	3.6	3.6		4.6	4.6	
							25.2	26.9		6.6			93.0		3.6			4.6		
21-May-12	1815-1830	28/Cloudy	Small Wave	17.6	Surface	1.0	26.4	25.8	25.8	6.3	6.3	6.1	89.3	89.6	2.8	2.8	3.4	3.8	3.9	4.5
							26.3	25.7		6.3			89.8		2.9			4.0		
					Middle	8.8	26.0	26.4	26.4	6.0	6.0		84.5	84.3	3.6	3.5		4.6	4.7	
							26.0	26.3		5.9			84.0		3.5			4.8		
					Bottom	16.6	25.9	27.0	27.1	5.9	5.9	5.9	83.1	82.9	3.8	3.8		4.8	4.9	
							25.8	27.1		5.9			82.7		3.8			5.0		

Mid-Flood Tide

Monitoring Station : M4a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
23-May-12	1935-1953	27/Cloudy	Small Wave	17.6	Surface	1.0	25.3	25.9	25.9	6.8	6.9	6.8	96.4	96.6	2.1	2.1	2.2	3.4	3.2	3.4
							25.3	25.8		6.9			96.8		2.1			3.0		
					Middle	8.8	25.3	26.1	26.1	6.7	6.7		94.4	94.2	2.3	2.4		3.6	3.7	
							25.2	26.1		6.7			94.0		2.4			3.8		
					Bottom	16.6	25.1	26.2	26.3	6.6	6.6	6.6	93.2	93.1	2.2	2.3		3.4	3.4	
							25.1	26.3		6.6			92.9		2.3			3.4		
25-May-12	0717-0734	26/Cloudy	Calm	17.8	Surface	1.0	26.4	26.2	26.3	6.1	6.1	6.1	86.9	87.1	2.1	2.1	2.3	3.2	3.3	3.5
							26.5	26.3		6.2			87.3		2.1			3.4		
					Middle	8.9	26.4	26.7	26.7	6.0	6.0		85.2	85.5	2.3	2.3		3.6	3.5	
							26.4	26.7		6.0			85.7		2.4			3.4		
					Bottom	16.8	26.4	27.0	27.0	5.9	5.9	5.9	83.8	84.0	2.5	2.5		3.6	3.7	
							26.3	27.0		5.9			84.2		2.5			3.8		
28-May-12	1007-1024	26/Cloudy	Small Wave	17.4	Surface	1.0	26.3	25.3	25.3	6.4	6.4	6.3	91.3	91.5	3.0	3.1	3.1	4.2	4.2	4.2
							26.3	25.2		6.5			91.7		3.1			4.2		
					Middle	8.7	26.1	25.6	25.6	6.2	6.2		88.3	88.7	2.9	2.9		4.0	4.1	
							26.2	25.5		6.3			89.0		2.9			4.2		
					Bottom	16.4	26.1	25.7	25.8	6.1	6.1	6.1	86.8	86.5	3.2	3.2		4.4	4.3	
							26.1	25.8		6.1			86.2		3.2			4.2		
30-May-12	1348-1404	28/Cloudy	Small Wave	18.0	Surface	1.0	26.5	26.3	26.4	6.2	6.1	6.1	87.7	87.5	2.0	2.0	2.1	3.2	3.1	3.3
							26.5	26.4		6.1			87.3		2.0			3.0		
					Middle	9.0	26.4	26.5	26.6	6.1	6.1		86.2	86.5	2.1	2.1		3.2	3.3	
							26.4	26.6		6.1			86.7		2.2			3.4		
					Bottom	17.0	26.3	26.9	27.0	6.0	6.0	6.0	85.6	85.3	2.3	2.2		3.6	3.5	
							26.4	27.0		6.0			84.9		2.2			3.4		
1-Jun-12	1615-1630	29/Cloudy	Great Wave	17.8	Surface	1.0	27.1	25.9	25.9	6.7	6.7	6.6	96.9	96.7	2.8	2.8	2.9	3.8	3.8	3.9
							27.1	25.9		6.7			96.5		2.8			3.8		
					Middle	8.9	26.8	26.3	26.3	6.4	6.4		92.7	92.8	3.0	3.0		4.0	4.1	
							26.8	26.2		6.4			92.9		3.0			4.2		
					Bottom	16.8	26.7	26.3	26.3	6.3	6.3	6.3	91.2	91.3	2.9	2.9		4.0	3.9	
							26.7	26.3		6.3			91.4		2.9			3.8		
4-Jun-12	1819-1834	29/Cloudy	Small Wave	17.6	Surface	1.0	27.1	26.0	26.0	6.8	6.9	6.6	99.3	100.2	2.6	2.7	3.1	3.8	3.8	4.1
							27.2	26.0		6.9			101.0		2.7			3.8		
					Middle	8.8	27.0	26.4	26.4	6.3	6.4		91.7	92.6	3.1	3.1		3.8	3.9	
							26.9	26.3		6.4			93.4		3.0			4.0		
					Bottom	16.6	26.7	26.7	26.7	6.3	6.2	6.2	91.9	90.3	3.5	3.5		4.6	4.5	
							26.6	26.7		6.1			88.7		3.4			4.4		
6-Jun-12	1950-2006	28/Cloudy	Small Wave	17.0	Surface	1.0	27.0	25.8	25.9	6.8	6.8	6.7	99.3	99.2	2.4	2.3	2.6	3.4	3.3	3.6
							27.1	25.9		6.8			99.1		2.2			3.2		
					Middle	8.5	26.9	26.3	26.3	6.6	6.6		96.1	96.4	2.5	2.6		3.6	3.7	
							26.9	26.3		6.6			96.7		2.6			3.8		
					Bottom	16.0	26.7	26.5	26.6	6.3	6.3	6.3	91.6	91.9	3.1	3.0		4.0	3.9	
							26.6	26.6		6.3			92.1		2.9			3.8		
8-Jun-12	0830-0848	27/Cloudy	Calm	20.0	Surface	1.0	27.7	27.3	27.4	6.2	6.2	6.2	90.6	90.3	1.4	1.3	1.7	2.4	2.5	2.8
							27.9	27.4		6.2			89.9		1.3			2.6		
					Middle	10.0	27.8	27.3	27.3	6.3	6.2		88.9	89.1	1.0	1.0		2.2	2.1	
							27.8	27.3		6.1			89.3		1.0			2.0		
					Bottom	19.0	27.8	27.4	27.5	6.0	6.0	6.0	88.0	88.2	2.8	2.9		3.8	3.8	
							27.8	27.5		6.1			88.3		2.9			3.8		

Mid-Flood Tide

Monitoring Station : M4a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
11-Jun-12	1120-1126	30/Cloudy	Small Wave	20.2	Surface	1.0	27.8	27.5	27.5	6.3	6.3	6.2	92.6	92.9	1.3	1.3	1.7	2.4	2.4	2.8
							27.9	27.4		6.3			93.2		1.3			2.4		
					Middle	10.1	27.8	27.4	27.5	6.2	6.2		91.3	91.2	1.5	1.5		2.6	2.5	
							27.9	27.5		6.2			91.0		1.6			2.4		
					Bottom	19.2	27.8	27.7	27.8	6.0	6.0	6.0	88.9	89.2	2.3	2.3		3.6	3.5	
							27.8	27.8		6.1			89.5		2.4			3.4		
13-Jun-12	1415-1430	29/Rainy	Small Wave	17.2	Surface	1.0	27.7	25.4	25.4	6.2	6.2	6.0	90.3	90.1	2.8	2.7	3.0	3.6	3.7	3.9
							27.6	25.4		6.2			89.9		2.7			3.8		
					Middle	8.6	27.1	26.8	26.8	5.9	5.9		85.4	85.7	3.0	3.0		4.0	3.9	
							27.0	26.7		5.9			85.9		3.1			3.8		
					Bottom	16.2	27.0	27.2	27.2	5.8	5.8	5.8	84.7	84.4	3.2	3.2		4.2	4.1	
							27.0	27.2		5.8			84.0		3.2			4.0		
15-Jun-12	1652-1710	31/Cloudy	Great Wave	20.0	Surface	1.0	27.8	27.7	27.7	6.4	6.4	6.3	93.9	94.2	1.2	1.2	1.4	2.4	2.5	2.7
							27.7	27.7		6.4			94.4		1.2			2.6		
					Middle	10.0	27.4	28.0	28.1	6.3	6.3		92.2	91.9	1.4	1.4		2.8	2.8	
							27.5	28.1		6.2			91.6		1.4			2.8		
					Bottom	19.0	27.1	28.4	28.4	6.1	6.1	6.1	89.7	89.3	1.6	1.6		3.0	2.9	
							27.2	28.3		6.1			88.8		1.6			2.8		
18-Jun-12	1755-1811	28/Cloudy	Great Wave	20.0	Surface	1.0	27.5	27.3	27.4	6.3	6.3	6.3	93.4	93.9	1.8	1.9	2.2	2.8	2.9	3.3
							27.6	27.4		6.4			94.3		1.9			3.0		
					Middle	10.0	27.6	27.8	27.8	6.2	6.2		91.6	91.9	2.2	2.2		3.4	3.4	
							27.5	27.7		6.2			92.2		2.3			3.4		
					Bottom	19.0	27.5	27.9	27.9	6.1	6.1	6.1	89.7	89.9	2.6	2.6		3.6	3.5	
							27.5	27.9		6.1			90.1		2.6			3.4		
20-Jun-12	1904-1921	29/Fine	Great Wave	20.0	Surface	1.0	27.6	27.7	27.8	6.3	6.3	6.3	92.6	92.9	1.4	1.5	1.7	2.4	2.5	2.7
							27.6	27.8		6.3			93.2		1.5			2.6		
					Middle	10.0	27.3	28.3	28.3	6.2	6.2		91.4	91.1	1.6	1.6		2.4	2.6	
							27.4	28.3		6.2			90.8		1.7			2.8		
					Bottom	10.0	27.1	28.6	28.6	6.1	6.1	6.1	89.2	89.5	1.8	1.9		3.0	3.1	
							27.1	28.6		6.1			89.7		1.9			3.2		
22-Jun-12	2015-2030	28/Drizzle	Small Wave	17.8	Surface	1.0	27.7	26.7	26.7	5.9	5.9	5.8	86.6	86.4	3.0	3.0	3.2	4.0	4.0	4.3
							27.7	26.7		5.9			86.2		3.0			4.0		
					Middle	8.9	27.3	26.9	27.0	5.8	5.8		85.5	85.2	3.4	3.4		4.4	4.5	
							27.4	27.0		5.8			84.9		3.4			4.6		
					Bottom	16.8	27.3	27.0	27.1	5.8	5.8	5.8	84.6	84.4	3.2	3.2		4.2	4.3	
							27.3	27.1		5.7			84.2		3.1			4.4		
25-Jun-12	0916-0932	28/Cloudy	Small Wave	17.4	Surface	1.0	28.1	26.5	26.5	5.9	5.9	5.8	86.9	87.2	3.0	3.0	3.3	4.0	4.1	4.4
							28.2	26.5		6.0			87.5		3.1			4.2		
					Middle	8.7	28.1	26.8	26.9	5.8	5.7		84.4	84.1	3.4	3.4		4.4	4.4	
							28.0	26.9		5.7			83.8		3.4			4.4		
					Bottom	16.4	27.9	26.9	26.9	5.7	5.7	5.7	83.9	83.7	3.5	3.5		4.6	4.6	
							28.0	26.9		5.7			83.4		3.5			4.6		
27-Jun-12	1148-1206	27/Fine	Small Wave	19.8	Surface	1.0	28.4	25.4	25.4	6.0	6.0	5.9	86.7	86.4	1.6	1.6	1.8	2.6	2.7	2.9
							28.4	25.3		5.9			86.1		1.6			2.8		
					Middle	9.9	28.3	25.4	25.4	5.9	5.8		84.8	84.5	1.3	1.3		2.4	2.5	
							28.2	25.4		5.8			84.2		1.4			2.6		
					Bottom	18.8	27.6	25.7	25.8	5.7	5.8	5.8	83.2	83.4	2.4	2.5		3.4	3.5	
							27.7	25.8		5.8			83.5		2.5			3.6		

Mid-Flood Tide

Monitoring Station : M4a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
29-Jun-12	1450-1507	32/Fine	Great Wave	20.0	Surface	1.0	28.7	27.7	27.8	6.2	6.2	6.2	92.8	93.2	1.2	1.2	1.7	2.2	2.2	2.8
							28.7	27.8		6.3			93.6		1.2			2.2		
					Middle	10.0	28.4	28.1	28.2	6.1	6.1		91.3	91.6	1.3	1.3		2.4	2.4	
							28.4	28.2		6.2			91.9		1.3			2.4		
					Bottom	19.0	27.9	28.5	28.5	6.0	6.0		89.3	88.9	2.7	2.7		3.6	3.7	
							28.0	28.5		5.9			88.4		2.7			3.8		
4-Jul-12	1851-1908	31/Cloudy	Small Wave	20.2	Surface	1.0	27.9	27.4	27.5	6.2	6.2	6.1	91.2	91.1	1.6	1.6	1.8	2.6	2.6	2.7
							28.0	27.5		6.2			90.9		1.6			2.6		
					Middle	10.1	27.6	27.9	27.9	6.1	6.1		90.0	89.6	1.8	1.8		2.4	2.5	
							27.6	27.8		6.0			89.1		1.8			2.6		
					Bottom	19.2	27.3	27.9	28.0	5.9	6.0		87.6	87.9	1.9	2.0		3.0	3.0	
							27.4	28.0		6.0			88.1		2.0			3.0		
6-Jul-12	0827-0843	28/Fine	Calm	19.6	Surface	1.0	27.0	24.3	24.3	5.3	5.4	5.3	77.4	77.6	2.8	2.8	3.6	3.6	3.7	4.3
							27.1	24.3		5.4			77.7		2.8			3.8		
					Middle	9.8	27.0	24.3	24.4	5.3	5.3		76.9	76.6	3.0	3.0		4.0	4.0	
							26.9	24.4		5.3			76.3		3.0			4.0		
					Bottom	18.6	26.8	24.7	24.7	5.4	5.4	5.4	78.0	77.8	4.9	4.9		5.2	5.3	
							26.8	24.7		5.4			77.5		5.0			5.4		
9-Jul-12	0940-0958	29/Fine	Calm	18.6	Surface	1.0	27.9	24.7	24.8	5.7	5.7	5.7	83.8	83.5	2.4	2.4	3.0	3.4	3.3	4.1
							27.9	24.8		5.7			83.1		2.3			3.2		
					Middle	9.3	27.8	24.9	24.9	5.6	5.6		82.2	81.8	2.6	2.6		3.8	3.8	
							27.9	24.9		5.6			81.3		2.7			3.8		
					Bottom	17.6	27.8	24.9	25.0	5.5	5.5	5.5	80.2	79.9	4.1	4.1		5.0	5.1	
							27.7	25.0		5.5			79.6		4.1			5.2		
11-Jul-12	1122-1138	30/Fine	Small Wave	20.0	Surface	1.0	28.0	25.7	25.7	6.1	6.1	6.2	90.3	90.6	1.6	1.7	2.1	2.8	2.7	3.2
							27.9	25.7		6.1			90.9		1.7			2.6		
					Middle	10.0	27.6	26.0	26.0	6.2	6.2		91.8	92.2	1.9	2.0		3.0	3.1	
							27.7	25.9		6.3			92.5		2.0			3.2		
					Bottom	19.0	27.3	26.4	26.4	6.0	6.0	6.0	89.2	88.8	2.8	2.8		3.6	3.7	
							27.3	26.3		6.0			88.4		2.8			3.8		
13-Jul-12	1514-1530	30/Cloudy	Small Wave	19.8	Surface	1.0	28.2	24.2	24.3	5.7	5.7	5.7	83.0	83.3	2.4	2.4	3.0	3.6	3.5	4.0
							28.3	24.3		5.7			83.6		2.5			3.4		
					Middle	9.9	27.9	24.4	24.4	5.7	5.7		82.7	82.3	2.7	2.8		3.8	3.9	
							27.9	24.4		5.6			81.9		2.8			4.0		
					Bottom	18.8	27.8	24.5	24.6	5.5	5.5	5.5	80.3	80.6	3.8	3.8		4.6	4.7	
							27.7	24.6		5.6			80.8		3.8			4.8		
16-Jul-12	1648-1706	32/Fine	Calm	20.0	Surface	1.0	28.0	23.7	23.8	6.1	6.1	6.0	87.8	88.1	3.3	3.3	3.5	4.4	4.3	4.6
							28.0	23.8		6.1			88.4		3.2			4.2		
					Middle	10.0	27.9	23.9	24.0	5.9	5.9		85.0	85.3	3.6	3.6		4.6	4.7	
							27.9	24.0		5.9			85.5		3.5			4.8		
					Bottom	20.0	27.9	24.2	24.2	5.7	5.7	5.7	82.1	82.5	3.8	3.8		4.8	4.9	
							27.8	24.1		5.8			82.9		3.9			5.0		
18-Jul-12	1815-1833	29/Cloudy	Small Wave	20.2	Surface	1.0	28.1	23.5	23.5	6.1	6.1	6.0	88.7	89.0	3.5	3.4	3.5	4.6	4.6	4.7
							28.0	23.5		6.1			89.2		3.4			4.6		
					Middle	10.1	27.7	23.8	23.9	5.9	5.9		85.7	86.1	3.6	3.6		4.6	4.7	
							27.8	23.9		5.9			86.5		3.6			4.8		
					Bottom	19.2	27.5	24.0	24.1	5.7	5.7	5.7	83.6	83.9	3.5	3.5		4.8	4.7	
							27.6	24.1		5.8			84.1		3.5			4.6		

Mid-Flood Tide

Monitoring Station : M4a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
20-Jul-12	1917-1934	30/Fine	Small Wave	20.0	Surface	1.0	28.4	23.8	23.8	6.2	6.3	6.2	91.0	91.3	3.5	3.5	3.5	4.4	4.5	4.5
							28.4	23.8		6.3			91.5		3.5			4.6		
					Middle	10.0	28.2	24.1	24.1	6.1	6.1		89.4	89.1	3.3	3.3		4.4	4.4	
							28.1	24.0		6.1			88.7		3.3			4.4		
					Bottom	19.0	27.9	24.4	24.4	5.9	5.9	5.9	86.4	86.2	3.6	3.6		4.6	4.7	
							27.8	24.3		5.9			85.9		3.6			4.8		
25-Jul-12	0958-1016	28/Cloudy	Small Wave	20.0	Surface	1.0	26.6	29.1	29.2	5.7	5.7	5.6	80.3	80.5	2.5	2.5	2.8	3.6	3.5	3.7
							26.6	29.2		5.7			80.7		2.6			3.4		
					Middle	10.0	26.5	29.5	29.6	5.5	5.5		77.8	78.1	2.8	2.8		3.8	3.7	
							26.5	29.6		5.6			78.3		2.8			3.6		
					Bottom	19.0	26.4	29.8	29.9	5.4	5.4	5.4	75.8	76.0	3.0	3.0		3.8	3.9	
							26.4	29.9		5.4			76.2		3.0			4.0		
27-Jul-12	1250-1308	26/Rainy	Great Wave	20.0	Surface	1.0	26.4	25.4	25.4	6.3	6.3	6.2	90.4	90.2	3.5	3.5	3.7	4.4	4.5	4.7
							26.4	25.4		6.3			90.0		3.5			4.6		
					Middle	10.0	26.1	25.8	25.8	6.1	6.1		87.7	87.4	3.7	3.7		4.8	4.8	
							26.2	25.8		6.0			87.0		3.7			4.8		
					Bottom	19.0	26.0	26.2	26.2	5.9	5.9	5.9	85.4	85.1	3.8	3.9		4.8	4.9	
							25.9	26.2		5.9			84.8		3.9			5.0		
30-Jul-12	1645-1700	31/Sunny	Small Wave	17.6	Surface	1.0	27.9	29.8	29.8	5.9	5.9	5.9	86.8	86.5	3.7	3.7	3.7	4.6	4.5	4.7
							27.9	29.8		5.9			86.2		3.6			4.4		
					Middle	8.8	27.4	30.5	30.5	5.9	5.8		86.0	85.8	3.7	3.7		4.8	4.7	
							27.4	30.4		5.8			85.5		3.7			4.6		
					Bottom	16.6	27.2	30.6	30.6	5.7	5.7	5.7	83.1	83.3	3.6	3.6		4.8	4.8	
							27.2	30.5		5.7			83.4		3.7			4.8		
1-Aug-12	1747-1803	33/Fine	Small Wave	17.8	Surface	1.0	27.8	29.7	29.7	6.0	6.0	5.9	87.6	88.0	3.5	3.5	3.5	4.6	4.6	4.6
							27.7	29.7		6.0			88.3		3.5			4.6		
					Middle	8.9	27.5	29.8	29.9	5.9	5.9		86.3	86.1	3.4	3.4		4.6	4.5	
							27.6	29.9		5.9			85.8		3.3			4.4		
					Bottom	16.8	27.3	30.1	30.1	5.8	5.8	5.8	84.9	85.1	3.6	3.6		4.8	4.8	
							27.2	30.1		5.8			85.3		3.6			4.8		
3-Aug-12	1851-1908	31/Cloudy	Small Wave	17.6	Surface	1.0	28.1	29.6	29.6	6.0	6.1	6.0	89.7	89.9	3.5	3.6	3.6	4.4	4.5	4.6
							28.0	29.6		6.1			90.0		3.6			4.6		
					Middle	8.8	27.8	29.8	29.9	6.0	5.9		88.2	88.0	3.7	3.6		4.6	4.6	
							27.7	29.9		5.9			87.7		3.6			4.6		
					Bottom	16.6	27.5	30.3	30.3	5.8	5.8	5.8	85.8	85.6	3.7	3.7		4.6	4.7	
							27.6	30.3		5.8			85.4		3.7			4.8		
6-Aug-12	0850-0904	30/Cloudy	Small Wave	19.0	Surface	1.0	26.9	25.8	25.9	4.4	4.4	4.4	64.1	63.7	3.4	3.4	3.2	4.6	4.5	4.2
							26.9	25.9		4.4			63.3		3.4			4.4		
					Middle	9.5	26.9	26.1	26.1	4.5	4.5		65.1	64.8	2.9	2.9		3.8	3.9	
							26.8	26.1		4.5			64.4		3.0			4.0		
					Bottom	18.0	26.8	26.3	26.3	4.7	4.7	4.7	68.6	68.8	3.2	3.2		4.2	4.2	
							26.8	26.3		4.8			69.0		3.2			4.2		
8-Aug-12	1022-1038	30/Fine	Small Wave	19.4	Surface	1.0	27.7	26.3	26.3	5.6	5.7	5.7	81.8	82.1	3.0	3.0	3.1	4.0	4.0	4.0
							27.7	26.2		5.7			82.4		3.0			4.0		
					Middle	9.3	27.6	26.5	26.5	5.7	5.7		82.8	83.0	3.0	3.0		3.8	3.9	
							27.5	26.5		5.7			83.2		3.0			4.0		
					Bottom	17.6	27.4	27.0	27.0	5.5	5.5	5.5	80.1	80.4	3.2	3.2		4.2	4.2	
							27.3	27.0		5.6			80.6		3.2			4.2		

Mid-Flood Tide

Monitoring Station : M4a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
10-Aug-12	1250-1308	33/Cloudy	Small Wave	18.6	Surface	1.0	28.1	26.4	26.4	5.7	5.7	5.7	84.7	84.9	3.0	3.0	3.0	4.0	4.0	3.9
							28.2	26.3		5.8			85.1		3.0			4.0		
					Middle	9.3	28.0	26.7	26.7	5.6	5.6		82.9	82.5	2.8	2.8		3.6	3.7	
							27.9	26.7		5.6			82.1		2.9			3.8		
					Bottom	17.6	27.7	27.0	27.0	5.7	5.7		84.1	84.3	3.1	3.1		4.0	4.1	
							27.7	27.0		5.7			84.4		3.1			4.2		
13-Aug-12	1952-2009	27/Cloudy	Small Wave	18.6	Surface	1.0	27.7	25.4	25.4	6.0	6.0	5.9	87.1	87.4	3.0	3.0	3.1	4.0	4.1	4.2
							27.7	25.4		6.0			87.6		3.0			4.2		
					Middle	9.3	27.5	25.7	25.8	5.9	5.9		85.1	84.8	3.1	3.2		4.2	4.2	
							27.4	25.8		5.8			84.5		3.2			4.2		
					Bottom	17.6	27.2	26.2	26.3	5.8	5.7	5.7	83.5	83.2	3.3	3.3		4.2	4.3	
							27.2	26.3		5.7			82.9		3.3			4.4		
15-Aug-12	1720-1738	32/Fine	Calm	20.2	Surface	1.0	28.3	27.5	27.6	6.1	6.1	6.0	88.9	89.1	2.3	2.4	2.6	3.2	3.3	3.5
							28.3	27.6		6.1			89.3		2.4			3.4		
					Middle	10.1	28.1	27.8	27.8	5.9	5.9		86.7	86.4	2.6	2.6		3.4	3.5	
							28.1	27.8		5.9			86.1		2.6			3.6		
					Bottom	19.2	28.0	27.9	27.9	5.7	5.7	5.7	83.5	83.8	2.8	2.8		3.8	3.7	
							28.0	27.9		5.8			84.0		2.8			3.6		
17-Aug-12	1751-1809	29/Cloudy	Great Wave	19.6	Surface	1.0	27.7	26.7	26.8	6.1	6.1	6.1	88.5	88.9	2.4	2.4	2.4	3.4	3.3	3.5
							27.7	26.8		6.2			89.3		2.4			3.2		
					Middle	9.8	27.4	27.0	27.0	6.0	6.0		87.3	87.1	2.3	2.3		3.4	3.4	
							27.5	27.0		6.0			86.9		2.2			3.4		
					Bottom	18.6	27.2	27.1	27.2	6.0	5.9	5.9	86.3	86.1	2.7	2.7		3.8	3.7	
							27.3	27.2		5.9			85.9		2.7			3.6		
20-Aug-12	0825-0843	28/Fine	Small Wave	18.8	Surface	1.0	27.8	25.7	25.7	5.9	5.9	5.8	86.6	86.8	3.0	3.0	3.1	4.0	3.9	4.1
							27.7	25.7		5.9			87.0		3.0			3.8		
					Middle	9.4	27.5	26.2	26.2	5.8	5.8		85.3	85.0	3.1	3.1		4.0	4.1	
							27.4	26.1		5.8			84.7		3.1			4.2		
					Bottom	17.8	27.2	26.6	26.6	5.8	5.9	5.9	85.7	86.0	3.2	3.2		4.2	4.3	
							27.2	26.5		5.9			86.3		3.2			4.4		
22-Aug-12	0920-0937	29/Cloudy	Calm	19.6	Surface	1.0	27.9	29.4	29.4	5.4	5.4	5.4	78.0	78.2	3.0	3.0	3.2	4.0	4.1	4.3
							27.9	29.4		5.5			78.4		3.1			4.2		
					Middle	9.8	27.7	29.5	29.6	5.3	5.3		76.6	76.4	3.2	3.2		4.2	4.3	
							27.8	29.6		5.3			76.1		3.2			4.4		
					Bottom	18.6	27.6	29.9	29.9	5.0	5.0	5.0	72.2	72.6	3.5	3.5		4.6	4.6	
							27.6	29.9		5.1			73.0		3.5			4.6		
24-Aug-12	1150-1207	30/Fine	Small Wave	20.0	Surface	1.0	27.9	27.3	27.4	6.0	6.1	6.0	88.8	89.0	2.7	2.7	2.5	3.6	3.7	3.6
							27.8	27.4		6.1			89.1		2.7			3.8		
					Middle	10.0	27.5	27.7	27.7	5.9	5.9		80.7	83.7	2.4	2.4		3.4	3.5	
							27.5	27.7		5.9			86.6		2.4			3.6		
					Bottom	19.0	27.2	28.3	28.3	5.8	5.8	5.8	85.1	84.8	2.5	2.5		3.4	3.5	
							27.2	28.2		5.8			84.5		2.5			3.6		
27-Aug-12	1552-1609	34/Fine	Calm	18.8	Surface	1.0	27.9	27.2	27.2	5.9	5.9	5.8	86.7	86.6	2.3	2.3	2.5	3.2	3.3	3.5
							28.0	27.1		5.9			86.4		2.4			3.4		
					Middle	9.4	27.7	27.6	27.6	5.8	5.8		85.1	84.8	2.4	2.4		3.6	3.6	
							27.6	27.6		5.8			84.5		2.5			3.6		
					Bottom	17.8	27.3	28.0	28.1	5.6	5.6	5.6	82.3	82.2	2.6	2.7		3.6	3.7	
							27.3	28.1		5.6			82.0		2.7			3.8		

