



**CONTRACT NO: SD 15/2022**  
**OUTLYING ISLAND SEWERAGE STAGE 2 – SOUTH LANTAU SEWAGE  
WORKS – ENVIRONMENTAL TEAM SERVICES (2023 – 2024)**  
**UNDER ENVIRONMENTAL PERMIT NO. EP-538/2017**  
**QUARTERLY ENVIRONMENTAL MONITORING & AUDIT SUMMARY REPORT**  
**FEBRUARY TO APRIL 2023**  
**REVISION 2**

**CLIENTS:**

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**CERTIFIED BY:**

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Environmental Team Leader

Derek Lo

**DATE:**

1 June 2023



Member of the Surbana Jurong Group

local people  
global experience

Our ref: 7076811/L29833/KL/TK/rw

5 June 2023

Drainage Services Department  
Sewage Services Branch  
Special Duty Division Group 3  
42/F Revenue Tower  
5 Gloucester Road  
Wan Chai, Hong Kong

By Email and Post  
(kschan04@dsd.gov.hk)

Attention: Mr Silas CHAN

Dear Sir

**Contract No. SD 7/2020  
Independent Environmental Checker ("IEC") for Environmental Monitoring Work for  
South Lantau Sewerage Works  
Verification of Quarterly EM&A Summary Report (February 2023 – April 2023)**

With reference to the Quarterly EM&A Summary Report (February 2023 – April 2023) Revision 2 certified by the ET Leader on 1 June 2023, please note that we have no adverse comments on the captioned. We hereby verify the captioned in accordance with Section 12.3 of the EM&A Manual (AEIAR-210/2017).

Should you have questions please do not hesitate to contact the undersigned at tel. 3995-8140 or by email to [kitty.lee@smec.com](mailto:kitty.lee@smec.com).

Yours faithfully

**Kitty LEE**  
Independent Environmental Checker

cc	Binnies	-	Mr Kevin CHAN	by email
	Lam	-	Ms Derek LO / Mr Raymond DAI	by email
	KLCW-JV	-	Mr Charles TSE	by email

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## TABLE OF CONTENTS

<b>1</b>	<b>INTRODUCTION.....</b>	<b>5</b>
1.1	Scope of the Report .....	5
1.2	Structure of the Report.....	5
<b>2.</b>	<b>BASIC PROJECT INFORMATION.....</b>	<b>7</b>
2.1	Project Organization and Key Contact Personnel .....	7
2.2	Construction Programme.....	7
<b>3.</b>	<b>A BRIEF SUMMARY OF EM&amp;A REQUIREMENTS.....</b>	<b>9</b>
3.1	Monitoring Parameters.....	9
3.2	Environmental Quality Performance Limits .....	9
<b>4.</b>	<b>IMPLEMENTATION STATUS.....</b>	<b>11</b>
4.1	Advice on the implementation status of environmental protection and pollution control/mitigation measures .....	11
4.2	Environmental Mitigation Measures.....	11
4.3	Environmental monitoring requirements and contractual requirements	11
<b>5.</b>	<b>MONITORING RESULTS ANALYSIS.....</b>	<b>13</b>
5.1	Noise Monitoring .....	13
5.2	Water Quality Monitoring .....	13
5.3	Ecological Impact Monitoring.....	14
5.4	Waste Management .....	14
<b>6.</b>	<b>COMPLAINTS, NOTIFICATION OF SUMMONS AND PROSECUTION.....</b>	<b>15</b>
<b>7.</b>	<b>COMMENTS AND RECOMMENDATIONS.....</b>	<b>17</b>
<b>8.</b>	<b>CONCLUSION .....</b>	<b>18</b>



## LIST OF TABLES

**Table 2.1** *Contact Details of Key Personnel*  
**Table 4.1** *Summary of submission status under EP-538/2017*  
**Table 4.2** *Summary of the current status on licences and/or permits on environmental protection pertinent to the Project*  
**Table 5.1** *Summary of Quantities of Waste Material (November, December 2022 and January 2023)*  
**Table 6.1** *Summary of Complaints*  
**Table 6.2** *Cumulative Statistics on Complaints*  
**Table 6.3** *Cumulative Statistics on Successful Prosecutions*  
**Table 7.1** *Construction Activities in Past 3 Months*

## LIST OF FIGURES

[Figure 2.1 Project Organization Chart](#)  
[Figure 2.2 Master Layout Plan](#)  
[Figure 5.1 Locations of Noise Monitoring Station](#)  
[Figure 5.2 Locations of Water Quality Monitoring Stations](#)

## LIST OF APPENDICES

[Appendix 5.1 Noise Monitoring Graphical Presentations](#)  
[Appendix 5.2 Marine Water Quality Monitoring Graphical and Summary of Exceedance Presentations](#)  
[Appendix 5.3 Quarterly Summary Waste Flow Table](#)





**EXECUTIVE SUMMARY**

i. This is the Quarterly Environmental Monitoring and Audit (EM&A) Summary Report – February to April 2023 of Outlying Islands Sewerage Stage 2 – South Lantau Sewerage Works under Environmental Permit no. EP-538/2017 (Hereafter as “the Project”). The construction works of the Project was commenced on 3 November 2021 and the tentative completion date is Q1 2026. The Quarterly EM&A Summary Report presents the environmental monitoring findings and information recorded during the period of 01 February to 30 April 2023.

ii. In the reporting period, the principal work activities conducted are as follow:

February 2023	March 2023	April 2023
<ul style="list-style-type: none"> <li>Excavation, sewer laying, construction of manhole at Pui O Lo Uk Tsuen, South Lantau road, Pui O Beach</li> <li>Excavation and site formation at San Shek Wan Sewage Treatment Works (SSWSTW) and Pui O Sewage Pumping Station (POSPS)</li> <li>Horizontal Directional Drilling (HDD) works at marine and SSWSTW</li> <li>Superstructure Reinforced Concrete (RC) Works</li> </ul>	<ul style="list-style-type: none"> <li>Excavation, sewer laying, construction of manhole at Pui O Lo Uk Tsuen, South Lantau road, Pui O Beach</li> <li>Excavation and site formation at San Shek Wan Sewage Treatment Works (SSWSTW) and Pui O Sewage Pumping Station (POSPS)</li> <li>Horizontal Directional Drilling (HDD) works at marine and SSWSTW</li> <li>Removal works of Excavation and Lateral Support (ELS)</li> <li>Superstructure Reinforced Concrete (RC) Works</li> </ul>	<ul style="list-style-type: none"> <li>Excavation, sewer laying, construction of manhole at Pui O Lo Uk Tsuen, South Lantau road, Pui O Beach</li> <li>Excavation and site formation at San Shek Wan Sewage Treatment Works (SSWSTW) and Pui O Sewage Pumping Station (POSPS)</li> <li>Horizontal Directional Drilling (HDD) works at marine and SSWSTW</li> <li>Removal works of Excavation and Lateral Support (ELS)</li> <li>Superstructure Reinforced Concrete (RC) Works</li> </ul>

Exceedances of Action/Limit Levels

Noise Monitoring

- iii. Noise monitoring was conducted at eight (8) noise monitoring stations (N12a, N12b, N13, N14, N15b, N16a, N16b and N17) once per week in the reporting period.
- iv. School examination was taken place at N17 – Bui O Public School from 27, 28 February and 1 March 2023 in the reporting period, the limit level shall be adjusted to 65dB(A) during this period.
- v. No action and limit level exceedances were recorded in construction noise level in the reporting period.

Water Quality Monitoring

- vi. Marine-based construction works commenced on 19 April 2022. Water quality monitoring was conducted at **nine (9)** monitoring stations (seven impact & two control stations) three days per week in the reporting period **starting from 12 April 2022. HDD casing works commenced on 30 May 2022.**
- vii. **Water quality monitoring on 22 and 27 Feb 2023, 27 March 2023, and 22 April 2023 was cancelled due to adverse weather. No substitution would be arranged for such cancellation since it is impossible to maintain the monitoring frequency as three times a week for the event of marine water quality monitoring cancellation in between time with respect to the fact that not less than 36 hours interval shall be followed for two monitoring days as required by the EM&A Manual Clause 5.1.6 (b) for the project.**
- viii. **In accordance with the action level and limit level in Baseline Monitoring Report Rev. 9.2 agreed by EPD on 2 September 2022, no action level and limit level exceedances were recorded in the reporting period.**

#### Ecological Impact Monitoring

- ix. **Transplanting works for plant species, *Aquilaris sinensis*, was completed on 26 April 2022. Maintenance works for trees in holding nursery have commenced.**
- x. **As per latest version of PTP, four tree found (1 no. of *Aquilaria sinensis* and 3 nos. of *Gmelina chinensis*) within the site of SSWSTW which are considered to be the plant species with conservative importance for temporarily transplanted to the nursery at Kam Tin and eventually be transplanted to Pui O Pumping Station.**
- xi. **The weekly site audit was carried out by ET include checking whether good site practices are being properly implemented by the Contractor.**
- xii. **The extent of the work site boundaries was checked by the ET during the weekly site audit.**

#### Complaint log

- xiii. **No environmental complaint regarding the construction works was recorded in the reporting period..**

#### Notifications of Any Summons and Successful Prosecutions

- xiv. **No environmental notification of any summons and successful prosecution regarding the construction works was recorded in present quarter.**

## 1 Introduction

### 1.1 Scope of the Report

1.1.1. Lam Environmental Services Limited (LES) has been appointed to work as the Environmental Team (ET) under Environmental Permit (EP) no. EP-538/2017 to implement the Environmental Monitoring and Audit (EM&A) programme as stipulated in the EM&A Manual of the approved Environmental Impact Assessment (EIA) Report for Outlying Islands Sewerage Stage 2 - South Lantau Sewerage Works (Register No.: AEIAR-210/2017).

1.1.2. The Quarterly EM&A Summary Report was prepared according to Section 12.3 of the Project EM&A Manual.

### 1.2 Structure of the Report

**Section 1** *Introduction* – details the scope and structure of the report

**Section 2** *Basic Project Information* – a synopsis of project organization, programme contacts of key management, and a synopsis of work undertaken in the reporting period.

**Section 3** *A Brief Summary of EM&A requirements* – including monitoring parameters, environmental quality performance limits (Action and Limit levels); and environmental mitigation measure, as recommended in the EIA Report.

**Section 4** *Implementation Status* – Advice on the implementation status of environmental protection and pollution control/mitigation measures, as recommended in the EIA Report and summarised in the updated implementation schedule.

**Section 5** *Monitoring Results Analysis* – the trends of the monitoring parameters in present quarter; advice on the solid and liquid waste management status.

**Section 6** *Summary of Non-Compliance (exceedances) of the environmental quality performance limits, Complaints, Notification of Summons and Successful Prosecutions*

A brief review of the reasons for and the implications of non-compliance and a summary description of the actions taken and any follow-up procedures related to earlier non-compliance.

A summary record of all complaints received (written or verbal) for each media,



liaison and consultation undertaken, actions and follow-up procedures taken;

A summary record of notifications of summons and successful prosecutions for breaches of the current environmental protection/pollution control legislations, including locations and nature of the breaches, investigation, follow-up actions taken and results.

**Section 7**      ***Comments and Recommendations*** – such as effectiveness and efficiency of the mitigation measures, improvement in the EM&A programme, if any.

**Section 8**      ***Conclusion and Project Proponent’s contacts and hotline telephone number for the public to make enquiries***

## 2. Basic Project Information

### 2.1 Project Organization and Key Contact Personnel

2.1.1 Drainage Services Department is the overall project controllers for the Project. For the construction phase of the Project, Contractor(s), Environmental Team and Independent Environmental Checker are appointed to manage and control environmental issues. Key personnel and contact particulars are summarised in [Figure 2.1](#) and [Table 2.1](#):

**Table 2.1 Contact Details of Key Personnel**

Party	Role	Post	Name	Contact No.	Contact Fax
Drainage Services Department (DSD)	The Engineer for the Contract	Engineer	Mr. Silas Chan	2594 7272	3104 6426
Binnies Hong Kong Limited	Engineer's Representative	Resident Engineer	Mr. Kevin Chan*	3529 3013	-
Kwan Lee – Chun Wo Joint Venture	Contractor	Site Agent	Mr. Charles Tse	9270 3384	2744 6937
		Environmental Officer	Ms. Shirley Kong	5162 5933	
SMEC Hong Kong	Independent Environmental Checker (IEC)	Independent Environmental Checker (IEC)	Ms. Kitty Lee	3995 8140	3995 8101
Lam Environmental Services Limited	Environmental Team (ET)	Environmental Team Leader (ETL)	Mr. Derek Lo	2882 3939	2882 3331

\*Engineer's Representative of Binnies change from Mr. Clayton Lei to Mr. Kevin Chan start from 1 March 2023.

### 2.2 Construction Programme

2.2.1 The proposed sewerage works will collect the sewage generated from the unsewered areas of Shui Hau, Tong Fuk, Cheung Sha, San Shek Wan, Pui O and Ham Tin in South Lantau (i.e. within the Project Catchment Area) and convey it to a proposed sewage treatment works at San Shek Wan for treatment and disposal into outer bay of Pui O/ Chi Ma Wan via a submarine outfall.



- 2.2.2 The entire Project are divided into three contracts. Contract No. DC/2020/20 (the Contract) would have the following implementations as demonstrated in [Figure 2.2](#).
- 2.2.3 The major components of the Project under Environmental Permit (EP) (EP No. EP-538/2017) comprises: (i) construction of sewage treatment works at San Shek Wan (SSWSTW) and associated submarine outfall; (ii) construction of sewage pumping station at Pui O (POSPS); (iii) village sewage works at Pui O; and (iv) trunk sewers and rising mains on carriageways.

### 3. A Brief Summary of EM&A Requirements

#### 3.1 Monitoring Parameters

##### Noise Monitoring

- 3.1.1 The construction noise level shall be measured in terms of the A-weighted equivalent continuous sound pressure level ( $L_{eq}$ ).  $L_{eq}$  (30min) should be used as the monitoring parameter. Supplementary information for data auditing, statistical results such as  $L_{10}$  and  $L_{90}$  shall also be obtained for reference.
- 3.1.2 For impact monitoring for construction of village sewers / rising main, noise monitoring should be undertaken on weekly basis. One set of  $L_{eq}$  (30min) noise level as six consecutive  $L_{eq}$  (5min) between 07:00-19:00 hours on normal weekdays.

##### Water Quality Monitoring

- 3.1.3 In construction phase, the levels of dissolved oxygen (DO), temperature, turbidity and salinity should be measured *in-situ* while suspended solids (SS) is determined by laboratory analysis.

##### Ecological Impact Monitoring

- 3.1.4 Monitoring in the form of regular site inspections should be carried out to ensure ecological measures in the form of tree transplantation and establishment are being implemented and effective for plant species of conservation importance (e.g. *Aquilaria sinensis*).

#### 3.2 Environmental Quality Performance Limits

##### Noise Monitoring

- 3.2.1 No action and limit level exceedances were recorded in construction noise level in the reporting period.

##### Water Quality Monitoring

- 3.2.2 Marine-based construction works had been commenced since 19 April 2022, marine water quality monitoring was initialised since 12 April 2022.
- 3.2.3 To support water quality monitoring, the silt curtain deployment plan has minor updates to include an additional brand of geosynthetic material as alternative for selection and adopt underwater robot for inspecting condition of silt curtain.
- 3.2.4 Water quality monitoring on 22 and 27 Feb 2023, 27 March 2023, and 22 April 2023 was cancelled due to adverse weather. No substitution would be arranged for such cancellation since it is impossible to maintain the monitoring frequency as three times a week for the event of marine water quality monitoring cancellation in between time with respect to the fact that not less than 36 hours interval shall be followed for two monitoring days as required by the EM&A Manual Clause 5.1.6 (b) for the project.

3.2.5 Water quality monitoring is evaluated against Action and Limit Levels. The derived Action and Limit Level proposed in Baseline Monitoring Report Rev. 9.2 was agreed by EPD on 2 September 2022. Action and Limit Levels of marine water quality monitoring have been set with reference to the derived criteria as shown in **Table 3.1** below.

**Table 3.1 Action and Limit Levels of Water Quality**

Parameters	Action Level	Limit Level
<i>Construction Phase Marine Water Monitoring - derived criteria</i>		
DO in mg/L <sup>B</sup>	Surface and Middle: 5.8 mg/L Bottom: 5.9 mg/L	Surface and Middle: 4 mg/L Bottom: 2 mg/L
Turbidity in NTU (Depth-averaged A) <sup>C</sup>	14.4 NTU <u>and</u> 20% exceedance of value at any impact station compared with corresponding data from control station <sup>D</sup>	23.5 NTU <u>and</u> 30% exceedance of value at any impact station compared with corresponding data from control station <sup>D</sup>
SS in mg/L (Depth-averaged A) <sup>C</sup>	13.1 mg/L <u>and</u> 20% exceedance of value at any impact station compared with corresponding data from control station <sup>D</sup>	30.4 mg/L <u>and</u> 30% exceedance of value at any impact station compared with corresponding data from control station <sup>D</sup>

Notes (with proposed amendments in AL/LL in underlined text):

A. "Depth-averaged" is calculated by taking the arithmetic means of reading of all three depths.

B. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.

C. For SS and turbidity, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.

D. Action Level and Limit Level with 95%-ile / 99%-ile derived from baseline data "and" 20% / 30% exceedance of control station proposed in Baseline Monitoring Report.

3.2.6 In accordance with the action level and limit level in Baseline Monitoring Report Rev. 9.2 agreed by EPD on 2 September 2022, no action level and limit level exceedances were recorded in the reporting period.

Ecological monitoring

3.2.7 Transplanting works for plant species, *Aquilaris sinensis*, was completed on 26 April 2022. Maintenance works for trees in holding nursery have commenced.

3.2.8 Monitoring of maintenance works for the transplanted plant species was conducted at the holding nursery while in the reporting period.

3.2.9 As per latest version of PTP, four tree found (1 no. of *Aquilaria sinensis* and 3 nos. of *Gmelina chinensis*) within the site of SSWSTW which are considered to be the plant species with conservative importance for temporarily transplanted to the nursery at Kam Tin and eventually be transplanted to Pui O Pumping Station.



#### 4. Implementation Status

##### 4.1 Advice on the implementation status of environmental protection and pollution control/mitigation measures

4.1.1 Mitigation measures according to the environmental mitigation implementation schedule in Annex A of EM&A Manual were generally implemented by the Contractor. Hence, the EM&A programme was considered effective and shall be maintained.

##### 4.2 Environmental Mitigation Measures

4.2.1 Environmental mitigation measures mentioned the EIA Report were weekly reviewed and recorded in Weekly Environmental Site Audit Checklist. Also, a summary of the submission status of the reporting quarter on submissions and measures mentioned in Environmental Permit (EP-538/2017) are shown in **Table 4.1**.

**Table 4.1 Summary of submission status under EP-538/2017**

EP Condition	Submission	Date of Latest Submission to EPD^ / EPD Approval#
Condition 2.10	Waste Management Plan (Rev. 5) (electronic copy)	4 April 2022 <sup>#</sup>
Condition 2.11	Submission of Preservation and/or Transplantation Plan for Plant Species of Conservation Importance (Rev. 23)	9 September 2022 <sup>#</sup>
Condition 2.12	Submission of Compensatory Woodland Planting Plan (Rev. 19)	8 February 2023 <sup>^</sup>
Condition 2.13	Silt Curtain Deployment Plan (Rev. 11)	1 June 2022 <sup>#</sup>
Condition 2.14	Landscape Mitigation Plan	To be confirmed
Condition 2.15	Construction Noise Mitigation Plan (Rev. 20)	4 August 2022 <sup>#</sup>

##### 4.3 Environmental monitoring requirements and contractual requirements

4.3.1 A summary of the submission status for the reporting period on licences and/or permits on environmental protection pertinent to the Project is shown in **Table 4.2**.

**Table 4.2 Summary of the current status on licences and/or permits on environmental protection pertinent to the Project**



Permits and/or Licences	Permit. No. / Account No.	Issued Date	Valid Period & Expiry Date	Status
Notification of Works Under APCO	466408	14 Apr 2021	N/A	Valid
Wastewater Discharge Licence under <i>Water Pollution Control Ordinance</i>	SSWSTW: WT00039636-2021	30 Dec 2021	30-12-2021 to 31-12-2026	Valid
	POPS: WT00039820-2021	31 Dec 2021	31-12-2021 to 31-12-2026	Valid
	SSWSTW: Gravity Sewer & Raising Main: WT00042613-2022	09 Jan 2023	09-01-2023 to 31-01-2028	Valid
Billing account under Waste Disposal Ordinance	Account No.: 7040411	05 May 2021	N/A	Valid
Registration as a Chemical Waste Producer	0000-931-K3428-01	13 May 2021	N/A	Valid
Construction Noise Permit under Noise Control Ordinance for SSWSTW	GW-RS0642-22	3 Aug 2022	05-08-2022 to 02-02-2023	Valid
	GW-RS0039-23	20 Jan 2023	03-02-2023 to 02-08-2023	Valid
Construction Noise Permit under Noise Control Ordinance for POSPS	GW-RS0840-22	3 Oct 2022	05-10-2022 to 26-03-2023	Valid
	GW-RS0230-23	7 Mar 2023	27-03-2023 to 26-09-2023	Valid

Note: Only include those valid or under application; fill in "N/A" for non-applicable item(s).

## **5. Monitoring Results Analysis**

### **5.1 Noise Monitoring**

- 5.1.1 Noise monitoring was conducted at eight (8) noise monitoring stations (*N12a, N12b, N13, N14, N15b, N16a, N16b and N17*) once per week in the reporting period.
- 5.1.2 School examination was taken place at N17 – Bui O Public School on 27, 28 February and 1 March 2023 in the reporting period, the limit level shall be adjusted to 65dB(A) during this period.
- 5.1.3 Noise monitoring location plans with sensitive receivers are shown in [Figure 5.1](#).
- 5.1.4 Noise monitoring results measured in the reporting period were reviewed and summarised. Noise monitoring graphical presentation can be referred to [Appendix 5.1](#).
- 5.1.5 No action and limit level exceedances were recorded in construction noise level in the reporting period.

### **5.2 Marine Water Quality Monitoring**

- 5.2.1 Marine Water quality monitoring involves **nine (9)** monitoring stations (seven impact & two control stations) three days per week in the reporting period **starting from 12 April 2022**.
- 5.2.2 Marine Water monitoring location plans with sensitive receivers are shown in [Figure 5.2](#).
- 5.2.3 Water quality monitoring is evaluated against Action and Limit Levels. The derived Action and Limit Level proposed in Baseline Monitoring Report Rev. 9.2 was agreed by EPD on 2 September 2022.
- 5.2.4 Water quality monitoring on 22 and 27 Feb 2023, 27 March 2023, and 22 April 2023 was cancelled due to adverse weather. No substitution would be arranged for such cancellation since it is impossible to maintain the monitoring frequency as three times a week for the event of marine water quality monitoring cancellation in between time with respect to the fact that not less than 36 hours interval shall be followed for two monitoring days as required by the EM&A Manual Clause 5.1.6 (b) for the project.
- 5.2.5 Marine water quality monitoring results measured in this reporting period are reviewed and summarized. Details of marine water quality monitoring graphical presentation and the summary of exceedance of action and /limit levels of WQM can be referred to [Appendix 5.2](#).

### **5.3 Ecological Impact Monitoring**

- 5.3.1 Transplanting of the trees of *Aquilaris sinensis* was completed on 26 April 2022. Maintenance works for trees in holding nursery have commenced.

5.3.2 Monitoring of maintenance works for the transplanted plant species was conducted at the holding nursery while in the reporting period.

5.3.3 As per latest version of PTP, four tree found (1 no. of *Aquilaria sinensis* and 3 nos. of *Gmelina chinensis*) within the site of SSWSTW which are considered to be the plant species with conservative importance for temporarily transplanted to the nursery at Kam Tin and eventually be transplanted to Pui O Pumping Station.

#### 5.4 Waste Management

5.4.1 The quantities of waste for disposal in present quarter are summarized in **Table 5.1**. The Quarterly Summary Waste Flow Table is shown in [Appendix 5.3](#).

**Table 5.1 Summary of Quantities of Waste Material (February, March and April 2023)**

Waste Type	Quantity for reporting quarter	Cumulative Quantity-to-Date
Hard Rock and Large Broken Concrete (Inert) (in '000m <sup>3</sup> )	0	0
Reused in this Contract (Inert) (in '000m <sup>3</sup> )	0	0
Reused in other Projects (Inert) (in '000m <sup>3</sup> )	0	0
Disposal as Public Fill (Inert) (in '000m <sup>3</sup> )	0.46641	9.65683
Metals (in '000kg)	0.00390	7.50150
Paper / Cardboard Packing (in '000kg)	0.01930	0.30928
Plastics (in '000kg)	0.00210	0.03186
Chemical Wastes (in '000kg)	0	0
General Refuses (in '000kg)	38.17	468.20

\*: Further breakdown into sub-group if considered applicable;

**6. Complaints, Notification of Summons and Prosecution**

6.1.1 No environmental complaint, notification of summons and successful prosecution regarding construction works was recorded in the reporting period. **Table 6.1** summarized the complaints from project commencement till now.

