

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

8/F., Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fotan, Hong Kong

Tel : 2695 8318

E-mail : etl@ets-testconsult.com

Fax : 2695 3944

Web site : www.ets-testconsult.com

TEST REPORT

WO HING – PENTA-OCEAN JOINT VENTURE

**CONTRACT NO. 9/WSD/08
LAYING OF WESTERN CROSS
HARBOUR MAIN AND ASSOCIATED
LAND MAINS FROM WEST
KOWLOON TO SAI YING PUN**

FINAL EM&A REVIEW REPORT

Prepared by:

LAW, Sau Yee
Senior Environmental Officer

Checked by:

LAU, Chi Leung
Environmental Team Leader

Issue Date: 27 February 2013

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ENVIRON

Ref.: WSDWHCMSEI00_0_0328L.12

6th Mar, 2013

Water Supplies Department
Sha Tin Office
6/F Sha Tin Government Offices
1 Sheung Wo Che Road
Sha Tin, NT

By Post

Attention: Mr. Johnny Ho

Dear Sir,

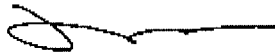
**Re: Contact No. 9/WSD/08
Laying of Western Cross Harbour Main and Associated Land Mains from West
Kowloon to Sai Ying Pun
Final EM&A Review Report**

Reference is made to Environment Team's submission of the Final EM&A Review Report by Email on 27 February 2013 (entitled "9/WSD/08 - Draft Final EM&A Review Report") and subsequent submission of the revised report on 5 March 2013.

We are pleased to inform you that we have no comment on the revised captioned report.

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

Yours sincerely,



David Yeung
Independent Environmental Checker

c.c.	Mott MacDonald Hong Kong Limited	Mr. Kelvin Ho	Fax: 2377 2900
	Wo Hing – Penta-Ocean Joint Venture	Mr. Danny Ho	Fax: 2572 4080
	ETS-TESTCONSULT LIMITED	Mr. C.L. Lau	Fax: 2695 3944

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EXECUTIVE SUMMARY

This is the Final Environmental Monitoring and Audit (EM&A) Review Report prepared by ETS-Testconsult Ltd (ET) for the "Contract No. 9/WSD/08 Laying of Western Cross Harbour Main and Associated Land Main from West Kowloon to Sai Ying Pun" (the Project) under the requirements of "Environmental Monitoring & Audit Manual – Agreement No. CE42/2005(W) Laying of Western Cross Harbour Main and Associated Land Main from West Kowloon to Sai Ying Pun" (the EM&A Manual).

This report documents the findings of EM&A Works conducted during the Project from May 2010 to December 2012. This report also presents the post project monitoring of marine water quality upon completion of all marine construction activities.

Site Activities

As informed by the Contractor, the site activities during construction period were as below:

- Laying of about 1.5km of 1200mm diameter steel fresh water mains at West Kowloon;
- Laying of about 2.1km of 1200mm diameter steel submarine pipeline from West Kowloon to Sai Ying Pun including dredging, cathodic protection system and other associated works;
- Laying of about 0.4km of 1200mm diameter steel fresh water main at Sai Ying Pun;
- Laying of about 0.5km of 800mm diameter steel salt water main at West Kowloon;
- Construction of motorized butterfly valve (MBV) and the associated facilities in the vicinity of Sun Yat Sen Memorial Park at Sai Ying Pun;
- Construction of all chambers associated with pipeworks;
- Making service connections;
- Ancillary works including but not limited to reinstatement of roads, landscaping works.

Environmental Monitoring Works

Noise Monitoring

During the impact noise monitoring, no action level exceedance of noise monitoring was recorded since no complaint on noise issue was received.

However, 227 exceedances of Limit Level of noise monitoring were recorded. All of the exceedances were considered to be invalid (not project related) and hence no further actions were required.

Marine Water Quality Monitoring

According to the summary of marine water monitoring results, 96 exceedances of Limit levels of Dissolved Oxygen were recorded during the impact marine water quality monitoring. Since the exceedances might be due to natural fluctuation of dissolved oxygen content in the water body around the area and considered to be invalid (not project related), no further action was required.

Environmental Complaints, Notification of summons and successful prosecutions

During the construction period, one complaint was received on 23 June 2011 forwarded by the Engineer's Representatives on 08 July 2011 through internet from a citizen against urinating into the sea from the Launching Barge which caused by site workers. The complainant complained that that caused an environmental nuisance. The Contractor had provided portable chemical toilet and warning notice on the Launching Barge and the situation was noted improved. Complaint Investigation report of this event has been prepared and submit to RE, IEC and Contractor by ET.

No notification of summon and prosecution with respect to environmental issues was received during the construction period.

Conclusion

The monitored environmental data indicated that no unacceptable environmental impacts arising from the Project had been caused to the surrounding sensitive receivers. The environmental measures had been effective in controlling potential impacts to within acceptable sensitive receivers.



1.0 INTRODUCTION

Wo Hing – Penta-Ocean Joint Venture (WHPOJV) appointed Environmental Team of ETS-Testconsult Limited (ETL) to undertake the Environmental Impact Monitoring for “Contract No. 9/WSD/08 Laying of Western Cross Harbour Main and Associated Land Main from West Kowloon to Sai Ying Pun” (the Project) under the requirements of the “Environmental Monitoring & Audit Manual – Agreement No. CE42/2005(W5) Laying of Western Cross Harbour Main and Associated Land Main from West Kowloon to Sai Ying Pun” (the EM&A Manual) of the approved EIA report (Registration No. AEIAR-109/2007) in accordance with the Environmental Permit (No.: EP-273/2007) (the EP).

This final EM&A review report documented the findings of EM&A Works conducted during the impact monitoring from May 2010 to December 2012. This report also presents the post project monitoring of marine water quality upon completion of all marine construction activities.

2.0 PROJECT INFORMATION

2.1 Scope of the Project

The construction works of the Project are located in West Kowloon, across the Victoria Harbour and in Sai Ying Pun.

The construction works under this Project are briefly described, without limitation, as follow:

- Laying of about 1.5km of 1200mm diameter steel fresh water mains at West Kowloon;
- Laying of about 2.1km of 1200mm diameter steel submarine pipeline from West Kowloon to Sai Ying Pun including dredging, cathodic protection system and other associated works;
- Laying of about 0.4km of 1200mm diameter steel fresh water main at Sai Ying Pun;
- Laying of about 0.5km of 800mm diameter steel salt water main at West Kowloon;
- Construction of motorized butterfly valve (MBV) and the associated facilities in the vicinity of Sun Yat Sen Memorial Park at Sai Ying Pun;
- Construction of all chambers associated with pipeworks;
- Making service connections;
- Ancillary works including but not limited to reinstatement of roads, landscaping works.

Areas of the Project present in Appendix I. Locations of environmental monitoring stations and sensitive receivers are shown in Figures 1, 2, 3, 1.2a, 1.2b and 1.2c

2.2 Work Programme

Details of work programme are shown in Appendix F.

2.3 Project Organization and Management Structure

The organization chart and lines of communication with respect to the on-site environmental management and monitoring program are shown in Appendix A.

2.4 Contact Details of Key Personnel

The key personnel contact names and telephone numbers are shown in Table 2.1.

Table 2.1 Contact Details of Key Personnel

<i>Project Role</i>	<i>Organization</i>	<i>Name of Key Staff</i>	<i>Tel. No.</i>	<i>Fax No.</i>
<i>Engineer's Representative</i>	<i>Mott MacDonald</i>	<i>Mr. Kelvin HO</i>	<i>2377 2823</i>	<i>2377 2900</i>
<i>IEC</i>	<i>ENVIRON</i>	<i>Mr David Yeung</i>	<i>3743 0788</i>	<i>3548 6988</i>
<i>Contractor's Agent</i>	<i>WHPOJV</i>	<i>Mr. Danny HO</i>	<i>2695 8318</i>	<i>2957 8213</i>
<i>ET Leader</i>	<i>ET (ETL)</i>	<i>Mr C. L. Lau</i>	<i>2946 7791</i>	<i>2695 3944</i>



The proponents' contact and hotline telephone number for the Public to make enquiries by the Contractor is Mr. Peter Yung (Telephone No.: 61137660).

3.0 SUMMARY OF EM&A REQUIREMENTS

3.1 EM&A Programme

The EM&A programme required environmental monitoring for noise, marine water quality and environmental site inspections for air quality, noise, marine water quality and waste management. The EM&A requirements for each parameter described in the following sections include:

- *All monitoring parameters;*
- *Action and Limit levels for all environmental parameters;*
- *Event/Action Plans;*
- *Environmental mitigation measures, as recommended in the Project EIA report; and*
- *Environmental requirements in contract documents.*

The advice on implementation status of environmental protection and pollution control/mitigation measures is summarized in Section 4 of the Report.

3.2 Monitoring Stations and Parameters

The EM&A Manual designates several locations to monitor environmental impacts in terms of noise and marine water quality due to the Project. The description and detailed locations of monitoring stations for noise and marine water quality are shown in Figures 1, 2 and 3 and relevant sections of this Report.

3.3 Monitoring Methodology and Calibration Details

All monitoring works were conducted and monitoring equipment was calibrated in according with the EM&A Manual and the manufacturer's instruction.

3.4 Environmental Quality Performance Limits (Action/Limit Levels)

The environmental quality performance limits, i.e. Action/Limit Levels (AL Levels) were derived from the baseline monitoring results. If the measured environmental quality parameters exceed the AL Levels, the respective action plan will be implemented. The AL Levels for each monitoring parameter are given in Appendix D. The event action plan is given in Appendix E.

3.5 Environmental Mitigation Measures

Relevant mitigation measures were recommended in the EM&A Manual for the Contractor to implement.

4.0 MONITORING RESULTS

4.1 Noise

As the requirement in the EM&A Manual, impact noise monitoring was conducted for a weekly basis in four different time periods, day-time, evening-time, night-time and holiday-time, at designated monitoring locations. The noise levels in the past three months are plotted in Appendix B.

The impact noise monitoring was carried out weekly in the absence of fog, rain, storm, wind with a steady speed exceeding 5m/s, or wind gusts exceeding 10m/s. As a result, all impact noise monitoring data was considered to be unaffected by the weather condition.

During the impact noise monitoring, no action level Exceedance of noise monitoring was recorded since no complaint on noise issue was received.



However, totally 227 exceedances of Limit Level of noise monitoring were recorded. All of the exceedances were considered to be invalid (not project related) and hence no further actions were required.

Table 4.1 presents the summary of noise monitoring results during the impact noise monitoring.

Table 4.1 Summary of results of Impact Noise Monitoring

<i>Exceedance Level</i>	<i>Daytime</i>	<i>Evening-time</i>	<i>Night-time</i>	<i>Holiday-time</i>
<i>Action Level</i>	0	0	0	0
<i>Limit Level</i>	0	0	227	0

During the impact noise monitoring, the major noise source at KS6 was from local traffic along West Kowloon Highway and human activities from the Element. Besides, local traffic along Connaught Road West and Western Harbour Crossing and human activities was also the major noise source at KY3, RWM and CGa.

4.2 Marine Water Quality

4.2.1 Impact Marine Water Quality

In accordance with the EM&A Manual, the marine water quality monitoring was conducted at four control stations and nine impact monitoring stations.

Impact marine water quality monitoring was conducted three days per week during the marine construction works carried out. Measurements were taken at both mid-ebb and mid-flood tides at three depths (i.e. 1m below surface, mid depth and 1m above seabed).

The AL Levels of marine water quality monitoring are included in Appendix D.

According to the summary of marine water monitoring results, ninety-six exceedances of Limit levels of Dissolved Oxygen were recorded during the impact marine water quality monitoring. Since the exceedances might be due to natural fluctuation of dissolved oxygen content in the water body around the area and considered to be invalid (not project related), no further action was required.

Table 4.2 presents the total number of marine water quality exceedances in the impact marine water quality period.

Table 4.2 Total Number of Marine Water Quality Exceedances

<i>Parameter</i>	<i>Exceedance Level</i>	<i>No. of Exceedance</i>								
		<i>R5</i>	<i>R6</i>	<i>R7</i>	<i>R8a</i>	<i>R15</i>	<i>R16</i>	<i>R17</i>	<i>R28</i>	<i>R29</i>
<i>Dissolved Oxygen, DO</i>	<i>Action</i>	0	0	0	0	0	0	0	0	0
	<i>Limit</i>	12	12	12	12	0	12	12	12	12
<i>Turbidity (Depth-average)</i>	<i>Action</i>	0	0	0	0	0	0	0	0	0
	<i>Limit</i>	0	0	0	0	0	0	0	0	0
<i>Suspended Solids, SS (Depth-average)</i>	<i>Action</i>	0	0	0	0	0	0	0	0	0
	<i>Limit</i>	0	0	0	0	0	0	0	0	0

4.2.2 Post Project Marine Water Quality

Upon completion of all marine construction activities, a post project marine water quality monitoring was carried out for four weeks from 03 to 29 January 2013, in the same manner as impact marine water quality monitoring. Appendix G presents the post project marine water quality monitoring data.

The trend of marine water quality of the periods of baseline, impact and post project monitoring is depicted in Appendix C. Refer to the trend of marine water quality, the post project monitoring data shows that no adverse impact on marine water was noted from the construction activities and no prompt mitigatory action was required to be taken.



The Contractor has been implementing the required environmental mitigation measures according to mitigation measures stated in the EM&A Manual.

Air Quality

The working area of excavation was sprayed with water and stockpiles were watered or covered by using clean tarpaulin sheets. The haul road and public road around the site entrance was kept clean and free from dust. All plant and equipment were well maintained without black smoke emission.

Noise

Noise mitigation measures were implemented properly in the impact noise monitoring. Powered mechanical equipment (PME) were covered or shielded by appropriate acoustic materials. Machines and plant that may be in intermittent use were shut down between work periods and throttled down to a minimum.

Water Quality

The Contractor implemented mitigation measures, such as diverting site runoff to suitable treatment processes before discharge, proper maintenance of sedimentation system and drainage facilities, and remove the silt and mud accumulated in the sedimentation tanks regularly.

Waste Management

The Contractor has been implementing most mitigation measures on waste management, such as provide manpower to clean up of rubbish accumulated at the site regularly and provide rubbish bin/skips for collected the rubbish.

5.2 Advice on Solids and Liquid Waste Management Status

Summary of waste disposal during the construction period is present in Table 5.1.

Table 5.1 Summary of Waste Disposal during the construction period

	Type of Waste	Disposal Location	Quantity
Inert C&D Materials	Total Quantity Generated (in m ³)		18258.97
	Broken Concrete (in m ³)	---	0
	Reused in the Contract (in m ³)	---	0
	Reused in other Projects (in m ³)	---	0
	Disposal as Public Fill (in m ³)	SENT Landfill	18258.97
C&D Waste	Metals (in kg)	---	0
	Paper/Cardboard Packaging (in kg)	Collected by recycling company	169
	Plastics (in kg)	---	0
	Chemical Waste (in kg)	---	4478
	Other, e.g. General Refuse (in m ³)	SENT Landfill	211.21
Dredged Materials	Type 1 (in m ³)	East Ninepin Mud Disposal Ground	160500
	Type 2 (in m ³)	The East Sha Chau	104990

The Contractor provided sufficient preventive measures during equipment maintenance works so as to avoid oil leakage on the ground. In the event of any oil leakage, the Contractor cleaned up the polluted soil and handled all the materials used for this cleaning works as chemical waste.

Besides, pre-cast drip trays were provided for oil drums at several areas, such as barge and chemical storage area. The Contractor collected and disposed of any stagnant water accumulated in the drip trays and handle them as chemical waste.

The Contractor used suitable containers with proper labels to store chemical wastes in accordance with Code of Practice on the Packaging, Labeling and Storage of Chemical Waste. The Contractor also advised their workers of the proper procedures in handling the chemical waste. All the trip tickets for chemical waste disposal were properly kept in the site office.



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The Contractor used suitable containers with proper labels to store chemical wastes in accordance with Code of Practice on the Packaging, Labeling and Storage of Chemical Waste. The Contractor also advised their workers of the proper procedures in handling the chemical waste. All the trip tickets for chemical waste disposal were properly kept in the site office.

6.0 NON-COMPLIANCE OF THE ENVIRONMENTAL QUALITY PERFORMANCE LIMITS

6.1 Summary of Non-compliance

During the impact noise monitoring, no action level exceedance of noise monitoring was recorded since no complaint on noise issue was received. However, 227 exceedances of Limit Level of noise monitoring were recorded.

According to the summary of marine water monitoring results, ninety-six exceedances of Limit levels of Dissolved Oxygen were recorded during the impact marine water quality monitoring.

6.2 Review of the Reasons for and the Implications of Non-compliance

Since all exceedances were invalid (not project related), no action on the review of the reason and the implication of non-compliance was required.

6.3 Summary of Actions Taken

No action was required since all exceedances were invalid (not project related).

6.4 Summary of Environmental Complaint, Notifications of Summons and Successful Prosecutions Handling

During the construction period, one complaint was received on 23 June 2011. Complaint Investigation report of this event has been prepared and submit to RE, IEC and Contractor by ET (Appendix I).

No notification of summon and prosecution with respect to environmental issues was received during the construction period.

A summary of environmental complaints and prosecutions was given in Table 6.1.

Table 6.1 Summary of Environmental Complaints and Prosecutions

<i>Event</i>	<i>Complaints logged</i>	<i>Summon served</i>	<i>Successful Prosecution</i>
<i>No. of event</i>	1	0	0

7.0 IMPLEMENTATION STATUS

7.1 Implementation Status of Event and Action Plan

Since all Exceedance were invalid (not project related), no further action following the Event and Action Plan was required.

7.2 Implementation Status of Environmental Complaint Handling

During the construction period, one complaint was received on 23 June 2011 forwarded by the Engineer's Representatives on 08 July 2011 through internet from a citizen against urinating into the sea from the Launching Barge which caused by site workers. The complainant complained that that caused an environmental nuisance. The Contractor had provided portable chemical toilet and warming notice on the Launching Barge and the situation was noted improved. Complaint Investigation report of this event has been prepared and submit to RE, IEC and Contractor by ET.



8.0 REVIEW OF VALIDITY OF EIA PREDICATIONS AND EFFECTIVENESS AND EFFICIENCY OF MITIGATION MEASURES

According to the environmental monitoring results, 227 exceedances of Limit Level of noise monitoring and 96 exceedances of Limit levels of Dissolved Oxygen were recorded during the impact monitoring period. However, all the exceedance was invalid (not project related).

Hence, the Project complied with all environmental standards and legislation as mitigation measures of the construction stage recommended in the EIA Report were implemented satisfactorily.

This compliance reflected that the EIA predictions were found accurate and the recommended mitigation measures were effective and efficient on the environmental monitoring and audit mechanisms.

9.0 REVIEW OF SUCCESS OF THE EM&A PROGRAMME TO COST EFFECTIVE IDENTIFY DETERIORATION

Since the Project complied with all environmental standards and mitigation measures of the construction stage recommended in the EIA Report were implemented satisfactorily to prevent environmental impacts to the nearby environment, the EM&A programme was considered to be cost effective identify deterioration.

10.0 CONCLUSIONS

During the impact noise monitoring, no action level exceedance of noise monitoring was recorded since no complaint on noise issue was received.

However, 227 exceedances of Limit Level of noise monitoring were recorded. All of the exceedances were considered to be invalid (not project related) and hence no further actions were required..

According to the summary of marine water monitoring results, 96 exceedances of Limit levels of Dissolved Oxygen were recorded during the impact marine water quality monitoring. Since the exceedances might be due to natural fluctuation of dissolved oxygen content in the water body around the area and considered to be invalid (not project related), no further action was required.

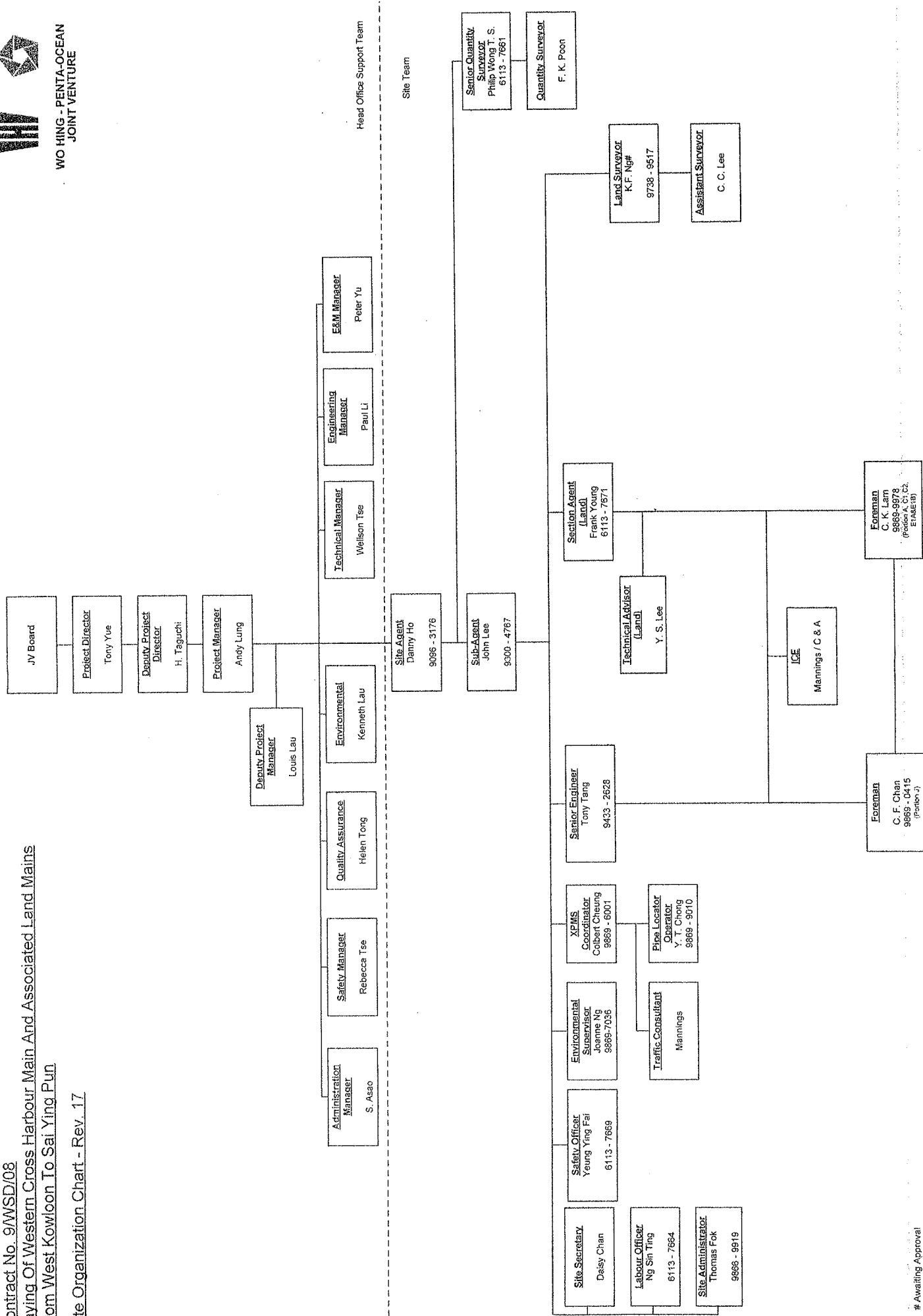
The monitored environmental data indicated that no unacceptable environmental impacts arising from the Project had been caused to the surrounding sensitive receivers. The environmental measures had been effective in controlling potential impacts to within acceptable sensitive receivers.

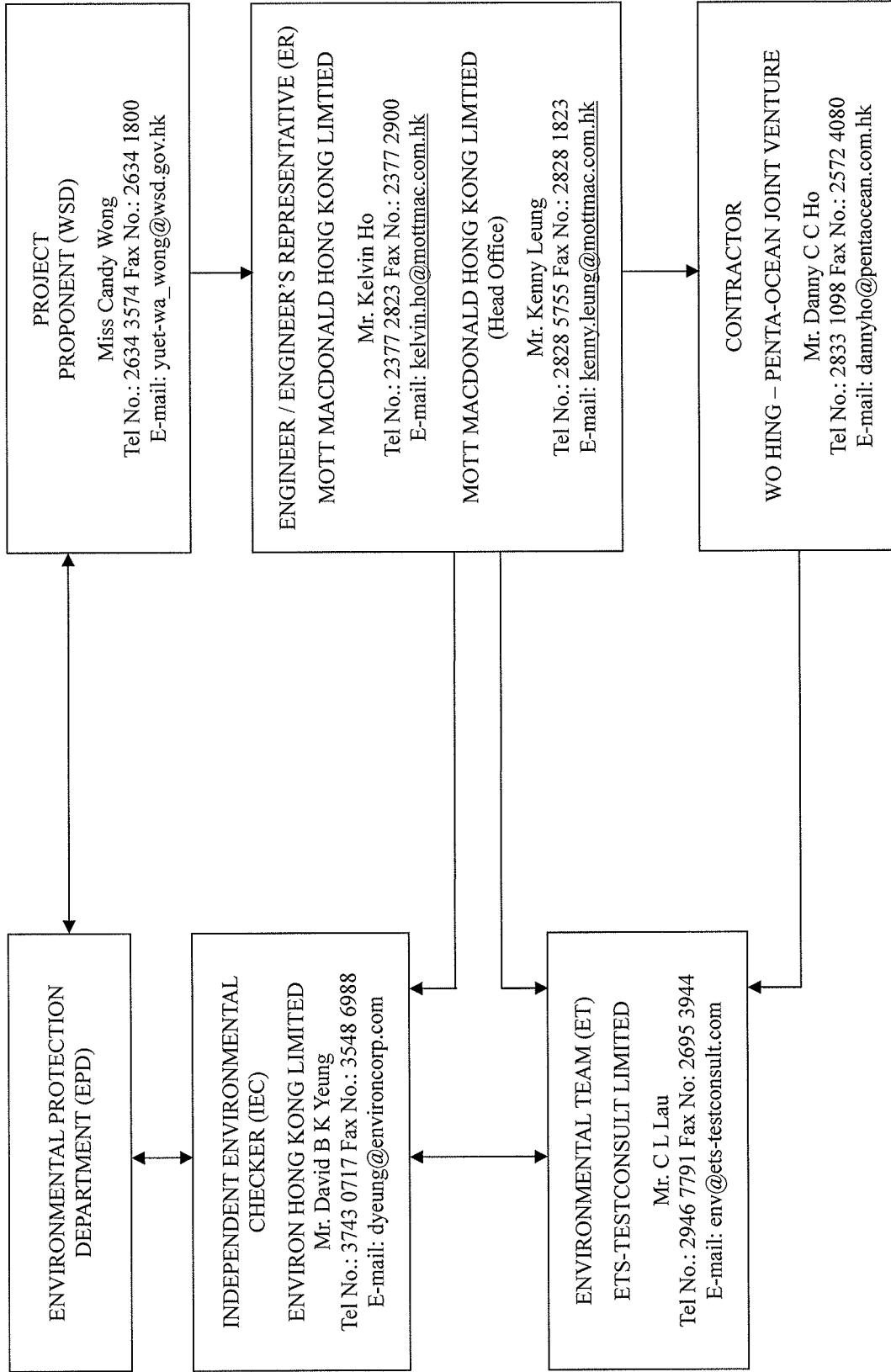
- END OF REPORT -



Appendix A

Organization Chart and Lines of Communication





Project Laying of Western Cross Harbour Main and Associated Land Mains From West Kowloon to Sai Ying Pun - Investigation

Title Project Organization and Line of Communication

Date Dec 2009

Figure 1.3a



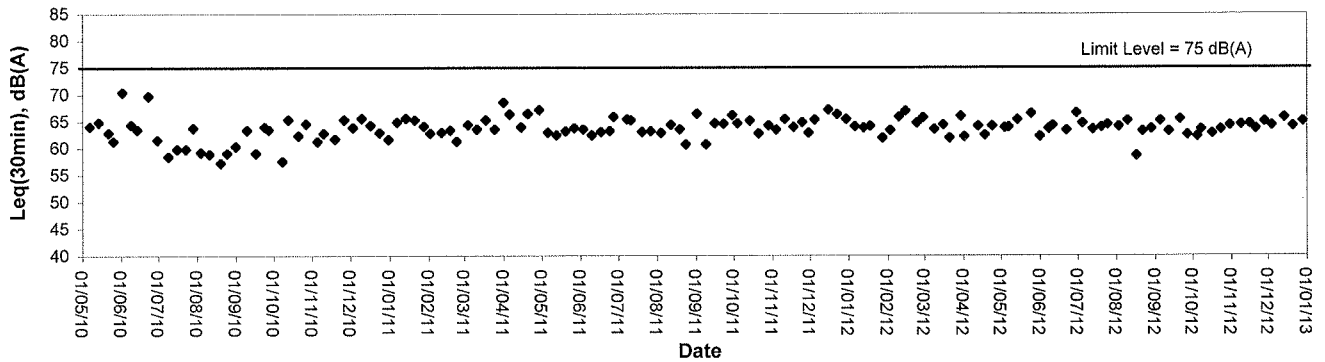
Appendix B

Graphical Plots of Noise Monitoring Data

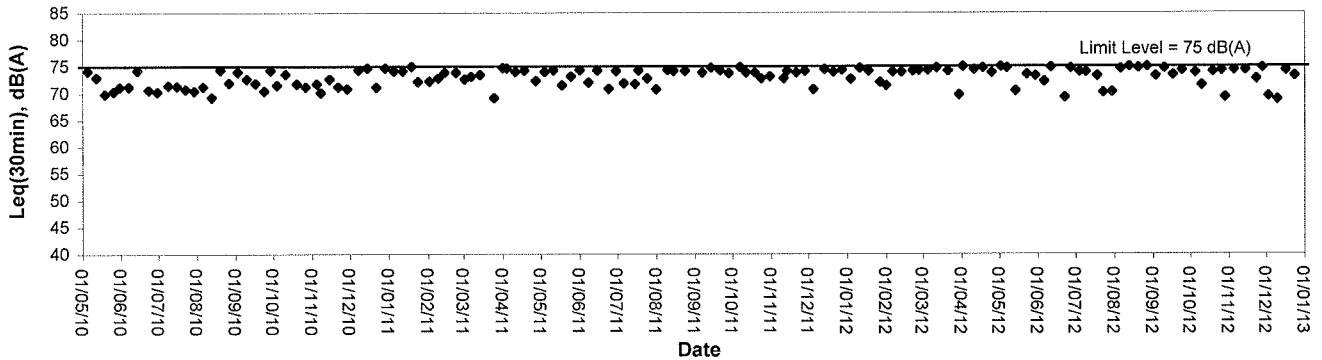


Noise Monitoring (Day-time)

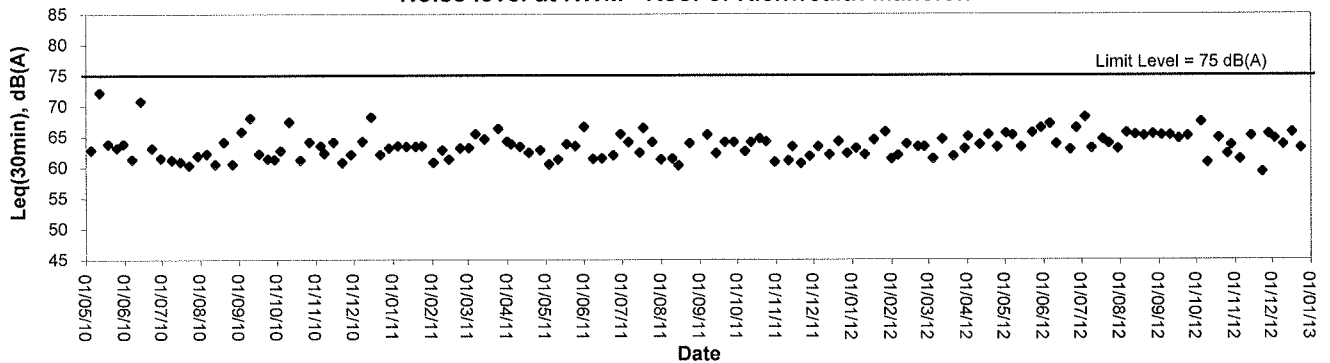
Noise level at KS6 - Podium at the Culliman



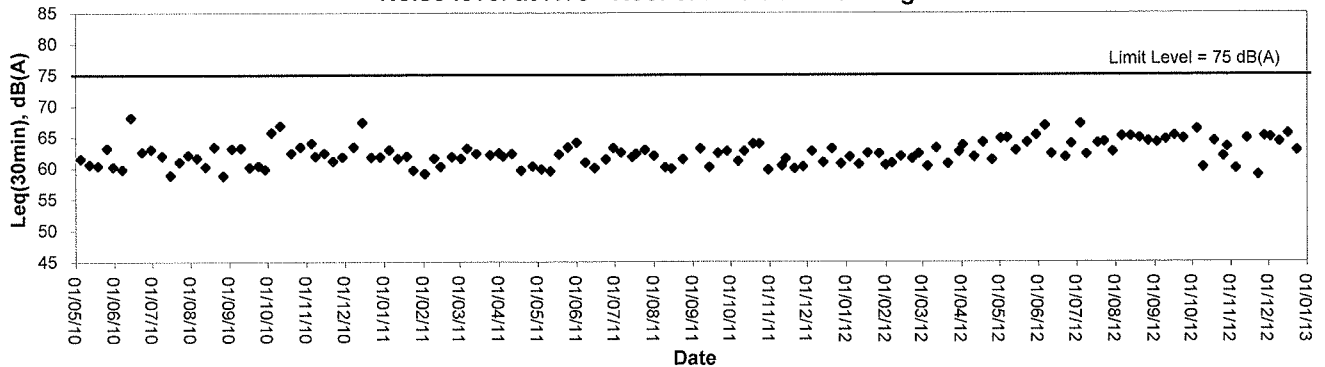
Noise level at CGA - Pavement in front of Connaught Garden



Noise level at RWM - Roof of Richwealth Mansion



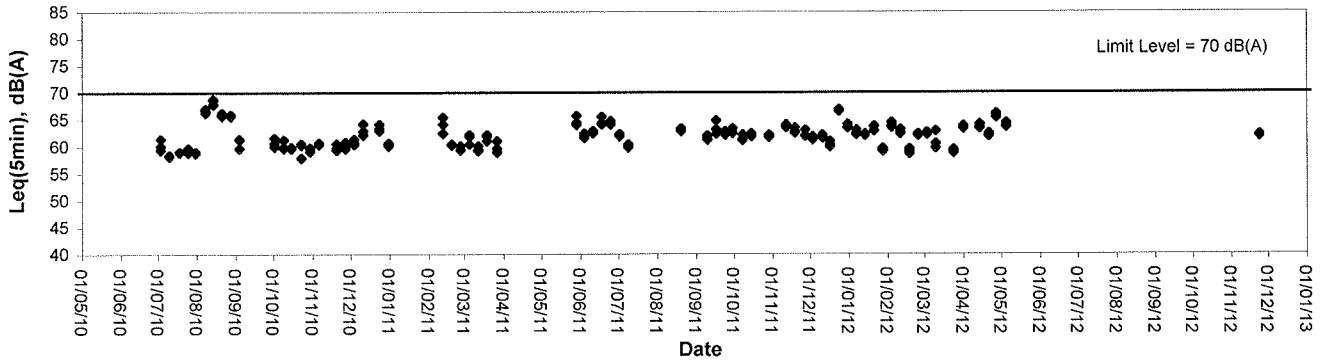
Noise level at KY3 - Roof of Kwan Yik Building Phase 3



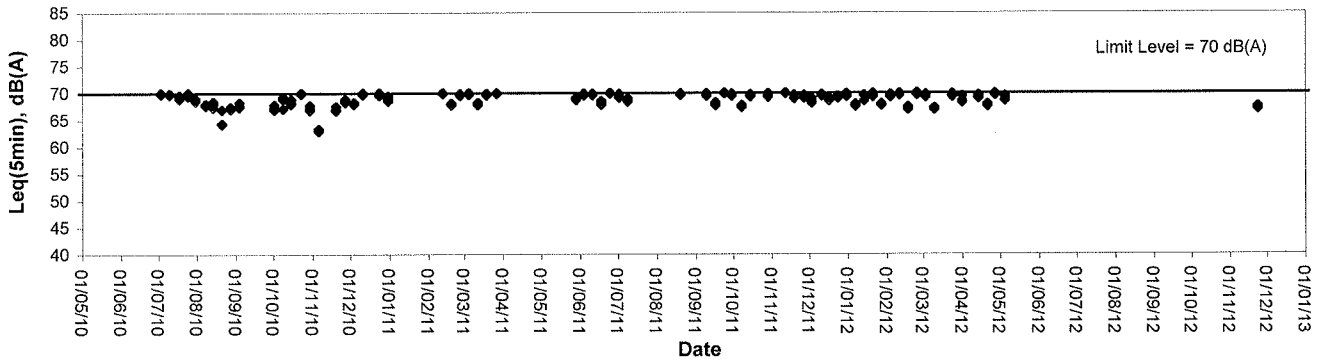


Noise Monitoring (Evening-time)

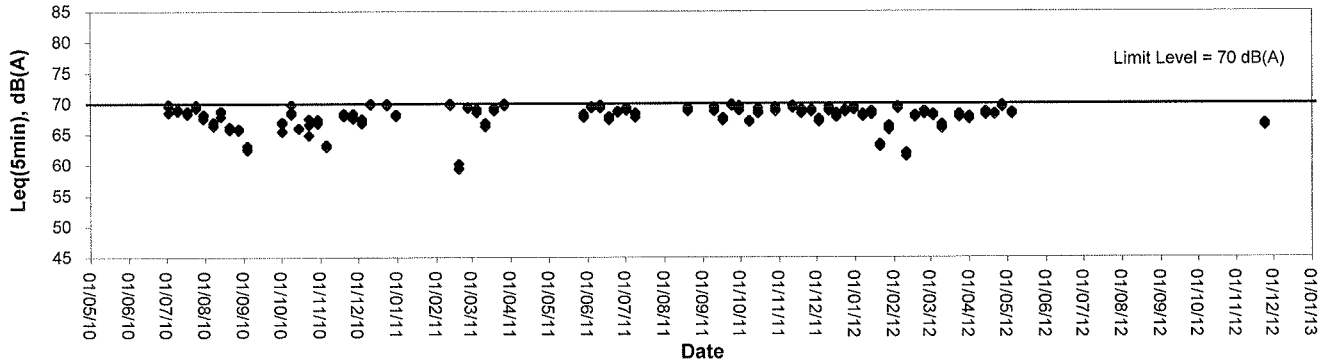
Noise level at KS6 - Podium at the Culliman



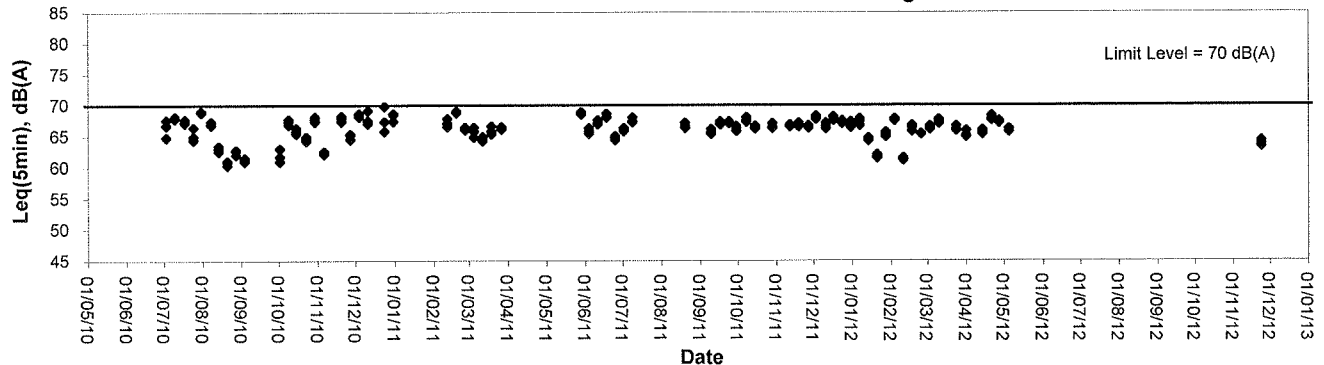
Noise level at CGa - Pavement in front of Connaught Garden



Noise level at RWM - Roof of Richwealth Mansion



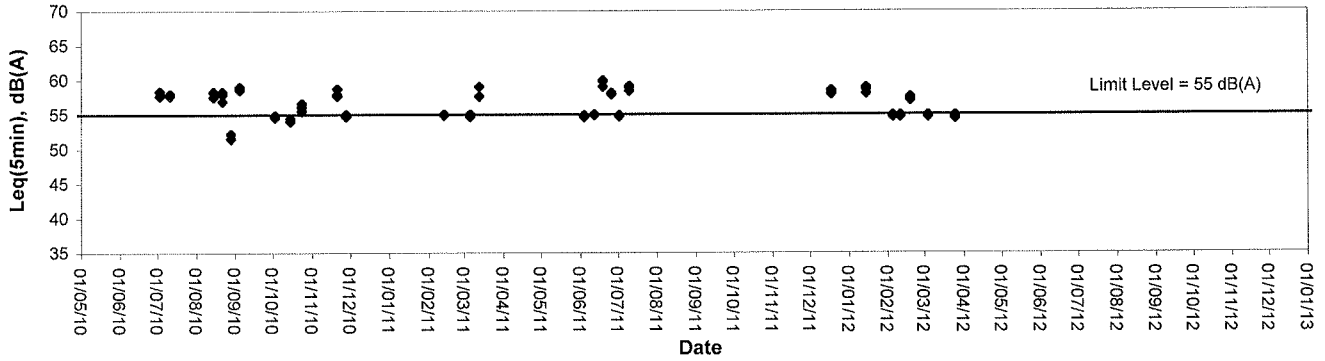
Noise level at KY3 - Roof of Kwan Yik Building Phase 3



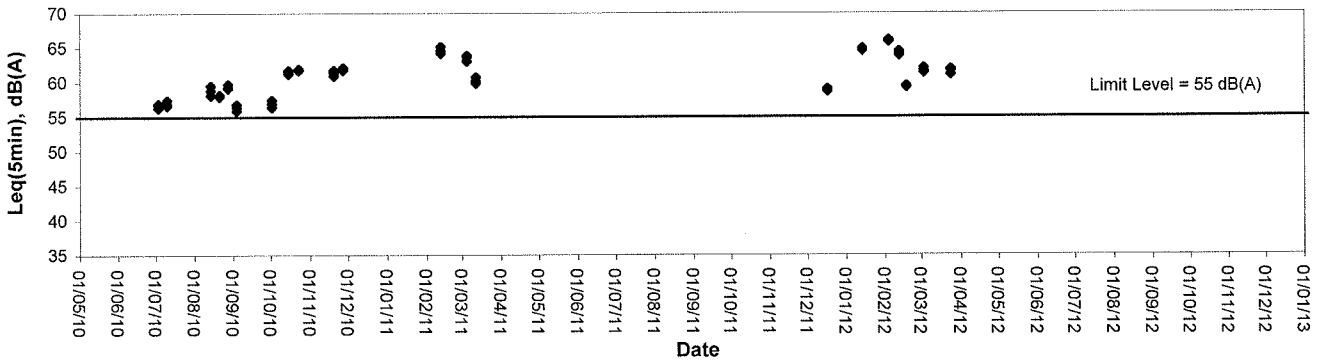


Noise Monitoring (Night-time)

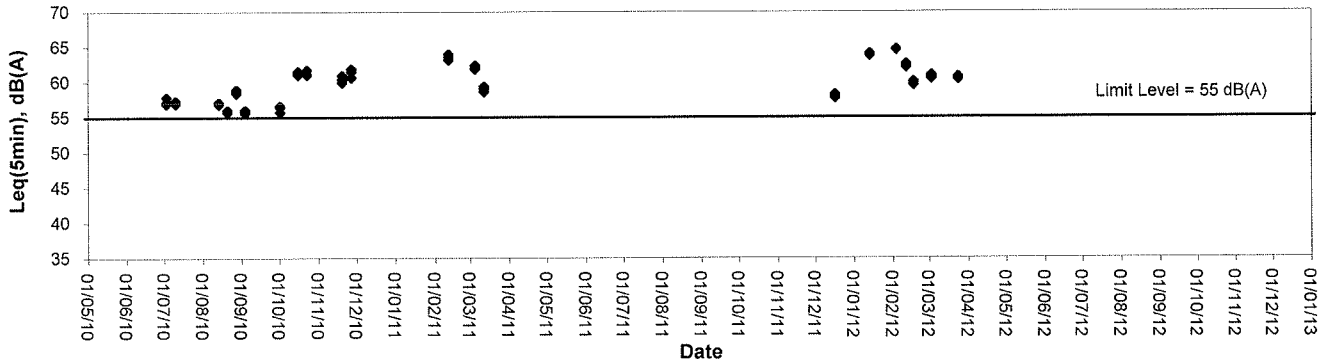
Noise level at KS6 - Podium at the Culliman



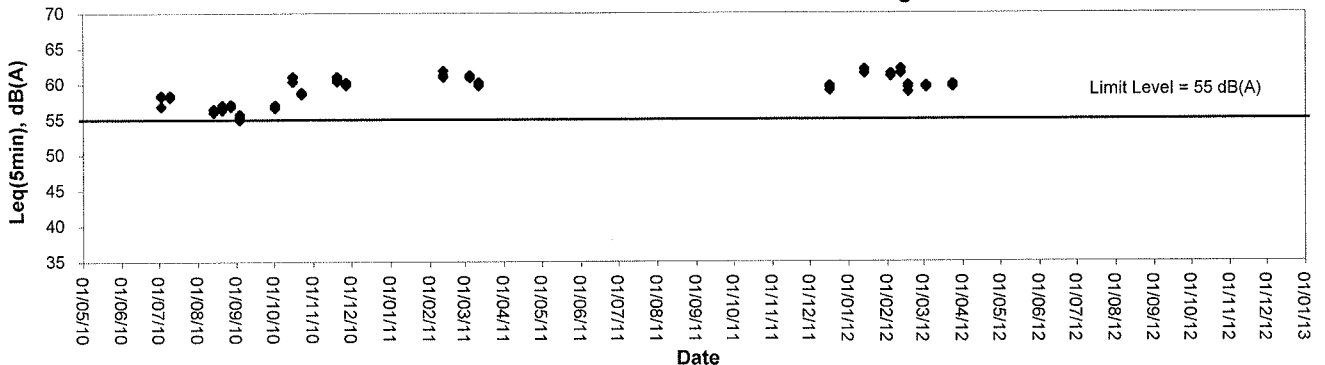
Noise level at CGa - Pavement in front of Connaught Garden