Mid-Flood Tide

Monitoring Station : M4a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
29-Aug-12	1651-1709	31/Fine	Small Wave	18.4	Surface	1.0	28.0	27.2	27.2	6.1	6.1	6.0	89.1	89.4	2.2	2.2	2.3	3.2	3.2	3.4
							28.1	27.2		6.1			89.7		2.1			3.2		
					Middle	9.2	27.8	27.4	27.5	5.9	5.9		87.4	87.1	2.4	2.3		3.4	3.4	
							27.8	27.5		5.9			86.8		2.3			3.4		
					Bottom	17.4	27.6	27.7	27.8	5.8	5.9	5.9	86.0	86.3	2.5	2.4		3.4	3.5	
							27.5	27.8		5.9			86.6		2.4			3.6		
31-Aug-12	1753-1810	30/Fine	Calm	19.6	Surface	1.0	27.5	26.4	26.4	5.3	5.3	5.2	76.7	76.9	2.5	2.5	2.5	3.4	3.4	3.5
							27.6	26.4		5.3			77.0		2.6			3.4		
					Middle	9.8	27.5	26.6	26.6	5.0	5.0		72.9	73.1	2.3	2.3		3.2	3.3	
							27.5	26.6		5.1			73.2		2.3			3.4		
					Bottom	18.6	27.4	26.7	26.8	4.9	4.9	4.9	71.2	71.4	2.6	2.6		3.6	3.7	
							27.3	26.8		4.9			71.5		2.7			3.8		
3-Sep-12	1924-1939	32/Fine	Small Wave	20.0	Surface	1.0	28.7	24.9	25.0	6.9	6.9	6.0	103.0	102.3	2.0	2.0	2.1	3.0	3.0	3.1
							28.8	25.0		6.9			101.5		2.1			3.0		
					Middle	10.0	27.5	25.6	25.6	5.1	5.0		74.5	73.9	2.1	2.1		3.2	3.1	
							27.6	25.5		5.0			73.2		2.1			3.0		
					Bottom	19.0	27.4	25.7	25.7	4.5	4.4	4.4	65.4	64.7	2.2	2.2		3.2	3.2	
							27.4	25.7		4.4			63.9		2.2			3.2		
5-Sep-12	0935-0952	28/Cloudy	Small Wave	18.8	Surface	1.0	27.7	27.4	27.4	6.1	6.1	6.0	89.8	90.1	2.2	2.3	2.4	3.2	3.3	3.4
							27.7	27.4		6.1			90.3		2.3			3.4		
					Middle	9.4	27.4	27.8	27.8	6.0	5.9		88.1	87.7	2.6	2.6		3.6	3.5	
							27.5	27.7		5.9			87.3		2.6			3.4		
					Bottom	17.8	27.1	28.1	28.2	5.7	5.7	5.7	84.7	84.4	2.4	2.4		3.2	3.4	
							27.2	28.2		5.7			84.1		2.5			3.6		
7-Sep-12	1117-1133	28/Cloudy	Small Wave	18.6	Surface	1.0	27.5	27.3	27.3	6.1	6.2	6.1	90.5	90.8	2.2	2.2	2.4	3.0	3.1	3.4
							27.5	27.2		6.2			91.1		2.2			3.2		
					Middle	9.3	27.2	27.6	27.6	6.1	6.0		89.2	89.0	2.6	2.6		3.4	3.6	
							27.3	27.6		6.0			88.8		2.6			3.8		
					Bottom	17.6	27.1	27.9	28.0	5.9	5.9	5.9	87.4	87.2	2.5	2.5		3.6	3.5	
							27.1	28.0		5.9			86.9		2.5			3.4		
10-Sep-12	1850-1908	29/Fine	Small Wave	18.6	Surface	1.0	27.9	27.6	27.6	6.2	6.2	6.1	91.0	91.3	2.3	2.3	2.5	3.2	3.1	3.4
							28.0	27.6		6.2			91.5		2.3			3.0		
					Middle	9.3	27.6	28.0	28.0	6.1	6.0		89.2	88.9	2.5	2.5		3.4	3.5	
							27.6	28.0		6.0			88.5		2.5			3.6		
					Bottom	17.6	27.2	28.3	28.4	5.9	5.9	5.9	87.5	87.2	2.7	2.8		3.6	3.7	
							27.2	28.4		5.9			86.9		2.8			3.8		
12-Sep-12	1620-1637	32/Fine	Calm	19.6	Surface	1.0	27.8	26.9	27.0	6.4	6.4	6.3	93.7	94.1	2.6	2.7	2.9	3.6	3.7	3.9
							27.8	27.0		6.5			94.5		2.7			3.8		
					Middle	9.8	27.6	27.2	27.2	6.2	6.2		90.5	90.9	3.0	3.0		4.0	3.9	
							27.7	27.2		6.3			91.3		3.0			3.8		
					Bottom	18.6	27.4	27.4	27.5	5.8	5.8	5.8	84.8	85.2	3.1	3.1		4.2	4.2	
							27.5	27.5		5.9			85.6		3.2			4.2		
14-Sep-12	1649-1705	30/Fine	Small Wave	20.2	Surface	1.0	28.0	27.0	27.0	6.5	6.4	6.3	94.5	94.1	2.7	2.7	3.0	3.4	3.6	3.9
							28.0	26.9		6.4			93.6		2.7			3.8		
					Middle	10.1	27.8	27.2	27.2	6.2	6.2		90.5	90.2	3.0	3.0		4.0	4.0	
							27.8	27.1		6.2			89.9		3.0			4.0		
					Bottom	19.2	27.7	27.4	27.4	5.8	5.8	5.8	84.3	84.6	3.2	3.3		4.2	4.2	
							27.6	27.4		5.8			84.8		3.3			4.2		

Mid-Flood Tide

Monitoring Station : M4a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
17-Sep-12	1817-1834	29/Fine	Small Wave	19.8	Surface	1.0	27.6	26.9	26.9	6.4	6.3	6.3	92.9	92.5	2.6	2.6	2.8	3.4	3.5	3.8
							27.7	26.9		6.3			92.1		2.7			3.6		
					Middle	9.9	27.5	27.0	27.1	6.2	6.2		90.4	90.8	2.8	2.8		3.8	3.9	
							27.4	27.1		6.2			91.1		2.8			4.0		
					Bottom	18.8	27.3	27.3	27.3	6.0	6.0	6.0	87.9	88.3	3.0	3.0		4.0	3.9	
							27.2	27.2		6.1			88.6		3.0			3.8		
19-Sep-12	0858-0915	27/Fine	Calm	19.6	Surface	1.0	26.6	26.7	26.8	6.4	6.4	6.3	93.7	93.5	2.9	2.9	3.2	4.0	4.1	4.3
							26.6	26.8		6.4			93.3		3.0			4.2		
					Middle	9.8	26.5	26.9	26.9	6.2	6.2		89.9	90.4	3.2	3.2		4.4	4.4	
							26.5	26.8		6.2			90.8		3.2			4.4		
					Bottom	18.6	26.3	27.0	27.0	5.9	5.9	5.9	86.4	86.7	3.5	3.5		4.4	4.5	
							26.3	27.0		6.0			86.9		3.5			4.6		
21-Sep-12	1032-1049	28/Cloudy	Small Wave	20.4	Surface	1.0	27.4	25.6	25.7	6.1	6.1	6.1	90.0	90.2	2.6	2.6	2.8	3.4	3.6	3.8
							27.5	25.7		6.2			90.3		2.6			3.8		
					Middle	10.2	27.2	26.0	26.0	6.0	6.0		88.1	87.8	2.7	2.8		3.6	3.8	
							27.2	26.0		6.0			87.5		2.8			4.0		
					Bottom	19.4	26.9	26.3	26.4	5.8	5.8	5.8	85.3	85.2	3.2	3.1		4.0	4.1	
							27.0	26.4		5.8			85.0		3.1			4.2		
24-Sep-12	1519-1536	30/Cloudy	Small Wave	18.8	Surface	1.0	27.6	26.5	26.5	6.5	6.5	6.3	94.8	95.1	2.3	2.4	2.7	3.2	3.3	3.7
							27.6	26.4		6.5			95.4		2.4			3.4		
					Middle	9.4	27.3	26.9	26.9	6.2	6.2		91.4	91.1	2.7	2.7		3.6	3.8	
							27.4	26.8		6.2			90.8		2.8			4.0		
					Bottom	17.8	27.0	27.3	27.3	6.0	6.0	6.0	88.8	88.5	3.0	3.0		4.0	4.1	
							27.1	27.3		6.0			88.2		3.0			4.2		
26-Sep-12	1550-1607	29/Cloudy	Small Wave	18.2	Surface	1.0	27.7	26.3	26.4	6.4	6.4	6.3	93.4	93.7	2.5	2.5	2.7	3.6	3.5	3.8
							27.6	26.4		6.4			94.0		2.4			3.4		
					Middle	9.1	27.4	26.7	26.8	6.2	6.2		91.1	91.5	2.6	2.7		3.8	3.7	
							27.4	26.8		6.3			91.9		2.7			3.6		
					Bottom	17.2	27.2	27.1	27.1	6.1	6.1	6.1	88.9	89.1	3.0	3.0		4.0	4.1	
							27.3	27.1		6.1			89.2		3.0			4.2		
28-Sep-12	1645-1700	29/Sunny	Small Wave	17.8	Surface	1.0	28.0	26.7	26.7	5.9	5.9	5.9	87.2	87.5	3.4	3.5	3.7	4.4	4.5	4.8
							28.1	26.7		5.9			87.8		3.5			4.6		
					Middle	8.9	27.8	26.9	27.0	5.8	5.8		86.0	85.6	3.8	3.8		4.8	4.9	
							27.8	27.0		5.8			85.1		3.8			5.0		
					Bottom	16.8	27.6	27.2	27.2	5.8	5.8	5.8	84.9	85.2	3.9	3.9		5.0	5.1	
							27.6	27.1		5.8			85.4		3.9			5.2		
3-Oct-12	1850-1907	29/Fine	Small Wave	19.4	Surface	1.0	27.7	27.8	27.8	5.8	5.8	5.7	84.9	84.8	2.1	2.1	2.4	2.8	3.0	3.4
							27.7	27.8		5.8			84.7		2.2			3.2		
					Middle	9.7	27.5	28.0	28.0	5.6	5.6		82.2	82.4	2.4	2.4		3.4	3.5	
							27.5	28.0		5.6			82.6		2.4			3.6		
					Bottom	18.4	27.3	28.3	28.3	5.4	5.4	5.4	79.8	80.0	2.7	2.6		3.8	3.7	
							27.2	28.3		5.4			80.1		2.6			3.6		
5-Oct-12	0919-0936	26/Fine	Small Wave	19.0	Surface	1.0	27.6	27.7	27.7	5.9	5.8	5.8	86.1	85.8	2.1	2.1	2.3	2.8	2.9	3.3
							27.6	27.6		5.8			85.5		2.1			3.0		
					Middle	9.5	27.4	27.8	27.9	5.7	5.8		84.4	84.7	2.4	2.4		3.4	3.5	
							27.3	27.9		5.8			85.0		2.4			3.6		
					Bottom	18.0	27.2	28.1	28.1	5.6	5.6	5.6	82.5	82.2	2.5	2.6		3.6	3.6	
							27.2	28.1		5.6			81.9		2.6			3.6		

Mid-Flood Tide

Monitoring Station : M4a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
8-Oct-12	1745-1801	27/Fine	Small Wave	18.8	Surface	1.0	27.4	26.7	26.7	5.7	5.7	5.7	83.7	83.4	2.9	2.9	3.1	3.8	3.7	4.0
							27.4	26.6		5.7			83.1		2.9			3.6		
					Middle	9.4	27.3	26.8	26.8	5.6	5.6		81.9	82.3	3.1	3.1		4.0	4.1	
							27.2	26.8		5.6			82.6		3.1			4.2		
					Bottom	17.8	27.1	27.0	27.1	5.5	5.5	5.5	80.9	81.1	3.2	3.2		4.2	4.2	
							27.1	27.1		5.6			81.2		3.2			4.2		
10-Oct-12	1516-1533	28/Fine	Small Wave	18.4	Surface	1.0	27.5	26.6	26.6	5.8	5.8	5.7	84.5	84.2	2.9	2.9	3.1	4.0	4.0	4.1
							27.5	26.6		5.7			83.8		3.0			4.0		
					Middle	9.2	27.3	26.7	26.8	5.7	5.7		82.7	83.0	3.0	3.1		4.0	4.1	
							27.4	26.8		5.7			83.2		3.1			4.2		
					Bottom	17.4	27.2	26.9	26.9	5.6	5.6	5.6	82.1	81.8	3.2	3.2		4.2	4.3	
							27.1	26.9		5.6			81.4		3.2			4.4		
12-Oct-12	1621-1639	28/Fine	Small Wave	19.5	Surface	1.0	27.6	26.6	26.6	5.4	5.4	5.4	79.5	79.5	2.7	2.7	2.9	3.4	3.6	3.9
							27.6	26.6		5.4			79.4		2.8			3.8		
					Middle	9.8	27.5	26.7	26.7	5.3	5.3		78.2	77.9	2.9	2.9		4.0	3.9	
							27.5	26.7		5.3			77.5		2.9			3.8		
					Bottom	18.5	27.4	26.8	26.8	5.1	5.1	5.1	75.0	74.8	3.2	3.2		4.2	4.1	
							27.4	26.8		5.1			74.5		3.2			4.0		
15-Oct-12	1751-1810	28/Fine	Small Wave	19.8	Surface	1.0	27.5	26.4	26.4	5.7	5.7	5.8	83.8	84.1	3.0	3.0	3.1	4.0	3.9	4.1
							27.4	26.4		5.8			84.4		3.0			3.8		
					Middle	9.9	27.3	26.5	26.6	5.9	5.9		86.1	86.4	3.1	3.1		4.2	4.1	
							27.3	26.6		5.9			86.7		3.1			4.0		
					Bottom	18.8	27.1	26.7	26.8	5.7	5.7	5.7	83.2	83.0	3.2	3.2		4.2	4.4	
							27.2	26.8		5.7			82.8		3.2			4.6		
17-Oct-12	1847-1903	27/Cloudy	Small Wave	19.6	Surface	1.0	27.2	26.7	26.7	5.5	5.5	5.4	79.9	80.3	2.4	2.4	2.6	3.8	3.5	3.6
							27.1	26.7		5.5			80.6		2.4			3.2		
					Middle	9.8	27.1	26.8	26.8	5.4	5.4		79.2	79.0	2.5	2.5		3.6	3.5	
							27.0	26.8		5.4			78.7		2.6			3.4		
					Bottom	18.6	27.0	26.8	26.9	5.3	5.3	5.3	77.3	79.1	2.9	2.9		3.8	3.8	
							26.9	26.9		5.3			80.8		3.0			3.8		
19-Oct-12	0913-0930	25/Fine	Small Wave	18.8	Surface	1.0	26.8	26.5	26.6	5.6	5.6	5.6	81.0	81.2	4.2	4.2	4.1	5.0	5.1	5.0
							26.8	26.6		5.6			81.3		4.3			5.2		
					Middle	9.4	26.7	26.6	26.7	5.6	5.6		81.2	81.6	4.1	4.1		5.2	5.1	
							26.7	26.7		5.7			82.0		4.1			5.0		
					Bottom	17.8	26.6	26.7	26.8	5.7	5.7	5.7	82.3	82.2	4.0	4.0		4.8	4.7	
							26.5	26.8		5.7			82.0		4.0			4.6		
22-Oct-12	1249-1306	28/Fine	Small Wave	20.4	Surface	1.0	26.8	26.5	26.5	5.9	5.9	5.9	86.7	87.0	3.9	3.9	4.1	5.0	4.9	5.1
							26.8	26.5		5.9			87.2		4.0			4.8		
					Middle	10.2	26.6	26.7	26.7	5.9	5.8		86.1	85.9	4.1	4.1		5.0	5.1	
							26.7	26.7		5.8			85.6		4.1			5.2		
					Bottom	19.4	26.5	27.0	27.0	5.7	5.7	5.7	83.9	83.7	4.2	4.2		5.2	5.3	
							26.4	26.9		5.7			83.5		4.3			5.4		
24-Oct-12	1446-1503	28/Fine	Small Wave	20.2	Surface	1.0	26.7	26.4	26.4	5.9	5.9	5.8	85.2	85.4	3.7	3.7	3.8	4.6	4.5	4.7
							26.8	26.4		5.9			85.6		3.7			4.4		
					Middle	10.1	26.5	26.6	26.6	5.7	5.7		83.2	83.4	3.8	3.8		4.6	4.7	
							26.4	26.5		5.7			83.6		3.8			4.8		
					Bottom	19.2	26.2	26.8	26.9	5.6	5.6	5.6	82.0	81.8	3.9	3.9		5.0	5.0	
							26.3	26.9		5.6			81.5		3.9			5.0		

Mid-Flood Tide

Monitoring Station : M4a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
26-Oct-12	1613-1630	26/Cloudy	Small Wave	19.6	Surface	1.0	26.7	26.6	26.6	5.7	5.7	5.8	82.9	83.2	4.1	4.1	4.2	5.2	5.1	5.2
							26.6	26.6		5.8			83.5		4.1			5.0		
					Middle	9.8	26.6	26.8	26.8	5.9	5.9		84.8	85.1	4.2	4.2		5.2	5.2	
							26.5	26.8		5.9			85.3		4.2			5.2		
					Bottom	18.6	26.6	26.9	26.9	6.1	6.0	6.0	87.9	87.5	4.2	4.2		5.4	5.3	
							26.6	26.9		6.0			87.1		4.2			5.2		
29-Oct-12	1713-1729	27/Cloudy	Small Wave	20.3	Surface	1.0	26.5	26.7	26.7	5.7	5.7	5.6	83.7	83.5	4.0	4.1	4.2	4.8	4.8	5.1
							26.5	26.7		5.7			83.2		4.1			4.8		
					Middle	10.2	26.4	26.8	26.8	5.6	5.5		81.5	81.2	4.1	4.2		5.0	5.1	
							26.4	26.8		5.5			80.9		4.2			5.2		
					Bottom	19.3	26.3	26.9	26.9	5.5	5.5	5.5	80.3	80.1	4.3	4.3		5.2	5.3	
							26.3	26.9		5.4			79.9		4.2			5.4		
31-Oct-12	1815-1832	24/Cloudy	Small Wave	20.0	Surface	1.0	26.2	26.5	26.6	5.6	5.6	5.7	81.3	81.6	4.2	4.2	4.1	5.2	5.1	5.2
							26.2	26.6		5.6			81.8		4.1			5.0		
					Middle	10.0	26.1	26.7	26.7	5.7	5.7		82.6	82.4	4.1	4.1		5.2	5.1	
							26.0	26.6		5.7			82.1		4.1			5.0		
					Bottom	19.0	25.8	26.9	26.8	5.7	5.7	5.7	83.1	82.9	4.2	4.2		5.4	5.3	
							25.8	26.8		5.7			82.7		4.2			5.2		

Mid-Ebb Tide

Monitoring Station : M5

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
16-Apr-12	1014-1029	26/Cloudy	Calm	13.4	Surface	1.0	22.9	26.0	26.0	8.5	8.5	8.2	115.0	115.2	2.3	2.3	2.9	4.4	4.4	4.8
							22.9	26.0		8.5			115.4		2.4			4.4		
					Middle	6.7	22.4	26.8	26.8	7.8	7.8		104.7	104.6	2.1	2.1		4.2	4.1	
							22.4	26.8		7.8			104.4		2.1			4.0		
					Bottom	12.4	22.1	26.8	26.8	7.3	7.3	7.3	97.6	97.8	4.2	4.2		5.8	5.9	
							22.1	26.8		7.3			97.9		4.2			6.0		
18-Apr-12	1117-1132	22/Drizzle	Small Wave	13.6	Surface	1.0	22.7	25.7	25.8	8.4	8.4	8.3	112.5	112.9	2.2	2.2	2.7	4.4	4.3	4.7
							22.6	25.8		8.5			113.3		2.3			4.2		
					Middle	6.8	22.4	26.2	26.3	8.2	8.2		109.6	109.3	2.4	2.4		4.6	4.6	
							22.4	26.3		8.2			108.9		2.4			4.6		
					Bottom	12.6	22.1	26.6	26.7	8.0	7.9	7.9	106.2	106.0	3.3	3.3		5.0	5.1	
							22.2	26.7		7.9			105.8		3.3			5.2		
20-Apr-12	1256-1312	22/Rain	Great Wave	13.6	Surface	1.0	22.1	25.7	25.8	7.6	7.7	7.6	99.9	100.2	2.4	2.4	2.9	4.2	4.1	4.7
							22.1	25.8		7.7			100.4		2.4			4.0		
					Middle	6.8	22.0	26.2	26.3	7.5	7.5		97.8	98.2	2.3	2.3		4.2	4.2	
							22.0	26.3		7.5			98.5		2.3			4.2		
					Bottom	12.6	22.0	26.5	26.5	7.3	7.3	7.3	95.5	95.8	4.0	4.0		5.6	5.8	
							21.9	26.4		7.3			96.1		4.1			6.0		
23-Apr-12	1343-1358	25/Cloudy	Small Wave	13.6	Surface	1.0	22.5	25.9	25.9	6.9	6.9	6.8	91.7	92.0	2.8	2.8	3.4	3.8	3.7	4.4
							22.4	25.9		6.9			92.3		2.8			3.6		
					Middle	6.8	22.2	26.3	26.3	6.7	6.7		89.5	89.3	3.5	3.6		4.4	4.5	
							22.2	26.2		6.7			89.0		3.6			4.6		
					Bottom	12.6	22.1	26.1	26.1	6.4	6.5	6.5	85.5	85.7	3.9	3.9		5.0	4.9	
							22.0	26.0		6.5			85.9		3.9			4.8		
25-Apr-12	1420-1437	28/Cloudy	Calm	13.4	Surface	1.0	23.6	25.3	25.3	6.7	6.8	6.7	90.2	90.5	2.9	2.9	3.1	3.8	3.9	4.1
							23.6	25.3		6.8			90.7		3.0			4.0		
					Middle	6.7	23.4	26.1	26.1	6.7	6.7		89.8	89.6	3.1	3.1		4.2	4.1	
							23.4	26.0		6.7			89.4		3.1			4.0		
					Bottom	12.4	23.4	26.4	26.4	6.6	6.6	6.6	88.4	88.2	3.3	3.3		4.2	4.3	
							23.4	26.4		6.6			87.9		3.3			4.4		
27-Apr-12	1548-1603	25/Cloudy	Small Wave	13.6	Surface	1.0	23.6	25.8	25.8	7.4	7.4	7.3	100.6	100.8	2.2	2.3	2.8	3.6	3.5	3.9
							23.7	25.8		7.4			101.0		2.3			3.4		
					Middle	6.8	23.4	27.0	27.0	7.3	7.3		99.4	99.1	2.9	3.0		4.0	3.9	
							23.4	27.0		7.2			98.8		3.0			3.8		
					Bottom	12.6	23.1	28.2	28.2	7.1	7.1	7.1	97.0	97.2	3.2	3.2		4.2	4.3	
							23.2	28.2		7.1			97.4		3.2			4.4		
30-Apr-12	1917-1935	28/Cloudy	Calm	13.6	Surface	1.0	23.4	25.5	25.5	6.7	6.7	6.6	89.6	89.2	2.5	2.5	2.8	4.4	4.5	4.9
							23.4	25.5		6.7			88.8		2.6			4.6		
					Middle	6.8	23.4	26.4	26.4	6.6	6.5		87.2	86.9	2.8	2.8		4.8	4.9	
							23.3	26.4		6.5			86.5		2.9			5.0		
					Bottom	12.6	23.3	26.9	26.9	6.4	6.4	6.4	85.5	85.3	3.1	3.1		5.2	5.2	
							23.3	26.9		6.4			85.0		3.2			5.2		
2-May-12	1031-1046	29/Cloudy	Small Wave	13.6	Surface	1.0	25.5	26.5	26.6	7.5	7.5	7.4	107.1	107.3	2.3	2.3	2.9	3.8	3.9	4.3
							25.4	26.6		7.6			107.5		2.3			4.0		
					Middle	6.8	25.2	27.0	27.1	7.3	7.3		103.4	103.3	3.0	3.0		4.2	4.3	
							25.2	27.1		7.3			103.1		3.0			4.4		
					Bottom	12.6	25.0	28.2	28.2	7.4	7.4	7.4	104.5	104.9	3.4	3.4		4.6	4.7	
							25.1	28.2		7.5			105.3		3.4			4.8		

Mid-Ebb Tide

Monitoring Station : M5

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
4-May-12	1014-1029	28/Cloudy	Small Wave	13.6	Surface	1.0	26.6	25.7	25.7	6.6	6.6	6.4	93.6	93.8	2.5	2.5	3.0	3.8	3.7	4.3
							26.5	25.7		6.6			94.0		2.5			3.6		
					Middle	6.8	26.1	26.2	26.2	6.2	6.2		88.8	88.5	3.1	3.2		4.4	4.4	
							26.1	26.2		6.2			88.2		3.2			4.4		
					Bottom	12.6	25.9	26.5	26.5	6.2	6.2		88.2	88.0	3.4	3.3		4.8	4.8	
							25.9	26.5		6.1			87.8		3.3			4.8		
7-May-12	1241-1256	28/Fine	Small Wave	13.4	Surface	1.0	25.3	26.1	26.2	7.4	7.4	7.4	103.8	104.1	2.2	2.2	2.7	3.4	3.4	3.9
							25.4	26.2		7.4			104.4		2.2			3.4		
					Middle	6.7	25.1	26.9	26.9	7.3	7.3		102.6	102.4	2.9	2.9		3.8	3.9	
							25.2	26.8		7.3			102.1		2.9			4.0		
					Bottom	12.4	25.0	28.0	28.1	7.1	7.1	7.1	100.1	99.8	3.1	3.1		4.2	4.3	
							24.9	28.1		7.1			99.5		3.1			4.4		
9-May-12	1505-1523	32/Sunny	Calm	13.6	Surface	1.0	25.5	26.6	26.6	8.0	8.0	8.0	112.9	113.1	2.1	2.0	2.2	3.4	3.3	3.4
							25.6	26.6		8.0			113.2		2.0			3.2		
					Middle	6.8	25.5	26.6	26.7	7.9	7.9		111.5	111.8	2.1	2.2		3.4	3.5	
							25.5	26.7		8.0			112.1		2.2			3.6		
					Bottom	12.6	25.5	26.7	26.8	7.8	7.8	7.8	110.1	109.9	2.4	2.5		3.4	3.5	
							25.4	26.8		7.8			109.6		2.5			3.6		
11-May-12	1611-1626	29/Drizzle	Small Wave	13.2	Surface	1.0	26.4	25.7	25.8	7.4	7.4	7.3	104.2	103.8	2.1	2.2	2.7	3.2	3.2	3.8
							26.4	25.8		7.3			103.4		2.2			3.2		
					Middle	6.6	26.2	26.7	26.7	7.2	7.2		101.7	101.4	2.8	2.8		3.8	3.9	
							26.1	26.7		7.2			101.0		2.9			4.0		
					Bottom	12.2	25.9	27.9	27.9	7.0	7.0	7.0	99.1	99.3	3.0	3.0		4.0	4.2	
							25.9	27.9		7.0			99.4		3.1			4.4		
14-May-12	0910-0925	30/Cloudy	Small Wave	13.6	Surface	1.0	25.9	26.3	26.3	7.1	7.2	7.0	101.3	101.6	3.0	3.1	3.1	4.0	4.0	4.2
							25.9	26.3		7.2			101.9		3.1			4.0		
					Middle	6.8	25.6	27.9	27.9	6.8	6.8		96.7	96.9	2.9	2.8		3.8	3.9	
							25.6	27.9		6.8			97.1		2.8			4.0		
					Bottom	12.6	25.7	28.0	28.1	6.8	6.8	6.8	96.2	96.0	3.4	3.4		4.6	4.7	
							25.6	28.1		6.7			95.7		3.4			4.8		
16-May-12	1039-1054	27/Rainy	Great Wave	13.4	Surface	1.0	26.6	25.2	25.3	8.1	8.1	8.0	116.3	116.6	2.1	2.1	2.3	3.2	3.2	3.5
							26.5	25.3		8.1			116.9		2.1			3.2		
					Middle	6.7	26.3	26.4	26.4	8.0	8.0		114.8	114.5	2.3	2.3		3.4	3.5	
							26.4	26.4		7.9			114.2		2.4			3.6		
					Bottom	12.4	26.1	27.7	27.7	7.8	7.8	7.8	112.6	112.4	2.6	2.6		3.6	3.8	
							26.0	27.6		7.8			112.1		2.6			4.0		
18-May-12	1158-1214	26/Drizzle & Rainy	Small Wave	14.0	Surface	1.0	25.3	26.0	26.0	7.2	7.2	7.1	100.9	101.2	3.1	3.2	3.2	4.0	4.1	4.2
							25.3	26.0		7.2			101.4		3.2			4.2		
					Middle	7.0	25.2	26.5	26.1	6.9	7.0		97.2	97.5	3.1	3.1		4.0	4.1	
							25.3	25.6		7.0			97.7		3.1			4.2		
					Bottom	13.0	25.2	27.0	27.0	6.8	6.8	6.8	94.8	94.7	3.3	3.3		4.4	4.4	
							25.2	26.9		6.8			94.6		3.3			4.4		
21-May-12	1310-1325	28/Cloudy	Small Wave	13.4	Surface	1.0	26.7	25.9	25.9	6.2	6.2	6.1	87.8	87.6	2.9	2.9	3.2	4.0	3.9	4.3
							26.7	25.8		6.2			87.3		2.9			3.8		
					Middle	6.7	26.1	26.5	26.5	6.0	6.0		85.3	85.5	3.2	3.1		4.2	4.1	
							26.1	26.4		6.0			85.7		3.1			4.0		
					Bottom	12.4	25.9	26.9	26.9	5.8	5.8	5.8	81.5	81.7	3.4	3.4		4.8	4.8	
							26.0	26.9		5.8			81.8		3.4			4.8		