**Table 6.1 Summary of Complaints**

Date of Notification from EPD	Date of Complaint	Description of Complaint	Validity of Complaint	Close-Out Date / Status
26 May 2022	22 May 2022	A complaint is regarding noise nuisance from marine site of San Shek Wan, Lantau Island.	Based on the investigation, the works activities of marine works did not result in any noise nuisance to Noise Sensitive Receivers (NSRs), noise nuisance from the Project is unlikely to be valid.	The interim report was submitted to EPD in June 2022. EPD replied no further comments on the final investigation report on 13 July 2022.
23 Dec 2022	21 Dec 2022	A complaint is regarding to the water quality for Pui O Beach, Lantau Island.	Based on the investigation, the works activities at POPS did not result in any water quality impacts to the Pui O Beach.	The interim report was submitted to EPD on 4 Jan 2023.

6.1.2 No notification of summons and successful prosecution regarding construction works were recorded in the reporting period.

6.1.3 Cumulative statistic on complaints and successful prosecutions are summarized in **Table 6.2** and **Table 6.3** respectively.

**Table 6.2 Cumulative Statistics on Complaints**

Reporting Period	No. of Complaints
February to April 2023	0
Project commencement to the end of last reporting quarter	2
<b>Total</b>	<b>2</b>

**Table 6.3 Cumulative Statistics on Successful Prosecutions**



<b>Environmental Parameters</b>	<b>Cumulative No. Brought Forward</b>	<b>No. of Successful Prosecutions this month (Offence Date)</b>	<b>Cumulative No. Project-to-Date</b>
Air	-	0	0
Noise	-	0	0
Water	-	0	0
Waste	-	0	0
Other	-	0	0
<b>Total</b>	<b>-</b>	<b>0</b>	<b>0</b>

## 7. Comments and Recommendations

7.1.1 In the reporting period, the principal work activities conducted are as follow.

**Table 7.1 Construction Activities in Past 3 Months**

February 2023	March 2023	April 2023
<ul style="list-style-type: none"> <li>Excavation, sewer laying, construction of manhole at Pui O Lo Uk Tsuen, South Lantau road, Pui O Beach</li> <li>Excavation and site formation at San Shek Wan Sewage Treatment Works (SSWSTW) and Pui O Sewage Pumping Station (POSPS)</li> <li>Horizontal Directional Drilling (HDD) works at marine and SSWSTW</li> <li>Superstructure Reinforced Concrete (RC) Works</li> </ul>	<ul style="list-style-type: none"> <li>Excavation, sewer laying, construction of manhole at Pui O Lo Uk Tsuen, South Lantau road, Pui O Beach</li> <li>Excavation and site formation at San Shek Wan Sewage Treatment Works (SSWSTW) and Pui O Sewage Pumping Station (POSPS)</li> <li>Horizontal Directional Drilling (HDD) works at marine and SSWSTW</li> <li>Removal works of Excavation and Lateral Support (ELS)</li> <li>Superstructure Reinforced Concrete (RC) Works</li> </ul>	<ul style="list-style-type: none"> <li>Excavation, sewer laying, construction of manhole at Pui O Lo Uk Tsuen, South Lantau road, Pui O Beach</li> <li>Excavation and site formation at San Shek Wan Sewage Treatment Works (SSWSTW) and Pui O Sewage Pumping Station (POSPS)</li> <li>Horizontal Directional Drilling (HDD) works at marine and SSWSTW</li> <li>Removal works of Excavation and Lateral Support (ELS)</li> <li>Superstructure Reinforced Concrete (RC) Works</li> </ul>

7.1.2 The recommended mitigation measures for the past 3 months are listed below:

- Provide caring measures for the health, form and structural conditions for transplant trees including *Aquilaris sinensis* in holding nursery;
- Fully implement tree preservation works on site and holding nursery to ensure compliance of relevant legislation and guidelines stated in EM&A Manual.
- Implementation of noise pollution control in accordance with Construction Noise Mitigation Plan;
- Dust control during dust generating works;
- Adopt surface drainage and sediment control facilities for sewage installation in village and public roads;
- Adopt temporary drainage and sediment control facilities on Site;
- Vehicle wheel-washing and body washing facilities should be provided at the site entrance;
- Regular water spraying on drilling and excavation works for dust control; and
- Proper waste handling, recycling and storage.
- To inspect the condition of silt curtains on regular basis, and after adverse weather including any rainstorms and typhoons in wet season.

The implemented mitigation measures are considered effective.



## **8. Conclusion**

### **8.1 Noise Monitoring.**

- 8.1.1 Noise monitoring was conducted at eight (8) noise monitoring stations (N12a, N12b, N13, N14, N15b, N16a, N16b and N17) once per week in the reporting period.
- 8.1.2 No action or limit level exceedance was recorded in construction noise level in this present quarter.

### **8.2 Water Quality Monitoring**

- 8.2.1 Marine-based construction works commenced on 19 April 2022, water quality monitoring was commenced on 12 April 2022.
- 8.2.2 Water quality monitoring on 22 and 27 Feb 2023, 27 March 2023, and 22 April 2023 was cancelled due to adverse weather.
- 8.2.3 Water quality monitoring is evaluated against Action and Limit Levels. The derived Action and Limit Level proposed in Baseline Monitoring Report Rev. 9.2 was agreed by EPD on 2 September 2022. No action and limit level exceedances were recorded in the reporting period.

### **8.3 Ecological Impact Monitoring**

- 8.3.1 Transplanting works for plant species, *Aquilaris sinensis*, was completed on 26 April 2022. Maintenance works for trees in holding nursery have commenced.
- 8.3.2 Monitoring of maintenance works for the transplanted plant species was conducted at the holding nursery while in the reporting period.
- 8.3.3 As per latest version of PTP, four tree found (1 no. of *Aquilaria sinensis* and 3 nos. of *Gmelina chinensis*) within the site of SSWSTW which are considered to be the plant species with conservative importance for temporarily transplanted to the nursery at Kam Tin and eventually be transplanted to Pui O Pumping Station.

### **8.4 Review of the Reasons for and the Implications of Non-compliance**

- 8.4.1 No environmental non-compliance was recorded in present quarter.

### **8.5 Summary of action taken in the event of and follow-up on non-compliance**

- 8.5.1 There was no particular action taken since no non-compliance was recorded in present quarter.



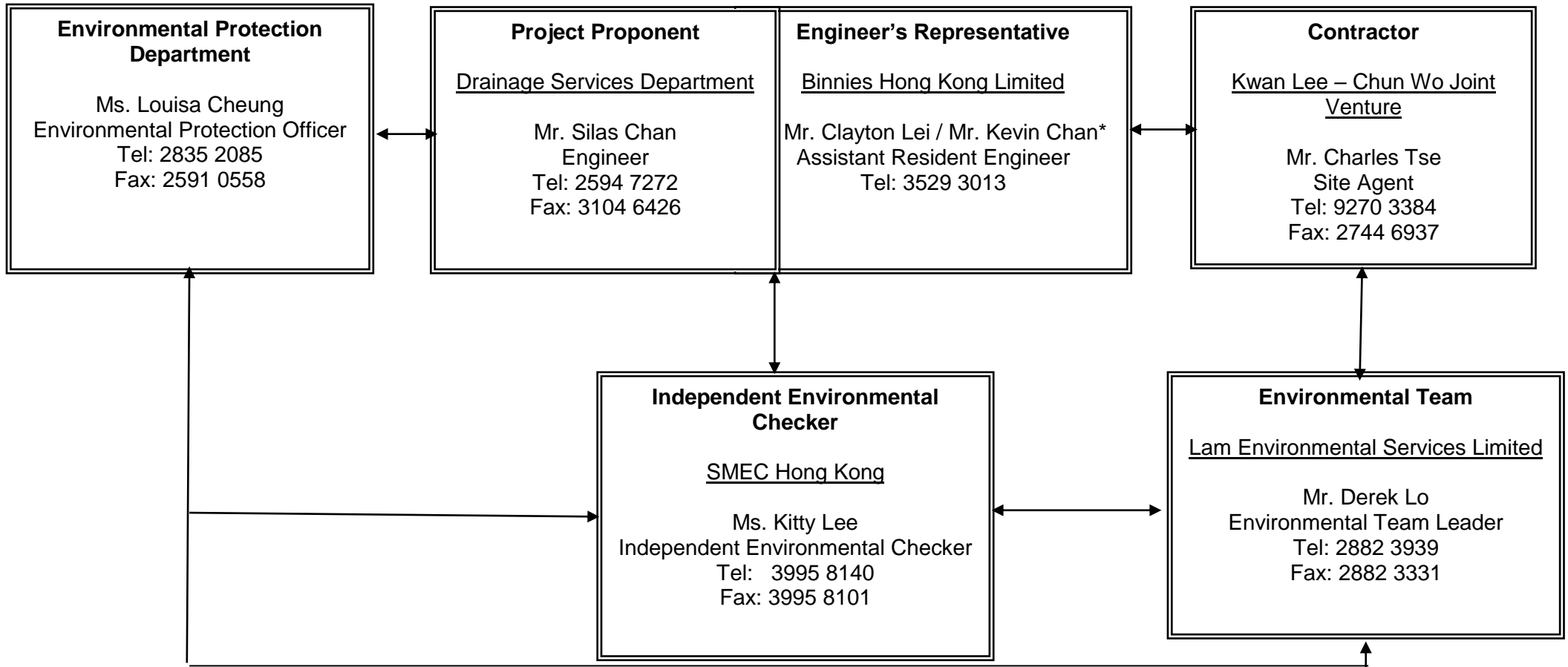


***Figure 2.1***

***Project Organisation Chart***



### Project Organization Chart



\*Engineer's Representative of Binnies change from Mr. Clayton Lei to Mr. Kevin Chan start from 1 March 2023.

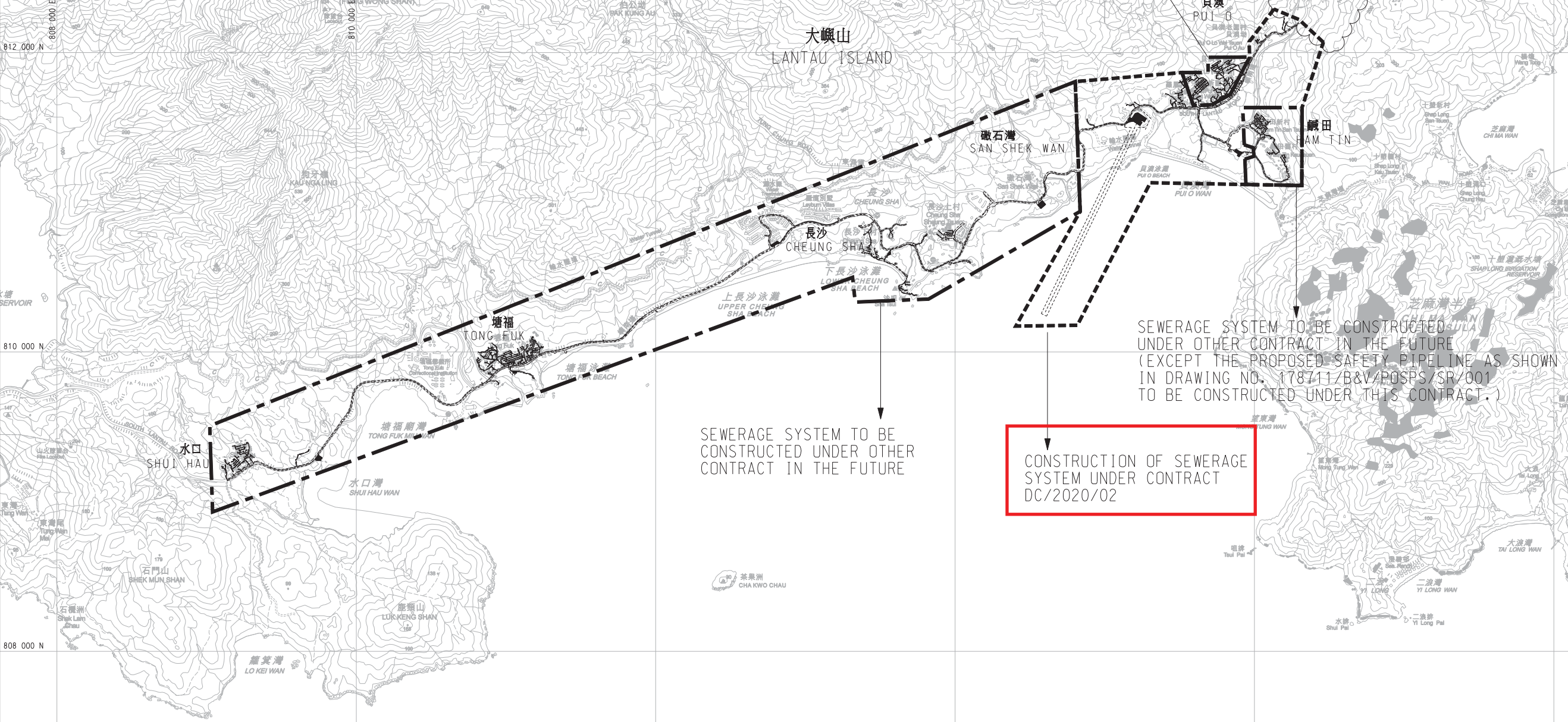
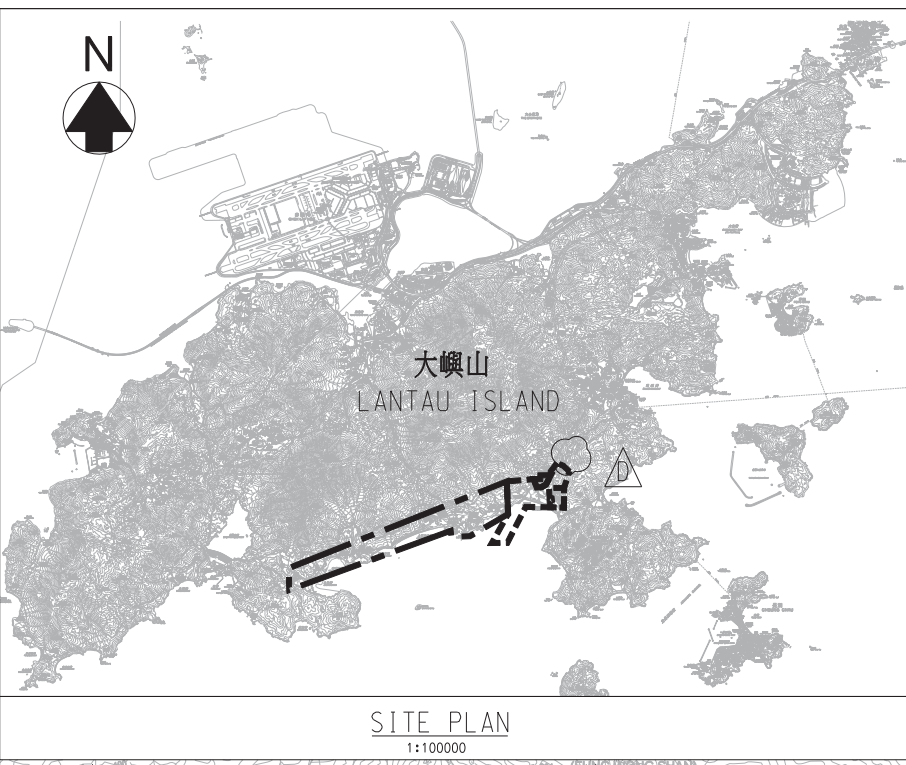
Figure 2.1



***Figure 2.2***

***Master Layout Plan***





Revision	Date	Description	Initial
D	11/20	TENDER ADDENDUM NO.6	BL
C	11/20	TENDER ADDENDUM NO.5	BL
B	11/20	TENDER ADDENDUM NO.4	BL
A	09/20	TENDER ADDENDUM NO.2	TFL
Initial	Designed	Checked	Drawn
	TFL	BL	SZ
Date	04/20	04/20	04/20

Approved: *Christina*

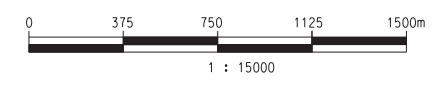
Contract no. DC/2020/02

Contract title  
CONSTRUCTION OF SAN SHEK WAN SEWAGE TREATMENT WORKS, ASSOCIATED SUBMARINE OUTFALL AND PUI O SEWERAGE WORKS

Drawing title  
SOUTH LANTAU SEWERAGE WORKS - MASTER LAYOUT PLAN

Drawing no.	Revision
178711/B&V/GN/001	D

Scale 1 : 15000















***Figure 5.1***

***Locations of Noise Monitoring Station***

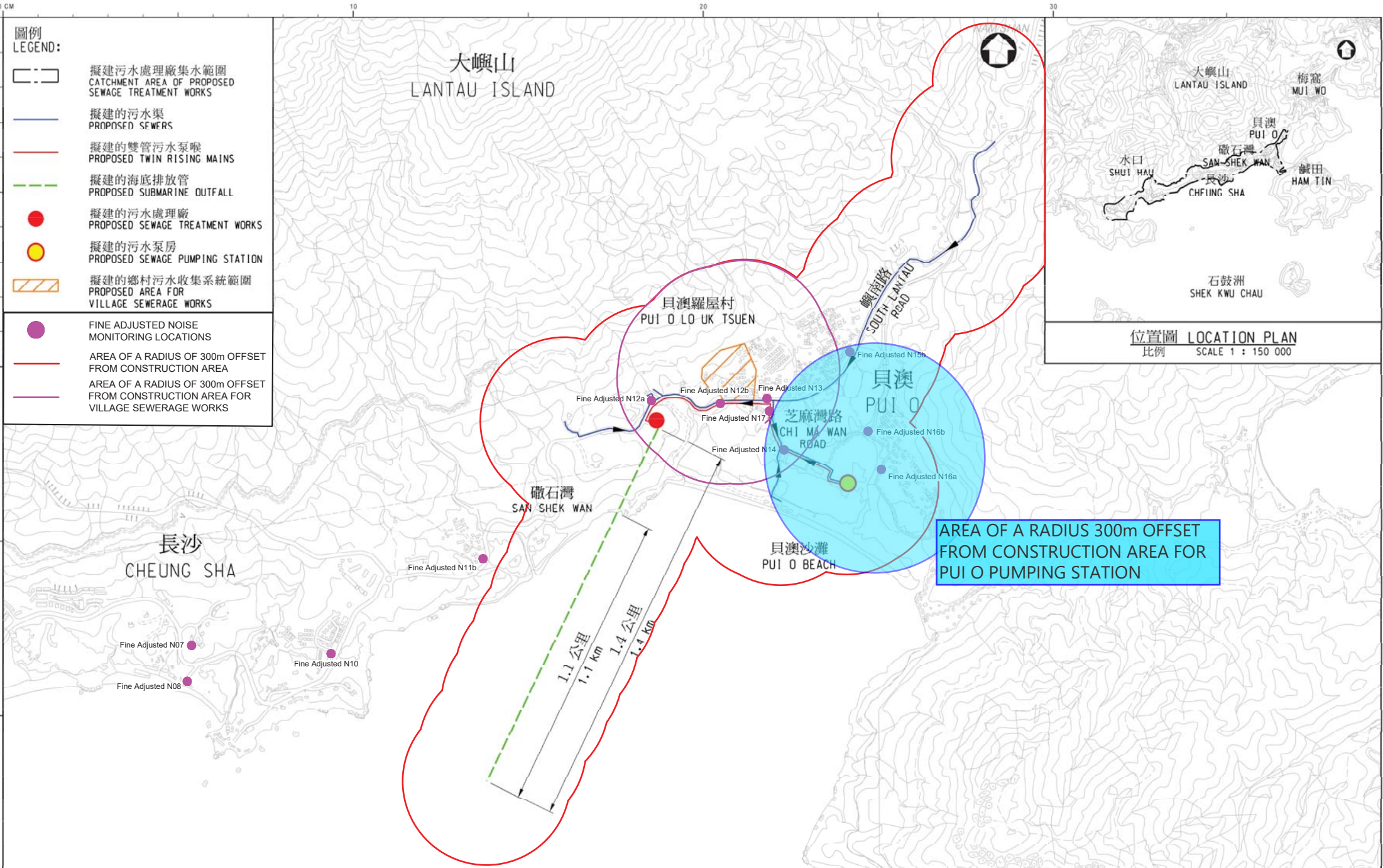
**圖例 LEGEND:**

-  擬建污水處理廠集水範圍  
CATCHMENT AREA OF PROPOSED SEWAGE TREATMENT WORKS
-  擬建的污水渠  
PROPOSED SEWERS
-  擬建的雙管污水泵喉  
PROPOSED TWIN RISING MAINS
-  擬建的海底排放管  
PROPOSED SUBMARINE OUTFALL
-  擬建的污水處理廠  
PROPOSED SEWAGE TREATMENT WORKS
-  擬建的污水泵房  
PROPOSED SEWAGE PUMPING STATION
-  擬建的鄉村污水收集系統範圍  
PROPOSED AREA FOR VILLAGE SEWERAGE WORKS

-  FINE ADJUSTED NOISE MONITORING LOCATIONS
-  AREA OF A RADIUS OF 300m OFFSET FROM CONSTRUCTION AREA
-  AREA OF A RADIUS OF 300m OFFSET FROM CONSTRUCTION AREA FOR VILLAGE SEWERAGE WORKS

**位置圖 LOCATION PLAN**  
比例 SCALE 1 : 150 000



AREA OF A RADIUS 300m OFFSET FROM CONSTRUCTION AREA FOR PUI O PUMPING STATION

1.1 公里  
1.1 km

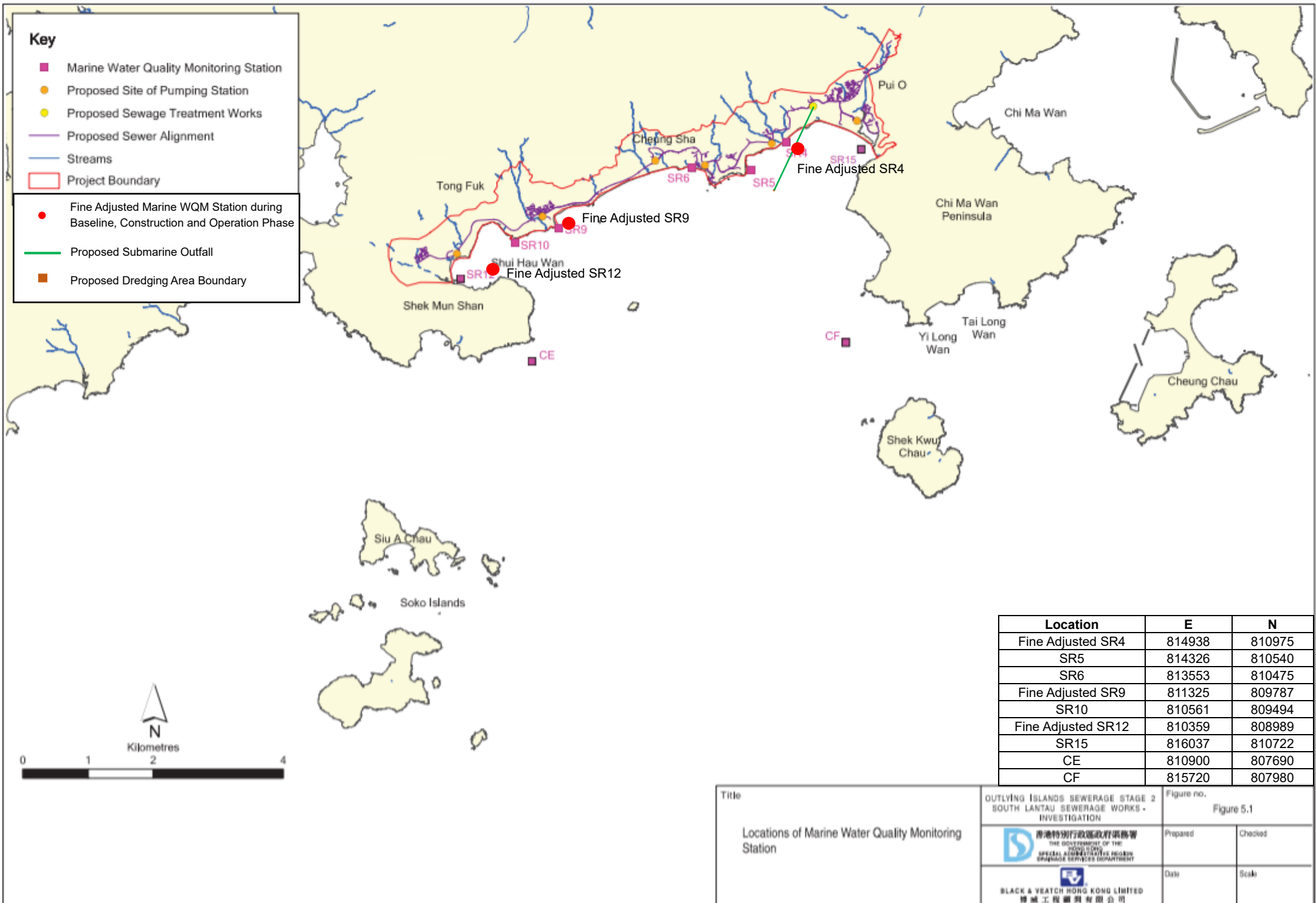
1.4 公里  
1.4 km

1.4 公里  
1.4 km



***Figure 5.2***

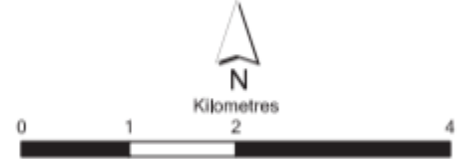
***Locations of Water Quality Monitoring Stations***