Noise level at RWM - Roof of Richwealth Mansion



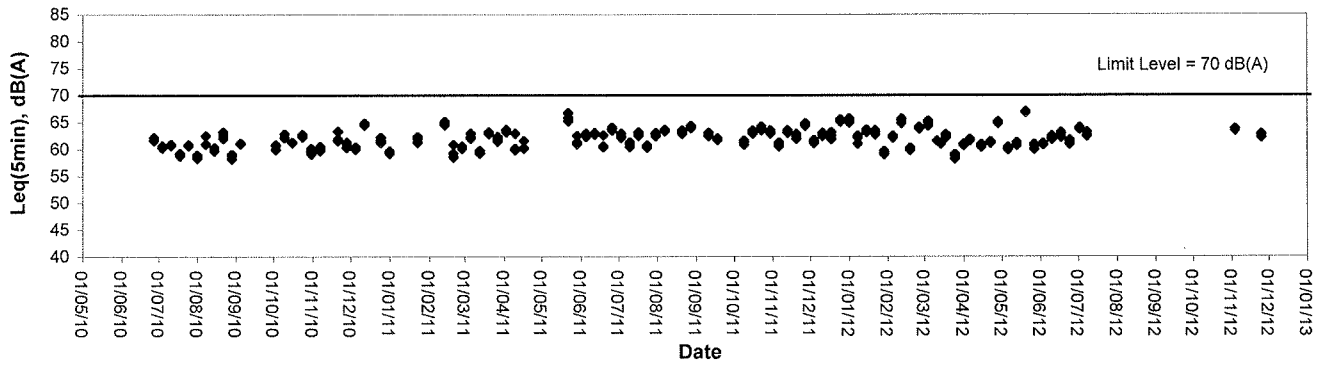
Noise level at KY3 - Roof of Kwan Yik Building Phase 3



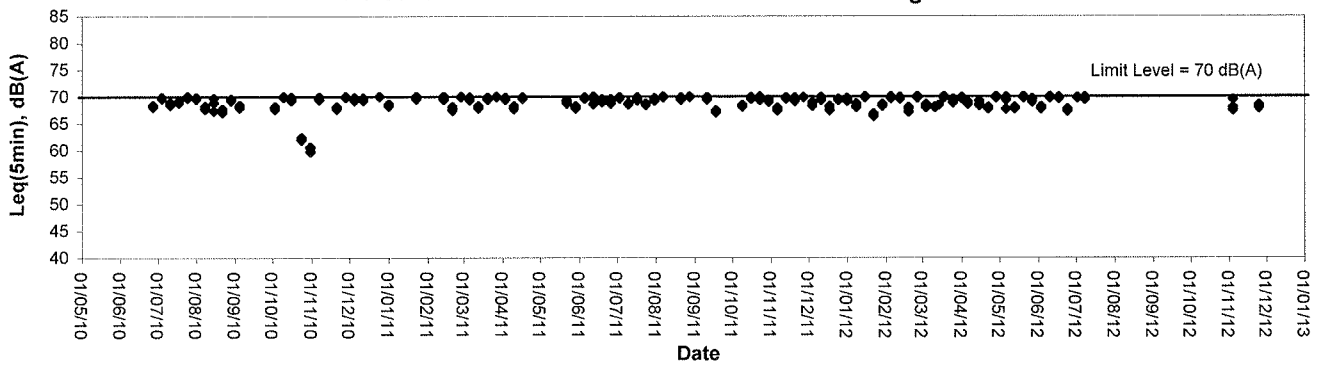


Noise Monitoring (Holiday-time)

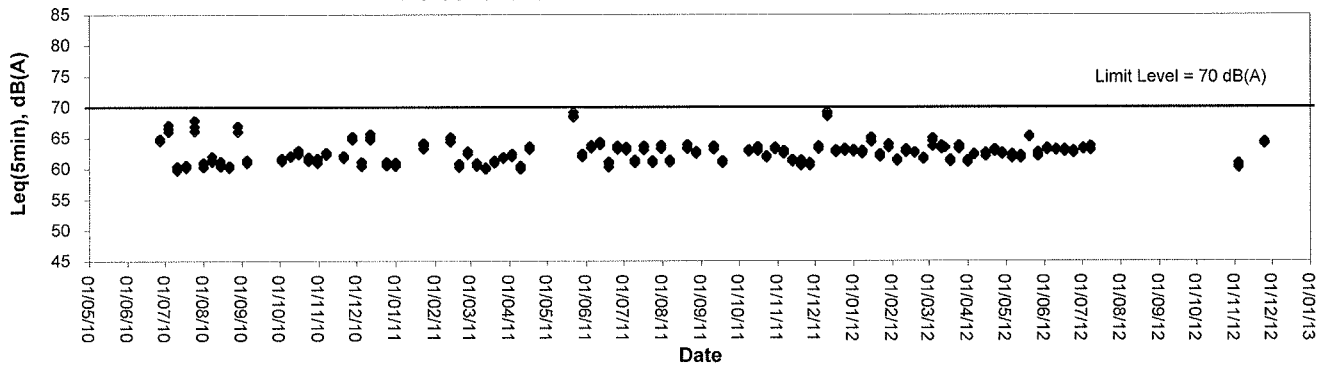
Noise level at KS6 - Podium at the Culliman



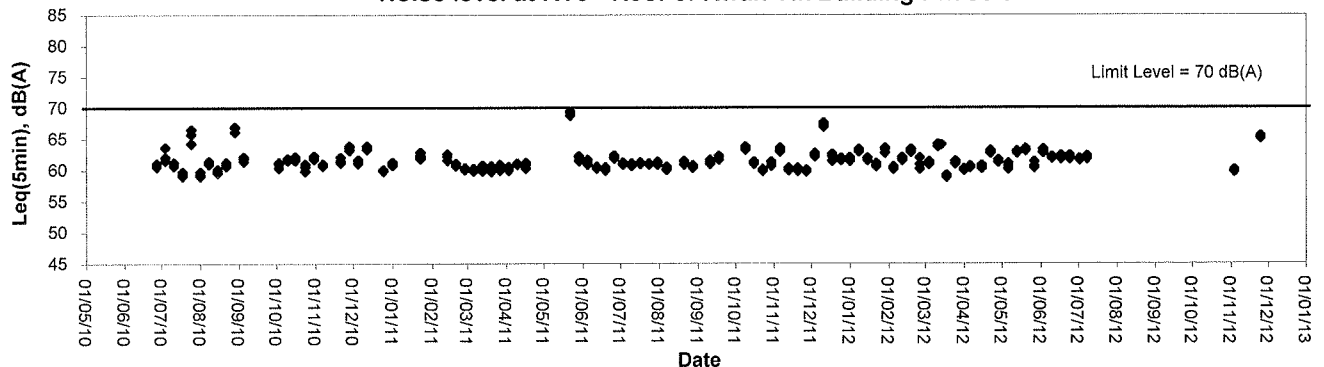
Noise level at CGa - Pavement in front of Connaught Garden



Noise level at RWM - Roof of Richwealth Mansion



Noise level at KY3 - Roof of Kwan Yik Building Phase 3

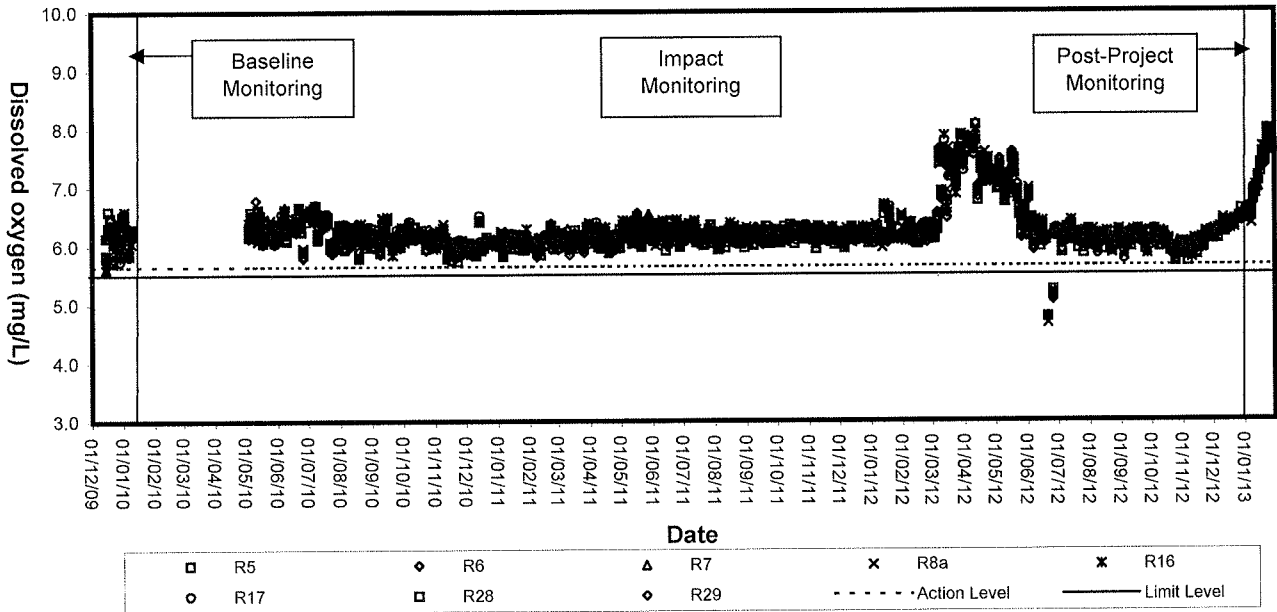


Appendix C

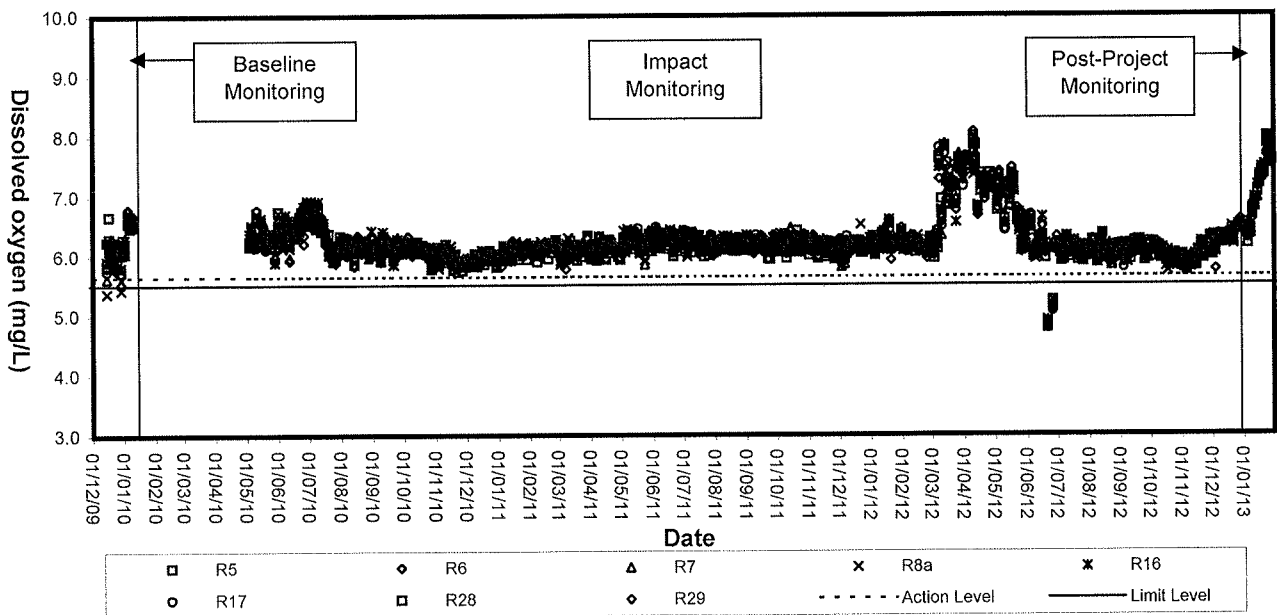
Graphical Plots of Impact Marine Water Quality Monitoring Data



Dissolved Oxygen (Surface) at Mid-Flood Tide

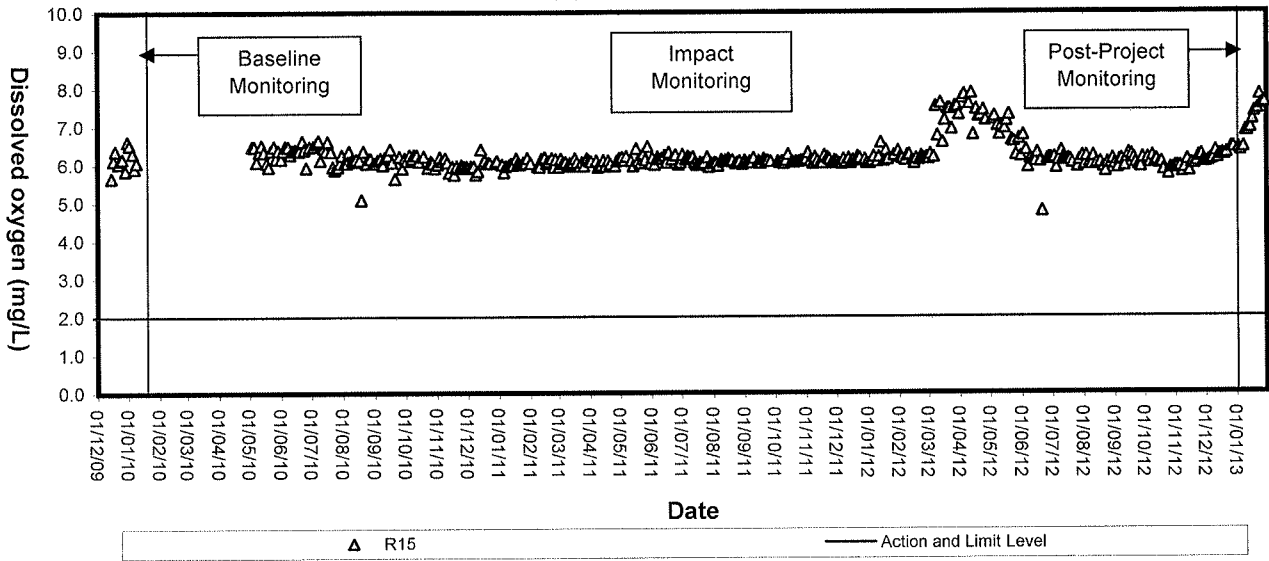


Dissolved Oxygen (Surface) at Mid-Ebb Tide

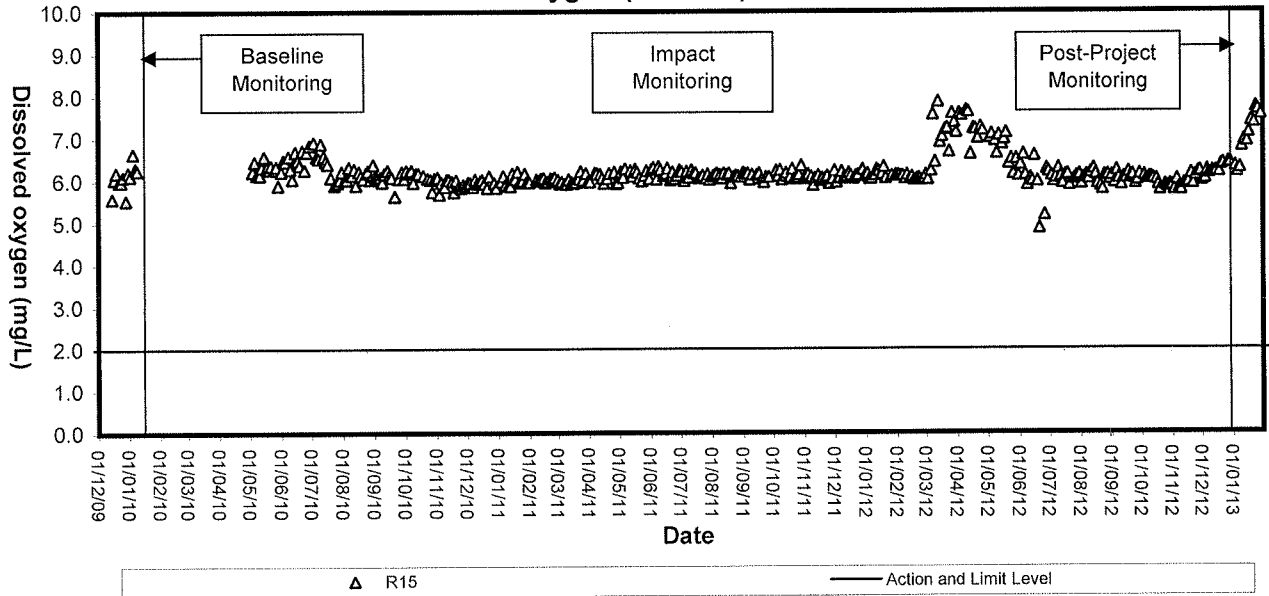




Dissolved Oxygen (Surface) at Mid-Flood Tide

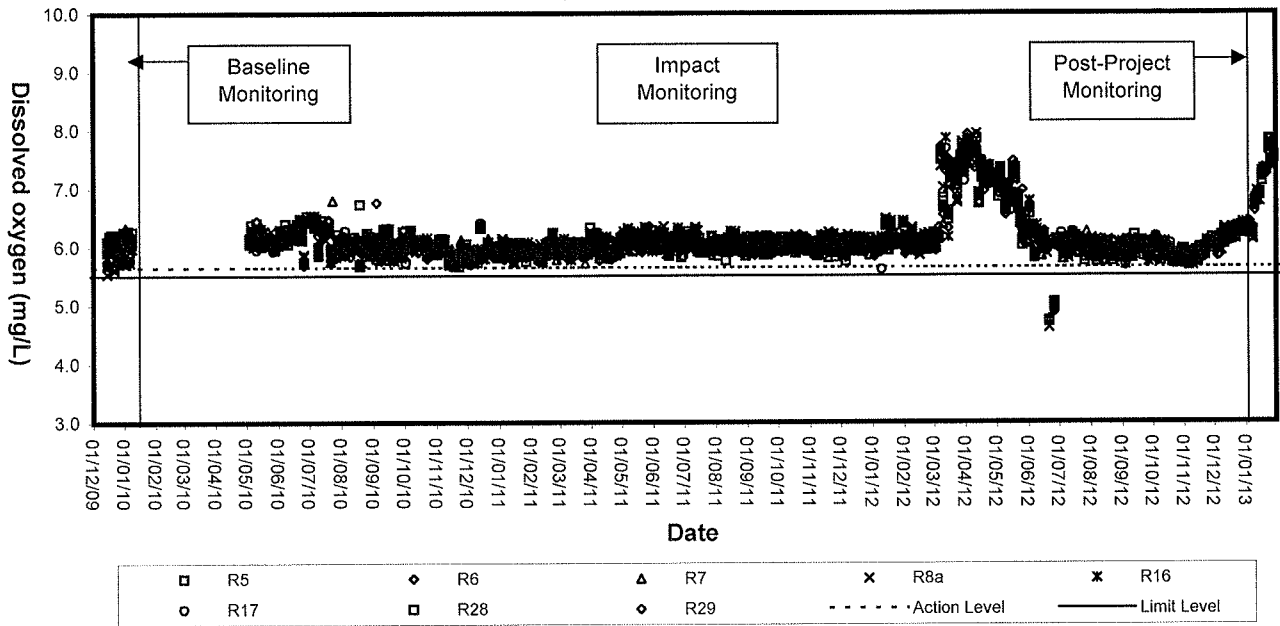


Dissolved Oxygen (Surface) at Mid-Ebb Tide

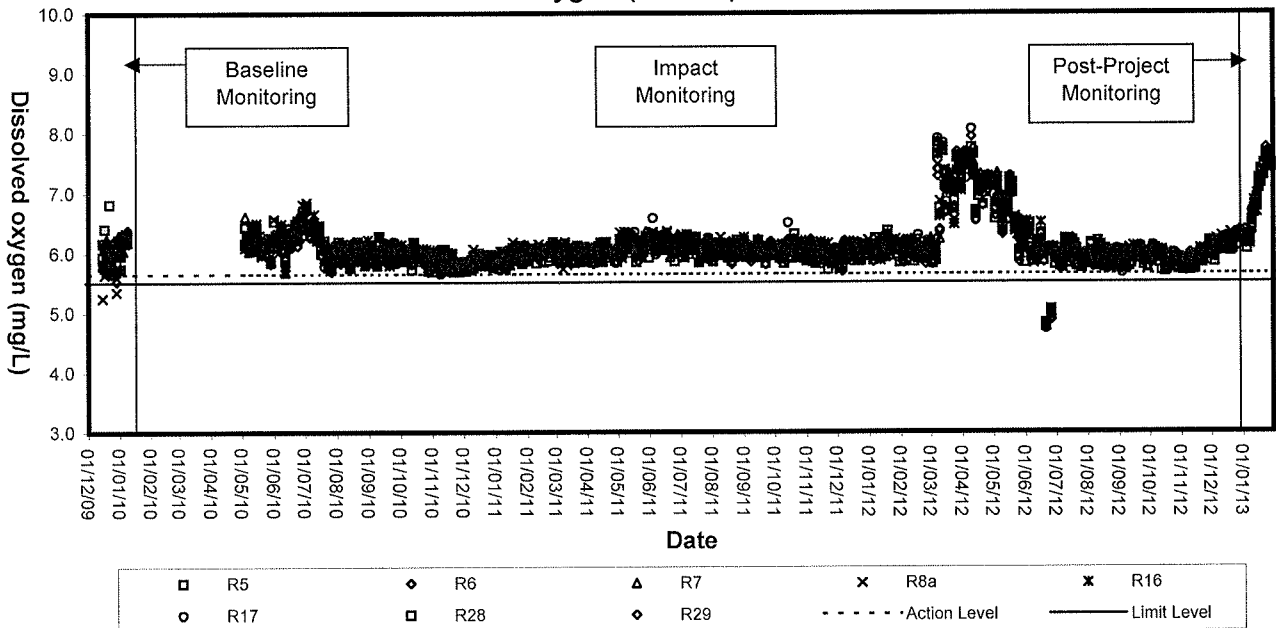




Dissolved Oxygen (Middle) at Mid-Flood Tide

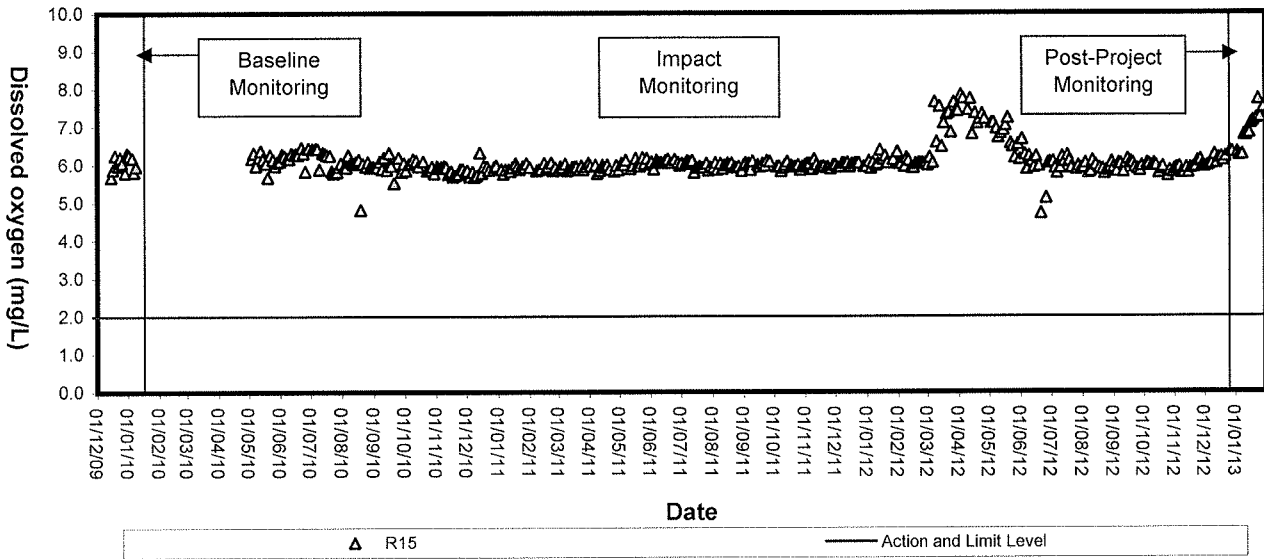


Dissolved Oxygen (Middle) at Mid-Ebb Tide

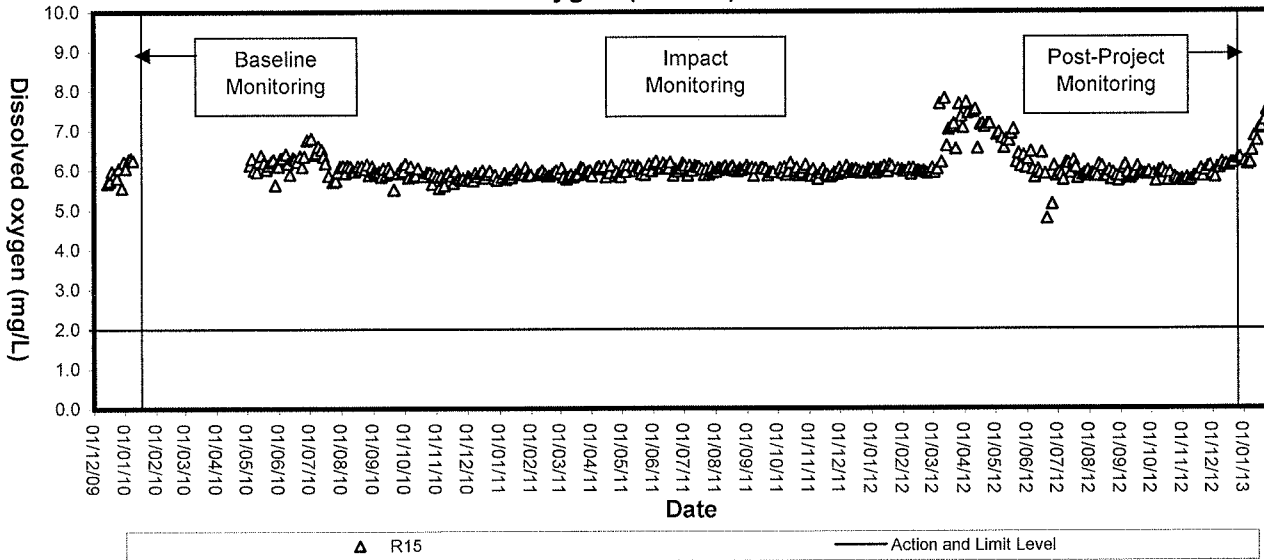




Dissolved Oxygen (Middle) at Mid-Flood Tide

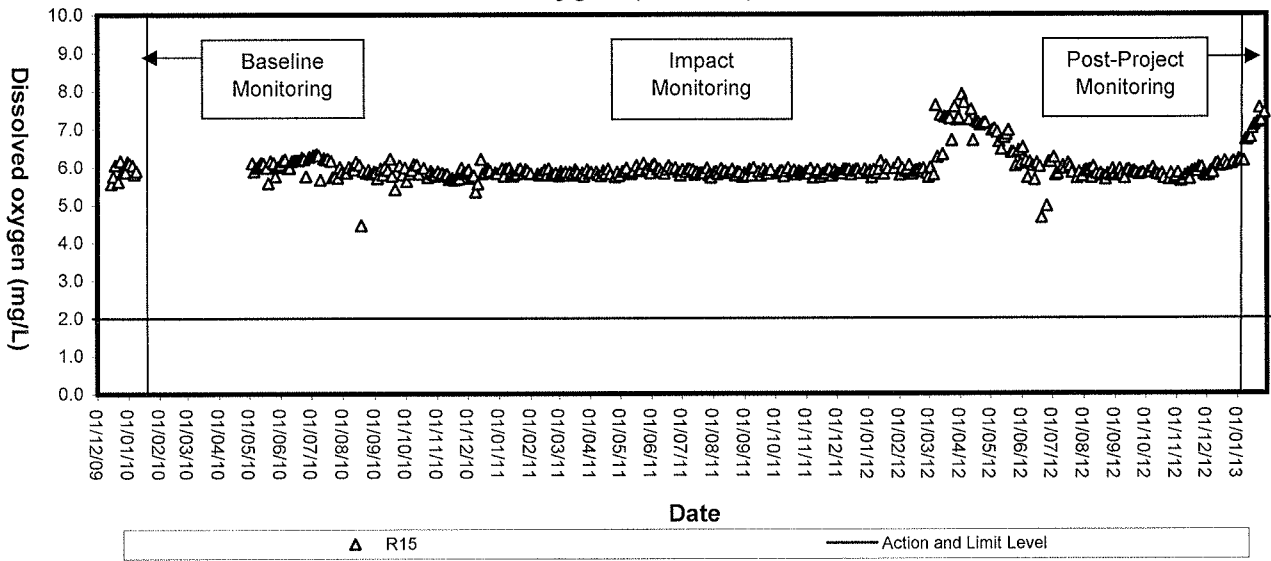


Dissolved Oxygen (Middle) at Mid-Ebb Tide

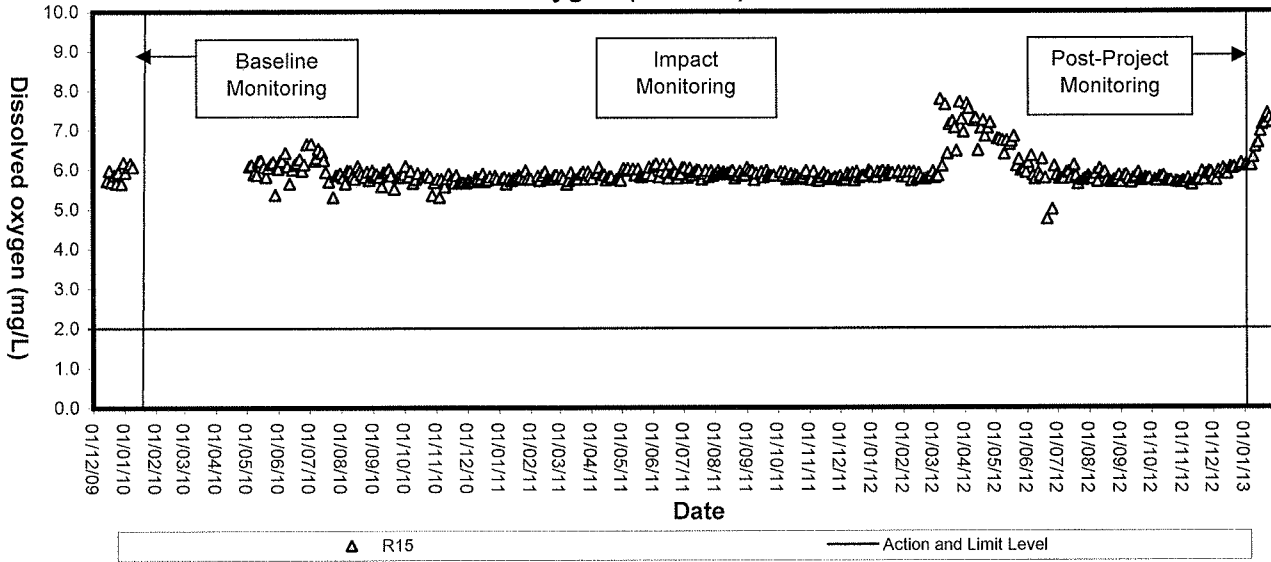




Dissolved Oxygen (Bottom) at Mid-Flood Tide

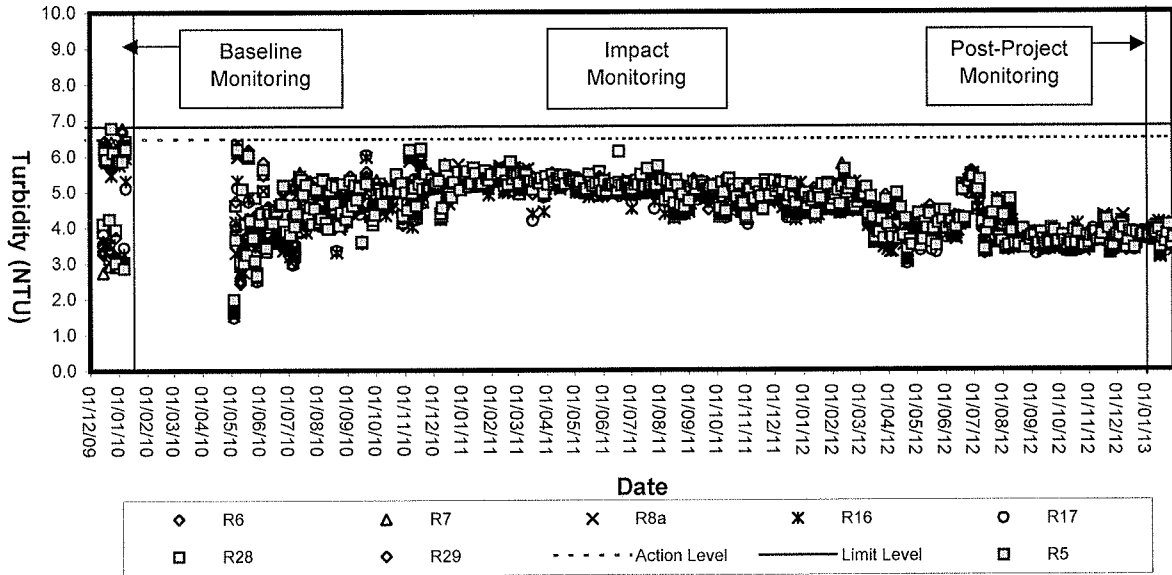


Dissolved Oxygen (Bottom) at Mid-Ebb Tide

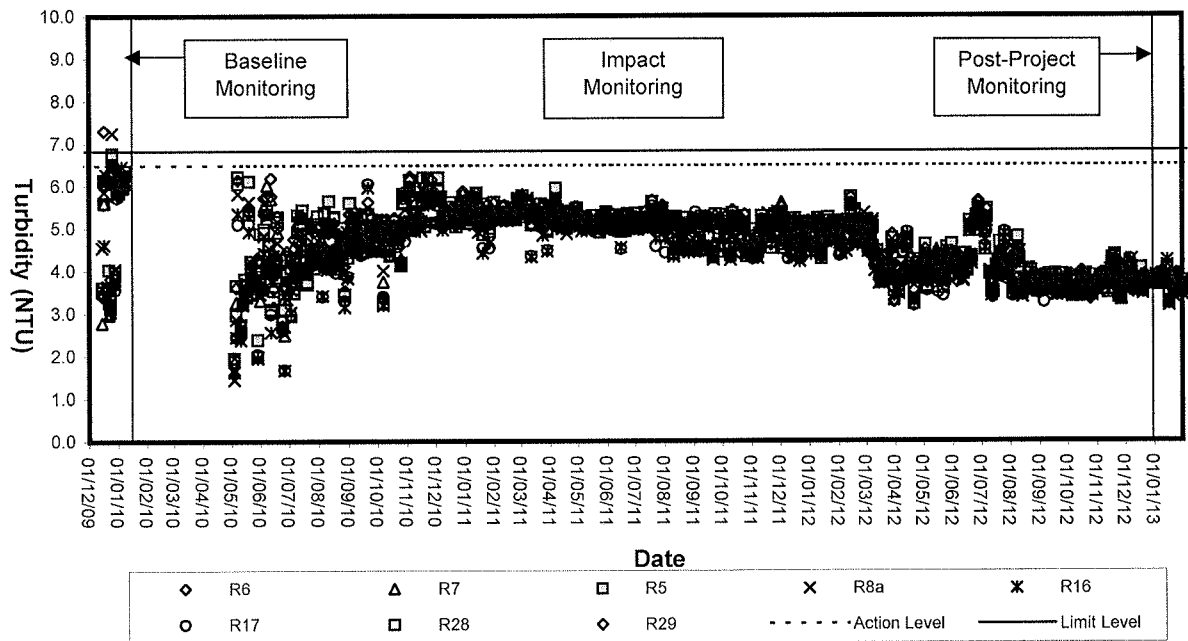




Turbidity (Depth-average) at Mid-Flood Tide

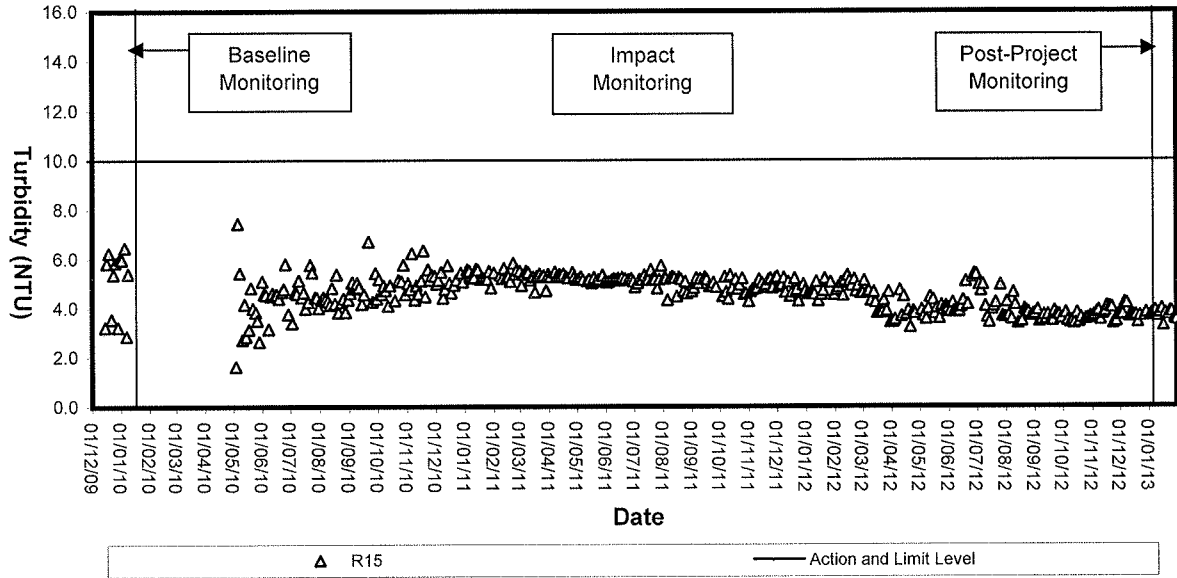


Turbidity (Depth-average) at Mid-Ebb Tide

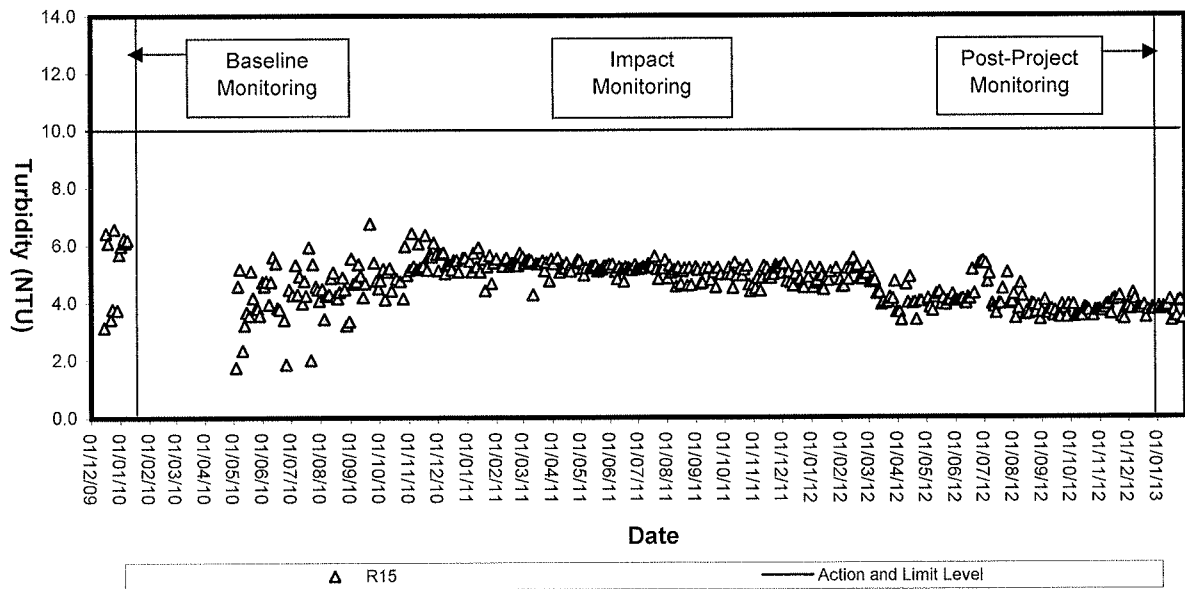




Turbidity (Depth-average) of R15 at Mid-Flood Tide

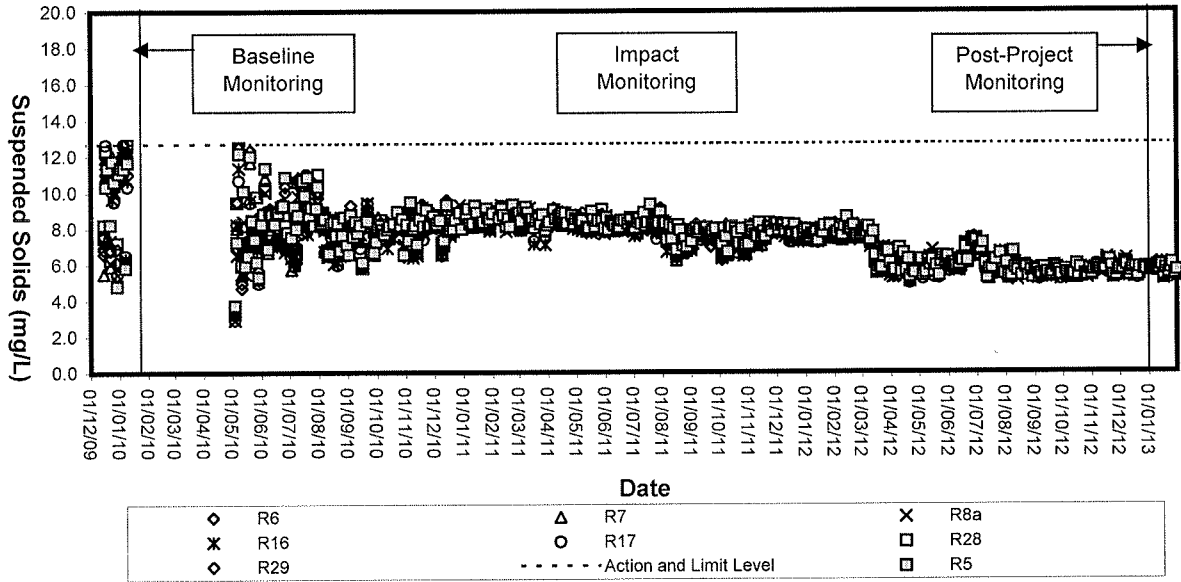


Turbidity (Depth-average) of R15 at Mid-Ebb Tide

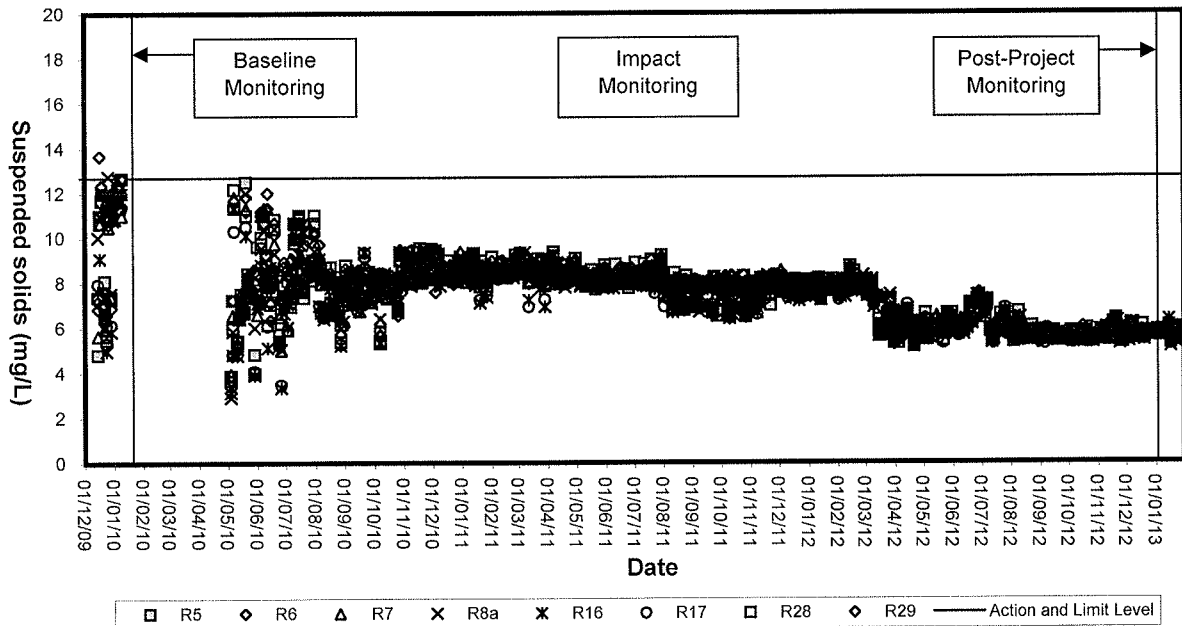




Suspended Solids (Depth-average) at Mid-Flood Tide

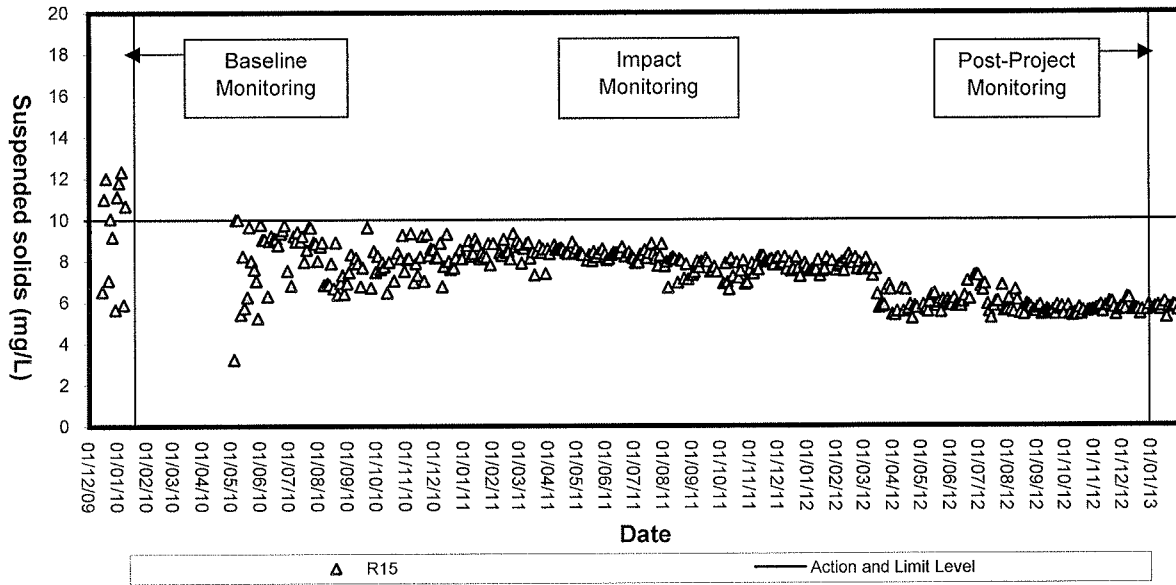


Suspended Solids (Depth-average) at Mid-Ebb Tide

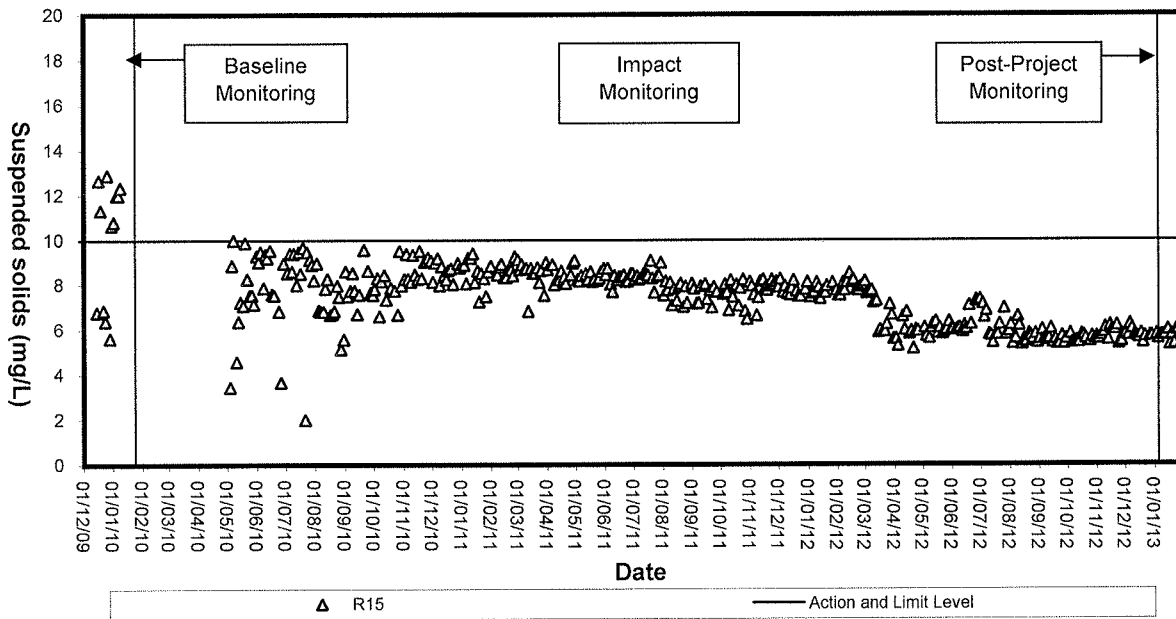




Suspended solids (Depth-average) of R15 at Mid-Flood Tide



Suspended Solids (Depth-average) of R15 at Mid-Ebb Tide





Appendix D

Environmental Quality Performance (Action / Limit Levels)



Action and Limit Levels for Noise Monitoring

Time Period	Action	Limit
0700 –1900 hrs on normal weekday (Day-time)	When one documented complaint is received	75 dB(A) *
1900-2300 hrs (Evening-time)		70 dB(A)
0700-1900 hrs on Holiday (Holiday-time)		70 dB(A)
Restricted hours (2300-0700 hrs of next day) (Night-time)		55 dB(A)

* reduce to 70dB(A) for school and 65dB(A) during school examination periods

Action and Limit Levels for Marine Water Quality

Parameter	Action Level	Limit Level
DO (mg/L) (Surface, Middle & Bottom)	<u>Surface, Middle & Bottom</u> WSD Seawater Intakes 2 mg/L (For R15) Other Impact Monitoring Stations 5.65 mg/L (For R5, R6, R7, R8a, R16, R17, R28 and R29)	<u>Surface & Middle</u> WSD Seawater Intakes 2 mg/L (For R15) Other Impact Monitoring Stations 5.51 mg/L (For R5, R6, R7, R8a, R16, R17, R28 and R29) <u>Bottom</u> 5.11 mg/L (For R15, R5, R6, R7, R8a, R16, R17, R28 and R29)
SS (mg/L) (Depth-averaged)	WSD Seawater Intakes 10 mg/L (For R15) Other Impact Monitoring Stations 12.7 mg/L (For R5, R6, R7, R8a, R16, R17, R28 and R29)	WSD Seawater Intakes 10 mg/L (For R15) Other Impact Monitoring Stations 12.7 mg/L (For R5, R6, R7, R8a, R16, R17, R28 and R29)
Turbidity (NTU) (Depth-averaged)	WSD Seawater Intakes 10 NTU Other Impact Monitoring Stations 6.48 NTU (For R5, R6, R7, R8a, R16, R17, R28 and R29)	WSD Seawater Intakes 10 NTU Other Impact Monitoring Stations 6.82 NTU (For R5, R6, R7, R8a, R16, R17, R28 and R29)

- 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 and 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.