Mid-Ebb Tide

Monitoring Station : M5

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
23-May-12	1412-1430	26/Cloudy	Small Wave	13.8	Surface	1.0	25.3	25.9	25.9	7.2	7.2	7.1	100.9	101.1	1.9	1.9	2.1	3.2	3.1	3.3
							25.3	25.8		7.2			101.3		2.0			3.0		
					Middle	6.9	25.3	26.0	26.0	7.0	6.9		97.9	97.7	2.0	2.1		3.2	3.3	
							25.3	26.0		6.9			97.5		2.1			3.4		
					Bottom	12.8	25.3	26.0	26.1	6.8	6.8	6.8	96.3	96.1	2.3	2.3		3.6	3.6	
							25.2	26.1		6.8			95.8		2.3			3.6		
25-May-12	1410-1427	29/Cloudy	Small Wave	14.0	Surface	1.0	26.3	26.2	26.3	6.1	6.1	6.1	86.8	87.0	2.1	2.1	2.3	3.4	3.3	3.6
							26.3	26.3		6.1			87.2		2.1			3.2		
					Middle	7.0	26.3	26.5	26.6	6.0	6.0		85.6	85.4	2.3	2.3		3.6	3.7	
							26.3	26.6		6.0			85.1		2.3			3.8		
					Bottom	13.0	26.2	26.9	26.9	5.9	4.4	4.4	83.2	83.4	2.4	2.4		3.8	3.9	
							26.3	26.8		2.9			83.5		2.4			4.0		
28-May-12	1626-1642	26/Cloudy	Small Wave	13.8	Surface	1.0	26.3	25.1	25.1	6.2	6.3	6.2	88.6	89.1	3.1	3.1	3.1	4.2	4.1	4.1
							26.3	25.0		6.3			89.5		3.1			4.0		
					Middle	6.9	26.3	25.3	25.4	6.1	6.1		87.0	86.7	3.0	3.0		4.0	3.9	
							26.3	25.4		6.1			86.4		3.0			3.8		
					Bottom	12.8	26.3	25.6	25.6	5.9	5.9	5.9	83.8	84.0	3.2	3.2		4.4	4.4	
							26.2	25.6		5.9			84.2		3.2			4.4		
30-May-12	0842-0900	26/Cloudy	Small Wave	14.4	Surface	1.0	26.4	26.3	26.3	6.1	6.1	6.0	86.9	86.6	2.0	2.0	2.2	3.0	3.1	3.4
							26.5	26.2		6.1			86.3		2.1			3.2		
					Middle	7.2	26.4	26.7	26.7	6.0	5.9		84.9	84.6	2.2	2.2		3.4	3.5	
							26.3	26.6		5.9			84.2		2.1			3.6		
					Bottom	13.4	26.3	27.0	27.0	5.8	5.8	5.8	83.0	82.8	2.4	2.3		3.6	3.6	
							26.3	27.0		5.8			82.5		2.3			3.6		
1-Jun-12	0940-0955	29/Cloudy	Great Wave	13.2	Surface	1.0	26.9	25.9	25.9	6.9	6.9	6.8	99.7	99.6	2.1	2.1	2.6	3.2	3.1	3.6
							26.9	25.9		6.9			99.4		2.1			3.0		
					Middle	6.6	26.8	26.3	26.3	6.6	6.6		95.4	95.6	2.6	2.6		3.8	3.7	
							26.8	26.3		6.6			95.7		2.6			3.6		
					Bottom	12.2	26.7	26.2	26.2	6.5	6.5	6.5	95.3	95.5	3.2	3.2		4.2	4.1	
							26.7	26.2		6.5			95.6		3.2			4.0		
4-Jun-12	1242-1258	29/Cloudy	Small Wave	13.2	Surface	1.0	27.1	25.9	26.0	7.1	7.0	6.8	103.6	102.2	2.2	2.2	2.6	3.2	3.1	3.6
							27.0	26.0		6.9			100.7		2.1			3.0		
					Middle	6.6	26.9	26.3	26.3	6.5	6.6		94.8	95.5	2.5	2.5		3.6	3.7	
							26.9	26.3		6.6			96.2		2.5			3.8		
					Bottom	12.2	26.6	26.5	26.5	6.4	6.4	6.4	93.4	92.7	3.0	3.1		4.0	4.0	
							26.7	26.5		6.3			92.0		3.1			4.0		
6-Jun-12	1313-1328	29/Fine	Small Wave	13.4	Surface	1.0	27.2	26.0	26.0	6.7	6.7	6.6	97.9	97.7	2.4	2.5	2.8	3.6	3.5	3.8
							27.2	26.0		6.7			97.5		2.5			3.4		
					Middle	6.7	27.0	26.3	26.4	6.5	6.5		94.7	94.2	2.6	2.7		3.6	3.7	
							27.1	26.4		6.4			93.6		2.8			3.8		
					Bottom	12.4	26.8	26.5	26.6	6.2	6.3	6.3	90.8	91.3	3.2	3.1		4.2	4.1	
							26.8	26.6		6.3			91.8		3.0			4.0		
8-Jun-12	1436-1448	31/Fine	Calm	12.0	Surface	1.0	28.5	27.3	27.4	6.5	6.5	6.5	96.8	97.1	1.4	1.2	1.4	2.6	2.4	2.8
							28.4	27.4		6.5			97.3		1.0			2.2		
					Middle	6.0	28.0	27.4	27.4	6.6	6.5		98.1	97.8	1.1	1.1		2.2	2.3	
							27.9	27.4		6.5			97.4		1.2			2.4		
					Bottom	11.0	27.9	27.4	27.4	6.6	6.6	6.6	97.8	98.2	2.2	1.9		3.4	3.7	
							27.9	27.4		6.6			98.5		1.7			4.0		

Mid-Ebb Tide

Monitoring Station : M5

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
11-Jun-12	1710-1725	30/Cloudy	Calm	11.8	Surface	1.0	28.2	27.4	27.5	6.5	6.5	6.5	96.9	97.3	1.1	1.2	1.4	2.2	2.3	2.5
							28.3	27.5		6.6			97.7		1.2			2.4		
					Middle	5.9	28.0	27.7	27.7	6.4	6.4		95.2	95.5	1.1	1.1		2.0	2.1	
							28.0	27.6		6.4			95.8		1.2			2.2		
					Bottom	10.8	28.0	27.7	27.7	6.6	6.6		98.2	97.8	2.0	1.9		3.2	3.2	
							27.9	27.7		6.5			97.4		1.9			3.2		
13-Jun-12	0810-0825	29/Rainy	Small Wave	14.2	Surface	1.0	27.4	25.3	25.4	6.2	6.2	6.1	91.2	91.0	2.4	2.5	2.8	3.6	3.7	3.8
							27.4	25.4		6.2			90.7		2.5			3.8		
					Middle	7.1	26.8	26.8	26.8	5.9	6.0		86.7	87.0	2.9	2.9		4.0	4.0	
							27.0	26.8		6.0			87.2		2.9			4.0		
					Bottom	13.2	27.1	27.0	27.0	5.9	5.9	5.9	86.1	85.8	2.9	2.9		3.8	3.7	
							27.1	26.9		5.9			85.4		2.9			3.6		
15-Jun-12	1017-1035	28/Cloudy	Great Wave	12.0	Surface	1.0	27.7	27.3	27.3	6.5	6.5	6.4	94.9	95.1	1.3	1.4	1.3	2.2	2.3	2.4
							27.7	27.3		6.5			95.3		1.4			2.4		
					Middle	6.0	27.5	27.7	27.7	6.4	6.3		93.2	93.0	1.2	1.2		2.2	2.2	
							27.5	27.6		6.3			92.8		1.2			2.2		
					Bottom	11.0	27.3	27.8	27.9	6.2	6.1	6.1	90.3	90.0	1.4	1.5		2.6	2.7	
							27.2	27.9		6.1			89.7		1.5			2.8		
18-Jun-12	1144-1202	28/Cloudy	Great Wave	12.4	Surface	1.0	27.6	27.3	27.3	6.2	6.3	6.2	92.4	92.8	1.6	1.6	1.8	2.6	2.7	2.6
							27.6	27.3		6.3			93.1		1.6			2.8		
					Middle	6.2	27.6	27.5	27.5	6.2	6.2		91.5	91.3	1.7	1.7		2.8	2.7	
							27.7	27.5		6.2			91.0		1.7			2.6		
					Bottom	11.4	27.6	27.7	27.7	6.0	6.0	6.0	88.7	88.9	2.2	2.2		2.4	2.4	
							27.6	27.7		6.0			89.1		2.2			2.4		
20-Jun-12	1315-1332	30/Fine	Great Wave	12.2	Surface	1.0	27.6	27.3	27.3	6.5	6.5	6.4	95.1	95.4	1.6	1.7	1.7	2.6	2.5	2.6
							27.6	27.2		6.5			95.7		1.7			2.4		
					Middle	6.1	27.5	27.6	27.6	6.3	6.3		92.9	93.2	1.5	1.5		2.6	2.5	
							27.4	27.6		6.4			93.5		1.5			2.4		
					Bottom	11.2	27.3	27.9	28.0	6.2	6.2	6.2	91.1	90.9	2.0	2.0		3.0	2.9	
							27.2	28.0		6.2			90.6		2.0			2.8		
22-Jun-12	1410-1425	28/Drizzle	Small Wave	13.4	Surface	1.0	27.9	26.7	26.7	6.0	6.0	6.0	88.4	88.6	2.9	2.9	3.0	3.8	3.9	4.1
							27.9	26.7		6.1			88.8		2.9			4.0		
					Middle	6.7	27.6	26.9	26.9	5.9	5.9		87.2	86.9	3.2	3.2		4.4	4.3	
							27.6	26.9		5.9			86.6		3.2			4.2		
					Bottom	12.4	27.4	27.1	27.1	5.9	5.9	5.9	86.3	86.0	3.0	2.9		4.0	4.0	
							27.3	27.1		5.8			85.7		2.9			4.0		
25-Jun-12	1610-1625	29/Cloudy	Small Wave	13.6	Surface	1.0	28.2	26.5	26.6	5.7	5.7	5.7	83.9	84.3	3.0	3.1	3.2	4.0	4.0	4.2
							28.3	26.6		5.8			84.6		3.1			4.0		
					Middle	6.8	28.1	26.9	26.9	5.6	5.6		82.0	82.3	3.3	3.3		4.2	4.2	
							28.1	26.8		5.6			82.6		3.2			4.2		
					Bottom	12.6	28.0	26.9	26.9	5.6	5.6	5.6	81.5	81.9	3.3	3.3		4.4	4.4	
							27.9	26.9		5.6			82.2		3.3			4.4		
27-Jun-12	1655-1712	30/Fine	Small Wave	12.0	Surface	1.0	28.4	25.5	25.6	5.9	5.9	5.9	85.8	86.0	1.7	1.7	1.8	2.8	2.9	2.6
							28.4	25.6		5.9			86.1		1.7			3.0		
					Middle	6.0	28.4	25.5	25.5	5.8	5.8		84.1	84.3	1.5	1.5		2.4	2.4	
							28.4	25.5		5.8			84.5		1.5			2.4		
					Bottom	11.0	28.3	25.7	25.7	5.7	5.7	5.7	83.2	83.0	2.3	2.3		2.4	2.6	
							28.3	25.6		5.7			82.8		2.3			2.8		

Mid-Ebb Tide

Monitoring Station : M5

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
29-Jun-12	0857-0913	31/Fine	Small Wave	12.0	Surface	1.0	28.7	27.6	27.6	6.4	6.4	6.3	94.9	95.2	1.5	1.5	1.8	2.6	2.5	2.8
							28.6	27.6		6.4			95.5		1.5			2.4		
					Middle	6.0	28.5	27.9	27.9	6.2	6.2		92.9	92.7	1.6	1.6		2.8	2.8	
							28.4	27.9		6.2			92.5		1.7			2.8		
					Bottom	11.0	28.2	28.2	28.3	6.1	6.1		90.7	90.4	2.1	2.1		3.0	3.1	
							28.2	28.3		6.1			90.1		2.1			3.2		
4-Jul-12	1243-1259	32/Fine	Small Wave	12.4	Surface	1.0	28.0	27.4	27.5	6.2	6.2	6.1	91.1	90.9	1.8	1.8	1.8	2.4	2.5	2.8
							28.1	27.5		6.1			90.6		1.7			2.6		
					Middle	6.2	27.7	27.9	28.0	6.0	6.1		89.1	89.5	1.8	1.8		3.0	2.9	
							27.8	28.0		6.1			89.9		1.8			2.8		
					Bottom	11.4	27.6	28.2	28.2	6.0	5.9	5.9	88.1	87.8	2.0	2.0		3.0	3.1	
							27.5	28.1		5.9			87.4		2.0			3.2		
6-Jul-12	1438-1452	30/Cloudy	Calm	13.2	Surface	1.0	27.9	24.4	24.4	7.8	7.7	6.8	113.4	111.9	1.4	1.3	1.6	2.4	2.4	2.7
							27.9	24.4		7.7			110.4		1.3			2.4		
					Middle	6.6	27.1	25.5	25.5	5.9	5.9		84.9	84.8	1.4	1.5		2.6	2.7	
							27.0	25.5		5.9			84.6		1.7			2.8		
					Bottom	12.2	26.4	26.0	26.0	5.1	5.1	5.1	73.0	73.3	2.2	2.0		3.4	3.1	
							26.4	26.0		5.1			73.5		1.9			2.8		
9-Jul-12	1515-1533	32/Fine	Calm	12.2	Surface	1.0	28.0	24.7	24.8	6.0	5.9	5.9	87.0	86.6	2.2	2.2	2.6	3.2	3.2	3.6
							28.0	24.8		5.9			86.1		2.3			3.2		
					Middle	6.1	27.9	24.8	24.8	5.9	5.9		86.0	86.2	2.4	2.4		3.4	3.5	
							28.0	24.8		5.9			86.3		2.5			3.6		
					Bottom	11.2	27.9	24.8	24.9	5.8	5.8	5.8	85.0	85.3	3.1	3.1		4.0	4.2	
							27.8	24.9		5.9			85.5		3.1			4.4		
11-Jul-12	1717-1735	33/Fine	Small Wave	11.8	Surface	1.0	28.1	25.4	25.4	6.3	6.3	6.3	94.0	94.2	1.9	2.0	2.1	3.0	2.9	3.2
							28.0	25.3		6.4			94.3		2.0			2.8		
					Middle	5.9	27.8	25.6	25.7	6.2	6.2		91.9	91.6	2.0	2.1		3.2	3.2	
							27.8	25.7		6.2			91.3		2.1			3.2		
					Bottom	10.8	27.6	26.0	26.0	6.1	6.1	6.1	89.5	89.8	2.2	2.2		3.4	3.5	
							27.5	26.0		6.1			90.0		2.3			3.6		
13-Jul-12	0906-0919	29/Cloudy	Small Wave	13.6	Surface	1.0	28.1	24.5	24.5	6.0	6.0	6.0	87.6	87.9	1.5	1.6	1.8	2.6	2.6	2.9
							28.2	24.4		6.1			88.1		1.6			2.6		
					Middle	6.8	27.8	24.6	24.7	6.0	5.9		86.8	86.4	2.1	2.1		3.2	3.2	
							27.8	24.7		5.9			86.0		2.2			3.2		
					Bottom	12.6	27.6	24.9	24.9	5.8	5.8	5.8	84.4	84.7	1.9	1.9		2.8	3.0	
							27.5	24.8		5.8			85.0		1.8			3.2		
16-Jul-12	1040-1100	30/Fine	Calm	12.4	Surface	1.0	27.9	23.7	23.7	6.1	6.1	6.0	88.1	88.4	2.7	2.8	3.0	3.8	3.9	4.2
							28.0	23.7		6.2			88.7		2.8			4.0		
					Middle	6.2	27.9	23.7	23.8	6.0	6.0		86.1	85.7	3.0	3.0		4.0	4.0	
							27.9	23.8		5.9			85.2		3.0			4.0		
					Bottom	11.4	27.9	23.8	23.9	5.8	5.8	5.8	83.2	83.6	3.3	3.4		4.4	4.6	
							27.8	23.9		5.8			83.9		3.4			4.8		
18-Jul-12	1208-1222	28/Cloudy	Small Wave	12.6	Surface	1.0	28.0	23.5	23.5	6.1	6.1	6.0	88.5	88.8	3.0	3.1	3.1	4.0	4.0	4.1
							28.1	23.4		6.1			89.0		3.1			4.0		
					Middle	6.3	27.7	23.6	23.7	5.9	5.9		86.5	86.3	2.9	2.9		3.8	3.9	
							27.7	23.7		5.9			86.0		3.0			4.0		
					Bottom	11.6	27.5	23.9	23.9	5.8	5.8	5.8	84.2	84.4	3.2	3.2		4.2	4.3	
							27.6	23.9		5.8			84.6		3.2			4.4		

Mid-Ebb Tide

Monitoring Station : M5

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
20-Jul-12	1312-1328	32/Fine	Small Wave	12.4	Surface	1.0	28.4	23.7	23.8	6.2	6.2	6.1	89.7	90.0	2.9	3.0	3.1	4.0	3.9	4.0
							28.4	23.8		6.2			90.2		3.0			3.8		
					Middle	6.2	28.3	23.9	23.9	6.1	6.1		89.0	88.7	3.0	3.1		4.0	3.9	
							28.3	23.9		6.1			88.3		3.1			3.8		
					Bottom	11.4	28.1	24.2	24.2	6.0	6.0	6.0	87.1	86.8	3.2	3.2		4.0	4.2	
							28.2	24.1		5.9			86.5		3.2			4.4		
25-Jul-12	1557-1615	26/Rainy	Small Wave	12.4	Surface	1.0	26.6	29.2	29.2	5.8	5.8	5.8	81.9	82.3	2.3	2.3	2.5	3.2	3.3	3.5
							26.6	29.1		5.9			82.6		2.3			3.4		
					Middle	6.2	26.6	29.3	29.3	5.7	5.7		80.3	80.1	2.4	2.4		3.6	3.6	
							26.5	29.3		5.7			79.8		2.5			3.6		
					Bottom	11.4	26.5	29.5	29.5	5.5	5.6	5.6	78.1	78.3	2.6	2.6		3.4	3.5	
							26.5	29.4		5.6			78.5		2.7			3.6		
27-Jul-12	1845-1902	28/Rainy	Great Wave	12.4	Surface	1.0	26.5	25.4	25.4	6.0	6.0	6.1	86.5	86.8	3.1	3.1	3.2	4.0	4.1	4.3
							26.4	25.4		6.1			87.1		3.2			4.2		
					Middle	6.2	26.3	25.6	25.6	6.1	6.1		88.3	88.5	3.2	3.2		4.4	4.3	
							26.3	25.6		6.2			88.7		3.3			4.2		
					Bottom	11.4	26.1	25.9	25.9	6.1	6.0	6.0	87.1	86.8	3.3	3.3		4.4	4.6	
							26.2	25.9		6.0			86.4		3.4			4.8		
30-Jul-12	1010-1025	30/Rainy	Small Wave	13.4	Surface	1.0	27.4	29.9	29.9	6.0	6.0	5.9	88.4	88.6	3.4	3.4	3.5	4.4	4.3	4.5
							27.3	29.9		6.0			88.7		3.4			4.2		
					Middle	6.7	27.1	30.2	30.2	5.9	5.9		86.3	86.0	3.5	3.5		4.6	4.5	
							27.1	30.2		5.8			85.7		3.5			4.4		
					Bottom	12.4	27.0	30.5	30.5	5.8	5.8	5.8	84.8	84.6	3.7	3.6		4.8	4.8	
							27.0	30.4		5.8			84.4		3.6			4.8		
1-Aug-12	1211-1226	30/Fine	Small Wave	13.6	Surface	1.0	27.7	29.7	29.7	6.0	6.0	5.9	84.5	84.8	3.4	3.4	3.4	4.4	4.5	4.6
							27.7	29.6		6.0			85.1		3.3			4.6		
					Middle	6.8	27.5	29.9	29.9	5.8	5.9		82.5	82.8	3.4	3.4		4.4	4.5	
							27.6	29.8		5.9			83.0		3.4			4.6		
					Bottom	12.6	27.3	30.1	30.1	5.7	5.7	5.7	81.8	81.5	3.5	3.5		4.8	4.8	
							27.4	30.1		5.7			81.1		3.6			4.8		
3-Aug-12	1350-1407	33/Cloudy	Small Wave	13.4	Surface	1.0	28.2	29.6	29.7	6.1	6.1	6.0	90.1	90.0	3.4	3.4	3.5	4.4	4.4	4.6
							28.2	29.7		6.1			89.8		3.5			4.4		
					Middle	6.7	28.0	29.9	30.0	6.0	5.9		88.3	88.0	3.5	3.5		4.6	4.5	
							27.9	30.0		5.9			87.6		3.6			4.4		
					Bottom	12.4	27.7	30.3	30.3	5.8	5.8	5.8	86.3	86.0	3.6	3.7		4.8	4.8	
							27.6	30.2		5.8			85.7		3.7			4.8		
6-Aug-12	1424-1436	33/Fine	Small Wave	13.9	Surface	1.0	28.1	25.9	26.0	5.5	5.5	5.5	80.8	80.6	1.2	1.2	2.2	2.6	2.5	3.3
							28.1	26.0		5.4			80.3		1.2			2.4		
					Middle	7.0	27.0	26.3	26.3	5.5	5.5		80.2	80.5	2.0	2.1		3.0	3.1	
							27.1	26.3		5.5			80.8		2.1			3.2		
					Bottom	12.9	26.1	26.8	26.8	4.7	4.7	4.7	68.1	68.3	3.3	3.3		4.2	4.3	
							26.2	26.8		4.8			68.4		3.3			4.4		
8-Aug-12	1547-1601	33/Fine	Small Wave	11.6	Surface	1.0	27.8	26.3	26.4	5.6	5.6	5.6	81.7	81.9	2.1	2.0	2.3	3.0	3.0	3.4
							27.9	26.4		5.7			82.1		2.0			3.0		
					Middle	5.8	27.6	26.5	26.5	5.6	5.5		80.6	80.3	2.3	2.3		3.4	3.3	
							27.7	26.5		5.5			79.9		2.3			3.2		
					Bottom	10.6	27.4	26.8	26.9	5.5	5.5	5.5	79.8	79.6	2.5	2.5		3.6	3.8	
							27.5	26.9		5.5			79.4		2.5			4.0		

Mid-Ebb Tide

Monitoring Station : M5

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
10-Aug-12	1643-1701	33/Cloudy	Small Wave	11.8	Surface	1.0	28.2	26.4	26.4	5.7	5.7	5.7	84.8	84.6	2.2	2.2	2.3	3.2	3.2	3.5
							28.3	26.3		5.7			84.4		2.2			3.2		
					Middle	5.9	28.1	26.6	26.6	5.6	5.6		83.2	83.0	2.3	2.3		3.4	3.4	
							28.0	26.6		5.6			82.7		2.3			3.4		
					Bottom	10.8	27.9	26.9	26.9	5.5	5.4	5.4	80.8	80.6	2.6	2.6		3.6	3.8	
							27.8	26.9		5.4			80.4		2.6			4.0		
13-Aug-12	1019-1036	27/Cloudy	Small Wave	11.8	Surface	1.0	27.8	25.2	25.3	5.9	5.9	5.8	84.8	85.2	2.2	2.2	2.5	3.2	3.3	3.5
							27.7	25.3		5.9			85.6		2.3			3.4		
					Middle	5.9	27.5	25.5	25.6	5.8	5.8		84.0	83.8	2.4	2.4		3.4	3.5	
							27.5	25.6		5.8			83.5		2.4			3.6		
					Bottom	10.8	27.3	25.9	26.0	5.9	5.9	5.9	85.4	85.6	2.8	2.7		3.8	3.7	
							27.3	26.0		5.9			85.8		2.7			3.6		
15-Aug-12	1125-1143	31/Sunny	Calm	12.2	Surface	1.0	28.3	27.5	27.5	6.1	6.1	6.0	89.3	89.0	1.9	1.9	2.1	2.8	2.9	3.2
							28.2	27.5		6.1			88.7		1.9			3.0		
					Middle	6.1	28.2	27.5	27.6	5.9	6.0		86.5	86.8	2.1	2.1		3.2	3.2	
							28.2	27.6		6.0			87.1		2.1			3.2		
					Bottom	11.2	28.0	27.6	27.7	5.7	5.8	5.8	83.6	84.0	2.4	2.4		3.4	3.5	
							28.0	27.7		5.8			84.3		2.4			3.6		
17-Aug-12	1245-1301	29/Cloudy	Great Wave	12.6	Surface	1.0	27.8	26.8	26.8	6.1	6.2	6.1	88.9	89.2	1.9	1.9	2.1	2.8	2.9	3.1
							27.8	26.8		6.2			89.4		2.0			3.0		
					Middle	6.3	27.6	27.0	27.0	6.0	6.0		87.3	87.6	2.0	2.1		3.0	3.1	
							27.5	26.9		6.1			87.8		2.1			3.2		
					Bottom	11.6	27.3	27.1	27.2	5.9	5.9	5.9	85.2	85.6	2.2	2.2		3.4	3.3	
							27.3	27.2		5.9			85.9		2.2			3.2		
20-Aug-12	1433-1450	32/Fine	Small Wave	11.8	Surface	1.0	28.0	25.8	25.8	5.9	6.0	5.9	87.2	87.6	3.0	3.0	3.1	4.0	4.0	4.1
							28.0	25.8		6.0			87.9		3.0			4.0		
					Middle	5.9	27.7	26.0	26.0	5.8	5.8		85.3	85.0	3.1	3.1		4.0	4.1	
							27.8	26.0		5.8			84.7		3.1			4.2		
					Bottom	10.8	27.5	26.4	26.4	5.9	5.9	5.9	86.1	86.3	3.2	3.2		4.2	4.3	
							27.5	26.3		5.9			86.4		3.2			4.4		
22-Aug-12	1550-1606	32/Cloudy	Calm	11.8	Surface	1.0	28.1	29.5	29.5	5.8	5.8	5.7	83.5	83.2	2.6	2.6	2.8	3.6	3.7	3.8
							28.1	29.5		5.8			82.9		2.6			3.8		
					Middle	5.9	28.0	29.5	29.5	5.7	5.7		82.2	82.1	2.8	2.8		3.8	3.7	
							28.0	29.4		5.7			81.9		2.8			3.6		
					Bottom	10.8	27.9	29.8	29.8	5.4	5.4	5.4	78.0	78.2	2.9	2.9		4.0	4.0	
							27.9	29.7		5.5			78.4		3.0			4.0		
24-Aug-12	1713-1731	33/Fine	Small Wave	12.2	Surface	1.0	27.9	27.3	27.4	6.1	6.1	6.0	89.2	88.9	2.1	2.1	2.2	3.0	3.1	3.3
							27.9	27.4		6.0			88.6		2.1			3.2		
					Middle	6.1	27.7	27.6	27.7	6.0	6.0		87.9	87.7	2.2	2.2		3.2	3.3	
							27.6	27.7		6.0			87.5		2.2			3.4		
					Bottom	11.2	27.5	28.0	28.1	5.9	5.9	5.9	86.4	86.1	2.3	2.3		3.2	3.4	
							27.5	28.1		5.8			85.8		2.3			3.6		
27-Aug-12	0942-0959	29/Fine	Calm	11.8	Surface	1.0	27.8	27.2	27.3	6.1	6.1	6.0	89.5	89.7	2.3	2.3	2.4	3.2	3.3	3.5
							27.8	27.3		6.1			89.8		2.4			3.4		
					Middle	5.9	27.6	27.5	27.5	6.0	6.0		88.2	88.0	2.5	2.4		3.6	3.6	
							27.5	27.5		6.0			87.8		2.4			3.6		
					Bottom	10.8	27.3	27.9	27.9	5.9	5.9	5.9	86.6	86.5	2.5	2.5		3.4	3.5	
							27.3	27.8		5.9			86.3		2.6			3.6		