**Key**

- Marine Water Quality Monitoring Station
- Proposed Site of Pumping Station
- Proposed Sewage Treatment Works
- Proposed Sewer Alignment
- Streams
- Project Boundary
- Fine Adjusted Marine WQM Station during Baseline, Construction and Operation Phase
- Proposed Submarine Outfall
- Proposed Dredging Area Boundary

Location	E	N
Fine Adjusted SR4	814938	810975
SR5	814326	810540
SR6	813553	810475
Fine Adjusted SR9	811325	809787
SR10	810561	809494
Fine Adjusted SR12	810359	808989
SR15	816037	810722
CE	810900	807690
CF	815720	807980



Title  Locations of Marine Water Quality Monitoring Station	OUTLYING ISLANDS SEWERAGE STAGE 2 SOUTH LANTAU SEWERAGE WORKS - INVESTIGATION		Figure no. Figure 5.1	
			Prepared	Checked
			Date	Scale

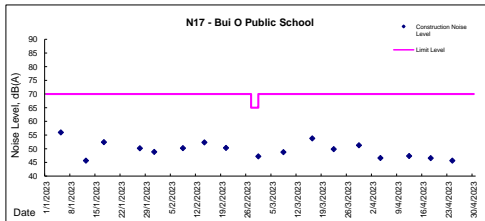
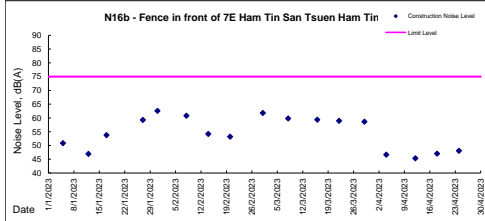
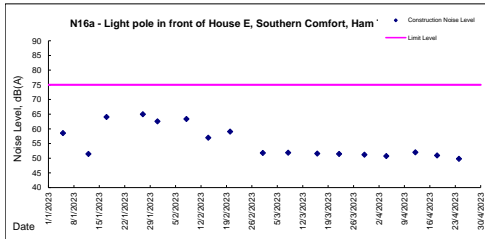
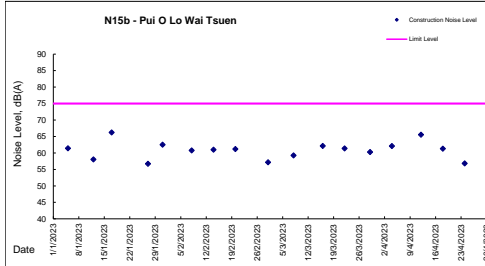
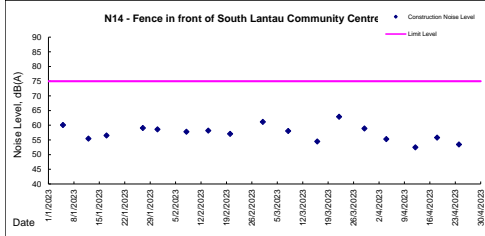
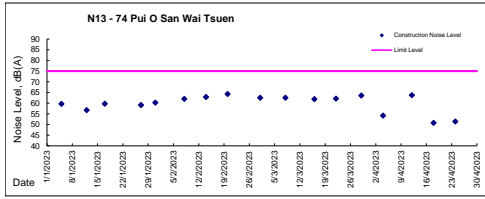
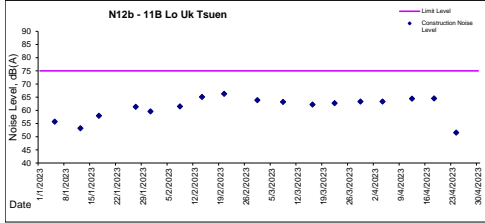
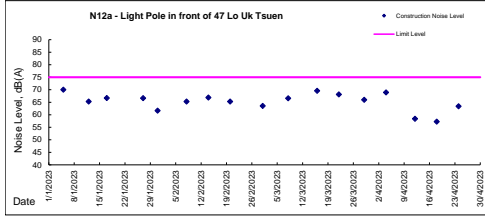




***Appendix 5.1***

***Noise Monitoring Graphical Presentations***

Graphic Presentation of Noise Monitoring Result  
Day Time (0700 - 1900hrs on normal weekdays)





**Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**

Location: N12a - Light Pole in front of 47 Lo Uk Tsuen

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construction Noise Source(s)*	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
8 Feb 2023	Cloudy	0.3	94.1	14:15	62.6	66.7	69.8	65.3	73.3	<Baseline Level	75	N/A	Traffic
				14:20	67.2	71.3	54.4						
				14:25	65.6	69.7	52.8						
				14:30	65.5	69.6	52.7						
				14:35	65.7	69.8	52.8						
				14:40	63.8	67.9	51.1						
14 Feb 2023	Cloudy	0.2	94.1	14:15	68.9	72.9	55.7	66.9	73.3	<Baseline Level	75	N/A	Traffic
				14:20	71.2	75.1	56.8						
				14:25	58.9	61.2	47.8						
				14:30	63.5	67.8	54.3						
				14:35	66.9	69.9	55.6						
				14:40	57.8	60.9	53.2						
20 Feb 2023	Sunny	0.0	94.1	14:15	63.9	47.6	52.5	65.3	73.3	<Baseline Level	75	N/A	Traffic
				14:20	68.7	72.4	58.3						
				14:25	66.3	70.0	55.9						
				14:30	62.1	65.8	51.4						
				14:35	62.2	65.8	51.6						
				14:40	64.4	68.1	54.0						

\* N/A refers to no major construction noise observed during noise monitoring



**Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**

Location: N12b - 11B Lo Uk Tsuen

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construction Noise Source(s)*	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
8 Feb 2023	Cloudy	0.2	94.1	13:40	63.3	66.9	55.7	61.5	76.8	<Baseline Level	75	N/A	Traffic
				13:45	61.7	65.3	54.1						
				13:50	62.8	66.4	55.2						
				13:55	60.5	64.1	52.9						
				14:00	60.9	64.5	53.3						
				14:05	57.9	60.5	53.7						
14 Feb 2023	Cloudy	0.1	94.1	13:40	65.4	69.3	57.0	65.1	76.8	<Baseline Level	75	N/A	Traffic
				13:45	66.7	70.6	59.6						
				13:50	63.9	65.8	53.8						
				13:55	64.7	68.9	55.6						
				14:00	63.2	66.0	52.1						
				14:05	65.6	67.3	54.4						
20 Feb 2023	Sunny	0.0	94.1	13:40	60.8	64.6	53.4	66.3	76.8	<Baseline Level	75	N/A	Traffic
				13:45	54.0	57.8	46.6						
				13:50	69.6	73.4	62.2						
				13:55	68.1	71.9	60.7						
				14:00	59.5	63.3	52.1						
				14:05	69.0	72.8	61.6						

\* N/A refers to no major construction noise observed during noise monitoring



**Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**

Location: N13 - 74 Pui O San Wai Tsuen

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construction Noise Source(s)*	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
8 Feb 2023	Cloudy	0.5	94.1	11:30	63.7	68.6	54.1	62.0	73.6	<Baseline Level	75	N/A	Traffic
				11:35	59.0	63.9	49.4						
				11:40	61.0	65.9	51.4						
				11:45	65.4	69.9	55.4						
				11:50	56.6	61.5	47.0						
				11:55	60.5	65.4	50.9						
14 Feb 2023	Cloudy	0.1	94.1	11:30	63.0	67.8	52.5	62.9	73.6	<Baseline Level	75	N/A	Traffic
				11:35	54.5	56.4	52.6						
				11:40	64.3	68.5	52.7						
				11:45	58.9	62.8	52.9						
				11:50	66.3	68.9	53.4						
				11:55	62.1	65.7	52.3						
20 Feb 2023	Sunny	0.3	94.1	11:30	61.9	63.1	68.4	64.3	73.6	<Baseline Level	75	N/A	Traffic
				11:35	68.9	70.4	75.6						
				11:40	67.2	68.5	73.8						
				11:45	55.9	57.0	62.3						
				11:50	59.5	59.6	64.0						
				11:55	54.5	55.6	60.9						

\* N/A refers to no major construction noise observed during noise monitoring



**Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**

Location: N14 - South Lantau Community Centre

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construction Noise	Other Noise Source(s)
					Leq	L10	L90	Leq	Leq	Leq	Leq		
					Unit: dB(A), (5-min)			Unit: dB(A), (30-min)					
8 Feb 2023	Cloudy	0.0	94.1	10:55	57.5	61.1	42.1	57.8	62.2	<Baseline Level	75	N/A	Traffic
				11:00	57.3	60.9	41.9						
				11:05	55.9	59.5	40.5						
				11:10	54.3	57.9	39.1						
				11:15	58.5	62.1	40.1						
				11:20	60.6	64.2	45.2						
14 Feb 2023	Cloudy	0.0	94.1	10:55	62.4	65.1	47.5	58.2	62.2	<Baseline Level	75	N/A	Traffic
				11:00	50.6	54.5	43.5						
				11:05	59.5	53.6	40.6						
				11:10	54.8	58.8	44.3						
				11:15	50.7	54.5	43.2						
				11:20	59.0	63.7	47.1						
20 Feb 2023	Sunny	0.0	94.1	10:55	56.3	60.5	41.5	57.1	62.2	<Baseline Level	75	N/A	Traffic
				11:00	55.0	59.2	40.2						
				11:05	48.7	52.9	38.9						
				11:10	57.4	61.6	42.6						
				11:15	58.2	62.4	43.4						
				11:20	60.1	64.3	45.3						

\* N/A refers to no major construction noise observed during noise monitoring



**Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**

Location: N15b - Pole in front of 7A Pui O Lo Wai Tsuen

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Limit Level	Major Construction Noise Source(s)*	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
8 Feb 2023	Cloudy	0.6	94.1	15:00	50.8	54.0	40.6	60.8	70.7	<Baseline Level	75	N/A	Traffic
				15:05	53.1	56.3	43.9						
				15:10	60.4	63.6	50.2						
				15:15	62.4	65.6	52.2						
				15:20	64.0	68.2	54.9						
				15:25	62.1	64.3	50.9						
14 Feb 2023	Cloudy	0.3	94.1	15:00	58.7	61.9	48.6	61.0	70.7	<Baseline Level	75	N/A	Traffic
				15:05	63.2	66.2	49.3						
				15:10	65.4	68.3	50.2						
				15:15	52.6	54.9	46.7						
				15:20	56.9	60.0	48.5						
				15:25	57.8	60.7	48.9						
20 Feb 2023	Sunny	0.5	94.1	15:00	61.3	64.1	46.1	61.2	70.7	<Baseline Level	75	N/A	Traffic
				15:05	60.2	63.0	45.1						
				15:10	64.9	67.7	49.6						
				15:15	58.5	61.3	43.3						
				15:20	58.0	60.9	42.8						
				15:25	60.0	62.8	44.8						

\* N/A refers to no major construction noise observed during noise monitoring



**Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**

Location: N16a - Light pole in front of House E, Southern Comfort, Ham Tin

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construction Noise Source(s)*	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
8 Feb 2023	Cloudy	0.0	94.1	9:45	67.4	70.2	50.7	63.4	68.1	<Baseline Level	75	N/A	Traffic
				9:50	56.7	59.5	40.0						
				9:55	60.0	62.8	43.3						
				10:00	60.3	63.1	43.6						
				10:05	66.9	69.7	50.2						
				10:10	54.7	57.5	40.8						
14 Feb 2023	Cloudy	0.0	94.1	9:45	54.8	56.8	39.5	57.0	68.1	<Baseline Level	75	N/A	Traffic
				9:50	52.4	57.4	39.2						
				9:55	57.9	58.5	38.1						
				10:00	56.9	60.8	38.0						
				10:05	55.5	59.7	39.8						
				10:10	60.3	65.8	42.1						
20 Feb 2023	Sunny	0.0	94.1	9:45	56.1	61.6	40.6	59.1	68.1	<Baseline Level	75	N/A	Traffic
				9:50	61.0	66.5	45.5						
				9:55	61.4	66.9	45.8						
				10:00	60.0	65.5	44.6						
				10:05	57.4	62.9	41.2						
				10:10	55.2	60.7	40.7						

\* N/A refers to no major construction noise observed during noise monitoring





**Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**

Location: N16b - Fence in front of 7E Ham Tin San Tsuen, Ham Tin

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construction Noise	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)			Unit: dB(A), (30-min)					
8 Feb 2023	Cloudy	0.6	94.1	10:20	57.3	60.6	48.2	60.8	68.5	<Baseline Level	75	N/A	Traffic
				10:25	57.6	60.9	48.5						
				10:30	58.2	61.5	49.1						
				10:35	59.7	63.0	50.6						
				10:40	66.3	69.6	57.2						
			10:45	54.1	57.4	45.0							
14 Feb 2023	Cloudy	0.3	94.1	10:20	56.9	60.3	47.8	54.2	68.5	<Baseline Level	75	N/A	Traffic
				10:25	51.3	54.1	45.5						
				10:30	50.2	53.8	45.7						
				10:35	53.5	57.0	46.8						
				10:40	50.3	56.9	45.5						
			10:45	57.0	60.5	48.0							
20 Feb 2023	Sunny	0.3	94.1	10:20	51.7	55.2	45.9	53.2	68.5	<Baseline Level	75	N/A	Traffic
				10:25	50.3	53.8	44.5						
				10:30	52.4	55.9	46.7						
				10:35	54.3	57.8	48.5						
				10:40	55.4	58.9	49.6						
			10:45	52.9	56.4	47.1							

\* N/A refers to no major construction noise observed during noise monitoring



**Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**

Location: N17 - Bui O Public School

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Limit Level	Major Construction Noise Source(s)*	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
8 Feb 2023	Cloudy	0.1	94.1	13:00	51.3	54.0	43.6	50.2	62.3	<Baseline Level	70	N/A	Traffic
				13:05	50.6	53.3	42.9						
				13:10	49.9	52.6	42.2						
				13:15	49.8	52.5	42.1						
				13:20	50.9	53.6	43.2						
				13:25	47.9	50.7	40.5						
14 Feb 2023	Cloudy	0.0	94.1	13:00	48.5	59.9	42.2	52.3	62.3	<Baseline Level	70	N/A	Traffic
				13:05	56.1	60.9	45.2						
				13:10	46.6	48.7	43.3						
				13:15	51.4	54.4	46.8						
				13:20	53.5	57.4	45.9						
				13:25	51.2	54.1	45.6						
20 Feb 2023	Sunny	0.1	94.1	13:00	48.0	44.2	39.5	50.3	62.3	<Baseline Level	70	N/A	Traffic
				13:05	46.8	43.2	39.3						
				13:10	48.6	44.9	40.2						
				13:15	53.2	49.5	44.8						
				13:20	51.3	47.5	42.8						
				13:25	50.5	46.7	42.3						

\* N/A refers to no major construction noise observed during noise monitoring



**Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**

Location: N12a - Light Pole in front of 47 Lo Uk Tsuen

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construction Noise Source(s)*	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
1 Mar 2023	Sunny	0.3	94.1	14:15	65.2	67.7	46.7	63.5	73.3	<Baseline Level	75	N/A	Traffic, Dogs
				14:20	61.5	62.2	45.5						
				14:25	57.4	59.2	44.7						
				14:30	63.1	65.0	46.5						
				14:35	62.8	64.5	45.8						
				14:40	66.4	68.4	47.8						
8 Mar 2023	Sunny	0.0	94.1	14:15	68.4	71.4	46.5	66.6	73.3	<Baseline Level	75	N/A	Traffic, Dogs
				14:20	65.2	67.9	46.2						
				14:25	66.6	69.5	47.3						
				14:30	60.9	63.3	44.4						
				14:35	66.5	69.0	44.9						
				14:40	68.3	71.4	46.7						
16 Mar 2023	Sunny	0.0	94.1	14:15	70.9	74.9	46.5	69.5	73.3	<Baseline Level	75	N/A	Traffic, Dogs
				14:20	71.4	75.6	44.1						
				14:25	64.1	67.2	43.9						
				14:30	69.8	73.8	47.8						
				14:35	67.3	71.1	46.3						
				14:40	70.2	74.2	44.9						
22 Mar 2023	Cloudy	0.6	94.1	14:15	69.6	73.1	46.1	68.1	73.3	<Baseline Level	75	N/A	Traffic, Dogs
				14:20	67.2	70.4	45.9						
				14:25	65.7	68.9	46.4						
				14:30	65.7	68.7	45.9						
				14:35	68.6	72.1	45.5						
				14:40	70.0	73.5	46.8						
29 Mar 2023	Cloudy	0.1	94.1	14:15	68.4	71.2	47.5	66.0	73.3	<Baseline Level	75	N/A	Traffic, Dogs
				14:20	65.9	68.5	45.9						
				14:25	64.6	67.1	46.4						
				14:30	61.8	64.3	45.8						
				14:35	64.6	66.5	45.9						
				14:40	67.6	70.6	46.6						

\* N/A refers to no major construction noise observed during noise monitoring



**Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**

Location: N12b - 11B Lo Uk Tsuen

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level Leq	Baseline Level Leq	Construction Noise Level Leq	Action Level Leq	Major Construction Noise Source(s)*	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
1 Mar 2023	Sunny	0.0	94.1	13:40	65.2	69.5	47.7	63.9	76.8	<Baseline Level	75	Excavating	Traffic
				13:45	61.5	65.7	44.4						
				13:50	59.9	65.1	45.3						
				13:55	63.2	67.5	47.2						
				14:00	64.7	68.9	44.9						
8 Mar 2023	Sunny	0.0	94.1	14:05	65.9	70.3	48.1	63.2	76.8	<Baseline Level	75	N/A	Traffic
				13:40	63.1	67.7	48.6						
				13:45	64.7	62.3	45.6						
				13:50	63.5	64.5	46.8						
				13:55	60.9	66.3	48.3						
16 Mar 2023	Sunny	0.0	94.1	14:00	59.5	67.5	47.3	62.2	76.8	<Baseline Level	75	N/A	Traffic
				14:05	65.0	66.0	47.8						
				13:40	64.1	65.3	48.9						
				13:45	56.8	58.2	46.1						
				13:50	61.3	63.2	47.7						
22 Mar 2023	Cloudy	0.0	94.1	13:55	63.2	64.5	48.8	62.7	76.8	<Baseline Level	75	N/A	Traffic
				14:00	64.1	65.4	49.1						
				14:05	59.7	61.1	46.8						
				13:40	62.8	64.1	47.8						
				13:45	62.2	66.8	49.5						
29 Mar 2023	Cloudy	0.0	94.1	13:50	62.5	65.7	49.3	63.3	76.8	<Baseline Level	75	N/A	Traffic
				13:55	62.9	64.3	47.7						
				14:00	61.3	60.8	46.5						
				14:05	64.2	66.9	49.2						
				13:40	64.4	66.6	49.2						

\* N/A refers to no major construction noise observed during noise monitoring



**Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**

Location: N13 - 74 Pui O San Wai Tsuen

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construction Noise Source(s)*	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
1 Mar 2023	Sunny	0.0	94.1	11:30	63.3	67.0	53.3	62.5	73.6	<Baseline Level	75	N/A	Traffic
				11:35	57.7	60.7	53.1						
				11:40	58.6	61.7	54.2						
				11:45	59.3	63.0	54.0						
				11:50	65.8	69.5	53.1						
8 Mar 2023	Sunny	0.0	94.1	11:30	64.2	67.5	52.8	62.5	73.6	<Baseline Level	75	N/A	Traffic
				11:35	64.4	67.5	53.7						
				11:40	60.1	63.3	53.8						
				11:45	61.2	64.2	54.1						
				11:50	58.6	60.5	52.6						
16 Mar 2023	Sunny	0.0	94.1	11:30	63.1	66.2	53.4	61.9	73.6	<Baseline Level	75	N/A	Traffic
				11:35	56.5	59.5	51.1						
				11:40	63.0	65.7	52.9						
				11:45	59.8	62.6	52.8						
				11:50	62.1	64.8	53.3						
22 Mar 2023	Cloudy	0.0	94.1	11:30	61.6	64.6	52.5	62.1	73.6	<Baseline Level	75	N/A	Traffic
				11:35	63.1	66.1	53.3						
				11:40	61.8	64.8	52.6						
				11:45	63.4	66.5	52.9						
				11:50	61.0	64.2	51.9						
29 Mar 2023	Cloudy	0.0	94.1	11:30	60.4	63.6	54.3	63.6	73.6	<Baseline Level	75	N/A	Traffic
				11:35	61.8	64.9	54.2						
				11:40	64.8	68.1	54.0						
				11:45	64.5	67.5	54.3						
				11:50	64.5	67.8	53.2						
				11:55	63.8	66.7	53.4						

\* N/A refers to no major construction noise observed during noise monitoring



**Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**

Location: N14 - South Lantau Community Centre

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construction Noise	Other Noise Source(s)
					Leq	L10	L90	Leq	Leq	Leq	Leq		
					Unit: dB(A), (5-min)			Unit: dB(A), (30-min)					
1 Mar 2023	Sunny	0.0	94.1	10:55	64.0	66.1	45.4	61.1	62.2	<Baseline Level	75	N/A	Traffic
				11:00	53.2	56.0	42.3						
				11:05	61.9	66.0	41.4						
				11:10	55.5	58.2	43.2						
				11:15	61.1	64.0	46.1						
				11:20	62.8	65.5	45.1						
8 Mar 2023	Sunny	0.0	94.1	10:55	60.9	63.7	45.0	58.1	62.2	<Baseline Level	75	N/A	Traffic
				11:00	59.5	62.5	45.8						
				11:05	54.1	56.8	43.6						
				11:10	57.2	61.3	43.7						
				11:15	56.8	59.5	44.4						
				11:20	56.6	59.2	44.5						
16 Mar 2023	Sunny	0.0	94.1	10:55	46.8	49.8	41.2	54.5	62.2	<Baseline Level	75	N/A	Traffic
				11:00	57.9	60.5	44.1						
				11:05	49.6	53.9	43.5						
				11:10	50.3	53.0	41.5						
				11:15	55.7	58.5	43.1						
				11:20	56.6	59.4	42.4						
22 Mar 2023	Cloudy	0.0	94.1	10:55	61.5	64.6	57.8	62.9	62.2	55	75	N/A	Traffic
				11:00	64.0	67.2	49.5						
				11:05	61.8	64.8	48.0						
				11:10	62.4	66.3	49.2						
				11:15	66.1	68.2	50.0						
				11:20	56.8	60.0	46.9						
29 Mar 2023	Cloudy	0.0	94.1	10:55	53.0	56.8	45.0	58.9	62.2	<Baseline Level	75	N/A	Traffic
				11:00	61.8	64.2	46.9						
				11:05	54.4	57.9	45.0						
				11:10	59.0	61.8	46.1						
				11:15	60.2	63.2	46.8						
				11:20	59.2	62.8	50.6						