Appendix E

Event-Action Plans



Event and Action Plan for Construction Noise

Event	Action			
	ET Leader	IEC	ER	Contractor
Action Level	<ol style="list-style-type: none"> 1. Notify IEC and the Contractor. 2. Carry out investigation. 3. Report the results of investigation to IEC and the Contractor. 4. Discuss with the Contractor and formulate remedial measures. 5. Increase monitoring frequency to check mitigation measures. 	<ol style="list-style-type: none"> 1. Review with analysed results submitted by ET. 2. Review the proposed remedial measures by the Contractor and advise ER accordingly. 3. Supervise the implement of remedial measures. 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of exceedance in writing. 2. Notify the Contractor. 3. Require the Contractor to propose remedial measures for the analysed noise problem. 4. Ensure remedial measures are properly implemented. 	<ol style="list-style-type: none"> 1. Submit noise mitigation proposals to IEC. 2. Implement noise mitigation proposals.
Limit Level	<ol style="list-style-type: none"> 1. Identify the source. 2. Notify IEC, ER, EPD and the Contractor. 3. Repeat measurement to confirm findings. 4. Increase monitoring frequency. 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented. 6. Inform IEC, ER, and EPD the causes & actions taken for the exceedances. 7. Assess effectiveness of the Contractor's remedial actions and keep IEC, EPD and ER informed of the results. 8. If exceedance stops, cease additional monitoring. 	<ol style="list-style-type: none"> 1. Discuss amongst ER, ET Leader and the Contractor on the potential remedial actions. 2. Review the Contractor's remedial actions whenever necessary to assure their effectiveness and advise ER accordingly. 3. Supervise the implementation of remedial measures. 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of exceedance in writing. 2. Notify the Contractor. 3. Require the Contractor to propose remedial measures for the analysed noise problem. 4. Ensure remedial measures are properly implemented. 5. If exceedance continues, consider what activity of the work is responsible and instruct the Contractor to stop that activity of work until the exceedance is abated. 	<ol style="list-style-type: none"> 1. Take immediate action to avoid further exceedance. 2. Submit proposals for remedial actions to IEC within 3 working days of notification. 3. Implement the agreed proposals. 4. Resubmit proposals if problem still not under control. 5. Stop the relevant activity of works as determined by the ER until the exceedance is abated.



Event and Action Plan for Water Quality for Construction Phase

Event	Action			
	ET Leader	IEC	ER	Contractor
Action Level				
Exceedance for one sample	<ol style="list-style-type: none"> 1. Repeat in-situ measurement to confirm finding; 2. Identify source(s) of impact; 3. Inform IEC and Contractor; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC and Contractor; and 6. Repeat measurement on next day of exceedance. 	<ol style="list-style-type: none"> 1. Discuss with ET and Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; and 3. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> 1. Discuss with IEC on the proposed mitigation measures; and 2. Make agreement on the mitigation measures to be implemented. 	<ol style="list-style-type: none"> 1. Inform the ER and confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Consider changes of working methods; 5. Discuss with ET and IEC and propose mitigation measures to IEC and ER; and 6. Implement the agreed mitigation measures.
Exceedance for two or more consecutive samples	<ol style="list-style-type: none"> 1. Repeat in-situ measurement to confirm finding; 2. Identify source(s) of impact; 3. Inform IEC and Contractor; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC and Contractor; 6. Ensure mitigation measures are implemented; 7. Prepare to increase the monitoring frequency to daily; and 8. Repeat measurement on next day of exceedance. 	<ol style="list-style-type: none"> 1. Discuss with ET and Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; and 3. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> 1. Discuss with IEC on the proposed mitigation measures; 2. Make agreement on the mitigation measures to be implemented; and 3. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> 1. Inform the Engineer and confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Consider changes of working methods; 5. Discuss with ET and IEC and propose mitigation measures to IEC and ER within 3 working days; and 6. Implement the agreed mitigation measures.



Event and Action Plan for Water Quality for Construction Phase

Event	Action			
	ET Leader	IEC	ER	Contractor
Limit Level				
Exceedance for one sample	<ol style="list-style-type: none"> 1. Repeat in-situ measurement to confirm finding; 2. Identify source(s) of impact; 3. Inform IEC, Contractor and EPD; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC, ER and Contractor; 6. Ensure mitigation measures are implemented; and 7. Increase the monitoring frequency to daily until no exceedance of Limit level. 	<ol style="list-style-type: none"> 1. Discuss with ET and Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; and 3. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> 1. Discuss with IEC, ET and Contractor on the proposed mitigation measures; and 2. Request Contractor to critically review the working methods; 3. Make agreement on the mitigation measures to be implemented; and 4. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> 1. Inform the Engineer and confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Consider changes of working methods; 5. Discuss with ET and IEC and ER and propose mitigation measures to IEC and ER within 3 working days; and 6. Implement the agreed mitigation measures.
Exceedance for two or more consecutive samples	<ol style="list-style-type: none"> 1. Repeat in-situ measurement to confirm finding; 2. Identify source(s) of impact; 3. Inform IEC, Contractor and EPD; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC, ER and Contractor; 6. Ensure mitigation measures are implemented; and 7. Increase the monitoring frequency to daily until no exceedance of Limit level for two consecutive days. 	<ol style="list-style-type: none"> 1. Discuss with ET and Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; and 3. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> 1. Discuss with IEC, ET and Contractor on the proposed mitigation measures; and 2. Request Contractor to critically review the working methods; 3. Make agreement on the mitigation measures to be implemented; 4. Assess the effectiveness of the implemented mitigation measures; and 5. Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the marine work until no exceedance of Limit Level. 	<ol style="list-style-type: none"> 1. Inform the ER and confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Consider changes of working methods; 5. Discuss with ET and IEC and ER and propose mitigation measures to IEC and ER within 3 working days; 6. Implement the agreed mitigation measures; and 7. As directed by the Engineer, to slow down or to stop all or part of the marine work or construction activities.



Appendix F

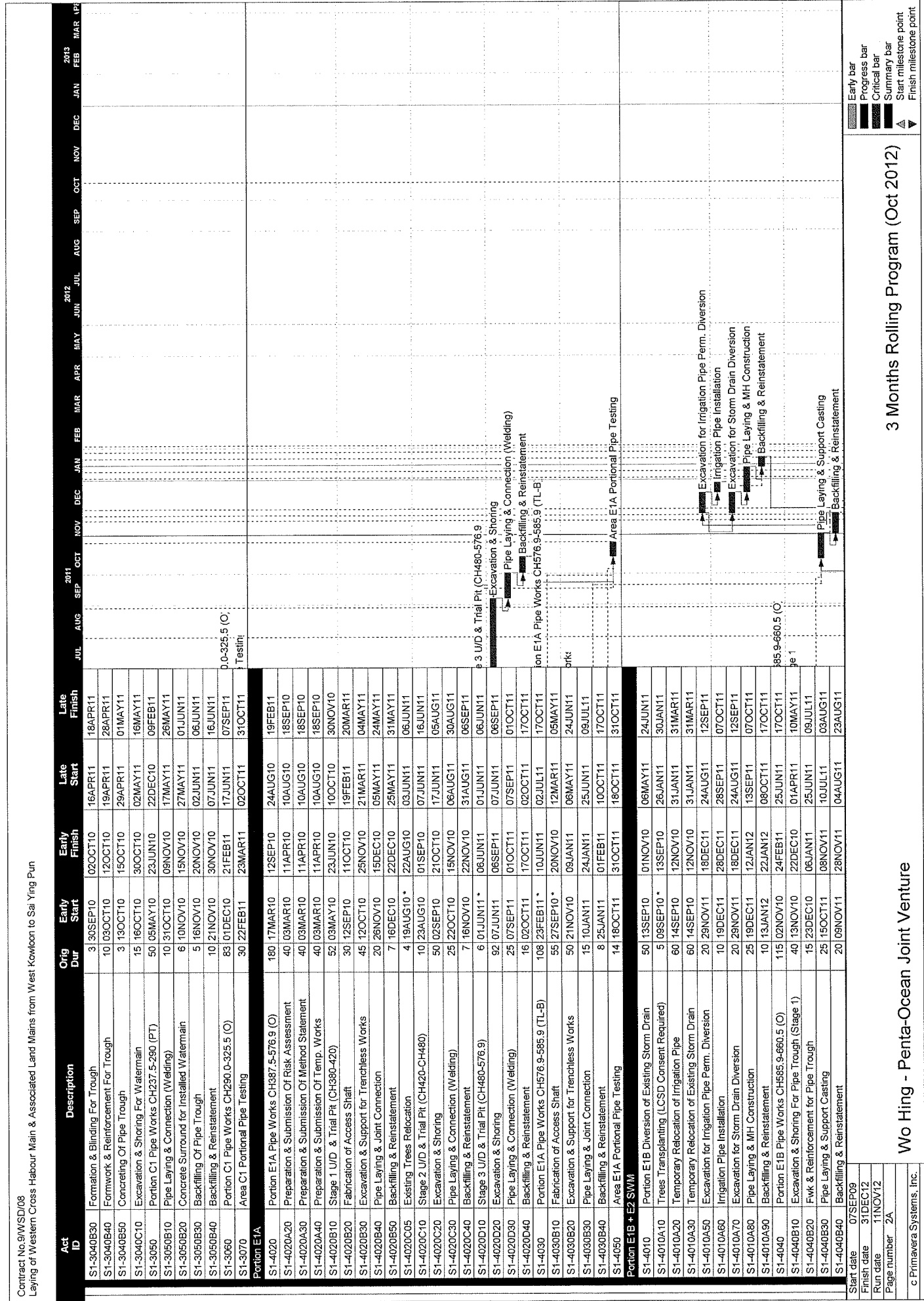
Work Programme

Act ID	Description	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	2012																			
							JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
General Information																										
		1212	07SEP09 A	31DEC12	07SEP09 A	31DEC12																				
Key Dates																										
KD-1010	Contract Commencement Date	0	07SEP09 A	31DEC12 *	07SEP09 A	31DEC12																				
KD-1020	Contract Completion	0	07SEP09 A	06NOV11	07SEP09 A	15DEC11																				
KD-1030	Works Period of Section 1 Works (791Days)	830	07SEP09 A	06NOV11	07SEP09 A	15DEC11																				
KD-1040	Works Period of Section 2 Works (428Days)	449	07SEP09 A	06NOV10	07SEP09 A	29NOV10																				
KD-1050	Works Period of Section 4 Works (549Days)	576	07SEP09 A	09MAR11	07SEP09 A	05APR11																				
KD-1060	Works Period of Section 5 Works (1156Days)	1212	07SEP09 A	31DEC12	07SEP09 A	05NOV12																				
Preliminaries																										
B1-1000	Mobilization	90	07SEP09 A	06DEC09 A	07SEP09 A	06DEC09 A																				
B1-1110	Site Office	60	16NOV09 A	16JAN10	16NOV09 A	16JAN10																				
B1-1120	Maintenance/Service of Preliminary Items	990	17JAN10	02OCT12	17JAN10	02OCT12																				
B1-1130	Clearance & Demobilisation	90	03OCT12	31DEC12	03OCT12	31DEC12																				
B1-1140	Environmental Monitoring	1100	28DEC09 A	30DEC12	28DEC09 A	31DEC12																				
B1-1150	Material Approval For Water Mains & Accessories	100	07SEP09 A	18FEB10	07SEP09 A	04JUL10																				
B1-1160	Material Procurement & Delivery Start	60	28DEC09 A	01FEB10	28DEC09 A	03JUN10																				
B1-1160B	Delivery of Valve, Actuators, Flow Meter & E&M	400	14JUN10	18JUL11 *	14JUN10	18JUL11 *																				
B1-1170	CCTV & Monitoring Of Existing DSD Drainage	610	18JAN10	19SEP11	15APR10	15DEC11																				
B1-1180	Monitoring of HYD Structure	610	06MAR10	05NOV11	15APR10	15DEC11																				
Section 1																										
		1212	07SEP09 A	31DEC12	03JAN09 A	31DEC12																				
Land Works																										
General																										
S1-1010	Approval & Consent - XP, TTA, MS & Temp Works.	180	07SEP09 A	05MAR10	07SEP09 A	26APR10																				
S1-1020	Trial Pit & Utilities Detection (Except E2 & K)	120	01DEC09 A	16MAR10	01DEC09 A	25APR10																				
S1-1030	Portion H2 Cycle Track & Footpath Proposal	40	07SEP09 A	08OCT09 A	07SEP09 A	08OCT09 A																				
S1-1040	Portion H2 Diversion Route For Cycle Track	60	07OCT09 A	28NOV09 A	07OCT09 A	28NOV09 A																				
S1-1050	Portion H2 Submission For Hearing Mural Design	90	07SEP09 A	17FEB10	07SEP09 A	01DEC12																				
S1-1060	Portion H2 Set Up For Hearing Approved Design	30	18FEB10	19MAR10	02DEC12	31DEC12																				
S1-1060B	Initial & Utilities Survey (Except E2 & K)	120	05OCT09 A	04MAR10	05OCT09 A	14APR10																				
S1-2010	Final Pipe Testing & Reinstatement	45	16FEB12	31MAR12	01NOV11	15DEC11																				
S1-2020	Completion of Section 1 Works	0		15DEC11 *		15DEC11 *																				
Portion C1																										
S1-3010	MTRCL Consent For Works Commencement	180	07SEP09 A	05MAR10	07SEP09 A	14APR10																				
S1-3020	MTRCL Structure Stability Monitoring	270	28MAY10	21FEB11	05JAN11	01OCT11																				
S1-3030	Portion C1 Pipe Works CH195.0-237.5 (O)	90	24JUN10	21SEP10	19MAR11	16JUN11																				
S1-3030A10	Preparation & Submission of Risk Assessment	40	22FEB10 *	02APR10	02NOV10	11DEC10																				
S1-3030A20	Preparation & Submission of Method Statement	40	22FEB10	02APR10	02NOV10	11DEC10																				
S1-3030A30	Preparation & Submission of Temp. Design	40	22FEB10	02APR10	02NOV10	11DEC10																				
S1-3030B10	Excavation & Shoring	80	28MAY10	15AUG10	01MAY11	01MAY11																				
S1-3030B20	Pipe Laying & Welding	50	17JUL10	04SEP10	31JAN11	21MAR11																				
S1-3030B30	Backfilling & Reinstatement	10	06SEP10	14SEP10	22MAR11	31MAR11																				
S1-3040A20	Portion C1 Trough Construction CH237.5-290.0	60	06MAR10	04MAY10	15APR10	13JUN10																				
S1-3040A30	Preparation & Submission Of Risk Assessment	28	17JUL10	13AUG10	15MAR11	11APR11																				
S1-3040A40	Preparation & Submission Of Method Statement	28	17JUL10	13AUG10	15MAR11	11APR11																				
S1-3040B10	Installation Of Settlement Marker	3	31JUL10	02AUG10	29MAR11	31MAR11																				
S1-3040B20	Excavation & Shoring For Pipe Trough (Stage 1)	15	15SEP10	29SEP10	01APR11	15APR11																				
Start date 07SEP09																										
Finish date 31DEC12																										
Run date 11NOV12																										
Page number 1A																										
c Primavera Systems, Inc.																										

3 Months Rolling Program (Oct 2012)

Legend:
 Early bar
 Progress bar
 Critical bar
 Summary bar
 Start milestone point
 Finish milestone point

Contract No. 9WSD/08
Laying of Western Cross Harbour Main & Associated Land Mains from West Kowloon to Sai Ying Pun



3 Months Rolling Program (Oct 2012)

Wo Hing - Penta-Ocean Joint Venture

© Primavera Systems, Inc.

Legend:
Early bar
Progress bar
Critical bar
Summary bar
Start milestone point
Finish milestone point

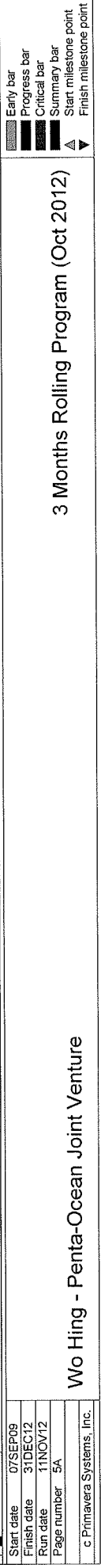
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S1-4750	Portion E1C DN800 SWM Works CH52.0-90.0 (O)	80	01FEB11	21APR11	30JUL11	17OCT11																							
S1-4750B10	Portion E1C DN800 SWM Works CH52.0-90.0 (UC)	80	05MAR11	23MAY11	30JUL11	17OCT11																							
S1-4760	Area E1C Portional Pipe Testing	14	22APR11	05MAY11	18OCT11	31OCT11																							
S1-4760B10	Area E1C Portional Pipe Testing	14	22MAY11	06JUN11	18OCT11	31OCT11																							
S1-5010	Portion E2 Marine Dept Advance Notice	90	07OCT09 A	20FEB10	07OCT09 A	20FEB10																							
S1-5020	WHTCL Consent For Works Within Tunnel Area	120	07SEP09 A	20FEB10	07SEP09 A	20FEB10																							
S1-5030	Chamber Modification - 180 Days of Tunnel E2	65	07JAN10 A	14MAR10 A	07JAN10 A	14MAR10 A																							
S1-5040	Portion E2 Trial Run	60	09NOV09 A	14NOV09 A	09NOV09 A	14NOV09 A																							
S1-5050	Portion E2 Trial Pit & Utilities Detection	15	21FEB10	07MAR10	21FEB10	07MAR10																							
S1-5060	Portion E2 Initial & Utilities Survey	15	21FEB10	07MAR10	21FEB10	07MAR10																							
S1-5070	Portion E2 Pipe Works CH698.5-752.5 (UC)	80	27MAR11	14JUN11	30JUN11	17SEP11																							
S1-5070B10	Portion E2 Pipe Works CH698.5-752.5 (UC)	80	15OCT11	02JAN12	30JUN11	17SEP11																							
S1-5080	Portion E2 Pipe Works CH752.5-790.5 (O)	30	16JUL11	14AUG11	18SEP11	17OCT11																							
S1-5080A	Portion E2 Pipe Works CH752.5-790.5 (O)	30	03JAN12	01FEB12	18SEP11	17OCT11																							
S1-5090	TL-C FWM Sleeve Jacking CH790.5-977.7 (A1-A3)	70	26JUL10	03OCT10	28SEP10	06DEC10																							
S1-5090A10	Preparation & Submission of Risk Assessment	60	06FEB10	06APR10	03SEP10	01NOV10																							
S1-5090A20	Preparation & Submission of Method Statement	60	06FEB10	06APR10	03SEP10	01NOV10																							
S1-5090A30	Preparation & Submission of Temp. Design	60	06FEB10	06APR10	03SEP10	01NOV10																							
S1-5090B10	Excavation & Shoring for Jacking Pit (A3)	40	07APR10	16MAY10	02NOV10	11DEC10																							
S1-5090B20	Jacking Pit Set-up (TL-C)	10	19AUG10	28AUG10	12DEC10	21DEC10																							
S1-5090C10	Sleeve Pipe Installation by Jacking	20	29AUG10	17SEP10	22DEC10	10JAN11																							
S1-5095	TL-C FWM Pipe Installation CH790.5-977.7	40	12MAY11	20JUN11	15JUL11	23AUG11																							
S1-5095B20	Pipe Laying & Connection	50	02DEC10	20JAN11	07MAR11	25APR11																							
S1-5095B30	Sleeve Pipe Grouting	10	21JAN11	30JAN11	26APR11	05MAY11																							
S1-5095B30	Backfilling & Remstatement	30	31JAN11	01MAR11	08MAY11	04JUN11																							
S1-5100	Portion E2 Pipe Works CH977.7-995.5 (O)	25	21JUN11	15JUL11	24AUG11	17SEP11																							
S1-5100A	Portion E2 Pipe Works CH977.7-995.5 (O)	25	02MAR11	26MAR11	05JUN11	23JUN11																							
S1-5110	TL-E SWM Sleeve Jacking CH90.0-225.5 (A1-A4)	120	04OCT10	31JAN11	07DEC10	09APR11																							
S1-5110A10	Preparation & Submission of Risk Assessment	60	06FEB10	06APR10	12MAY10	10JUL10																							
S1-5110A20	Preparation & Submission of Method Statement	60	06FEB10	06APR10	12MAY10	10JUL10																							
S1-5110A30	Preparation & Submission of Temp. Design	60	06FEB10	06APR10	12MAY10	10JUL10																							
S1-5110B10	Excavation & Shoring for Jacking Pit (A4)	50	07APR10	29MAY10	11JUL10	29AUG10																							
S1-5110B20	Jacking Pit Set-up (TL-E)	30	30MAY10	28JUN10	02SEP10	01OCT10																							
S1-5110B30	Excavation & Shoring for Receiving Pit (A1)	42	29JUN10	09AUG10	02OCT10	12NOV10																							
S1-5110C10	Sleeve Pipe Installation by Jacking	9	10AUG10	18AUG10	13NOV10	21NOV10																							
S1-5115	TL-E DN800 SWM Pipe Installation CH90.0-225.5	25	23MAR11	16APR11	26MAY11	19JUN11																							
S1-5115B10	Pipe Laying & Connection	30	08OCT10	06NOV10	11JAN11	09FEB11																							
S1-5115B20	Sleeve Pipe Grouting	10	07NOV10	16NOV10	10APR11	10APR11																							
S1-5115B30	Backfilling & Reinstatement of Jacking Pit	30	17NOV10	16DEC10	11APR11	10MAY11																							
S1-5120	Portion E2 DN800 SWM Works CH225.5-252.0 (O)	25	17APR11	11MAY11	20JUN11	14JUL11																							
S1-5120A	Portion E2 DN800 SWM Works CH225.5-252.0 (O)	25	17DEC10	10JAN11	11MAY11	14JUL11																							
S1-5130	TL-F SWM Sleeve Jacking CH252.0-432.0 (A1-A3)	142	06MAR10	25JUL10	06MAR10	25JUL10																							
S1-5130A10	Preparation & Submission of Risk Assessment	60	06FEB10	06APR10	08DEC10	05FEB11																							
S1-5130A20	Preparation & Submission of Method Statement	60	06FEB10	06APR10	08DEC10	05FEB11																							
S1-5130A30	Preparation & Submission of Temp. Design	60	06FEB10	06APR10	08DEC10	05FEB11																							
S1-5130B10	Jacking Pit (A3) Modification & Set-up (TL-F)	14	18SEP10	01OCT10	06FEB11	19FEB11																							
S1-5130C10	Sleeve Pipe Installation by Jacking	30	18SEP10	17OCT10	11JAN11	09FEB11																							
S1-5135	TL-F DN800 SWM Pipe Installation CH252.0-432.0	50	01FEB11	22MAR11	06APR11	25MAY11																							
S1-5135B10	Pipe Laying & Connection	25	07NOV10	01DEC10	10FEB11	09MAR11																							
S1-5135B20	Sleeve Pipe Grouting	10	02DEC10	11DEC10	09AUG11	18AUG11																							

Legend:
 Early bar [Solid Grey] Progress bar [Diagonal Grey] Critical bar [Red] Summary bar [Green]
 Start milestone point [Triangle] Finish milestone point [Triangle]

3 Months Rolling Program (Oct 2012)
 Start date: 07SEP09
 Finish date: 31DEC12
 Run date: 11NOV12
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Contract No. 9/WSD/08
Laying of Western Cross Harbour Main & Associated Land Mains from West Kowloon to Sai Ying Pun

Act ID	Description	Orig Dur	Early Start	Early Finish	Late Start	Late Finish
S1-5135B30	Backfilling & Reinstatement	30	12DEC10	10JAN11	19AUG11	17SEP11
S1-5140	Area E2 Portional Pipe Testing	14	02FEB12	15FEB12	18OCT11	31OCT11
S1-5140B10	Area E2 Portional Pipe Testing	14	01APR11	14APR11	18OCT11	31OCT11
Portion F						
S1-6010	Portion F Pipe Works CH995.5-1240.5 (O)	180	23NOV10	21MAY11	23NOV10	21MAY11
S1-6010B10	Stage 1 Excavation & Shoring CH1060-1240.5	100	24MAR10 *	01JUL10	02MAR11	09JUN11
S1-6010B20	Formation Trimming	10	02JUL10	11JUL10	10JUN11	19JUN11
S1-6010B30	Pipe Laying & Connection (Welding)	30	12JUL10	10AUG10	20JUN11	19JUL11
S1-6010B40	Backfilling & Reinstatement	50	11AUG10	29SEP10	20JUL11	07SEP11
S1-6010C10	Stage 2 Excavation & Shoring CH995.5-1060	40	02DEC10	10JAN11	08SEP11	17OCT11
S1-6020	Portion F DN800 SWM Works CH432.0-494.7 (O)	120	26JUL10	22NOV10	26JUL10	22NOV10
S1-6020A10	Portion F DN800 SWM Works CH432.0-494.7	120	12NOV10	11MAR11	20JUN11	17OCT11
S1-6030	Area F Portional Pipe Testing	14	22MAY11	04JUN11	18OCT11	31OCT11
Portion H1						
S1-7010	Portion H1 Temporary Assess Road	80	26DEC09 A	31JAN10	28DEC09 A	05MAR10
S1-7020	Portion H1 Pipe Works CH1466.5-1516.5 (O)	40	20JUL11	28AUG11	20JUL11	28AUG11
S1-7030	Portion H1 Pipe Works CH1516.5-1544.7 (O-S wall)	50	29AUG11	17OCT11	29AUG11	17OCT11
S1-7040	Area H1 Portional Pipe Testing	14	18OCT11	31OCT11	18OCT11	31OCT11
Portion J						
S1-8010	Portion J Pipe Works CH0.0-48.0 (O-S Wall)	40	29JUL11	06SEP11	06SEP11	17OCT11
S1-8020	Portion J Pipe Works CH48.0-339.0 (O)	300	02OCT10	28JUL11	12NOV10	07SEP11
S1-8020B10	Stage 1 Excavation & Shoring CH250-290 S1	55	22JUN10 *	15AUG10	29AUG10	22OCT10
S1-8020B20	Pipe Laying & Connection (Welding)	20	16AUG10	04SEP10	23OCT10	11NOV10
S1-8020B30	Associated Chamber Construction	30	05SEP10	04OCT10	12NOV10	11DEC10
S1-8020B40	Backfilling & Reinstatement	15	05OCT10	19OCT10	12DEC10	26DEC10
S1-8020B50	Stage 1 Excavation & Shoring CH250-290 S2	20	27FEB11	18MAR11	06MAY11	25MAY11
S1-8020B60	Associated Chamber Construction	30	19MAR11	17APR11	26MAY11	24JUN11
S1-8020B70	Backfilling & Reinstatement	15	18APR11	02MAY11	25JUN11	09JUL11
S1-8020C10	Stage 2 Excavation & Shoring CH180-250	55	20OCT10	13DEC10	27DEC10	19FEB11
S1-8020C20	Pipe Laying & Connection (Welding)	30	14DEC10	12JAN11	20FEB11	21MAR11
S1-8020C30	Associated Chamber Construction	30	13JAN11	11FEB11	22MAR11	20APR11
S1-8020C40	Backfilling & Reinstatement	15	12FEB11	28FEB11	21APR11	09MAY11
S1-8020D10	Stage 3 Excavation & Shoring CH140-180	35	11OCT10 *	14NOV10	10JUL11	13AUG11
S1-8020D20	Pipe Laying & Connection (Welding)	20	15NOV10	04DEC10	14AUG11	02SEP11
S1-8020D30	Associated Chamber Construction	30	05DEC10	03JAN11	03SEP11	02OCT11
S1-8020D40	Backfilling & Reinstatement	15	04JAN11	18JAN11	03OCT11	17OCT11
S1-8020E10	Stage 4 Excavation & Shoring CH48-CH140	50	03MAR11	21APR11	10JUL11	28AUG11
S1-8020E20	Pipe Laying & Connection (Welding)	20	22APR11	11MAY11	29AUG11	17SEP11
S1-8020E30	Associated Chamber Construction	20	12MAY11	31MAY11	18SEP11	07OCT11
S1-8020E40	Backfilling & Reinstatement	10	01JUN11	10JUN11	08OCT11	17OCT11
S1-8020F10	Stage 5 Excavation & Shoring CH290-340	50	23OCT11	11DEC11	10JUL11	28AUG11
S1-8020F20	Pipe Laying & Connection (Welding)	30	12DEC11	10JAN12	29AUG11	27SEP11
S1-8020F30	Backfilling & Reinstatement	20	11JAN12	30JAN12	28SEP11	17OCT11
S1-8030	Portion J Kiosk for RTU & Connect To SCADA	30	29OCT11	27AUG11	18SEP11	17OCT11
S1-8040	Portion J Pipe Works CH339.0-386.4 (TL-D)	209	17MAR10	11OCT10	27APR10	21NOV10
S1-8040A10	Preparation & Submission of Risk Assessment	28	03MAR10	30MAR10	28APR10	25MAY10
S1-8040A20	Preparation & Submission of Method Statement	28	03MAR10	30MAR10	28APR10	25MAY10
S1-8040A30	Preparation & Submission of Temp. Works	28	03MAR10	30MAR10	28APR10	25MAY10
S1-8040A40	Granting of Excavation Permit	0	01SEP10 *	01SEP10	19MAY10	19MAY10
S1-8040B10	TTA, UD & Trial Pit Excavation	90	08SEP10	06DEC10	26MAY10	23AUG10



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Start milestone point
Finish milestone point

Summary bar
Critical bar
Progress bar
Early bar

Page number 5A

Run date 11NOV12

Finish date 31DEC12

Start date 07SEP09

Act ID	Description	Orig Dur	2011		2012		2013	
			Early Start	Early Finish	Late Start	Late Finish	2011	2012
M2130	CP Test Box Installation (On Land)	60	28MAR11	28MAY11	02SEP11	31OCT11		
M2130A10	CP Test Box Installation (On Land)	60	11JUN11	09AUG11	17SEP11	15NOV11		
M2140	CIP Test (Close Internal Potential Survey)	16	16DEC12	31DEC12	30NOV11	15DEC11		
M2140A10	CIP Test (Close Internal Potential Survey)	30	10AUG11	06SEP11	16NOV11	15DEC11		
M2150	Completion of Section 1 Works	0		15DEC11*		15DEC11*		
Section 2								
		449	07SEP09 A	29NOV10	07SEP09 A	29NOV10		
Land Works								
S2-1010	Submission & Approval - XP, MS & Temp Works	180	07SEP09 A	28FEB10	07SEP09 A	05MAR10		
S2-1020	Initial & Utilities Survey	90	02JAN10 A	02JAN10 A	02JAN10 A	02JAN10 A		
S2-1030	Utilities Detection & Trial Pit	30	06DEC09 A	17JAN10	08DEC09 A	09FEB10		
S2-1040	Within 90 Days Commencement of Portion A	90	07SEP09 A	09DEC09 A	07SEP09 A	09DEC09 A		
S2-2010	Portion A Pipe Works CH20.0-88.5 (O)	150	27FEB10	26JUL10	06MAR10	02AUG10		
S2-2010B10	Excavation & Shoring	40	23FEB10*	03APR10	30MAR10	09MAY10		
S2-2010B20	Formation Trimming	10	04APR10	13APR10	09MAY10	18MAY10		
S2-2010B30	Pipe Laying & Connection (Welding)	15	14APR10	28APR10	19MAY10	02JUN10		
S2-2010B40	Construction of Chamber	75	29APR10	12JUL10	03JUN10	16AUG10		
S2-2010B50	Backfilling	5	13JUL10	17JUL10	17AUG10	21AUG10		
S2-2020	Portion A Kiosk For RTU & Connect To SCADA	30	27JUL10	25AUG10	01SEP10	30SEP10		
S2-2020A10	Portion A Kiosk For RTU & Connect To SCADA	30	18JUL10	16AUG10	22AUG10	20SEP10		
S2-2030	Portion A Pipe Trough Construction CH88.5-102	30	18JAN10	16FEB10	04FEB10	05MAR10		
S2-2030B10	Excavation & Shoring For Pipe Trough	40	20JAN10*	28FEB10	29MAY10	07JUL10		
S2-2030B20	Pipe Trough Concreting & Associated Works	10	01MAR10	10MAR10	08JUL10	17JUL10		
S2-2040	Portion A Pipe Works CH88.5-102 (PT)	30	17FEB10	18MAR10	03JUL10	01AUG10		
S2-2040B10	Pipe Laying & Connection (Welding)	5	14APR10	18APR10	18JUL10	22JUL10		
S2-2040B20	Construction of Saddle	5	19APR10	23APR10	23JUL10	27JUL10		
S2-2040B30	Backfilling	25	24APR10	18MAY10	28JUL10	21AUG10		
S2-2050	Portion A Pipe Works CH102.0-105.0 (O)	30	18APR10	17MAY10	01SEP10	30SEP10		
S2-2060	Pipe Testing & Reinstatement	60	26AUG10	24OCT10	29NOV10	29NOV10		
S2-2060A10	Pipe Testing & Reinstatement	70	17AUG10	25OCT10	21SEP10	29NOV10		
S2-3010	Completion of Section 2 Works	0		29NOV10*		29NOV10*		
Section 4								
		576	07SEP09 A	05APR11	07SEP09 A	05APR11		
Land Works								
S4-1010	Submission & Approval - TTA, MS & Temp Work	120	07SEP09 A	20FEB10	07SEP09 A	25JUN10		
S4-1020	Initial Surveying	90	07SEP09 A	31DEC09 A	07SEP09 A	31DEC09 A		
S4-1030	Utilities Detection & Trial Pit	20	16NOV09 A	15JAN10	16NOV09 A	20MAY10		
S4-2010	Portion C2 Pipe Works CH325.5-387.5 (O)	100	21OCT10	28JAN11	17NOV10	24FEB11		
S4-2010B10	Excavation & Shoring	50	29MAR10*	17MAY10	11APR10	30MAY10		
S4-2010B20	Formation Trimming	10	18MAY10	27MAY10	31MAY10	09JUN10		
S4-2010B30	Pipe Laying & Connection (Welding)	10	28MAY10	06JUN10	10JUN10	19JUN10		
S4-2010B40	Backfilling & Reinstatement	10	07JUN10	06JUL10	20JUN10	19JUL10		
S4-2010B50	Excavation for Wash-out Chamber at CH 386	10	14DEC10	23DEC10	27DEC10	05JAN11		
S4-2010B60	Wash-out chamber Construction	40	13JAN11	21FEB11	26JAN11	06MAR11		
S4-2010B90	C2 Portional Pipe Testing & Reinstatement	30	22FEB11	23MAR11	07MAR11	05APR11		
S4-2020	Portion G Pipe Works CH1240.5-1438.7 (O)	210	19JAN10	16AUG10	21MAY10	16DEC10		
S4-2020B10	Stage 1 Excavation & Shoring (CH1240.5-CH1370)	40	02MAR10*	10APR10	14MAR10	22APR10		
S4-2020B20	Formation Trimming	5	11APR10	15APR10	23APR10	27APR10		
S4-2020B30	Pipe Laying & Connection (Welding)	15	16APR10	30APR10	28APR10	12MAY10		
Start date 07SEP09								
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Contract No. 9/WSD/08
 Laying of Western Cross Harbour Main & Associated Land Mains from West Kowloon to Sai Ying Pun

Act ID	Description	Orig Dur	2010		2011		2012		2013															
			Early Start	Early Finish	Late Start	Late Finish	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR		
S4-2020B40	Backfilling & Reinstatement	10	01MAY10	10MAY10	13MAY10	22MAY10																		
S4-2020B50	Stage 2 Excavation & Shoring (CH1370-CH1438.7)	40	11MAY10	19JUN10	23MAY10	01JUL10																		
S4-2020B60	Formation Trimming	8	20JUN10	27JUN10	02JUL10	09JUL10																		
S4-2020B70	Pipe Laying & Connection	10	28JUN10	07JUL10	10JUL10	19JUL10																		
S4-2020B80	Chamber Construction	60	08JUL10	05SEP10	20JUL10	17SEP10																		
S4-2030	Portion G Kiosk for RTU & Connect To SCADA	110	06SEP10	24DEC10	17DEC10	05APR11																		
S4-2040	Portion G Pipe Works CH1438.7-1464.7(O)	45	06SEP10	20OCT10	03OCT10	16NOV10																		
S4-2050	Portion G Pipe Works CH1438.7 - 1464.7 (O)	80	06SEP10	24NOV10	18SEP10	06DEC10																		
S4-2050B10	Portion G Pipe Works CH1464.7-1466.5 (O)	65	21OCT10	24DEC10	22DEC10	24FEB11																		
S4-3010	Pipe Testing & Reinstatement	60	25NOV10	23JAN11	07DEC10	04FEB11																		
S4-3010A10	Portional Pipe Testing & Reinstatement	60	24JAN11	09MAR11	25FEB11	05APR11																		
S4-3020	Completion of Section 4 Works	0	05APR11*	24MAR11	05FEB11	05APR11																		
Section 5																								
Landscape Softworks and Establishment Works																								
B9-9010	Landscape works	846	07SEP09 A	28APR12	07SEP09 A	05NOV12																		
B9-9020	Reinstatement of Portion H1 & H2	203	16DEC11	05JUL12	12JUN12	31DEC12																		
B9-9030	Promenade of Portion H1 & H2 Handover to LCSD	0		05JUL12		31DEC12																		
B9-9300	Completion of Section 5 Works	0		05NOV12*		05NOV12*																		



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3 Months Rolling Program (Oct 2012)