Mid-Ebb Tide

Monitoring Station : M5

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
29-Aug-12	1110-1124	29/Fine	Small Wave	11.6	Surface	1.0	28.1	27.3	27.3	6.0	6.0	6.0	88.5	88.8	2.2	2.2	2.3	3.2	3.1	3.3
							28.1	27.2		6.1			89.0		2.2			3.0		
					Middle	5.8	27.9	27.6	27.6	6.0	5.9		87.7	87.5	2.3	2.3		3.4	3.3	
							27.9	27.5		5.9			87.3		2.4			3.2		
					Bottom	10.6	27.8	27.7	27.8	5.8	5.8	5.8	85.7	85.4	2.4	2.4		3.2	3.4	
							27.7	27.8		5.8			85.1		2.5			3.6		
31-Aug-12	1155-1213	29/Fine	Calm	12.0	Surface	1.0	27.5	26.4	26.4	5.6	5.6	5.5	81.1	81.4	2.2	2.2	2.3	3.0	3.1	3.2
							27.5	26.4		5.6			81.6		2.3			3.2		
					Middle	6.0	27.5	26.4	26.4	5.5	5.5		79.8	79.4	2.1	2.1		3.0	3.0	
							27.5	26.4		5.4			78.9		2.1			3.0		
					Bottom	11.0	27.4	26.6	26.6	5.2	5.2	5.2	75.5	75.8	2.5	2.5		3.6	3.6	
							27.4	26.5		5.2			76.1		2.6			3.6		
3-Sep-12	1356-1410	32/Fine	Small Wave	14.0	Surface	1.0	29.0	24.8	24.8	8.1	8.1	7.5	120.8	120.6	1.9	2.0	2.0	2.8	2.9	2.9
							29.1	24.8		8.1			120.4		2.0			3.0		
					Middle	7.0	28.3	25.0	25.0	6.9	6.9		102.1	102.3	1.8	1.9		2.6	2.7	
							28.5	24.9		6.9			102.5		1.9			2.8		
					Bottom	13.0	27.7	25.8	25.8	4.7	4.7	4.7	69.0	69.3	2.1	2.1		3.0	3.1	
							27.7	25.7		4.7			69.5		2.1			3.2		
5-Sep-12	1514-1532	31/Fine	Small Wave	12.0	Surface	1.0	27.9	27.3	27.4	6.0	6.0	6.0	88.6	89.0	2.4	2.4	2.6	3.6	3.7	3.6
							27.9	27.4		6.1			89.4		2.5			3.8		
					Middle	6.0	27.7	27.7	27.8	6.0	5.9		87.9	87.6	2.6	2.6		3.4	3.4	
							27.6	27.8		5.9			87.3		2.6			3.4		
					Bottom	11.0	27.4	28.0	28.0	5.8	5.8	5.8	86.1	85.8	2.7	2.7		3.8	3.7	
							27.3	28.0		5.8			85.4		2.7			3.6		
7-Sep-12	1539-1554	30/Cloudy	Small Wave	12.4	Surface	1.0	27.6	27.3	27.3	6.1	6.1	5.9	89.5	89.3	2.5	2.5	2.7	3.4	3.6	3.7
							27.6	27.3		6.0			89.0		2.6			3.8		
					Middle	6.2	27.5	27.6	27.6	5.9	5.8		86.4	86.1	2.7	2.7		3.6	3.7	
							27.4	27.6		5.8			85.8		2.7			3.8		
					Bottom	11.4	27.2	28.0	28.0	5.8	5.8	5.8	85.2	84.9	2.8	2.8		3.8	3.9	
							27.1	27.9		5.7			84.6		2.8			4.0		
10-Sep-12	0858-0916	28/Fine	Small Wave	12.2	Surface	1.0	27.7	27.6	27.6	6.0	6.0	5.9	88.5	88.3	2.6	2.7	2.8	3.6	3.7	3.9
							27.8	27.6		6.0			88.1		2.7			3.8		
					Middle	6.1	27.5	27.9	28.0	5.9	5.9		86.4	86.7	2.9	2.9		3.8	3.9	
							27.5	28.0		5.9			87.0		2.9			4.0		
					Bottom	11.2	27.3	28.3	28.3	5.8	5.8	5.8	85.1	84.9	3.0	3.0		4.0	4.2	
							27.2	28.3		5.7			84.7		3.0			4.4		
12-Sep-12	1018-1036	29/Fine	Calm	11.8	Surface	1.0	27.7	26.9	26.9	6.5	6.6	6.5	95.5	96.0	2.3	2.4	2.5	3.2	3.3	3.6
							27.7	26.9		6.6			96.4		2.4			3.4		
					Middle	5.9	27.7	26.9	27.0	6.4	6.4		93.4	93.2	2.5	2.5		3.6	3.6	
							27.7	27.0		6.4			93.0		2.5			3.6		
					Bottom	10.8	27.6	27.1	27.1	6.1	6.1	6.1	89.4	89.0	2.7	2.7		3.8	3.9	
							27.6	27.1		6.1			88.6		2.8			4.0		
14-Sep-12	1058-1115	29/Fine	Small Wave	11.6	Surface	1.0	27.9	26.9	27.0	6.7	6.8	6.7	98.3	98.6	2.5	2.5	2.6	3.4	3.5	3.6
							28.0	27.0		6.8			98.8		2.5			3.6		
					Middle	5.8	27.9	27.0	27.0	6.8	6.7		98.6	98.2	2.4	2.4		3.4	3.4	
							27.9	27.0		6.7			97.8		2.4			3.4		
					Bottom	10.6	27.8	27.0	27.1	6.3	6.3	6.3	92.0	91.6	2.8	2.9		3.8	3.9	
							27.8	27.1		6.2			91.1		2.9			4.0		

Mid-Ebb Tide

Monitoring Station : M5

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
17-Sep-12	1341-1356	29/Fine	Small Wave	11.8	Surface	1.0	27.7	27.0	27.0	6.2	6.2	6.2	90.5	90.9	2.3	2.4	2.5	3.2	3.3	3.5
							27.8	26.9		6.3			91.3		2.4			3.4		
					Middle	5.9	27.6	27.1	27.1	6.1	6.1		89.2	89.5	2.5	2.5		3.4	3.5	
							27.6	27.0		6.2			89.8		2.5			3.6		
					Bottom	10.8	27.5	27.1	27.2	6.0	6.0	6.0	86.8	87.1	2.7	2.7		3.8	3.7	
							27.6	27.2		6.0			87.4		2.7			3.6		
19-Sep-12	1448-1505	28/Cloudy	Calm	12.0	Surface	1.0	26.6	26.8	26.9	6.6	6.6	6.4	95.9	95.6	2.8	2.8	3.0	3.8	3.7	4.0
							26.7	26.9		6.5			95.3		2.8			3.6		
					Middle	6.0	26.6	26.9	26.9	6.4	6.3		92.7	92.4	2.9	2.9		3.8	3.9	
							26.6	26.9		6.3			92.1		3.0			4.0		
					Bottom	11.0	26.5	27.0	27.0	6.1	6.1	6.1	89.1	89.4	3.2	3.2		4.2	4.3	
							26.5	27.0		6.1			89.6		3.3			4.4		
21-Sep-12	1613-1630	30/Cloudy	Small Wave	11.8	Surface	1.0	27.8	25.6	25.7	6.1	6.1	6.0	89.5	89.2	2.6	2.5	2.8	3.6	3.6	3.9
							27.7	25.7		6.1			88.8		2.5			3.6		
					Middle	5.9	27.4	25.9	26.0	5.9	5.9		87.2	86.9	2.7	2.7		3.8	3.8	
							27.5	26.0		5.9			86.6		2.8			3.8		
					Bottom	10.8	27.2	26.2	26.2	5.8	5.8	5.8	85.3	85.0	3.0	3.0		4.0	4.2	
							27.2	26.2		5.8			84.7		3.1			4.4		
24-Sep-12	1912-1929	28/Cloudy	Small Wave	12.0	Surface	1.0	27.6	26.5	26.5	6.3	6.3	6.2	92.2	92.7	2.5	2.5	2.8	3.6	3.7	3.8
							27.5	26.4		6.3			93.1		2.5			3.8		
					Middle	6.0	27.4	26.8	26.8	6.1	6.0		88.9	88.6	2.7	2.8		3.6	3.6	
							27.3	26.7		6.0			88.2		2.8			3.6		
					Bottom	11.0	27.1	27.0	27.0	5.9	5.9	5.9	86.5	86.3	3.0	3.0		4.0	4.2	
							27.0	27.0		5.9			86.0		3.0			4.4		
26-Sep-12	1011-1025	28/Cloudy	Small Wave	12.2	Surface	1.0	27.6	26.3	26.3	6.2	6.3	6.2	91.4	91.7	2.6	2.5	2.7	3.6	3.7	3.8
							27.6	26.3		6.3			92.0		2.5			3.8		
					Middle	6.1	27.4	26.7	26.7	6.1	6.1		89.5	89.2	2.6	2.6		3.6	3.6	
							27.3	26.7		6.1			88.8		2.7			3.6		
					Bottom	11.2	27.2	26.9	27.0	5.9	5.9	5.9	86.8	87.0	3.0	2.9		4.0	4.2	
							27.3	27.0		6.0			87.2		2.9			4.4		
28-Sep-12	1105-1120	29/Sunny	Small Wave	13.4	Surface	1.0	27.6	26.6	26.6	5.8	5.8	5.7	85.4	85.1	3.0	3.1	3.4	4.0	4.1	4.4
							27.6	26.5		5.7			84.8		3.1			4.2		
					Middle	6.7	27.3	26.9	27.0	5.8	5.7		84.9	84.6	3.6	3.5		4.6	4.5	
							27.4	27.0		5.7			84.3		3.5			4.4		
					Bottom	12.4	27.2	27.2	27.2	5.7	5.7	5.7	84.3	84.6	3.6	3.6		4.6	4.7	
							27.2	27.1		5.8			84.9		3.7			4.8		
3-Oct-12	1415-1432	29/Fine	Small Wave	12.0	Surface	1.0	27.6	27.7	27.8	6.0	6.0	5.9	88.2	88.4	1.9	1.9	2.1	2.8	2.9	3.2
							27.6	27.8		6.0			88.6		1.9			3.0		
					Middle	6.0	27.6	27.8	27.8	5.9	5.9		86.4	86.1	2.1	2.1		3.0	3.1	
							27.6	27.8		5.8			85.8		2.1			3.2		
					Bottom	11.0	27.5	27.9	27.9	5.7	5.7	5.7	83.9	83.7	2.4	2.4		3.4	3.5	
							27.5	27.9		5.7			83.5		2.4			3.6		
5-Oct-12	1532-1547	28/Fine	Small Wave	12.2	Surface	1.0	27.7	27.7	27.7	5.9	5.9	5.8	86.4	86.7	2.0	2.0	2.2	2.8	2.8	3.1
							27.7	27.7		5.9			87.0		2.0			2.8		
					Middle	6.1	27.6	27.9	27.9	5.7	5.7		84.3	84.5	2.1	2.1		3.0	3.1	
							27.5	27.8		5.8			84.7		2.2			3.2		
					Bottom	11.2	27.4	28.0	28.0	5.6	5.6	5.6	82.6	82.3	2.3	2.3		3.2	3.4	
							27.3	28.0		5.6			82.0		2.4			3.6		

Mid-Ebb Tide

Monitoring Station : M5

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
8-Oct-12	0726-0742	26/Cloudy	Small Wave	12.4	Surface	1.0	27.6	26.8	26.8	5.5	5.5	5.5	80.8	81.2	2.6	2.5	2.7	3.4	3.5	3.7
							27.5	26.7		5.6			81.5		2.5			3.6		
					Middle	6.2	27.4	26.8	26.9	5.5	5.5		80.4	80.7	2.7	2.7		3.8	3.7	
							27.3	26.9		5.5			80.9		2.6			3.6		
					Bottom	11.4	27.2	27.0	27.0	5.5	5.5		79.9	80.3	2.8	2.8		3.8	3.9	
							27.3	26.9		5.5			80.6		2.8			4.0		
10-Oct-12	0841-0856	25/Fine	Small Wave	12.2	Surface	1.0	27.4	26.7	26.7	5.9	5.9	5.8	85.8	86.1	2.8	2.8	2.9	3.6	3.7	3.9
							27.5	26.7		5.9			86.4		2.8			3.8		
					Middle	6.1	27.4	26.8	26.8	5.7	5.7		83.5	83.8	2.9	2.9		3.8	3.9	
							27.3	26.7		5.7			84.0		2.9			4.0		
					Bottom	11.2	27.2	26.9	26.9	5.6	5.6		82.3	82.0	3.0	3.0		4.0	4.0	
							27.2	26.9		5.6			81.6		3.0			4.0		
12-Oct-12	0947-0955	27/Fine	Small Wave	11.9	Surface	1.0	27.4	26.8	26.8	5.5	5.5	5.4	80.7	80.4	2.7	2.8	3.1	3.8	3.9	4.1
							27.4	26.8		5.5			80.1		2.9			4.0		
					Middle	6.0	27.4	26.9	26.9	5.3	5.3		77.8	77.4	3.1	3.2		4.0	4.1	
							27.4	26.9		5.2			77.0		3.2			4.2		
					Bottom	10.9	27.3	27.0	27.0	5.1	5.1		75.1	74.8	3.3	3.3		4.4	4.4	
							27.3	27.0		5.1			74.5		3.4			4.4		
15-Oct-12	1216-1230	30/Fine	Small Wave	12.2	Surface	1.0	27.5	26.5	26.5	5.7	5.7	5.7	83.7	84.0	2.9	2.9	3.1	3.8	3.8	4.1
							27.6	26.4		5.8			84.2		2.9			3.8		
					Middle	6.1	27.5	26.5	26.6	5.6	5.6		82.3	82.0	3.0	3.0		4.0	4.1	
							27.5	26.6		5.6			81.7		3.1			4.2		
					Bottom	11.2	27.4	26.6	26.7	5.5	5.5		80.3	80.5	3.2	3.2		4.2	4.3	
							27.3	26.7		5.5			80.7		3.2			4.4		
17-Oct-12	1340-1356	28/Cloudy	Great Wave	11.8	Surface	1.0	27.2	26.7	26.7	5.8	5.8	5.7	84.5	84.1	2.4	2.4	2.4	3.2	3.3	3.4
							27.3	26.7		5.7			83.7		2.4			3.4		
					Middle	5.9	27.2	26.7	26.7	5.7	5.7		83.1	82.9	2.3	2.3		3.2	3.2	
							27.2	26.7		5.7			82.6		2.3			3.2		
					Bottom	10.8	27.2	26.7	26.7	5.5	5.5		80.4	80.6	2.5	2.5		3.6	3.8	
							27.1	26.7		5.5			80.8		2.6			4.0		
19-Oct-12	1457-1510	26/Fine	Small Wave	14.2	Surface	1.0	26.5	26.9	26.9	6.2	6.2	6.2	89.6	89.5	4.2	4.1	3.8	5.2	5.1	4.9
							26.6	26.9		6.2			89.4		4.0			5.0		
					Middle	7.1	26.6	26.9	26.9	6.3	6.2		90.6	90.4	3.9	3.9		4.8	4.9	
							26.6	26.9		6.2			90.2		4.0			5.0		
					Bottom	13.2	26.6	26.9	26.9	6.1	6.1		88.3	88.8	3.4	3.4		4.4	4.6	
							26.5	26.9		6.2			89.3		3.4			4.8		
22-Oct-12	1814-1832	27/Fine	Small Wave	11.8	Surface	1.0	26.9	26.4	26.5	5.9	5.9	5.9	87.3	87.0	3.7	3.7	3.8	4.6	4.7	4.9
							26.9	26.5		5.9			86.7		3.7			4.8		
					Middle	5.9	26.7	26.7	26.7	5.8	5.8		85.4	85.6	3.8	3.8		5.0	4.9	
							26.8	26.6		5.8			85.8		3.8			4.8		
					Bottom	10.8	26.6	26.8	26.8	5.7	5.7		84.2	84.0	4.0	4.0		4.8	5.0	
							26.5	26.8		5.7			83.8		4.0			5.2		
24-Oct-12	0842-0859	27/Fine	Small Wave	12.0	Surface	1.0	26.6	26.4	26.4	5.9	5.9	5.8	85.9	85.6	3.6	3.6	3.7	4.6	4.7	4.7
							26.7	26.4		5.9			85.3		3.6			4.8		
					Middle	6.0	26.5	26.5	26.5	5.8	5.8		84.2	84.0	3.7	3.7		4.4	4.5	
							26.5	26.5		5.8			83.7		3.7			4.6		
					Bottom	11.0	26.3	26.7	26.7	5.7	5.6	5.6	82.4	82.1	3.8	3.8		4.8	5.0	
							26.4	26.7		5.6			81.7		3.8			5.2		

Mid-Ebb Tide

Monitoring Station : M5

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
26-Oct-12	1006-1023	25/Cloudy	Small Wave	14.0	Surface	1.0	26.6	26.6	26.7	6.1	6.1	6.1	88.2	87.9	4.2	4.2	4.1	5.0	4.9	4.9
							26.5	26.7		6.0			87.6		4.1			4.8		
					Middle	7.0	26.6	26.8	26.8	6.0	6.0		87.3	87.7	4.1	4.0		4.8	4.9	
							26.5	26.8		6.1			88.0		4.0			5.0		
					Bottom	13.0	26.6	26.8	26.9	6.2	6.2		89.3	89.5	4.0	4.0		5.2	5.0	
							26.6	26.9		6.1			89.6		4.0			4.8		
29-Oct-12	1206-1223	25/Cloudy	Small Wave	13.8	Surface	1.0	26.3	26.6	26.7	6.0	6.0	6.0	87.6	87.4	4.2	4.2	4.1	5.4	5.3	5.0
							26.2	26.7		6.0			87.1		4.2			5.2		
					Middle	6.9	26.2	26.8	26.8	6.0	6.0		86.9	87.2	4.1	4.1		5.0	4.9	
							26.1	26.8		6.0			87.4		4.1			4.8		
					Bottom	12.8	26.0	26.8	26.9	6.1	6.1	6.1	88.9	89.1	4.0	4.0		5.0	4.9	
							26.0	26.9		6.2			89.2		4.0			4.8		
31-Oct-12	1306-1323	25/Cloudy	Small Wave	14.0	Surface	1.0	26.3	26.4	26.5	6.1	6.0	6.0	87.9	87.6	4.2	4.2	4.1	5.0	5.1	5.0
							26.3	26.5		6.0			87.3		4.2			5.2		
					Middle	7.0	26.2	26.6	26.6	6.0	6.0		87.0	87.2	4.1	4.1		4.8	4.7	
							26.1	26.6		6.0			87.4		4.1			4.6		
					Bottom	13.0	26.0	26.8	26.8	6.1	6.1	6.1	88.6	88.8	4.0	4.0		5.0	5.1	
							25.9	26.8		6.1			89.0		4.0			5.2		

Mid-Flood Tide

Monitoring Station : M5

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
16-Apr-12	1516-1531	28/Cloudy	Calm	13.6	Surface	1.0	23.0	26.1	26.1	8.7	8.7	8.4	117.7	117.9	2.2	2.2	2.8	4.0	4.0	4.6
							22.9	26.1		8.8			118.1		2.2			4.0		
					Middle	6.8	22.8	26.7	26.8	8.0	8.0		108.0	108.3	2.1	2.1		4.2	4.1	
							22.8	26.8		8.1			108.6		2.1			4.0		
					Bottom	12.6	22.6	26.8	26.8	7.6	7.6	7.6	103.0	102.8	3.9	4.0		5.6	5.7	
							22.5	26.8		7.6			102.6		4.0			5.8		
18-Apr-12	1715-1730	22/Cloudy	Small Wave	14.0	Surface	1.0	22.8	25.8	25.8	8.4	8.4	8.3	111.9	112.4	2.3	2.3	2.7	4.6	4.6	4.8
							22.7	25.8		8.4			112.8		2.4			4.6		
					Middle	7.0	22.5	26.3	26.3	8.3	8.3		110.1	110.5	2.5	2.5		4.8	4.8	
							22.4	26.3		8.3			110.8		2.6			4.8		
					Bottom	13.0	22.2	26.7	26.7	8.0	8.0	8.0	106.5	106.1	3.2	3.2		5.0	5.1	
							22.2	26.7		7.9			105.6		3.3			5.2		
20-Apr-12	1725-1742	22/Rain	Small Wave	13.8	Surface	1.0	22.0	25.8	25.9	7.7	7.8	7.7	101.3	101.7	2.3	2.3	2.8	3.8	3.9	4.4
							22.0	25.9		7.8			102.0		2.4			4.0		
					Middle	6.9	22.0	26.2	26.2	7.6	7.6		99.0	99.3	2.2	2.2		4.0	4.1	
							22.0	26.1		7.6			99.5		2.2			4.2		
					Bottom	12.8	22.0	26.3	26.4	7.4	7.4	7.4	96.7	97.0	3.9	3.9		5.2	5.3	
							21.9	26.4		7.4			97.2		3.9			5.4		
23-Apr-12	1959-2014	25/Cloudy	Small Wave	14.2	Surface	1.0	22.7	26.0	26.0	7.0	7.0	6.9	92.7	92.8	2.7	2.6	3.0	3.6	3.7	4.1
							22.7	25.9		7.0			92.9		2.6			3.8		
					Middle	7.1	22.3	26.3	26.3	6.9	6.9		91.0	91.2	3.1	3.1		4.2	4.1	
							22.3	26.2		6.9			91.4		3.0			4.0		
					Bottom	13.2	22.2	26.5	26.5	6.6	6.6	6.6	87.5	87.2	3.4	3.4		4.6	4.5	
							22.1	26.4		6.5			86.8		3.4			4.4		
25-Apr-12	0738-0755	27/Cloudy	Calm	14.0	Surface	1.0	26.5	25.4	25.4	6.9	6.9	6.8	91.8	92.2	2.7	2.8	3.0	4.0	4.0	4.3
							23.6	25.3		6.9			92.6		2.8			4.0		
					Middle	7.0	23.4	26.0	26.0	6.7	6.7		90.2	90.0	3.1	3.1		4.4	4.3	
							23.5	26.0		6.7			89.8		3.1			4.2		
					Bottom	13.0	23.5	26.4	26.5	6.6	6.6	6.6	88.6	88.8	3.2	3.2		4.4	4.5	
							23.5	26.5		6.6			88.9		3.3			4.6		
27-Apr-12	0910-0913	23/Cloudy	Small Wave	14.0	Surface	1.0	23.6	25.8	25.8	7.4	7.5	7.4	101.2	101.5	2.3	2.3	2.9	3.6	3.6	4.0
							23.6	25.7		7.5			101.7		2.4			3.6		
					Middle	7.0	23.4	26.9	27.0	7.3	7.2		99.0	98.8	3.0	3.0		4.0	4.0	
							23.3	27.0		7.2			98.5		3.1			4.0		
					Bottom	13.0	23.1	28.3	28.3	7.1	7.1	7.1	97.4	97.0	3.3	3.3		4.2	4.3	
							23.0	28.2		7.1			96.6		3.3			4.4		
30-Apr-12	1213-1230	28/Cloudy	Calm	14.2	Surface	1.0	23.5	25.4	25.5	6.8	6.8	6.7	90.2	89.8	2.4	2.5	2.7	4.0	4.1	4.6
							23.4	25.5		6.7			89.4		2.5			4.2		
					Middle	7.1	23.4	26.3	26.3	6.7	6.6		88.6	88.2	2.7	2.7		4.4	4.5	
							23.4	26.3		6.6			87.8		2.8			4.6		
					Bottom	13.2	23.3	26.9	26.9	6.5	6.5	6.5	86.7	86.5	3.0	3.1		5.2	5.1	
							23.3	26.8		6.5			86.2		3.1			5.0		
2-May-12	1445-1501	31/Sunny	Small Wave	14.4	Surface	1.0	25.7	26.6	26.6	7.4	7.5	7.4	105.7	106.2	2.4	2.4	2.8	3.8	3.9	4.3
							25.7	26.5		7.5			106.6		2.4			4.0		
					Middle	7.2	25.4	27.1	27.1	7.4	7.4		104.1	103.8	2.9	2.9		4.2	4.3	
							25.5	27.1		7.3			103.5		2.9			4.4		
					Bottom	13.4	25.1	28.2	28.3	7.6	7.6	7.6	107.2	106.9	3.2	3.3		4.6	4.7	
							25.1	28.3		7.5			106.5		3.3			4.8		

Mid-Flood Tide

Monitoring Station : M5

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
4-May-12	1643-1658	30/Cloudy	Small Wave	14.0	Surface	1.0	26.8	25.8	25.8	6.7	6.6	6.4	95.0	94.8	2.9	2.9	3.1	4.0	4.0	4.2
							26.8	25.7		6.6			94.5		2.9			4.0		
					Middle	7.0	26.4	26.4	26.4	6.2	6.2		88.2	88.1	3.2	3.2		4.4	4.5	
							26.3	26.4		6.2			87.9		3.3			4.6		
					Bottom	13.0	26.1	26.5	26.5	6.1	6.1	6.1	87.2	87.0	3.2	3.1		4.2	4.1	
							26.1	26.4		6.1			86.7		3.1			4.0		
7-May-12	1909-1924	28/Fine	Small Wave	14.0	Surface	1.0	25.4	26.1	26.1	7.4	7.5	7.4	104.2	104.6	2.2	2.2	2.8	3.6	3.6	3.9
							25.4	26.1		7.5			105.0		2.3			3.6		
					Middle	7.0	25.3	26.9	26.9	7.3	7.3		102.1	101.8	2.9	3.0		3.8	3.9	
							25.2	26.9		7.2			101.4		3.0			4.0		
					Bottom	13.0	25.0	28.1	28.1	7.2	7.1	7.1	100.4	100.2	3.1	3.1		4.2	4.2	
							25.0	28.1		7.1			99.9		3.1			4.2		
9-May-12	0921-0938	28/Fine	Calm	14.0	Surface	1.0	25.2	26.6	26.6	8.2	8.2	8.1	115.2	115.1	2.0	2.0	2.4	3.4	3.5	3.6
							25.3	26.5		8.1			114.9		2.1			3.6		
					Middle	7.0	25.3	26.6	26.7	8.0	8.0		112.8	112.5	2.4	2.4		3.6	3.7	
							25.2	26.7		8.0			112.2		2.4			3.8		
					Bottom	13.0	25.2	26.7	26.7	7.9	7.9	7.9	110.9	110.4	2.7	2.6		3.8	3.7	
							25.3	26.7		7.8			109.8		2.6			3.6		
11-May-12	1015-1028	26/Cloudy	Small Wave	13.6	Surface	1.0	26.2	25.8	25.9	7.4	7.5	7.4	104.9	105.2	2.3	2.3	2.8	3.4	3.3	3.8
							26.2	25.9		7.5			105.5		2.3			3.2		
					Middle	6.8	26.0	26.7	26.8	7.4	7.4		104.3	104.0	2.9	2.9		3.8	3.9	
							26.0	26.8		7.3			103.6		2.9			4.0		
					Bottom	12.6	25.8	27.9	28.0	7.1	7.2	7.2	100.8	101.1	3.0	3.1		4.0	4.1	
							25.9	28.0		7.2			101.4		3.1			4.2		
14-May-12	1340-1355	30/Cloudy	Small Wave	14.4	Surface	1.0	26.4	26.3	26.3	7.2	7.2	7.0	101.8	101.6	2.8	2.9	3.0	3.8	3.9	4.1
							26.4	26.3		7.1			101.3		2.9			4.0		
					Middle	7.2	25.9	28.0	28.0	6.8	6.9		97.1	97.3	3.0	3.0		4.0	4.1	
							25.9	28.0		6.9			97.5		3.0			4.2		
					Bottom	13.4	25.6	28.2	28.2	6.7	6.7	6.7	94.8	95.0	3.2	3.1		4.4	4.2	
							25.7	28.2		6.7			95.2		3.1			4.0		
16-May-12	1510-1524	27/Cloudy	Small Wave	14.2	Surface	1.0	26.7	25.2	25.2	8.2	8.2	8.1	117.9	118.2	2.1	2.0	2.3	3.4	3.3	3.5
							26.6	25.2		8.2			118.5		2.0			3.2		
					Middle	7.1	26.4	26.4	26.4	8.1	8.1		116.5	116.2	2.2	2.2		3.4	3.4	
							26.4	26.4		8.1			115.9		2.3			3.4		
					Bottom	13.2	26.2	27.7	27.7	7.9	7.9	7.9	106.1	109.9	2.5	2.5		3.6	3.7	
							26.1	27.7		7.9			113.6		2.5			3.8		
18-May-12	1740-1757	25/Drizzle	Small Wave	14.6	Surface	1.0	25.2	25.9	25.9	7.3	7.3	7.2	102.1	102.3	3.2	3.3	3.3	4.2	4.1	4.3
							25.3	25.9		7.3			102.5		3.3			4.0		
					Middle	7.3	25.3	26.5	26.5	7.0	7.0		98.6	98.1	3.2	3.2		4.2	4.2	
							25.3	26.5		7.0			97.6		3.2			4.2		
					Bottom	13.6	25.2	26.8	26.8	6.8	6.8	6.8	95.2	95.1	3.4	3.4		4.4	4.5	
							25.3	26.8		6.8			94.9		3.4			4.6		
21-May-12	1840-1855	28/Cloudy	Small Wave	13.8	Surface	1.0	26.4	25.7	25.7	6.3	6.3	6.2	88.7	88.9	2.8	2.8	3.0	3.8	3.7	4.0
							26.4	25.6		6.3			89.1		2.8			3.6		
					Middle	6.9	26.0	26.4	26.5	6.1	6.1		86.1	85.9	3.0	3.0		4.0	4.1	
							26.1	26.5		6.0			85.7		3.1			4.2		
					Bottom	12.8	26.0	27.1	27.1	5.9	5.9	5.9	83.5	83.8	3.2	3.2		4.4	4.3	
							25.9	27.0		6.0			84.1		3.2			4.2		