\* N/A refers to no major construction noise observed during noise monitoring



**Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**

Location: N15b - Pole in front of 7A Pui O Lo Wai Tsuen

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Limit Level	Major Construction Noise Source(s)*	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
1 Mar 2023	Sunny	0.4	94.1	15:00	57.0	61.8	49.2	57.2	70.7	<Baseline Level	75	N/A	Traffic
				15:05	55.7	60.5	48.4						
				15:10	58.9	63.6	46.8						
				15:15	58.3	63.1	50.3						
				15:20	56.4	61.2	47.2						
15:25	55.6	60.4	48.3										
8 Mar 2023	Sunny	0.0	94.1	15:00	57.5	61.8	48.1	59.3	70.7	<Baseline Level	75	N/A	Traffic
				15:05	57.7	62.2	48.3						
				15:10	62.3	66.2	50.5						
				15:15	59.9	65.1	47.5						
				15:20	56.8	61.2	48.7						
15:25	58.9	63.5	49.8										
16 Mar 2023	Sunny	0.3	94.1	15:00	61.2	65.5	50.7	62.2	70.7	<Baseline Level	75	N/A	Traffic
				15:05	58.1	61.8	49.3						
				15:10	61.3	66.7	48.7						
				15:15	66.7	69.6	51.3						
				15:20	59.4	63.6	49.8						
15:25	60.0	63.8	48.3										
22 Mar 2023	Cloudy	0.6	94.1	15:00	60.3	64.5	49.9	61.4	70.7	<Baseline Level	75	N/A	Traffic
				15:05	58.8	63.2	50.1						
				15:10	64.4	68.3	50.2						
				15:15	62.6	67.3	50.4						
				15:20	58.8	62.8	49.6						
15:25	60.3	64.5	50.2										
29 Mar 2023	Cloudy	0.7	94.1	15:00	60.7	65.5	49.4	60.3	70.7	<Baseline Level	75	N/A	Traffic
				15:05	58.4	62.2	49.5						
				15:10	61.9	66.3	50.5						
				15:15	61.5	65.7	49.9						
				15:20	57.7	62.2	49.3						
15:25	60.0	64.7	48.6										

\* N/A refers to no major construction noise observed during noise monitoring



**Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**

Location: N16a - Light pole in front of House E, Southern Comfort, Ham Tin

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construction Noise Source(s)*	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
1 Mar 2023	Sunny	0.2	94.1	9:45	49.9	52.1	47.1	51.8	68.1	<Baseline Level	75	N/A	Traffic
				9:50	54.1	57.2	47.3						
				9:55	51.8	55.1	47.5						
				10:00	48.6	50.8	47.2						
				10:05	53.2	55.4	48.1						
10:10	51.1	53.3	47.2										
8 Mar 2023	Sunny	0.0	94.1	9:45	51.8	54.2	44.9	51.9	68.1	<Baseline Level	75	N/A	Traffic
				9:50	54.9	57.3	45.8						
				9:55	49.2	52.0	44.6						
				10:00	51.5	56.8	45.5						
				10:05	51.8	54.9	45.6						
10:10	49.9	52.7	44.7										
16 Mar 2023	Sunny	0.1	94.1	9:45	49.0	52.5	41.5	51.6	68.1	<Baseline Level	75	N/A	Traffic
				9:50	48.6	51.7	43.0						
				9:55	50.3	57.7	42.5						
				10:00	48.9	52.4	41.3						
				10:05	55.8	58.3	42.6						
10:10	51.7	54.3	41.8										
22 Mar 2023	Cloudy	1.1	94.1	9:45	50.3	53.0	43.2	51.5	68.1	<Baseline Level	75	N/A	Traffic
				9:50	55.2	57.5	44.1						
				9:55	50.2	53.1	42.9						
				10:00	50.5	55.2	44.6						
				10:05	50.7	53.6	45.5						
10:10	48.6	51.5	44.2										
29 Mar 2023	Cloudy	0.8	94.1	9:45	49.9	55.0	43.8	51.2	68.1	<Baseline Level	75	N/A	Traffic
				9:50	50.1	53.1	44.7						
				9:55	50.2	54.2	43.5						
				10:00	50.5	53.3	44.1						
				10:05	53.9	56.5	45.3						
10:10	51.3	55.3	44.9										

\* N/A refers to no major construction noise observed during noise monitoring





**Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**

Location: N16b - Fence in front of 7E Ham Tin San Tsuen, Ham Tin

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construction Noise	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
1 Mar 2023	Sunny	0.0	94.1	10:20	59.5	64.1	49.2	61.8	68.5	<Baseline Level	75	N/A	Traffic
				10:25	64.6	58.2	46.7						
				10:30	60.0	64.8	47.8						
				10:35	60.3	65.1	47.4						
				10:40	61.2	66.0	48.3						
				10:45	62.8	67.6	46.9						
8 Mar 2023	Sunny	0.0	94.1	10:20	59.8	63.2	43.8	59.8	68.5	<Baseline Level	75	N/A	Traffic
				10:25	61.1	64.7	45.9						
				10:30	59.0	62.4	45.1						
				10:35	60.2	65.8	44.1						
				10:40	59.2	57.2	43.7						
				10:45	59.1	62.2	46.2						
16 Mar 2023	Sunny	0.0	94.1	10:20	59.6	61.4	44.1	59.3	68.5	<Baseline Level	75	N/A	Traffic, Touris
				10:25	54.8	56.9	41.3						
				10:30	61.1	67.6	41.4						
				10:35	58.2	60.4	43.2						
				10:40	61.6	63.9	44.1						
				10:45	57.3	59.4	41.3						
22 Mar 2023	Cloudy	0.0	94.1	10:20	59.3	61.9	43.6	58.9	68.5	<Baseline Level	75	N/A	Traffic
				10:25	57.6	60.4	43.2						
				10:30	59.7	64.6	42.9						
				10:35	58.8	62.7	43.0						
				10:40	59.9	60.2	43.5						
				10:45	57.8	60.4	43.4						
29 Mar 2023	Cloudy	0.0	94.1	10:20	59.0	63.6	42.0	58.6	68.5	<Baseline Level	75	N/A	Traffic
				10:25	57.0	58.2	42.0						
				10:30	58.8	61.6	43.2						
				10:35	59.0	63.1	44.2						
				10:40	58.0	58.4	43.0						
				10:45	59.4	63.5	43.5						

\* N/A refers to no major construction noise observed during noise monitoring



**Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**

Location: N17 - Bui O Public School

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Limit Level	Major Construction Noise Source(s)*	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
1 Mar 2023	Sunny	0.1	94.1	13:00	46.8	48.9	43.2	47.2	62.3	<Baseline Level	70	N/A	Traffic
				13:05	47.8	49.8	44.5						
				13:10	47.0	48.7	43.8						
				13:15	46.9	48.6	42.8						
				13:20	47.1	48.9	43.5						
13:25	47.5	49.2	44.6										
8 Mar 2023	Sunny	0.0	94.1	13:00	48.1	50.0	43.7	48.8	62.3	<Baseline Level	70	N/A	Traffic
				13:05	48.8	51.0	42.9						
				13:10	48.2	50.5	42.5						
				13:15	48.4	50.6	42.9						
				13:20	49.2	51.7	44.2						
13:25	49.6	51.4	42.8										
16 Mar 2023	Sunny	0.0	94.1	13:00	55.8	57.2	45.8	53.8	62.3	<Baseline Level	70	N/A	Traffic
				13:05	54.0	56.9	47.1						
				13:10	53.1	55.4	45.4						
				13:15	52.9	56.0	45.5						
				13:20	53.8	56.6	45.7						
13:25	52.0	54.4	46.2										
22 Mar 2023	Cloudy	0.2	94.1	13:00	49.3	51.5	43.5	49.8	62.3	<Baseline Level	70	N/A	Traffic
				13:05	50.4	52.9	43.4						
				13:10	49.5	52.1	43.6						
				13:15	49.5	51.4	44.1						
				13:20	49.7	52.2	44.4						
13:25	50.5	51.9	43.5										
29 Mar 2023	Cloudy	0.1	94.1	13:00	52.1	53.9	44.8	51.3	62.3	<Baseline Level	70	N/A	Traffic
				13:05	52.1	54.8	46.1						
				13:10	52.9	54.5	45.3						
				13:15	49.8	52.1	43.6						
				13:20	50.2	52.6	44.2						
13:25	49.1	51.4	43.6										

\* N/A refers to no major construction noise observed during noise monitoring



**Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**

Location: N12a - Light Pole in front of 47 Lo Uk Tsuen

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construction Noise Source(s)*	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
4 Apr 2023	Sunny	0.0	94.1	14:15	72.8	65.3	54.0	68.9	73.3	<Baseline Level	75	N/A	Traffic
				14:20	42.7	65.8	53.5						
				14:25	66.4	69.9	53.6						
				14:30	65.6	68.2	52.6						
				14:35	72.5	75.3	52.2						
				14:40	63.0	64.6	51.9						
12 Apr 2023	Sunny	0.0	94.1	14:15	59.9	62.4	40.7	58.4	73.3	<Baseline Level	75	N/A	Traffic
				14:20	46.1	48.0	40.5						
				14:25	62.5	66.8	42.7						
				14:30	43.6	46.1	40.0						
				14:35	48.9	51.4	43.2						
				14:40	61.0	64.5	42.9						
18 Apr 2023	Cloudy	0.7	94.1	14:15	58.8	62.3	43.6	57.3	73.3	<Baseline Level	75	N/A	Traffic
				14:20	52.7	56.2	42.7						
				14:25	51.2	54.8	42.0						
				14:30	59.6	63.2	43.2						
				14:35	52.6	56.9	42.8						
				14:40	60.1	62.2	45.3						
24 Apr 2023	Cloudy	0.4	94.1	14:15	65.5	68.9	47.9	63.4	73.3	<Baseline Level	75	N/A	Traffic
				14:20	63.8	66.7	47.5						
				14:25	61.9	65.4	47.3						
				14:30	64.3	66.3	47.5						
				14:35	61.6	65.5	46.0						
				14:40	61.8	65.7	48.1						

\* N/A refers to no major construction noise observed during noise monitoring



**Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**

Location: N12b - 11B Lo Uk Tsuen

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construction Noise Source(s)*	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
4 Apr 2023	Sunny	0.0	94.1	13:40	63.5	66.7	49.9	63.3	76.8	<Baseline Level	75	N/A	Traffic
				13:45	62.2	65.3	51.3						
				13:50	62.0	65.4	49.8						
				13:55	65.6	70.3	50.2						
				14:00	57.7	61.3	50.5						
12 Apr 2023	Sunny	0.0	94.1	13:40	69.2	74.0	48.9	64.4	76.8	<Baseline Level	75	N/A	Traffic
				13:45	52.1	54.3	48.9						
				13:50	67.2	72.1	49.4						
				13:55	58.6	60.6	49.3						
				14:00	59.3	61.5	49.6						
18 Apr 2023	Cloudy	0.3	94.1	13:40	62.5	65.3	50.6	64.5	76.8	<Baseline Level	75	N/A	Traffic
				13:45	67.1	71.5	51.6						
				13:50	57.6	62.8	50.3						
				13:55	67.2	71.9	50.4						
				14:00	65.3	70.1	51.7						
24 Apr 2023	Cloudy	0.0	94.1	13:40	48.6	52.8	42.5	51.5	76.8	<Baseline Level	75	N/A	Traffic
				13:45	52.3	56.4	42.5						
				13:50	51.4	55.3	41.6						
				13:55	44.6	48.6	40.8						
				14:00	53.2	56.6	43.3						
				14:05	53.7	56.8	41.6						

\* N/A refers to no major construction noise observed during noise monitoring



**Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**

Location: N13 - 74 Pui O San Wai Tsuen

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construction Noise Source(s)*	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
4 Apr 2023	Sunny	0.0	94.1	11:30	54.7	58.4	46.5	54.2	73.6	<Baseline Level	75	N/A	Traffic
				11:35	55.2	58.6	46.7						
				11:40	51.5	54.5	46.5						
				11:45	55.3	59.6	46.4						
				11:50	53.2	56.6	46.3						
				11:55	54.1	57.3	46.8						
12 Apr 2023	Sunny	0.0	94.1	11:30	65.3	67.6	54.9	63.8	73.6	<Baseline Level	75	N/A	Traffic
				11:35	59.4	62.5	55.7						
				11:40	66.0	70.7	57.1						
				11:45	64.2	68.0	56.5						
				11:50	63.1	66.9	54.8						
				11:55	61.3	65.1	55.9						
18 Apr 2023	Cloudy	0.6	94.1	11:30	46.8	61.0	47.2	50.8	73.6	<Baseline Level	75	N/A	Traffic
				11:35	53.5	56.5	46.3						
				11:40	52.2	54.4	45.5						
				11:45	49.5	52.7	42.2						
				11:50	50.1	53.6	43.1						
				11:55	49.3	53.4	43.2						
24 Apr 2023	Cloudy	0.2	94.1	11:30	48.6	53.1	42.7	51.4	73.6	<Baseline Level	75	N/A	Traffic
				11:35	52.5	56.8	42.5						
				11:40	50.2	53.9	40.2						
				11:45	44.4	46.6	40.9						
				11:50	53.3	56.6	42.8						
				11:55	53.8	57.8	42.5						

\* N/A refers to no major construction noise observed during noise monitoring



**Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**

Location: N14 - South Lantau Community Centre

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construction Noise	Other Noise Source(s)
					Leq	L10	L90	Leq	Leq	Leq	Leq		
					Unit: dB(A), (5-min)			Unit: dB(A), (30-min)					
4 Apr 2023	Sunny	0.0	94.1	10:55	55.5	59.2	45.6	55.3	62.2	<Baseline Level	75	N/A	Traffic
				11:00	54.2	57.3	45.4						
				11:05	51.9	55.6	44.9						
				11:10	54.3	57.4	47.9						
				11:15	56.5	59.6	49.4						
12 Apr 2023	Sunny	0.0	94.1	10:55	50.7	53.2	46.4	52.5	62.2	<Baseline Level	75	N/A	Traffic
				11:00	54.4	55.7	47.6						
				11:05	53.2	55.8	49.1						
				11:10	52.8	55.4	46.3						
				11:15	51.9	54.5	44.8						
18 Apr 2023	Cloudy	0.2	94.1	10:55	52.2	55.1	46.8	55.8	62.2	<Baseline Level	75	N/A	Traffic
				11:00	55.6	59.3	46.6						
				11:05	55.7	59.6	46.1						
				11:10	57.8	61.2	48.3						
				11:15	57.7	60.6	47.6						
24 Apr 2023	Cloudy	0.0	94.1	10:55	49.7	54.2	43.2	53.5	62.2	<Baseline Level	75	N/A	Traffic
				11:00	55.1	59.1	42.1						
				11:05	56.4	60.3	42.4						
				11:10	52.8	57.4	41.5						
				11:15	53.5	57.9	43.5						
				11:20	48.3	51.5	41.8						

\* N/A refers to no major construction noise observed during noise monitoring



**Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**

Location: N15b - Pole in front of 7A Pui O Lo Wai Tsuen

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Limit Level	Major Construction Noise Source(s)*	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
4 Apr 2023	Sunny	0.0	94.1	15:00	58.9	62.2	53.1	62.1	70.7	<Baseline Level	75	N/A	Traffic
				15:05	59.8	63.1	54.0						
				15:10	59.4	62.7	53.6						
				15:15	63.1	66.4	55.3						
				15:20	64.5	67.8	55.7						
15:25	63.6	66.9	55.8										
12 Apr 2023	Sunny	0.0	94.1	15:00	64.9	68.6	60.2	65.6	70.7	<Baseline Level	75	N/A	Traffic
				15:05	63.1	67.2	59.3						
				15:10	66.6	70.1	61.9						
				15:15	65.4	69.0	61.2						
				15:20	68.1	71.5	62.2						
15:25	62.9	66.4	59.8										
18 Apr 2023	Cloudy	0.0	94.1	15:00	58.5	62.8	52.9	61.3	70.7	<Baseline Level	75	N/A	Traffic
				15:05	62.4	66.7	54.8						
				15:10	62.2	66.5	54.6						
				15:15	61.0	65.3	53.4						
				15:20	60.0	64.3	52.4						
15:25	62.5	66.8	53.9										
24 Apr 2023	Cloudy	0.2	94.1	15:00	59.4	62.2	46.5	56.9	70.7	<Baseline Level	75	N/A	Traffic
				15:05	56.3	58.4	46.8						
				15:10	54.8	57.7	50.1						
				15:15	58.3	61.3	48.2						
				15:20	56.1	59.6	48.3						
15:25	53.5	56.8	47.6										

\* N/A refers to no major construction noise observed during noise monitoring



**Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**

Location: N16a - Light pole in front of House E, Southern Comfort, Ham Tin

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construction Noise Source(s)*	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
4 Apr 2023	Sunny	0.0	94.1	9:45	48.9	52.7	44.8	50.8	68.1	<Baseline Level	75	N/A	Traffic
				9:50	50.4	53.9	45.3						
				9:55	50.5	54.2	44.9						
				10:00	49.2	52.0	44.3						
				10:05	52.1	55.2	43.6						
				10:10	52.3	55.1	44.5						
12 Apr 2023	Sunny	0.0	94.1	9:45	53.6	57.2	45.4	52.0	68.1	<Baseline Level	75	N/A	Traffic
				9:50	49.4	52.4	45.4						
				9:55	48.7	50.9	45.8						
				10:00	49.6	51.5	44.3						
				10:05	52.3	54.2	46.0						
				10:10	54.8	56.9	46.2						
18 Apr 2023	Cloudy	0.5	94.1	9:45	53.2	56.1	46.5	51.0	68.1	<Baseline Level	75	N/A	Traffic
				9:50	48.6	51.7	44.6						
				9:55	50.5	53.6	45.3						
				10:00	51.2	54.1	45.8						
				10:05	47.6	51.1	44.1						
				10:10	52.3	56.0	43.6						
24 Apr 2023	Cloudy	0.3	94.1	9:45	49.8	54.1	41.5	49.8	68.1	<Baseline Level	75	N/A	Traffic
				9:50	45.6	48.9	41.9						
				9:55	52.7	56.7	45.2						
				10:00	50.7	54.5	45.8						
				10:05	44.7	48.8	42.3						
				10:10	50.5	54.6	46.1						

\* N/A refers to no major construction noise observed during noise monitoring





**Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**

Location: N16b - Fence in front of 7E Ham Tin San Tsuen, Ham Tin

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construction Noise	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
4 Apr 2023	Sunny	0.0	94.1	10:20	48.8	51.1	45.2	46.6	68.5	<Baseline Level	75	N/A	Traffic
				10:25	47.9	49.2	44.6						
				10:30	47.2	48.6	43.8						
				10:35	43.6	46.0	42.6						
				10:40	44.1	46.2	42.9						
				10:45	45.8	48.3	43.5						
12 Apr 2023	Sunny	0.0	94.1	10:20	47.6	50.2	42.9	45.4	68.5	<Baseline Level	75	N/A	Traffic
				10:25	44.2	46.4	42.0						
				10:30	43.1	44.5	41.1						
				10:35	42.8	45.0	40.7						
				10:40	45.9	48.1	43.8						
				10:45	46.4	48.6	44.3						
18 Apr 2023	Cloudy	0.1	94.1	10:20	48.4	50.7	45.2	47.0	68.5	<Baseline Level	75	N/A	Traffic
				10:25	48.2	49.5	44.6						
				10:30	46.2	47.6	42.9						
				10:35	44.4	46.3	43.4						
				10:40	45.2	47.6	44.0						
				10:45	48.1	50.7	44.3						
24 Apr 2023	Cloudy	0.0	94.1	10:20	47.8	50.4	44.9	48.1	68.5	<Baseline Level	75	N/A	Traffic
				10:25	45.4	47.9	45.1						
				10:30	44.8	47.3	44.8						
				10:35	48.8	49.4	44.2						
				10:40	49.7	50.1	44.6						
				10:45	49.5	51.9	45.3						

\* N/A refers to no major construction noise observed during noise monitoring



**Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**

Location: N17 - Bui O Public School

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Limit Level	Major Construction Noise Source(s)*	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
4 Apr 2023	Sunny	0.1	94.1	13:00	46.5	48.7	42.4	46.6	62.3	<Baseline Level	70	N/A	Traffic
				13:05	46.1	48.1	43.1						
				13:10	46.2	48.5	43.5						
				13:15	46.8	48.9	45.0						
				13:20	47.3	49.5	43.8						
13:25	46.7	49.3	43.9										
12 Apr 2023	Sunny	0.0	94.1	13:00	43.4	44.4	42.5	47.3	62.3	<Baseline Level	70	N/A	Traffic
				13:05	48.6	52.3	41.7						
				13:10	48.2	51.3	42.6						
				13:15	45.3	47.1	43.5						
				13:20	46.6	48.4	44.6						
13:25	49.2	51.0	49.3										
18 Apr 2023	Cloudy	1.3	94.1	13:00	47.6	49.7	45.4	46.6	62.3	<Baseline Level	70	N/A	Traffic
				13:05	46.7	48.5	43.7						
				13:10	45.8	48.1	42.5						
				13:15	47.5	50.2	42.6						
				13:20	46.8	49.7	42.5						
13:25	44.0	46.2	42.1										
24 Apr 2023	Cloudy	0.8	94.1	13:00	44.3	46.5	41.2	45.6	62.3	<Baseline Level	70	N/A	Traffic
				13:05	44.8	46.9	41.6						
				13:10	46.6	48.8	41.5						
				13:15	45.6	48.6	40.9						
				13:20	46.3	48.3	42.3						
13:25	45.8	48.1	41.0										

\* N/A refers to no major construction noise observed during noise monitoring

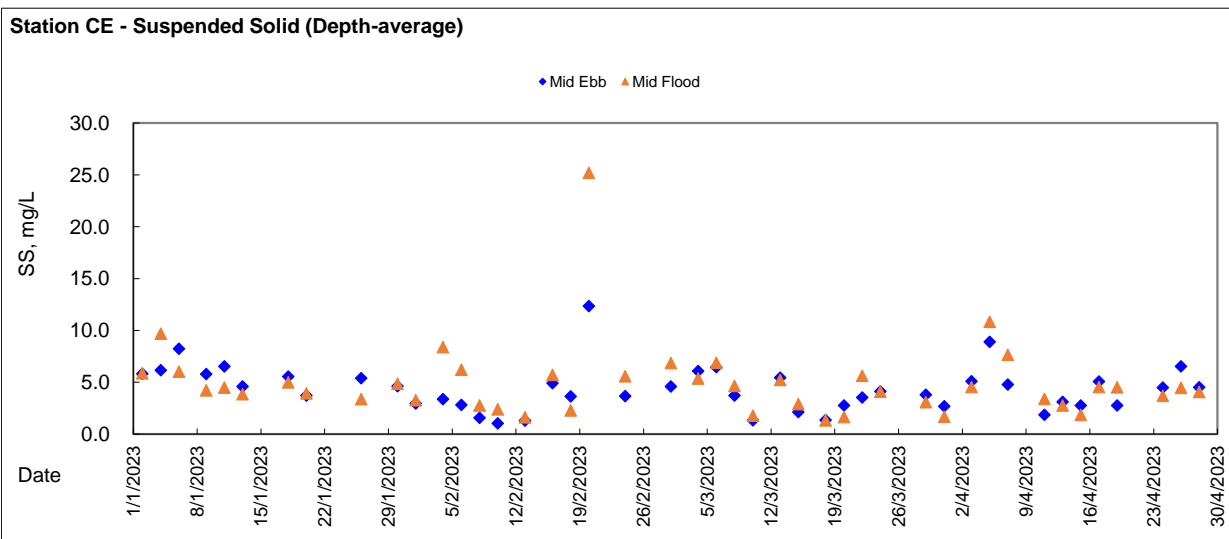
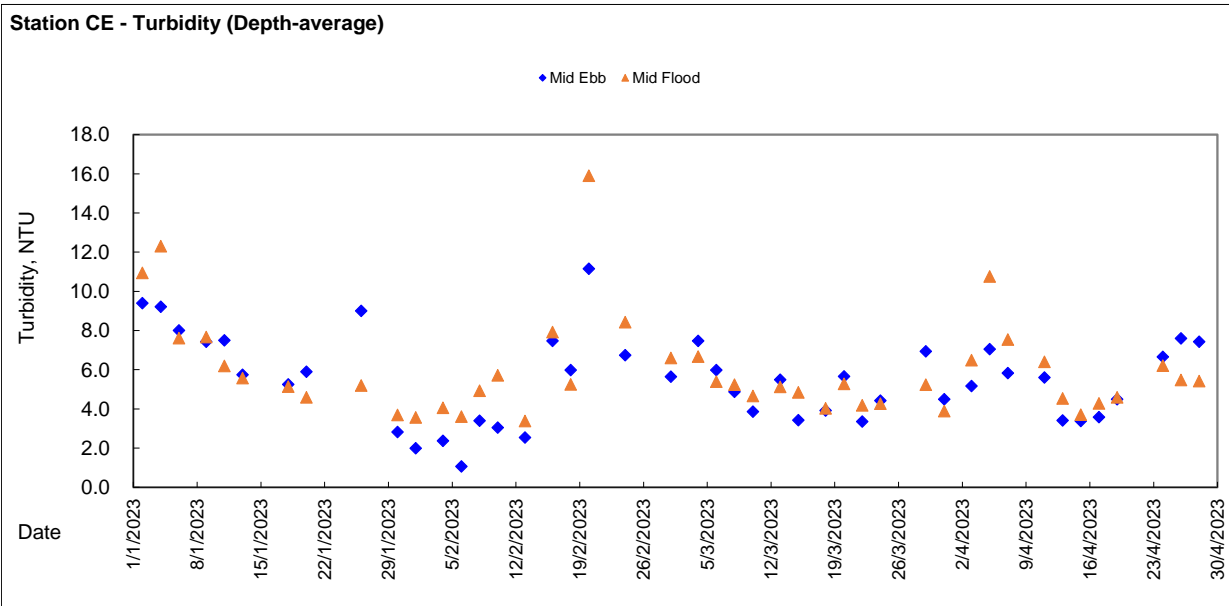
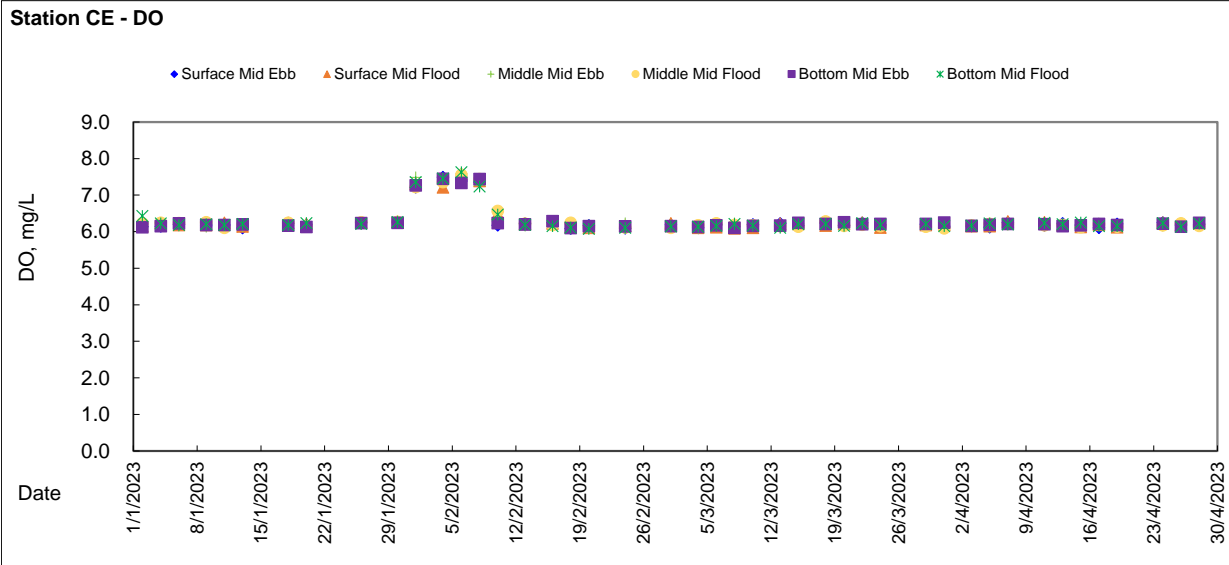