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Appendix G

Post Project Marine Water Quality Monitoring Data

Mid-Flood Tide



Monitoring Station : C2

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)		Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)				
						Value	Average	Value	Average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average		
03/01/13	1255-1310	17/Fine	Surface	1.0	18.4	26.9	27.0	6.54	6.56	83.1	83.4	3.48	3.71	5.5	5.5	5.6	5.6		
				1.0	18.4	27.0		6.58		83.6		3.50		5.4					
			Middle	8.8	18.5	27.1	27.2	6.38	6.40	81.0	81.2	3.75		3.77				3.74	5.6
				8.8	18.5	27.2		6.41		81.4		3.73						5.6	
			Bottom	16.6	18.6	27.3	27.4	6.14	6.15	78.0	78.1	3.88		3.89				3.89	5.8
				16.6	18.6	27.4		6.16		78.2		3.90						5.8	
05/01/13	1417-1430	12/Fine	Surface	1.0	18.3	27.0	27.1	6.48	6.46	82.2	82.0	3.52	3.74	5.5	5.5	5.7	5.7		
				1.0	18.3	27.1		6.44		81.7		3.49		5.4					
			Middle	8.9	18.5	27.2	27.3	6.35	6.34	80.5	80.3	3.78		3.76				3.77	5.6
				8.9	18.5	27.3		6.32		80.1		3.76						5.8	
			Bottom	16.8	18.6	27.4	27.5	6.06	6.08	76.8	77.0	3.93		3.96				3.96	5.8
				16.8	18.6	27.5		6.09		77.2		3.98						5.8	
08/01/13	1642-1655	17/Fine	Surface	1.0	17.5	27.5	27.6	6.31	6.29	77.2	77.0	3.61	3.85	5.5	5.5	5.8	5.8		
				1.0	17.5	27.6		6.27		76.8		3.57		5.4					
			Middle	8.9	17.7	27.8	27.9	6.18	6.16	73.7	74.5	3.94		3.92				3.92	5.8
				8.9	17.7	27.9		6.14		75.2		3.90						5.8	
			Bottom	16.8	17.8	28.0	28.0	6.07	6.05	74.3	74.1	4.01		4.04				4.04	6.0
				16.8	17.8	28.0		6.03		73.8		4.07						6.0	
10/01/13	1815-1830	17/Fine	Surface	1.0	17.3	27.5	27.5	6.82	6.83	83.4	83.6	3.36	3.49	5.0	5.1	5.4	5.4		
				1.0	17.3	27.5		6.84		83.7		3.32		5.2					
			Middle	9.0	17.4	27.6	27.6	6.71	6.70	82.2	82.0	3.40		3.42				3.42	5.4
				9.0	17.4	27.5		6.68		81.7		3.43						5.4	
			Bottom	17.0	17.5	27.7	27.7	6.58	6.56	80.6	80.3	3.70		3.73				3.73	5.6
				17.0	17.5	27.7		6.54		80.0		3.75						5.6	
12/01/13	1047-1100	15/Cloudy	Surface	1.0	17.3	27.2	27.3	6.85	6.87	83.9	84.2	3.42	3.62	5.5	5.5	5.6	5.6		
				1.0	17.3	27.3		6.89		84.4		3.48		5.4					
			Middle	8.9	17.3	27.5	27.5	6.79	6.78	83.2	83.0	3.58		3.61				3.61	5.4
				8.9	17.3	27.4		6.76		82.8		3.63						5.6	
			Bottom	16.8	17.4	27.6	27.6	6.66	6.64	81.6	81.3	3.84		3.82				3.82	5.6
				16.8	17.4	27.6		6.61		81.0		3.79						5.8	
15/01/13	1134-1146	15/Fine	Surface	1.0	17.3	27.3	27.3	7.14	7.16	87.4	87.7	3.93	3.92	6.0	5.9	5.9	5.9		
				1.0	17.3	27.2		7.18		87.9		3.88		5.8					
			Middle	8.7	17.5	27.4	27.4	6.98	6.96	85.5	85.3	3.82		3.80				3.80	5.8
				8.7	17.5	27.3		6.94		85.0		3.77						5.6	
			Bottom	16.4	17.5	27.5	27.5	6.90	6.92	84.5	84.7	4.04		4.07				4.07	6.0
				16.4	17.5	27.4		6.93		84.8		4.09						6.0	
17/01/13	1325-1338	19/Fine	Surface	1.0	17.4	26.8	26.9	7.41	7.39	90.4	90.2	2.96	3.16	5.0	5.0	5.2	5.2		
				1.0	17.4	26.9		7.37		89.9		3.00		5.0					
			Middle	8.9	17.3	27.1	27.1	7.26	7.24	88.5	88.3	3.15		3.18				3.18	5.2
				8.9	17.3	27.1		7.22		88.1		3.21						5.2	
			Bottom	16.8	17.3	27.3	27.3	7.03	7.06	85.7	86.1	3.30		3.33				3.33	5.4
				16.8	17.3	27.3		7.09		86.4		3.35						5.4	
19/01/13	1439-1452	14/Cloudy	Surface	1.0	17.2	27.2	27.2	7.60	7.62	92.8	93.1	3.51	3.86	5.0	5.1	5.4	5.4		
				1.0	17.2	27.2		7.64		93.3		3.57		5.2					
			Middle	8.7	17.3	27.3	27.4	7.37	7.39	90.0	90.2	3.95		3.97				3.97	5.4
				8.7	17.3	27.4		7.40		90.4		3.99						5.4	
			Bottom	16.4	17.4	27.4	27.4	7.21	7.23	88.1	88.3	4.10		4.08				4.08	5.6
				16.4	17.4	27.4		7.24		88.4		4.05						5.6	
22/01/13	1325-1338	19/Fine	Surface	1.0	17.7	27.2	27.3	7.60	7.58	92.6	92.3	3.05	3.29	5.0	5.0	5.2	5.2		
				1.0	17.7	27.3		7.55		92.0		3.10		5.0					
			Middle	8.9	17.7	27.4	27.4	7.44	7.42	90.7	90.5	3.25		3.28				3.28	5.2
				8.9	17.7	27.4		7.40		90.2		3.31						5.2	
			Bottom	16.8	17.8	27.5	27.6	7.27	7.29	88.6	88.8	3.48		3.51				3.51	5.4
				16.8	17.8	27.6		7.30		89.0		3.54						5.4	
24/01/13	1717-1730	21/Fine	Surface	1.0	17.7	27.2	27.3	7.52	7.54	91.7	92.0	3.19	3.35	5.0	5.1	5.3	5.3		
				1.0	17.7	27.3		7.56		92.2		3.24		5.2					
			Middle	9.1	17.8	27.4	27.4	7.49	7.48	91.4	91.2	3.37		3.36				3.36	5.4
				9.1	17.8	27.3		7.46		91.0		3.35						5.2	
			Bottom	17.2	17.9	27.5	27.5	7.29	7.31	89.0	89.3	3.51		3.49				3.49	5.4
				17.2	17.9	27.5		7.33		89.5		3.46						5.4	
26/01/13	1830-1843	18/Fine	Surface	1.0	17.7	27.3	27.4	7.80	7.82	95.1	95.4	3.59	3.84	5.5	5.5	5.8	5.8		
				1.0	17.7	27.4		7.84		95.6		3.51		5.4					
			Middle	8.9	17.8	27.6	27.6	7.60	7.59	92.7	92.5	3.90		3.93				3.93	5.8
				8.9	17.8	27.6		7.57		92.3		3.96						5.8	
			Bottom	16.8	17.9	27.7	27.7	7.49	7.47	91.3	91.1	4.08		4.05				4.05	6.0
				16.8	17.9	27.7		7.45		90.8		4.01						6.0	
29/01/13	1042-1100	18/Fine	Surface	1.0	17.5	27.2	27.2	7.78	7.76	94.8	94.6	3.30	3.51	5.0	5.1	5.4	5.4		
				1.0	17.5	27.1		7.74		94.4		3.33		5.2					
			Middle	9.0	17.6	27.3	27.3	7.60	7.59	92.6	92.5	3.50		3.53				3.53	5.4
				9.0	17.6	27.3		7.57		92.3		3.56						5.6	
			Bottom	17.0	17.7	27.4	27.5	7.43	7.41	90.6	90.4	3.66		3.68				3.68	5.6
				17.0	17.7	27.5		7.39		90.1		3.69						5.8	

Mid-Flood Tide



Monitoring Station : C4

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)		Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
03/01/13	1236-1251	17/Fine	Surface	1.0	18.3	26.8	26.9	6.56	6.57	83.3	83.4	3.46	3.44	3.70	5.4	5.4	5.6
				18.4		27.0		6.34		80.5		3.76			5.6		
			Middle	9.2	27.1	6.37	80.9	3.72	5.6								
				17.4	18.5	27.2	27.3	6.19	6.19	78.6	3.94	5.8					
			Bottom	27.3	6.18	78.5	3.91	6.0									
				27.0	6.46	81.9	3.45	5.4									
05/01/13	1400-1413	12/Fine	Surface	1.0	18.2	27.1	27.1	6.49	6.48	82.3	82.1	3.50	3.48	3.75	5.4	5.4	5.7
				18.4		27.1		6.34		80.4		3.77			5.6		
			Middle	9.3	27.2	6.30	79.9	3.74	5.6								
				17.6	18.6	27.3	27.4	6.17	6.15	78.2	4.00	6.0					
			Bottom	27.4	6.13	77.7	4.04	6.0									
				27.0	6.46	81.9	3.45	5.4									
08/01/13	1623-1636	17/Fine	Surface	1.0	17.5	27.6	27.6	6.42	6.40	78.7	78.5	3.44	3.42	3.66	5.4	5.4	5.6
				17.7		27.8		6.38		78.2		3.39			5.8		
			Middle	9.3	27.7	6.22	6.20	76.1	75.9	3.82	3.80	5.6					
				17.6	17.8	27.9	28.0	6.16	6.15	75.4	3.79	5.8					
			Bottom	28.0	6.13	75.0	3.75	5.5									
				27.4	6.95	85.0	3.53	5.4									
10/01/13	1800-1812	17/Fine	Surface	1.0	17.3	27.4	27.4	6.98	6.97	85.4	85.2	3.49	3.51	3.62	5.4	5.4	5.6
				17.4		27.5		6.84		83.7		3.58			5.6		
			Middle	9.3	27.6	6.80	6.82	83.3	83.5	3.61	3.60	5.6					
				17.6	17.6	27.7	27.8	6.63	6.62	81.2	3.77	5.8					
			Bottom	27.8	6.60	80.8	3.72	5.5									
				27.2	6.86	84.1	3.47	5.4									
12/01/13	1030-1043	15/Cloudy	Surface	1.0	17.3	27.2	27.2	6.81	6.84	83.4	83.8	3.51	3.49	3.67	5.4	5.4	5.6
				17.3		27.4		6.73		82.5		3.64			5.6		
			Middle	9.2	27.4	6.70	6.72	82.1	82.3	3.70	3.67	5.6					
				17.4	17.3	27.6	27.7	6.57	6.56	80.5	3.83	5.8					
			Bottom	27.7	6.55	80.3	3.88	6.0									
				27.4	7.10	86.9	3.88	5.8									
15/01/13	1115-1127	15/Fine	Surface	1.0	17.3	27.3	27.4	7.08	7.09	86.6	86.8	3.93	3.91	3.88	5.8	5.8	5.9
				17.4		27.5		6.86		84.0		3.77			6.2		
			Middle	9.4	27.5	6.83	6.85	83.6	83.8	3.82	3.80	5.8					
				16.8	17.5	27.5	27.5	6.78	6.76	82.9	3.96	5.8					
			Bottom	27.5	6.74	82.4	3.92	6.0									
				26.9	7.44	90.7	2.88	4.8									
17/01/13	1307-1320	19/Fine	Surface	1.0	17.4	26.9	26.9	7.40	7.42	90.2	90.5	2.94	2.91	3.12	4.8	4.8	5.0
				17.3		27.1		7.33		89.4		3.12			5.0		
			Middle	9.2	27.2	7.28	7.31	88.8	89.1	3.16	3.14	5.2					
				17.4	17.3	27.3	27.4	7.12	7.09	86.8	3.34	5.4					
			Bottom	27.4	7.06	86.1	3.29	5.0									
				27.2	7.57	92.5	3.35	5.2									
19/01/13	1421-1433	14/Cloudy	Surface	1.0	17.2	27.2	27.2	7.54	7.56	92.1	92.3	3.39	3.37	3.78	5.2	5.2	5.4
				17.3		27.3		7.40		90.4		3.94			5.4		
			Middle	9.3	27.2	7.43	7.42	90.7	90.6	3.90	3.92	5.4					
				17.6	17.4	27.4	27.4	7.29	7.31	89.0	4.02	5.6					
			Bottom	27.3	7.33	89.5	4.07	5.5									
				27.2	7.58	92.4	3.09	5.0									
22/01/13	1307-1320	19/Fine	Surface	1.0	17.6	27.3	27.3	7.52	7.55	91.7	92.1	3.14	3.12	3.27	5.2	5.1	5.3
				17.7		27.4		7.44		90.7		3.32			5.2		
			Middle	9.2	27.5	7.46	7.45	90.9	90.8	3.28	3.30	5.2					
				17.4	17.8	27.5	27.6	7.30	7.32	89.0	3.42	5.4					
			Bottom	27.6	7.33	89.3	3.39	5.5									
				27.4	7.51	91.9	3.26	5.2									
24/01/13	1659-1714	21/Fine	Surface	1.0	17.8	27.3	27.3	7.51	7.53	91.6	91.8	3.29	3.28	3.41	5.2	5.2	5.4
				17.8		27.4		7.39		90.1		3.40			5.4		
			Middle	9.0	27.3	7.35	7.37	89.7	89.9	3.43	3.42	5.4					
				17.0	17.9	27.4	27.5	7.27	7.25	88.7	3.50	5.6					
			Bottom	27.5	7.23	88.3	3.55	5.5									
				27.4	7.78	94.9	3.49	5.4									
26/01/13	1812-1824	18/Fine	Surface	1.0	17.7	27.4	27.5	7.74	7.76	94.4	94.7	3.41	3.45	3.84	5.4	5.4	5.8
				17.8		27.5		7.53		91.8		3.94			5.8		
			Middle	9.3	27.4	7.50	7.52	91.4	91.6	3.89	3.92	5.8					
				17.6	17.9	27.7	27.7	7.38	7.36	90.0	4.12	6.2					
			Bottom	27.7	7.34	89.5	4.16	6.0									
				27.2	7.72	94.1	3.23	5.2									
29/01/13	1020-1033	18/Fine	Surface	1.0	17.5	27.3	27.3	7.75	7.74	94.5	94.3	3.27	3.25	3.48	5.2	5.2	5.4
				17.6		27.4		7.53		91.8		3.49			5.4		
			Middle	9.3	27.5	7.49	7.51	91.3	91.6	3.52	3.51	5.4					
				17.6	17.7	27.6	27.6	7.30	7.32	89.0	3.70	5.6					
			Bottom	27.6	7.34	89.5	3.67	5.5									
				27.0	6.46	81.9	3.45	5.4									

Mid-Flood Tide

Monitoring Station : R5

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)		Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)			
						Value	Average	Value	Average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average	
03/01/13	1037-1052	17/Fine	Surface	1.0	18.3	26.8	26.9	6.55	6.57	83.2	83.4	3.38	3.37	3.68	5.5	5.5	5.6	
						26.9		6.58		83.6		3.36			5.4			
			Middle	8.7	18.4	27.0	27.1	6.36	6.35	80.8	80.6	3.73	3.71		3.72	5.6		5.6
						27.1		6.33		80.4		3.71			5.6			
			Bottom	16.4	18.5	27.2	27.3	6.13	6.15	77.9	78.2	3.97	3.93		3.95	5.8		5.8
						27.3		6.17		78.4		3.93			5.8			
05/01/13	1209-1223	12/Fine	Surface	1.0	18.2	27.0	27.1	6.50	6.48	82.4	82.2	3.42	3.44	3.75	5.5	5.5	5.8	
						27.1		6.46		81.9		3.46			5.4			
			Middle	8.9	18.3	27.1	27.2	6.34	6.33	80.4	80.2	3.82	3.85		3.84	5.8		5.8
						27.2		6.31		80.0		3.85			5.8			
			Bottom	16.8	18.4	27.3	27.4	6.14	6.12	77.9	77.6	4.00	3.96		3.98	6.0		6.0
						27.4		6.10		77.3		3.96			6.0			
08/01/13	1434-1448	17/Fine	Surface	1.0	17.5	27.5	27.5	6.45	6.47	79.0	79.2	3.72	3.70	3.88	5.5	5.6	5.8	
						27.4		6.48		79.4		3.68			5.6			
			Middle	8.9	17.6	27.7	27.7	6.12	6.14	74.9	75.1	3.91	3.88		3.90	5.8		5.8
						27.7		6.15		75.3		3.88			5.8			
			Bottom	16.8	17.8	27.9	27.9	6.03	6.05	73.8	74.0	4.08	4.02		4.05	6.0		6.0
						27.9		6.06		74.2		4.02			6.0			
10/01/13	1609-1626	17/Fine	Surface	1.0	17.4	27.3	27.4	6.81	6.83	83.3	83.6	3.64	3.62	3.84	5.5	5.6	5.8	
						27.4		6.85		83.8		3.60			5.6			
			Middle	9.6	17.6	27.5	27.6	6.70	6.68	82.0	81.8	3.84	3.88		3.86	5.8		5.8
						27.6		6.66		81.5		3.88			5.8			
			Bottom	18.2	17.7	27.7	27.8	6.57	6.55	80.5	80.3	4.05	4.01		4.03	6.0		6.0
						27.8		6.53		80.0		4.01			6.0			
12/01/13	0849-0902	14/Cloudy	Surface	1.0	17.2	27.3	27.3	6.84	6.86	83.8	84.1	3.60	3.64	3.80	5.5	5.6	5.7	
						27.3		6.88		84.3		3.67			5.6			
			Middle	8.9	17.2	27.4	27.5	6.77	6.76	83.0	82.9	3.74	3.80		3.77	5.8		5.7
						27.5		6.75		82.7		3.80			5.8			
			Bottom	16.8	17.3	27.6	27.7	6.70	6.69	82.1	81.9	4.01	3.96		3.99	6.0		5.9
						27.7		6.67		81.7		3.96			5.8			
15/01/13	0935-0946	15/Fine	Surface	1.0	17.2	27.3	27.3	7.15	7.13	87.5	87.3	3.82	3.80	3.91	6.0	5.9	5.9	
						27.2		7.11		87.0		3.78			5.8			
			Middle	6.3	17.3	27.4	27.4	6.85	6.87	83.9	84.1	3.87	3.91		3.89	5.8		5.9
						27.4		6.88		84.2		3.91			6.0			
			Bottom	11.6	17.4	27.5	27.5	6.90	6.92	84.5	84.8	4.06	4.01		4.04	6.0		5.9
						27.5		6.94		85.0		4.01			5.9			
17/01/13	1112-1125	18/Fine	Surface	1.0	17.3	26.7	26.8	7.25	7.23	88.4	88.2	3.24	3.27	3.42	5.0	5.1	5.4	
						26.8		7.21		87.9		3.29			5.2			
			Middle	8.7	17.3	27.0	27.0	7.14	7.11	87.1	86.7	3.37	3.41		3.39	5.4		5.4
						26.9		7.08		86.3		3.41			5.4			
			Bottom	16.4	17.3	27.2	27.2	6.96	6.99	84.9	85.2	3.58	3.62		3.60	5.6		5.6
						27.2		7.01		85.5		3.62			5.6			
19/01/13	1233-1244	14/Cloudy	Surface	1.0	17.1	27.1	27.1	7.58	7.57	92.6	92.5	3.27	3.30	3.66	5.5	5.6	5.7	
						27.1		7.56		92.3		3.33			5.6			
			Middle	8.7	17.3	27.3	27.3	7.25	7.27	88.5	88.8	3.72	3.75		3.74	5.8		5.7
						27.2		7.29		89.0		3.75			5.8			
			Bottom	16.4	17.3	27.3	27.4	7.19	7.17	87.8	87.6	3.90	3.98		3.94	6.0		5.9
						27.4		7.15		87.3		3.98			5.9			
22/01/13	1112-1125	19/Fine	Surface	1.0	17.6	27.1	27.2	7.60	7.59	92.6	92.5	3.19	3.22	3.57	5.0	5.1	5.5	
						27.2		7.58		92.4		3.25			5.2			
			Middle	8.8	17.7	27.3	27.4	7.27	7.29	88.6	88.9	3.62	3.65		3.64	5.6		5.6
						27.4		7.31		89.1		3.65			5.6			
			Bottom	16.6	17.8	27.4	27.5	7.24	7.21	88.3	87.9	3.80	3.88		3.84	5.8		5.8
						27.5		7.17		87.4		3.88			5.8			
24/01/13	1500-1516	21/Fine	Surface	1.0	17.7	27.2	27.2	7.98	7.96	97.3	97.1	3.65	3.63	3.80	5.5	5.6	5.8	
						27.2		7.94		96.8		3.61			5.6			
			Middle	8.9	17.8	27.3	27.3	7.81	7.83	95.3	95.6	3.82	3.87		3.85	5.8		5.8
						27.3		7.85		95.8		3.87			5.8			
			Bottom	16.8	17.9	27.4	27.4	7.59	7.61	92.6	92.9	3.91	3.95		3.93	6.0		5.9
						27.4		7.63		93.1		3.95			6.0			
26/01/13	1628-1640	18/Fine	Surface	1.0	17.7	27.3	27.3	7.77	7.76	94.7	94.6	3.93	3.96	4.05	6.0	5.9	6.0	
						27.3		7.74		94.4		3.98			5.8			
			Middle	8.9	17.8	27.5	27.5	7.42	7.44	90.5	90.7	4.04	4.09		4.07	6.0		6.0
						27.5		7.45		90.8		4.09			6.0			
			Bottom	16.8	17.9	27.6	27.6	7.31	7.33	89.1	89.3	4.15	4.10		4.13	6.2		6.2
						27.5		7.34		89.5		4.10			6.2			
29/01/13	0828-0840	16/Fine	Surface	1.0	17.4	27.4	27.4	7.66	7.68	93.4	93.7	3.43	3.45	3.51	5.5	5.5	5.5	
						27.3		7.70		93.9		3.47			5.4			
			Middle	9.0	17.6	27.5	27.5	7.56	7.54	92.2	92.0	3.38	3.40		3.39	5.2		5.3
						27.5		7.52		91.7		3.40			5.2			
			Bottom	17.0	17.8	27.6	27.7	7.44	7.43	90.7	90.5	3.66	3.70		3.68	5.6		5.6
						27.7		7.41		90.3		3.70			5.6			

Monitoring Station : R7

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)	Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)		Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)						
					Value	Average	Value	Average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average				
03/01/13	1156-1211	17/Fine	Surface	1.0	18.3	27.0	27.1	6.48	6.50	82.3	82.5	3.44	3.42	3.70	5.4	5.4	5.7			
						27.1		6.51		82.7		3.40			5.4					
			Middle	9.0	18.5	27.2	27.3	6.40	6.42	81.3	81.5	81.7	81.5		3.72	3.72		5.6	5.6	5.6
						27.3		6.43		81.7		3.71			5.6					
			Bottom	17.0	18.6	27.4	27.5	6.15	6.16	78.1	78.3	78.4	78.3		3.95	3.96		6.0	6.0	6.0
						27.5		6.17		78.4		3.96			6.0					
05/01/13	1326-1340	12/Fine	Surface	1.0	18.3	27.0	27.1	6.43	6.42	81.5	81.4	3.46	3.48	3.76	5.4	5.4	5.7			
						27.1		6.40		81.2		3.49			5.4					
			Middle	9.1	18.5	27.2	27.3	6.36	6.34	80.6	80.3	80.0	80.3		3.77	3.79		5.6	5.7	5.8
						27.3		6.31		80.0		3.81			5.8					
			Bottom	17.2	18.5	27.4	27.5	6.18	6.17	78.4	78.2	78.0	78.2		4.02	4.01		6.0	6.0	6.0
						27.5		6.15		78.0		3.99			6.0					
08/01/13	1558-1609	17/Fine	Surface	1.0	17.5	27.5	27.5	6.64	6.62	81.4	81.2	3.89	3.88	4.03	5.8	5.8	6.0			
						27.4		6.60		80.9		3.87			5.8					
			Middle	9.3	17.6	27.8	27.8	6.34	6.32	77.7	77.5	77.2	77.5		3.98	3.96		6.0	5.9	5.8
						27.8		6.30		77.2		3.94			5.8					
			Bottom	17.6	17.8	28.0	28.0	6.20	6.22	75.9	76.1	76.3	76.1		4.22	4.24		6.2	6.3	6.4
						28.0		6.23		76.3		4.25			6.4					
10/01/13	1727-1741	17/Fine	Surface	1.0	17.4	27.4	27.4	6.75	6.77	82.6	82.9	3.45	3.44	3.61	5.4	5.4	5.6			
						27.3		6.79		83.1		3.42			5.4					
			Middle	9.3	17.6	27.5	27.6	6.71	6.69	82.1	81.9	81.7	81.9		3.60	3.63		5.6	5.6	5.6
						27.6		6.67		81.7		3.66			5.6					
			Bottom	17.6	17.7	27.7	27.8	6.62	6.60	81.0	80.8	80.5	80.8		3.74	3.76		5.6	5.7	5.8
						27.8		6.57		80.5		3.78			5.8					
12/01/13	0957-1010	14/Cloudy	Surface	1.0	17.3	27.2	27.3	6.91	6.89	84.7	84.5	3.58	3.60	3.77	5.4	5.5	5.7			
						27.3		6.87		84.2		3.62			5.6					
			Middle	9.3	17.3	27.4	27.5	6.79	6.81	83.2	83.4	83.6	83.4		3.81	3.79		5.6	5.7	5.8
						27.5		6.82		83.6		3.77			5.8					
			Bottom	17.6	17.3	27.6	27.7	6.63	6.62	81.2	81.1	80.9	81.1		3.90	3.93		5.8	5.8	5.8
						27.7		6.60		80.9		3.96			5.8					
15/01/13	1040-1052	15/Fine	Surface	1.0	17.2	27.3	27.3	6.98	6.96	85.5	85.3	3.90	3.93	4.05	5.8	5.8	6.0			
						27.2		6.94		85.0		3.96			5.8					
			Middle	7.2	17.3	27.2	27.2	6.88	6.87	84.2	84.1	83.9	84.1		4.10	4.06		6.0	6.0	6.0
						27.2		6.85		83.9		4.02			6.0					
			Bottom	13.4	17.4	27.5	27.5	6.76	6.75	82.7	82.5	82.3	82.5		4.17	4.15		6.2	6.2	6.2
						27.5		6.73		82.3		4.12			6.2					
17/01/13	1228-1243	18/Fine	Surface	1.0	17.3	26.9	26.9	7.32	7.30	89.3	89.0	3.08	3.11	3.25	5.0	5.0	5.2			
						26.9		7.27		88.7		3.14			5.0					
			Middle	9.1	17.3	27.1	27.1	7.20	7.19	87.8	87.7	87.5	87.7		3.22	3.25		5.2	5.2	5.2
						27.0		7.18		87.5		3.27			5.2					
			Bottom	17.2	17.4	27.2	27.3	7.08	7.10	86.3	86.6	86.8	86.6		3.38	3.40		5.4	5.5	5.6
						27.3		7.12		86.8		3.42			5.6					
19/01/13	1345-1358	14/Cloudy	Surface	1.0	17.2	27.2	27.2	7.42	7.44	90.6	90.8	3.38	3.41	3.74	5.2	5.2	5.5			
						27.2		7.45		91.0		3.44			5.2					
			Middle	8.9	17.3	27.3	27.3	7.30	7.29	89.2	89.0	88.8	89.0		3.72	3.76		5.4	5.5	5.6
						27.2		7.27		88.8		3.80			5.6					
			Bottom	16.8	17.3	27.4	27.4	7.21	7.23	88.1	88.3	88.4	88.3		4.01	4.05		5.8	5.8	5.8
						27.3		7.24		88.4		4.08			5.8					
22/01/13	1228-1243	19/Fine	Surface	1.0	17.7	27.2	27.3	7.49	7.51	91.3	91.5	3.28	3.31	3.64	5.2	5.2	5.6			
						27.3		7.52		91.7		3.34			5.2					
			Middle	9.1	17.7	27.4	27.5	7.37	7.36	89.8	89.7	89.5	89.7		3.62	3.66		5.6	5.6	5.6
						27.5		7.34		89.5		3.70			5.6					
			Bottom	17.2	17.8	27.6	27.6	7.28	7.30	88.7	88.9	89.1	88.9		3.91	3.95		5.8	5.9	6.0
						27.6		7.31		89.1		3.98			6.0					
24/01/13	1617-1633	21/Fine	Surface	1.0	17.8	27.2	27.2	7.86	7.85	95.9	95.7	3.23	3.22	3.52	5.2	5.2	5.5			
						27.2		7.83		95.5		3.20			5.2					
			Middle	9.0	17.8	27.3	27.3	7.75	7.73	94.6	94.4	94.1	94.4		3.41	3.44		5.4	5.4	5.4
						27.3		7.71		94.1		3.46			5.4					
			Bottom	17.0	17.9	27.4	27.4	7.58	7.57	92.5	92.4	92.2	92.4		3.88	3.91		5.8	5.8	5.8
						27.4		7.55		92.2		3.93			5.8					
26/01/13	1738-1749	18/Fine	Surface	1.0	17.7	27.4	27.4	7.66	7.65	93.4	93.2	3.85	3.88	4.03	5.8	5.8	6.0			
						27.4		7.63		93.0		3.90			5.8					
			Middle	9.1	17.8	27.5	27.5	7.41	7.39	90.4	90.2	89.9	90.2		4.04	4.06		6.0	6.0	6.0
						27.4		7.37		89.9		4.08			6.0					
			Bottom	17.2	17.9	27.7	27.7	7.36	7.35	89.7	89.6	89.4	89.6		4.18	4.15		6.2	6.2	6.2
						27.6		7.34		89.4		4.12			6.2					
29/01/13	0942-0954	16/Fine	Surface	1.0	17.5	27.3	27.3	7.71	7.69	94.0	93.8	3.33	3.35	3.50	5.2	5.3	5.4			
						27.3		7.67		93.5		3.36			5.4					
			Middle	9.2	17.7	27.4	27.5	7.54	7.53	91.9	91.8	91.6	91.8		3.47	3.49		5.4	5.4	5.4
						27.5		7.52		91.6		3.51			5.4					
			Bottom	17.4	17.8	27.7	27.7	7.41	7.40	90.3	90.2	90.0	90.2		3.65	3.67		5.6	5.6	5.6
						27.6		7.38		90.0		3.69			5.6					

Mid-Flood Tide

Monitoring Station : R8a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)		Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)				
						Value	Average	Value	Average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average		
03/01/13	1215-1230	17/Fine	Surface	1.0	18.2	26.9	27.0	6.55	6.54	83.2	83.0	3.50	3.49	3.75	5.4	5.5	5.7		
						27.0		6.52		82.8		3.48			5.5				
			Middle	7.2	18.4	27.1	27.2	6.32	6.34	80.3	80.6	3.79	3.84		3.79	3.82		5.5	5.7
						27.2		6.36		80.8		3.84			5.8				
			Bottom	13.4	18.5	27.3	27.4	6.15	6.16	78.1	78.3	3.92	3.95		3.92	3.95		5.8	5.9
						27.4		6.17		78.4		3.98			6.0				
05/01/13	1345-1356	12/Fine	Surface	1.0	18.3	27.1	27.2	6.41	6.43	81.3	81.6	3.56	3.58	3.84	5.4	5.5	5.8		
						27.2		6.45		81.8		3.60			5.5				
			Middle	7.3	18.4	27.3	27.4	6.29	6.27	79.8	79.6	3.88	3.91		3.88	3.90		6.0	5.9
						27.4		6.25		79.3		3.91			5.8				
			Bottom	13.6	18.5	27.5	27.5	6.15	6.14	78.0	77.8	4.05	4.03		4.05	4.03		6.0	6.0
						27.5		6.12		77.6		4.01			6.0				
08/01/13	1605-1617	17/Fine	Surface	1.0	17.5	27.6	27.6	6.36	6.35	77.9	77.7	3.51	3.54	3.73	5.4	5.5	5.7		
						27.5		6.33		77.5		3.57			5.5				
			Middle	7.4	17.7	27.8	27.9	6.12	6.11	74.9	74.8	3.75	3.70		3.75	3.73		5.5	5.7
						27.9		6.09		74.6		3.70			5.8				
			Bottom	13.8	17.8	27.9	27.9	6.08	6.06	74.4	74.2	3.94	3.90		3.94	3.92		6.0	5.9
						27.9		6.04		73.9		3.90			5.8				
10/01/13	1744-1756	17/Fine	Surface	1.0	17.3	27.5	27.5	6.83	6.86	83.6	83.9	3.62	3.61	3.76	5.6	5.6	5.7		
						27.4		6.88		84.2		3.59			5.5				
			Middle	6.7	17.4	27.5	27.6	6.72	6.74	82.2	82.5	3.78	3.73		3.78	3.76		5.5	5.7
						27.6		6.76		82.8		3.73			5.8				
			Bottom	12.4	17.5	27.6	27.7	6.54	6.57	80.1	80.4	3.94	3.90		3.94	3.92		6.0	5.9
						27.7		6.59		80.7		3.90			5.8				
12/01/13	1014-1026	15/Cloudy	Surface	1.0	17.2	27.2	27.3	6.93	6.90	84.9	84.6	3.41	3.44	3.59	5.4	5.5	5.6		
						27.3		6.87		84.2		3.46			5.5				
			Middle	6.8	17.2	27.3	27.3	6.80	6.78	83.3	83.1	3.52	3.50		3.52	3.56		5.5	5.6
						27.3		6.76		82.8		3.60			5.6				
			Bottom	12.6	17.3	27.4	27.4	6.61	6.62	81.0	81.2	3.75	3.80		3.75	3.78		5.8	5.8
						27.3		6.63		81.3		3.80			5.8				
15/01/13	1057-1109	15/Fine	Surface	1.0	17.3	27.3	27.3	7.18	7.17	87.9	87.7	4.01	4.04	4.02	5.8	5.9	6.0		
						27.3		7.15		87.5		4.07			6.0				
			Middle	6.9	17.4	27.4	27.5	6.91	6.90	84.6	84.4	3.92	3.87		3.92	3.90		6.0	5.9
						27.5		6.88		84.2		3.87			5.8				
			Bottom	12.8	17.5	27.5	27.5	6.85	6.87	83.9	84.1	4.10	4.17		4.10	4.14		6.0	6.1
						27.4		6.88		84.2		4.17			6.2				
17/01/13	1250-1303	19/Fine	Surface	1.0	17.3	26.8	26.9	7.36	7.38	89.7	89.9	2.92	2.96	3.12	4.8	4.9	5.1		
						26.9		7.39		90.1		2.99			5.0				
			Middle	6.8	17.3	27.0	27.0	7.30	7.28	89.0	88.8	3.04	3.10		3.04	3.07		5.0	5.1
						26.9		7.26		88.5		3.10			5.2				
			Bottom	12.6	17.3	27.1	27.1	7.13	7.15	86.9	87.2	3.32	3.37		3.32	3.35		5.4	5.4
						27.1		7.17		87.4		3.37			5.4				
19/01/13	1404-1416	14/Cloudy	Surface	1.0	17.2	27.2	27.2	7.64	7.66	93.3	93.6	3.44	3.42	3.57	5.2	5.1	5.4		
						27.1		7.68		93.8		3.39			5.0				
			Middle	6.7	17.3	27.3	27.3	7.34	7.32	89.6	89.4	3.59	3.51		3.59	3.55		5.5	5.5
						27.3		7.30		89.2		3.51			5.4				
			Bottom	12.4	17.4	27.4	27.4	7.25	7.27	88.5	88.8	3.78	3.72		3.78	3.75		5.6	5.6
						27.4		7.29		89.0		3.72			5.6				
22/01/13	1250-1303	19/Fine	Surface	1.0	17.7	27.2	27.3	7.64	7.66	93.1	93.4	3.34	3.32	3.47	5.2	5.1	5.4		
						27.3		7.68		93.6		3.29			5.0				
			Middle	6.8	17.8	27.3	27.4	7.36	7.34	89.7	89.5	3.49	3.41		3.49	3.45		5.5	5.5
						27.4		7.32		89.2		3.41			5.4				
			Bottom	12.6	17.8	27.4	27.5	7.27	7.29	88.6	88.9	3.68	3.62		3.68	3.65		5.6	5.6
						27.5		7.31		89.1		3.62			5.6				
24/01/13	1637-1651	21/Fine	Surface	1.0	17.8	27.2	27.3	7.87	7.85	96.0	95.7	3.41	3.40	3.52	5.4	5.5	5.5		
						27.3		7.82		95.4		3.38			5.5				
			Middle	6.6	17.8	27.3	27.3	7.66	7.69	93.4	93.8	3.53	3.50		3.53	3.52		5.5	5.5
						27.3		7.71		94.1		3.50			5.4				
			Bottom	12.2	17.8	27.4	27.4	7.60	7.58	92.8	92.5	3.64	3.67		3.64	3.66		5.6	5.6
						27.4		7.55		92.1		3.67			5.6				
26/01/13	1755-1807	18/Fine	Surface	1.0	17.6	27.4	27.4	7.72	7.74	94.1	94.3	3.62	3.60	3.84	5.6	5.6	5.7		
						27.4		7.75		94.5		3.58			5.5				
			Middle	6.9	17.8	27.5	27.5	7.41	7.43	90.4	90.6	3.88	3.85		3.88	3.87		5.5	5.7
						27.5		7.44		90.7		3.85			5.8				
			Bottom	12.8	17.9	27.7	27.7	7.44	7.42	90.7	90.5	4.06	4.02		4.06	4.04		6.0	6.0
						27.6		7.40		90.2		4.02			6.0				
29/01/13	1002-1014	18/Fine	Surface	1.0	17.6	27.3	27.3	7.69	7.71	93.7	94.0	3.34	3.36	3.53	5.2	5.1	5.5		
						27.3		7.73		94.2		3.37			5.0				
			Middle	6.9	17.7	27.4	27.5	7.58	7.56	92.4	92.2	3.52	3.55		3.52	3.54		5.5	5.6
						27.5		7.54		91.9		3.55			5.6				
			Bottom	12.8	17.8	27.6	27.6	7.42	7.40	90.4	90.2	3.68	3.71		3.68	3.70		5.6	5.7
						27.6		7.38		90.0		3.71			5.8				

Mid-Flood Tide



Monitoring Station : R15

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)		Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)					
						Value	Average	Value	Average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average			
03/01/13	0940-0955	17/Fine	Surface	1.0	18.2	26.8	26.9	6.44	6.44	81.8	81.8	3.40	3.42	3.74	5.4	5.4	5.7			
						26.9		6.43		81.7		3.43			5.4					
			Middle	6.6	18.3	27.0	27.1	6.32	6.33	80.3	80.4	3.71	3.72		3.73			3.72	5.6	5.6
						27.1		6.34		80.5		3.73			5.6					
			Bottom	12.2	18.4	27.2	27.3	6.18	6.20	78.5	78.7	4.10	4.09		4.08			4.09	6.0	6.0
						27.3		6.21		78.9		4.08			6.0					
05/01/13	1110-1125	12/Fine	Surface	1.0	18.1	26.9	27.0	6.38	6.37	80.9	80.7	3.53	3.51	3.80	5.4	5.4	5.7			
						27.0		6.35		80.5		3.49			5.4					
			Middle	6.7	18.3	27.1	27.2	6.28	6.26	79.6	79.4	3.81	3.78		3.75			3.78	5.8	5.7
						27.2		6.24		79.1		3.75			5.6					
			Bottom	12.4	18.4	27.3	27.4	6.16	6.18	78.1	78.3	4.10	4.12		4.14			4.12	6.0	6.1
						27.4		6.19		78.5		4.14			6.2					
08/01/13	1339-1352	17/Fine	Surface	1.0	17.5	27.4	27.4	6.47	6.45	79.3	79.1	3.68	3.66	3.90	5.6	5.6	5.8			
						27.4		6.43		78.8		3.64			5.6					
			Middle	6.8	17.7	27.7	27.8	6.29	6.27	77.0	76.8	3.97	3.95		3.92			3.95	5.8	5.8
						27.8		6.25		76.5		3.92			5.8					
			Bottom	12.6	17.8	27.8	27.9	6.17	6.16	75.5	75.4	4.11	4.09		4.07			4.09	6.0	6.0
						27.9		6.14		75.2		4.07			6.0					
10/01/13	1509-1522	16/Fine	Surface	1.0	17.4	27.4	27.4	6.86	6.88	83.9	84.2	3.47	3.49	3.69	5.4	5.4	5.6			
						27.3		6.90		84.4		3.51			5.4					
			Middle	5.9	17.4	27.4	27.4	6.81	6.79	83.4	83.2	3.62	3.64		3.65			3.64	5.6	5.6
						27.4		6.77		82.9		3.65			5.6					
			Bottom	10.8	17.5	27.5	27.5	6.70	6.72	82.1	82.3	3.92	3.94		3.96			3.94	5.8	5.8
						27.4		6.73		82.4		3.96			5.8					
12/01/13	0751-0805	14/Cloudy	Surface	1.0	17.1	27.2	27.3	6.84	6.87	83.9	84.2	3.64	3.67	3.82	5.6	5.6	5.8			
						27.3		6.89		84.5		3.69			5.6					
			Middle	5.8	17.1	27.3	27.3	6.80	6.78	83.3	83.1	3.78	3.81		3.83			3.81	5.8	5.8
						27.3		6.76		82.8		3.83			5.8					
			Bottom	10.6	17.1	27.4	27.5	6.70	6.72	82.1	82.3	4.02	4.00		3.97			4.00	6.0	5.9
						27.5		6.73		82.5		3.97			5.8					
15/01/13	0839-0851	15/Fine	Surface	1.0	17.2	27.2	27.2	6.94	6.96	85.0	85.3	3.87	3.89	3.97	5.8	5.8	6.0			
						27.2		6.98		85.5		3.90			5.8					
			Middle	5.9	17.3	27.3	27.4	6.82	6.84	83.5	83.7	3.94	3.96		3.98			3.96	6.0	6.0
						27.4		6.85		83.9		3.98			6.0					
			Bottom	10.8	17.3	27.4	27.4	6.75	6.77	82.6	82.8	4.09	4.07		4.05			4.07	6.2	6.1
						27.4		6.78		82.9		4.05			6.0					
17/01/13	1010-1025	17/Fine	Surface	1.0	17.3	26.7	26.7	7.15	7.18	87.2	87.5	3.24	3.22	3.30	5.2	5.1	5.2			
						26.7		7.20		87.8		3.19			5.0					
			Middle	5.7	17.2	26.7	26.8	7.11	7.10	86.7	86.5	3.22	3.25		3.27			3.25	5.2	5.2
						26.8		7.08		86.3		3.27			5.2					
			Bottom	10.4	17.3	26.9	27.0	7.00	7.01	85.4	85.5	3.41	3.44		3.47			3.44	5.4	5.4
						27.0		7.02		85.6		3.47			5.4					
19/01/13	1137-1150	14/Cloudy	Surface	1.0	17.2	27.1	27.1	7.39	7.38	90.3	90.1	3.54	3.57	3.80	5.4	5.5	5.7			
						27.0		7.36		89.9		3.59			5.6					
			Middle	5.9	17.3	27.3	27.3	7.18	7.16	87.7	87.5	3.82	3.80		3.77			3.80	5.8	5.7
						27.3		7.14		87.2		3.77			5.8					
			Bottom	10.8	17.4	27.3	27.4	7.11	7.10	86.8	86.7	4.01	4.03		4.05			4.03	6.0	6.0
						27.4		7.08		86.5		4.05			6.0					
22/01/13	1010-1025	19/Fine	Surface	1.0	17.7	27.2	27.3	7.46	7.45	90.9	90.8	3.49	3.52	3.75	5.4	5.4	5.7			
						27.3		7.43		90.6		3.54			5.4					
			Middle	6.0	17.7	27.3	27.4	7.25	7.23	88.4	88.2	3.77	3.75		3.72			3.75	5.8	5.7
						27.4		7.21		87.9		3.72			5.6					
			Bottom	11.0	17.8	27.4	27.5	7.18	7.17	87.5	87.4	3.96	3.98		4.00			3.98	6.0	6.0
						27.5		7.15		87.2		4.00			6.0					
24/01/13	1404-1416	21/Fine	Surface	1.0	17.8	27.2	27.2	7.84	7.82	95.6	95.4	3.72	3.70	3.88	5.6	5.6	5.8			
						27.2		7.80		95.1		3.68			5.6					
			Middle	6.1	17.8	27.3	27.3	7.75	7.73	94.5	94.2	3.86	3.84		3.82			3.84	5.8	5.8
						27.3		7.70		93.9		3.82			5.8					
			Bottom	11.2	17.9	27.3	27.4	7.52	7.55	91.8	92.1	4.07	4.09		4.10			4.09	6.0	6.1
						27.4		7.57		92.4		4.10			6.2					
26/01/13	1537-1549	18/Fine	Surface	1.0	17.7	27.2	27.3	7.59	7.58	92.5	92.4	3.61	3.65	3.87	5.6	5.6	5.8			
						27.3		7.56		92.2		3.68			5.6					
			Middle	6.1	17.9	27.4	27.5	7.27	7.26	88.6	88.4	3.87	3.90		3.92			3.90	5.8	5.8
						27.5		7.24		88.2		3.92			5.8					
			Bottom	11.2	17.9	27.5	27.5	7.20	7.22	87.7	88.0	4.03	4.06		4.08			4.06	6.0	6.0
						27.4		7.24		88.2		4.08			6.0					
29/01/13	0734-0747	15/Fine	Surface	1.0	17.4	27.3	27.3	7.61	7.63	92.8	93.1	3.44	3.46	3.59	5.4	5.4	5.6			
						27.3		7.65		93.3		3.47			5.4					
			Middle	6.5	17.5	27.4	27.5	7.54	7.52	91.9	91.7	3.58	3.60		3.61			3.60	5.6	5.6
						27.5		7.50		91.4		3.61			5.6					
			Bottom	12.0	17.7	27.6	27.6	7.43	7.42	90.6	90.4	3.74	3.73		3.71			3.73	5.8	5.7
						27.6		7.40		90.2		3.71			5.6					