Mid-Flood Tide

Monitoring Station : M5

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
23-May-12	1910-1927	27/Cloudy	Small Wave	14.2	Surface	1.0	25.3	26.0	26.0	7.1	7.1	7.0	100.3	100.1	1.9	1.9	2.1	3.2	3.1	3.3
							25.3	25.9		7.1			99.8		1.9			3.0		
					Middle	7.1	25.2	26.2	26.2	7.0	7.0		98.2	98.5	2.1	2.1		3.2	3.2	
							25.2	26.1		7.0			98.8		2.1			3.2		
					Bottom	13.2	25.2	26.2	26.3	6.9	6.8	6.8	96.5	96.3	2.3	2.3		3.4	3.5	
							25.1	26.3		6.8			96.0		2.4			3.6		
25-May-12	0740-0758	26/Cloudy	Calm	14.4	Surface	1.0	26.4	26.5	26.5	6.2	6.2	6.2	88.3	88.6	2.0	2.0	2.2	3.0	3.1	3.4
							26.4	26.5		6.3			88.8		2.0			3.2		
					Middle	7.2	26.4	26.6	26.7	6.2	6.1		87.5	87.3	2.1	2.2		3.4	3.4	
							26.3	26.7		6.1			87.0		2.2			3.4		
					Bottom	13.4	26.4	26.8	26.8	6.0	6.0	6.0	85.5	85.7	2.3	2.3		3.6	3.7	
							26.4	26.8		6.0			85.8		2.4			3.8		
28-May-12	0943-1000	26/Cloudy	Small Wave	14.2	Surface	1.0	26.4	25.1	25.2	6.5	6.5	6.4	92.0	92.5	2.9	3.0	3.0	4.0	4.1	4.1
							26.3	25.2		6.6			93.0		3.0			4.2		
					Middle	7.1	26.2	25.4	25.5	6.4	6.4		90.5	90.2	2.9	2.9		4.0	3.9	
							26.2	25.5		6.3			89.8		2.9			3.8		
					Bottom	13.2	26.2	25.7	25.7	6.1	6.1	6.1	86.9	87.2	3.1	3.1		4.2	4.3	
							26.2	25.7		6.2			87.5		3.1			4.4		
30-May-12	1411-1427	28/Cloudy	Small Wave	14.8	Surface	1.0	26.5	26.4	26.5	6.2	6.2	6.2	88.3	88.6	2.0	2.0	2.1	3.0	3.1	3.3
							26.4	26.5		6.2			88.9		1.9			3.2		
					Middle	7.4	26.3	26.8	26.8	6.1	6.1		86.7	86.9	2.1	2.1		3.2	3.2	
							26.4	26.7		6.1			87.1		2.1			3.2		
					Bottom	13.8	26.3	27.1	27.1	6.1	6.0	6.0	86.3	86.0	2.3	2.3		3.4	3.5	
							26.3	27.0		6.0			85.7		2.3			3.6		
1-Jun-12	1640-1655	29/Cloudy	Great Wave	14.2	Surface	1.0	27.2	25.9	25.9	6.8	6.8	6.7	98.4	98.6	2.6	2.6	2.8	3.8	3.7	3.9
							27.1	25.9		6.8			98.8		2.6			3.6		
					Middle	7.1	26.7	26.3	26.3	6.5	6.5		93.2	93.5	2.9	2.9		4.0	4.0	
							26.7	26.3		6.5			93.7		2.9			4.0		
					Bottom	13.2	26.7	26.3	26.3	6.4	6.4	6.4	92.2	92.4	3.0	3.0		4.2	4.1	
							26.6	26.3		6.4			92.5		3.0			4.0		
4-Jun-12	1846-1901	29/Cloudy	Small Wave	14.0	Surface	1.0	27.1	26.0	26.0	7.2	7.2	6.9	105.1	104.4	2.4	2.5	2.8	3.4	3.5	3.8
							27.1	25.9		7.1			103.6		2.5			3.6		
					Middle	7.0	26.9	26.3	26.4	6.7	6.7		97.7	97.0	2.8	2.8		3.8	3.7	
							26.8	26.4		6.6			96.3		2.7			3.6		
					Bottom	13.0	26.6	26.6	26.7	6.4	6.4	6.4	93.3	93.4	3.2	3.1		4.2	4.1	
							26.6	26.7		6.4			93.5		3.0			4.0		
6-Jun-12	2017-2032	28/Cloudy	Small Wave	14.2	Surface	1.0	27.0	25.9	26.0	6.9	6.9	6.8	100.8	100.1	2.1	2.2	2.5	3.2	3.3	3.6
							27.0	26.0		6.8			99.4		2.3			3.4		
					Middle	7.1	26.9	26.4	26.4	6.7	6.7		97.6	97.9	2.4	2.5		3.6	3.6	
							26.8	26.3		6.7			98.2		2.5			3.6		
					Bottom	13.2	26.6	26.6	26.6	6.4	6.4	6.4	93.3	92.7	2.9	2.9		4.0	3.9	
							26.7	26.6		6.3			92.0		2.8			3.8		
8-Jun-12	0855-0915	27/Cloudy	Calm	12.4	Surface	1.0	27.9	27.3	27.4	6.2	6.2	6.2	92.1	92.0	1.1	1.2	1.8	2.2	2.3	3.0
							27.9	27.4		6.2			91.9		1.2			2.4		
					Middle	6.2	27.9	27.3	27.3	6.2	6.2		92.5	91.9	1.5	1.5		2.6	2.7	
							27.9	27.3		6.1			91.3		1.4			2.8		
					Bottom	11.4	27.9	27.3	27.4	6.1	6.0	6.0	90.2	90.0	2.9	2.9		3.8	3.9	
							27.9	27.4		6.0			89.8		2.8			4.0		

Mid-Flood Tide

Monitoring Station : M5

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
11-Jun-12	1132-1148	30/Cloudy	Small Wave	12.6	Surface	1.0	27.8	27.2	27.3	6.4	6.4	6.4	94.4	94.6	1.1	1.1	1.6	2.2	2.3	2.8
							27.8	27.3		6.4			94.8		1.2			2.4		
					Middle	6.3	27.8	27.3	27.3	6.5	6.5		95.7	95.4	1.4	1.4		2.6	2.7	
							27.8	27.3		6.4			95.1		1.5			2.8		
					Bottom	11.6	27.8	27.4	27.4	6.3	6.3	6.3	92.5	92.7	2.2	2.3		3.4	3.4	
							27.9	27.4		6.3			92.9		2.3			3.4		
13-Jun-12	1440-1455	29/Rainy	Small Wave	13.6	Surface	1.0	27.8	25.3	25.4	6.3	6.3	6.1	91.7	91.5	2.6	2.6	2.8	3.6	3.7	3.8
							27.8	25.4		6.2			91.2		2.6			3.8		
					Middle	6.8	27.1	26.8	26.8	5.9	5.9		86.8	86.5	2.9	2.8		3.8	3.7	
							27.1	26.8		5.9			86.2		2.8			3.6		
					Bottom	12.6	26.9	27.2	27.2	5.9	5.9	5.9	85.7	85.5	2.9	3.0		3.8	3.9	
							26.9	27.2		5.8			85.3		3.0			4.0		
15-Jun-12	1718-1735	31/Cloudy	Great Wave	12.6	Surface	1.0	27.8	27.2	27.3	6.4	6.4	6.3	94.1	93.9	1.4	1.4	1.5	2.6	2.5	2.8
							27.7	27.3		6.4			93.6		1.4			2.4		
					Middle	6.3	27.5	27.7	27.7	6.3	6.3		92.8	92.6	1.5	1.5		2.6	2.7	
							27.6	27.7		6.3			92.3		1.5			2.8		
					Bottom	11.6	27.3	27.9	28.0	6.2	6.2	6.2	91.0	90.7	1.6	1.6		3.0	3.1	
							27.3	28.0		6.2			90.4		1.6			3.2		
18-Jun-12	1733-1750	28/Cloudy	Great Wave	12.8	Surface	1.0	27.5	27.4	27.5	6.4	6.4	6.3	94.6	94.8	1.7	1.7	1.7	2.8	2.7	2.8
							27.5	27.5		6.4			95.0		1.7			2.6		
					Middle	6.4	27.5	27.5	27.6	6.3	6.3		93.2	93.0	1.4	1.5		2.4	2.5	
							27.5	27.6		6.3			92.8		1.5			2.6		
					Bottom	11.8	27.5	27.7	27.8	6.1	6.1	6.1	89.8	90.2	2.1	2.1		3.2	3.1	
							27.5	27.8		6.1			90.6		2.1			3.0		
20-Jun-12	1929-1947	29/Fine	Great Wave	12.6	Surface	1.0	27.6	27.2	27.3	6.4	6.4	6.3	93.8	94.3	1.5	1.6	1.8	2.4	2.5	2.8
							27.5	27.3		6.4			94.7		1.6			2.6		
					Middle	6.3	27.4	27.6	27.6	6.3	6.3		92.6	92.3	1.7	1.7		2.8	2.8	
							27.4	27.5		6.3			92.0		1.7			2.8		
					Bottom	11.6	27.2	27.9	27.9	6.1	6.1	6.1	89.5	89.8	2.1	2.1		3.0	3.1	
							27.3	27.9		6.1			90.1		2.1			3.2		
22-Jun-12	2040-2055	28/Drizzle	Small Wave	14.2	Surface	1.0	27.7	26.7	26.7	6.0	6.0	5.9	87.4	87.6	2.7	2.7	2.9	3.8	3.8	3.9
							27.7	26.7		6.0			87.8		2.7			3.8		
					Middle	7.1	27.4	27.0	27.1	5.8	5.8		84.9	84.7	3.0	3.1		4.0	4.0	
							27.4	27.1		5.8			84.4		3.1			4.0		
					Bottom	13.2	27.3	27.1	27.1	5.8	5.9	5.9	85.7	85.9	3.0	3.0		4.0	3.9	
							27.2	27.0		5.9			86.1		3.0			3.8		
25-Jun-12	0941-0956	28/Cloudy	Small Wave	14.4	Surface	1.0	28.2	26.6	26.6	5.9	5.8	5.8	86.2	85.8	2.9	2.9	3.1	3.8	3.9	4.1
							28.2	26.5		5.8			85.4		2.8			4.0		
					Middle	7.2	28.1	26.9	26.9	5.7	5.7		84.2	83.8	3.1	3.1		4.2	4.1	
							28.0	26.8		5.7			83.3		3.1			4.0		
					Bottom	13.4	28.0	26.9	26.9	5.7	5.7	5.7	83.7	83.4	3.2	3.2		4.2	4.2	
							28.0	26.8		5.7			83.1		3.2			4.2		
27-Jun-12	1124-1140	27/Cloudy	Small Wave	12.2	Surface	1.0	28.3	25.4	25.4	6.0	6.0	5.9	87.3	87.1	1.6	1.6	1.9	2.6	2.7	3.0
							28.4	25.4		6.0			86.9		1.6			2.8		
					Middle	6.1	28.3	25.4	25.5	5.9	5.9		85.6	85.4	1.7	1.7		2.8	2.8	
							28.3	25.5		5.9			85.1		1.8			2.8		
					Bottom	11.2	28.3	25.7	25.7	5.8	5.8	5.8	84.2	84.2	2.4	2.4		3.4	3.5	
							28.2	25.7		5.8			84.1		2.4			3.6		

Mid-Flood Tide

Monitoring Station : M5

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
29-Jun-12	1514-1531	32/Fine	Great Wave	12.6	Surface	1.0	28.6	27.5	27.6	6.4	6.5	6.4	96.3	96.7	1.0	1.3	1.6	2.8	2.8	2.8
							28.7	27.6		6.5			97.0		1.6			2.8		
					Middle	6.3	28.4	28.0	28.0	6.3	6.3		94.1	93.8	1.4	1.4		2.6	2.5	
							28.5	27.9		6.3			93.5		1.4			2.4		
					Bottom	11.6	28.2	28.3	28.3	6.1	6.1	6.1	91.3	91.0	2.1	2.1		3.0	3.1	
							28.2	28.2		6.1			90.6		2.1			3.2		
4-Jul-12	1915-1931	31/Cloudy	Small Wave	13.0	Surface	1.0	27.9	27.5	27.5	6.1	6.1	6.1	90.2	90.6	1.8	1.8	1.8	2.8	2.7	2.8
							27.9	27.4		6.2			91.0		1.8			2.6		
					Middle	6.5	27.5	27.8	27.9	6.1	6.1		90.7	90.4	1.7	1.7		2.8	2.8	
							27.6	27.9		6.1			90.1		1.7			2.8		
					Bottom	12.0	27.4	28.1	28.1	6.0	6.0	6.0	89.0	89.2	1.9	1.9		2.8	2.9	
							27.3	28.1		6.1			89.4		1.9			3.0		
6-Jul-12	0850-0905	28/Fine	Calm	14.4	Surface	1.0	27.4	24.5	24.5	6.2	6.3	6.0	90.0	90.7	1.2	1.2	1.9	2.4	2.3	2.9
							27.4	24.5		6.3			91.4		1.2			2.2		
					Middle	7.2	26.9	24.5	24.5	5.8	5.8		84.4	84.6	3.1	3.0		4.0	3.9	
							27.0	24.4		5.9			84.8		3.0			3.8		
					Bottom	13.4	26.8	25.1	25.2	5.8	5.7	5.7	83.5	83.1	1.4	1.4		2.4	2.6	
							26.7	25.2		5.7			82.7		1.4			2.8		
9-Jul-12	1006-1025	29/Fine	Calm	12.6	Surface	1.0	27.9	24.6	24.7	5.9	6.0	6.0	86.4	87.0	2.2	2.1	2.5	3.2	3.1	3.5
							27.9	24.7		6.0			87.6		2.1			3.0		
					Middle	6.3	27.9	24.7	24.8	6.0	6.0		87.8	88.2	2.4	2.3		3.4	3.4	
							27.9	24.8		6.1			88.5		2.3			3.4		
					Bottom	11.6	27.9	24.8	24.8	5.8	5.8	5.8	84.2	84.7	3.0	3.0		4.0	4.1	
							27.8	24.8		5.8			85.1		3.0			4.2		
11-Jul-12	1146-1203	30/Fine	Small Wave	12.6	Surface	1.0	28.0	25.4	25.4	6.3	6.3	6.2	93.3	93.5	2.0	2.0	2.0	3.0	3.0	3.0
							27.9	25.4		6.3			93.7		2.1			3.0		
					Middle	6.3	27.7	25.7	25.7	6.2	6.1		91.0	90.7	1.9	1.9		2.8	2.9	
							27.7	25.6		6.1			90.4		1.9			3.0		
					Bottom	11.6	27.5	26.0	26.0	6.1	6.0	6.0	89.7	89.4	2.2	2.2		3.2	3.1	
							27.5	26.0		6.0			89.1		2.2			3.0		
13-Jul-12	1534-1547	30/Cloudy	Small Wave	14.2	Surface	1.0	28.3	24.4	24.4	6.1	6.1	6.1	89.3	89.0	1.4	1.5	1.8	2.6	2.6	3.0
							28.2	24.4		6.1			88.7		1.5			2.6		
					Middle	7.1	27.9	24.5	24.6	6.0	6.0		87.9	87.7	1.8	1.9		3.0	3.1	
							28.0	24.6		6.0			87.5		1.9			3.2		
					Bottom	13.2	27.8	24.7	24.8	5.9	5.9	5.9	85.9	85.6	2.0	1.9		3.2	3.2	
							27.8	24.8		5.9			85.3		1.9			3.2		
16-Jul-12	1715-1733	32/Fine	Calm	12.8	Surface	1.0	27.9	23.8	23.8	6.2	6.2	6.1	89.1	89.4	2.9	2.9	3.1	4.0	3.9	4.1
							28.0	23.8		6.2			89.6		2.9			3.8		
					Middle	6.4	28.0	23.8	23.8	6.1	6.1		87.9	87.7	3.0	3.0		4.0	4.0	
							28.0	23.8		6.1			87.4		3.1			4.0		
					Bottom	11.8	27.9	24.0	24.0	5.9	5.9	5.9	84.3	84.7	3.3	3.3		4.4	4.4	
							27.9	24.0		5.9			85.0		3.3			4.4		
18-Jul-12	1840-1855	28/Cloudy	Small Wave	13.0	Surface	1.0	28.1	23.5	23.5	6.1	6.2	6.1	89.6	90.0	2.9	2.8	2.8	3.8	3.8	3.7
							28.1	23.4		6.2			90.3		2.8			3.8		
					Middle	6.5	27.8	23.7	23.7	6.1	6.0		88.3	88.0	2.7	2.7		3.6	3.5	
							27.7	23.7		6.0			87.7		2.7			3.4		
					Bottom	12.0	27.6	24.0	24.0	5.9	5.9	5.9	86.2	86.4	3.0	3.0		4.0	3.9	
							27.6	23.9		5.9			86.6		3.0			3.8		

Mid-Flood Tide

Monitoring Station : M5

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
20-Jul-12	1940-1958	30/Fine	Small Wave	20.0	Surface	1.0	28.3	23.8	23.8	6.2	6.2	6.2	90.2	90.5	3.0	3.0	3.1	4.0	3.9	4.0
							28.4	23.7		6.2			90.7		3.0			3.8		
					Middle	6.4	28.2	24.0	24.0	6.1	6.1		89.3	89.1	3.1	3.1		4.2	4.1	
							28.3	23.9		6.1			88.9		3.1			4.0		
					Bottom	11.8	28.1	24.2	24.2	6.0	6.0		87.3	87.5	3.1	3.1		4.0	4.1	
							28.1	24.2		6.0			87.6		3.1			4.2		
25-Jul-12	0935-0953	28/Cloudy	Small Wave	12.8	Surface	1.0	26.6	29.2	29.2	5.8	5.8	5.8	81.6	81.8	2.2	2.2	2.4	3.2	3.2	3.4
							26.5	29.2		5.8			82.0		2.2			3.2		
					Middle	6.4	26.6	29.4	29.4	5.7	5.7		80.0	80.3	2.3	2.3		3.4	3.4	
							26.6	29.3		5.7			80.5		2.4			3.4		
					Bottom	11.8	26.5	29.6	29.6	5.5	5.5	5.5	76.9	77.3	2.6	2.6		3.6	3.7	
							26.5	29.6		5.5			77.6		2.6			3.8		
27-Jul-12	1315-1331	26/Rainy	Great Wave	12.8	Surface	1.0	26.5	25.5	25.5	6.1	6.1	6.1	87.4	87.8	3.0	3.1	3.2	3.8	3.9	4.1
							26.4	25.4		6.1			88.1		3.1			4.0		
					Middle	6.4	26.3	25.6	25.7	6.0	6.0		86.4	86.6	3.1	3.2		4.0	4.1	
							26.3	25.7		6.0			86.8		3.2			4.2		
					Bottom	11.8	26.2	26.0	26.0	5.9	5.9	5.9	85.0	85.3	3.2	3.2		4.2	4.3	
							26.2	26.0		5.9			85.5		3.3			4.4		
30-Jul-12	1710-1725	31/Sunny	Small Wave	13.6	Surface	1.0	27.7	29.8	29.8	6.0	6.0	5.9	87.8	87.5	3.5	3.5	3.5	4.4	4.5	4.5
							27.7	29.8		5.9			87.2		3.5			4.6		
					Middle	6.8	27.2	30.5	30.5	5.9	5.9		86.3	86.0	3.4	3.4		4.4	4.4	
							27.2	30.4		5.8			85.7		3.3			4.4		
					Bottom	12.6	27.1	30.6	30.6	5.8	5.8	5.8	84.9	84.6	3.7	3.7		4.8	4.7	
							27.1	30.6		5.8			84.3		3.8			4.6		
1-Aug-12	1812-1827	33/Fine	Small Wave	14.2	Surface	1.0	27.7	29.7	29.7	6.1	6.0	6.0	88.7	88.5	3.4	3.4	3.4	4.6	4.5	4.5
							27.8	29.6		6.0			88.2		3.4			4.4		
					Middle	7.1	27.6	29.8	29.9	6.0	5.9		87.4	87.2	3.3	3.3		4.2	4.3	
							27.6	29.9		5.9			87.0		3.3			4.4		
					Bottom	13.2	27.4	30.0	30.1	5.9	5.9	5.9	86.6	86.3	3.5	3.5		4.6	4.6	
							27.4	30.1		5.9			86.0		3.5			4.6		
3-Aug-12	1918-1935	31/Fine	Small Wave	13.8	Surface	1.0	28.1	29.7	29.7	6.1	6.1	6.0	90.6	90.3	3.5	3.5	3.5	4.6	4.5	4.6
							28.1	29.7		6.1			90.0		3.5			4.4		
					Middle	6.9	27.9	30.0	30.0	6.0	6.0		88.6	88.3	3.4	3.5		4.4	4.5	
							27.8	30.0		5.9			88.0		3.5			4.6		
					Bottom	12.8	27.6	30.3	30.3	5.9	5.9	5.9	86.9	86.8	3.6	3.6		4.6	4.7	
							27.6	30.3		5.9			86.6		3.7			4.8		
6-Aug-12	0914-0930	30/Cloudy	Small Wave	12.8	Surface	1.0	26.9	25.7	25.8	4.5	4.4	4.5	64.6	64.3	2.5	2.5	2.6	3.6	3.5	3.7
							27.0	25.8		4.4			63.9		2.5			3.4		
					Middle	6.4	26.8	26.1	26.2	4.6	4.6		66.8	66.6	2.7	2.7		3.8	3.8	
							26.8	26.2		4.6			66.4		2.7			3.8		
					Bottom	11.8	26.8	26.3	26.3	4.7	4.7	4.7	67.8	68.0	2.7	2.7		3.8	3.7	
							26.7	26.3		4.7			68.2		2.6			3.6		
8-Aug-12	1047-1102	30/Fine	Small Wave	12.4	Surface	1.0	27.7	26.3	26.3	5.7	5.7	5.7	82.9	82.6	1.8	1.8	2.1	3.8	3.7	3.4
							27.8	26.3		5.7			82.2		1.8			3.6		
					Middle	6.2	27.6	26.5	26.5	5.6	5.6		81.0	81.3	2.0	2.1		3.0	3.1	
							27.6	26.5		5.6			81.6		2.1			3.2		
					Bottom	11.4	27.4	26.9	27.0	5.6	5.5	5.5	80.7	80.4	2.4	2.3		3.6	3.5	
							27.5	27.0		5.5			80.0		2.3			3.4		

Mid-Flood Tide

Monitoring Station : M5

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
10-Aug-12	1317-1334	33/Cloudy	Small Wave	12.4	Surface	1.0	28.2	26.4	26.4	5.8	5.8	5.7	85.4	85.6	2.1	2.1	2.3	3.0	3.1	3.4
							28.1	26.4		5.8			85.8		2.1			3.2		
					Middle	6.2	28.0	26.6	26.6	5.6	5.6		82.7	83.0	2.4	2.3		3.4	3.4	
							28.0	26.6		5.6			83.3		2.3			3.4		
					Bottom	11.4	27.8	26.8	26.9	5.6	5.5	5.5	82.1	81.8	2.5	2.5		3.6	3.7	
							27.8	26.9		5.5			81.4		2.5			3.8		
13-Aug-12	2019-2036	27/Cloudy	Small Wave	12.4	Surface	1.0	27.7	25.3	25.3	5.9	5.9	5.9	86.0	86.2	2.2	2.2	2.4	3.2	3.3	3.5
							27.7	25.2		6.0			86.4		2.2			3.4		
					Middle	6.2	27.5	25.5	25.5	5.8	5.8		84.2	84.0	2.4	2.4		3.4	3.5	
							27.5	25.5		5.8			83.7		2.4			3.6		
					Bottom	11.4	27.2	25.8	25.9	5.7	5.7	5.7	82.5	82.2	2.7	2.7		3.6	3.7	
							27.3	25.9		5.6			81.8		2.7			3.8		
15-Aug-12	1656-1713	32/Fine	Calm	12.6	Surface	1.0	28.2	27.5	27.6	6.2	6.2	6.1	89.7	90.0	1.8	1.8	2.0	2.8	2.7	3.1
							28.3	27.6		6.2			90.2		1.8			2.6		
					Middle	6.3	28.2	27.6	27.6	6.0	6.0		87.8	88.1	2.0	2.0		3.2	3.0	
							28.2	27.6		6.1			88.3		2.0			2.8		
					Bottom	11.6	28.2	27.7	27.7	5.9	5.9	5.9	85.8	85.5	2.3	2.3		3.4	3.5	
							28.1	27.7		5.8			85.2		2.4			3.6		
17-Aug-12	1816-1831	29/Cloudy	Great Wave	13.2	Surface	1.0	27.7	26.7	26.8	6.2	6.2	6.2	89.6	89.8	1.9	1.9	2.0	4.0	3.9	3.4
							27.7	26.8		6.2			90.0		1.8			3.8		
					Middle	6.6	27.5	27.0	27.0	6.1	6.1		88.3	88.6	2.0	2.0		3.0	3.0	
							27.5	26.9		6.1			88.8		2.0			3.0		
					Bottom	12.2	27.4	27.2	27.2	6.0	6.0	6.0	86.6	86.3	2.1	2.1		3.2	3.2	
							27.3	27.1		5.9			86.0		2.1			3.2		
20-Aug-12	0853-0910	28/Fine	Small Wave	12.6	Surface	1.0	27.7	25.7	25.8	6.0	6.0	5.9	87.6	88.0	3.1	3.1	3.0	4.0	3.9	3.9
							27.7	25.8		6.0			88.3		3.0			3.8		
					Middle	6.3	27.5	26.0	26.1	5.9	5.9		86.7	86.4	2.9	2.9		3.8	3.8	
							27.6	26.1		5.9			86.0		3.0			3.8		
					Bottom	11.6	27.4	26.4	26.5	5.7	5.7	5.7	84.4	84.1	3.1	3.1		4.0	4.0	
							27.4	26.5		5.7			83.8		3.1			4.0		
22-Aug-12	0944-1000	29/Cloudy	Calm	12.2	Surface	1.0	27.9	29.4	29.5	5.7	5.7	5.6	81.7	82.0	2.7	2.7	2.9	3.8	3.9	4.1
							27.9	29.5		5.7			82.3		2.7			4.0		
					Middle	6.1	27.9	29.6	29.6	5.6	5.6		80.2	79.9	2.9	2.9		4.0	4.0	
							27.8	29.6		5.5			79.6		2.9			4.0		
					Bottom	11.2	27.7	29.8	29.8	5.3	5.3	5.3	76.8	76.6	3.0	3.1		4.4	4.3	
							27.8	29.7		5.3			76.3		3.1			4.2		
24-Aug-12	1215-1232	30/Fine	Small Wave	12.6	Surface	1.0	27.8	27.4	27.4	6.1	6.1	6.1	89.8	90.1	2.1	2.1	2.2	3.0	3.1	3.2
							27.8	27.3		6.1			90.3		2.1			3.2		
					Middle	6.3	27.6	27.6	27.7	6.0	6.0		88.8	88.5	2.2	2.2		3.2	3.3	
							27.6	27.7		6.0			88.2		2.2			3.4		
					Bottom	11.6	27.4	28.0	28.0	5.9	5.9	5.9	87.0	86.7	2.2	2.3		3.2	3.3	
							27.5	28.0		5.9			86.3		2.3			3.4		
27-Aug-12	1616-1633	34/Fine	Calm	12.6	Surface	1.0	28.0	27.2	27.2	6.1	6.0	6.0	88.9	88.6	2.3	2.3	2.4	3.2	3.2	3.4
							28.0	27.2		6.0			88.2		2.3			3.2		
					Middle	6.3	27.8	27.5	27.5	5.9	5.9		87.0	86.7	2.3	2.4		3.4	3.5	
							27.7	27.4		5.9			86.4		2.4			3.6		
					Bottom	11.6	27.5	27.5	27.5	5.8	5.8	5.8	85.4	85.3	2.5	2.5		3.4	3.5	
							27.4	27.4		5.8			85.1		2.5			3.6		

Mid-Flood Tide

Monitoring Station : M5

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
29-Aug-12	1715-1731	31/Fine	Small Wave	12.0	Surface	1.0	28.0	27.2	27.2	6.1	6.1	6.1	90.2	90.5	2.1	2.1	2.2	2.8	2.9	3.2
							28.1	27.2		6.2			90.7		2.1			3.0		
					Middle	6.0	27.9	27.5	27.5	6.0	6.1		88.9	89.1	2.2	2.2		3.4	3.3	
							27.8	27.5		6.1			89.3		2.3			3.2		
					Bottom	11.0	27.7	27.6	27.7	5.9	5.9	5.9	87.1	87.5	2.3	2.3		3.2	3.3	
							27.8	27.7		6.0			87.9		2.3			3.4		
31-Aug-12	1727-1745	30/Fine	Calm	12.4	Surface	1.0	27.6	26.4	26.5	5.6	5.6	5.6	81.3	81.7	2.2	2.2	2.3	3.0	3.2	3.2
							27.5	26.5		5.7			82.1		2.3			3.4		
					Middle	6.2	27.5	26.4	26.4	5.6	5.6		80.5	80.7	2.1	2.1		3.0	3.1	
							27.5	26.4		5.6			80.9		2.1			3.2		
					Bottom	11.4	27.5	26.5	26.5	5.3	5.3	5.3	76.7	76.9	2.4	2.4		3.4	3.4	
							27.5	26.5		5.3			77.1		2.4			3.4		
3-Sep-12	1945-2002	32/Fine	Small Wave	14.6	Surface	1.0	28.7	24.9	24.9	7.8	7.7	7.6	115.1	114.3	1.7	1.8	1.8	2.6	2.7	2.7
							28.7	24.8		7.7			113.4		1.8			2.8		
					Middle	7.3	28.4	25.0	25.0	7.4	7.4		110.8	110.2	1.6	1.6		2.4	2.5	
							28.5	25.0		7.4			109.5		1.6			2.6		
					Bottom	13.6	27.8	25.9	25.9	5.6	5.7	5.7	82.2	82.8	2.0	1.9		2.8	2.9	
							27.7	25.9		5.7			83.3		1.9			3.0		
5-Sep-12	0958-1015	28/Cloudy	Small Wave	12.8	Surface	1.0	27.8	27.3	27.3	6.1	6.1	6.0	89.7	89.5	2.5	2.6	2.6	3.8	3.6	3.5
							27.8	27.3		6.1			89.2		2.6			3.4		
					Middle	6.4	27.5	27.8	27.8	5.9	6.0		87.6	87.9	2.4	2.4		3.2	3.3	
							27.6	27.7		6.0			88.1		2.4			3.4		
					Bottom	11.8	27.3	27.9	28.0	5.9	5.9	5.9	86.7	86.4	2.7	2.7		3.8	3.7	
							27.3	28.0		5.8			86.1		2.7			3.6		
7-Sep-12	1138-1152	28/Cloudy	Small Wave	13.0	Surface	1.0	27.5	27.2	27.3	6.1	6.1	6.0	90.0	90.3	2.4	2.4	2.6	3.2	3.3	3.5
							27.6	27.3		6.2			90.6		2.4			3.4		
					Middle	6.5	27.3	27.6	27.6	6.0	6.0		88.2	88.0	2.6	2.6		3.4	3.5	
							27.4	27.5		6.0			87.7		2.6			3.6		
					Bottom	12.0	27.2	27.9	27.9	5.9	5.9	5.9	86.8	87.1	2.7	2.7		3.8	3.8	
							27.2	27.9		5.9			87.3		2.7			3.8		
10-Sep-12	1915-1932	28/Fine	Small Wave	12.8	Surface	1.0	27.9	27.6	27.6	6.0	6.0	6.0	88.9	89.2	2.6	2.6	2.8	3.8	3.6	3.9
							27.9	27.5		6.1			89.4		2.6			3.4		
					Middle	6.4	27.6	27.9	28.0	5.9	5.9		87.6	87.4	2.8	2.8		3.8	3.9	
							27.7	28.0		5.9			87.2		2.9			4.0		
					Bottom	11.8	27.3	28.3	28.3	5.8	5.8	5.8	85.6	85.9	3.0	3.0		4.0	4.1	
							27.4	28.3		5.8			86.1		3.0			4.2		
12-Sep-12	1646-1704	32/Fine	Calm	12.4	Surface	1.0	27.7	26.9	26.9	6.6	6.6	6.5	96.6	96.9	2.4	2.4	2.6	3.4	3.5	3.7
							27.8	26.9		6.7			97.2		2.5			3.6		
					Middle	6.2	27.8	27.0	27.0	6.4	6.5		93.8	94.2	2.5	2.6		3.4	3.6	
							27.7	27.0		6.5			94.5		2.6			3.8		
					Bottom	11.4	27.6	27.1	27.2	6.2	6.2	6.2	90.2	90.6	2.8	2.8		3.8	3.9	
							27.7	27.2		6.2			90.9		2.8			4.0		
14-Sep-12	1624-1640	30/Fine	Small Wave	12.6	Surface	1.0	28.0	27.0	27.1	6.6	6.7	6.7	96.9	97.2	2.4	2.4	2.4	3.4	3.3	3.3
							27.9	27.1		6.7			97.5		2.3			3.2		
					Middle	6.3	27.9	27.1	27.1	6.7	6.7		98.0	97.7	2.2	2.2		3.0	3.1	
							27.9	27.1		6.7			97.4		2.3			3.2		
					Bottom	11.6	27.8	27.3	27.3	6.2	6.2	6.2	90.8	91.1	2.6	2.6		3.8	3.6	
							27.8	27.3		6.3			91.3		2.6			3.4		