***Appendix 5.2***

***Marine Water Quality Monitoring Graphical and Summary of Exceedance Presentations***

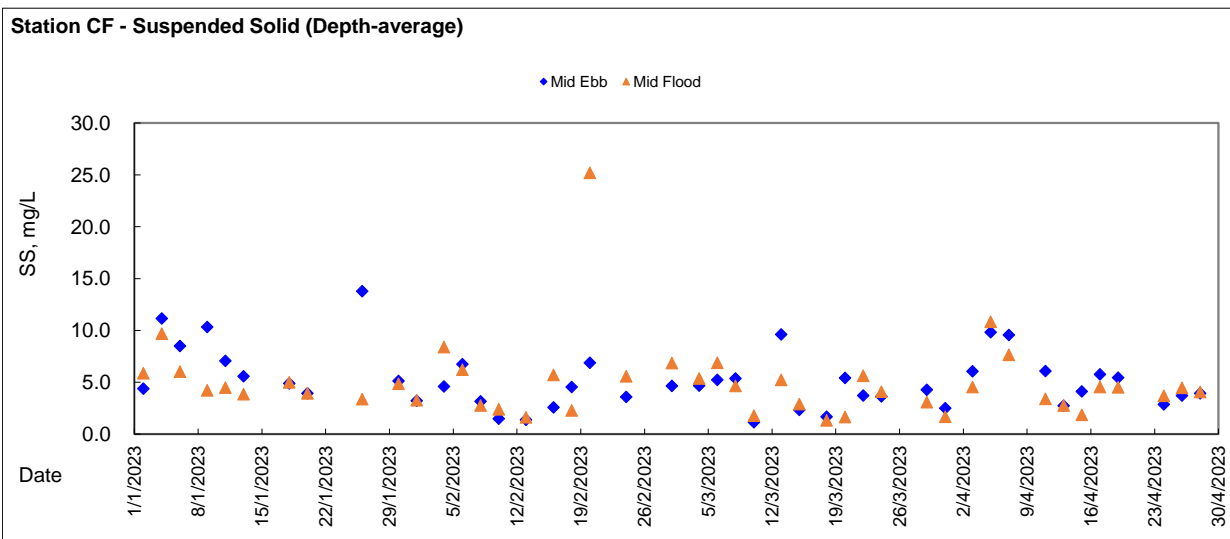
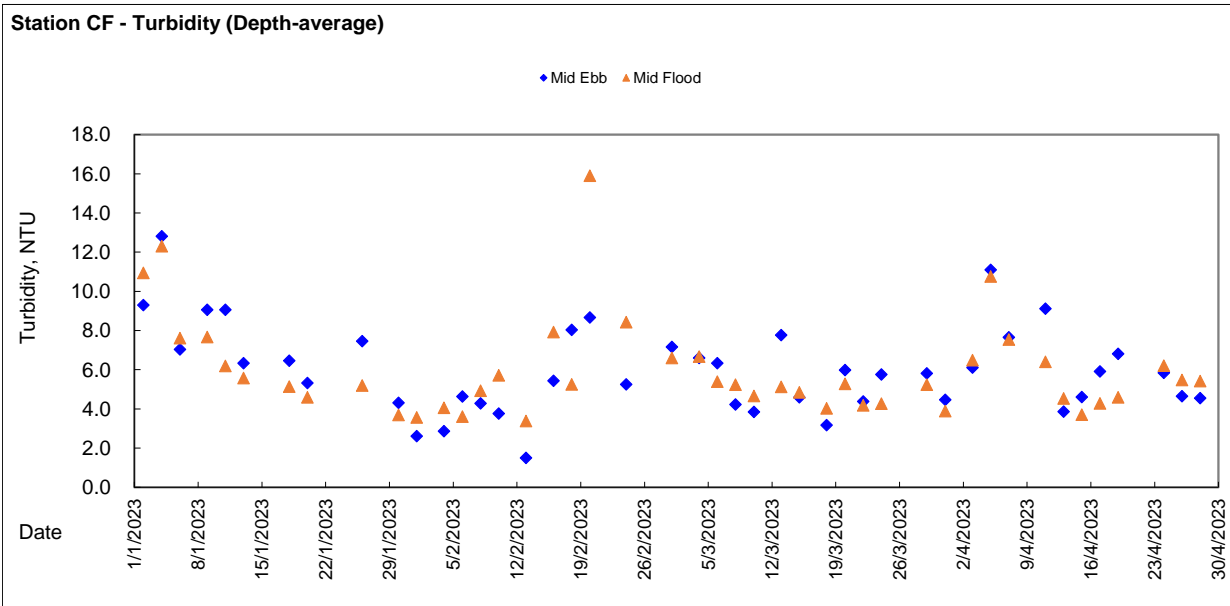
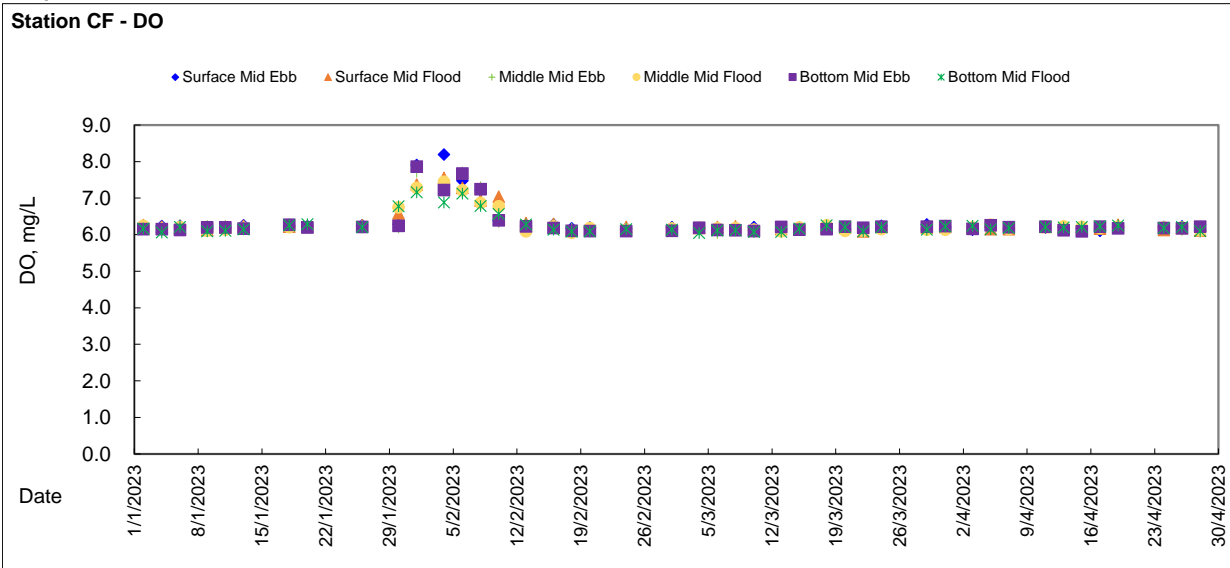


Graphic Presentation of WQM Result



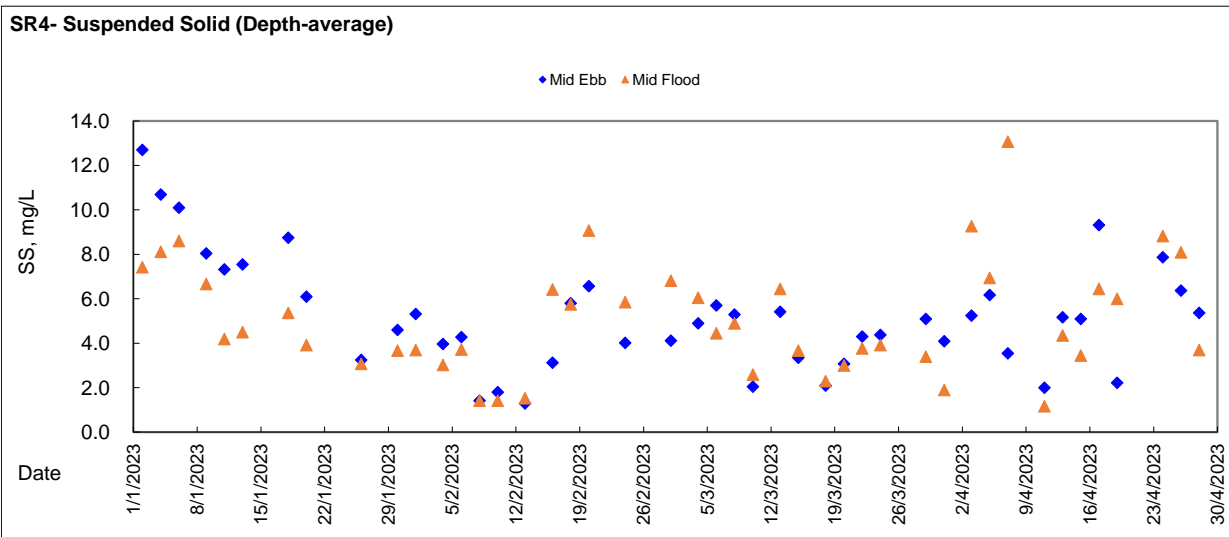
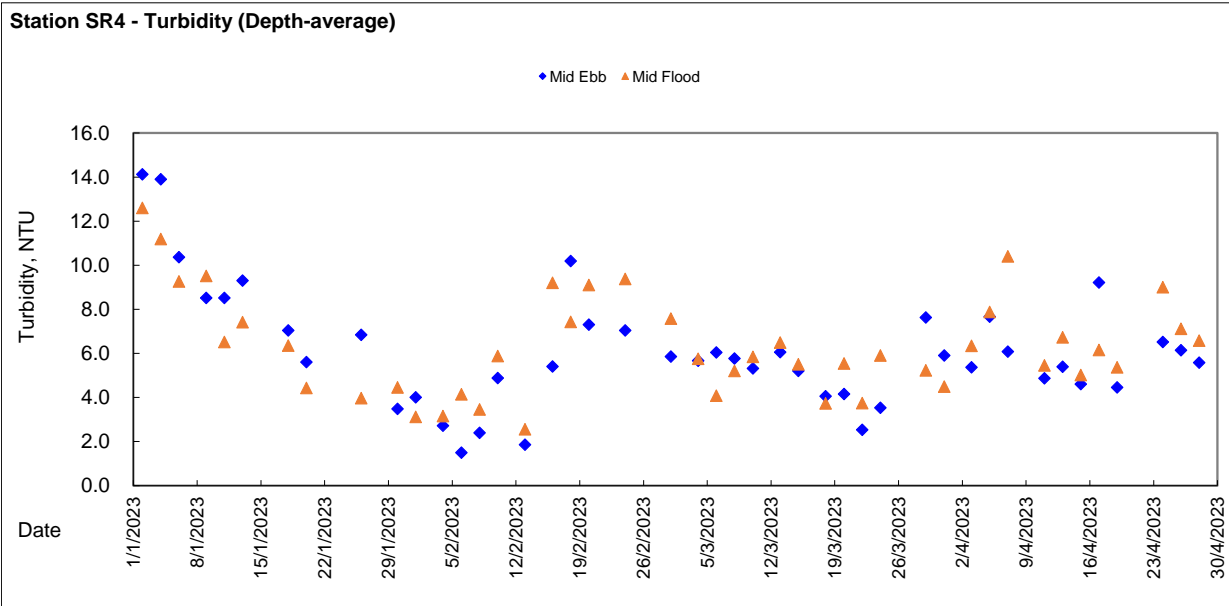
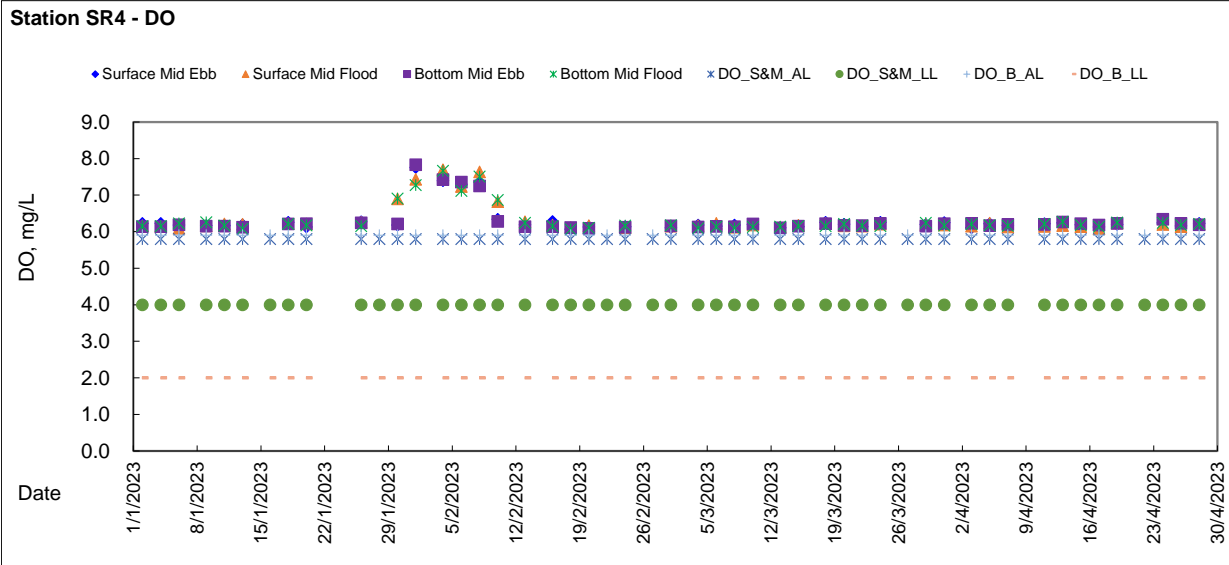


Graphic Presentation of WQM Result



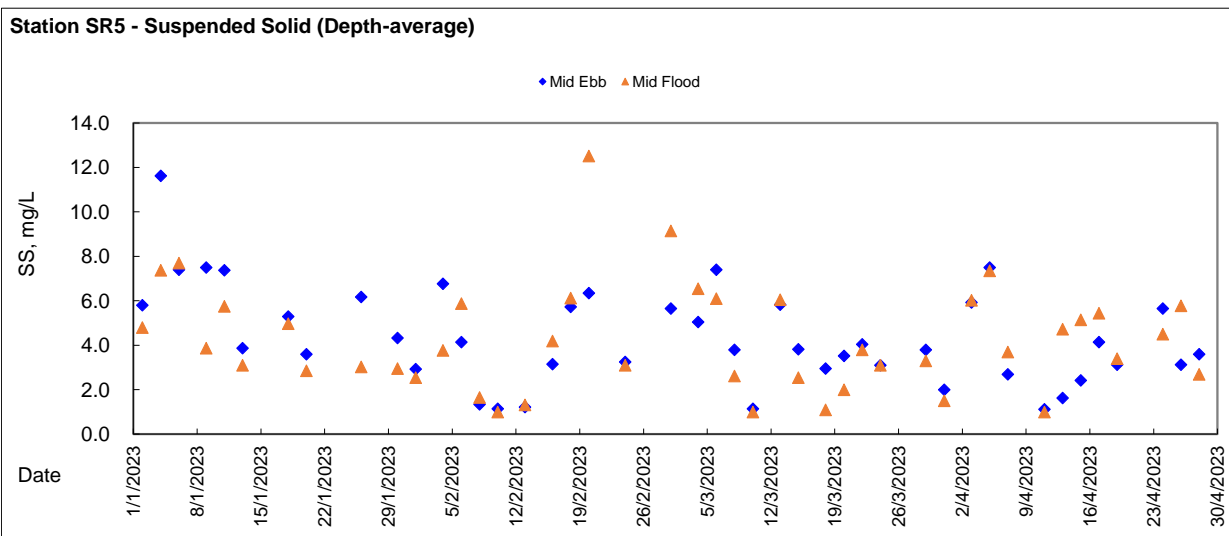
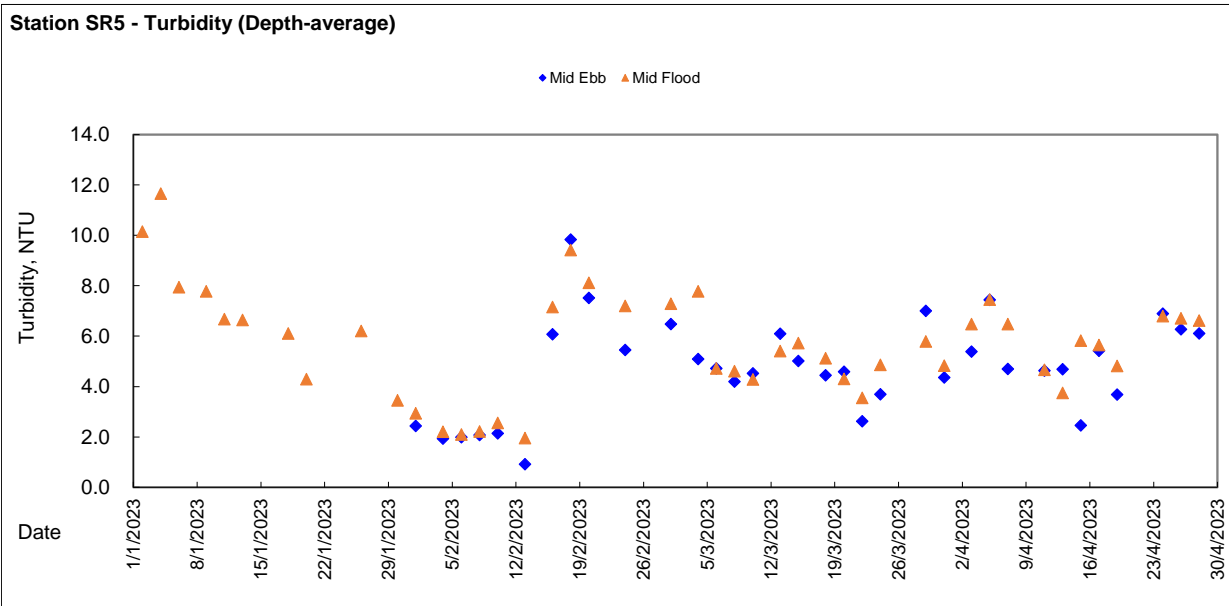
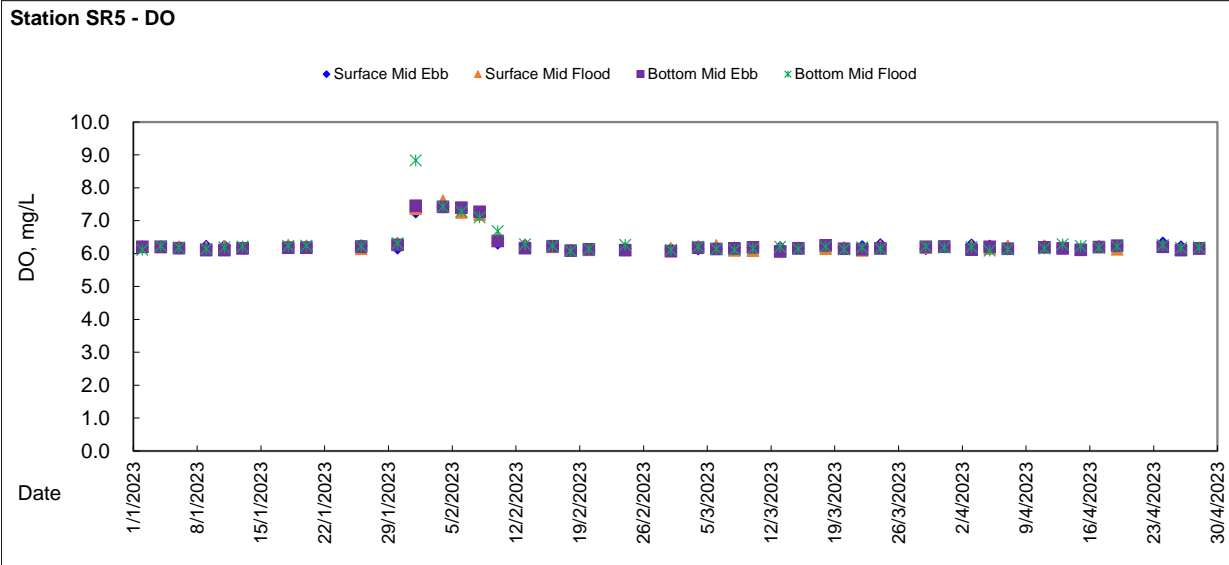