Monitoring Station : R16

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)		Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
03/01/13	0919-0934	17/Fine	Surface	1.0	18.1	26.9	27.0	6.50	6.49	82.6	82.5	3.55	3.55	3.75	5.4	5.4	5.7
				7.0	18.3	27.0		6.48		82.3		3.54			5.4		
			Middle	7.0	18.3	27.1	27.2	6.25	6.26	79.4	79.6	3.72	3.71		5.6	5.6	
						27.2		6.28		79.8		3.70			5.6		
			Bottom	13.0	18.3	27.3	27.4	6.10	6.12	77.5	77.8	3.99	4.01		6.0	6.0	
						27.4		6.14		78.0		4.02			6.0		
05/01/13	1049-1104	12/Fine	Surface	1.0	18.2	27.0	27.1	6.45	6.43	81.8	81.5	3.55	3.57	3.79	5.4	5.4	5.6
				7.1	18.2	27.1		6.40		81.2		3.59			5.4		
			Middle	7.1	18.2	27.2	27.3	6.23	6.21	79.0	78.8	3.73	3.75		5.6	5.6	
						27.3		6.19		78.5		3.76			5.6		
			Bottom	13.2	18.3	27.4	27.5	6.12	6.10	77.6	77.3	4.06	4.04		5.8	5.9	
						27.5		6.07		77.0		4.02			6.0		
08/01/13	1320-1332	17/Fine	Surface	1.0	17.5	27.4	27.4	6.60	6.59	80.9	80.7	3.76	3.74	3.89	5.6	5.6	5.8
				7.2	17.7	27.3		6.57		80.5		3.72			5.6		
			Middle	7.2	17.7	27.6	27.7	6.27	6.28	76.8	76.9	3.82	3.79		5.8	5.7	
						27.7		6.29		77.0		3.76			5.6		
			Bottom	13.4	17.8	27.8	27.8	6.12	6.14	74.9	75.1	4.12	4.15		6.0	6.1	
						27.8		6.15		75.3		4.17			6.2		
10/01/13	1449-1503	16/Fine	Surface	1.0	17.5	27.3	27.4	6.85	6.87	83.8	84.1	3.60	3.59	3.79	5.6	5.6	5.7
				7.1	17.5	27.4		6.89		84.3		3.57			5.6		
			Middle	6.9	17.5	27.5	27.5	6.78	6.77	83.0	82.9	3.78	3.77		5.8	5.7	
						27.5		6.76		82.8		3.75			5.6		
			Bottom	12.8	17.5	27.6	27.6	6.65	6.63	81.4	81.2	4.05	4.02		6.0	5.9	
						27.5		6.61		81.0		3.99			5.8		
12/01/13	0731-0745	14/Cloudy	Surface	1.0	17.1	27.2	27.2	7.02	7.00	86.1	85.8	3.54	3.57	3.73	5.4	5.5	5.7
				7.0	17.2	27.3		6.97		85.4		3.59			5.6		
			Middle	6.7	17.2	27.4	27.4	6.92	6.94	84.8	85.0	3.65	3.68		5.8	5.7	
						27.4		6.95		85.2		3.70			5.8		
			Bottom	12.4	17.2	27.6	27.6	6.82	6.84	83.6	83.8	3.98	3.95		6.0	5.9	
						27.6		6.85		83.9		3.91			5.8		
15/01/13	0820-0833	15/Fine	Surface	1.0	17.1	27.1	27.2	7.09	7.07	86.8	86.6	4.01	4.03	4.12	5.8	5.9	6.1
				7.0	17.2	27.2		7.05		86.3		4.04			6.0		
			Middle	6.7	17.2	27.4	27.4	6.78	6.76	82.9	82.7	4.15	4.17		6.2	6.2	
						27.4		6.74		82.4		4.19			6.2		
			Bottom	12.4	17.3	27.5	27.5	6.81	6.83	83.3	83.6	4.18	4.16		6.2	6.1	
						27.5		6.85		83.8		4.14			6.0		
17/01/13	0949-1005	17/Fine	Surface	1.0	17.2	26.7	26.7	7.33	7.35	89.4	89.6	3.01	3.04	3.16	5.0	5.0	5.2
				7.0	17.2	26.7		7.36		89.7		3.06			5.0		
			Middle	6.6	17.2	26.9	26.9	7.28	7.26	88.8	88.6	3.11	3.13		5.2	5.2	
						26.9		7.24		88.3		3.15			5.2		
			Bottom	12.2	17.3	27.1	27.1	7.14	7.12	87.1	86.8	3.32	3.30		5.4	5.3	
						27.0		7.09		86.4		3.28			5.2		
19/01/13	1120-1132	14/Cloudy	Surface	1.0	17.1	27.2	27.2	7.44	7.42	90.9	90.7	3.44	3.42	3.70	5.4	5.4	5.6
				7.0	17.3	27.1		7.40		90.4		3.39			5.4		
			Middle	6.7	17.3	27.3	27.3	7.29	7.27	89.0	88.8	3.78	3.76		5.6	5.6	
						27.2		7.25		88.5		3.74			5.6		
			Bottom	12.4	17.4	27.3	27.4	7.18	7.16	87.7	87.5	3.91	3.93		5.8	5.8	
						27.4		7.14		87.2		3.95			5.8		
22/01/13	0949-1005	19/Fine	Surface	1.0	17.6	27.2	27.3	7.51	7.49	91.5	91.3	3.39	3.37	3.65	5.4	5.4	5.6
				7.0	17.7	27.3		7.47		91.1		3.34			5.4		
			Middle	6.7	17.7	27.4	27.5	7.36	7.34	89.7	89.5	3.73	3.71		5.6	5.6	
						27.5		7.32		89.2		3.69			5.6		
			Bottom	12.4	17.8	27.5	27.6	7.25	7.23	88.4	88.2	3.86	3.88		5.8	5.8	
						27.6		7.21		87.9		3.90			5.8		
24/01/13	1347-1359	21/Fine	Surface	1.0	17.8	27.3	27.3	7.97	7.95	97.2	97.0	3.60	3.57	3.75	5.6	5.5	5.7
				7.0	17.8	27.2		7.93		96.7		3.54			5.4		
			Middle	6.6	17.8	27.3	27.4	7.72	7.71	94.2	94.0	3.65	3.68		5.6	5.6	
						27.4		7.69		93.8		3.70			5.6		
			Bottom	12.6	17.8	27.5	27.5	7.66	7.65	93.5	93.3	3.99	4.01		5.8	5.9	
						27.5		7.63		93.1		4.03			6.0		
26/01/13	1520-1531	18/Fine	Surface	1.0	17.7	27.3	27.4	7.67	7.66	93.5	93.3	3.75	3.77	3.99	5.6	5.7	5.9
				7.0	17.8	27.4		7.64		93.1		3.79			5.8		
			Middle	6.7	17.8	27.5	27.5	7.37	7.38	89.9	90.1	4.03	4.06		6.0	6.0	
						27.5		7.39		90.2		4.08			6.0		
			Bottom	12.4	17.9	27.6	27.7	7.29	7.27	88.8	88.6	4.16	4.14		6.2	6.1	
						27.7		7.25		88.3		4.11			6.0		
29/01/13	0718-0730	15/Fine	Surface	1.0	17.4	27.3	27.4	7.63	7.62	93.0	92.8	3.37	3.39	3.52	5.2	5.3	5.4
				7.0	17.5	27.4		7.60		92.6		3.41			5.4		
			Middle	6.8	17.5	27.5	27.5	7.51	7.49	91.5	91.3	3.49	3.51		5.4	5.4	
						27.5		7.47		91.1		3.52			5.4		
			Bottom	12.6	17.6	27.6	27.7	7.38	7.36	90.0	89.7	3.64	3.66		5.6	5.6	
						27.7		7.33		89.4		3.68			5.6		

Monitoring Station : R17

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)		Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)			
						Value	Average	Value	Average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average	
03/01/13	0900-0915	17/Fine	Surface	1.0	18.2	26.8	26.9	6.54	6.53	83.1	82.9	3.54	3.55	3.74	5.4	5.4	5.6	
						26.9		6.51		82.7		3.66			5.6			
			Middle	6.7	18.3	27.0	27.1	6.23	6.25	79.1	79.4	3.71	3.71		3.69	5.5		5.6
						27.1		6.27		79.6		3.96			5.6			
			Bottom	12.4	18.4	27.2	27.3	6.16	6.17	78.2	78.4	3.96	3.96		3.98	6.0		5.9
						27.3		6.18		78.5		4.00			5.8			
05/01/13	1030-1045	12/Fine	Surface	1.0	18.1	26.9	27.0	6.47	6.45	82.0	81.8	3.57	3.61	3.81	5.4	5.5	5.8	
						27.0		6.43		81.5		3.74			5.6			
			Middle	6.8	18.2	27.1	27.2	6.24	6.23	79.1	78.9	3.74	3.79		3.77	5.8		5.9
						27.2		6.21		78.7		4.08			6.0			
			Bottom	12.6	18.3	27.3	27.4	6.11	6.09	77.5	77.2	4.04	4.08		4.06	6.0		6.1
						27.4		6.06		76.8		4.08			6.2			
08/01/13	1300-1314	17/Fine	Surface	1.0	17.6	27.3	27.4	6.52	6.50	79.9	79.7	3.87	3.90	3.91	5.8	5.8	5.9	
						27.4		6.48		79.4		3.91			6.0			
			Middle	6.9	17.7	27.7	27.8	6.32	6.30	77.4	77.2	3.91	3.87		3.89	6.0		6.0
						27.8		6.28		76.9		3.87			6.0			
			Bottom	12.8	17.8	27.8	27.9	6.09	6.08	74.6	74.4	3.98	3.95		3.97	6.0		6.0
						27.9		6.06		74.2		3.95			6.0			
10/01/13	1430-1445	16/Fine	Surface	1.0	17.4	27.4	27.4	6.93	6.95	84.8	85.1	3.44	3.50	3.75	5.4	5.4	5.7	
						27.4		6.97		85.3		3.71			5.6			
			Middle	6.5	17.5	27.4	27.5	6.85	6.83	83.9	83.6	3.71	3.74		3.73	5.5		5.6
						27.5		6.80		83.3		4.02			5.5			
			Bottom	12.0	17.5	27.5	27.6	6.67	6.66	81.7	81.5	4.02	4.06		4.04	6.0		6.0
						27.6		6.64		81.3		4.06			6.0			
12/01/13	0712-0726	14/Cloudy	Surface	1.0	17.1	27.2	27.3	6.99	6.97	85.6	85.4	3.50	3.55	3.68	5.4	5.4	5.6	
						27.3		6.94		85.1		3.55			5.4			
			Middle	6.3	17.2	27.4	27.5	6.90	6.89	84.5	84.4	3.61	3.64		3.63	5.6		5.6
						27.5		6.88		84.3		3.64			5.5			
			Bottom	11.6	17.2	27.6	27.7	6.80	6.79	83.3	83.2	3.92	3.87		3.90	6.0		5.9
						27.7		6.77		83.0		3.87			5.8			
15/01/13	0800-0815	15/Fine	Surface	1.0	17.1	27.2	27.2	7.04	7.06	86.2	86.5	3.92	3.87	4.01	5.8	5.8	5.9	
						27.2		7.08		86.7		3.87			5.8			
			Middle	6.3	17.2	27.4	27.4	6.89	6.87	84.4	84.2	4.10	4.06		4.08	6.2		6.1
						27.4		6.85		83.9		4.06			6.0			
			Bottom	11.6	17.3	27.5	27.5	6.85	6.87	83.9	84.1	4.07	4.01		4.04	6.0		5.9
						27.4		6.88		84.2		4.01			5.8			
17/01/13	0930-0945	17/Fine	Surface	1.0	17.2	26.7	26.8	7.31	7.29	89.2	88.9	3.04	3.10	3.21	5.0	5.0	5.2	
						26.8		7.27		88.6		3.10			5.0			
			Middle	6.3	17.3	26.8	26.9	7.22	7.21	88.1	88.0	3.16	3.16		3.19	5.2		5.1
						26.9		7.20		87.8		3.21			5.0			
			Bottom	11.6	17.3	26.9	27.0	7.11	7.13	86.7	87.0	3.40	3.36		3.38	5.5		5.5
						27.0		7.15		87.2		3.36			5.4			
19/01/13	1100-1115	14/Cloudy	Surface	1.0	17.2	27.1	27.1	7.32	7.34	89.4	89.6	3.31	3.37	3.57	5.4	5.4	5.6	
						27.0		7.35		89.8		3.37			5.4			
			Middle	6.2	17.3	27.2	27.2	7.26	7.24	88.7	88.5	3.59	3.64		3.62	5.6		5.6
						27.1		7.22		88.2		3.64			5.6			
			Bottom	11.4	17.4	27.2	27.3	7.10	7.08	86.7	86.4	3.77	3.73		3.75	6.0		5.9
						27.3		7.05		86.1		3.73			5.8			
22/01/13	0930-0945	19/Fine	Surface	1.0	17.6	27.2	27.3	7.39	7.41	90.1	90.3	3.26	3.32	3.52	5.2	5.2	5.4	
						27.3		7.42		90.4		3.32			5.2			
			Middle	6.3	17.7	27.3	27.4	7.33	7.31	89.4	89.2	3.54	3.59		3.57	5.4		5.5
						27.4		7.29		88.9		3.59			5.5			
			Bottom	11.6	17.8	27.4	27.5	7.17	7.15	87.4	87.1	3.72	3.68		3.70	5.5		5.6
						27.5		7.12		86.8		3.68			5.6			
24/01/13	1330-1343	21/Fine	Surface	1.0	17.8	27.2	27.2	7.81	7.83	95.2	95.5	3.44	3.40	3.69	5.4	5.4	5.7	
						27.2		7.85		95.7		3.40			5.4			
			Middle	6.2	17.8	27.3	27.3	7.78	7.76	94.9	94.7	3.68	3.62		3.65	5.6		5.6
						27.2		7.74		94.4		3.62			5.5			
			Bottom	11.4	17.8	27.4	27.5	7.56	7.54	92.3	92.1	3.97	4.01		3.99	6.0		6.0
						27.5		7.52		91.8		4.01			6.0			
26/01/13	1500-1513	18/Fine	Surface	1.0	17.7	27.3	27.3	7.74	7.72	94.4	94.2	3.82	3.78	3.95	5.8	5.7	5.9	
						27.3		7.70		93.9		3.78			5.6			
			Middle	6.3	17.8	27.4	27.5	7.44	7.42	90.7	90.5	3.97	3.99		3.98	5.8		5.9
						27.5		7.40		90.2		3.99			6.0			
			Bottom	11.6	17.9	27.6	27.6	7.36	7.35	89.7	89.6	4.04	4.12		4.08	6.0		6.1
						27.6		7.33		89.4		4.12			6.2			
29/01/13	0700-0713	15/Fine	Surface	1.0	17.4	27.3	27.3	7.57	7.59	92.3	92.6	3.40	3.43	3.54	5.4	5.4	5.5	
						27.3		7.61		92.8		3.43			5.4			
			Middle	6.4	17.5	27.4	27.5	7.46	7.44	90.9	90.6	3.51	3.54		3.53	5.4		5.5
						27.5		7.42		90.2		3.54			5.5			
			Bottom	11.8	17.7	27.6	27.6	7.31	7.33	89.1	89.3	3.67	3.70		3.69	5.5		5.6
						27.6		7.34		89.5		3.70			5.6			

Mid-Flood Tide

Monitoring Station : R28

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)		Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)							
						Value	Average	Value	Average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average					
03/01/13	1056-1111	17/Fine	Surface	1.0	18.3	26.9	27.0	6.53	6.54	82.9	83.0	3.37	3.36	3.65	5.4	5.4	5.6					
				6.9	18.5	27.0		6.54		83.1		3.35			5.4							
			Middle	12.8	18.5	27.1	27.2	6.34	6.36	80.5	80.7	3.66	3.65		5.6	5.6		5.8	5.8	5.8		
				1.0	18.2	27.2		6.37		80.9		3.64			5.8							
			05/01/13	1229-1241	12/Fine	Surface	1.0	18.2	27.3	27.2	6.20	6.18	78.8		78.5	3.94		3.93	3.70	5.4	5.4	5.7
							6.9	18.2	27.4		6.16		78.2			3.91				5.8		
Middle	12.8	18.4				27.1	27.4	6.53	6.31	82.8	80.1	3.38	3.69	5.4	5.6	6.0	6.0	6.0				
	1.0	17.5				27.2		6.49		82.3		3.43		5.6								
08/01/13	1505-1518	17/Fine				Surface	1.0	17.5	27.3	27.4	6.33	6.55	80.3	80.2	3.67	3.63	3.81	5.6		5.6	5.8	
							6.9	17.7	27.4		6.29		79.8		3.71			5.8				
			Middle	13.2	17.8	27.4	27.5	6.16	6.17	78.1	75.5	3.98	3.95	6.0	5.9	5.8		5.8				
				1.0	17.4	27.5		6.13		77.7		4.04		5.8								
			10/01/13	1630-1643	17/Fine	Surface	1.0	17.4	27.4	27.4	6.56	6.58	80.4	80.6	3.60	3.92		3.73	5.4	5.4		5.6
							6.0	17.5	27.4		6.53		80.0		3.65				5.6			
Middle	11.0	17.5				27.8	27.6	6.25	6.58	76.5	75.5	3.88	3.90	5.8	5.8	5.8	5.8					
	1.0	17.2				27.6		6.21		76.0		3.85		5.8								
12/01/13	0906-0919	14/Cloudy				Surface	1.0	17.2	27.9	27.3	6.15	6.78	75.3	82.9	3.97	3.50	3.67		5.4	5.4	5.6	
							6.1	17.2	27.3		6.18		75.7		3.92				5.4			
			Middle	11.2	17.2	27.4	27.5	6.76	6.74	82.7	82.7	3.52	3.78	5.4	5.6	5.8		5.8	5.8			
				1.0	17.2	27.5		6.95		83.1		3.48		5.6								
			15/01/13	0951-1003	15/Fine	Surface	1.0	17.2	27.3	27.3	6.84	7.07	83.9	86.6	3.65	3.77		3.87	5.6	5.7		5.8
							6.7	17.3	27.3		6.80		83.3		3.69				5.8			
Middle	12.4	17.4				27.4	27.5	6.94	6.83	82.9	83.7	3.82	3.89	5.8	5.9	5.8	5.8					
	1.0	17.2				27.5		6.72		82.4		3.85		5.8								
17/01/13	1129-1145	18/Fine				Surface	1.0	17.3	27.4	26.8	7.09	7.32	86.8	89.3	3.75	3.07	3.21		5.0	5.1	5.2	
							6.1	17.3	27.3		7.05		86.3		3.79				5.2			
			Middle	11.2	17.3	27.4	27.0	6.94	7.12	85.0	86.8	3.92	3.36	5.0	5.1	5.2		5.2				
				1.0	17.2	27.0		6.89		84.4		3.98		5.4								
			19/01/13	1250-1301	14/Cloudy	Surface	1.0	17.2	27.5	27.2	6.85	7.48	83.9	91.3	3.91	3.37		3.69	5.4	5.4		5.6
							6.1	17.3	27.3		6.81		83.4		3.86				5.6			
Middle	11.2	17.3				27.4	27.4	7.29	7.24	88.2	88.4	3.98	4.05	5.6	5.6	5.8	5.8					
	1.0	17.7				27.4		7.25		88.5		4.07		5.8								
22/01/13	1129-1145	19/Fine				Surface	1.0	17.7	27.4	27.3	7.51	7.50	91.5	91.4	3.31	3.30	3.61		5.2	5.2	5.5	
							6.2	17.7	27.3		7.48		91.2		3.28				5.2			
			Middle	11.4	17.8	27.4	27.6	7.32	7.26	89.2	88.5	3.61	3.97	5.6	5.5	5.8		5.8				
				1.0	17.8	27.5		7.29		88.9		3.54		5.4								
			24/01/13	1520-1533	21/Fine	Surface	1.0	17.8	27.6	27.3	7.24	7.84	88.3	95.6	3.94	3.38		3.67	5.4	5.4		5.6
							6.0	17.8	27.3		7.27		88.6		3.99				5.4			
Middle	11.0	17.8				27.4	27.3	7.82	7.44	95.4	90.9	3.36	3.87	5.6	5.6	5.8	5.8					
	1.0	17.7				27.4		7.86		95.8		3.40		5.8								
26/01/13	1645-1657	18/Fine				Surface	1.0	17.7	27.3	27.4	7.70	7.80	93.9	95.1	3.78	3.73	3.95		5.6	5.6	5.8	
							6.3	17.8	27.3		7.66		93.4		3.74				5.6			
			Middle	11.6	17.9	27.4	27.7	7.42	7.37	90.6	89.8	3.89	4.07	6.0	5.9	6.0		6.0				
				1.0	17.4	27.4		7.46		91.1		3.84		5.8								
			29/01/13	0846-0858	16/Fine	Surface	1.0	17.4	27.4	27.3	7.81	7.63	95.2	93.0	3.71	3.48		3.61	5.4	5.4		5.6
							6.4	17.5	27.3		7.78		94.9		3.74				5.4			
Middle	11.8	17.7				27.4	27.7	7.58	7.49	92.4	90.0	4.08	3.76	5.6	5.6	5.8	5.8					
	1.0	17.4				27.5		7.64		93.1		3.46		5.8								
29/01/13	0846-0858	16/Fine				Surface	1.0	17.4	27.6	27.7	7.49	7.39	91.8	90.0	3.62	3.76	3.61		5.6	5.6	5.8	
							6.4	17.5	27.6		7.40		91.3		3.58				5.8			
			Middle	11.8	17.7	27.7	27.7	7.38	7.39	89.6	89.8	4.03	3.76	6.0	5.9	6.0		6.0				
				1.0	17.4	27.7		7.38		90.0		4.10		5.8								

Monitoring Station : R29

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)		Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)				
						Value	Average	Value	Average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average		
03/01/13	1115-1130	17/Fine	Surface	1.0	18.2	27.0	27.1	6.65	6.64	84.5	84.4	3.46	3.48	3.71	5.4	5.4	5.6		
						27.1		6.63		84.2		3.50			5.4				
			Middle	9.2	18.4	27.2	27.3	6.37	6.38	80.9	81.1	3.78	3.80		3.78	3.80		5.6	5.7
						27.3		6.39		81.2		3.82			5.8				
			Bottom	17.4	18.5	27.4	27.5	6.27	6.25	79.6	79.3	3.85	3.86		3.85	3.86		5.8	5.8
						27.5		6.22		79.0		3.86			5.8				
05/01/13	1245-1300	12/Fine	Surface	1.0	18.2	27.0	27.1	6.56	6.58	83.2	83.5	3.53	3.55	3.77	5.4	5.5	5.7		
						27.1		6.60		83.7		3.56			5.6				
			Middle	9.2	18.4	27.2	27.3	6.36	6.34	80.6	80.4	3.79	3.81		3.79	3.81		5.6	5.7
						27.3		6.32		80.1		3.82			5.8				
			Bottom	17.4	18.5	27.4	27.5	6.19	6.21	78.5	78.7	3.92	3.95		3.92	3.95		5.8	5.9
						27.5		6.22		78.9		3.97			6.0				
08/01/13	1524-1536	17/Fine	Surface	1.0	17.5	27.5	27.5	6.60	6.62	80.9	81.1	3.81	3.79	3.99	5.8	5.7	6.0		
						27.4		6.63		81.2		3.77			5.6				
			Middle	9.1	17.7	27.7	27.7	6.33	6.32	77.6	77.4	4.07	4.05		4.07	4.05		6.0	6.0
						27.6		6.30		77.2		4.03			6.0				
			Bottom	17.2	17.8	27.9	28.0	6.20	6.22	75.9	76.2	4.15	4.13		4.15	4.13		6.4	6.3
						28.0		6.24		76.4		4.11			6.2				
10/01/13	1649-1705	17/Fine	Surface	1.0	17.4	27.3	27.3	6.70	6.69	82.0	81.8	3.68	3.66	3.86	5.6	5.6	5.8		
						27.3		6.67		81.6		3.63			5.6				
			Middle	8.9	17.5	27.4	27.5	6.59	6.60	80.7	80.8	3.82	3.84		3.82	3.84		5.8	5.8
						27.5		6.61		80.9		3.85			5.8				
			Bottom	16.8	17.6	27.6	27.7	6.52	6.50	79.9	79.7	4.11	4.10		4.11	4.10		6.2	6.1
						27.7		6.48		79.4		4.09			6.0				
12/01/13	0923-0936	14/Cloudy	Surface	1.0	17.2	27.3	27.3	6.96	6.98	85.3	85.6	3.55	3.58	3.82	5.4	5.5	5.8		
						27.3		7.00		85.8		3.61			5.6				
			Middle	9.1	17.2	27.5	27.5	6.86	6.84	84.1	83.8	3.82	3.85		3.82	3.85		5.8	5.8
						27.5		6.81		83.5		3.88			5.8				
			Bottom	17.2	17.3	27.7	27.7	6.67	6.69	81.8	82.0	4.00	4.03		4.00	4.03		6.0	6.0
						27.7		6.71		82.2		4.06			6.0				
15/01/13	1008-1019	15/Fine	Surface	1.0	17.2	27.2	27.2	7.17	7.16	87.8	87.6	3.94	3.92	3.98	6.0	5.9	5.9		
						27.1		7.14		87.4		3.90			5.8				
			Middle	5.9	17.3	27.3	27.3	6.93	6.94	84.8	85.0	4.10	4.08		4.10	4.08		6.2	6.1
						27.3		6.95		85.1		4.06			6.0				
			Bottom	10.8	17.4	27.4	27.4	6.77	6.76	82.8	82.6	3.98	3.95		3.98	3.95		5.8	5.8
						27.4		6.74		82.4		3.92			5.8				
17/01/13	1149-1205	18/Fine	Surface	1.0	17.3	26.8	26.9	7.30	7.32	89.1	89.3	3.00	2.98	3.14	5.0	4.9	5.2		
						26.9		7.33		89.4		2.95			4.8				
			Middle	9.0	17.3	27.0	27.1	7.21	7.20	87.9	87.7	3.11	3.14		3.11	3.14		5.2	5.2
						27.1		7.18		87.5		3.16			5.2				
			Bottom	17.0	17.4	27.2	27.3	7.12	7.10	86.8	86.5	3.28	3.32		3.28	3.32		5.4	5.4
						27.3		7.07		86.2		3.35			5.4				
19/01/13	1308-1320	14/Cloudy	Surface	1.0	17.2	27.2	27.2	7.40	7.42	90.4	90.7	3.50	3.52	3.81	5.4	5.4	5.6		
						27.2		7.44		90.9		3.53			5.4				
			Middle	8.8	17.3	27.3	27.3	7.27	7.28	88.8	88.9	3.77	3.76		3.77	3.76		5.6	5.6
						27.2		7.29		89.0		3.75			5.6				
			Bottom	16.6	17.4	27.4	27.4	7.20	7.22	87.9	88.1	4.17	4.15		4.17	4.15		5.8	5.8
						27.3		7.23		88.2		4.13			5.8				
22/01/13	1149-1205	19/Fine	Surface	1.0	17.7	27.2	27.3	7.42	7.44	90.4	90.7	3.43	3.44	3.73	5.4	5.4	5.7		
						27.3		7.46		90.9		3.45			5.4				
			Middle	8.9	17.8	27.3	27.4	7.29	7.30	88.9	89.0	3.69	3.68		3.69	3.68		5.6	5.6
						27.4		7.31		89.1		3.67			5.6				
			Bottom	16.8	17.8	27.4	27.5	7.22	7.24	88.0	88.2	4.09	4.07		4.09	4.07		6.2	6.1
						27.5		7.25		88.4		4.05			6.0				
24/01/13	1538-1554	21/Fine	Surface	1.0	17.7	27.2	27.3	7.95	7.97	97.0	97.2	3.21	3.20	3.49	5.2	5.1	5.4		
						27.3		7.99		97.4		3.18			5.0				
			Middle	8.8	17.8	27.3	27.4	7.80	7.83	95.2	95.5	3.51	3.53		3.51	3.53		5.4	5.4
						27.4		7.85		95.7		3.55			5.4				
			Bottom	16.6	17.9	27.5	27.5	7.61	7.59	92.9	92.7	3.72	3.74		3.72	3.74		5.6	5.6
						27.5		7.57		92.4		3.75			5.6				
26/01/13	1703-1715	18/Fine	Surface	1.0	17.7	27.4	27.4	7.76	7.75	94.6	94.5	3.80	3.83	3.95	5.8	5.8	5.9		
						27.4		7.73		94.3		3.86			5.8				
			Middle	8.9	17.8	27.5	27.5	7.47	7.48	91.1	91.3	3.93	3.90		3.93	3.90		5.8	5.9
						27.5		7.49		91.4		3.87			6.0				
			Bottom	16.8	17.9	27.6	27.6	7.40	7.42	90.2	90.5	4.15	4.13		4.15	4.13		6.2	6.1
						27.5		7.44		90.7		4.11			6.0				
29/01/13	0904-0917	16/Fine	Surface	1.0	17.5	27.4	27.4	7.64	7.66	93.1	93.4	3.41	3.43	3.57	5.4	5.4	5.6		
						27.4		7.68		93.6		3.44			5.4				
			Middle	9.1	17.6	27.6	27.6	7.53	7.51	91.8	91.6	3.56	3.58		3.56	3.58		5.6	5.6
						27.5		7.49		91.3		3.60			5.6				
			Bottom	17.2	17.8	27.7	27.7	7.35	7.33	89.6	89.4	3.69	3.71		3.69	3.71		5.6	5.7
						27.7		7.31		89.1		3.73			5.8				

Monitoring Station : C1

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)		Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
03/01/13	0959-1014	17/Fine	Surface	1.0	18.3	26.9	27.0	6.41	6.42	81.4	81.6	3.46	3.44	3.73	5.4	5.4	5.7
				7.8	18.4	27.2		6.43		81.7		3.41			5.4		
			Middle	7.8	18.3	27.1	27.3	6.37	6.39	80.9	81.1	3.72	3.73		5.6	5.6	
				14.6	18.5	27.2		6.40		81.3		3.74			5.6		
			Bottom	14.6	18.5	27.3	27.4	6.12	6.11	77.7	77.5	4.01	4.03		6.0	6.0	
				7.8	18.3	27.2		6.09		77.3		4.04			6.0		
05/01/13	1130-1144	12/Fine	Surface	1.0	18.2	27.1	27.2	6.39	6.38	81.0	80.8	3.52	3.53	3.82	5.4	5.5	5.8
				7.9	18.3	27.3		6.27		79.5		3.85			5.6		
			Middle	7.9	18.3	27.2	27.3	6.31	6.29	80.0	79.8	3.82	3.84		5.8	5.8	
				14.8	18.4	27.3		6.08		77.1		4.12			6.0		
			Bottom	14.8	18.4	27.4	27.4	6.05	6.07	76.7	76.9	4.07	4.10		6.0	6.0	
				1.0	17.5	27.4		6.65		81.5		3.62			5.4		
08/01/13	1358-1410	17/Fine	Surface	1.0	17.5	27.5	27.5	6.69	6.67	82.0	81.8	3.57	3.60	3.83	5.4	5.5	5.8
				7.9	17.6	27.7		6.40		78.4		3.88			5.6		
			Middle	7.9	17.6	27.7	27.7	6.44	6.42	78.9	78.7	3.81	3.85		5.8	5.8	
				14.8	17.8	27.9		6.21		76.0		4.04			6.0		
			Bottom	14.8	17.8	27.9	27.9	6.24	6.23	76.4	76.2	4.08	4.06		6.0	6.0	
				1.0	17.5	27.3		6.76		82.7		3.42			5.4		
10/01/13	1529-1543	16/Fine	Surface	1.0	17.5	27.3	27.4	6.80	6.78	83.2	83.0	3.46	3.44	3.61	5.4	5.4	5.6
				6.6	17.5	27.5		6.69		81.9		3.56			5.6		
			Middle	6.6	17.5	27.4	27.5	6.64	6.67	81.2	81.6	3.51	3.54		5.4	5.5	
				12.2	17.6	27.5		6.82		81.1		3.88			5.8		
			Bottom	12.2	17.6	27.6	27.6	6.58	6.60	80.6	80.9	3.83	3.86		6.0	5.9	
				1.0	17.2	27.3		6.95		85.2		3.62			5.6		
12/01/13	0812-0827	14/Cloudy	Surface	1.0	17.2	27.3	27.3	6.91	6.93	84.7	85.0	3.57	3.60	3.77	5.4	5.5	5.7
				7.4	17.2	27.4		6.86		84.1		3.80			5.8		
			Middle	7.4	17.2	27.5	27.5	6.81	6.84	83.4	83.8	3.74	3.77		5.6	5.7	
				13.8	17.2	27.7		6.74		82.6		3.91			5.8		
			Bottom	13.8	17.2	27.7	27.7	6.71	6.73	82.3	82.5	3.96	3.94		6.0	5.9	
				1.0	17.2	27.2		7.01		85.8		3.75			5.6		
15/01/13	0858-0910	15/Fine	Surface	1.0	17.2	27.3	27.3	7.03	7.02	86.1	86.0	3.71	3.73	3.92	5.6	5.6	5.8
				7.7	17.3	27.3		6.98		85.5		3.88			5.8		
			Middle	7.7	17.3	27.2	27.3	6.95	6.97	85.1	85.3	3.93	3.91		5.8	5.8	
				14.4	17.4	27.4		6.90		84.5		4.15			6.2		
			Bottom	14.4	17.4	27.5	27.5	6.96	6.93	85.2	84.9	4.11	4.13		6.0	6.1	
				1.0	17.3	26.7		7.25		88.4		2.94			4.8		
17/01/13	1032-1046	17/Fine	Surface	1.0	17.3	26.8	26.8	7.29	7.27	88.9	88.7	3.00	2.97	3.13	5.0	4.9	5.0
				7.3	17.3	27.0		7.18		87.5		3.09			5.0		
			Middle	7.3	17.3	27.0	27.0	7.16	7.17	87.3	87.4	3.14	3.12		5.2	5.1	
				13.6	17.3	27.1		7.07		86.2		3.32			5.2		
			Bottom	13.6	17.3	27.2	27.2	7.10	7.09	86.6	86.4	3.27	3.30		6.0	5.1	
				1.0	17.2	27.1		7.50		91.6		3.61			5.4		
19/01/13	1156-1208	14/Cloudy	Surface	1.0	17.2	27.1	27.1	7.54	7.52	92.1	91.9	3.57	3.59	3.87	5.4	5.4	5.6
				7.4	17.3	27.2		7.34		89.6		3.97			5.6		
			Middle	7.4	17.3	27.3	27.3	7.37	7.36	90.0	89.8	3.92	3.95		5.6	5.6	
				13.8	17.4	27.3		7.25		88.5		4.04			5.8		
			Bottom	13.8	17.4	27.3	27.3	7.28	7.27	88.9	88.7	4.09	4.07		6.0	5.9	
				1.0	17.6	27.2		7.57		92.3		3.56			5.4		
22/01/13	1032-1046	19/Fine	Surface	1.0	17.6	27.2	27.2	7.61	7.59	92.8	92.6	3.52	3.54	3.82	5.4	5.4	5.7
				7.4	17.8	27.3		7.41		90.3		3.92			5.4		
			Middle	7.4	17.8	27.4	27.4	7.44	7.43	90.7	90.5	3.87	3.90		5.8	5.8	
				13.8	17.8	27.5		7.32		89.2		3.99			6.0		
			Bottom	13.8	17.8	27.6	27.6	7.35	7.34	89.6	89.4	4.04	4.02		6.0	6.0	
				1.0	17.8	27.2		7.83		95.5		3.63			5.6		
24/01/13	1422-1436	21/Fine	Surface	1.0	17.8	27.3	27.3	7.79	7.81	95.0	95.3	3.59	3.61	3.86	5.6	5.6	5.8
				7.2	17.8	27.3		7.74		94.5		3.89			5.8		
			Middle	7.2	17.8	27.4	27.4	7.79	7.77	95.0	94.8	3.93	3.91		5.8	5.8	
				13.4	17.8	27.5		7.62		93.0		4.02			6.0		
			Bottom	13.4	17.8	27.5	27.5	7.59	7.61	92.6	92.8	4.08	4.05		6.0	6.0	
				1.0	17.6	27.3		7.60		92.7		3.84			5.8		
26/01/13	1554-1605	18/Fine	Surface	1.0	17.6	27.3	27.3	7.63	7.62	93.0	92.9	3.79	3.82	3.94	5.8	5.8	5.9
				7.4	17.8	27.5		7.29		88.8		3.98			6.0		
			Middle	7.4	17.8	27.6	27.6	7.25	7.27	88.3	88.6	3.92	3.95		5.8	5.9	
				13.8	17.9	27.6		7.31		89.1		4.10			6.2		
			Bottom	13.8	17.9	27.6	27.6	7.34	7.33	89.5	89.3	4.01	4.06		6.0	6.1	
				1.0	17.4	27.2		7.66		93.4		3.30			5.2		
29/01/13	0752-0805	15/Fine	Surface	1.0	17.4	27.3	27.3	7.69	7.68	93.7	93.6	3.33	3.32	3.50	5.2	5.2	5.4
				7.9	17.5	27.4		7.57		92.3		3.47			5.4		
			Middle	7.9	17.5	27.4	27.4	7.53	7.55	91.8	92.1	3.51	3.49		5.4	5.4	
				14.8	17.7	27.5		7.44		90.7		3.66			5.6		
			Bottom	14.8	17.7	27.6	27.6	7.40	7.42	90.2	90.5	3.70	3.68		5.5	5.6	
				1.0	17.4	27.2		7.69		93.7		3.33			5.2		

Mid-Flood Tide

Monitoring Station : C3

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)		Dissolved Oxygen Saturation (%)		Turbidity (NTU)		Suspended Solids (mg/L)						
						Value	Average	Value	Average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average			
03/01/13	1018-1033	17/Fine	Surface	1.0	18.2	27.0	27.1	6.44	6.45	81.8	81.9	3.54	3.56	3.76	5.4	5.5	5.6			
						27.1		6.45		81.9		3.58			5.6					
						27.2		6.33		80.4		3.66			5.6					
			Middle	6.9	18.4	27.3	27.3	6.35	6.34	80.6	80.5	3.62	3.64		3.62	3.64		5.4	5.5	5.6
						27.4		6.14		78.0		4.09			6.0					
						27.5		6.16		78.2		4.06			5.8					
			Bottom	12.8	18.4	27.0	27.1	6.41	6.39	81.3	81.1	3.58	3.61		3.63	3.61		5.4	5.5	5.6
						27.1		6.37		80.8		3.63			5.6					
						27.2		6.25		79.3		3.70			5.6					
05/01/13	1150-1203	12/Fine	Surface	1.0	18.2	27.2	27.3	6.30	6.28	79.9	79.6	3.75	3.73	3.82	5.6	5.7	5.8			
						27.3		6.30		79.9		3.75			5.8					
						27.4		6.09		77.2		4.11			6.0					
			Middle	7.0	18.2	27.5	27.5	6.14	6.12	77.9	77.6	4.15	4.13		4.13	4.13		6.2	6.1	6.0
						27.6		6.14		77.9		4.15			6.2					
						27.7		6.48		79.4		3.71			5.6					
			Bottom	13.0	18.3	27.8	27.7	6.44	6.29	78.9	77.1	3.68	3.62		3.62	3.62		5.6	5.6	5.8
						27.9		6.31		77.3		3.63			5.6					
						27.9		6.27		76.8		3.60			5.6					
08/01/13	1415-1427	17/Fine	Surface	1.0	17.5	27.5	27.5	6.44	6.46	78.9	79.2	3.68	3.70	3.73	5.6	5.6	5.7			
						27.6		6.44		78.9		3.68			5.6					
						27.6		6.31		77.3		3.63			5.6					
			Middle	6.9	17.6	27.7	27.7	6.27	6.29	76.8	77.1	3.60	3.62		3.62	3.62		5.6	5.6	5.8
						27.9		6.15		75.3		3.91			5.8					
						27.9		6.18		75.7		3.87			5.8					
			Bottom	12.8	17.8	27.4	27.4	6.87	6.90	84.1	84.4	3.61	3.60		3.60	3.60		5.6	5.6	5.6
						27.4		6.92		84.7		3.58			5.6					
						27.4		6.82		83.5		3.69			5.6					
10/01/13	1550-1604	16/Fine	Surface	1.0	17.5	27.5	27.5	6.79	6.81	83.1	83.3	3.73	3.71	3.77	5.8	5.7	5.8			
						27.5		6.79		83.1		3.73			5.8					
						27.6		6.68		81.1		3.98			6.0					
			Middle	6.5	17.5	27.6	27.6	6.65	6.67	81.5	81.3	4.02	4.00		4.00	4.00		6.0	6.0	6.0
						27.6		6.65		81.5		4.02			6.0					
						27.7		7.00		85.8		3.52			5.8					
			Bottom	12.0	17.5	27.2	27.3	7.00	6.99	85.8	85.6	3.52	3.50		3.50	3.50		5.8	5.6	5.6
						27.3		6.97		85.4		3.47			5.4					
						27.4		6.86		84.1		3.66			5.4					
12/01/13	0832-0845	14/Cloudy	Surface	1.0	17.1	27.4	27.4	6.81	6.84	83.4	83.8	3.60	3.63	3.66	5.6	5.5	5.6			
						27.4		6.81		83.4		3.60			5.6					
						27.6		6.78		83.1		3.84			5.6					
			Middle	6.9	17.2	27.6	27.6	6.73	6.76	83.1	83.1	3.88	3.86		3.86	3.86		5.6	5.7	5.8
						27.6		6.73		83.1		3.88			5.8					
						27.7		6.92		84.7		3.92			5.8					
			Bottom	12.8	17.2	27.1	27.1	6.89	6.91	84.4	84.6	3.95	3.94		3.94	3.94		5.8	5.8	5.8
						27.1		6.89		84.4		3.95			5.8					
						27.4		6.84		83.7		4.10			6.2					
15/01/13	0916-0928	15/Fine	Surface	1.0	17.2	27.4	27.4	6.80	6.82	83.3	83.5	4.02	4.06	4.04	6.0	6.1	6.0			
						27.4		6.80		83.3		4.02			6.0					
						27.5		6.87		84.1		4.09			6.0					
			Middle	6.9	17.3	27.5	27.5	6.84	6.86	83.7	83.9	4.13	4.11		4.11	4.11		6.2	6.1	6.2
						27.5		6.84		83.7		4.13			6.2					
						27.6		7.38		90.0		3.08			5.0					
			Bottom	12.8	17.4	26.8	26.8	7.38	7.36	89.5	89.8	3.14	3.11		3.11	3.11		5.2	5.1	5.2
						26.8		7.34		89.5		3.14			5.2					
						26.9		7.27		88.6		3.20			5.2					
17/01/13	1051-1105	17/Fine	Surface	1.0	17.3	26.9	26.9	7.24	7.26	88.3	88.5	3.26	3.23	3.24	5.4	5.3	5.3			
						26.9		7.24		88.3		3.26			5.4					
						27.1		7.13		86.9		3.35			5.4					
			Middle	6.9	17.3	27.1	27.1	7.10	7.12	86.6	86.8	3.39	3.37		3.37	3.37		5.6	5.5	5.6
						27.1		7.10		86.6		3.39			5.6					
						27.2		7.42		90.6		3.59			5.4					
			Bottom	12.8	17.3	27.2	27.2	7.45	7.44	91.0	90.8	3.51	3.55		3.55	3.55		5.4	5.4	5.4
						27.2		7.42		89.8		3.75			5.6					
						27.3		7.30		89.2		3.79			5.6					
19/01/13	1215-1227	14/Cloudy	Surface	1.0	17.2	27.3	27.3	7.27	7.29	88.8	89.0	3.75	3.77	3.76	5.6	5.6	5.6			
						27.3		7.27		88.8		3.75			5.6					
						27.4		7.19		87.8		3.99			5.8					
			Middle	6.8	17.3	27.4	27.4	7.15	7.17	87.3	87.6	3.92	3.96		3.96	3.96		5.6	5.7	5.6
						27.4		7.15		87.3		3.92			5.6					
						27.5		7.49		91.3		3.54			5.4					
			Bottom	12.6	17.4	27.2	27.2	7.52	7.51	91.7	91.5	3.46	3.50		3.50	3.50		5.4	5.4	5.4
						27.3		7.34		89.5		3.70			5.6					
						27.4		7.37		89.8		3.74			5.6					
22/01/13	1051-1105	19/Fine	Surface	1.0	17.7	27.5	27.5	7.26	7.24	88.5	88.3	3.94	3.91	3.71	5.8	5.8	5.6			
						27.5		7.26		88.5		3.94			5.8					
						27.6		7.22		88.0		3.87			5.8					
			Middle	6.8	17.7	27.4	27.4	7.34	7.36	89.5	89.7	3.70	3.72		3.72	3.72		5.6	5.6	5.6
						27.5		7.37		89.8		3.74			5.6					
						27.5		7.26		88.5		3.94			5.8					
			Bottom	12.6	17.8	27.4	27.4	7.58	7.56	92.5	92.2	4.01	4.03		4.03	4.03		6.0	6.0	6.0
						27.4		7.58		92.5		4.01			6.0					
						27.4		7.53		91.9		4.05			6.0					
24/01/13	1441-1455	21/Fine	Surface	1.0	17.7	27.3	27.3	7.67	7.69	93.5	93.8	3.90	3.92	3.91	5.6	5.7	5.8			
						27.3		7.67		93.5		3.90			5.6					
						27.4		7.53		91.9		4.05			6.0					
			Middle	6.8	17.7	27.4	27.4	7.58	7.56	92.5	92.2	4.01	4.03		4.03	4.03		6.0	6.0	6.0
						27.4		7.58		92.5		4.01			6.0					
						27.4		7.64		93.2		3.77			5.6					
			Bottom	12.6	17.8	27.3	27.3	7.60	7.62	92.7	93.0	3.72	3.75		3.75	3.75		5.6	5.6	5.6
						27.3		7.60		92.7		3.72			5.6					
						27.5		7.33		89.4		3.88			5.8					
26/01/13	1610-1622	18/Fine	Surface	1.0	17.7	27.5	27.5	7.30	7.32	89.0	89.2	3.94	3.91	3.94	5.8	5.8	5.9			
						27.5		7.30		89.0		3.94			5.8					
						27.6		7.25		88.3		4.15			6.2					
			Middle	6.8	17.8	27.6	27.6	7.21	7.23	87.8	88.1	4.19	4.17		4.17	4.17		6.2	6.2	6.2
						27.6		7.21		87.8		4.19			6.2					
						27.7		7.21		87.8		4.19			6.2					
			Bottom	12.6	17.8	27.3	27.4	7.51	7.53	91.5	91.8	3.35	3.38		3.38	3.38		5.2	5.3	5.2
						27.4		7.55		92.0		3.40			5.4					
						27.5		7.39		90.1		3.52			5.4					
29/01/13	0811-0823	15/Fine	Surface	1.0	17.4	27.6	27.6	7.41	7.40	90.3	90.2	3.56	3.54	3.54	5.6	5.5	5.5			
						27.6		7.41		90.3		3.56			5.6					
						27.6		7.26		88.5		3.70			5.6					
			Middle	7.0	17.6	27.7	27.7	7.30	7.28	89.0	88.8	3.73	3.72		3.72	3.72		5.6	5.6	5.6
						27.7		7.30		89.0		3.73			5.6					
						27.7		7.30		89.0		3.73			5.6					