Mid-Flood Tide

Monitoring Station : M5

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
17-Sep-12	1842-1858	29/Fine	Small Wave	12.4	Surface	1.0	27.6	27.0	27.0	6.3	6.3	6.3	91.8	92.2	2.3	2.2	2.4	3.2	3.1	3.3
							27.6	26.9		6.3			92.6		2.2			3.0		
					Middle	6.2	27.5	27.0	27.1	6.2	6.2		90.6	90.3	2.4	2.4		3.4	3.5	
							27.4	27.1		6.2			90.0		2.4			3.6		
					Bottom	11.4	27.4	27.1	27.1	6.0	6.1	6.1	88.2	88.2	2.6	2.6		3.4	3.4	
							27.3	27.1		6.1			88.1		2.6			3.4		
19-Sep-12	0927-0945	27/Fine	Calm	12.4	Surface	1.0	26.6	26.8	26.8	6.6	6.7	6.5	96.8	97.3	2.6	2.6	2.9	3.8	3.7	4.0
							26.6	26.7		6.7			97.7		2.6			3.6		
					Middle	6.2	26.6	26.8	26.8	6.4	6.4		93.0	93.3	2.9	2.9		3.8	3.9	
							26.6	26.8		6.4			93.6		2.9			4.0		
					Bottom	11.4	26.5	26.9	26.9	6.2	6.2	6.2	91.7	91.4	3.2	3.2		4.2	4.3	
							26.5	26.9		6.2			91.1		3.2			4.4		
21-Sep-12	1056-1113	28/Cloudy	Small Wave	12.8	Surface	1.0	27.5	25.7	25.7	6.1	6.1	6.0	89.3	89.0	2.4	2.4	2.7	3.4	3.5	3.8
							27.6	25.7		6.0			88.7		2.4			3.6		
					Middle	6.4	27.3	25.9	25.9	5.9	5.9		87.1	86.8	2.6	2.7		3.8	3.8	
							27.3	25.9		5.9			86.5		2.7			3.8		
					Bottom	11.8	27.1	26.1	26.2	5.8	5.8	5.8	84.9	84.7	3.0	3.0		4.0	4.1	
							27.1	26.2		5.8			84.4		3.0			4.2		
24-Sep-12	1543-1600	30/Cloudy	Small Wave	12.8	Surface	1.0	27.7	26.4	26.4	6.3	6.3	6.2	92.6	93.1	2.4	2.4	2.7	3.4	3.5	3.8
							27.6	26.4		6.4			93.5		2.4			3.6		
					Middle	6.4	27.3	26.7	26.7	6.1	6.1		89.2	89.7	2.6	2.6		3.6	3.7	
							27.4	26.7		6.1			90.2		2.7			3.8		
					Bottom	11.8	27.1	27.0	27.1	5.9	5.9	5.9	87.2	86.9	2.9	2.9		4.0	4.1	
							27.1	27.1		5.9			86.6		3.0			4.2		
26-Sep-12	1613-1627	29/Cloudy	Small Wave	13.0	Surface	1.0	27.7	26.2	26.3	6.3	6.3	6.2	93.0	92.7	2.3	2.3	2.5	3.2	3.3	3.6
							27.7	26.3		6.3			92.4		2.4			3.4		
					Middle	6.5	27.5	26.7	26.7	6.1	6.1		89.6	89.9	2.4	2.5		3.6	3.6	
							27.4	26.6		6.1			90.1		2.5			3.6		
					Bottom	12.0	27.3	26.9	27.0	6.0	6.0	6.0	87.7	88.0	2.9	2.8		3.8	3.9	
							27.3	27.0		6.0			88.3		2.8			4.0		
28-Sep-12	1705-1720	29/Sunny	Small Wave	14.0	Surface	1.0	28.0	26.7	26.7	5.9	6.0	5.9	87.8	88.1	3.2	3.2	3.6	4.2	4.1	4.5
							28.1	26.7		6.0			88.4		3.2			4.0		
					Middle	7.0	27.7	27.0	27.1	5.9	5.9		86.9	86.7	3.9	3.9		4.8	4.7	
							27.6	27.1		5.9			86.5		3.9			4.6		
					Bottom	13.0	27.5	27.3	27.3	5.8	5.8	5.8	87.5	86.9	3.8	3.8		4.8	4.8	
							27.6	27.3		5.8			86.3		3.8			4.8		
3-Oct-12	1916-1934	29/Fine	Small Wave	12.4	Surface	1.0	27.7	27.8	27.8	5.9	5.9	5.9	87.1	87.4	2.0	2.0	2.2	2.8	2.9	3.2
							27.8	27.8		6.0			87.6		2.0			3.0		
					Middle	6.2	27.7	27.9	28.0	5.8	5.8		85.6	85.3	2.1	2.1		3.2	3.1	
							27.7	28.0		5.8			85.0		2.2			3.0		
					Bottom	11.4	27.6	28.1	28.1	5.5	5.5	5.5	81.0	81.3	2.3	2.4		3.4	3.5	
							27.5	28.1		5.5			81.6		2.4			3.6		
5-Oct-12	0943-0958	26/Fine	Small Wave	12.6	Surface	1.0	27.6	27.7	27.7	6.0	6.0	5.9	87.7	87.9	1.8	1.8	2.1	2.8	2.7	3.0
							27.5	27.6		6.0			88.0		1.9			2.6		
					Middle	6.3	27.4	27.8	27.8	5.8	5.9		85.8	86.2	2.0	2.0		3.0	2.9	
							27.4	27.8		5.9			86.5		2.1			2.8		
					Bottom	11.6	27.3	27.9	28.0	5.7	5.7	5.7	84.3	84.0	2.3	2.3		3.2	3.3	
							27.2	28.0		5.7			83.6		2.3			3.4		

Mid-Flood Tide

Monitoring Station : M5

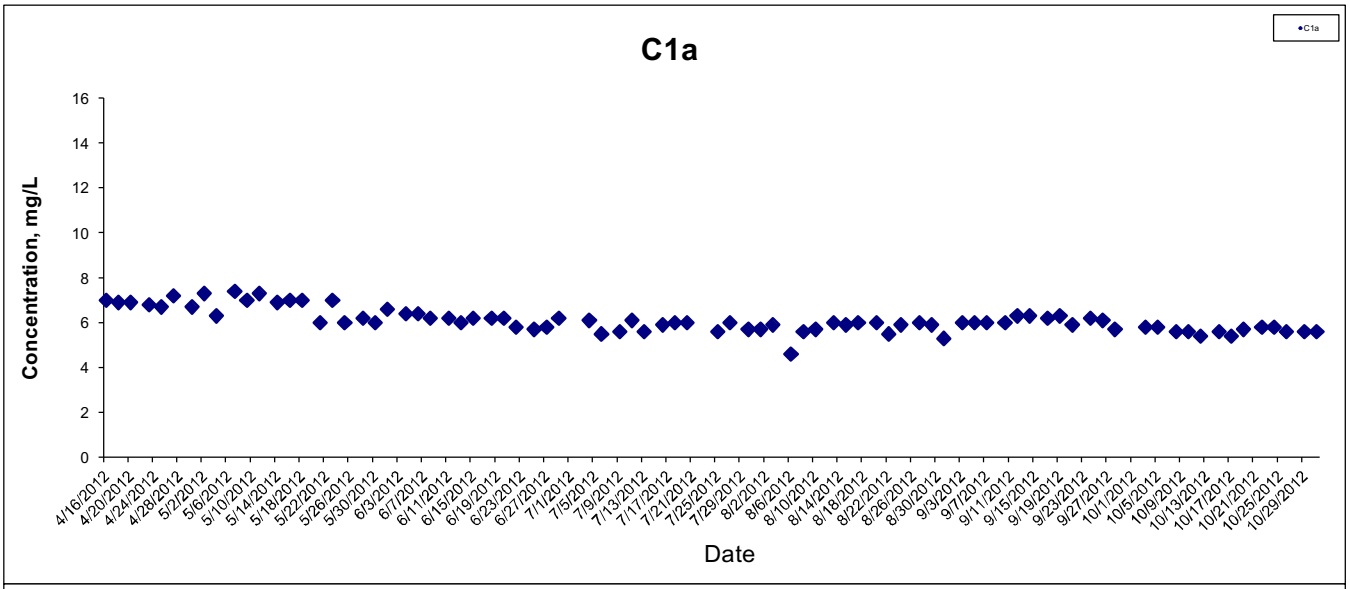
Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
8-Oct-12	1808-1824	27/Fine	Small Wave	12.8	Surface	1.0	27.4	26.7	26.7	5.6	5.6	5.6	81.7	81.9	2.5	2.5	2.6	3.6	3.5	3.7
							27.3	26.7		5.6			82.1		2.5			3.4		
					Middle	6.4	27.3	26.8	26.8	5.6	5.5		81.4	81.1	2.6	2.6		3.8	3.8	
							27.3	26.7		5.5			80.7		2.6			3.8		
					Bottom	11.8	27.2	26.9	26.9	5.5	5.5	5.5	80.3	80.7	2.7	2.7		3.8	3.9	
							27.1	26.9		5.5			81.0		2.7			4.0		
10-Oct-12	1540-1556	28/Fine	Small Wave	13.0	Surface	1.0	27.5	26.7	26.7	6.0	6.0	5.9	87.4	87.2	2.7	2.7	2.8	3.6	3.7	3.8
							27.6	26.6		5.9			86.9		2.7			3.8		
					Middle	6.5	27.5	26.8	26.8	5.9	5.8		85.6	85.2	2.8	2.8		3.6	3.6	
							27.4	26.7		5.8			84.8		2.8			3.6		
					Bottom	12.0	27.3	26.8	26.9	5.7	5.7	5.7	83.7	83.4	2.9	2.9		4.0	4.0	
							27.3	26.9		5.7			83.0		2.9			4.0		
12-Oct-12	1648-1706	28/Fine	Small Wave	12.5	Surface	1.0	27.6	26.7	26.7	5.4	5.4	5.3	79.1	79.6	2.6	2.6	2.8	3.4	3.5	3.8
							27.5	26.7		5.4			80.0		2.6			3.6		
					Middle	6.3	27.5	26.8	26.8	5.2	5.2		76.0	75.7	2.8	2.9		3.8	3.9	
							27.5	26.8		5.1			75.4		2.9			4.0		
					Bottom	11.5	27.4	26.9	27.0	5.0	4.9	4.9	72.9	72.4	3.1	3.1		4.2	4.1	
							27.4	27.0		4.9			71.9		3.1			4.0		
15-Oct-12	1819-1834	28/Fine	Small Wave	12.8	Surface	1.0	27.5	26.4	26.5	5.8	5.8	5.7	84.8	85.1	2.9	2.9	3.0	3.6	3.7	3.9
							27.4	26.5		5.8			85.3		2.9			3.8		
					Middle	6.4	27.3	26.6	26.6	5.7	5.7		83.5	83.3	3.0	3.0		3.8	3.9	
							27.3	26.6		5.7			83.1		3.1			4.0		
					Bottom	11.8	27.1	26.7	26.7	5.6	5.6	5.6	81.8	81.7	3.1	3.2		4.2	4.2	
							27.2	26.7		5.6			81.5		3.2			4.2		
17-Oct-12	1912-1927	27/Cloudy	Small Wave	12.4	Surface	1.0	27.1	26.7	26.8	5.8	5.8	5.8	84.8	85.1	2.3	2.3	2.4	3.2	3.3	3.4
							27.1	26.8		5.8			85.3		2.3			3.4		
					Middle	6.2	27.1	26.8	26.8	5.7	5.7		83.8	83.4	2.2	2.2		3.0	3.1	
							27.1	26.8		5.7			83.0		2.2			3.2		
					Bottom	11.4	27.1	26.7	26.8	5.6	5.5	5.5	81.4	81.0	2.6	2.6		3.6	3.7	
							27.1	26.8		5.5			80.6		2.6			3.8		
19-Oct-12	0936-0952	25/Fine	Small Wave	13.6	Surface	1.0	26.7	26.6	26.7	6.1	6.1	6.1	88.2	88.3	4.2	4.2	4.1	5.0	4.9	4.9
							26.6	26.7		6.1			88.4		4.2			4.8		
					Middle	6.8	26.6	26.8	26.8	6.1	6.2		88.7	89.1	4.1	4.1		5.2	5.1	
							26.5	26.8		6.2			89.5		4.1			5.0		
					Bottom	12.6	26.5	26.8	26.9	6.1	6.1	6.1	88.3	88.5	4.0	4.0		4.8	4.8	
							26.4	26.9		6.1			88.6		3.9			4.8		
22-Oct-12	1313-1330	28/Fine	Small Wave	12.8	Surface	1.0	26.9	26.5	26.5	5.9	5.9	5.8	86.4	86.7	3.6	3.7	3.8	4.6	4.7	4.8
							26.8	26.4		5.9			86.9		3.7			4.8		
					Middle	6.4	26.7	26.7	26.7	5.8	5.8		85.3	85.0	3.8	3.8		4.6	4.7	
							26.7	26.6		5.8			84.7		3.8			4.8		
					Bottom	11.8	26.6	26.8	26.9	5.7	5.7	5.7	83.6	83.3	3.9	3.9		4.8	4.9	
							26.5	26.9		5.6			82.9		3.9			5.0		
24-Oct-12	1510-1527	28/Fine	Small Wave	12.8	Surface	1.0	26.8	26.4	26.4	5.9	5.9	5.9	86.5	86.2	3.7	3.7	3.8	4.4	4.5	4.7
							26.8	26.3		5.9			85.9		3.7			4.6		
					Middle	6.4	26.7	26.5	26.6	5.8	5.8		84.9	84.7	3.8	3.8		4.8	4.8	
							26.6	26.6		5.8			84.5		3.8			4.8		
					Bottom	11.8	26.4	26.7	26.7	5.7	5.7	5.7	83.4	83.1	3.8	3.8		5.0	4.9	
							26.4	26.7		5.7			82.7		3.9			4.8		

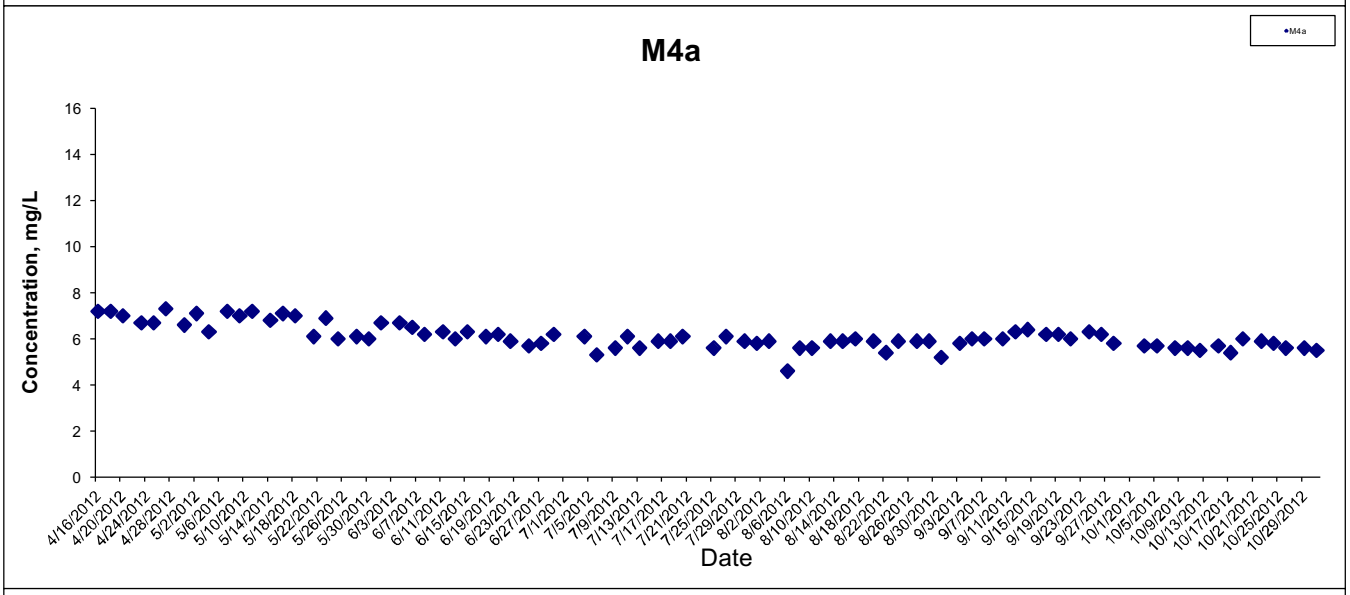
Mid-Flood Tide

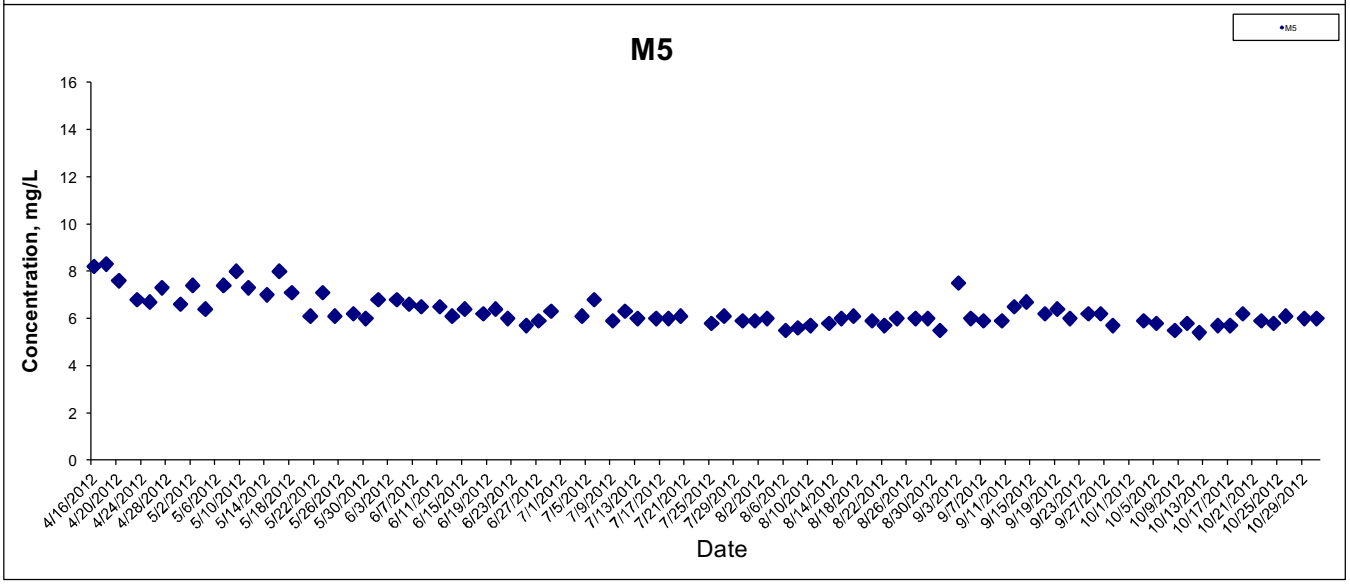
Monitoring Station : M5

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Sea Condition	Total Water Depth (m)	Monitoring Depth (m)		Water Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen		Turbidity (NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
26-Oct-12	1637-1653	26/Cloudy	Small Wave	14.4	Surface	1.0	26.6	26.6	26.7	6.1	6.2	6.2	89.0	89.3	4.1	4.1	4.1	4.8	4.8	5.1
							26.6	26.7		6.2			89.5		4.0			4.8		
					Middle	7.2	26.5	26.8	26.8	6.2	6.2		89.2	89.6	4.2	4.2		5.2	5.3	
							26.6	26.8		6.2			89.9		4.2			5.4		
					Bottom	7.2	26.5	26.9	26.9	6.1	6.1	6.1	88.5	88.4	4.1	4.2		5.2	5.2	
							26.5	26.8		6.1			88.2		4.2			5.2		
29-Oct-12	1735-1753	27/Cloudy	Small Wave	14.2	Surface	1.0	26.5	26.9	26.9	5.9	5.9	5.9	87.2	87.1	4.1	4.1	4.2	5.2	5.1	5.2
							26.5	26.9		5.9			86.9		4.1			5.0		
					Middle	7.1	26.4	27.0	27.0	5.9	5.9		86.3	86.1	4.2	4.2		5.2	5.2	
							26.4	27.0		5.9			85.9		4.2			5.2		
					Bottom	13.2	26.3	27.1	27.1	5.8	5.8	5.8	85.3	85.2	4.3	4.3		5.2	5.3	
							26.3	27.1		5.8			85.1		4.3			5.4		
31-Oct-12	1837-1852	24/Cloudy	Small Wave	14.6	Surface	1.0	26.2	26.4	26.5	6.1	6.1	6.1	88.3	88.6	4.1	4.1	4.0	5.2	5.1	4.9
							26.2	26.5		6.1			88.9		4.1			5.0		
					Middle	7.3	26.1	26.5	26.6	6.0	6.1		87.6	87.9	4.0	4.0		4.8	4.7	
							26.2	26.6		6.1			88.2		4.0			4.6		
					Bottom	13.6	26.0	26.8	26.8	6.2	6.2	6.2	89.8	90.0	3.9	3.9		4.8	4.9	
							25.9	26.7		6.2			90.2		3.9			5.0		

Dissolved Oxygen (Surface & Middle) at Mid-Ebb Tide







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HONG KONG BOUNDARY CORSSING FACILITIES
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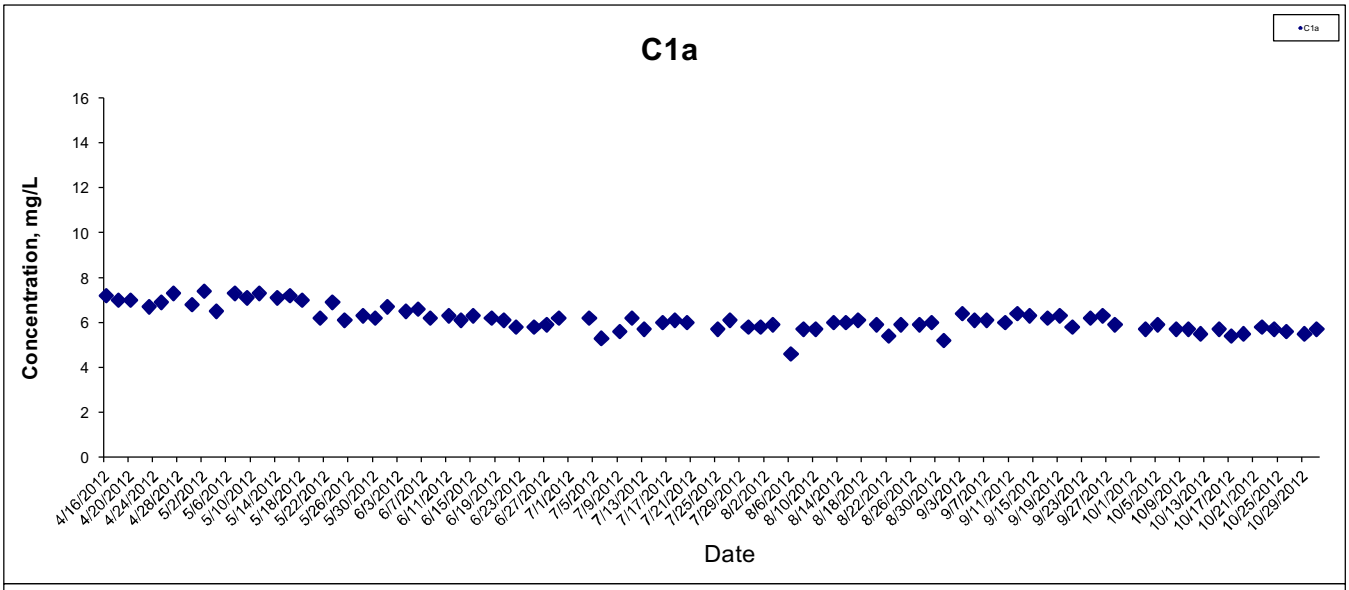
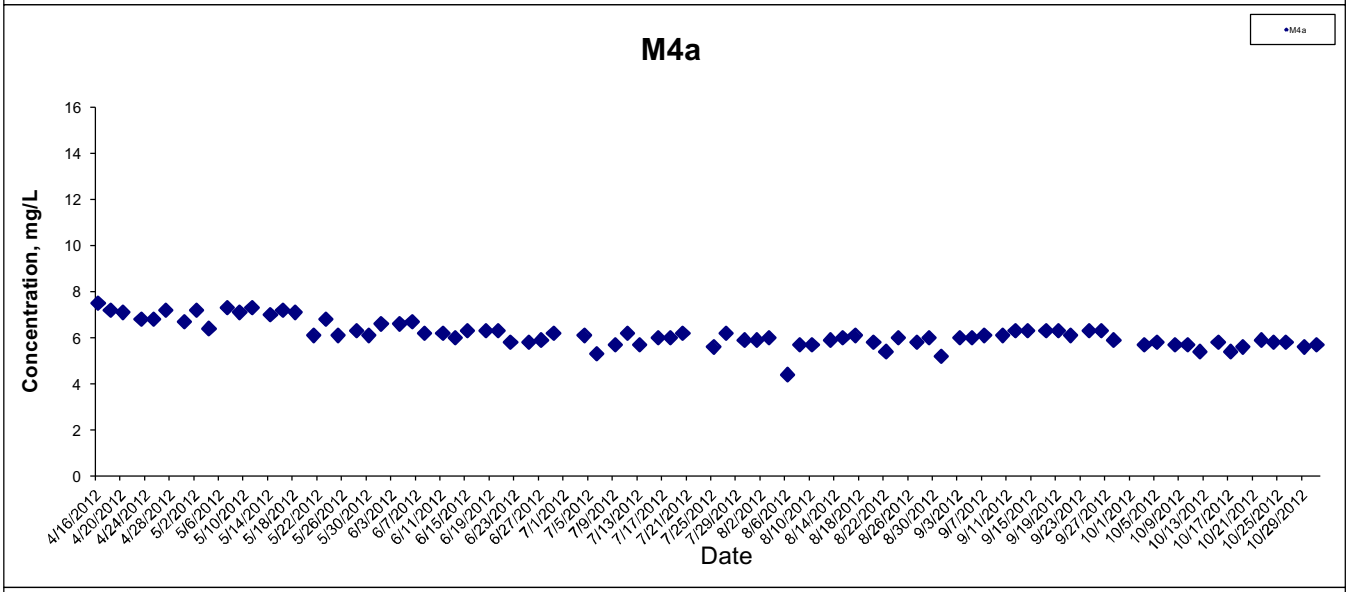
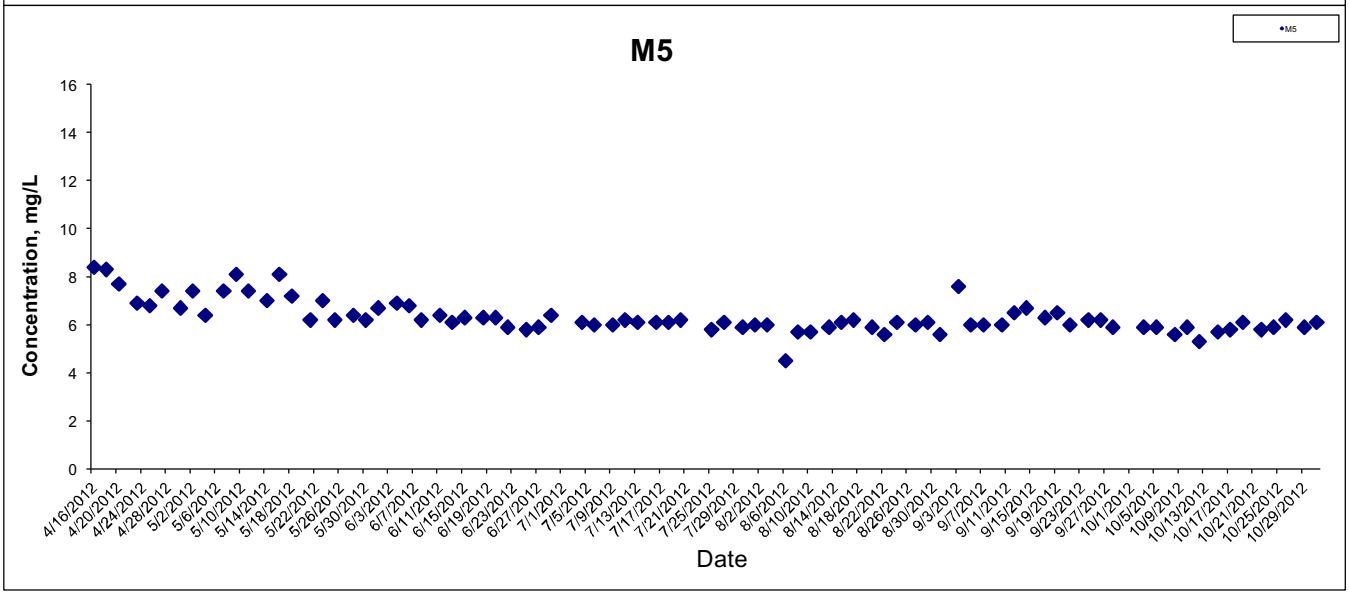
Dissolved Oxygen (Surface & Middle) at Mid-Flood Tide