Graphic Presentation of WQM Result





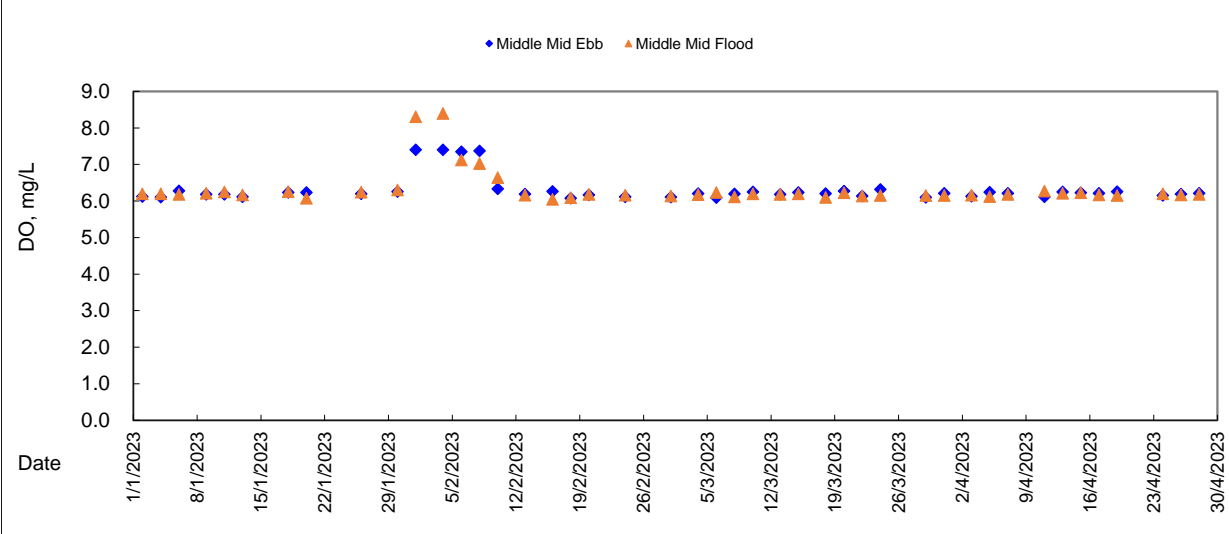
Graphic Presentation of WQM Result



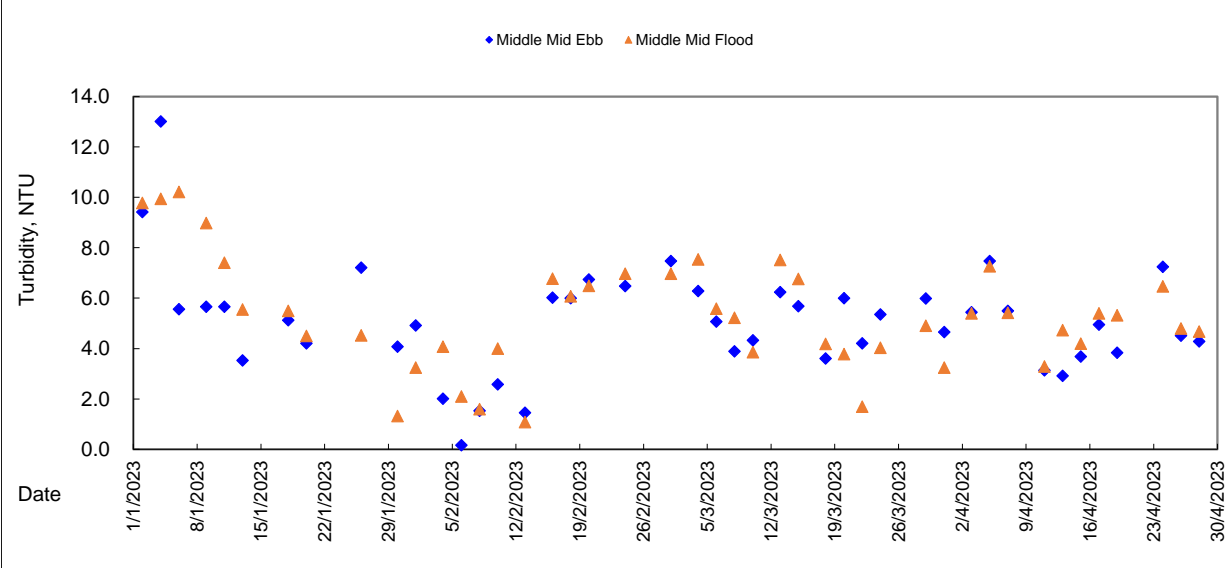


Graphic Presentation of WQM Result

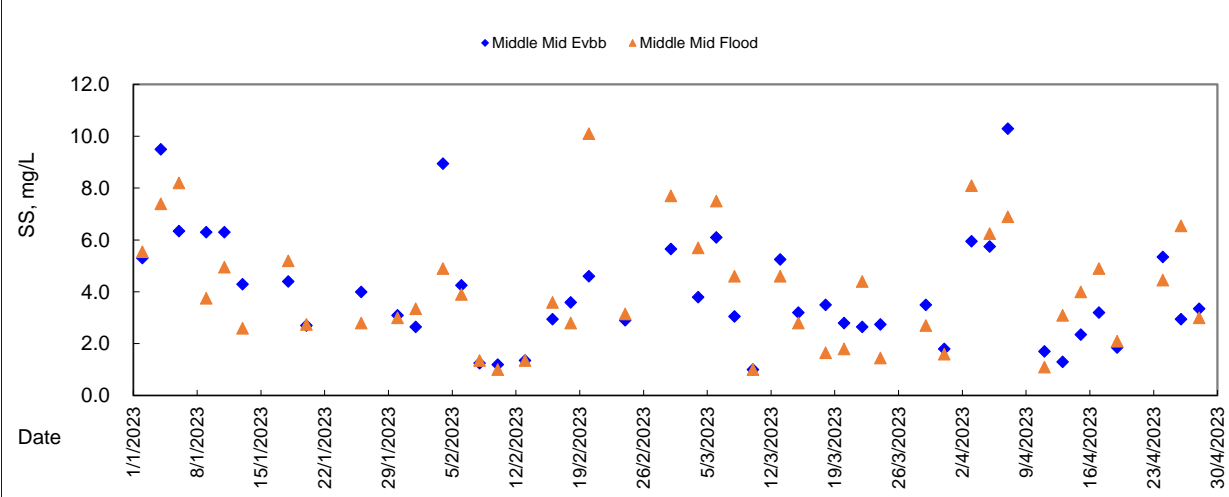
Station SR6 - DO



Station SR6 - Turbidity (Depth-average)



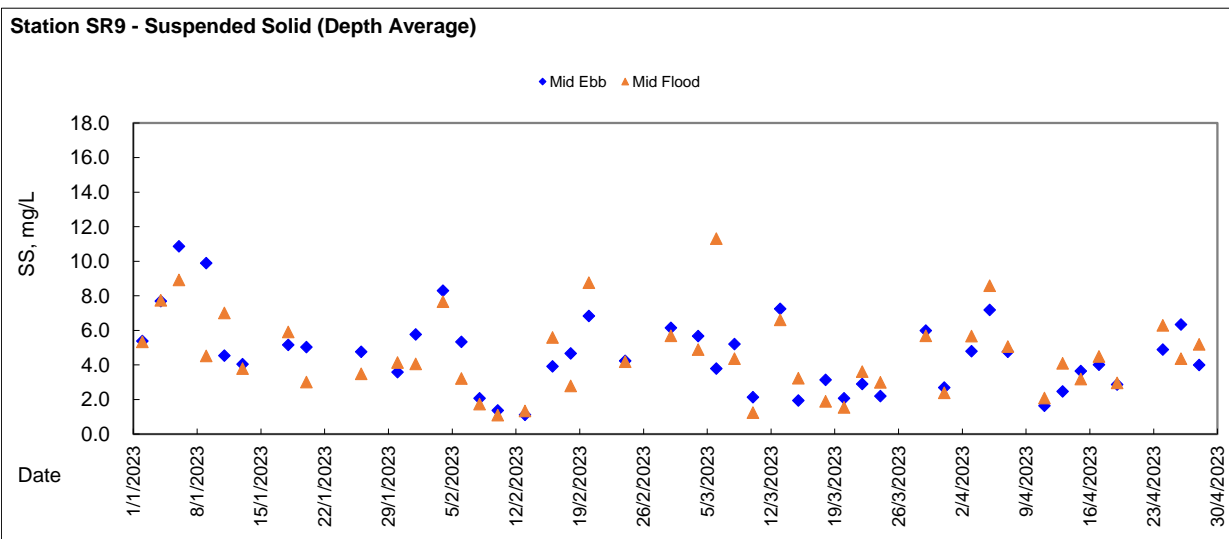
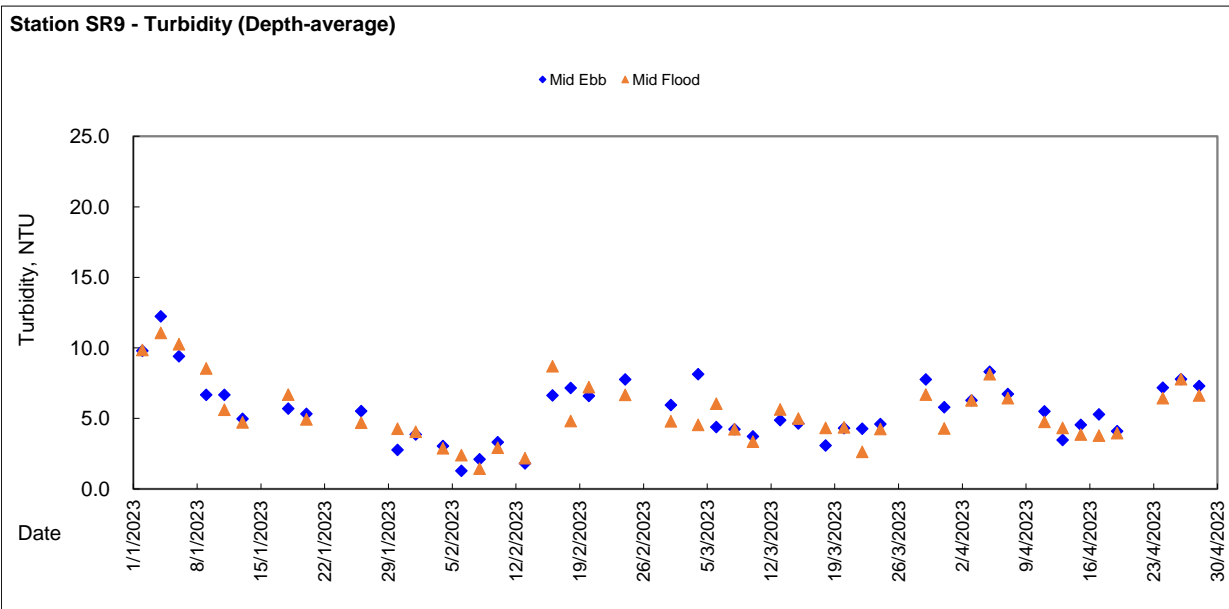
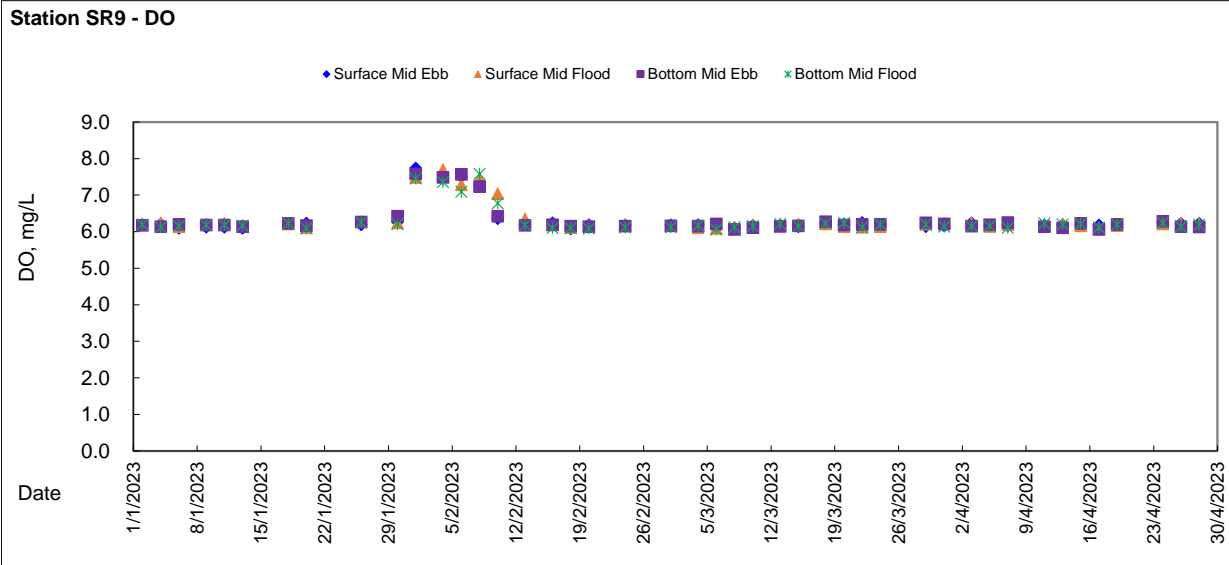
Station SR6 - Suspended Solid (Depth-average)





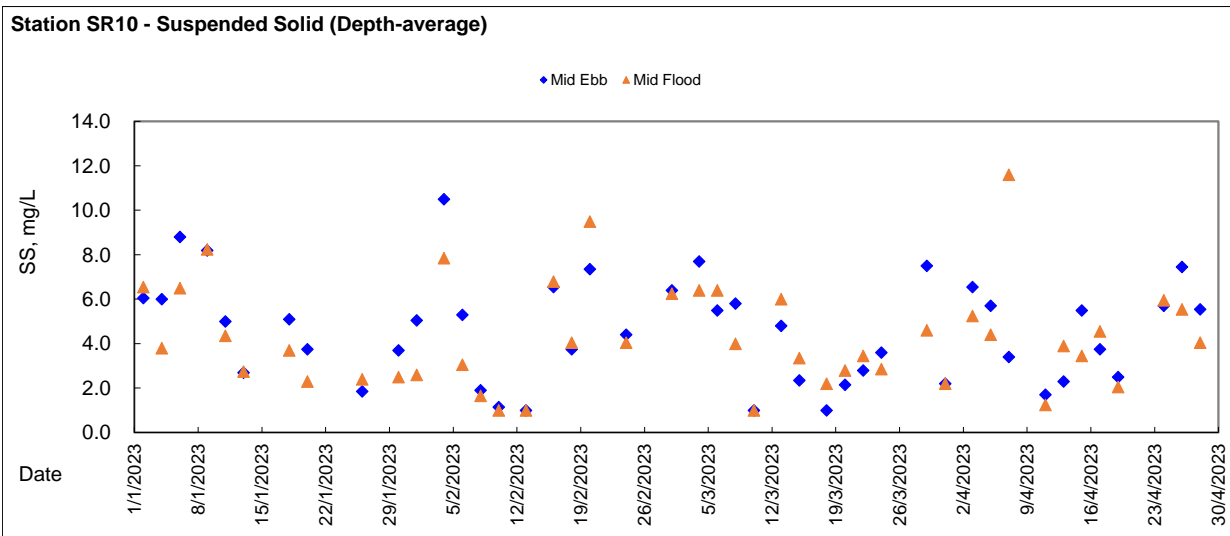
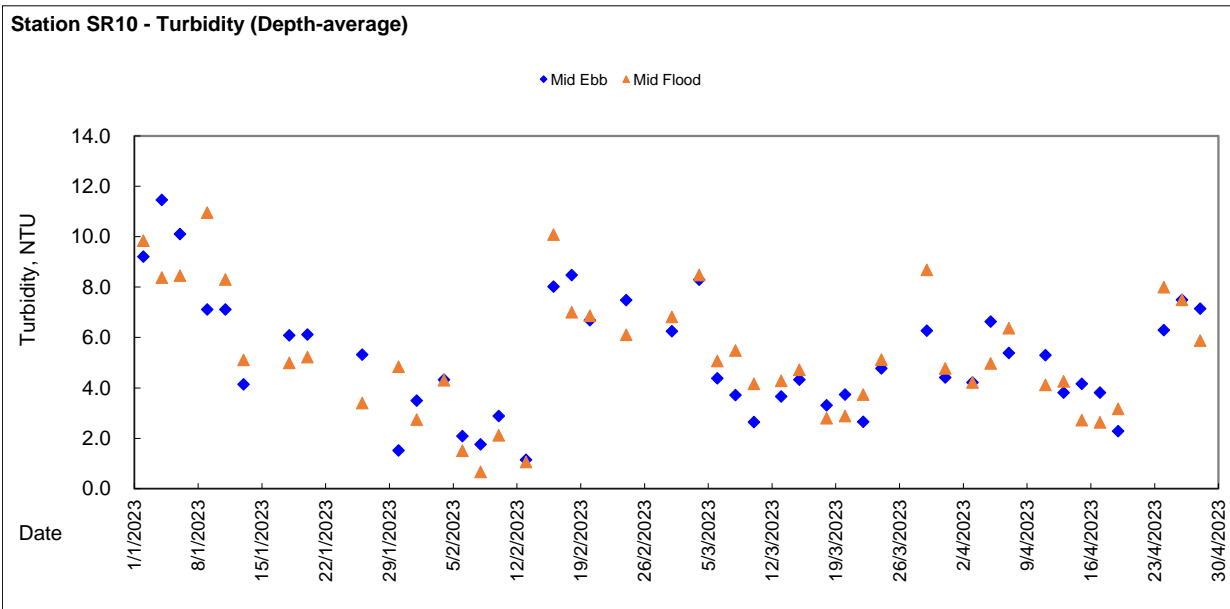
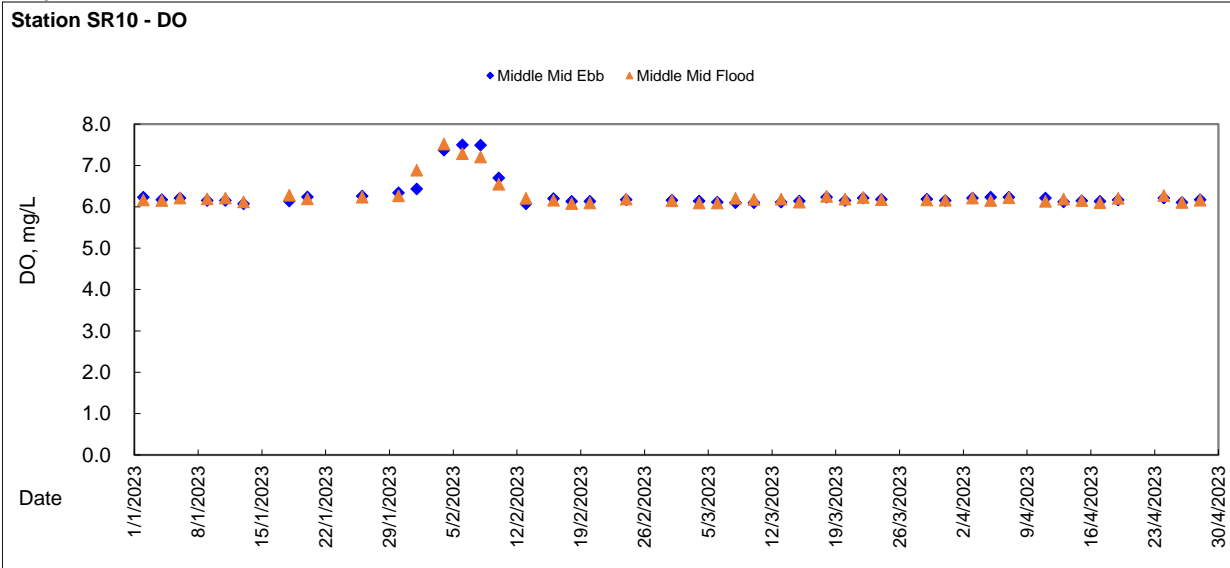


Graphic Presentation of WQM Result



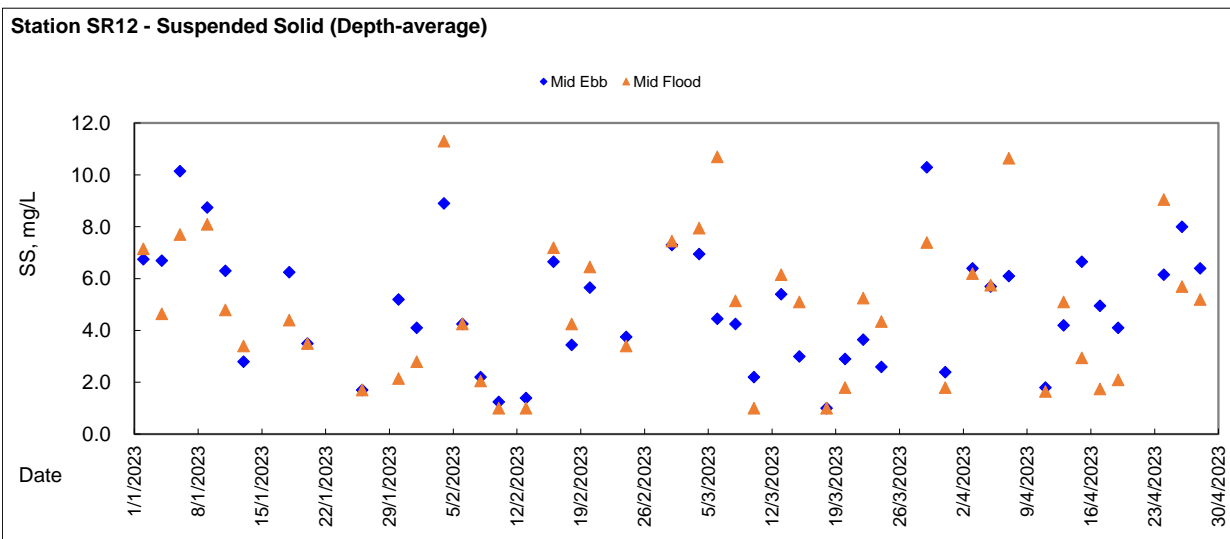
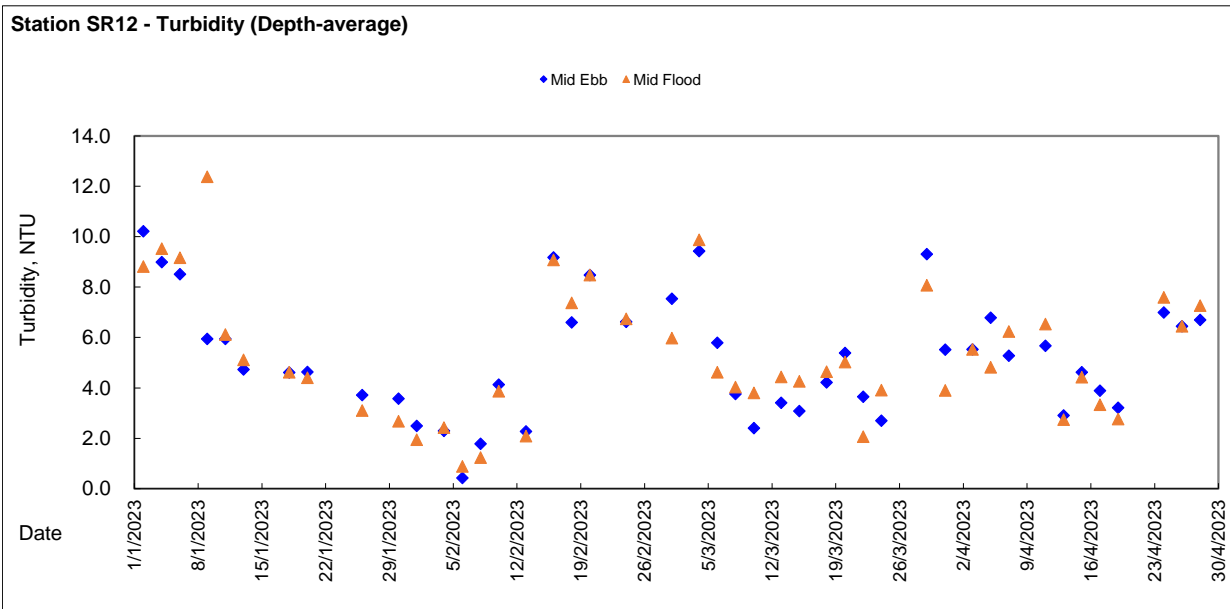
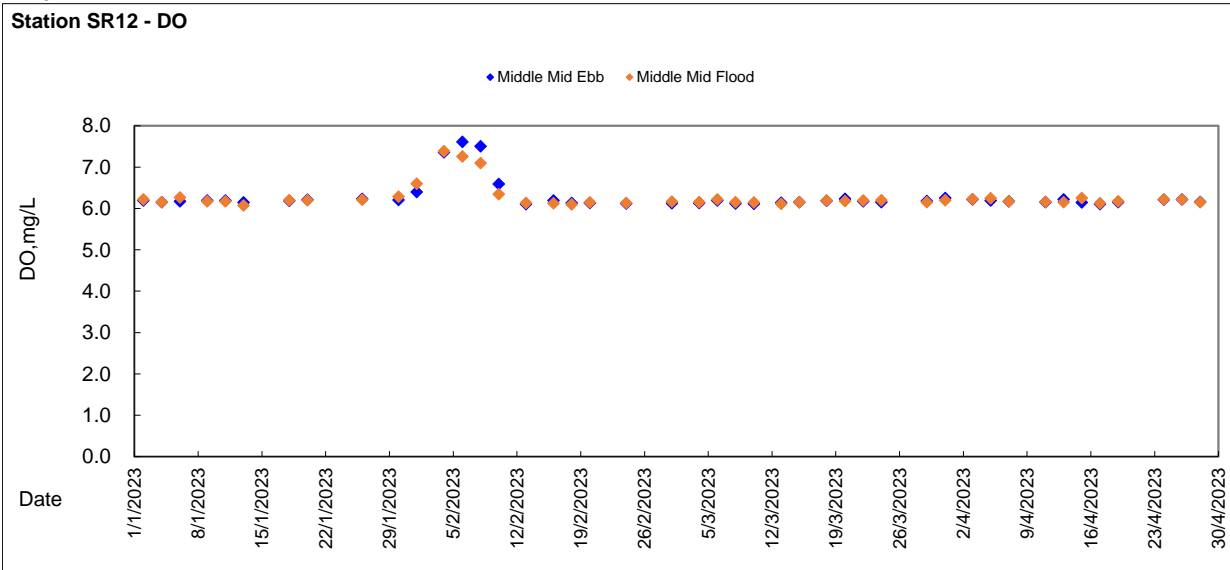