Mid-Ebb Tide

Monitoring Station : C2

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)		Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)								
						Value	Average	Value	Average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average						
03/01/13	1800-1815	17/Fine	Surface	1.0	18.3	26.9	27.0	6.44	6.42	81.8	81.6	3.57	3.56	3.80	5.5	5.5	5.8						
						27.0		6.40		81.3		3.54			5.4								
						27.1		6.31		80.2		3.85			5.8								
			Middle	8.6	18.4	27.1	27.1	6.28	6.30	79.8	80.0	3.81	3.83		5.8	5.8		3.80	5.8	5.8	5.8		
						27.3		6.02		76.6		3.98			6.0								
						27.3		6.05		77.0		4.03			6.0								
			Bottom	16.2	18.5	27.3	27.3	6.29	6.04	76.8	76.8	3.41	4.01		6.0	6.0			3.80	6.0		6.0	5.8
						27.4		6.39		77.2		3.41			5.5								
						27.1		6.42		81.2		3.43			5.4								
05/01/13	1947-2002	14/Fine	Surface	1.0	18.2	27.1	27.1	6.42	6.41	81.5	81.4	3.65	3.63	3.66	5.5	5.5	5.6						
						27.1		6.20		78.7		3.61			5.6								
						27.3		6.25		79.4		3.61			5.6								
			Middle	8.7	18.4	27.4	27.4	6.12	6.23	77.7	79.1	3.90	3.63		5.8	5.8		3.66		5.8	5.8	5.6	
						27.4		6.18		78.5		3.98			5.8								
						27.4		6.40		82.2		3.98			5.8								
			Bottom	16.4	18.5	27.4	27.4	6.36	6.15	77.9	78.1	3.54	3.94		6.0	6.0			3.66	6.0	6.0		5.8
						27.4		6.27		76.8		3.83			5.5								
						27.5		6.24		76.4		3.81			5.4								
08/01/13	1032-1050	16/Cloudy	Surface	1.0	17.3	27.5	27.5	6.36	6.38	77.9	78.2	3.54	3.56	3.79	5.5	5.5	5.8						
						27.6		6.27		76.8		3.83			5.4								
						27.7		6.24		76.4		3.81			5.8								
			Middle	8.7	17.4	27.7	27.7	5.98	6.26	73.3	76.6	3.98	3.82		6.0	6.0		3.79		6.0	6.0	5.8	
						27.9		6.01		73.6		4.03			6.0								
						27.4		6.18		73.3		3.98			5.8								
			Bottom	16.4	17.5	27.9	27.9	6.74	6.00	82.2	73.5	3.41	4.01		5.5	5.5			3.79	5.5	5.5		5.8
						27.4		6.80		82.9		3.44			5.4								
						27.5		6.64		81.0		3.46			5.6								
10/01/13	1245-1300	18/Cloudy	Surface	1.0	17.3	27.3	27.4	6.74	6.77	82.2	82.6	3.41	3.43	3.56	5.5	5.5	5.6						
						27.4		6.80		82.9		3.44			5.4								
						27.5		6.60		80.5		3.42			5.4								
			Middle	8.7	17.4	27.5	27.5	6.64	6.62	81.0	80.8	3.46	3.44		5.6	5.6		3.56		5.6	5.6	5.5	
						27.5		6.84		83.3		3.81			5.8								
						27.5		6.86		83.6		3.83			5.8								
			Bottom	16.4	17.4	27.6	27.6	6.84	6.85	83.3	83.5	3.81	3.82		5.8	5.8			3.56	5.8	5.8		5.5
						27.5		6.86		83.6		3.83			5.8								
						27.3		6.74		82.6		3.56			5.5								
12/01/13	1429-1445	18/Cloudy	Surface	1.0	17.3	27.3	27.3	6.74	6.73	82.6	82.3	3.56	3.57	3.79	5.5	5.6	5.8						
						27.3		6.72		81.9		3.58			5.6								
						27.4		6.59		80.8		3.80			5.8								
			Middle	8.7	17.3	27.4	27.4	6.61	6.60	81.0	80.9	3.88	3.84		5.8	5.8		3.79		5.8	5.8	5.5	
						27.6		6.48		79.4		3.96			6.0								
						27.7		6.47		79.3		3.93			5.8								
			Bottom	16.4	17.4	27.7	27.7	6.47	6.48	79.3	79.4	3.93	3.95		5.8	5.9			3.79	5.8	5.9		6.0
						27.4		7.03		86.0		4.02			6.0								
						27.3		7.05		86.3		4.08			5.8								
15/01/13	1653-1710	18/Fine	Surface	1.0	17.4	27.4	27.4	7.03	7.04	86.0	86.2	4.02	4.05	4.05	6.0	6.0	6.0						
						27.3		6.80		83.2		3.97			5.8								
						27.4		6.88		84.2		3.93			6.0								
			Middle	8.5	17.4	27.4	27.4	6.88	6.84	84.2	83.7	3.93	3.95		5.8	5.9		4.05		5.8	5.9	6.1	
						27.5		6.85		83.8		4.14			6.0								
						27.5		6.89		84.3		4.16			6.2								
			Bottom	16.0	17.5	27.5	27.5	6.89	6.87	84.3	84.1	4.16	4.15		6.2	6.1			4.05	6.1	6.1		5.1
						27.4		7.36		89.8		3.02			5.2								
						27.0		7.32		89.3		3.06			5.2								
17/01/13	1822-1840	20/Fine	Surface	1.0	17.3	26.9	27.0	7.36	7.34	89.8	89.6	3.02	3.04	3.22	5.0	5.1	5.2						
						27.0		7.32		89.3		3.06			5.2								
						27.1		7.21		88.0		3.21			5.2								
			Middle	8.7	17.4	27.2	27.2	7.17	7.19	87.5	87.8	3.27	3.24		5.2	5.2		3.22		5.2	5.2	5.4	
						27.3		6.98		85.2		3.36			5.4								
						27.4		7.04		85.9		3.41			5.4								
			Bottom	16.4	17.5	27.4	27.4	7.04	7.01	85.9	85.6	3.41	3.39		5.4	5.4			3.22	5.4	5.4		5.1
						27.2		7.53		91.9		3.63			5.0								
						27.2		7.52		91.7		3.66			5.2								
19/01/13	1958-2013	13/Cloudy	Surface	1.0	17.2	27.2	27.2	7.53	7.53	91.9	91.8	3.63	3.65	3.94	5.0	5.1	5.4						
						27.2		7.52		91.7		3.66			5.2								
						27.3		7.46		91.0		4.03			5.4								
			Middle	8.5	17.3	27.3	27.3	7.40	7.43	90.3	90.7	4.10	4.07		5.6	5.5		3.94		5.6	5.5	5.4	
						27.4		7.29		88.9		4.08			5.6								
						27.4		7.24		88.3		4.11			5.8								
			Bottom	16.0	17.4	27.4	27.4	7.24	7.27	88.3	88.6	4.11	4.10		5.8	5.7			3.94	5.8	5.7		5.1
						27.2		7.67		93.5		3.18			5.0								
						27.2		7.65		93.3		3.20			5.2								
22/01/13	2157-2215	21/Fine	Surface	1.0	17.6	27.2	27.2	7.67	7.66	93.5	93.4	3.18	3.19	3.33	5.0	5.1	5.3						
						27.3		7.48		91.2		3.34			5.2								
						27.4		7.50		91.4		3.36			5.4								
			Middle	8.6	17.7	27.4	27.4	7.50	7.49	91.4	91.3	3.36	3.35		5.4	5.3		3.33		5.4	5.3	5.4	
						27.5		7.23		88.1		3.48			5.4								
						27.5		7.25		88.4		3.44			5.4								
			Bottom	16.2	17.8	27.5	27.5	7.25	7.24	88.4	88.3	3.44	3.46		5.4	5.4			3.33	5.4	5.4		5.1
						27.3		7.70		93.9		3.24			5.0								
						27.4		7.74		94.4		3.26			5.2								
24/01/13	1148-1200	19/Fine	Surface	1.0	17.5	27.3	27.4	7.70	7.72	93.9	94.2	3.24	3.25	3.49	5.0	5.1	5.4						
						27.4		7.74		94.4		3.26			5.2								
						27.4		7.50		91.5		3.49			5.4								
			Middle	9.1	17.7	27.4	27.4	7.48	7.49	91.3	91.4	3.52	3.51		5.4	5.4		3.49		5.4	5.4	5.6	
						27.4		7.48		91.3		3.52			5.4								
						27.5		7.39		90.2		3.70			5.6								
			Bottom	17.2	17.8	27.6	27.6	7.40	7.40	90.3	90.3	3.74	3.72		5.6	5.6			3.49	5.6	5.6		5.4
						27.3		7.65		93.3		3.29			5.0								
						27.3		7.69		93.7		3.31			5.2								
26/01/13	1327-1345	17/Fine	Surface	1.0	17.6	27.2	27.3	7.65	7.67	93.3	93.5	3.29	3.30	3.54	5.0	5.1	5.4						
						27.3		7.69		93.7		3.31			5.2								
						27.3		7.45		90.8		3.54			5.4								
			Middle	8.8	17.6	27.4	27.4	7.43	7.44	90.6	90.7	3.57	3.56		5.4	5.4		3.54		5.4	5.4	5.7	
						27.4		7.34		89.5		3.75			5.6								
						27.4		7.35		89.6		3.79			5.8								
			Bottom	16.6	17.8	27.5	27.5	7.35	7.35	89.6	89.6	3.79	3.77		5.8	5.7			3.54	5.8	5.7		5.2
						27.3		7.68		93.6		3.34			5.0								
						27.4		7.70		93.8		3.38			5.4								
29/01/13	1547-1600	18/Fine	Surface	1.0	17.6	27.3	27.4	7.68	7.69	93.6	93.7	3.34	3.36	3.54	5.0	5.2	5.5						
						27.4		7.70		93.8		3.38			5.4								
						27.3		7.62		92.9		3.58			5.6								
			Middle	9.2	17.7	27.4	27.4	7.64	7.63	93.2	93.1	3.62	3.60		5.6	5.6		3.54		5.6	5.6	5.7	
						27.6		7.43		90.5		3.64			5.6								
						27.6		7.41		90.3		3.67			5.8								

Mid-Ebb Tide

Monitoring Station : C4

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)		Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
03/01/13	1743-1757	17/Fine	Surface	1.0	18.3	26.9	26.9	6.42	6.44	81.5	81.7	3.50	3.53	3.80	5.4	5.4	5.7
				8.9	18.3	26.9		6.45		81.9		3.55			5.4		
			Middle	27.1	27.1	6.30	6.28	80.1	79.9	3.82	3.81	5.8	5.8				
				27.0		6.26		79.6		3.79		5.8					
			Bottom	16.8	18.5	27.3	27.3	6.13	6.11	77.9	77.7	4.04	4.06		6.0	6.0	
				27.2	6.09	77.4		4.08		6.0							
05/01/13	1929-1944	14/Fine	Surface	1.0	18.3	27.0	27.0	6.37	6.39	80.7	81.0	3.30	3.32	3.68	5.2	5.2	5.5
				27.0	6.40	81.3		3.34		5.2							
			Middle	9.0	18.3	27.2	27.2	6.28	6.29	79.8	79.9	3.62	3.66		5.4	5.5	
				27.1	6.30	80.0		3.69		5.6							
			Bottom	17.0	18.4	27.4	27.4	6.08	6.05	77.2	76.9	4.07	4.05		5.8	5.9	
				27.3	6.02	76.5		4.03		6.0							
08/01/13	1016-1028	16/Cloudy	Surface	1.0	17.3	27.4	27.5	6.38	6.40	78.2	78.4	3.50	3.53	3.80	5.4	5.4	5.7
				27.5	6.41	78.5		3.55		5.4							
			Middle	9.1	17.5	27.5	27.6	6.26	6.24	76.7	76.5	3.82	3.81		5.8	5.7	
				27.6	6.22	76.2		3.79		5.6							
			Bottom	17.2	17.6	27.7	27.8	6.09	6.07	74.6	74.4	4.05	4.07		6.0	6.0	
				27.8	6.05	74.1		4.09		6.0							
10/01/13	1230-1243	18/Cloudy	Surface	1.0	17.3	27.4	27.4	6.89	6.91	84.1	84.3	3.58	3.60	3.72	5.4	5.5	5.7
				27.4	6.92	84.4		3.62		5.6							
			Middle	9.1	17.4	27.6	27.6	6.58	6.60	80.3	80.6	3.65	3.68		5.6	5.6	
				27.5	6.62	80.8		3.70		5.6							
			Bottom	17.2	17.4	27.6	27.6	6.83	6.84	83.4	83.6	3.84	3.87		5.8	5.9	
				27.6	6.85	83.7		3.90		6.0							
12/01/13	1413-1426	18/Cloudy	Surface	1.0	17.3	27.3	27.3	6.79	6.80	83.2	83.3	3.51	3.53	3.73	5.4	5.4	5.6
				27.3	6.80	83.4		3.54		5.4							
			Middle	9.0	17.3	27.4	27.4	6.58	6.57	80.7	80.6	3.74	3.72		5.6	5.6	
				27.3	6.56	80.4		3.70		5.6							
			Bottom	17.0	17.4	27.6	27.6	6.52	6.51	79.9	79.8	3.90	3.93		5.8	5.9	
				27.6	6.50	79.7		3.96		6.0							
15/01/13	1633-1649	18/Fine	Surface	1.0	17.3	27.4	27.5	7.08	7.10	86.7	86.9	3.98	3.99	3.92	5.8	5.9	5.9
				27.5	7.12	87.1		3.99		6.0							
			Middle	9.1	17.4	27.5	27.5	6.74	6.72	82.5	82.3	3.83	3.82		5.8	5.8	
				27.5	6.70	82.0		3.80		5.8							
			Bottom	17.2	17.5	27.4	27.5	6.75	6.76	82.6	82.8	3.95	3.95		5.8	5.9	
				27.5	6.77	82.9		3.94		6.0							
17/01/13	1803-1818	20/Fine	Surface	1.0	17.4	26.9	27.0	7.39	7.37	90.2	90.0	2.94	2.97	3.18	4.8	4.9	5.2
				27.0	7.35	89.7		3.00		5.0							
			Middle	9.1	17.5	27.0	27.1	7.28	7.26	88.8	88.5	3.18	3.20		5.0	5.1	
				27.1	7.23	88.2		3.22		5.2							
			Bottom	17.2	17.5	27.2	27.3	7.07	7.04	86.3	85.9	3.40	3.38		5.4	5.5	
				27.3	7.01	85.5		3.35		5.5							
19/01/13	1933-1948	13/Cloudy	Surface	1.0	17.2	27.2	27.2	7.48	7.49	91.3	91.4	3.41	3.44	3.86	5.2	5.3	5.6
				27.2	7.50	91.5		3.47		5.4							
			Middle	9.0	17.3	27.3	27.3	7.38	7.39	90.0	90.2	3.99	3.96		5.4	5.5	
				27.3	7.40	90.3		3.92		5.6							
			Bottom	17.0	17.4	27.4	27.4	7.30	7.29	89.1	89.0	4.16	4.18		5.8	5.9	
				27.4	7.28	88.8		4.20		6.0							
22/01/13	2141-2153	21/Fine	Surface	1.0	17.6	27.2	27.3	7.44	7.45	90.7	90.8	3.25	3.26	3.38	5.2	5.2	5.4
				27.3	7.46	90.9		3.27		5.2							
			Middle	9.2	17.6	27.3	27.4	7.38	7.39	89.9	90.1	3.36	3.38		5.4	5.4	
				27.4	7.40	90.2		3.40		5.4							
			Bottom	17.4	17.7	27.4	27.5	7.28	7.30	88.7	88.9	3.50	3.51		5.6	5.6	
				27.5	7.31	89.1		3.52		5.5							
24/01/13	1138-1147	19/Fine	Surface	1.0	17.6	27.2	27.3	7.62	7.64	92.9	93.2	3.20	3.22	3.47	5.2	5.2	5.4
				27.3	7.66	93.5		3.24		5.2							
			Middle	8.8	17.7	27.5	27.5	7.41	7.42	90.4	90.5	3.52	3.51		5.4	5.4	
				27.4	7.43	90.6		3.50		5.4							
			Bottom	16.6	17.8	27.6	27.6	7.32	7.33	89.3	89.4	3.67	3.68		5.6	5.6	
				27.5	7.34	89.5		3.68		5.5							
26/01/13	1311-1323	17/Fine	Surface	1.0	17.6	27.2	27.3	7.57	7.59	92.3	92.6	3.25	3.27	3.52	5.2	5.2	5.4
				27.3	7.61	92.8		3.29		5.2							
			Middle	9.1	17.7	27.4	27.4	7.36	7.37	89.7	89.9	3.57	3.56		5.4	5.5	
				27.4	7.38	90.0		3.55		5.6							
			Bottom	17.2	17.8	27.5	27.6	7.27	7.28	88.6	88.8	3.72	3.73		5.6	5.6	
				27.6	7.29	88.9		3.73		5.5							
29/01/13	1529-1542	18/Fine	Surface	1.0	17.5	27.3	27.3	7.64	7.65	93.1	93.2	3.30	3.32	3.51	5.2	5.2	5.4
				27.3	7.65	93.3		3.34		5.2							
			Middle	9.4	17.7	27.4	27.5	7.52	7.51	91.7	91.6	3.52	3.53		5.4	5.4	
				27.5	7.50	91.4		3.54		5.4							
			Bottom	17.8	17.9	27.6	27.7	7.40	7.39	90.2	90.1	3.70	3.68		5.6	5.6	
				27.7	7.38	89.9		3.65		5.5							

Mid-Ebb Tide

Monitoring Station : R5

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)		Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)				
						Value	Average	Value	Average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average		
03/01/13	1558-1612	18/Fine	Surface	1.0	18.3	27.0	27.0	6.46	6.44	82.0	81.8	3.47	3.49	3.80	5.5	5.5	5.7		
						26.9		6.42		81.5		3.50			5.4				
			Middle	8.5	18.4	27.1	27.1	6.30	6.29	80.0	79.8	3.86	3.89		3.86	3.88		5.6	5.7
						27.1		6.27		79.6		3.89			5.8				
			Bottom	16.0	18.5	27.2	27.3	6.10	6.08	77.6	77.3	4.05	4.01		4.03	4.03		6.0	6.0
						27.3		6.06		77.0		4.01			6.0				
05/01/13	1730-1745	14/Fine	Surface	1.0	18.2	26.9	26.9	6.19	6.18	78.6	78.5	3.47	3.49	3.69	5.5	5.5	5.6		
						26.9		6.17		78.4		3.50			5.4				
			Middle	8.7	18.1	27.1	27.1	6.12	6.14	77.7	78.0	3.62	3.68		3.65	3.65		5.6	5.6
						27.1		6.16		78.2		3.68			5.6				
			Bottom	16.4	18.3	27.3	27.4	6.10	6.09	77.5	77.4	3.93	3.94		3.94	3.94		5.8	5.8
						27.4		6.08		77.2		3.94			5.8				
08/01/13	0840-0852	16/Cloudy	Surface	1.0	17.3	27.4	27.5	6.42	6.40	78.6	78.4	3.46	3.48	3.79	5.5	5.5	5.8		
						27.5		6.38		78.2		3.50			5.4				
			Middle	8.7	17.4	27.6	27.7	6.26	6.25	76.7	76.5	3.86	3.89		3.88	3.88		5.8	5.8
						27.7		6.23		76.3		3.89			5.8				
			Bottom	16.4	17.6	27.8	27.9	6.06	6.04	74.2	74.0	4.04	4.00		4.02	4.02		6.0	6.0
						27.9		6.02		73.7		4.00			6.0				
10/01/13	1100-1113	18/Cloudy	Surface	1.0	17.4	27.4	27.4	6.74	6.75	82.2	82.4	3.70	3.66	3.91	5.5	5.6	5.9		
						27.4		6.76		82.5		3.62			5.6				
			Middle	9.1	17.4	27.5	27.6	6.52	6.53	79.5	79.6	3.94	3.96		3.95	3.95		5.8	5.8
						27.6		6.53		79.7		3.96			5.8				
			Bottom	17.2	17.5	27.8	27.8	6.30	6.32	76.9	77.1	4.12	4.10		4.11	4.11		6.2	6.2
						27.7		6.34		77.3		4.10			6.2				
12/01/13	1237-1250	17/Cloudy	Surface	1.0	17.2	27.3	27.3	6.77	6.79	83.0	82.7	3.58	3.59	3.76	5.5	5.6	5.7		
						27.3		6.80		82.4		3.60			5.6				
			Middle	8.8	17.3	27.5	27.5	6.62	6.65	81.2	81.5	3.73	3.76		3.75	3.75		5.6	5.7
						27.4		6.67		81.8		3.76			5.8				
			Bottom	16.6	17.3	27.7	27.7	6.55	6.57	80.3	80.5	3.93	3.97		3.95	3.95		5.8	5.9
						27.6		6.58		80.7		3.97			6.0				
15/01/13	1445-1500	17/Fine	Surface	1.0	17.4	27.4	27.4	7.09	7.05	86.8	86.3	3.99	3.96	4.02	6.0	5.9	6.0		
						27.3		7.01		85.8		3.93			5.8				
			Middle	6.0	17.4	27.4	27.4	6.72	6.75	82.3	82.6	3.97	3.93		3.95	3.95		6.0	5.9
						27.4		6.78		82.9		3.93			5.8				
			Bottom	11.0	17.4	27.5	27.5	6.82	6.85	83.5	83.9	4.13	4.17		4.15	4.15		6.0	6.1
						27.4		6.88		84.2		4.17			6.2				
17/01/13	1615-1630	20/Fine	Surface	1.0	17.3	26.7	26.8	7.20	7.18	87.8	87.6	3.30	3.33	3.48	5.0	5.1	5.3		
						26.8		7.16		87.4		3.35			5.2				
			Middle	8.5	17.4	26.8	26.9	7.09	7.06	86.5	86.2	3.43	3.47		3.45	3.45		5.4	5.4
						26.9		7.03		85.8		3.47			5.4				
			Bottom	16.0	17.5	27.0	27.1	6.91	6.94	84.3	84.6	3.64	3.68		3.66	3.66		5.4	5.5
						27.1		6.96		84.9		3.68			5.6				
19/01/13	1745-1800	16/Cloudy	Surface	1.0	17.2	27.1	27.2	7.40	7.38	90.3	90.1	3.62	3.65	3.82	5.5	5.6	5.8		
						27.2		7.36		89.8		3.68			5.6				
			Middle	8.5	17.4	27.3	27.4	7.36	7.38	89.8	90.0	3.80	3.88		3.84	3.84		5.8	5.8
						27.4		7.39		90.2		3.88			5.8				
			Bottom	16.0	17.4	27.4	27.4	7.28	7.29	88.8	88.9	3.98	3.97		3.98	3.98		6.0	6.0
						27.4		7.29		88.9		3.97			6.0				
22/01/13	2005-2017	21/Fine	Surface	1.0	17.6	27.2	27.3	7.34	7.35	89.5	89.6	3.24	3.27	3.48	5.0	5.1	5.4		
						27.3		7.36		89.7		3.30			5.2				
			Middle	9.1	17.7	27.4	27.4	7.48	7.47	91.2	91.0	3.54	3.51		3.53	3.53		5.4	5.4
						27.3		7.45		90.8		3.51			5.4				
			Bottom	17.2	17.8	27.4	27.5	7.23	7.25	88.1	88.3	3.62	3.68		3.65	3.65		5.6	5.6
						27.5		7.26		88.5		3.68			5.6				
24/01/13	1038-1047	17/Fine	Surface	1.0	17.6	27.1	27.2	7.89	7.85	96.3	95.8	3.72	3.75	3.91	5.5	5.6	5.8		
						27.2		7.81		95.3		3.77			5.6				
			Middle	8.6	17.7	27.3	27.4	7.63	7.65	93.1	93.4	3.91	3.96		3.94	3.94		5.8	5.8
						27.4		7.67		93.6		3.96			5.8				
			Bottom	16.2	17.8	27.5	27.6	7.44	7.45	90.8	90.9	4.01	4.06		4.04	4.04		6.0	6.0
						27.6		7.46		91.0		4.06			6.0				
26/01/13	1135-1147	17/Fine	Surface	1.0	17.6	27.2	27.3	7.84	7.80	95.6	95.1	3.77	3.80	3.89	5.5	5.7	5.9		
						27.3		7.76		94.6		3.82			5.8				
			Middle	8.6	17.7	27.3	27.4	7.58	7.60	92.4	92.7	3.86	3.91		3.89	3.89		5.8	5.9
						27.4		7.62		92.9		3.91			6.0				
			Bottom	16.2	17.8	27.4	27.5	7.39	7.40	90.1	90.2	3.96	4.01		3.99	3.99		6.0	6.0
						27.5		7.41		90.3		4.01			6.0				
29/01/13	1340-1353	18/Fine	Surface	1.0	17.5	27.4	27.4	7.55	7.57	92.4	92.2	3.38	3.40	3.51	5.0	5.2	5.4		
						27.4		7.55		92.0		3.42			5.4				
			Middle	6.5	17.6	27.5	27.6	7.43	7.44	90.6	90.7	3.43	3.45		3.44	3.44		5.4	5.4
						27.6		7.44		90.7		3.45			5.4				
			Bottom	12.8	17.7	27.7	27.7	7.32	7.35	89.2	89.5	3.70	3.68		3.69	3.69		5.6	5.6
						27.6		7.37		89.8		3.68			5.6				

Mid-Ebb Tide



東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Monitoring Station : R6

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)		Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
03/01/13	1651-1705	18/Fine	Surface	1.0	18.3	27.1	27.2	6.47	6.45	82.1	81.9	3.59	3.61	3.80	5.4	5.5	5.7
						27.2		6.43		81.7		3.63			5.6		
			Middle	8.3	18.4	27.3	27.3	6.35	6.37	80.7	80.9	3.77	3.76		5.6	5.6	
						27.3		6.38		81.0		3.74			5.6		
			Bottom	15.6	18.5	27.3	27.4	6.13	6.11	77.9	77.6	4.02	4.04		6.0	6.0	
						27.4		6.08		77.3		4.06			6.0		
05/01/13	1835-1850	14/Fine	Surface	1.0	18.3	26.9	26.9	6.35	6.37	80.6	80.8	3.58	3.60	3.80	5.4	5.5	5.7
						26.8		6.36		81.0		3.62			5.6		
			Middle	8.5	18.3	27.2	27.1	6.24	6.23	79.2	79.1	3.91	3.92		5.8	5.9	
						27.0		6.22		78.9		3.93			6.0		
			Bottom	16.0	18.4	27.3	27.3	6.12	6.14	77.7	77.9	3.87	3.88		5.8	5.7	
						27.3		6.15		78.1		3.89			5.6		
08/01/13	0928-0940	16/Cloudy	Surface	1.0	17.3	27.4	27.5	6.43	6.41	78.8	78.6	3.59	3.61	3.80	5.6	5.6	5.8
						27.5		6.39		78.3		3.63			5.6		
			Middle	8.6	17.4	27.5	27.6	6.31	6.33	77.3	77.5	3.77	3.76		5.8	5.7	
						27.6		6.34		77.7		3.74			5.6		
			Bottom	16.2	17.5	27.7	27.8	6.09	6.07	74.6	74.3	4.00	4.03		6.0	6.0	
						27.8		6.04		74.0		4.06			6.0		
10/01/13	1145-1158	18/Cloudy	Surface	1.0	17.4	27.4	27.4	6.77	6.75	82.6	82.4	3.62	3.65	3.78	5.6	5.6	5.8
						27.3		6.73		82.1		3.68			5.6		
			Middle	8.3	17.4	27.6	27.7	6.54	6.55	79.8	79.9	3.72	3.75		5.8	5.8	
						27.7		6.56		80.0		3.78			5.8		
			Bottom	15.6	17.5	27.8	27.8	6.34	6.35	77.3	77.5	3.98	3.95		6.0	5.9	
						27.7		6.36		77.6		3.92			5.8		
12/01/13	1325-1338	17/Cloudy	Surface	1.0	17.2	27.2	27.3	6.94	6.95	85.1	85.2	3.57	3.59	3.79	5.4	5.5	5.7
						27.3		6.96		85.3		3.60			5.6		
			Middle	8.1	17.3	27.5	27.6	6.82	6.85	83.6	84.0	3.79	3.76		5.8	5.7	
						27.6		6.88		84.3		3.73			5.6		
			Bottom	15.2	17.2	27.6	27.7	6.74	6.75	82.6	82.8	4.01	4.03		6.0	6.0	
						27.7		6.76		82.9		4.04			6.0		
15/01/13	1539-1554	17/Fine	Surface	1.0	17.3	27.3	27.4	7.14	7.15	87.4	87.5	3.95	3.97	4.12	5.8	5.8	6.1
						27.4		7.16		87.6		3.99			5.8		
			Middle	7.3	17.4	27.4	27.4	6.95	6.97	85.1	85.4	4.12	4.14		6.2	6.2	
						27.4		6.99		85.6		4.16			6.2		
			Bottom	13.6	17.4	27.4	27.4	6.75	6.74	82.6	82.5	4.29	4.25		6.4	6.4	
						27.3		6.72		82.3		4.21			6.4		
17/01/13	1709-1724	20/Fine	Surface	1.0	17.4	26.8	26.9	7.35	7.33	89.7	89.5	3.04	3.07	3.23	5.0	5.0	5.2
						26.9		7.31		89.2		3.10			5.0		
			Middle	8.1	17.4	26.9	27.0	7.23	7.21	88.2	87.9	3.21	3.23		5.2	5.2	
						27.0		7.18		87.6		3.25			5.2		
			Bottom	15.2	17.5	27.1	27.2	7.06	7.08	86.1	86.4	3.38	3.40		5.4	5.4	
						27.2		7.10		86.6		3.42			5.4		
19/01/13	1839-1854	16/Cloudy	Surface	1.0	17.3	27.1	27.2	7.30	7.34	89.1	89.6	3.39	3.41	3.70	5.2	5.3	5.6
						27.2		7.38		90.0		3.42			5.4		
			Middle	8.0	17.3	27.3	27.3	7.20	7.19	87.8	86.7	3.62	3.64		5.6	5.6	
						27.3		7.18		85.6		3.66			5.6		
			Bottom	15.0	17.4	27.5	27.5	7.09	7.05	86.5	86.0	4.03	4.05		5.8	5.8	
						27.4		7.01		85.5		4.07			5.8		
22/01/13	2053-2105	21/Fine	Surface	1.0	17.6	27.2	27.3	7.36	7.37	89.7	89.8	3.29	3.31	3.69	5.2	5.2	5.6
						27.3		7.38		89.9		3.33			5.2		
			Middle	8.3	17.7	27.3	27.4	7.32	7.31	89.2	89.2	3.78	3.77		5.6	5.6	
						27.4		7.30		89.1		3.76			5.6		
			Bottom	15.5	17.7	27.4	27.4	7.25	7.26	88.4	88.5	3.95	3.98		5.8	5.9	
						27.4		7.27		88.6		4.00			6.0		
24/01/13	1108-1117	17/Fine	Surface	1.0	17.5	27.2	27.2	7.61	7.65	92.8	93.3	3.41	3.45	3.68	5.4	5.4	5.6
						27.2		7.68		93.7		3.49			5.4		
			Middle	8.0	17.6	27.5	27.6	7.50	7.49	91.5	91.4	3.62	3.64		5.6	5.6	
						27.6		7.48		91.3		3.66			5.6		
			Bottom	15.0	17.7	27.6	27.6	7.31	7.32	89.2	89.3	3.96	3.96		5.8	5.8	
						27.5		7.33		89.4		3.95			5.8		
26/01/13	1223-1235	17/Fine	Surface	1.0	17.6	27.2	27.3	7.56	7.60	92.2	92.6	3.46	3.50	3.73	5.4	5.4	5.7
						27.3		7.63		93.0		3.54			5.4		
			Middle	8.3	17.7	27.4	27.4	7.45	7.44	90.8	90.7	3.67	3.69		5.6	5.6	
						27.4		7.43		90.6		3.71			5.6		
			Bottom	15.6	17.7	27.5	27.6	7.26	7.27	88.5	88.6	4.01	4.01		6.0	6.0	
						27.6		7.28		88.7		4.00			6.0		
29/01/13	1438-1450	18/Fine	Surface	1.0	17.5	27.3	27.4	7.48	7.50	91.2	91.4	3.41	3.43	3.57	5.4	5.4	5.6
						27.4		7.51		91.5		3.45			5.4		
			Middle	8.1	17.6	27.7	27.7	7.42	7.45	90.4	90.8	3.57	3.59		5.6	5.6	
						27.6		7.47		91.1		3.60			5.6		
			Bottom	15.2	17.9	27.7	27.7	7.32	7.31	89.2	89.1	3.72	3.71		5.8	5.7	
						27.7		7.29		88.9		3.69			5.6		

Mid-Ebb Tide



Monitoring Station : R7

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)		Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)				
						Value	Average	Value	Average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average		
03/01/13	1708-1722	18/Fine	Surface	1.0	18.3	27.1	27.1	6.39	6.38	81.2	81.0	3.51	3.53	3.80	5.4	5.4	5.7		
						27.1		6.36		80.8		3.54			5.4				
			Middle	8.6	18.4	27.2	27.3	6.32	6.30	80.2	80.0	3.82	3.84		3.82	3.84		5.8	5.8
						27.3		6.27		79.7		3.86			5.8				
			Bottom	16.2	18.5	27.4	27.4	6.14	6.13	78.0	77.8	4.07	4.04		4.07	4.04		6.0	6.0
						27.4		6.11		77.6		4.01			6.0				
05/01/13	1854-1908	14/Fine	Surface	1.0	18.2	26.8	26.9	6.41	6.43	81.4	81.6	3.48	3.49	3.70	5.4	5.4	5.6		
						26.9		6.44		81.8		3.50			5.4				
			Middle	8.8	18.4	27.1	27.1	6.30	6.30	80.0	80.0	3.67	3.65		3.67	3.65		5.6	5.6
						27.1		6.29		79.9		3.63			5.6				
			Bottom	16.6	18.3	27.3	27.3	6.17	6.19	78.4	78.6	3.94	3.96		3.94	3.96		5.8	5.8
						27.3		6.20		78.7		3.97			5.8				
08/01/13	0944-0956	16/Cloudy	Surface	1.0	17.3	27.4	27.5	6.35	6.34	77.8	77.6	3.51	3.53	3.81	5.4	5.4	5.7		
						27.5		6.32		77.4		3.54			5.4				
			Middle	9.0	17.4	27.6	27.7	6.28	6.26	76.9	76.6	3.82	3.84		3.82	3.84		5.8	5.8
						27.7		6.23		76.3		3.86			5.8				
			Bottom	17.0	17.6	27.8	27.9	6.10	6.09	74.7	74.6	4.07	4.06		4.07	4.06		6.0	6.0
						27.9		6.07		74.4		4.04			6.0				
10/01/13	1200-1213	18/Cloudy	Surface	1.0	17.3	27.3	27.3	6.68	6.67	81.5	81.4	3.59	3.57	3.69	5.6	5.5	5.6		
						27.3		6.66		81.3		3.55			5.4				
			Middle	8.9	17.4	27.5	27.6	6.43	6.45	78.4	78.7	3.78	3.79		3.78	3.79		5.6	5.7
						27.6		6.47		79.0		3.80			5.8				
			Bottom	16.8	17.5	27.9	27.9	6.21	6.24	75.8	76.1	3.72	3.71		3.72	3.71		5.6	5.6
						27.8		6.26		76.4		3.70			5.6				
12/01/13	1341-1354	17/Cloudy	Surface	1.0	17.2	27.3	27.3	6.88	6.89	84.3	84.5	3.67	3.65	3.82	5.6	5.6	5.8		
						27.3		6.90		84.6		3.63			5.6				
			Middle	9.0	17.3	27.4	27.5	6.77	6.75	83.0	82.8	3.86	3.85		3.86	3.85		5.8	5.8
						27.5		6.73		82.5		3.84			5.8				
			Bottom	17.0	17.3	27.6	27.6	6.53	6.55	80.1	80.3	3.99	3.95		3.99	3.95		6.0	5.9
						27.6		6.57		80.5		3.91			5.8				
15/01/13	1557-1612	17/Fine	Surface	1.0	17.3	27.4	27.4	6.92	6.94	84.7	85.0	4.03	4.04	4.11	5.8	5.9	6.0		
						27.3		6.96		85.2		4.05			6.0				
			Middle	6.4	17.4	27.4	27.4	6.81	6.85	83.4	83.9	4.09	4.06		4.09	4.06		6.0	5.9
						27.4		6.89		84.3		4.03			5.8				
			Bottom	12.8	17.5	27.5	27.5	6.69	6.65	81.9	81.4	4.20	4.22		4.20	4.22		6.2	6.2
						27.4		6.61		80.9		4.24			6.2				
17/01/13	1727-1742	20/Fine	Surface	1.0	17.4	26.8	26.9	7.27	7.25	88.7	88.4	3.14	3.17	3.31	5.2	5.2	5.4		
						26.9		7.22		88.1		3.20			5.2				
			Middle	8.9	17.5	27.0	27.1	7.15	7.14	87.2	87.1	3.28	3.31		3.28	3.31		5.4	5.4
						27.1		7.13		87.0		3.33			5.4				
			Bottom	16.8	17.5	27.2	27.3	7.03	7.05	85.8	86.1	3.44	3.46		3.44	3.46		5.6	5.5
						27.3		7.07		86.3		3.48			5.6				
19/01/13	1857-1912	16/Cloudy	Surface	1.0	17.3	27.2	27.2	7.28	7.29	88.8	89.0	3.27	3.29	3.55	5.2	5.3	5.6		
						27.2		7.30		89.1		3.30			5.4				
			Middle	8.7	17.3	27.3	27.3	7.19	7.18	87.7	87.6	3.54	3.56		3.54	3.56		5.6	5.6
						27.3		7.16		87.4		3.57			5.6				
			Bottom	16.4	17.4	27.4	27.4	7.25	7.24	88.5	88.4	3.79	3.82		3.79	3.82		5.8	5.8
						27.4		7.23		88.2		3.84			5.8				
22/01/13	2109-2121	21/Fine	Surface	1.0	17.6	27.2	27.2	7.36	7.38	89.7	90.0	3.26	3.28	3.69	5.2	5.2	5.7		
						27.2		7.40		90.2		3.30			5.2				
			Middle	8.9	17.7	27.4	27.4	7.30	7.28	88.9	88.7	3.84	3.85		3.84	3.85		5.8	5.8
						27.4		7.26		88.5		3.86			5.8				
			Bottom	16.8	17.8	27.5	27.5	7.28	7.26	88.7	88.5	3.94	3.95		3.94	3.95		6.0	6.0
						27.5		7.24		88.3		3.95			6.0				
24/01/13	1118-1127	17/Fine	Surface	1.0	17.6	27.1	27.2	7.77	7.76	94.8	94.7	3.31	3.34	3.71	5.2	5.3	5.6		
						27.2		7.75		94.6		3.36			5.4				
			Middle	8.9	17.7	27.3	27.4	7.61	7.62	92.8	93.0	3.74	3.73		3.74	3.73		5.6	5.6
						27.4		7.63		93.1		3.71			5.6				
			Bottom	16.8	17.8	27.5	27.6	7.49	7.51	91.4	91.6	4.05	4.06		4.05	4.06		6.0	6.0
						27.6		7.52		91.7		4.07			6.0				
26/01/13	1239-1251	17/Fine	Surface	1.0	17.6	27.2	27.3	7.72	7.71	94.1	94.0	3.36	3.39	3.76	5.4	5.4	5.8		
						27.3		7.70		93.9		3.41			5.4				
			Middle	8.9	17.8	27.4	27.5	7.56	7.57	92.2	92.3	3.79	3.78		3.79	3.78		5.8	5.8
						27.5		7.58		92.4		3.76			5.8				
			Bottom	16.8	17.8	27.6	27.6	7.44	7.46	90.7	90.9	4.10	4.11		4.10	4.11		6.0	6.1
						27.6		7.47		91.1		4.12			6.2				
29/01/13	1455-1507	18/Fine	Surface	1.0	17.5	27.4	27.4	7.56	7.58	92.2	92.4	3.38	3.40	3.57	5.2	5.3	5.6		
						27.4		7.60		92.6		3.41			5.4				
			Middle	7.2	17.6	27.6	27.6	7.50	7.52	91.4	91.6	3.56	3.57		3.56	3.57		5.6	5.6
						27.6		7.53		91.8		3.58			5.6				
			Bottom	13.4	17.8	27.7	27.7	7.39	7.38	90.0	89.9	3.73	3.74		3.73	3.74		5.8	5.8
						27.7		7.37		89.8		3.74			5.8				

Mid-Ebb Tide

Monitoring Station : R8a

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)		Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
03/01/13	1725-1738	17/Fine	Surface	1.0	18.2	26.8	26.9	6.37	6.39	81.0	81.3	3.61	3.63	3.89	5.6	5.6	5.9
						26.9		6.41		81.5		3.65			5.5		
			Middle	7.0	18.3	27.1	27.1	6.25	6.23	79.4	79.2	3.93	3.95		6.0	6.0	
						27.1		6.21		78.9		3.96			6.0		
			Bottom	13.0	18.4	27.2	27.3	6.11	6.10	77.7	77.6	4.10	4.08		6.2	6.0	
						27.3		6.08		77.4		4.06			5.8		
05/01/13	1911-1926	14/Fine	Surface	1.0	18.3	27.0	27.1	6.39	6.39	81.2	81.1	3.47	3.53	3.76	5.4	5.5	5.7
						27.1		6.38		81.0		3.49			5.5		
			Middle	7.2	18.4	27.2	27.2	6.30	6.32	80.0	80.3	3.62	3.92		5.5	5.6	
						27.1		6.34		80.5		3.68			5.6		
			Bottom	13.4	18.3	27.4	27.5	6.17	6.15	78.4	78.2	4.16	4.14		6.2	6.2	
						27.5		6.13		77.9		4.14			6.2		
08/01/13	1000-1012	16/Cloudy	Surface	1.0	17.2	27.4	27.5	6.33	6.35	77.5	77.8	3.61	3.63	3.89	5.6	5.6	5.9
						27.5		6.37		78.0		3.65			5.5		
			Middle	7.1	17.4	27.6	27.7	6.21	6.19	76.1	75.9	3.93	3.95		6.0	5.9	
						27.7		6.17		75.6		3.96			5.8		
			Bottom	13.2	17.6	27.8	27.9	6.07	6.06	74.4	74.2	4.10	4.08		6.2	6.1	
						27.9		6.04		74.0		4.06			6.0		
10/01/13	1215-1228	18/Cloudy	Surface	1.0	17.3	27.5	27.5	6.72	6.74	81.9	82.2	3.67	3.69	3.82	5.6	5.6	5.7
						27.5		6.76		82.5		3.70			5.5		
			Middle	6.4	17.4	27.7	27.7	6.59	6.60	80.4	80.5	3.82	3.83		5.5	5.7	
						27.6		6.61		80.6		3.83			5.8		
			Bottom	11.8	17.5	27.7	27.7	6.40	6.39	78.1	78.0	3.99	3.95		6.0	5.9	
						27.7		6.38		77.8		3.91			5.8		
12/01/13	1357-1410	18/Cloudy	Surface	1.0	17.3	27.3	27.3	6.83	6.85	83.7	84.0	3.57	3.58	3.68	5.4	5.5	5.6
						27.2		6.87		84.2		3.59			5.5		
			Middle	6.6	17.2	27.3	27.3	6.70	6.69	82.1	82.0	3.61	3.63		5.5	5.6	
						27.3		6.68		81.9		3.65			5.6		
			Bottom	12.2	17.3	27.4	27.5	6.59	6.61	80.8	81.0	3.80	3.84		5.8	5.8	
						27.5		6.62		81.2		3.88			5.8		
15/01/13	1615-1630	18/Fine	Surface	1.0	17.3	27.4	27.4	7.20	7.16	88.1	87.6	4.11	4.12	4.12	6.2	6.1	6.0
						27.4		7.12		87.1		4.13			6.0		
			Middle	6.6	17.4	27.5	27.6	6.95	6.97	85.1	85.3	4.06	4.05		6.0	5.9	
						27.6		6.98		85.4		4.04			5.8		
			Bottom	12.2	17.5	27.6	27.6	6.72	6.75	82.3	82.6	4.16	4.18		5.8	5.9	
						27.5		6.78		82.9		4.19			6.0		
17/01/13	1745-1800	20/Fine	Surface	1.0	17.4	26.8	26.9	7.31	7.33	89.2	89.4	2.98	3.02	3.17	4.8	4.9	5.1
						26.9		7.34		89.5		3.05			5.0		
			Middle	6.6	17.4	26.9	27.0	7.25	7.23	88.5	88.3	3.10	3.13		5.0	5.1	
						27.0		7.21		88.0		3.16			5.2		
			Bottom	12.2	17.5	27.0	27.1	7.08	7.10	86.4	86.7	3.38	3.36		5.4	5.3	
						27.1		7.12		86.9		3.33			5.2		
19/01/13	1915-1930	13/Cloudy	Surface	1.0	17.3	27.3	27.3	7.36	7.38	89.8	90.1	3.56	3.58	3.78	5.2	5.4	5.5
						27.2		7.40		90.3		3.60			5.5		
			Middle	6.5	17.3	27.2	27.3	7.24	7.22	88.3	88.1	3.74	3.77		5.5	5.5	
						27.3		7.20		87.8		3.80			5.4		
			Bottom	12.0	17.4	27.3	27.4	7.17	7.17	87.5	87.5	3.97	3.98		5.6	5.7	
						27.4		7.16		87.4		3.98			5.8		
22/01/13	2125-2133	21/Fine	Surface	1.0	17.6	27.2	27.3	7.48	7.49	91.2	91.3	3.22	3.24	3.37	5.2	5.1	5.3
						27.3		7.50		91.4		3.26			5.0		
			Middle	6.5	17.7	27.3	27.3	7.32	7.33	89.2	89.4	3.41	3.40		5.5	5.5	
						27.3		7.34		89.5		3.38			5.4		
			Bottom	12.0	17.8	27.4	27.5	7.24	7.25	88.3	88.4	3.46	3.47		5.4	5.4	
						27.5		7.26		88.5		3.48			5.4		
24/01/13	1128-1137	19/Fine	Surface	1.0	17.6	27.2	27.3	7.88	7.89	96.1	96.3	3.48	3.52	3.71	5.4	5.5	5.6
						27.3		7.90		96.4		3.56			5.5		
			Middle	6.5	17.7	27.4	27.4	7.61	7.62	92.8	93.0	3.72	3.70		5.5	5.6	
						27.4		7.63		93.1		3.68			5.6		
			Bottom	12.0	17.8	27.6	27.7	7.42	7.45	90.5	90.9	3.94	3.92		6.0	5.9	
						27.7		7.48		91.3		3.90			5.8		
26/01/13	1255-1307	17/Fine	Surface	1.0	17.6	27.2	27.3	7.83	7.84	95.4	95.6	3.53	3.57	3.76	5.4	5.5	5.6
						27.3		7.85		95.7		3.61			5.5		
			Middle	6.6	17.7	27.3	27.4	7.56	7.57	92.2	92.3	3.77	3.75		5.5	5.6	
						27.4		7.58		92.4		3.73			5.6		
			Bottom	12.2	17.8	27.4	27.5	7.37	7.40	89.8	90.2	3.99	3.97		5.8	5.8	
						27.5		7.43		90.6		3.95			5.8		
29/01/13	1512-1524	18/Fine	Surface	1.0	17.6	27.3	27.4	7.58	7.60	92.4	92.6	3.38	3.39	3.56	5.2	5.4	5.5
						27.4		7.61		92.7		3.40			5.5		
			Middle	7.1	17.6	27.4	27.5	7.50	7.49	91.4	91.3	3.62	3.61		5.5	5.6	
						27.5		7.47		91.1		3.59			5.6		
			Bottom	13.2	17.8	27.6	27.7	7.33	7.35	89.4	89.6	3.70	3.69		5.6	5.6	
						27.7		7.36		89.7		3.68			5.6		