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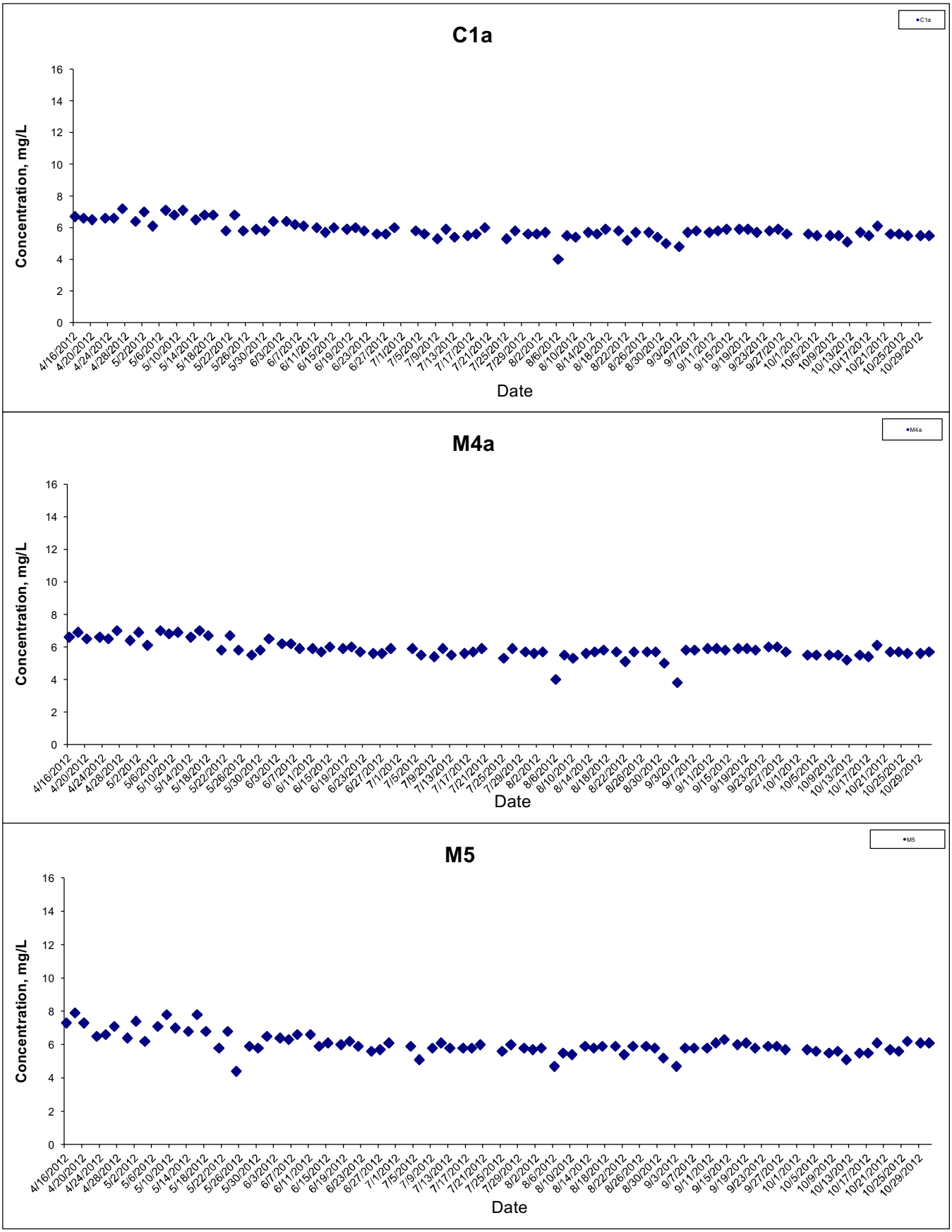
Dissolved Oxygen (Bottom) at Mid-Ebb Tide



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Graphical Presentation of Baseline Water Quality Monitoring Results

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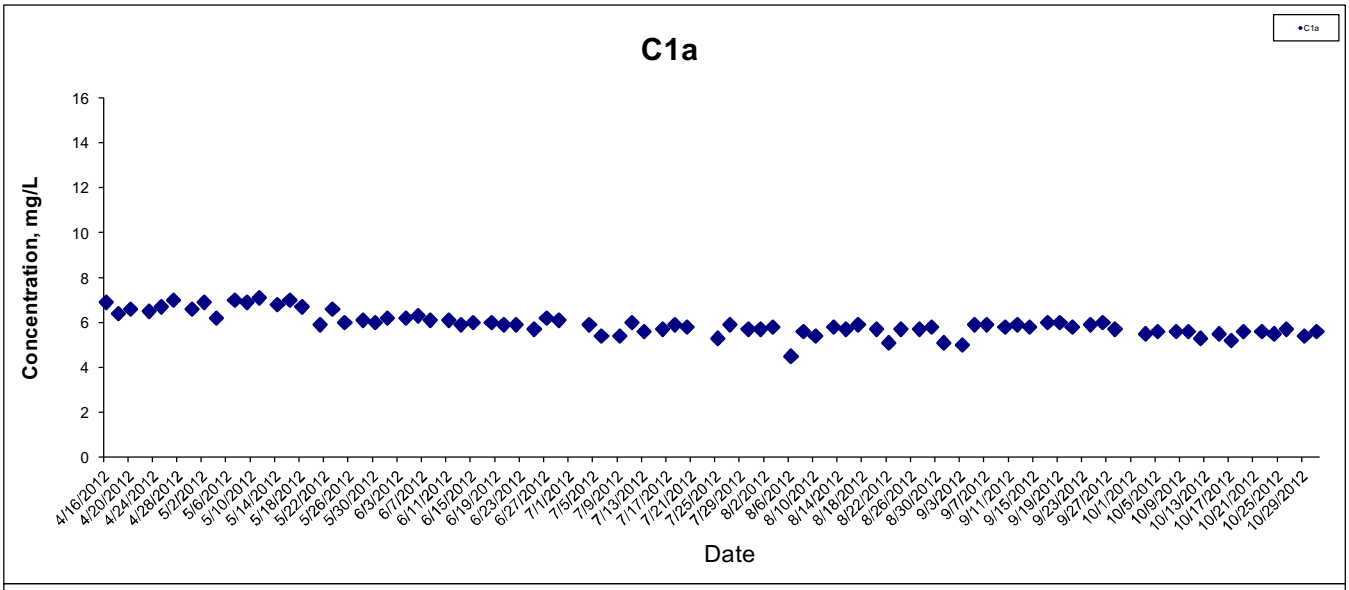
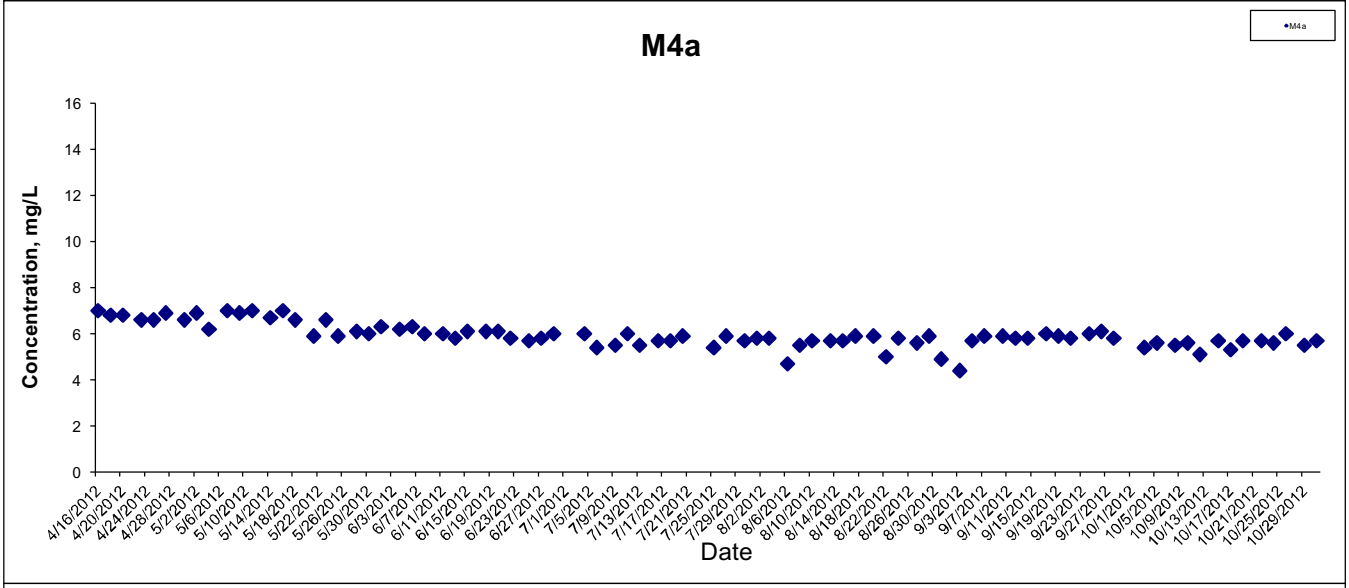
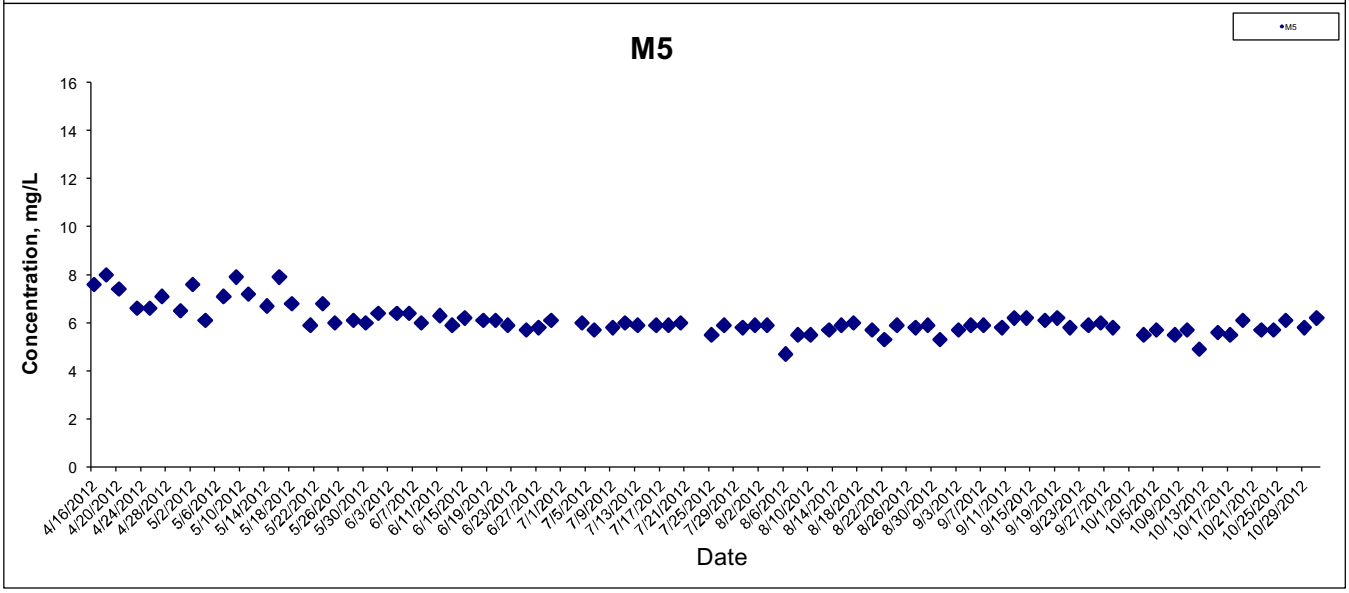
Dissolved Oxygen (Bottom) at Mid-Flood Tide







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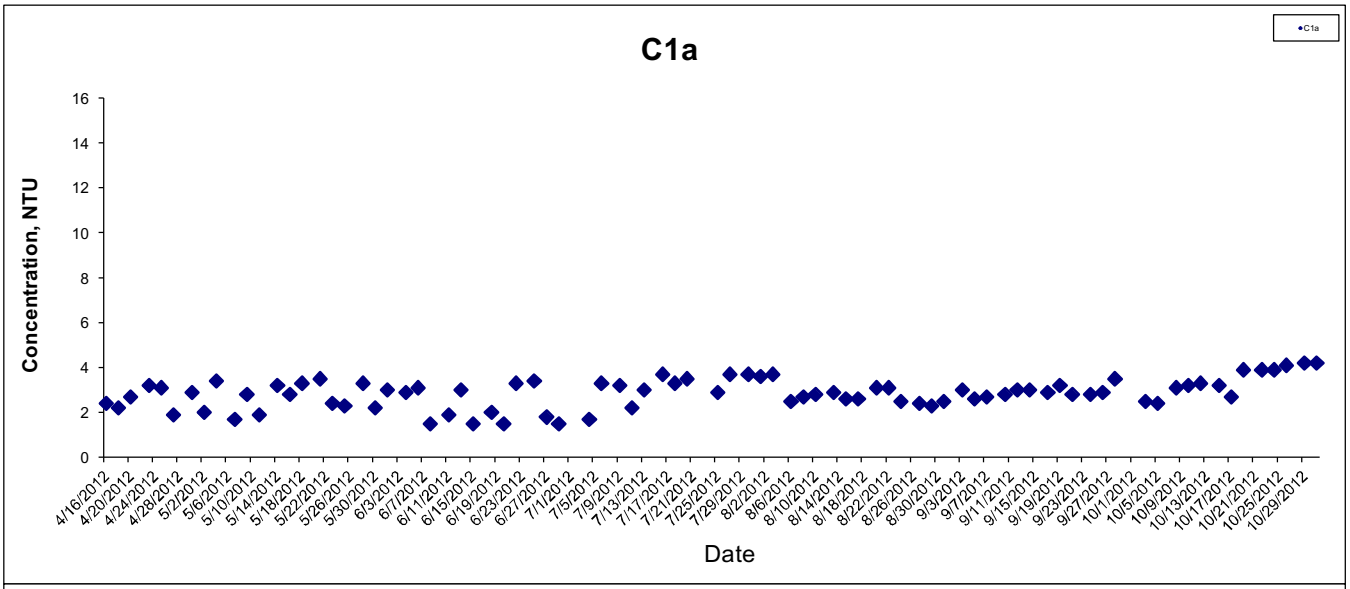
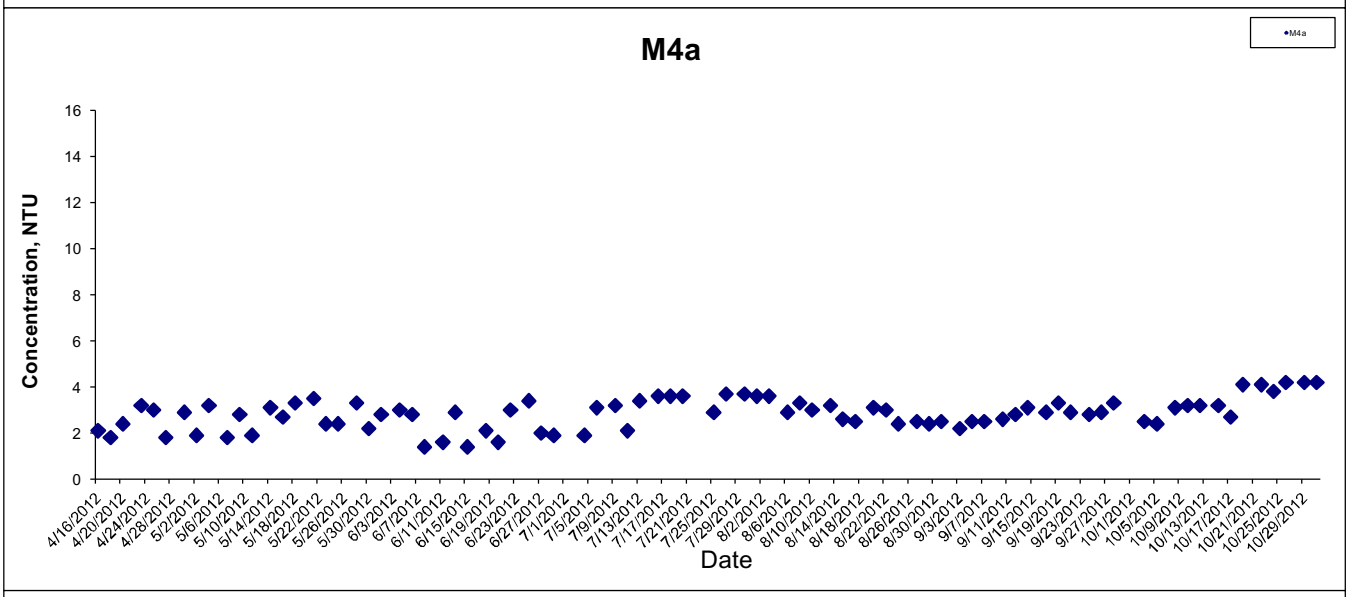
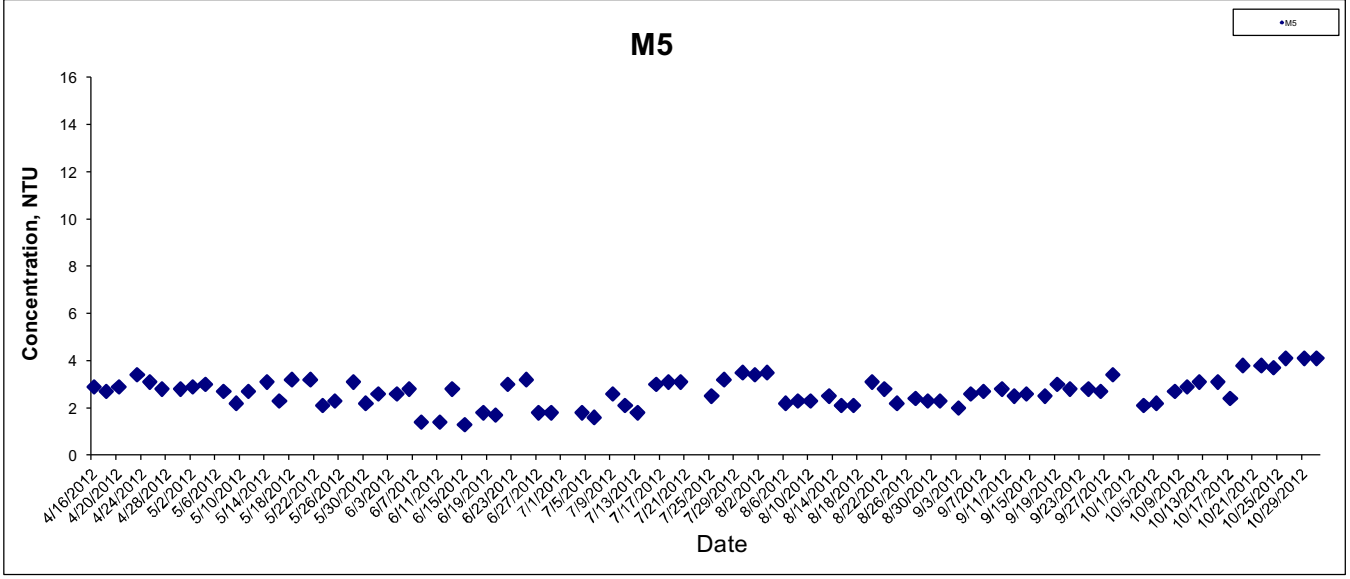
Turbidity at Mid-Ebb Tide







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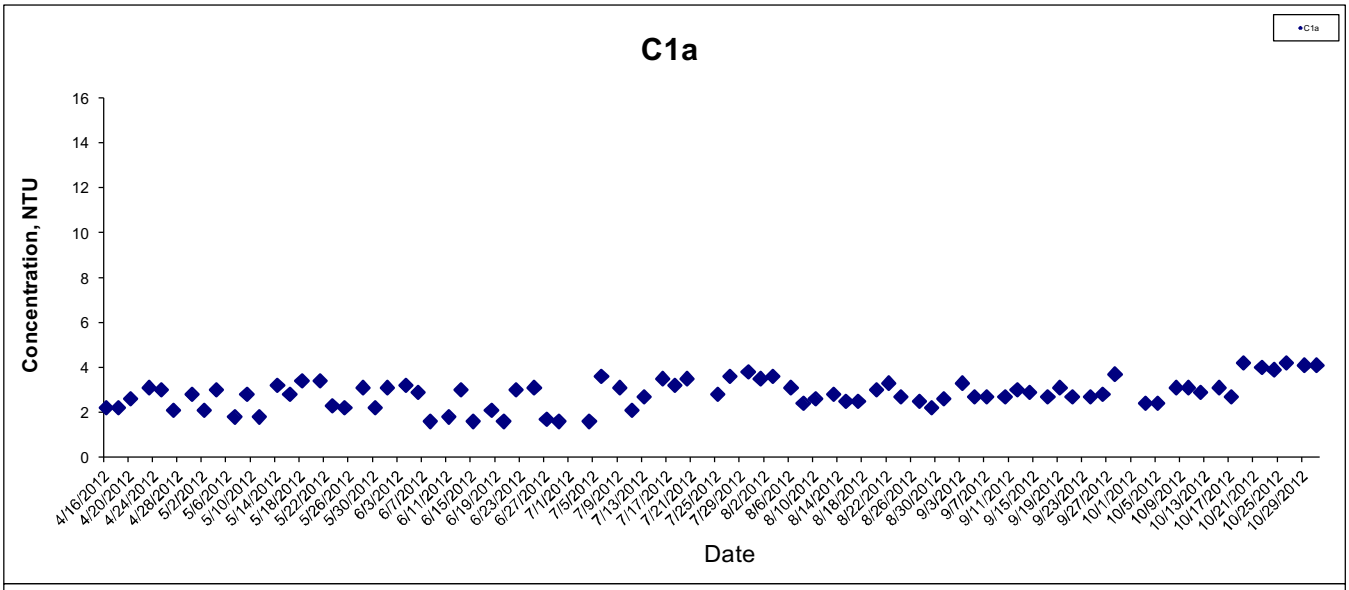
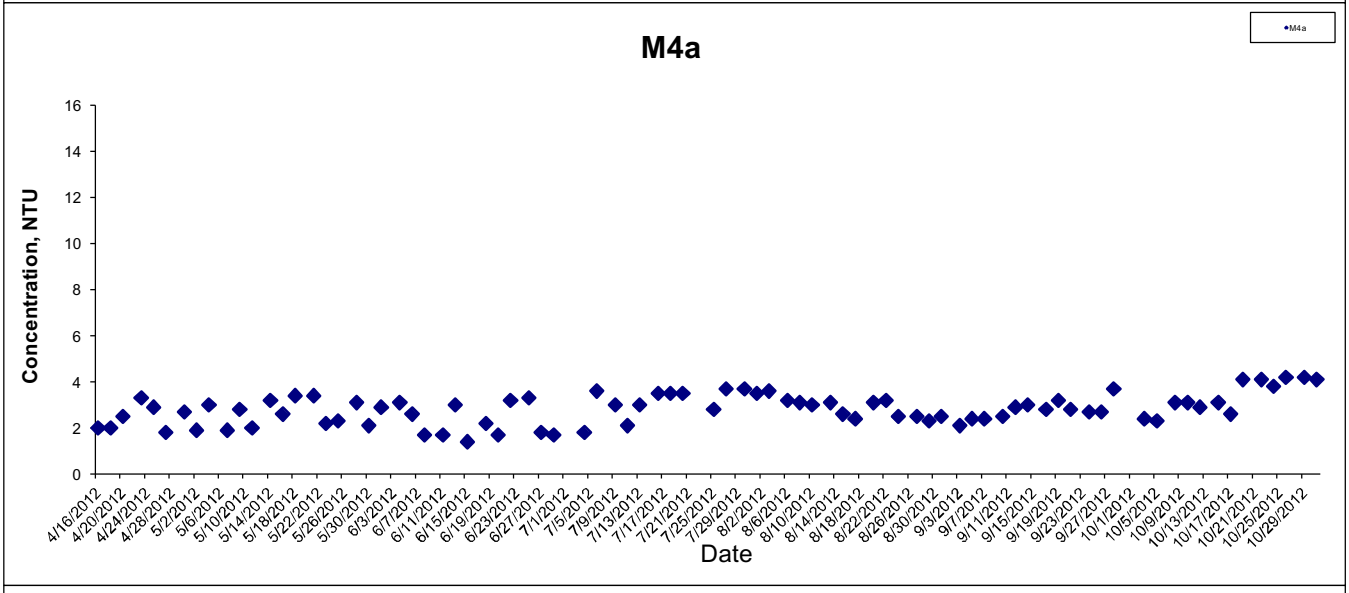
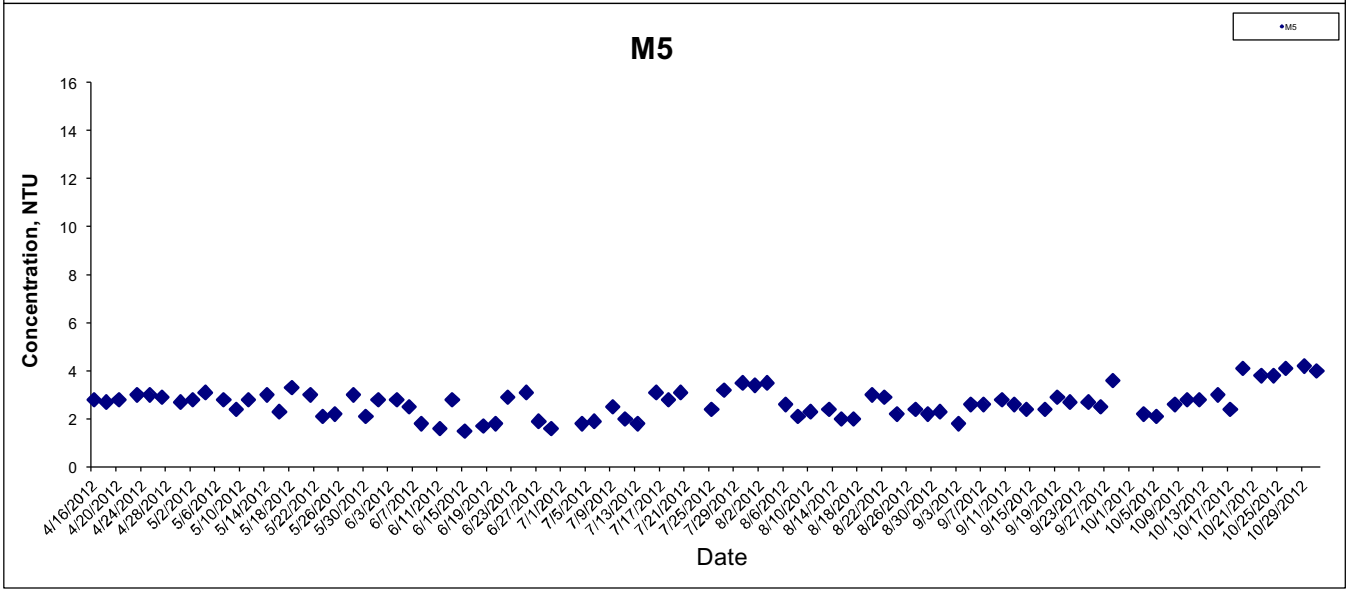
Turbidity at Mid-Flood Tide