Graphic Presentation of WQM Result



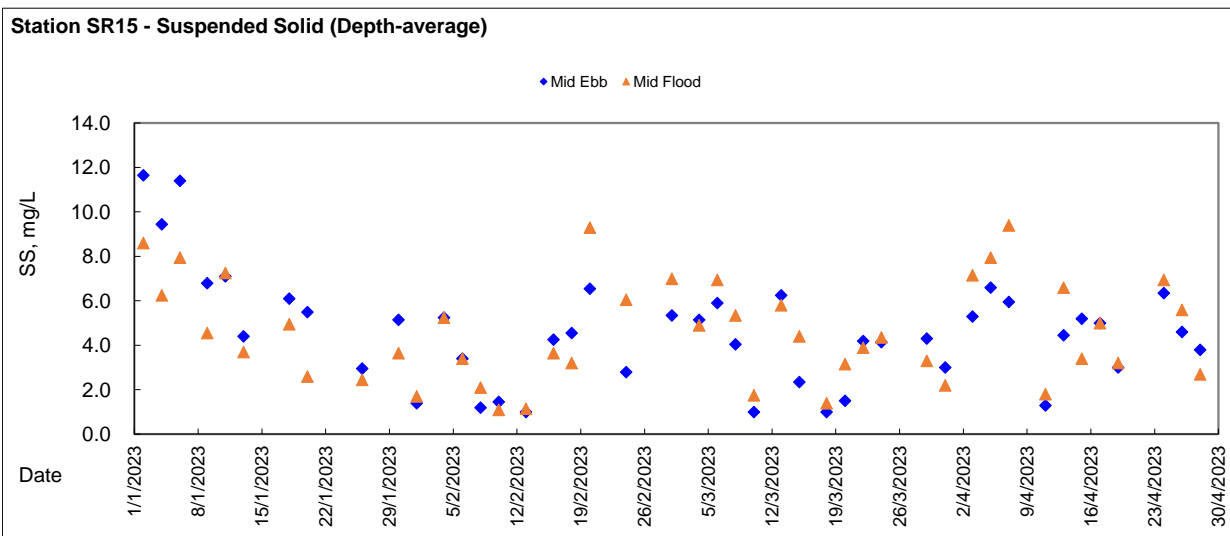
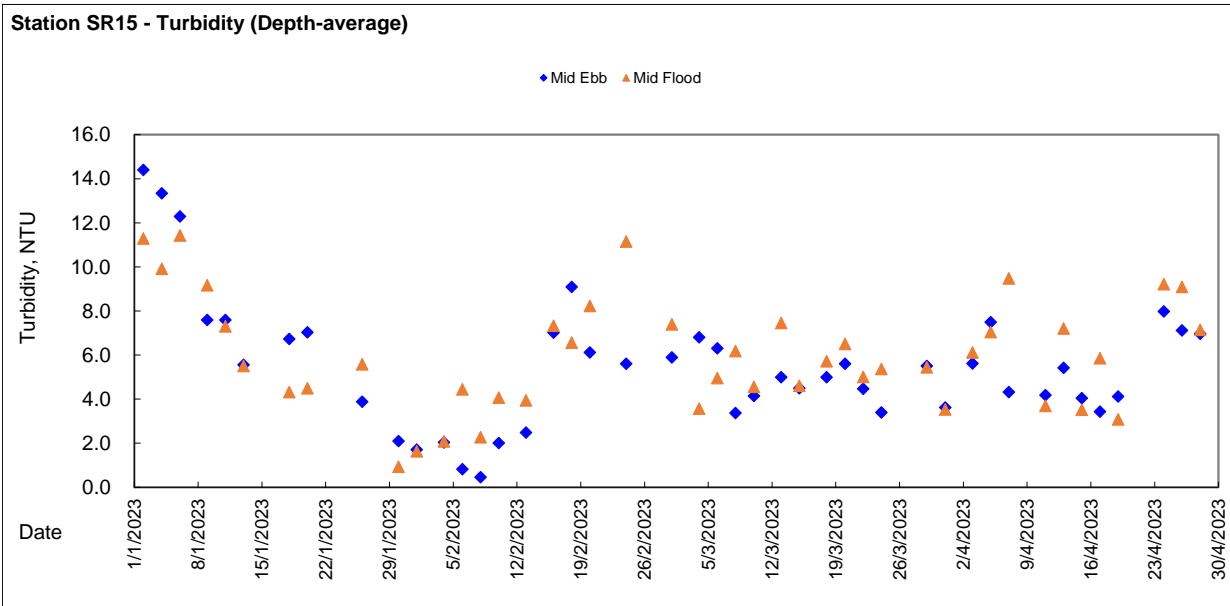
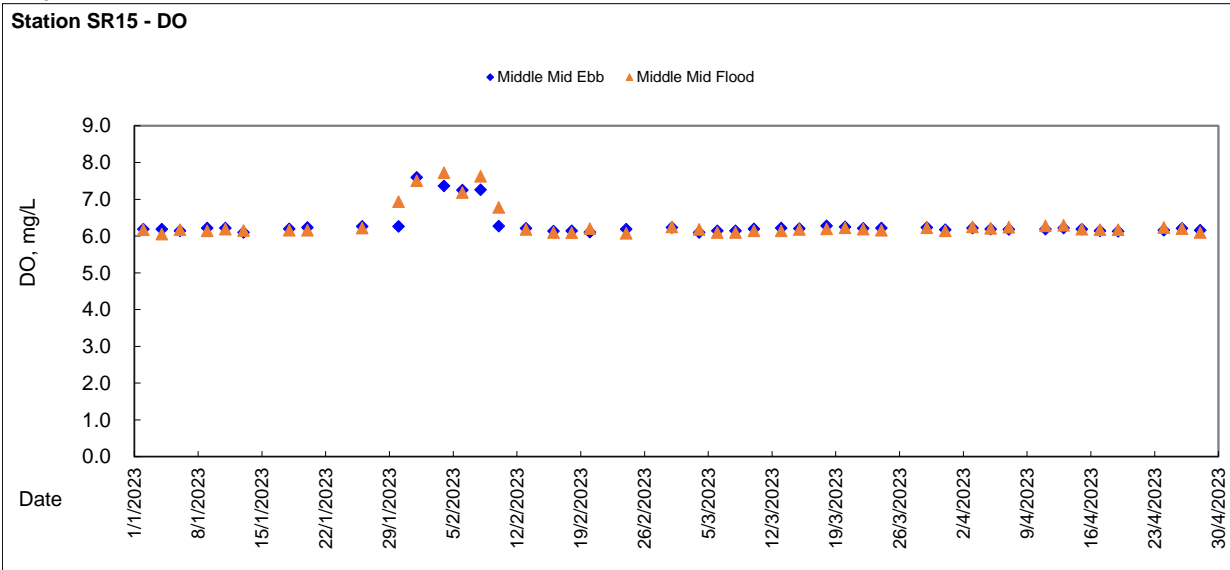


Graphic Presentation of WQM Result





Graphic Presentation of WQM Result





## Impact Water Quality Monitoring at Station SR4 (surface) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						SR4	1/2/2023	Fine	18:17	3.5	1.0	18.20	18.20	8.48	8.48	32.40	32.40	99.90	100.00	7.75	7.76
	18:18	3.5	1.0	18.20	18.20	8.48	8.48	32.39	32.39	99.90	100.00	7.77	7.77	4.53	4.53	5.5	5.5				
	4/2/2023	Cloudy	12:18	3.2	1.0	17.50	17.50	8.59	8.59	32.20	32.20	93.50	93.80	7.37	7.40	1.55	1.62	4.2	4.4		
	12:19	3.2	1.0	17.50	17.50	8.59	8.59	32.20	32.20	93.50	93.80	7.37	7.42	1.68	1.68	4.6	4.6				
	6/2/2023	Cloudy	12:46	3.2	1.0	18.50	18.45	8.55	8.55	32.28	32.28	95.20	94.15	7.38	7.30	0.26	0.32	3.4	3.6		
	12:47	3.2	1.0	18.40	18.40	8.54	8.54	32.28	32.28	93.10	93.10	7.21	7.21	0.37	0.37	3.7	3.7				
	8/2/2023	Cloudy	13:47	3.6	1.0	18.30	18.35	8.55	8.55	32.31	32.32	93.00	94.25	7.26	7.36	3.02	3.10	1.8	1.7		
	13:48	3.6	1.0	18.40	18.40	8.54	8.54	32.32	32.32	95.50	95.50	7.45	7.45	3.17	3.17	1.5	1.5				
	10/2/2023	Cloudy	14:47	3.5	1.0	19.20	19.25	8.42	8.42	32.30	32.30	83.40	82.45	6.43	6.34	4.25	4.23	1.6	1.6		
	14:48	3.5	1.0	19.30	19.30	8.41	8.41	32.30	32.30	81.50	81.50	6.25	6.25	4.20	4.20	1.6	1.6				
	13/2/2023	Cloudy	17:02	3.4	1.0	20.50	20.50	8.38	8.38	32.29	32.29	83.60	82.80	6.25	6.19	1.06	1.12	<1.0	1.0		
	17:03	3.4	1.0	20.50	20.50	8.37	8.37	32.28	32.28	82.00	82.00	6.13	6.13	1.18	1.18	<1.0	<1.0				
	16/2/2023	Fine	13:48	3.6	1.0	18.20	18.20	8.28	8.28	32.45	32.45	80.30	80.35	6.29	6.28	5.27	5.38	2.8	2.7		
	13:49	3.6	1.0	18.20	18.20	8.28	8.28	32.44	32.44	80.40	80.40	6.27	6.27	5.49	5.49	2.5	2.5				
	18/2/2023	Fine	10:20	3.4	1.0	18.50	18.45	8.17	8.17	32.51	32.52	78.30	77.30	6.14	6.07	9.04	9.09	5.6	5.4		
	10:21	3.4	1.0	18.40	18.40	8.16	8.16	32.52	32.52	78.30	78.30	6.00	6.00	9.13	9.13	5.2	5.2				
	20/2/2023	Fine	12:48	3.5	1.0	19.00	18.95	8.22	8.22	32.66	32.66	80.30	79.40	6.17	6.13	6.55	6.44	5.1	5.3		
	12:49	3.5	1.0	18.90	18.90	8.22	8.22	32.65	32.65	78.50	78.50	6.09	6.09	6.32	6.32	5.5	5.5				
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/2/2023	Fine	14:49	3.6	1.0	19.70	19.70	8.22	8.22	32.84	32.84	81.40	80.40	6.19	6.14	6.05	6.09	3.7	3.6		
	14:50	3.6	1.0	19.70	19.70	8.22	8.22	32.84	32.84	79.40	79.40	6.09	6.09	6.13	6.13	6.09	6.09	3.4	3.4		
	27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR4 (surface) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						SR4	1/2/2023	Fine	9:20	3.3	1.0	17.10	17.10	8.38	8.38	32.27	32.28	93.20	93.55	7.40	7.44
	9:21	3.3	1.0	17.10	17.10	8.38	8.38	32.28	32.28	93.90	93.90	7.47	7.47	2.21	2.21	3.1	3.1				
	4/2/2023	Cloudy	7:21	3.3	1.0	17.60	17.60	8.54	8.54	32.27	32.27	97.40	98.10	7.63	7.70	3.92	3.95	2.6	2.7		
	7:22	3.3	1.0	17.60	17.60	8.54	8.54	32.27	32.27	98.90	98.90	7.77	7.77	3.98	3.98	2.6	2.6				
	6/2/2023	Cloudy	7:50	3.3	1.0	18.10	18.10	8.44	8.44	32.21	32.21	93.30	92.65	7.30	7.24	4.12	4.19	2.8	3.0		
	7:51	3.3	1.0	18.10	18.10	8.43	8.43	32.22	32.22	92.00	92.00	7.18	7.18	4.25	4.25	3.2	3.2				
	8/2/2023	Cloudy	8:20	3.4	1.0	18.20	18.15	8.49	8.50	32.31	32.32	98.80	98.15	7.67	7.64	4.37	4.32	1.8	1.7		
	8:21	3.4	1.0	18.10	18.10	8.50	8.50	32.32	32.32	97.50	97.50	7.60	7.60	4.27	4.27	1.5	1.5				
	10/2/2023	Cloudy	8:20	3.1	1.0	18.80	18.80	8.39	8.39	32.31	32.31	90.10	88.05	6.98	6.82	5.27	5.27	<1.0	1.0		
	8:21	3.1	1.0	18.80	18.80	8.39	8.39	32.31	32.31	86.00	86.00	6.66	6.66	5.26	5.26	<1.0	<1.0				
	13/2/2023	Cloudy	9:50	3.1	1.0	19.60	19.60	8.30	8.30	32.26	32.26	83.70	82.40	6.37	6.27	2.05	2.02	1.2	1.3		
	9:51	3.1	1.0	19.60	19.60	8.30	8.30	32.26	32.26	81.10	81.10	6.17	6.17	1.98	1.98	1.3	1.3				
	16/2/2023	Fine	8:20	3.3	1.0	17.50	17.55	8.26	8.26	32.58	32.58	79.10	77.90	6.26	6.18	7.62	7.61	6.1	6.0		
	8:21	3.3	1.0	17.60	17.60	8.25	8.25	32.58	32.58	76.70	76.70	6.10	6.10	7.59	7.59	5.8	5.8				
	18/2/2023	Fine	15:48	3.6	1.0	19.10	19.05	8.22	8.22	32.51	32.51	80.40	79.25	6.18	6.12	6.42	6.40	5.2	5.0		
	15:49	3.6	1.0	19.00	19.00	8.22	8.22	32.50	32.50	78.10	78.10	6.05	6.05	6.38	6.38	4.8	4.8				
	20/2/2023	Fine	7:20	3.2	1.0	18.30	18.30	8.15	8.15	32.66	32.66	80.10	78.55	6.27	6.17	8.08	8.13	7.9	7.8		
	7:21	3.2	1.0	18.30	18.30	8.15	8.15	32.65	32.65	77.00	77.00	6.07	6.07	8.17	8.17	7.6	7.6				
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/2/2023	Fine	8:20	3.2	1.0	19.10	19.10	8.15	8.15	32.82	32.83	78.90	79.60	6.05	6.11	9.46	9.37	6.8	6.9		
	8:21	3.2	1.0	19.10	19.10	8.15	8.15	32.83	32.83	80.30	80.30	6.17	6.17	9.28	9.28	7.0	7.0				
	27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR4 (Bottom) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR4	1/2/2023	Fine	18:19	3.5	2.5	17.70	17.70	8.50	8.50	32.28	32.29	100.90	100.70	7.85	7.83	3.41	3.35	4.9	4.7		
			19:20	3.5	2.5	17.70	17.70	8.50	8.50	32.29	32.28	100.50	100.70	7.81	7.83	3.29	3.29	4.5	4.5		
	4/2/2023	Cloudy	12:20	3.2	2.2	17.50	17.50	8.59	8.59	32.28	32.28	94.50	94.15	7.46	7.43	3.83	3.82	3.7	3.6		
			12:21	3.2	2.2	17.50	17.50	8.59	8.59	32.28	32.28	93.80	93.80	7.39	7.39	3.80	3.80	3.4	3.4		
	6/2/2023	Cloudy	12:48	3.2	2.2	18.30	18.30	8.56	8.56	32.28	32.29	95.90	94.85	7.44	7.36	2.70	2.66	4.8	5.0		
			12:49	3.2	2.2	18.30	18.30	8.55	8.55	32.29	32.29	93.80	93.80	7.27	7.27	2.62	2.62	5.2	5.2		
	8/2/2023	Cloudy	14:49	3.5	2.5	18.30	18.30	8.57	8.57	32.30	32.30	93.80	93.10	7.31	7.26	1.64	1.69	1.1	1.2		
			13:50	3.6	2.6	18.30	18.30	8.57	8.57	32.30	32.30	92.40	92.40	7.20	7.20	1.74	1.74	1.3	1.3		
	10/2/2023	Cloudy	14:49	3.5	2.5	19.10	19.10	8.44	8.44	32.32	32.32	80.70	81.50	6.21	6.28	5.58	5.52	1.8	2.0		
			14:50	3.5	2.5	19.10	19.10	8.43	8.43	32.31	32.31	82.30	82.30	6.35	6.35	5.46	5.46	2.2	2.2		
	13/2/2023	Cloudy	17:04	3.4	2.4	19.90	19.95	8.39	8.39	32.31	32.31	80.30	80.90	6.08	6.14	2.62	2.60	1.7	1.6		
			17:05	3.4	2.4	20.00	19.95	8.39	8.39	32.30	32.30	81.50	81.50	6.20	6.14	2.58	2.60	1.5	1.5		
	16/2/2023	Fine	13:50	3.4	2.6	18.30	18.30	8.28	8.28	32.52	32.52	78.90	77.85	6.20	6.14	5.53	5.42	3.8	3.6		
			13:51	3.6	2.6	-	18.30	8.27	8.27	32.52	32.52	76.80	76.80	6.07	6.07	5.30	5.30	3.4	3.4		
	18/2/2023	Fine	10:22	3.4	2.4	18.50	18.50	8.18	8.18	32.52	32.52	79.40	78.05	6.19	6.12	11.25	11.29	6.0	6.2		
			10:23	3.4	2.4	18.50	18.50	8.18	8.18	32.52	32.52	76.70	76.70	6.04	6.04	11.32	11.32	6.4	6.4		
	20/2/2023	Fine	12:50	3.5	2.5	18.90	18.90	8.22	8.22	32.66	32.66	79.70	78.50	6.15	6.10	8.15	8.17	8.1	7.9		
			12:51	3.5	2.5	18.90	18.90	8.21	8.21	32.66	32.66	77.30	77.30	6.04	6.10	8.20	8.17	7.6	7.6		
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/2/2023	Fine	14:51	3.6	2.6	19.60	19.60	8.22	8.22	32.80	32.80	79.90	79.65	6.10	6.12	8.01	8.00	4.6	4.5		
14:52			3.6	2.6	19.60	19.60	8.22	8.22	32.80	32.80	79.40	79.40	6.14	6.12	7.98	7.98	4.4	4.4			
27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																			

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR4 (Bottom) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR4	1/2/2023	Fine	9:22	3.3	2.3	17.20	17.20	8.39	8.39	32.30	32.30	91.20	91.60	7.25	7.28	4.01	4.07	4.4	4.2		
			9:23	3.3	2.3	17.20	17.20	8.38	8.38	32.29	32.30	92.00	91.60	7.30	7.28	4.12	4.07	3.9	3.9		
	4/2/2023	Cloudy	7:23	3.3	2.3	17.50	17.50	8.56	8.56	32.28	32.27	97.90	97.10	7.73	7.67	2.32	2.36	3.5	3.4		
			7:24	3.3	2.3	17.50	17.50	8.55	8.55	32.26	32.27	96.30	96.30	7.60	7.67	2.40	2.36	3.2	3.2		
	6/2/2023	Cloudy	7:52	3.3	2.3	18.20	18.20	8.47	8.47	32.32	32.32	91.40	91.05	7.14	7.12	4.10	4.10	4.3	4.5		
			7:53	3.3	2.3	18.20	18.20	8.47	8.47	32.32	32.32	90.70	90.70	7.09	7.12	4.09	4.10	4.6	4.6		
	8/2/2023	Cloudy	8:22	3.4	2.4	18.20	18.20	8.50	8.50	32.30	32.31	95.00	95.75	7.45	7.51	2.56	2.58	1.1	1.2		
			8:23	3.4	2.4	18.20	18.20	8.50	8.50	32.31	32.31	96.50	96.50	7.56	7.51	2.60	2.58	1.3	1.3		
	10/2/2023	Cloudy	8:22	3.1	2.1	18.80	18.80	8.39	8.39	32.30	32.31	87.80	88.65	6.80	6.87	6.54	6.49	2.0	1.9		
			8:23	3.1	2.1	18.80	18.80	8.39	8.39	32.31	32.31	89.50	89.50	6.93	6.87	6.43	6.49	1.7	1.7		
	13/2/2023	Cloudy	9:52	3.1	2.1	19.50	19.50	8.30	8.30	32.28	32.29	82.40	81.95	6.28	6.25	3.02	3.10	1.8	1.8		
			9:53	3.1	2.1	19.50	19.50	8.29	8.29	32.29	32.29	81.50	81.50	6.21	6.25	3.18	3.10	1.8	1.8		
	16/2/2023	Fine	8:22	3.3	2.3	17.90	17.90	8.26	8.26	32.52	32.52	77.00	78.15	6.08	6.15	10.85	10.78	6.7	6.9		
			8:23	3.3	2.3	17.90	17.90	8.26	8.26	32.52	32.52	79.30	79.30	6.22	6.15	10.71	10.78	7.1	7.1		
	18/2/2023	Fine	15:50	3.6	2.6	18.70	18.75	8.23	8.23	32.54	32.54	77.20	78.05	6.01	6.07	8.51	8.45	6.3	6.5		
			15:51	3.6	2.6	18.80	18.80	8.23	8.23	32.54	32.54	78.90	78.90	6.12	6.07	8.39	8.45	6.7	6.5		
	20/2/2023	Fine	7:22	3.2	2.2	18.30	18.35	8.16	8.16	32.66	32.66	79.20	77.85	6.18	6.11	10.12	10.08	10.1	10.4		
			7:23	3.2	2.2	18.40	18.40	8.15	8.15	32.66	32.66	76.50	76.50	6.04	6.11	10.03	10.08	10.7	10.4		
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/2/2023	Fine	8:22	3.2	2.2	19.10	19.10	8.15	8.15	32.83	32.83	77.90	79.25	6.07	6.17	9.48	9.39	4.6	4.8		
8:23			3.2	2.2	19.10	19.10	8.15	8.15	32.82	32.83	80.60	80.60	6.26	6.17	9.29	9.39	5.0	5.0			
27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																			

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR5 (surface) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						WQM was cancelled due to adverse weather															
SR5	1/2/2023	Fine	18:08	4.2	1.0	18.00	18.05	8.43	8.44	32.35	32.35	94.30	93.95	7.29	7.27	1.44	1.56	2.7	2.6		
			18:09	4.2	1.0	18.10		8.44		32.34		93.60		7.24		1.68		2.4			
	4/2/2023	Cloudy	12:08	4.3	1.0	17.50	17.45	8.58	8.58	32.23	32.24	93.90	93.65	7.43	7.41	1.75	1.76	6.3	6.1		
			12:09	4.3	1.0	17.40		8.54		32.24		93.40		7.39		1.76		5.3			
	6/2/2023	Cloudy	12:37	4.1	1.0	18.40	18.40	8.54	8.54	32.29	32.29	96.70	94.35	7.43	7.33	1.47	1.45	3.6	3.5		
			12:38	4.1	1.0	18.40		8.54		32.28		93.00		7.22		1.43		3.4			
	8/2/2023	Cloudy	14:37	4.7	1.0	18.40	18.40	8.53	8.53	32.30	32.30	93.00	92.50	7.23	7.20	3.04	3.10	1.2	1.3		
			13:39	4.5	1.0	18.40		8.53		32.30		92.00		7.16		3.15		1.4			
	10/2/2023	Cloudy	14:37	4.7	1.0	19.20	19.25	8.43	8.43	32.29	32.30	81.00	82.05	6.24	6.32	2.21	2.30	<1.0	1.0		
			14:38	4.7	1.0	19.30		8.43		32.30		83.10		6.39		2.38		<1.0			
	13/2/2023	Cloudy	16:52	4.5	1.0	20.70	20.70	8.38	8.38	32.28	32.29	83.70	83.15	6.28	6.26	0.48	0.70	<1.0	1.0		
			16:53	4.5	1.0	20.70		8.38		32.29		82.60		6.24		0.92		<1.0			
	16/2/2023	Fine	13:37	4.3	1.0	18.30	18.30	8.27	8.27	32.48	32.49	80.40	79.50	6.29	6.23	5.33	5.37	3.6	3.5		
			13:38	4.7	1.0	18.30		8.27		32.49		78.60		6.16		5.40		3.3			
	18/2/2023	Fine	10:34	4.3	1.0	18.80	18.80	8.20	8.20	32.46	32.47	78.20	77.55	6.10	6.09	8.02	7.97	3.7	3.9		
			10:34	4.3	1.0	19.30		8.19		32.47		76.90		6.08		7.92		4.1			
	20/2/2023	Fine	12:38	4.5	1.0	19.30	19.30	8.19	8.20	32.66	32.66	80.70	79.45	6.20	6.12	8.34	8.28	5.8	6.0		
			12:39	4.5	1.0	19.30		8.20		32.65		78.20		6.04		8.21		6.1			
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/2/2023	#REF!	14:38	4.7	1.0	19.80	19.80	8.23	8.23	32.87	32.87	82.20	81.05	6.23	6.16	5.27	5.23	2.8	3.0		
14:39			4.7	1.0	19.80		8.23		32.87		79.90		6.08		5.19		3.2				
27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																			