Monitoring Station : R15

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)		Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)					
						Value	Average	Value	Average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average			
03/01/13	1453-1507	19/Fine	Surface	1.0	18.2	26.9	26.9	6.34	6.33	80.5	80.3	3.57	3.56	3.85	5.4	5.4	5.8			
						26.9		6.31		80.1		3.54			5.4					
			Middle	6.3	18.3	27.0	27.0	6.24	6.22	79.3	79.1	3.86	3.83		3.83	3.83		5.8	5.8	5.8
						27.0		6.20		78.8		3.80			5.8					
			Bottom	11.6	18.4	27.1	27.2	6.12	6.14	77.8	78.0	4.15	4.17		4.17	4.17		6.2	6.2	6.2
						27.2		6.15		78.2		4.19			6.2					
05/01/13	1636-1651	14/Fine	Surface	1.0	18.2	27.0	27.1	6.19	6.20	78.6	78.8	3.52	3.55	3.76	5.4	5.4	5.6			
						27.1		6.21		78.9		3.58			5.4					
			Middle	6.5	18.3	27.2	27.3	6.12	6.14	77.7	78.0	3.74	3.75		3.75	3.75		5.6	5.6	5.6
						27.3		6.16		78.2		3.76			5.6					
			Bottom	12.0	18.4	27.3	27.4	6.08	6.09	77.2	77.4	3.96	3.97		3.97	3.97		5.8	5.8	5.8
						27.4		6.10		77.5		3.98			5.8					
08/01/13	0752-0804	16/Cloudy	Surface	1.0	17.2	27.4	27.5	6.30	6.29	77.2	77.0	3.57	3.55	3.84	5.4	5.4	5.8			
						27.5		6.27		76.8		3.53			5.4					
			Middle	6.5	17.3	27.6	27.7	6.20	6.18	76.0	75.8	3.85	3.82		3.82	3.82		5.8	5.8	5.8
						27.7		6.16		75.5		3.79			5.8					
			Bottom	12.0	17.5	27.8	27.9	6.08	6.10	74.5	74.7	4.14	4.16		4.16	4.16		6.0	6.1	6.1
						27.9		6.11		74.8		4.18			6.0					
10/01/13	1015-1028	18/Cloudy	Surface	1.0	17.4	27.3	27.4	6.79	6.80	82.8	83.0	3.56	3.58	3.79	5.6	5.6	5.8			
						27.4		6.81		83.1		3.60			5.6					
			Middle	5.8	17.4	27.6	27.6	6.47	6.49	78.9	79.1	3.74	3.75		3.75	3.75		5.6	5.7	5.7
						27.5		6.50		79.3		3.76			5.8					
			Bottom	10.6	17.4	27.7	27.7	6.29	6.30	76.7	76.8	4.04	4.05		4.05	4.05		6.0	6.0	6.0
						27.6		6.31		76.9		4.06			6.0					
12/01/13	1149-1202	16/Cloudy	Surface	1.0	17.3	27.3	27.3	6.99	6.95	85.7	85.2	3.74	3.75	3.88	5.6	5.6	5.8			
						27.2		6.91		84.7		3.76			5.6					
			Middle	8.5	17.2	27.4	27.4	6.84	6.85	83.9	84.0	3.96	3.94		3.94	3.94		5.8	5.8	5.8
						27.3		6.86		84.1		3.92			5.8					
			Bottom	16.0	17.2	27.6	27.7	6.56	6.57	80.4	80.6	3.94	3.95		3.95	3.95		6.0	6.0	6.0
						27.7		6.58		80.8		3.96			6.0					
15/01/13	1351-1406	17/Fine	Surface	1.0	17.3	27.3	27.3	6.90	6.92	84.5	84.7	3.95	3.97	4.08	5.8	5.8	6.0			
						27.3		6.94		84.9		3.99			5.8					
			Middle	7.5	17.4	27.4	27.4	6.75	6.74	82.6	82.5	4.06	4.08		4.08	4.08		6.0	6.0	6.0
						27.4		6.72		82.3		4.09			6.0					
			Bottom	14.0	17.5	27.4	27.5	6.65	6.67	81.4	81.7	4.19	4.20		4.20	4.20		6.2	6.2	6.2
						27.5		6.69		81.9		4.21			6.2					
17/01/13	1521-1536	20/Fine	Surface	1.0	17.3	26.8	26.9	7.10	7.13	86.6	86.9	3.30	3.28	3.36	5.2	5.2	5.3			
						26.9		7.15		87.2		3.25			5.2					
			Middle	5.6	17.4	26.9	27.0	7.06	7.05	86.1	86.0	3.28	3.31		3.31	3.31		5.2	5.3	5.3
						27.0		7.03		85.8		3.33			5.4					
			Bottom	10.2	17.4	27.1	27.1	6.95	6.96	84.8	84.9	3.47	3.50		3.50	3.50		5.4	5.5	5.5
						27.1		6.97		85.0		3.53			5.6					
19/01/13	1651-1706	15/Fine	Surface	1.0	17.2	27.3	27.4	7.39	7.41	90.2	90.4	3.50	3.46	3.72	5.6	5.6	5.8			
						27.4		7.42		90.5		3.42			5.6					
			Middle	5.8	17.3	27.3	27.4	7.07	7.09	86.3	86.5	3.72	3.73		3.73	3.73		5.8	5.8	5.8
						27.4		7.10		86.6		3.74			5.8					
			Bottom	10.6	17.4	27.5	27.5	7.13	7.14	86.9	87.0	3.92	3.97		3.97	3.97		6.0	6.0	6.0
						27.4		7.14		87.1		4.01			6.0					
22/01/13	1917-1929	21/Fine	Surface	1.0	17.5	27.2	27.2	7.37	7.36	89.8	89.7	3.32	3.31	3.51	5.2	5.2	5.4			
						27.2		7.35		89.6		3.30			5.2					
			Middle	6.3	17.6	27.3	27.3	7.26	7.25	88.5	88.4	3.52	3.53		3.53	3.53		5.4	5.4	5.4
						27.3		7.24		88.3		3.54			5.4					
			Bottom	11.6	17.7	27.4	27.5	7.19	7.17	88.1	87.7	3.68	3.70		3.70	3.70		5.6	5.6	5.6
						27.5		7.15		87.2		3.71			5.6					
24/01/13	1007-1017	17/Fine	Surface	1.0	17.5	27.1	27.2	7.72	7.73	94.2	94.3	3.83	3.86	4.03	5.8	5.8	6.0			
						27.2		7.73		94.3		3.89			5.8					
			Middle	5.9	17.6	27.3	27.4	7.49	7.50	91.4	91.5	3.94	3.97		3.97	3.97		6.0	6.0	6.0
						27.4		7.51		91.6		3.99			6.0					
			Bottom	10.8	17.8	27.4	27.5	7.39	7.41	90.2	90.4	4.23	4.26		4.26	4.26		6.2	6.2	6.2
						27.5		7.42		90.5		4.29			6.2					
26/01/13	1047-1059	17/Fine	Surface	1.0	17.6	27.2	27.2	7.67	7.68	93.5	93.6	3.88	3.91	4.08	5.8	5.8	6.0			
						27.2		7.68		93.6		3.94			5.8					
			Middle	5.8	17.8	27.3	27.4	7.44	7.45	90.7	90.8	3.99	4.02		4.02	4.02		6.0	6.0	6.0
						27.4		7.46		90.9		4.04			6.0					
			Bottom	10.6	17.8	27.5	27.6	7.34	7.36	89.5	89.7	4.28	4.31		4.31	4.31		6.2	6.3	6.3
						27.6		7.37		89.8		4.34			6.4					
29/01/13	1238-1253	18/Fine	Surface	1.0	17.5	27.4	27.4	7.54	7.56	91.9	92.2	3.21	3.27	3.43	5.2	5.2	5.4			
						27.3		7.58		92.4		3.33			5.2					
			Middle	6.7	17.5	27.4	27.5	7.40	7.42	90.2	90.5	3.43	3.46		3.46	3.46		5.4	5.4	5.4
						27.5		7.44		90.7		3.48			5.4					
			Bottom	12.4	17.7	27.7	27.7	7.22	7.20	88.0	87.8	3.54	3.57		3.57	3.57		5.6	5.6	5.6
						27.6		7.18		87.5		3.60			5.6					

Monitoring Station : R16

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)		Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
03/01/13	1433-1448	19/Fine	Surface	1.0	18.3	26.9	26.9	6.41	6.39	81.4	81.1	3.60	3.62	3.84	5.6	5.6	5.8
						26.9		6.36		80.8		3.64			5.6		
			Middle	6.6	18.4	27.0	27.1	6.19	6.17	78.6	78.4	3.78	3.80		5.8	5.8	
						27.1		6.15		78.1		3.81			5.8		
			Bottom	12.2	18.4	27.2	27.2	6.08	6.06	77.3	77.0	4.11	4.09		6.0	6.0	
						27.1		6.03		76.6		4.07			6.0		
05/01/13	1618-1633	14/Fine	Surface	1.0	18.2	27.0	27.1	6.30	6.32	80.0	80.3	3.45	3.47	3.82	5.4	5.4	5.8
						27.1		6.34		80.5		3.48			5.4		
			Middle	6.9	18.3	27.1	27.1	6.21	6.22	78.9	79.0	3.78	3.79		5.6	5.7	
						27.1		6.23		79.1		3.80			5.8		
			Bottom	12.8	18.5	27.2	27.2	6.12	6.13	77.7	77.9	4.18	4.19		6.2	6.2	
						27.2		6.14		78.0		4.20			6.2		
08/01/13	0736-0748	16/Cloudy	Surface	1.0	17.2	27.4	27.5	6.37	6.35	78.0	77.7	3.59	3.61	3.83	5.4	5.5	5.8
						27.5		6.32		77.4		3.63			5.6		
			Middle	6.9	17.2	27.5	27.6	6.15	6.13	75.3	75.1	3.77	3.79		5.8	5.7	
						27.6		6.11		74.8		3.80			5.8		
			Bottom	12.8	17.4	27.6	27.7	6.04	6.02	74.0	73.7	4.10	4.08		6.2	6.1	
						27.7		5.99		73.4		4.06			6.0		
10/01/13	1000-1013	18/Cloudy	Surface	1.0	17.4	27.4	27.4	6.72	6.74	81.9	82.2	3.71	3.70	3.88	5.6	5.6	5.8
						27.4		6.76		82.5		3.69			5.6		
			Middle	6.5	17.5	27.5	27.6	6.58	6.60	80.3	80.6	3.88	3.85		5.8	5.8	
						27.6		6.62		80.8		3.82			5.8		
			Bottom	12.0	17.5	27.6	27.7	6.30	6.33	76.9	77.3	4.10	4.09		6.2	6.1	
						27.7		6.36		77.6		4.08			6.0		
12/01/13	1133-1146	16/Cloudy	Surface	1.0	17.2	27.2	27.3	6.97	6.95	85.5	85.2	3.62	3.65	3.81	5.6	5.6	5.8
						27.3		6.93		84.9		3.68			5.6		
			Middle	6.5	17.2	27.3	27.3	6.82	6.86	83.6	84.1	3.86	3.83		5.8	5.8	
						27.3		6.90		84.6		3.80			5.8		
			Bottom	12.0	17.2	27.5	27.6	6.76	6.77	82.9	83.0	3.93	3.95		5.8	5.9	
						27.6		6.78		83.1		3.97			6.0		
15/01/13	1333-1348	17/Fine	Surface	1.0	17.3	27.2	27.3	6.98	6.95	85.4	85.1	4.15	4.16	4.22	6.2	6.2	6.3
						27.3		6.92		84.7		4.17			6.2		
			Middle	6.3	17.4	27.3	27.3	6.65	6.66	81.4	81.5	4.20	4.24		6.4	6.4	
						27.3		6.66		81.5		4.28			6.4		
			Bottom	11.6	17.5	27.4	27.4	6.72	6.74	82.3	82.5	4.26	4.27		6.4	6.3	
						27.4		6.76		82.7		4.28			6.2		
17/01/13	1503-1518	20/Fine	Surface	1.0	17.3	26.7	26.8	7.28	7.30	88.8	89.0	3.07	3.10	3.22	5.0	5.1	5.3
						26.8		7.31		89.2		3.12			5.2		
			Middle	6.6	17.4	26.8	26.9	7.23	7.21	88.2	88.0	3.17	3.19		5.2	5.3	
						26.9		7.19		87.7		3.21			5.4		
			Bottom	12.0	17.5	26.9	27.0	7.09	7.07	86.5	86.2	3.38	3.36		5.4	5.4	
						27.0		7.04		85.9		3.34			5.4		
19/01/13	1633-1648	15/Fine	Surface	1.0	17.2	27.1	27.2	7.43	7.45	90.6	90.9	3.41	3.44	3.66	5.6	5.6	5.8
						27.2		7.47		91.1		3.46			5.6		
			Middle	6.5	17.3	27.3	27.4	7.12	7.14	86.9	87.2	3.62	3.65		5.8	5.8	
						27.4		7.16		87.4		3.68			5.8		
			Bottom	12.0	17.4	27.4	27.4	7.18	7.19	87.6	87.7	3.89	3.91		6.0	6.0	
						27.4		7.20		87.8		3.92			6.0		
22/01/13	1901-1913	21/Fine	Surface	1.0	17.6	27.2	27.2	7.48	7.50	91.2	91.4	3.54	3.52	3.56	5.4	5.5	5.5
						27.2		7.52		91.6		3.50			5.6		
			Middle	7.0	17.7	27.3	27.4	7.36	7.34	89.7	89.5	3.48	3.50		5.4	5.4	
						27.4		7.32		89.2		3.51			5.4		
			Bottom	13.0	17.8	27.5	27.5	7.22	7.21	88.0	87.9	3.66	3.67		5.6	5.6	
						27.5		7.20		87.8		3.68			5.6		
24/01/13	0956-1006	17/Fine	Surface	1.0	17.6	27.3	27.4	7.84	7.86	95.6	95.9	3.67	3.69	3.84	5.6	5.6	5.8
						27.4		7.88		96.1		3.70			5.6		
			Middle	6.4	17.7	27.4	27.4	7.59	7.58	92.6	92.5	3.72	3.76		5.6	5.7	
						27.4		7.57		92.4		3.80			5.8		
			Bottom	11.8	17.8	27.6	27.6	7.50	7.54	91.5	92.0	4.06	4.08		6.0	6.1	
						27.6		7.58		92.5		4.10			6.2		
26/01/13	1031-1043	17/Fine	Surface	1.0	17.6	27.2	27.3	7.79	7.81	95.0	95.2	3.72	3.74	3.89	5.6	5.6	5.8
						27.3		7.83		95.4		3.75			5.6		
			Middle	6.5	17.7	27.4	27.4	7.54	7.53	91.9	91.8	3.77	3.81		5.8	5.8	
						27.4		7.52		91.7		3.85			5.8		
			Bottom	12.0	17.8	27.5	27.5	7.45	7.49	90.8	91.3	4.11	4.13		6.0	6.1	
						27.5		7.53		91.8		4.15			6.2		
29/01/13	1220-1233	18/Fine	Surface	1.0	17.6	27.3	27.4	7.58	7.60	92.4	92.6	3.52	3.51	3.63	5.4	5.4	5.6
						27.4		7.61		92.8		3.50			5.4		
			Middle	6.1	17.6	27.5	27.5	7.42	7.41	90.4	90.3	3.64	3.66		5.6	5.6	
						27.5		7.39		90.1		3.67			5.6		
			Bottom	12.2	17.8	27.6	27.7	7.28	7.29	88.7	88.9	3.70	3.72		5.6	5.7	
						27.7		7.30		89.0		3.74			5.8		

Mid-Ebb Tide

Monitoring Station : R17

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)		Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)					
						Value	Average	Value	Average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average			
03/01/13	1415-1429	19/Fine	Surface	1.0	18.3	26.9	26.9	6.43	6.41	81.6	81.4	3.62	3.64	3.86	5.6	5.6	5.9			
						26.8		6.39		81.1		3.66			5.6					
						27.0		6.20		78.7		3.79			5.8					
			Middle	6.4	18.3	27.0	27.0	6.16	6.18	78.2	78.5	3.84	3.82		3.84	3.82		6.0	5.9	5.9
						27.1		6.07		77.1		4.09			6.0					
						27.2		6.02		76.5		4.13			6.2					
			Bottom	11.8	18.4	27.1	27.2	6.29	6.05	79.9	76.8	3.36	4.11		3.36	3.39		5.4	5.4	5.8
						27.0		6.31		80.1		3.41			5.4					
						27.2		6.12		77.7		3.69			5.6					
05/01/13	1600-1615	14/Fine	Surface	1.0	18.3	27.1	27.1	6.29	6.30	79.9	80.0	3.36	3.39	3.73	5.4	5.4	5.8			
						27.0		6.31		80.1		3.41			5.4					
						27.2		6.12		77.7		3.69			5.6					
			Middle	6.6	18.4	27.1	27.2	6.16	6.14	78.2	78.0	3.61	3.65		3.61	3.65		5.5	5.6	5.8
						27.3		6.09		77.3		4.12			6.5					
						27.3		6.05		76.8		4.16			6.2					
			Bottom	12.2	18.4	27.3	27.3	6.09	6.07	77.3	77.1	4.12	4.14		4.12	4.14		6.5	6.4	5.9
						27.3		6.05		76.8		4.16			6.0					
						27.5		6.35		77.5		3.65			5.6					
08/01/13	0720-0732	16/Cloudy	Surface	1.0	17.2	27.4	27.5	6.39	6.37	78.3	78.1	3.61	3.63	3.85	5.6	5.6	5.9			
						27.5		6.35		77.5		3.65			5.6					
						27.6		6.16		75.5		3.78			5.8					
			Middle	6.6	17.3	27.7	27.7	6.13	6.15	75.1	75.3	3.83	3.81		3.83	3.81		6.0	5.9	5.9
						27.8		6.03		73.9		4.08			6.0					
						27.9		5.98		73.3		4.12			6.2					
			Bottom	12.2	17.5	27.8	27.9	6.03	6.01	73.9	73.6	4.08	4.10		4.08	4.10		6.1	6.1	5.9
						27.9		5.98		73.3		4.12			6.0					
						27.4		6.82		83.2		3.62			5.6					
10/01/13	0945-0958	18/Cloudy	Surface	1.0	17.4	27.5	27.5	6.80	6.81	82.9	83.1	3.68	3.65	3.92	5.6	5.6	5.9			
						27.6		6.66		81.3		3.93			5.8					
						27.6		6.70		81.7		3.97			6.0					
			Middle	6.3	17.4	27.7	27.6	6.47	6.68	78.9	81.5	4.12	3.95		4.12	3.95		6.1	5.9	5.9
						27.7		6.50		79.3		4.19			6.0					
						27.7		6.49		79.1		4.16			6.2					
			Bottom	11.6	17.5	27.7	27.7	6.50	6.49	79.3	79.1	4.19	4.16		4.19	4.16		6.1	6.1	5.9
						27.7		6.50		79.3		4.19			6.2					
						27.3		6.81		83.5		3.45			5.4					
12/01/13	1115-1130	16/Cloudy	Surface	1.0	17.3	27.3	27.4	6.81	6.82	83.5	83.6	3.45	3.47	3.69	5.4	5.4	5.6			
						27.4		6.83		83.7		3.48			5.4					
						27.4		6.75		82.8		3.71			5.6					
			Middle	6.0	17.2	27.4	27.4	6.74	6.75	82.6	82.7	3.73	3.72		3.73	3.72		5.5	5.6	5.6
						27.6		6.73		82.5		3.86			5.5					
						27.7		6.77		83.0		3.90			6.0					
			Bottom	11.0	17.2	27.6	27.7	6.73	6.75	82.5	82.8	3.86	3.88		3.86	3.88		5.8	5.9	5.6
						27.7		6.77		83.0		3.90			5.8					
						27.3		7.02		85.9		4.01			5.8					
15/01/13	1315-1330	17/Fine	Surface	1.0	17.4	27.3	27.3	7.02	7.04	85.9	86.2	4.01	4.02	4.11	5.8	5.8	6.1			
						27.3		7.06		86.4		4.03			5.8					
						27.4		6.79		83.1		4.16			6.1					
			Middle	6.0	17.4	27.3	27.4	6.80	6.80	83.2	83.2	4.14	4.15		4.14	4.15		6.0	6.1	6.1
						27.3		6.80		83.2		4.14			6.0					
						27.4		6.72		82.3		4.17			6.5					
			Bottom	11.0	17.4	27.3	27.4	6.78	6.75	82.9	82.6	4.13	4.15		4.13	4.15		6.4	6.5	6.1
						27.3		6.78		82.9		4.13			6.4					
						26.8		7.26		88.5		3.10			5.0					
17/01/13	1445-1500	20/Fine	Surface	1.0	17.3	26.9	26.9	7.22	7.24	88.1	88.3	3.16	3.13	3.27	5.2	5.1	5.2			
						26.9		7.17		87.5		3.22			5.2					
						27.0		7.15		87.2		3.27			5.0					
			Middle	6.1	17.3	27.0	27.0	7.06	7.16	86.1	87.4	3.46	3.25		3.46	3.25		5.5	5.1	5.2
						27.1		7.10		86.6		3.42			5.4					
						27.0		7.06		86.1		3.46			5.5					
			Bottom	11.2	17.4	27.1	27.1	7.10	7.08	86.6	86.4	3.42	3.44		3.42	3.44		5.4	5.5	5.2
						27.1		7.10		86.6		3.42			5.4					
						27.2		7.38		90.0		3.36			5.4					
19/01/13	1615-1630	15/Fine	Surface	1.0	17.3	27.2	27.2	7.40	7.39	90.3	90.2	3.42	3.39	3.62	5.4	5.4	5.7			
						27.2		7.40		90.3		3.42			5.4					
						27.3		7.26		88.6		3.59			5.6					
			Middle	6.0	17.2	27.4	27.4	7.23	7.25	88.2	88.4	3.62	3.61		3.62	3.61		5.5	5.6	5.7
						27.4		7.23		88.2		3.62			5.5					
						27.4		7.14		87.1		3.82			6.0					
			Bottom	11.0	17.4	27.4	27.5	7.14	7.16	87.1	87.4	3.82	3.85		3.82	3.85		6.2	6.1	5.9
						27.5		7.18		87.6		3.88			6.0					
						27.5		7.18		87.6		3.88			6.2					
22/01/13	1845-1857	21/Fine	Surface	1.0	17.6	27.2	27.2	7.32	7.31	89.2	89.1	3.34	3.37	3.58	5.2	5.3	5.5			
						27.2		7.30		89.0		3.40			5.4					
						27.3		7.28		88.7		3.62			5.6					
			Middle	6.4	17.6	27.4	27.4	7.25	7.27	88.4	88.6	3.59	3.61		3.59	3.61		5.5	5.6	5.5
						27.4		7.25		88.4		3.59			5.5					
						27.4		7.14		87.1		3.74			5.5					
			Bottom	11.8	17.8	27.5	27.5	7.18	7.16	87.5	87.3	3.76	3.75		3.76	3.75		5.8	5.7	5.7
						27.5		7.18		87.5		3.76			5.8					
						27.2		7.94		96.9		3.59			5.6					
24/01/13	0945-0955	17/Fine	Surface	1.0	17.5	27.3	27.3	7.96	7.95	97.1	97.0	3.64	3.62	3.88	5.6	5.6	5.9			
						27.3		7.96		97.1		3.64			5.6					
						27.4		7.63		93.1		3.84			5.8					
			Middle	6.0	17.7	27.4	27.4	7.65	7.64	93.3	93.2	3.88	3.86		3.88	3.86		6.0	5.9	5.9
						27.4		7.65		93.3		3.88			6.0					
						27.5		7.43		90.6		4.13			6.0					
			Bottom	11.0	17.8	27.6	27.6	7.47	7.45	91.1	90.9	4.17	4.15		4.17	4.15		6.2	6.1	5.9
						27.6		7.47		91.1		4.17			6.2					
						27.2		7.89		96.2		3.64			5.6					
26/01/13	1015-1027	17/Fine	Surface	1.0	17.6	27.3	27.3	7.91	7.90	96.4	96.3	3.69	3.67	3.93	5.6	5.6	6.0			
						27.3		7.91		96.4		3.69			5.6					
						27.3		7.58		92.4		3.89			5.8					
			Middle	6.1	17.7	27.4	27.4	7.60	7.59	92.6	92.5	3.93	3.91		3.93	3.91		6.0	5.9	6.0
						27.4		7.60		92.6		3.93			6.0					
						27.4		7.38		90.0		4.18			6.5					
			Bottom	11.2	17.8	27.5	27.5	7.42	7.40	90.4	90.2	4.22	4.20		4.22	4.20		6.4	6.5	6.0
						27.5		7.42		90.4		4.22			6.4					
						27.4		7.64		92.3		3.48			5.4					
29/01/13	1200-1215	18/Fine	Surface	1.0	17.5	27.3	27.4	7.66	7.65	93.4	92.9	3.52	3.50	3.61	5.4	5.4	5.6			
						27.3		7.66		93.4		3.52			5.4					
						27.5		7.52		91.7		3.60			5.6					
			Middle	6.2	17.6	27.4	27.5	7.50	7.51	91.4	91.6	3.64	3.62		3.64	3.62		5.5	5.6	5.6
						27.4		7.50		91.4		3.64			5.5					
						27.6		7.28		88.7		3.73			6.0					
			Bottom	11.4	17.7	27.6	27.7	7.28	7.27	88.7	88.6	3.73	3.71		3.73	3.71		5.8	5.9	5.6
						27.7		7.26		88.5		3.68			5.8					

Mid-Ebb Tide

Monitoring Station : R28

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)		Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)				
						Value	Average	Value	Average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average		
03/01/13	1615-1628	18/Fine	Surface	1.0	18.2	27.0	27.0	6.49	6.47	82.4	82.2	3.43	3.46	3.75	5.4	5.4	5.7		
						27.0		6.45		81.9		3.48			5.4				
			Middle	6.7	18.3	27.0	27.1	6.29	6.27	79.9	79.7	3.72	3.74		5.6	5.6		6.0	6.0
						27.1		6.25		79.4		3.76			5.6				
			Bottom	12.4	18.4	27.2	27.2	6.12	6.11	77.9	77.7	4.03	4.06		6.0	6.0			
						27.2		6.09		77.4		4.09			6.0				
05/01/13	1749-1804	14/Fine	Surface	1.0	18.3	27.0	27.1	6.28	6.28	79.8	79.7	3.45	3.46	3.65	5.4	5.4	5.6		
						27.1		6.27		79.6		3.47			5.4				
			Middle	6.8	18.3	27.1	27.1	6.05	6.05	76.8	76.8	3.59	3.55		5.6	5.5		6.0	6.0
						27.1		6.04		76.7		3.50			5.6				
			Bottom	12.6	18.3	27.2	27.2	6.14	6.16	77.9	78.2	3.99	3.95		5.8	5.9			
						27.1		6.18		78.4		3.91			6.0				
08/01/13	0856-0908	16/Cloudy	Surface	1.0	17.2	27.5	27.6	6.45	6.43	79.0	78.8	3.42	3.45	3.74	5.4	5.4	5.7		
						27.6		6.41		78.5		3.47			5.4				
			Middle	6.7	17.4	27.6	27.7	6.15	6.18	75.3	75.7	3.71	3.73		5.6	5.6		6.0	6.0
						27.7		6.21		76.1		3.75			5.6				
			Bottom	12.4	17.5	27.7	27.8	6.08	6.07	74.5	74.3	4.02	4.05		6.0	6.0			
						27.8		6.05		74.1		4.08			6.0				
10/01/13	1115-1129	18/Cloudy	Surface	1.0	17.3	27.5	27.5	6.68	6.69	81.5	81.6	3.59	3.62	3.85	5.6	5.6	5.8		
						27.4		6.70		81.7		3.64			5.6				
			Middle	5.8	17.5	27.5	27.5	6.49	6.51	79.2	79.4	3.87	3.89		5.8	5.8		6.0	6.0
						27.5		6.52		79.5		3.90			5.8				
			Bottom	10.6	17.5	27.8	27.9	6.24	6.26	76.1	76.4	4.04	4.05		6.0	6.0			
						27.9		6.28		76.6		4.06			6.0				
12/01/13	1253-1306	17/Cloudy	Surface	1.0	17.2	27.3	27.4	6.88	6.90	84.3	84.5	3.58	3.56	3.77	5.6	5.5	5.7		
						27.4		6.91		84.7		3.54			5.4				
			Middle	5.9	17.3	27.4	27.5	6.70	6.72	82.1	82.4	3.68	3.67		5.6	5.6		6.0	6.1
						27.5		6.74		82.6		3.66			5.6				
			Bottom	10.8	17.4	27.5	27.6	6.62	6.65	81.2	81.6	4.08	4.09		6.2	6.2			
						27.6		6.68		81.9		4.10			6.2				
15/01/13	1503-1518	17/Fine	Surface	1.0	17.4	27.4	27.4	7.02	7.03	85.9	86.1	3.86	3.88	4.04	5.8	5.8	6.0		
						27.4		7.04		86.2		3.90			5.8				
			Middle	6.4	17.4	27.3	27.3	6.83	6.87	83.6	84.1	4.08	4.10		6.0	6.1		6.2	6.2
						27.2		6.90		84.5		4.11			6.2				
			Bottom	11.8	17.4	27.4	27.4	6.79	6.81	83.1	83.3	4.14	4.15		6.2	6.2			
						27.4		6.82		83.5		4.16			6.2				
17/01/13	1633-1648	20/Fine	Surface	1.0	17.3	26.8	26.9	7.24	7.27	88.3	88.7	3.09	3.13	3.27	5.0	5.1	5.3		
						26.9		7.30		89.1		3.16			5.2				
			Middle	5.9	17.3	26.9	27.0	7.18	7.17	87.6	87.4	3.24	3.26		5.2	5.3		5.4	5.4
						27.0		7.15		87.2		3.28			5.4				
			Bottom	10.8	17.4	27.1	27.2	7.06	7.07	86.0	86.2	3.44	3.42		5.4	5.4			
						27.2		7.08		86.4		3.39			5.4				
19/01/13	1803-1818	16/Cloudy	Surface	1.0	17.3	27.2	27.2	7.36	7.38	89.8	90.1	3.57	3.59	3.71	5.4	5.4	5.6		
						27.2		7.40		90.3		3.60			5.4				
			Middle	5.9	17.4	27.3	27.4	7.29	7.25	88.9	88.4	3.66	3.65		5.6	5.6		5.8	5.8
						27.4		7.21		87.9		3.64			5.6				
			Bottom	10.8	17.4	27.3	27.4	7.14	7.15	87.1	87.3	3.86	3.88		5.8	5.8			
						27.4		7.16		87.4		3.90			5.8				
22/01/13	2021-2033	21/Fine	Surface	1.0	17.6	27.3	27.3	7.38	7.37	89.9	89.8	3.24	3.25	3.57	5.2	5.2	5.5		
						27.2		7.36		89.7		3.26			5.2				
			Middle	6.4	17.7	27.3	27.3	7.46	7.48	90.9	91.2	3.65	3.66		5.6	5.6		5.8	5.8
						27.3		7.50		91.4		3.67			5.6				
			Bottom	11.8	17.7	27.5	27.5	7.32	7.31	89.2	89.1	3.78	3.81		5.8	5.8			
						27.5		7.30		89.0		3.84			5.8				
24/01/13	1048-1057	17/Fine	Surface	1.0	17.5	27.2	27.3	7.96	7.97	97.1	97.3	3.43	3.47	3.80	5.4	5.4	5.8		
						27.3		7.98		97.4		3.50			5.4				
			Middle	5.9	17.6	27.4	27.4	7.59	7.61	92.6	92.8	3.82	3.84		5.8	5.8		6.0	6.1
						27.3		7.62		92.9		3.85			5.8				
			Bottom	10.8	17.7	27.6	27.6	7.26	7.28	88.6	88.9	4.09	4.11		6.2	6.2			
						27.6		7.30		89.1		4.13			6.2				
26/01/13	1151-1203	17/Fine	Surface	1.0	17.6	27.2	27.3	7.91	7.92	96.4	96.6	3.48	3.52	3.85	5.4	5.4	5.8		
						27.3		7.93		96.7		3.55			5.4				
			Middle	6.0	17.7	27.4	27.4	7.54	7.56	91.9	92.1	3.87	3.89		5.8	5.8		6.2	6.2
						27.4		7.57		92.3		3.90			5.8				
			Bottom	11.0	17.8	27.5	27.6	7.21	7.23	87.9	88.2	4.14	4.16		6.2	6.2			
						27.6		7.25		88.4		4.18			6.2				
29/01/13	1358-1413	18/Fine	Surface	1.0	17.5	27.4	27.5	7.59	7.58	92.5	92.4	3.54	3.55	3.67	5.4	5.5	5.6		
						27.5		7.56		92.2		3.56			5.6				
			Middle	6.9	17.6	27.5	27.5	7.43	7.44	90.6	90.7	3.70	3.69		5.6	5.6		5.8	5.8
						27.5		7.45		90.8		3.67			5.6				
			Bottom	12.8	17.9	27.7	27.7	7.32	7.31	89.2	89.1	3.76	3.77		5.8	5.8			
						27.7		7.30		89.0		3.78			5.8				

Monitoring Station : R29

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)		Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)			
						Value	Average	Value	Average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average	
03/01/13	1634-1648	18/Fine	Surface	1.0	18.2	27.1	27.1	6.52	6.54	82.8	83.1	3.58	3.60	3.82	5.4	5.5	5.8	
						27.1		6.56		83.3		3.61			5.6			
			Middle	8.7	18.3	27.2	27.3	6.32	6.30	80.3	80.1	3.84	3.87		3.86	5.8		5.8
						27.3		6.28		79.8		3.87			5.8			
			Bottom	16.4	18.5	27.4	27.4	6.15	6.17	78.2	78.4	3.97	4.02		4.00	6.0		6.0
						27.4		6.18		78.5		4.02			6.0			
05/01/13	1807-1822	14/Fine	Surface	1.0	18.4	27.0	27.0	6.33	6.35	80.4	80.7	3.56	3.60	3.76	5.4	5.5	5.7	
						27.0		6.37		80.9		3.63			5.6			
			Middle	9.0	18.3	27.0	27.1	6.29	6.25	79.9	79.4	3.78	3.72		3.75	5.8		5.7
						27.1		6.21		78.9		3.72			5.6			
			Bottom	17.0	18.3	27.2	27.3	6.06	6.08	76.9	77.2	3.92	3.93		3.93	5.8		5.8
						27.3		6.10		77.5		3.93			5.8			
08/01/13	0912-0924	16/Cloudy	Surface	1.0	17.3	27.4	27.5	6.48	6.50	79.4	79.7	3.57	3.59	3.81	5.4	5.5	5.7	
						27.5		6.52		79.9		3.60			5.6			
			Middle	8.9	17.5	27.6	27.7	6.28	6.26	76.9	76.7	3.83	3.86		3.85	5.8		5.8
						27.7		6.24		76.4		3.86			5.8			
			Bottom	16.8	17.5	27.8	27.9	6.11	6.13	74.8	75.0	3.96	4.01		3.99	6.0		5.9
						27.9		6.14		75.2		4.01			6.0			
10/01/13	1131-1144	18/Cloudy	Surface	1.0	17.3	27.3	27.3	6.58	6.59	80.3	80.4	3.77	3.78	3.97	5.6	5.7	5.9	
						27.2		6.60		80.5		3.79			5.8			
			Middle	9.2	17.4	27.6	27.6	6.30	6.32	76.9	77.1	3.96	4.01		3.99	5.8		5.9
						27.6		6.33		77.2		4.01			6.0			
			Bottom	17.4	17.5	27.7	27.7	6.18	6.19	75.4	75.5	4.17	4.13		4.15	6.2		6.1
						27.7		6.20		75.6		4.13			6.0			
12/01/13	1309-1322	17/Cloudy	Surface	1.0	17.3	27.3	27.4	6.90	6.92	84.6	84.9	3.48	3.51	3.69	5.4	5.4	5.6	
						27.4		6.94		85.1		3.54			5.4			
			Middle	9.0	17.3	27.4	27.4	6.79	6.75	83.2	82.8	3.57	3.59		3.58	5.6		5.6
						27.3		6.71		82.3		3.59			5.6			
			Bottom	17.0	17.3	27.5	27.5	6.66	6.68	81.7	84.4	3.97	3.99		3.98	5.8		5.8
						27.4		6.69		87.0		3.99			5.8			
15/01/13	1521-1536	17/Fine	Surface	1.0	17.4	27.3	27.4	7.10	7.12	86.9	87.2	4.04	4.05	4.09	5.8	5.9	6.0	
						27.4		7.14		87.4		4.06			6.0			
			Middle	5.6	17.3	27.4	27.4	6.84	6.85	83.7	83.8	4.15	4.19		4.17	6.2		6.2
						27.3		6.86		83.9		4.19			6.2			
			Bottom	10.2	17.4	27.5	27.5	6.62	6.65	81.0	81.4	4.05	4.06		4.06	5.8		5.9
						27.4		6.68		81.8		4.06			6.0			
17/01/13	1651-1706	20/Fine	Surface	1.0	17.3	26.8	26.9	7.25	7.27	88.6	88.7	3.06	3.04	3.20	5.0	5.0	5.2	
						26.9		7.28		88.8		3.01			5.0			
			Middle	8.8	17.4	27.0	27.1	7.16	7.15	87.4	87.2	3.17	3.22		3.20	5.2		5.2
						27.1		7.13		87.0		3.22			5.2			
			Bottom	16.6	17.4	27.2	27.3	7.07	7.05	86.3	86.0	3.34	3.41		3.38	5.4		5.4
						27.3		7.02		85.6		3.41			5.4			
19/01/13	1821-1836	16/Cloudy	Surface	1.0	17.3	27.1	27.2	7.43	7.47	90.6	91.1	3.44	3.45	3.74	5.4	5.5	5.7	
						27.2		7.50		91.5		3.46			5.6			
			Middle	8.6	17.3	27.2	27.3	7.34	7.36	89.5	89.8	3.74	3.78		3.76	5.6		5.7
						27.3		7.38		90.0		3.78			5.8			
			Bottom	16.2	17.4	27.4	27.4	7.18	7.19	87.6	87.7	3.99	4.02		4.01	5.8		5.9
						27.4		7.20		87.8		4.02			6.0			
22/01/13	2037-2049	21/Fine	Surface	1.0	17.6	27.2	27.2	7.31	7.34	89.1	89.4	3.28	3.29	3.52	5.2	5.2	5.4	
						27.2		7.36		89.7		3.30			5.2			
			Middle	8.5	17.6	27.4	27.4	7.27	7.27	88.6	88.6	3.58	3.56		3.57	5.6		5.5
						27.3		7.26		88.5		3.56			5.4			
			Bottom	16.0	17.8	27.5	27.5	7.17	7.16	87.4	87.3	3.68	3.70		3.69	5.6		5.6
						27.4		7.15		87.2		3.70			5.6			
24/01/13	1058-1107	17/Fine	Surface	1.0	17.6	27.3	27.3	7.83	7.84	95.5	95.6	3.29	3.33	3.54	5.2	5.3	5.5	
						27.3		7.84		95.6		3.36			5.4			
			Middle	8.6	17.7	27.4	27.4	7.72	7.74	94.2	94.5	3.44	3.48		3.46	5.4		5.4
						27.4		7.76		94.7		3.48			5.4			
			Bottom	16.2	17.8	27.5	27.6	7.46	7.47	91.0	91.2	3.87	3.82		3.85	5.8		5.8
						27.6		7.48		91.3		3.82			5.8			
26/01/13	1207-1219	17/Fine	Surface	1.0	17.6	27.2	27.3	7.78	7.79	94.8	94.9	3.34	3.38	3.59	5.2	5.3	5.5	
						27.3		7.79		95.0		3.41			5.4			
			Middle	8.7	17.7	27.3	27.4	7.67	7.69	93.5	93.8	3.49	3.53		3.51	5.4		5.4
						27.4		7.71		94.0		3.53			5.4			
			Bottom	16.4	17.8	27.4	27.5	7.41	7.42	90.3	90.5	3.92	3.87		3.90	5.8		5.7
						27.5		7.43		90.6		3.87			5.6			
29/01/13	1418-1433	18/Fine	Surface	1.0	17.4	27.4	27.4	7.50	7.51	91.4	91.7	3.48	3.49	3.61	5.4	5.4	5.6	
						27.3		7.52		91.7		3.50			5.4			
			Middle	6.7	17.6	27.6	27.6	7.40	7.39	90.2	90.2	3.63	3.61		3.62	5.6		5.6
						27.5		7.38		89.9		3.61			5.6			
			Bottom	12.4	17.8	27.6	27.7	7.33	7.34	89.4	89.5	3.74	3.71		3.73	5.8		5.7
						27.7		7.35		89.5		3.71			5.6			

Monitoring Station : C1

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)		Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)				
						Value	Average	Value	Average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average		
03/01/13	1516-1531	19/Fine	Surface	1.0	18.3	27.0	27.0	6.35	6.33	80.6	80.4	3.56	3.58	3.87	5.6	5.6	5.8		
			Middle	7.4	18.3	27.1		6.27		79.7		79.4			3.87			5.6	
			Bottom	13.8	18.4	27.2	6.23	79.1	76.6	3.90	5.8								
05/01/13	1654-1709	14/Fine	Surface	1.0	18.2	26.9	27.0	6.34	6.35	80.5	80.7	3.63	3.66		3.88	5.6		5.6	5.8
			Middle	7.6	18.3	27.1		6.24		79.2		79.4				3.86			
			Bottom	14.2	18.4	27.2	6.26	79.5	76.8	3.90	6.0								
08/01/13	0808-0820	16/Cloudy	Surface	1.0	17.2	27.3	27.6	6.06	6.30	76.9	77.2	4.14	3.57	3.86		5.4	5.5	5.8	
			Middle	7.7	17.3	27.5		6.23		76.3		76.1				3.86			
			Bottom	14.4	17.5	27.8	6.19	75.8	73.3	3.89	6.0								
10/01/13	1030-1043	18/Cloudy	Surface	1.0	17.4	27.5	27.7	6.31	6.58	77.3	80.3	3.56	3.65		3.72	5.4	5.4		5.7
			Middle	7.0	17.5	27.6		6.28		77.0		78.4				3.58			
			Bottom	13.0	17.5	27.7	6.59	80.4	78.6	3.69	6.0								
12/01/13	1205-1218	16/Cloudy	Surface	1.0	17.3	27.7	27.4	6.40	6.49	78.1	79.5	4.01	3.95	3.81		5.4	5.6	5.8	
			Middle	7.1	17.3	27.4		6.44		78.6		85.2				3.96			
			Bottom	13.2	17.1	27.7	6.57	80.2	79.7	3.61	6.0								
15/01/13	1409-1424	17/Fine	Surface	1.0	17.4	27.7	27.3	6.59	6.89	80.4	84.4	3.69	3.85		4.01	5.8	5.8		5.9
			Middle	7.4	17.5	27.4		6.88		84.2		83.5				3.96			
			Bottom	13.8	17.5	27.3	6.90	84.5	83.5	3.92	6.2								
17/01/13	1539-1554	20/Fine	Surface	1.0	17.4	27.5	27.5	6.83	6.82	83.6	83.5	4.21	4.24	3.19		5.0	5.0	5.2	
			Middle	7.2	17.4	27.4		6.81		83.4		86.9				3.87			
			Bottom	13.4	17.5	27.2	7.05	86.0	85.8	3.33	5.5								
19/01/13	1709-1724	15/Fine	Surface	1.0	17.2	27.2	27.3	7.47	7.48	91.1	91.2	3.38	3.39		3.61	5.4	5.4		5.7
			Middle	7.1	17.3	27.3		7.24		88.3		88.5				3.54			
			Bottom	13.2	17.3	27.4	7.09	86.5	86.6	3.62	6.0								
22/01/13	1933-1945	21/Fine	Surface	1.0	17.6	27.4	27.3	7.11	7.30	86.7	90.5	3.20	3.25	3.56		5.2	5.2	5.5	
			Middle	7.2	17.6	27.2		7.44		90.7		89.0				3.26			
			Bottom	13.4	17.7	27.3	7.31	88.9	88.2	3.68	6.0								
24/01/13	1018-1027	17/Fine	Surface	1.0	17.5	27.4	27.3	7.22	7.65	88.0	93.4	3.74	3.77		4.01	5.6	5.7		6.1
			Middle	7.0	17.6	27.4		7.24		93.6		93.4				3.65			
			Bottom	13.0	17.7	27.3	7.48	91.3	91.4	3.78	6.2								
26/01/13	1103-1115	17/Fine	Surface	1.0	17.6	27.5	27.5	7.45	7.44	90.8	92.7	4.21	4.15	4.06		5.8	5.8	6.0	
			Middle	7.2	17.7	27.3		7.92		96.5		92.7				3.81			
			Bottom	13.4	17.8	27.4	7.58	96.5	90.7	4.12	6.2								
29/01/13	1300-1315	18/Fine	Surface	1.0	17.6	27.5	27.3	7.43	7.61	90.6	92.8	4.23	3.35		3.51	5.2	5.2		5.4
			Middle	8.1	17.5	27.3		7.59		92.5		91.4				3.36			
			Bottom	15.2	17.8	27.6	7.63	93.0	88.5	3.57	5.8								