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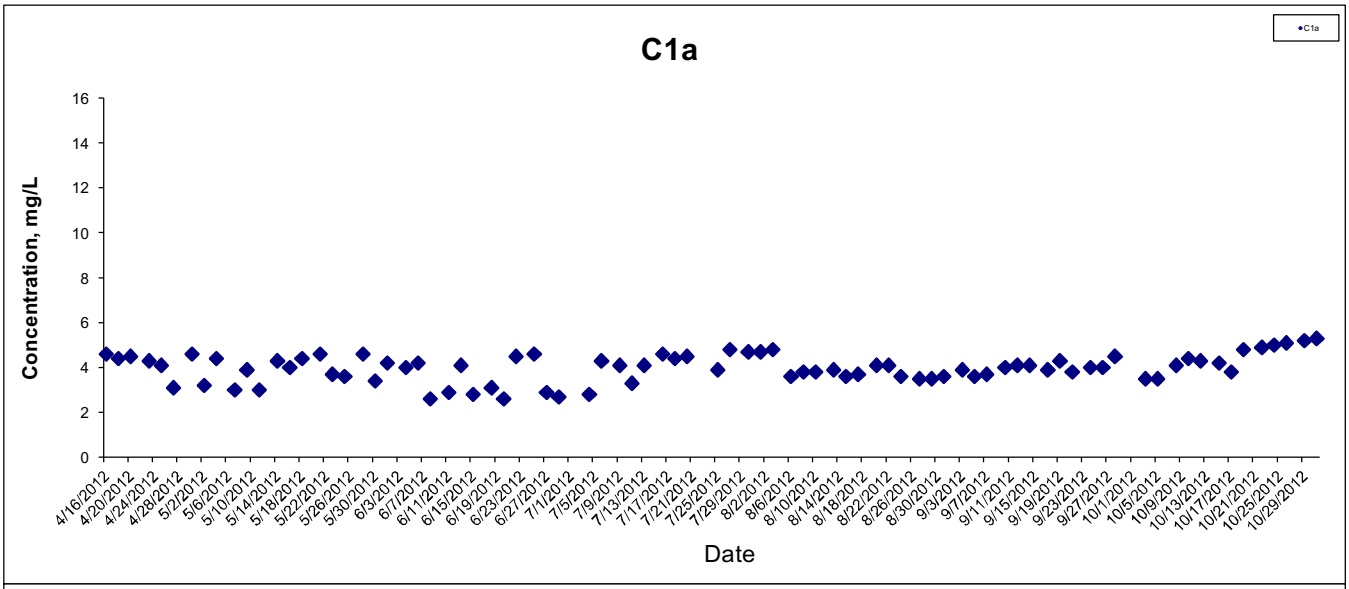
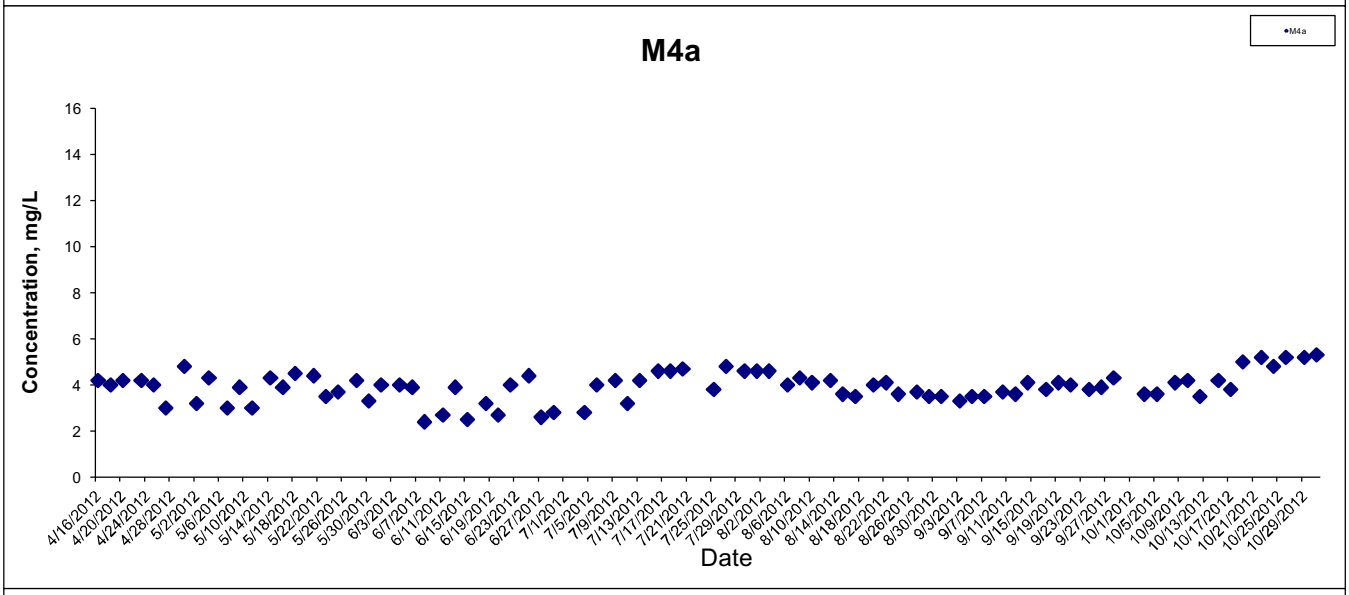
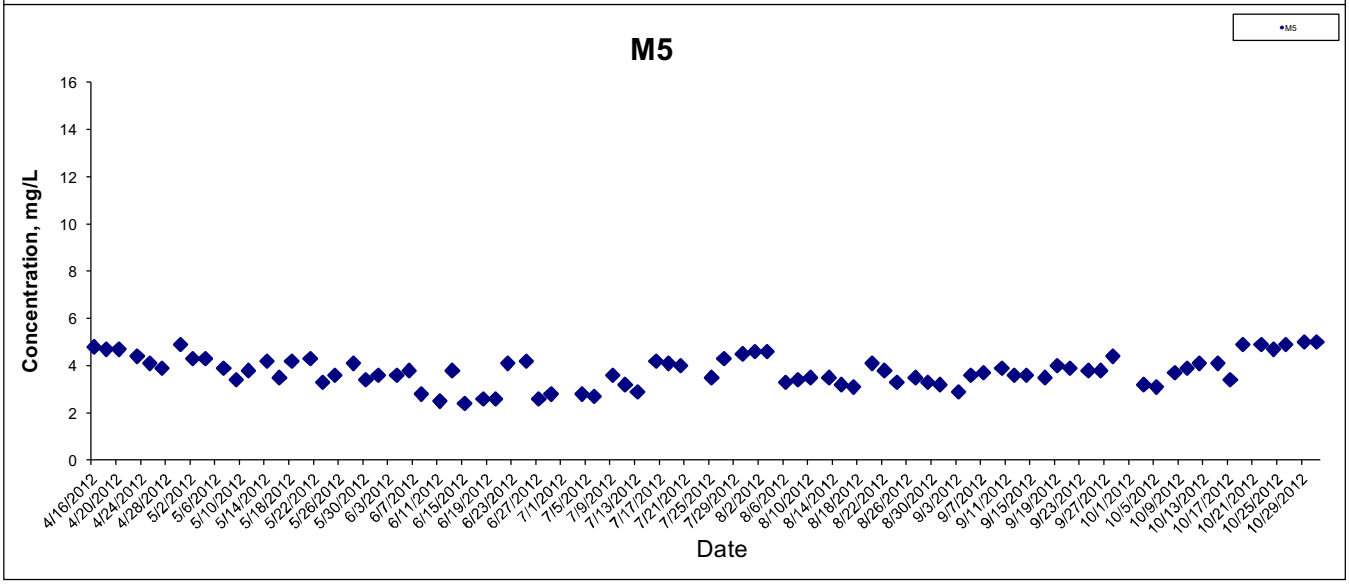
Suspended Solids at Mid-Ebb Tide







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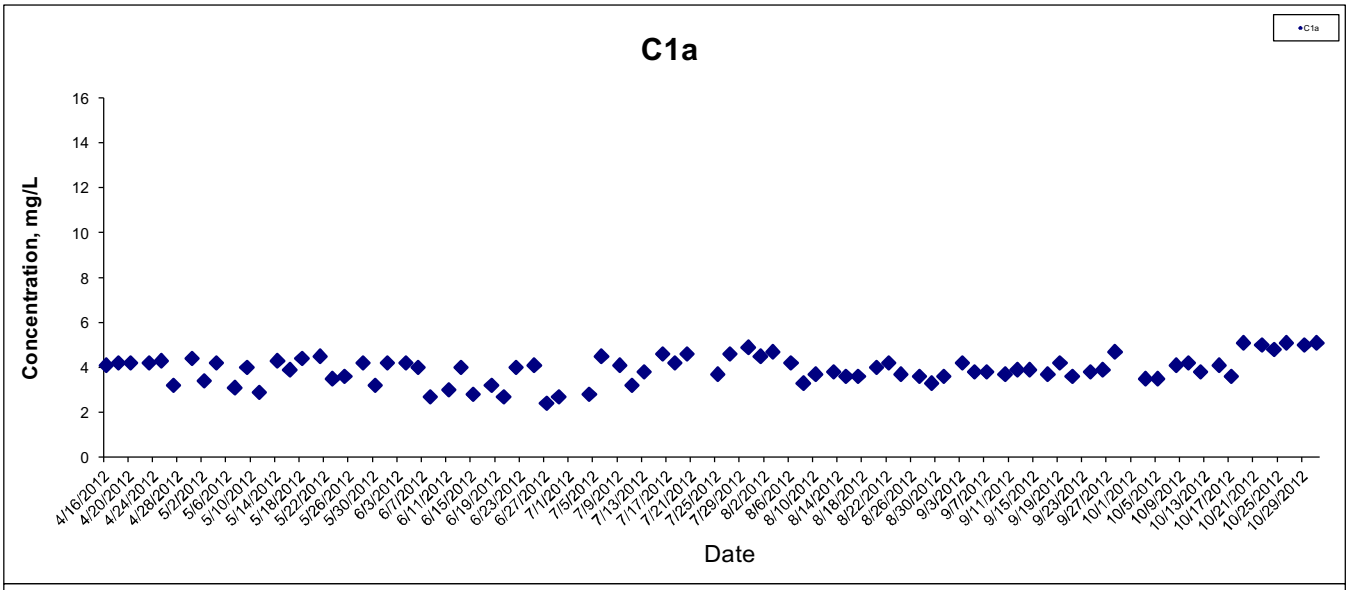
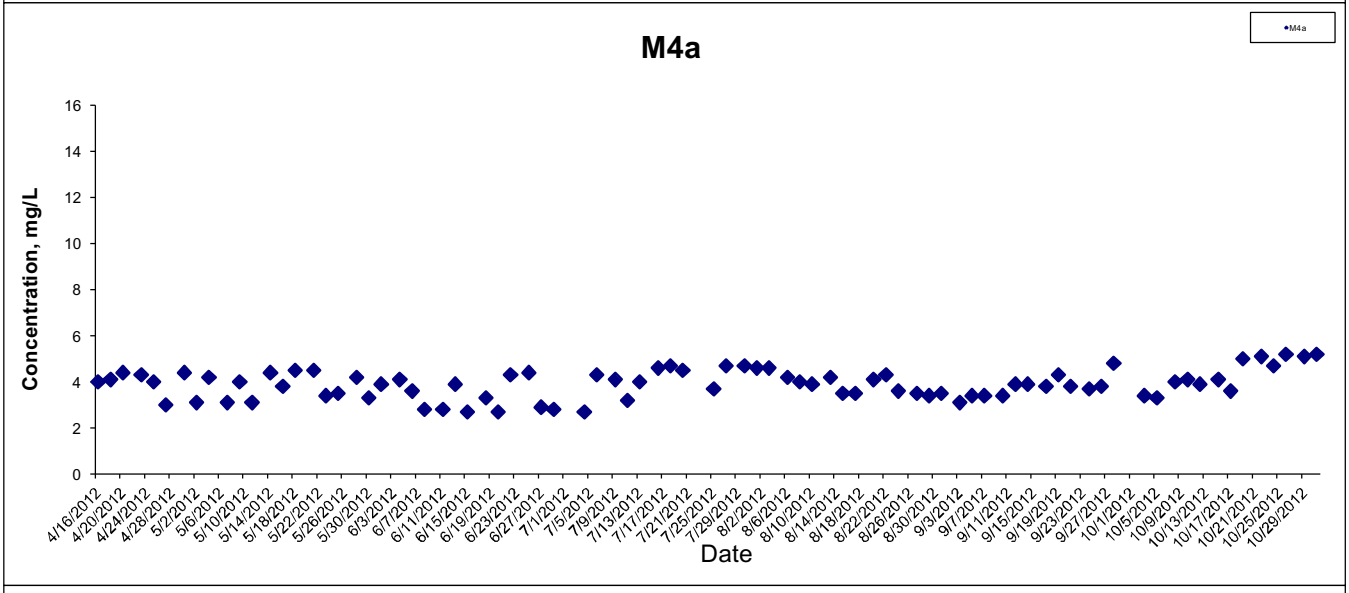
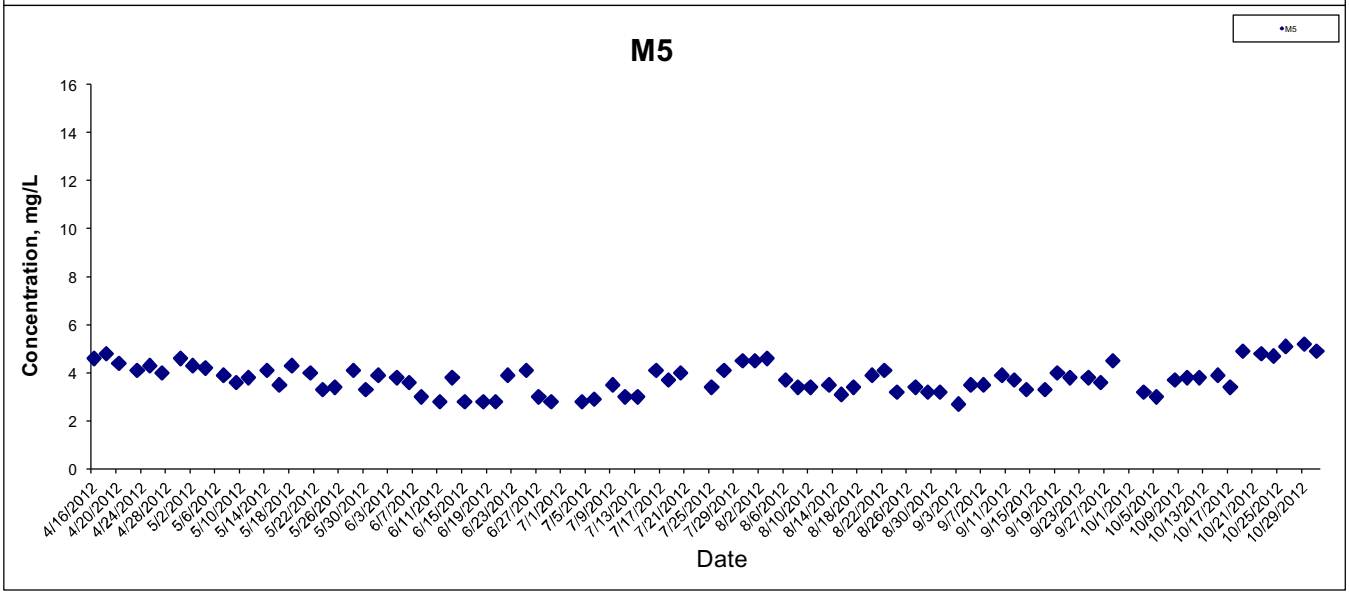
Suspended Solids at Mid-Flood Tide







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APPENDIX D
QA/QC REPORT

QA/QC Results of Laboratory Analysis of Total Suspended Solids

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
16-Apr-12	98.4	FC1a-S1	0.0	EC1a-S2	106.0
	95.6	EC1a-M1	8.0	EWM5-B2	106.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
18-Apr-12	93.9	FC1a-S1	0.0	EC1a-S2	97.9
	105.6	EC1a-M1	8.7	EWM5-B2	100.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
20-Apr-12	102.1	FC1a-S1	0.0	EC1a-S2	93.9
	107.9	EC1a-M1	0.0	EWM5-B2	106.4

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
23-Apr-12	105.9	FC1a-S1	9.5	EC1a-S2	92.2
	102.5	EC1a-M1	0.0	EWM5-B2	95.9

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample				
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
25-Apr-12	98.2	FC1a-S1	0.0	EC1a-S2	94.1
	105.1	EC1a-M1	9.5	EWM5-B2	102.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
27-Apr-12	105.5	FC1a-S1	0.0	EC1a-S2	104.1
	101.2	EC1a-M1	11.8**	EWM5-B2	95.9

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
30-Apr-12	96.4	FC1a-S1	0.0	EC1a-S2	94.2
	95.3	EC1a-M1	8.0	EWM5-B2	104.2

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
2-May-12	99.0	FC1a-S1	0.0	EC1a-S2	94.0
	97.0	EC1a-M1	0.0	EWM5-B2	103.8

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

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Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
4-May-12	102.2	FC1a-S1	0.0	EC1a-S2	98.0
	104.2	EC1a-M1	8.0	EWM5-B2	97.9

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
7-May-12	92.6	FC1a-S1	0.0	EC1a-S2	107.5
	98.7	EC1a-M1	11.8**	EWM5-B2	100.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
9-May-12	103.8	FC1a-S1	0.0	EC1a-S2	106.1
	105.2	EC1a-M1	0.0	EWM5-B2	102.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
11-May-12	104.2	FC1a-S1	13.3**	EC1a-S2	106.3
	93.3	EC1a-M1	0.0	EWM5-B2	104.1

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
14-May-12	101.0	FC1a-S1	0.0	EC1a-S2	98.1
	93.5	EC1a-M1	0.0	EWM5-B2	100.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
16-May-12	100.6	FC1a-S1	0.0	EC1a-S2	94.0
	99.2	EC1a-M1	9.5	EWM5-B2	92.5

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
18-May-12	93.3	FC1a-S1	0.0	EC1a-S2	100.0
	94.6	EC1a-M1	8.7	EWM5-B2	102.1

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
21-May-12	96.5	FC1a-S1	0.0	EC1a-S2	94.0
	96.5	EC1a-M1	8.0	EWM5-B2	107.8

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

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Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
23-May-12	104.8	FC1a-S1	11.8**	EC1a-S2	104.1
	93.1	EC1a-M1	0.0	EWM5-B2	106.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
25-May-12	96.5	FC1a-S1	0.0	EC1a-S2	103.9
	103.0	EC1a-M1	9.5	EWM5-B2	96.1

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
28-May-12	98.1	FC1a-S1	0.0	EC1a-S2	105.8
	95.8	EC1a-M1	0.0	EWM5-B2	92.2

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
30-May-12	101.9	FC1a-S1	11.8**	EC1a-S2	98.0
	101.2	EC1a-M1	0.0	EWM5-B2	106.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
1-Jun-12	92.6	FC1a-S1	9.5	EC1a-S2	97.9
	98.8	EC1a-M1	0.0	EWM5-B2	106.4

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
4-Jun-12	103.3	FC1a-S1	10.5**	EC1a-S2	102.1
	106.2	EC1a-M1	0.0	EWM5-B2	104.3

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
6-Jun-12	98.7	FC1a-S1	10.5**	EC1a-S2	94.2
	96.6	EC1a-M1	0.0	EWM5-B2	93.8

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
8-Jun-12	105.7	FC1a-S1	0.0	EC1a-S2	106.1
	101.2	EC1a-M1	13.3**	EWM5-B2	102.1

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

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Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
11-Jun-12	106.2	FC1a-S1	0.0	EC1a-S2	91.7
	104.8	EC1a-M1	0.0	EWM5-B2	97.9

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
13-Jun-12	97.6	FC1a-S1	0.0	EC1a-S2	104.1
	95.3	EC1a-M1	9.5	EWM5-B2	98.1

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
15-Jun-12	108.0	FC1a-S1	0.0	EC1a-S2	105.8
	104.7	EC1a-M1	0.0	EWM5-B2	104.2

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
18-Jun-12	101.8	FC1a-S1	0.0	EC1a-S2	104.2
	97.4	EC1a-M1	13.3**	EWM5-B2	106.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
20-Jun-12	100.8	FC1a-S1	15.4**	EC1a-S2	102.0
	104.0	EC1a-M1	0.0	EWM5-B2	100.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
22-Jun-12	101.6	FC1a-S1	0.0	EC1a-S2	92.2
	94.7	EC1a-M1	8.0	EWM5-B2	98.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
25-Jun-12	107.4	FC1a-S1	0.0	EC1a-S2	92.3
	102.5	EC1a-M1	8.0	EWM5-B2	98.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate			
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
27-Jun-12	101.8	FC1a-S1	0.0	EC1a-S2	92.3
	92.6	EC1a-M1	0.0	EWM5-B2	101.9

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

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Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
29-Jun-12	99.4	FC1a-S1	0.0	EC1a-S2	91.7
	102.5	EC1a-M1	15.4**	EWM5-B2	100.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

	QC Sample			Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
4-Jul-12	107.5	FC1a-S1	0.0	EC1a-S2	102.0
	104.8	EC1a-M1	13.3**	EWM5-B2	94.2

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample				
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
6-Jul-12	93.1	FC1a-S1	10.5**	EC1a-S2	98.1
	101.7	EC1a-M1	0.0	EWM5-B2	96.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

	QC Sample				
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
9-Jul-12	102.3	FC1a-S1	10.5**	EC1a-S2	105.9
	93.3	EC1a-M1	0.0	EWM5-B2	100.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
11-Jul-12	103.7	FC1a-S1	0.0	EC1a-S2	106.2
	102.7	EC1a-M1	11.8**	EWM5-B2	98.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
13-Jul-12	100.4	FC1a-S1	10.5**	EC1a-S2	98.0
	106.9	EC1a-M1	0.0	EWM5-B2	94.1

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
16-Jul-12	106.5	FC1a-S1	8.7	EC1a-S2	100.0
	103.5	EC1a-M1	0.0	EWM5-B2	104.1

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
18-Jul-12	107.7	FC1a-S1	0.0	EC1a-S2	93.8
	105.5	EC1a-M1	8.7	EWM5-B2	100.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

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Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
20-Jul-12	102.9	FC1a-S1	8.7	EC1a-S2	105.8
	96.9	EC1a-M1	0.0	EWM5-B2	94.2

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
25-Jul-12	105.5	FC1a-S1	11.8**	EC1a-S2	95.9
	101.6	EC1a-M1	0.0	EWM5-B2	94.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
27-Jul-12	99.6	FC1a-S1	8.7	EC1a-S2	104.0
	103.2	EC1a-M1	0.0	EWM5-B2	100.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
30-Jul-12	105.4	FC1a-S1	0.0	EC1a-S2	100.0
	101.9	EC1a-M1	8.0	EWM5-B2	93.6

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
1-Aug-12	94.0	FC1a-S1	0.0	EC1a-S2	98.1
	94.6	EC1a-M1	8.7	EWM5-B2	103.8

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
3-Aug-12	92.5	FC1a-S1	0.0	EC1a-S2	91.8
	107.8	EC1a-M1	8.0	EWM5-B2	106.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
6-Aug-12	103.9	FC1a-S1	0.0	EC1a-S2	103.9
	96.2	EC1a-M1	11.8**	EWM5-B2	103.9

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
8-Aug-12	98.4	FC1a-S1	11.8**	EC1a-S2	100.0
	103.8	EC1a-M1	0.0	EWM5-B2	94.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

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Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
10-Aug-12	98.1	FC1a-S1	0.0	EC1a-S2	95.8
	106.1	EC1a-M1	0.0	EWM5-B2	94.2

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
13-Aug-12	95.4	FC1a-S1	0.0	EC1a-S2	103.9
	95.5	EC1a-M1	9.5	EWM5-B2	105.7

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
15-Aug-12	97.4	FC1a-S1	0.0	EC1a-S2	96.2
	107.9	EC1a-M1	0.0	EWM5-B2	108.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
17-Aug-12	104.5	FC1a-S1	0.0	EC1a-S2	92.2
	105.6	EC1a-M1	10.5**	EWM5-B2	103.9

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
20-Aug-12	96.5	FC1a-S1	0.0	EC1a-S2	92.3
	94.7	EC1a-M1	8.7	EWM5-B2	104.1

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
22-Aug-12	106.8	FC1a-S1	0.0	EC1a-S2	102.1
	99.4	EC1a-M1	9.5	EWM5-B2	108.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
24-Aug-12	96.2	FC1a-S1	0.0	EC1a-S2	94.1
	94.7	EC1a-M1	0.0	EWM5-B2	100.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
27-Aug-12	95.2	FC1a-S1	0.0	EC1a-S2	96.2
	102.7	EC1a-M1	0.0	EWM5-B2	102.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

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Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
29-Aug-12	98.6	FC1a-S1	0.0	EC1a-S2	98.0
	102.9	EC1a-M1	10.5**	EWM5-B2	106.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
31-Aug-12	98.4	FC1a-S1	0.0	EC1a-S2	102.1
	98.8	EC1a-M1	11.8**	EWM5-B2	96.1

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
3-Sep-12	107.5	FC1a-S1	0.0	EC1a-S2	102.0
	93.2	EC1a-M1	8.0	EWM5-B2	98.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
5-Sep-12	105.5	FC1a-S1	0.0	EC1a-S2	100.0
	98.3	EC1a-M1	0.0	EWM5-B2	96.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
7-Sep-12	107.7	FC1a-S1	0.0	EC1a-S2	98.1
	104.0	EC1a-M1	0.0	EWM5-B2	95.9

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
10-Sep-12	93.5	FC1a-S1	0.0	EC1a-S2	94.2
	100.4	EC1a-M1	8.7	EWM5-B2	94.1

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
12-Sep-12	104.2	FC1a-S1	0.0	EC1a-S2	102.1
	93.5	EC1a-M1	9.5	EWM5-B2	92.3

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
14-Sep-12	100.2	FC1a-S1	10.5**	EC1a-S2	100.0
	96.5	EC1a-M1	0.0	EWM5-B2	101.9

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

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Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
17-Sep-12	96.6	FC1a-S1	0.0	EC1a-S2	97.9
	94.8	EC1a-M1	0.0	EWM5-B2	102.1

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
19-Sep-12	101.8	FC1a-S1	0.0	EC1a-S2	98.0
	92.1	EC1a-M1	8.7	EWM5-B2	102.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
21-Sep-12	97.6	FC1a-S1	0.0	EC1a-S2	105.7
	105.8	EC1a-M1	9.5	EWM5-B2	106.2

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
24-Sep-12	93.0	FC1a-S1	10.5**	EC1a-S2	94.2
	92.6	EC1a-M1	0.0	EWM5-B2	96.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
26-Sep-12	97.4	FC1a-S1	0.0	EC1a-S2	100.0
	94.6	EC1a-M1	9.5	EWM5-B2	105.9

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
28-Sep-12	99.8	FC1a-S1	8.7	EC1a-S2	106.0
	104.2	EC1a-M1	0.0	EWM5-B2	98.1

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
3-Oct-12	94.0	FC1a-S1	11.8**	EC1a-S2	94.0
	96.6	EC1a-M1	0.0	EWM5-B2	94.3

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
5-Oct-12	102.7	FC1a-S1	11.8**	EC1a-S2	106.0
	96.8	EC1a-M1	0.0	EWM5-B2	105.9

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

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Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
8-Oct-12	101.0	FC1a-S1	0.0	EC1a-S2	106.0
	96.2	EC1a-M1	0.0	EWM5-B2	100.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
10-Oct-12	95.8	FC1a-S1	9.5	EC1a-S2	93.8
	100.6	EC1a-M1	0.0	EWM5-B2	101.9

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
12-Oct-12	98.0	FC1a-S1	0.0	EC1a-S2	104.0
	95.3	EC1a-M1	8.7	EWM5-B2	93.7

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
15-Oct-12	105.6	FC1a-S1	0.0	EC1a-S2	104.2
	106.3	EC1a-M1	8.7	EWM5-B2	106.2

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
17-Oct-12	94.4	FC1a-S1	11.8**	EC1a-S2	102.0
	102.3	EC1a-M1	0.0	EWM5-B2	102.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
19-Oct-12	100.8	FC1a-S1	0.0	EC1a-S2	106.3
	99.2	EC1a-M1	0.0	EWM5-B2	98.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
22-Oct-12	102.9	FC1a-S1	0.0	EC1a-S2	95.9
	93.1	EC1a-M1	7.4	EWM5-B2	94.1

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
24-Oct-12	97.8	FC1a-S1	8.0	EC1a-S2	91.5
	98.4	EC1a-M1	0.0	EWM5-B2	106.0

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

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Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
26-Oct-12	104.4	FC1a-S1	0.0	EC1a-S2	96.2
	93.1	EC1a-M1	0.0	EWM5-B2	108.5

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
29-Oct-12	92.8	FC1a-S1	8.0	EC1a-S2	96.2
	93.2	EC1a-M1	0.0	EWM5-B2	96.2

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.

Sampling Date	QC Sample	Sample Duplicate		Sample Spike	
	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery @
31-Oct-12	93.2	FC1a-S1	0.0	EC1a-S2	98.1
	107.8	EC1a-M1	7.4	EWM5-B2	106.3

Note: (*) % Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between 0% to 10%.
(@) % Recovery of Sample Spike should be between 80% to 120%.
(**) % Error of Sample Duplicate >10% but invalid due to sample results less than PQL.