Mid-Ebb Tide



Monitoring Station : C3

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)		Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)			
						Value	Average	Value	Average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average	
03/01/13	1538-1552	19/Fine	Surface	1.0	18.3	27.0	27.0	6.37	6.35	80.9	80.7	3.63	3.66	3.87	5.6	5.6	5.8	
						27.0		6.33		80.4		3.68			5.6			
			Middle	6.5	18.4	27.1	27.2	6.21	6.24	78.9	79.2	3.75	3.78		5.6	5.7		5.8
						27.2		6.26		79.5		3.80			5.8			
			Bottom	12.0	18.4	27.3	27.3	6.05	6.08	76.9	77.2	4.16	4.18		6.2	6.2		
						27.2		6.10		77.5		4.20			6.2			
05/01/13	1712-1727	14/Fine	Surface	1.0	18.2	26.9	27.0	6.41	6.40	81.4	81.3	3.50	3.52	3.87	5.4	5.4	5.8	
						27.0		6.39		81.1		3.54			5.4			
			Middle	6.6	18.4	27.0	27.1	6.23	6.25	79.1	79.4	3.94	3.95		5.8	5.8		6.2
						27.2		6.27		79.6		3.96			6.2			
			Bottom	12.2	18.4	27.3	27.3	6.19	6.19	78.6	78.6	4.13	4.15		6.2	6.2		
						27.3		6.18		78.5		4.17			6.2			
08/01/13	0824-0836	16/Cloudy	Surface	1.0	17.1	27.4	27.5	6.33	6.31	79.1	78.1	3.62	3.65	3.86	5.6	5.6	5.9	
						27.5		6.29		77.1		3.67			5.6			
			Middle	6.8	17.3	27.5	27.6	6.17	6.20	75.6	75.9	3.74	3.77		5.8	5.8		
						27.6		6.22		76.2		3.79			5.8			
			Bottom	12.6	17.5	27.7	27.8	6.01	6.04	73.6	74.7	4.15	4.17		6.2	6.2		
						27.8		6.06		75.8		4.19			6.2			
10/01/13	1045-1058	18/Cloudy	Surface	1.0	17.4	27.5	27.5	6.83	6.82	83.3	83.2	3.69	3.72	3.88	5.6	5.6	5.8	
						27.4		6.81		83.1		3.74			5.6			
			Middle	6.4	17.4	27.6	27.7	6.71	6.75	81.9	82.4	3.82	3.83		5.8	5.8		
						27.7		6.79		82.8		3.84			5.8			
			Bottom	11.8	17.5	27.8	27.8	6.56	6.55	80.0	79.9	4.08	4.09		6.0	6.1		
						27.7		6.54		79.8		4.10			6.2			
12/01/13	1221-1234	16/Cloudy	Surface	1.0	17.2	27.4	27.4	7.08	7.05	86.8	86.5	3.65	3.67	3.81	5.6	5.6	5.8	
						27.4		7.02		86.1		3.68			5.6			
			Middle	6.6	17.4	27.3	27.3	6.90	6.94	84.6	85.1	3.94	3.93		6.0	6.0		
						27.3		6.98		85.6		3.92			6.0			
			Bottom	12.2	17.2	27.5	27.5	6.49	6.45	79.6	79.1	3.84	3.82		5.8	5.8		
						27.4		6.41		78.6		3.80			5.8			
15/01/13	1427-1442	17/Fine	Surface	1.0	17.3	27.2	27.3	6.87	6.88	84.1	84.2	3.99	3.95	4.13	5.8	5.8	6.1	
						27.3		6.89		84.3		3.91			5.8			
			Middle	6.6	17.4	27.3	27.3	6.70	6.71	82.0	82.2	4.19	4.16		6.4	6.3		
						27.3		6.72		82.3		4.12			6.2			
			Bottom	12.2	17.5	27.4	27.4	6.78	6.79	82.9	83.1	4.27	4.29		6.2	6.3		
						27.4		6.80		83.2		4.30			6.4			
17/01/13	1557-1612	20/Fine	Surface	1.0	17.3	26.7	26.8	7.33	7.31	89.4	89.2	3.14	3.17	3.29	5.2	5.2	5.3	
						26.8		7.29		88.9		3.20			5.2			
			Middle	6.6	17.3	26.8	26.9	7.22	7.21	88.1	87.7	3.25	3.28		5.4	5.3		
						26.9		7.19		87.7		3.31			5.4			
			Bottom	12.2	17.4	27.0	27.1	7.08	7.07	86.4	86.2	3.41	3.43		5.6	5.5		
						27.1		7.05		86.0		3.45			5.6			
19/01/13	1727-1742	15/Fine	Surface	1.0	17.3	27.2	27.3	7.56	7.55	92.2	92.1	3.48	3.49	3.69	5.4	5.5	5.6	
						27.3		7.54		91.9		3.49			5.6			
			Middle	6.6	17.3	27.3	27.4	7.30	7.29	89.1	89.0	3.60	3.63		5.6	5.6		
						27.4		7.28		88.8		3.65			5.6			
			Bottom	12.2	17.4	27.4	27.4	7.21	7.24	87.9	88.3	3.94	3.96		5.8	5.8		
						27.4		7.26		88.6		3.98			5.8			
22/01/13	1949-2001	21/Fine	Surface	1.0	17.6	27.2	27.2	7.30	7.29	88.9	88.8	3.26	3.29	3.48	5.2	5.2	5.4	
						27.1		7.28		88.7		3.32			5.2			
			Middle	6.5	17.5	27.3	27.4	7.22	7.23	88.0	88.1	3.52	3.50		5.4	5.4		
						27.4		7.23		88.1		3.48			5.4			
			Bottom	12.0	17.8	27.5	27.5	7.16	7.17	87.3	87.4	3.63	3.64		5.6	5.6		
						27.5		7.17		87.4		3.65			5.6			
24/01/13	1028-1037	17/Fine	Surface	1.0	17.4	27.1	27.2	7.82	7.81	95.4	95.3	3.89	3.90	4.00	5.8	5.8	5.9	
						27.2		7.80		95.2		3.91			5.8			
			Middle	6.6	17.6	27.3	27.4	7.66	7.68	93.5	93.7	3.96	3.99		5.8	5.9		
						27.4		7.70		93.9		4.02			6.0			
			Bottom	12.2	17.8	27.4	27.5	7.44	7.46	90.8	91.1	4.09	4.10		6.0	6.1		
						27.5		7.48		91.3		4.10			6.2			
26/01/13	1119-1131	17/Fine	Surface	1.0	17.6	27.3	27.3	7.77	7.76	94.7	94.6	3.94	3.95	4.05	5.8	5.8	6.0	
						27.3		7.75		94.5		3.96			5.8			
			Middle	6.6	17.8	27.4	27.5	7.61	7.63	92.8	93.1	4.01	4.04		6.0	6.0		
						27.5		7.65		93.3		4.07			6.0			
			Bottom	12.2	17.8	27.6	27.6	7.39	7.41	90.1	90.4	4.14	4.15		6.2	6.2		
						27.6		7.43		90.6		4.15			6.2			
29/01/13	1320-1335	18/Fine	Surface	1.0	17.5	27.3	27.3	7.68	7.67	93.6	93.5	3.46	3.48	3.59	5.4	5.4	5.6	
						27.3		7.65		93.3		3.50			5.4			
			Middle	7.2	17.6	27.4	27.5	7.42	7.44	90.4	90.7	3.62	3.61		5.6	5.6		
						27.5		7.46		90.9		3.60			5.6			
			Bottom	13.4	17.8	27.6	27.6	7.30	7.32	88.9	89.2	3.68	3.69		5.8	5.7		
						27.6		7.33		89.4		3.70			5.6			

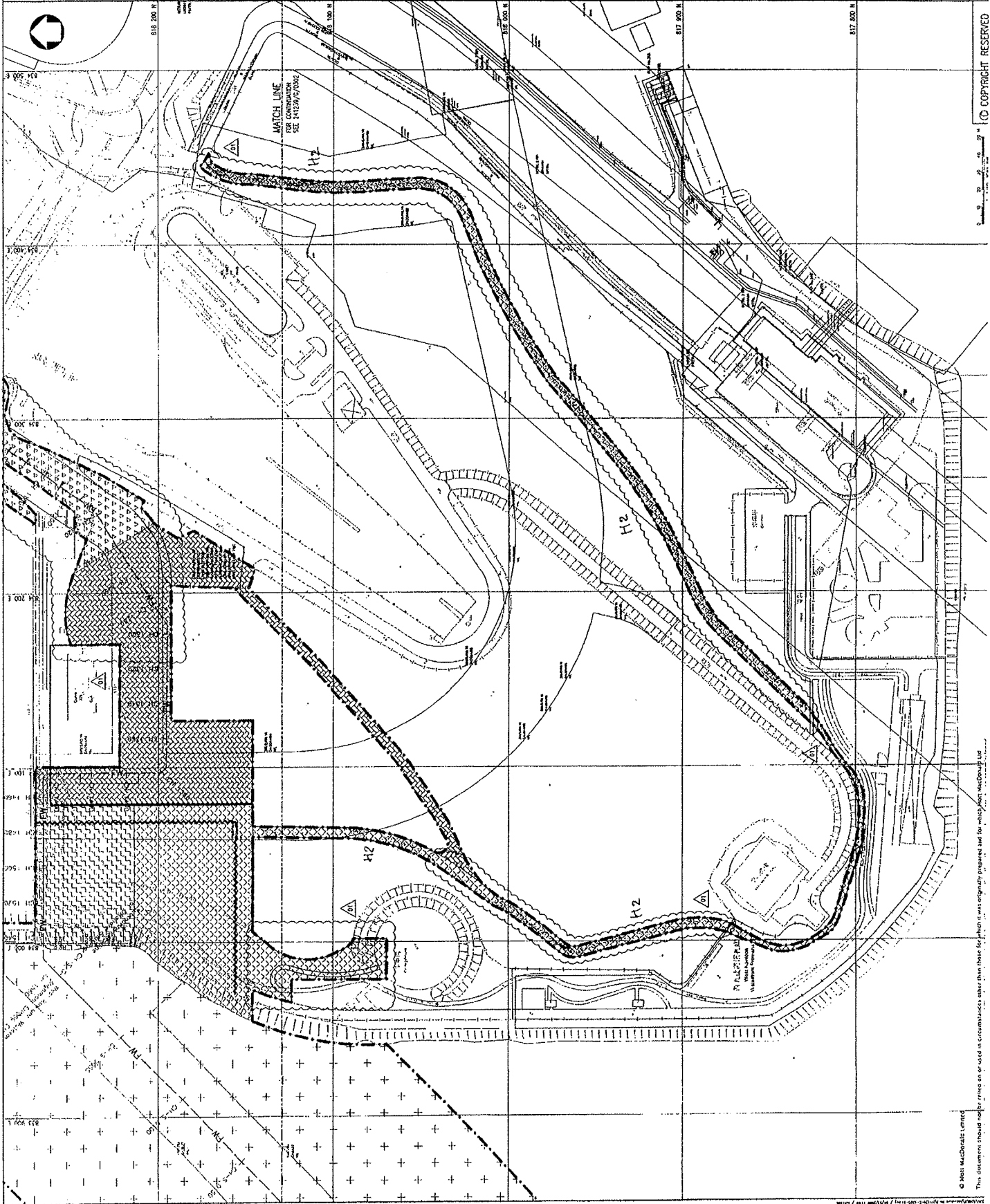


Appendix H

Site General Layout plan

NOTES :

1. THIS DRAWING SHALL BE USED IN CONNECTION WITH DRAWING NOS. 241239/G/0300 TO 0302 AND 0304 TO 0305.
2. THE LEGEND SHALL REFER TO DRAWING NO. 241239/G/0301.



DT DATE 09	TECHNOLOGICAL NO. 3	DATE	BY
0 DEC 05	PL ISSUE FOR TENDER	02	ELK
Drawn	Checked	Checked	Checked

Mott MacDonald
 11th Floor, One Central Plaza
 22 Lansdowne Street
 Hong Kong
 Tel: 852 2712 1122
 Fax: 852 2712 1123
 www.mottmacdonald.com.hk

THE GOVERNMENT OF THE HONG KONG
 SPECIAL ADMINISTRATIVE REGION
 WATER SUPPLIES DEPARTMENT

CONTRACT NO. 9/MSD/03
 LAYING OF WESTERN CROSS HARBOUR MAIN
 AND ASSOCIATED LAND MAINS FROM WEST
 KOHLOON TO SAI YING PUN

POSSESSION OF SITE
 (SHEET 3 OF 5)

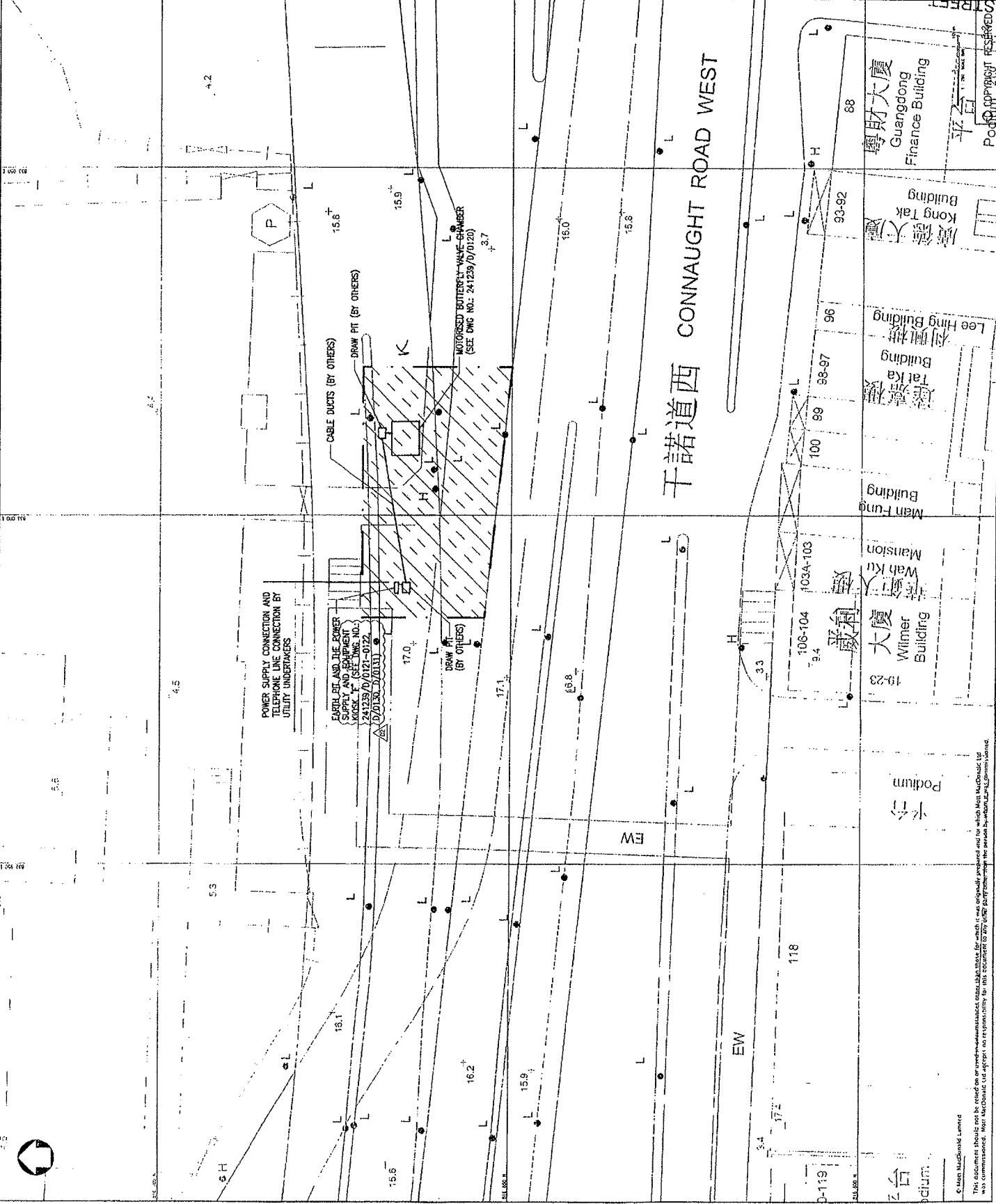
DESIGNED	PL	DATE	BY
CHECKED	PL	DATE	BY
APPROVED	PL	DATE	BY
DATE	241239		
SCALE	1:1000		
CAD FILE			
		TEN	01

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NOTES

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NOS. 241239/0/0301 TO 0304.
2. THE LEGEND SHALL REFER TO DRAWING NO. 241239/0/0301.



REV	DATE	DESCRIPTION	BY	CHKD
02	FEB 08	ISSUE APPROXIMATE NO. 2	YJH	
01	JAN 08	REVISED APPROXIMATE NO. 1	KL	SJC
00	DEC 08	PL ISSUE FOR TENDER	KL	SJC

Mott MacDonald

THE GOVERNMENT OF THE HONG KONG
 SPECIAL ADMINISTRATIVE REGION
 WATER SUPPLIES DEPARTMENT

PROJECT NO. 9/WSD/08
 LAYING OF WESTERN CROSS HARBOUR MAIN AND ASSOCIATED LAND MAINS FROM WEST KOWLOON TO SAI YING PUI

POSSESSION OF SITE
 (SHEET 5 OF 5)

SCALE	1:250	DATE	241239/0
PROJECT	241239	DRAWING NO.	241239/0/0305
DESIGNED BY		CHECKED BY	
DRAWN BY		APPROVED BY	
DATE			


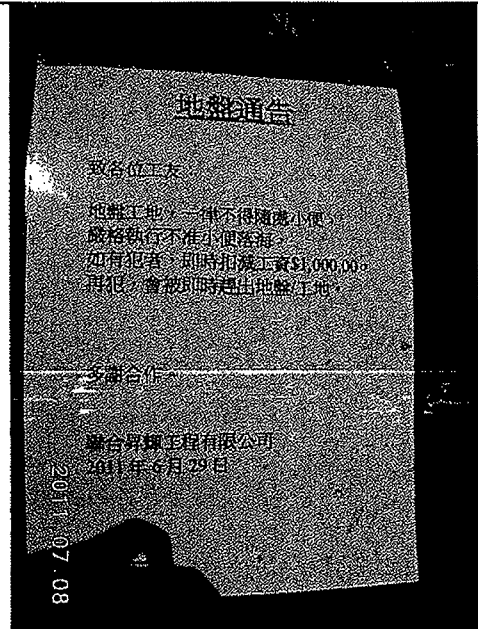
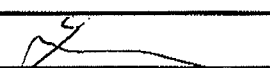
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Appendix I

Complaint Investigation Report



ETS-Testconsult Ltd – Environmental Team (ET)			
Complaint Investigation Report			
Contract No.9/WSD/08			
Laying of Western Cross Harbour Main and Associated Land Mains from West Kowloon to Sai Ying Pun			
Details of the Complaint			Log No. : 001
Date	23 June 2011	Time	23:48
Location			
Portion I – Launch Barge			
Circumstances:			
One complaint received on 23 June 2011 was forwarded by the Engineer's Representatives on 08 July 2011 through internet from a citizen against urinating into the sea from the Launching Barge which caused by site workers. The complainant complained that that caused an environmental nuisance.			
Follow action(s)			
Follow up by	ET	Date	08 July 2011
Details of Follow up action(s)			
During the weekly site inspection on 08 July 2010, the Contractor has provided portable chemical toilet and warning notice on the barge. No urinating was observed during the weekly site inspection.			
Photos During the Investigation			
			
Details of Action(s) Taken by the Contactor			
<ol style="list-style-type: none"> 1. Meeting has been arranged on 29 June 2011 to discuss the safety and environmental issues on launching barge. 2. New disciplinary system has been in place to prevent the same inappropriate act of workers from happening. 3. Additional sanitary facilities have been added on the barge and the nearby area to facilitate the workers need. 			
Conclusion			
The Contractor has implemented mitigation measures to prevent the same inappropriate act of workers from happening.			
Prepared by:	C L Lau	Signature:	
Designation:	Senior Environmental Officer	Date:	08 July 2011

ETL - Env & Chem

寄件者: Edwin Yip [edwinyip@biznetvigator.com]
寄件日期: Friday, July 8, 2011 10:36
收件者: 'Justin Ye'; 'ETL - Env & Chem'
副本: 'dennis'
主旨: 9/WSD/08 - public complaint regarding workers urinating at the launching barge to the sea
附件: CR - 021 preliminary report.pdf; environmental malpractice on site (348 KB)

Dear Linda and Justin,

Please find the attached pdf file on the information of the public complaint on 23 Jun 2011 regarding workers urinating at the launching barge to the sea for your information. Please also find the attached e-mail showing that similar behavior was observed on 3 Jun 2011.

As discussed, please incorporate this complaint to the upcoming EM&A report. Thanks.

Regards,

Edwin Yip
Assistant Resident Engineer,
Mott MacDonald Hong Kong Limited
Contract No. 9/WSD/08
Tel:23772823 Fax:23772900

Important Note:



The maximum size of email delivered to this address is limited to 2MB. In case of email exceeding 2MB, please send to inwsd0908@yahoo.com.hk or contact the above undersigned at 23772823 for assistance.

08/07/2011

CONTRACT NO. 9/WSD/08
LAYING OF WESTERN CROSS HARBOUR MAIN AND ASSOCIATED LAND MAINS
FROM WEST KWLOON TO SAI YING PUN
ENGINEER'S REPRESENTATIVE'S
COMPLAINTS/ENQUIRIES PRELIMINARY REPORT

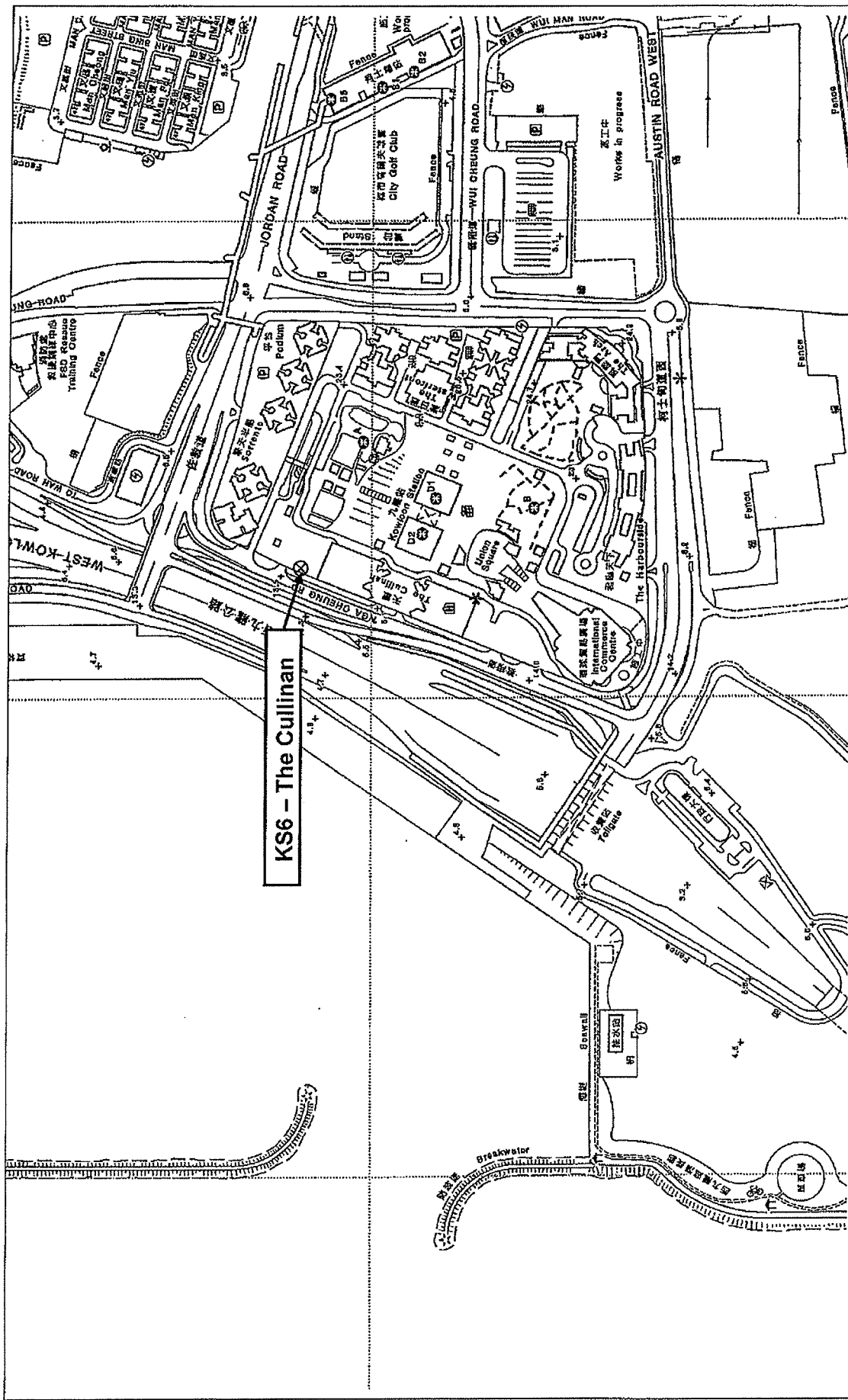
1. Complaint/Enquiry-No.:	9WSD08/CR/021		
2. Complaint/Enquiry Received:			
i) Date	23/06/2011		
ii) Time	23:48		
3. Complainant/Enquirer-Details:			
i) Name	unknown		
ii) Contact Email.	heiwan2003@yahoo.com.hk		
4. Brief details of Complaint/Enquiry:			
An anonymous complainant (email address: heiwan2003@yahoo.com.hk) emailed to 1823 Government Call Centre and complaint workers were urinating into the sea from the Launching Barge at West Kowloon.			
5. Location:			
i) Section of Works:	Portion I		
ii) Site:	Launch Barge		
iii) Works / Activities:	Submarine Pipe Pulling		
6. Complaint Routing:			
i) Initial			
a) From: anonymous complainant	b) To: 1823 government Call Centre	Time: 23:48, 23/06/11	
b) From: 1823 Call Centre Duty Manager	c) To: WSD/PR Ms. W.C. Chan	Time: 12:18, 24/06/11	
c) From: WSD/PR Ms. W.C. Chan	d) To: WSD/Region Victor Lam and WSD/PM Y.S. Wong	Time: 13:54, 24/06/11	
d) From: WSD/Region Victor Lam	e) To: WSD/CM Ms. Candy Wong	Time: 14:00, 24/06/11	
e) From: WSD/Region P.W. Wong	f) To: RSS Dennis Lau and WHPOJV Frank Young	Time: 14:10, 24/06/11	
ii) Subsequent			
f) From: RSS Dennis Lau	g) To: WHPOJV Jimson Yeung	Time: 09:21, 25/06/11	

**CONTRACT NO. 9/WSD/08
 LAYING OF WESTERN CROSS HARBOUR MAIN AND ASSOCIATED LAND MAINS
 FROM WEST KWOLONG TO SAI YING PUN
 ENGINEER'S REPRESENTATIVE'S
 COMPLAINTS/ENQUIRIES PRELIMINARY REPORT**

7. Initial Response:			
i) Date:	25/06/2011		
ii) Time:	9:21		
iii) Brief Details			
<p>Dennis Lau informed Jimson Yeung (WHPOJV) that workers were observed by the public urinating into the sea from the launching barge. WHPOJV arranged a talk on 25/06/2011 to the workers on launching barge to educate and prevent the workers from urinating from the launching barge again.</p> <p>Since this has been identified in previous SSEMC, a high level meeting has been arranged on 29/06/2011 to discuss the safety and environmental issues on launching barge. The sub-contractor, United Soundfair, has informed that a new disciplinary system is in place to prevent the same inappropriate act of workers from happening. Additional sanitary facilities have also been added on the barge and the nearby area to facilitate the workers need.</p>			
5. Status of Resolution: Not Known			
6. Remarks: The Contractor has been warned that such irresponsible behaviors are unacceptable. It is also unacceptable that the Contractor did not take immediate step to stop repeating of such irresponsible behaviors after being informed on 3 June 2011 of similar behaviors of workers on the barge.			
Prepared by	Authorized for issue		
Name:	Dennis Lau	Name:	Kelvin Ho
Designation:	RE	Designation:	SRE
Signature		Signature:	
Date:	30/06/2011	Date:	30/06/2011



Figures



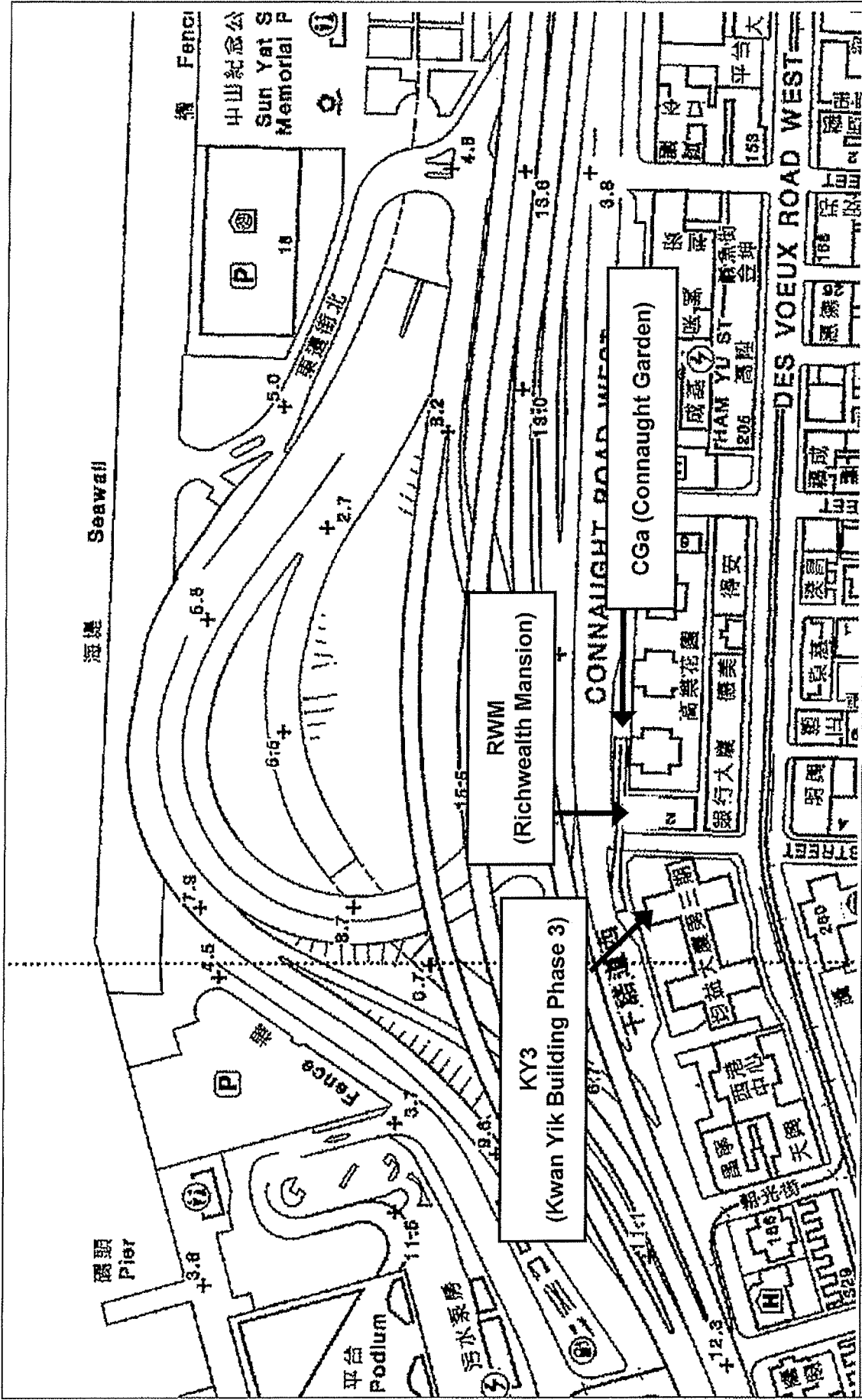
Contract No. 9/WSD/08 Laying of Western Cross Harbour Main and Associated Land Mains for West Kowloon to Sai Ying Pun

Figure 1

Location of Noise Monitoring Station at West Kowloon



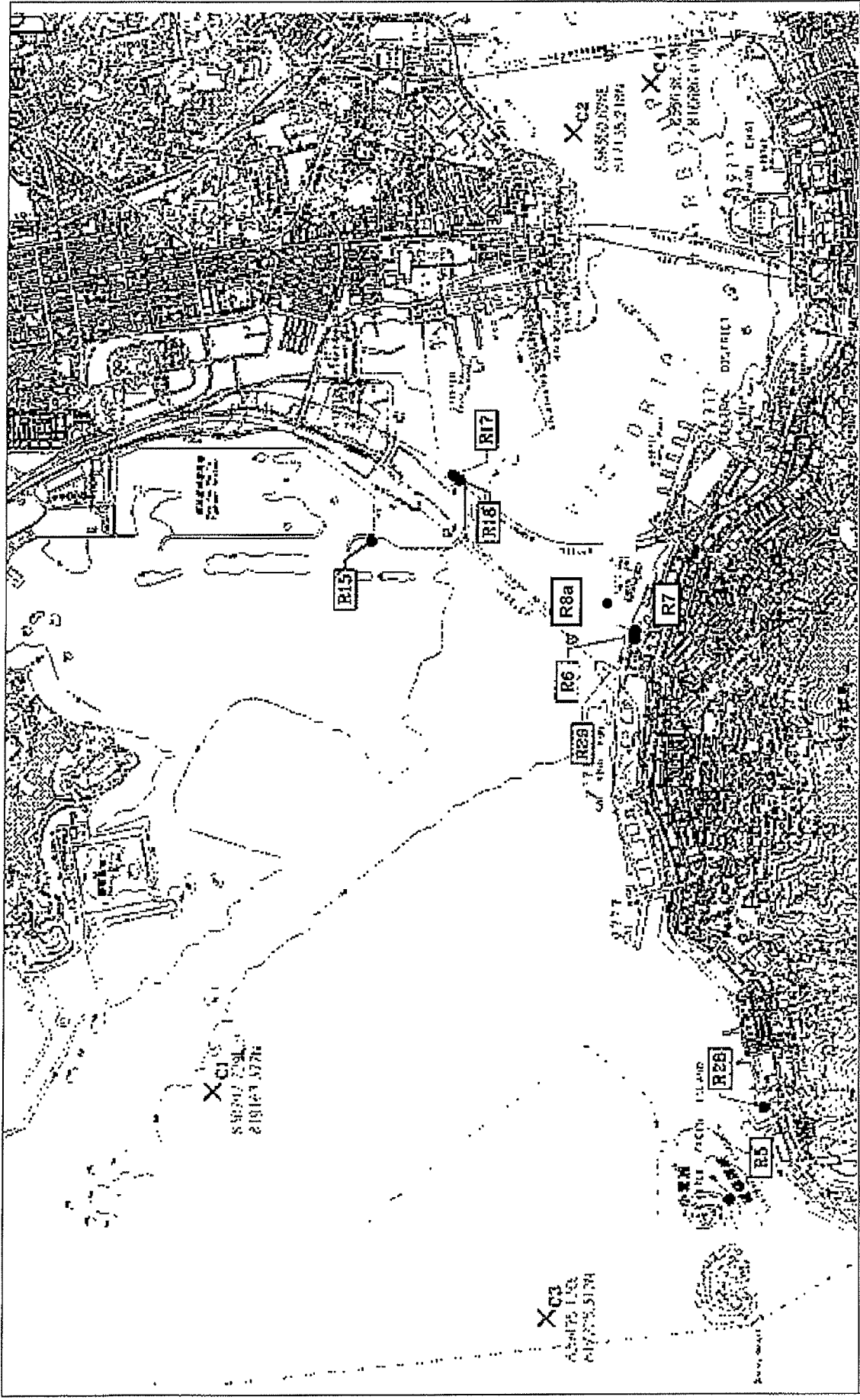
東業德測試顧問有限公司
ETS-TESTCONSULT LIMITED



Contract No. 9/WSD/08 Laying of Western Cross Harbour Main and Associated Land Mains for West Kowloon to Sai Ying Pun

Figure 2

Locations of Noise Monitoring Stations at Sai Ying Pun



Contract No. 9/WSD/08 Laying of Western Cross Harbour Main and Associated Land Mains for West Kowloon to Sai Ying Pun.

Figure 3

Locations of Water Quality Monitoring Stations



Drawn	14/7/16	CHK	PRELIMINARY	DATE	SCALE
					1:25000000

Mott	McCormack
Mott MacDonald Limited 407 Riverside Centre 100 Harbour Road Kowloon, Hong Kong Tel: 852 2507 8822 Fax: 852 2507 8823 E-mail: mottmacdonald.com	

THE GOVERNMENT OF THE HONG KONG SPECIAL ADMINISTRATIVE REGION WATER SUPPLIES DEPARTMENT	
GEAR/2005/WS	

LAYING OF WESTERN CROSS HARBOUR MAIN AND ASSOCIATED LAND MAINS FROM WEST KOWLOON TO SAI YUNG PUN - INVESTIGATION	
LOCATIONS OF WATER SENSITIVE RECEIVERS AND STORMWATER OUTFALLS AT WESTERN HARBOUR	
Project No.	1: 25000000
Scale	1:25000000
Sheet No.	28113
Revision	
Author	
Checker	
Approver	
Date	

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FIGURE 1.2a

LEGEND:

- PROPOSED ROUTE OF 1000+ FRESH WATER MAIN
- NOISE SENSITIVE RECEIVERS
- 300m NOISE ASSESSMENT BOUNDARY
- WORKS AREA BOUNDARY

A	DATE	TYPE	DESCRIPTION
		PRELIMINARY	03/10/2004

Mott
Connell
 11th Floor, 110-112
 4077 Royal Centre
 100 Queen's Road East
 HONG KONG
 TEL: 852 2517
 FAX: 852 2523
 WWW.MOTTCONNELL.COM

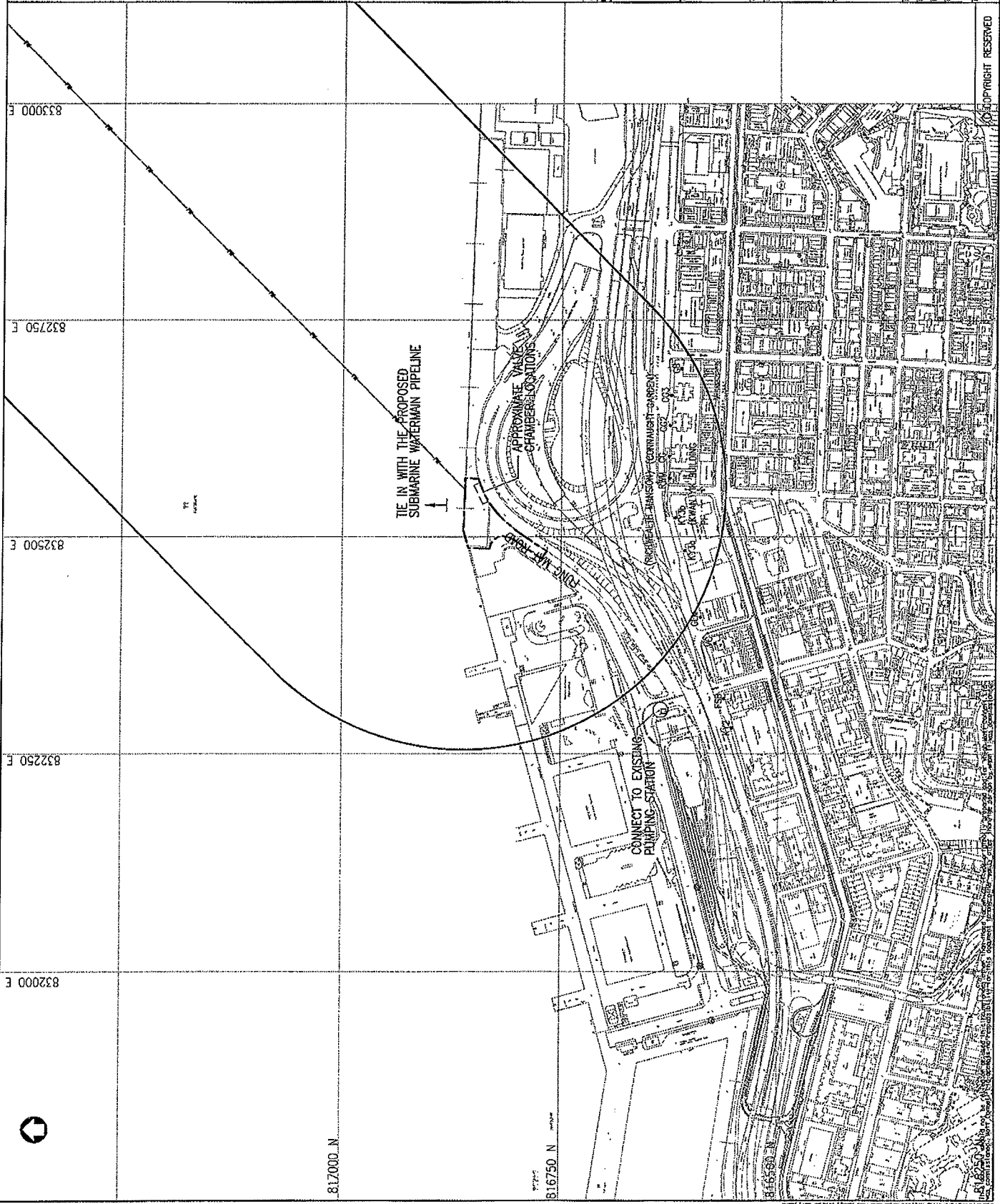
THE GOVERNMENT OF THE HONG KONG
 SPECIAL ADMINISTRATIVE REGION
 WATER SUPPLIES DEPARTMENT

PROJECT: DE42/2003(W)

LAYING OF WESTERN CROSS HARBOUR MAIN
 AND ASSOCIATED LAND MAINS FROM WEST
 KOWLOON TO SAI TING PUN - INVESTIGATION

LOCATIONS OF NOISE SENSITIVE
 RECEIVERS IN SAI TING PUN

Drawn	CHK	Completed	
Checked	CHK	Approved	
Project	1 : 20000A1	Scale	
Sheet No.		Figure No.	FIGURE 1.2b



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LEGEND:

- PROPOSED ROUTE OF 1200# FRESH WATER MAIN
- NOISE SENSITIVE RECEIVERS
- TEMPORARY PLATFORM
- 300m NOISE ASSESSMENT BOUNDARY
- WORKS AREA BOUNDARY

NO.	REV.	DATE	DESCRIPTION	BY	CHECKED
1			PRELIMINARY		

Mott
McCann
Consultants Limited
 40/F Hopewell Centre
 183 Queen's Road East
 Hong Kong
 Tel: 852 2572 7700
 Fax: 852 2572 1833
 Web: www.mott.com

THE GOVERNMENT OF THE HONG KONG
SPECIAL ADMINISTRATIVE REGION
WATER SUPPLIES DEPARTMENT

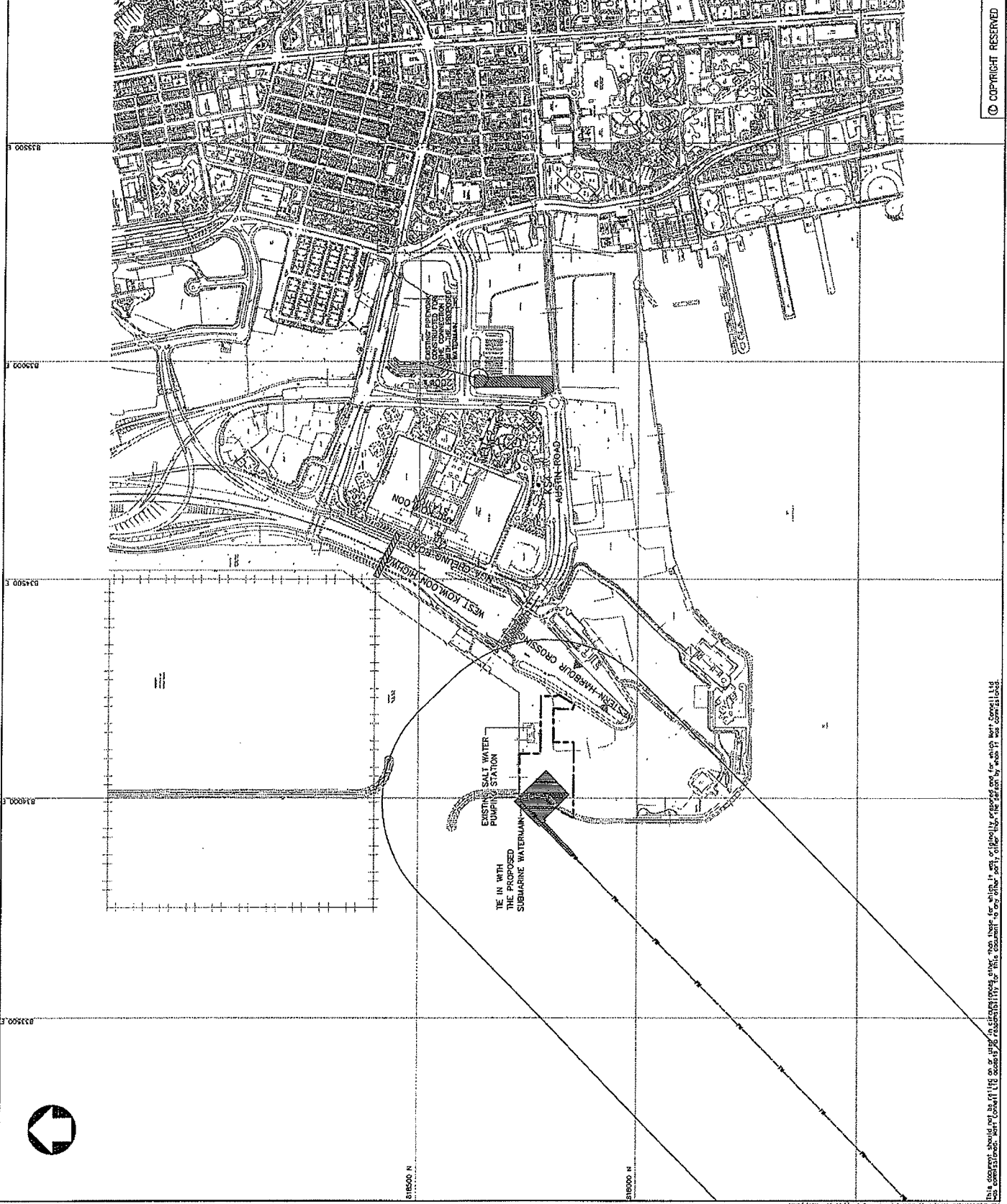
DE42/2005(NS)

LAYING OF WESTERN CROSS HARBOUR MAIN AND ASSOCIATED LAND MAINS FROM WEST KOWLOON TO SHI YING FUN - INVESTIGATION

LOCATION OF NOISE SENSITIVE RECEIVERS IN WEST KOWLOON

Project No.	DE42/2005(NS)
Scale	1 : 40000A1
Author	
Checker	
Approver	
Date	

FIGURE 1.2c



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