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR5 (surface) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L		
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	
						WQM was cancelled due to adverse weather														
SR5	1/2/2023	Fine	9:31	4.1	1.0	17.70	17.70	8.37	8.37	32.27	32.27	92.70	93.30	7.32	7.36	1.55	1.62	1.8	1.8	
			9:32	4.1	1.0	17.70		8.37		32.27		93.90		7.40		1.68		1.8		
	4/2/2023	Cloudy	7:32	4.2	1.0	17.50	17.55	8.56	8.56	32.25	32.25	96.90	96.20	7.67	7.61	2.36	2.38	4.2	4.4	
			7:33	4.2	1.0	17.60		8.55		32.25		95.50		7.54		2.39		4.5		
	6/2/2023	Cloudy	8:01	4.2	1.0	18.10	18.10	8.50	8.50	32.27	32.28	92.90	93.10	7.23	7.26	3.05	3.11	4.6	4.8	
			8:02	4.2	1.0	18.10		8.50		32.28		93.30		7.28		3.16		5.0		
	8/2/2023	Cloudy	8:31	4.4	1.0	18.40	18.35	8.48	8.49	32.26	32.26	93.50	92.00	7.32	7.19	0.92	1.06	2.0	2.0	
			8:32	4.4	1.0	18.30		8.49		32.26		90.50		7.05		1.20		2.0		
	10/2/2023	Cloudy	8:32	4.0	1.0	18.90	18.85	8.37	8.37	32.24	32.24	84.70	84.25	6.53	6.50	2.64	2.70	<1.0	1.0	
			8:33	4.0	1.0	18.80		8.37		32.24		83.80		6.46		2.76		<1.0		
	13/2/2023	Cloudy	10:02	3.9	1.0	19.90	19.85	8.28	8.28	32.20	32.20	81.30	82.15	6.18	6.26	2.05	2.11	<1.0	1.0	
			10:03	3.9	1.0	19.80		8.28		32.20		83.00		6.34		2.16		<1.0		
	16/2/2023	Fine	8:33	4.2	1.0	17.90	17.85	8.25	8.25	32.49	32.49	79.60	79.05	6.24	6.21	7.82	7.72	4.5	4.6	
			8:34	4.2	1.0	17.80		8.25		32.49		78.50		6.17		7.62		4.7		
	18/2/2023	Fine	15:38	4.4	1.0	19.20	19.25	8.23	8.23	32.56	32.56	78.00	79.40	6.05	6.11	8.56	8.64	4.2	4.4	
			15:39	4.4	1.0	19.30		8.23		32.55		80.80		6.17		8.72		4.6		
	20/2/2023	Fine	7:33	4.3	1.0	18.60	18.60	8.16	8.16	32.66	32.66	79.00	78.50	6.20	6.12	8.84	8.87	13.2	13.4	
			7:34	4.3	1.0	18.60		8.16		32.65		78.00		6.03		8.89		13.5		
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																	
	24/2/2023	Fine	8:34	4.2	1.0	19.20	19.15	8.16	8.16	32.83	32.83	80.50	80.15	6.19	6.12	7.01	6.95	3.5	3.4	
8:35			4.2	1.0	19.10		8.16		32.83		79.80		6.05		6.89		3.3			
27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR5 (Bottom) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						WQM was cancelled due to adverse weather															
SR5	1/2/2023	Fine	18:11	4.2	3.2	18.30				32.27	32.28	96.10	7.48	3.29	3.30	3.1	3.3				
			18:12	4.2	3.2	18.30	18.30	8.45	8.45	32.28	32.28	95.20	7.43	3.31	3.30	3.5					
	4/2/2023	Cloudy	12:11	4.3	3.3	17.40	17.40	8.62	8.62	32.25	32.25	93.50	7.40	2.06	2.10	7.3	7.5				
			12:12	4.3	3.3	17.40		8.61		32.25	32.25	94.10	7.45	2.13	2.10	7.6					
	6/2/2023	Cloudy	12:40	4.1	3.1	18.20	18.25	8.56	8.56	32.30	32.30	93.80	7.29	2.55	2.52	4.6	4.8				
			12:41	4.1	3.1	18.30		8.55		32.29	32.30	96.30	7.50	2.48	2.48	5.0					
	8/2/2023	Cloudy	13:41	4.5	3.5	18.40	18.40	8.54	8.54	32.31	32.31	91.60	7.17	2.06	1.05	1.2	1.4				
			13:42	4.5	3.5	18.40		8.53		32.30	32.30	94.50	7.37	1.20	1.05	1.6					
	10/2/2023	Cloudy	14:40	4.7	3.7	19.10	19.05	8.46	8.46	32.30	32.31	84.20	6.47	6.39	1.91	1.97	1.6	1.3			
			14:41	4.7	3.7	19.00		8.46		32.31	32.31	82.00	6.30	2.03	1.97	<1.0					
	13/2/2023	Cloudy	16:55	4.5	3.5	20.20	20.25	8.40	8.40	32.27	32.28	81.00	6.11	6.17	1.09	1.13	1.3	1.5			
			16:56	4.5	3.7	20.30		8.39		32.28	32.28	82.30	6.22	1.17	1.17	1.6					
	16/2/2023	Fine	13:40	4.3	3.7	18.20	18.20	8.28	8.25	32.54	32.55	78.70	6.18	6.23	5.76	6.79	3.0	2.9			
			13:41	4.7	3.7	18.20		8.22		32.55	32.55	80.40	6.27	7.81	7.81	2.7					
	18/2/2023	Fine	10:36	4.3	3.3	18.40	18.45	8.20	8.20	32.55	32.55	78.90	6.14	6.09	11.73	11.69	7.7	7.6			
			10:37	4.3	3.3	18.50		8.20		32.54	32.54	76.90	6.04	11.64	11.64	7.4					
	20/2/2023	Fine	12:41	4.5	3.5	19.10	19.15	8.22	8.22	32.72	32.72	79.20	6.07	6.13	6.72	6.76	6.6	6.8			
			12:42	4.5	3.5	19.20		8.22		32.72	32.72	80.60	6.19	6.79	6.79	6.9					
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/2/2023	Fine	14:41	4.7	3.7	19.60	19.65	8.22	8.23	32.83	32.83	79.40	6.03	6.11	5.63	5.68	3.4	3.5			
			14:42	4.7	3.7	19.70		8.23		32.83	32.83	81.60	6.18	6.11	5.72	5.68	3.6				
	27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR5 (Bottom) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						WQM was cancelled due to adverse weather															
SR5	1/2/2023	Fine	9:34	4.1	3.1	17.70	17.70	8.40	8.40	32.25	32.26	101.10	8.83	4.27	4.25	3.2	3.3				
			9:35	4.1	3.1	17.70		8.39		32.26	32.26	101.70	8.85	4.23	4.25	3.4					
	4/2/2023	Cloudy	7:35	4.2	3.2	17.50	17.55	8.57	8.57	32.25	32.25	93.80	7.41	1.98	2.02	3.0	3.2				
			7:36	4.2	3.2	17.60		8.57		32.25	32.25	94.30	7.45	2.06	2.06	3.4					
	6/2/2023	Cloudy	8:04	4.2	3.2	18.20	18.20	8.51	8.51	32.25	32.25	92.90	7.23	2.28	1.08	1.08	7.1	7.0			
			8:05	4.2	3.2	18.20		8.50		32.25	32.25	94.00	7.33	2.28	1.26	1.26	6.8				
	8/2/2023	Cloudy	8:34	4.4	3.4	18.40	18.40	8.50	8.50	32.30	32.30	92.30	7.21	7.11	3.33	3.36	1.4	1.3			
			8:35	4.4	3.4	18.40		8.49		32.30	32.30	89.70	7.00	3.39	3.39	1.2					
	10/2/2023	Cloudy	8:35	4.0	3.0	18.80	18.80	8.40	8.40	32.30	32.30	85.80	6.65	6.69	2.44	2.42	<1.0	1.0			
			8:36	4.0	3.0	18.80		8.39		32.29	32.30	87.10	6.72	2.39	2.39	<1.0					
	13/2/2023	Cloudy	10:04	3.9	2.9	19.80	19.80	8.31	8.31	32.29	32.29	83.50	6.29	6.28	1.76	1.79	1.5	1.7			
			10:05	3.9	2.9	19.80		8.30		32.29	32.29	83.00	6.27	1.82	1.82	1.8					
	16/2/2023	Fine	8:36	4.2	3.2	18.20	18.15	8.26	8.26	32.51	32.51	80.30	6.29	6.23	6.63	6.58	4.0	3.8			
			8:37	4.2	3.2	18.10		8.25		32.50	32.50	78.50	6.17	6.53	6.53	3.6					
	18/2/2023	Fine	15:41	4.4	3.4	18.70	18.75	8.24	8.24	32.55	32.55	79.00	6.14	6.08	10.14	10.19	8.1	7.9			
			15:42	4.4	3.4	18.80		8.24		32.54	32.55	77.20	6.02	10.24	10.24	7.6					
	20/2/2023	Fine	7:36	4.3	3.3	18.70	18.65	8.17	8.17	32.66	32.66	78.60	6.11	6.14	7.44	7.36	11.8	11.7			
			7:37	4.3	3.3	18.60		8.17		32.66	32.66	80.00	6.17	7.27	7.27	11.6					
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/2/2023	Fine	8:37	4.2	3.2	19.30	19.25	8.18	8.18	32.85	32.85	83.50	6.24	6.27	7.58	7.45	3.0	2.8			
			8:38	4.2	3.2	19.20		8.17		32.84	32.85	83.00	6.30	7.31	7.31	2.6					
	27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.





## Impact Water Quality Monitoring at Station SR6 (Middle) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						WQM was cancelled due to adverse weather															
SR6	1/2/2023	Fine	17:59	2.6	1.3	18.40	18.40	8.44	8.44	32.33	32.33	96.20	7.44	7.41	4.96	4.92	2.8	2.7			
			18:30	2.6	1.3	18.40	18.40	8.43	8.43	32.33	32.33	95.10	7.37	7.41	4.87	4.92	2.5	2.5			
	4/2/2023	Cloudy	11:59	2.4	1.2	17.40	17.40	8.62	8.62	32.23	32.23	93.70	7.41	7.41	1.92	2.01	8.8	9.0			
			12:00	2.4	1.2	17.40	17.40	8.61	8.61	32.23	32.23	93.60	7.40	7.41	2.10	2.10	9.1	9.1			
	6/2/2023	Cloudy	12:28	2.3	1.2	18.50	18.50	8.53	8.53	32.36	32.36	94.70	7.35	7.35	0.10	0.16	4.1	4.3			
			12:29	2.3	1.2	18.50	18.50	8.53	8.53	32.35	32.36	97.30	7.35	7.35	0.21	0.21	4.4	4.4			
	8/2/2023	Cloudy	13:29	2.6	1.3	18.40	18.45	8.51	8.51	32.27	32.28	95.80	7.49	7.37	1.44	1.52	1.1	1.3			
			13:30	2.6	1.3	18.50	18.45	8.51	8.51	32.28	32.28	92.80	7.25	7.37	1.60	1.60	1.4	1.4			
	10/2/2023	Cloudy	14:29	2.5	1.3	19.00	19.05	8.45	8.45	32.30	32.31	83.40	6.40	6.34	2.55	2.58	1.2	1.2			
			14:30	2.5	1.3	19.10	19.05	8.45	8.45	32.31	32.31	81.60	6.27	6.34	2.60	2.60	1.2	1.2			
	13/2/2023	Cloudy	16:43	2.5	1.3	20.50	20.50	8.35	8.35	32.22	32.22	83.30	6.24	6.19	1.46	1.45	1.5	1.4			
			16:44	2.5	1.4	20.50	20.50	8.34	8.34	32.22	32.22	81.30	6.14	6.19	1.44	1.44	1.2	1.2			
	16/2/2023	Fine	13:29	2.4	1.4	18.20	18.20	8.29	8.29	32.55	32.55	80.30	6.29	6.27	5.96	6.02	2.8	3.0			
			13:30	2.7	1.4	18.20	18.20	8.29	8.29	32.54	32.54	79.60	6.24	6.27	6.08	6.02	3.1	3.1			
	18/2/2023	Fine	10:41	2.4	1.2	18.80	18.80	8.21	8.21	32.46	32.47	76.70	6.01	6.08	5.91	5.99	3.6	3.6			
			10:42	2.4	1.2	18.80	18.80	8.20	8.20	32.47	32.47	79.20	6.15	6.07	6.07	6.07	3.6	3.6			
	20/2/2023	Fine	12:29	2.6	1.3	19.40	19.40	8.23	8.23	32.66	32.67	80.80	6.18	6.17	6.73	6.74	4.4	4.4			
			12:30	2.6	1.3	19.40	19.40	8.23	8.23	32.67	32.67	79.30	6.15	6.17	6.75	6.74	4.8	4.6			
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/2/2023	Fine	14:29	2.8	1.4	19.50	19.50	8.22	8.22	32.83	32.84	81.50	6.22	6.12	6.55	6.48	3.0	2.9			
			14:30	2.8	1.4	19.50	19.50	8.21	8.21	32.84	32.84	79.60	6.01	6.12	6.41	6.48	2.8	2.8			
	27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR6 (Middle) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG		
						WQM was cancelled due to adverse weather															
SR6	1/2/2023	Fine	9:40	2.5	1.3	18.80	18.80	8.39	8.39	32.36	32.36	106.60	8.28	8.31	3.20	3.24	3.6	3.4			
			9:41	2.5	1.3	18.80	18.80	8.39	8.39	32.35	32.36	108.00	8.34	8.31	3.28	3.24	3.1	3.1			
	4/2/2023	Cloudy	7:42	2.5	1.3	17.50	17.50	8.56	8.56	32.26	32.26	93.50	7.38	7.40	4.12	4.08	4.7	4.9			
			7:43	2.5	1.3	17.50	17.50	8.56	8.56	32.25	32.26	93.80	7.38	7.40	4.03	4.08	5.1	4.9			
	6/2/2023	Cloudy	8:10	2.5	1.3	18.30	18.30	8.50	8.50	32.26	32.27	91.70	7.15	7.13	2.05	2.09	4.1	3.9			
			8:11	2.5	1.3	18.30	18.30	8.50	8.50	32.27	32.27	90.70	7.10	7.13	2.13	2.09	3.7	3.9			
	8/2/2023	Cloudy	8:42	2.5	1.3	18.40	18.40	8.50	8.50	32.29	32.29	91.20	7.13	7.03	1.57	1.59	1.1	1.4			
			8:43	2.5	1.3	18.40	18.40	8.50	8.50	32.29	32.29	88.50	6.92	7.03	1.60	1.60	1.6	1.4			
	10/2/2023	Cloudy	8:40	2.3	1.2	19.00	19.00	8.42	8.42	32.27	32.27	86.50	6.68	6.64	4.02	4.00	<1.0	1.0			
			8:41	2.3	1.2	19.00	19.00	8.42	8.42	32.27	32.27	85.30	6.60	6.64	3.98	4.00	<1.0	1.0			
	13/2/2023	Cloudy	14:10	2.3	1.2	20.00	19.95	8.31	8.31	32.27	32.27	80.30	6.10	6.16	0.95	1.08	1.2	1.4			
			14:11	2.3	1.2	19.90	19.95	8.30	8.30	32.27	32.27	81.90	6.22	6.16	1.20	1.08	1.5	1.4			
	16/2/2023	Fine	8:40	2.5	1.3	18.10	18.10	8.27	8.27	32.57	32.57	77.00	6.06	6.05	6.70	6.77	3.8	3.6			
			8:41	2.5	1.3	18.10	18.10	8.27	8.27	32.57	32.57	77.10	6.03	6.05	6.83	6.77	3.4	3.4			
	18/2/2023	Fine	15:29	2.6	1.3	19.30	19.30	8.25	8.25	32.48	32.49	79.00	6.04	6.10	6.03	6.08	3.0	2.8			
			15:30	2.6	1.3	19.30	19.30	8.24	8.24	32.49	32.49	80.10	6.15	6.10	6.12	6.08	2.6	2.8			
	20/2/2023	Fine	7:42	2.5	1.3	18.60	18.60	8.18	8.18	32.68	32.68	80.50	6.26	6.19	6.57	6.49	9.9	10.1			
			7:43	2.5	1.3	18.60	18.60	8.18	8.18	32.68	32.68	77.80	6.11	6.19	6.40	6.49	10.3	10.1			
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/2/2023	Fine	8:42	2.5	1.3	19.30	19.30	8.18	8.19	32.85	32.86	81.40	6.23	6.16	6.92	6.97	3.0	3.2			
			8:43	2.5	1.3	19.30	19.30	8.19	8.19	32.86	32.86	79.00	6.09	6.16	7.02	6.97	3.3	3.2			
	27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR9 (surface) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR9	1/2/2023	Fine	17:47	4.2	1.0	17.80		8.37	8.37	32.36	32.39	98.60	98.25	7.78	7.74	4.06	4.03	5.2	5.0		
			17:48	4.2	1.0	17.80		8.37	8.37	32.39	32.39	97.90	98.25	7.70	7.70	4.06	4.03	4.5	4.5		
	4/2/2023	Cloudy	11:48	3.8	1.0	17.50	17.55	8.57	8.57	32.26	32.26	96.70	94.95	7.49	7.46	3.70	3.69	6.4	6.7		
			11:49	3.8	1.0	17.60		8.56	8.56	32.25	32.25	94.20	94.20	7.42	7.42	3.67	3.67	6.9	6.9		
	6/2/2023	Cloudy	12:16	3.8	1.0	18.30	18.25	8.56	8.56	32.27	32.24	96.80	97.40	7.47	7.51	1.72	1.83	5.6	5.8		
			12:17	3.8	1.0	18.20		8.56	8.56	32.20	32.20	98.00	98.00	7.54	7.54	1.93	1.93	6.0	6.0		
	8/2/2023	Cloudy	13:17	4.6	1.0	18.40	18.40	8.53	8.54	32.29	32.30	94.70	93.80	7.34	7.29	1.27	1.32	1.8	1.8		
			13:18	4.6	1.0	18.40		8.54	8.54	32.30	32.30	92.90	92.90	7.23	7.23	1.36	1.36	1.8	1.8		
	10/2/2023	Cloudy	14:18	4.4	1.0	19.20	19.20	8.42	8.42	32.30	32.31	81.30	82.20	6.28	6.36	2.37	2.40	1.5	1.4		
			14:19	4.4	1.0	19.20		8.41	8.41	32.31	32.31	83.10	83.10	6.43	6.43	2.42	2.42	1.2	1.2		
	13/2/2023	Cloudy	16:33	4.4	1.0	20.60	20.55	8.33	8.33	32.23	32.24	83.20	82.80	6.24	6.19	0.93	1.06	<1.0	1.0		
			16:34	4.4	1.0	20.50		8.33	8.33	32.24	32.24	82.40	82.40	6.14	6.14	1.18	1.18	<1.0	<1.0		
	16/2/2023	Fine	13:18	4.2	1.0	18.20	18.20	8.29	8.29	32.49	32.50	79.50	79.45	6.23	6.25	6.11	6.16	4.7	4.9		
			13:19	4.5	1.0	18.20		8.28	8.28	32.50	32.50	79.40	79.40	6.26	6.26	6.20	6.16	5.1	5.1		
	18/2/2023	Fine	10:53	4.2	1.0	18.70	18.70	8.22	8.22	32.46	32.47	78.90	78.20	6.13	6.08	6.04	6.01	4.1	3.9		
			10:54	4.2	1.0	18.70		8.21	8.21	32.47	32.47	77.50	77.50	6.03	6.03	5.97	6.01	3.6	3.6		
	20/2/2023	Fine	12:18	4.5	1.0	19.40	19.40	8.21	8.21	32.69	32.70	80.00	80.55	6.20	6.19	6.51	6.47	6.3	6.1		
			12:19	4.5	1.0	19.40		8.21	8.21	32.70	32.70	81.10	81.10	6.18	6.18	6.42	6.42	5.9	5.9		
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/2/2023	Fine	14:18	4.6	1.0	19.70	19.65	8.21	8.21	32.85	32.85	82.10	81.45	6.23	6.18	6.65	6.67	3.8	3.7		
			14:19	4.6	1.0	19.60		8.21	8.21	32.85	32.85	80.80	80.80	6.13	6.13	6.69	6.67	3.5	3.5		
	27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR9 (surface) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG		
SR9	1/2/2023	Fine	9:52	4.1	1.0	17.90	17.90	8.38	8.39	32.27	32.28	96.70	95.90	7.49	7.49	4.97	4.90	3.5	3.8		
			9:53	4.1	1.0	17.90		8.39	8.39	32.28	32.28	96.10	96.10	7.48	7.48	4.83	4.90	4.0	4.0		
	4/2/2023	Cloudy	7:51	4.0	1.0	17.60	17.60	8.57	8.57	32.27	32.27	97.70	98.80	7.64	7.70	3.60	3.67	7.2	7.1		
			7:52	4.0	1.0	17.60		8.56	8.56	32.26	32.26	99.90	98.80	7.75	7.70	3.73	3.67	6.9	7.1		
	6/2/2023	Cloudy	8:22	4.0	1.0	18.30	18.30	8.54	8.54	32.26	32.48	93.80	93.45	7.32	7.29	2.55	2.51	2.7	2.9		
			8:23	4.0	1.0	18.30		8.54	8.54	32.70	32.48	93.10	93.45	7.25	7.29	2.46	2.51	3.0	3.0		
	8/2/2023	Cloudy	8:51	4.4	1.0	18.40	18.40	8.51	8.51	32.27	32.27	95.40	95.95	7.42	7.47	1.44	1.47	1.8	1.5		
			8:52	4.4	1.0	18.40		8.51	8.51	32.27	32.27	96.50	95.95	7.51	7.47	1.49	1.47	1.2	1.5		
	10/2/2023	Cloudy	8:52	4.0	1.0	19.00	19.00	8.40	8.40	32.30	32.30	91.30	90.40	7.08	7.04	3.80	3.75	1.2	1.1		
			8:53	4.0	1.0	19.00		8.40	8.40	32.29	32.30	89.50	89.50	7.00	7.04	3.69	3.75	1.0	1.1		
	13/2/2023	Cloudy	10:22	3.9	1.0	20.00	20.00	8.30	8.30	32.22	32.22	82.50	83.75	6.31	6.35	0.88	1.07	<1.0	1.0		
			10:23	3.9	1.0	20.00		8.30	8.30	32.22	32.22	85.00	85.00	6.39	6.35	1.25	1.07	<1.0	<1.0		
	16/2/2023	Fine	8:53	4.3	1.0	17.90	17.85	8.28	8.27	32.39	32.39	76.70	77.90	6.10	6.18	7.32	7.38	5.4	5.6		
			8:54	4.3	1.0	17.80		8.27	8.27	32.38	32.38	79.10	79.10	6.26	6.18	7.44	7.38	5.8	5.6		
	18/2/2023	Fine	15:19	4.5	1.0	19.50	19.55	8.23	8.23	32.58	32.57	80.50	79.75	6.18	6.12	4.51	4.45	2.8	3.0		
			15:20	4.5	1.0	19.60		8.22	8.22	32.56	32.57	79.00	79.75	6.05	6.12	4.38	4.45	3.2	3.0		
	20/2/2023	Fine	7:53	4.3	1.0	18.70	18.70	8.18	8.18	32.57	32.58	79.30	79.70	6.15	6.17	6.50	6.39	10.2	10.0		
			7:54	4.3	1.0	18.70		8.18	8.18	32.58	32.58	80.10	80.10	6.18	6.17	6.28	6.39	9.8	9.8		
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/2/2023	Fine	8:54	4.3	1.0	19.30	19.30	8.19	8.19	32.82	32.83	79.20	80.50	6.12	6.20	6.58	6.63	4.0	3.8		
			8:55	4.3	1.0	19.30		8.19	8.19	32.83	32.83	81.80	81.80	6.27	6.20	6.67	6.63	3.6	3.6		
	27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR9 (Bottom) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						°C															
SR9	1/2/2023	Fine	17:50	4.2	3.2	17.70				8.36	8.37	32.37	32.37	97.00	7.82	7.59	3.65	3.69	6.8	6.6	
			17:51	4.2	3.2	17.80	17.75	8.37	8.37	32.37	32.37	96.00	7.55	3.73							
	4/2/2023	Cloudy	11:50	3.8	2.8	17.60	17.60	8.58	8.58	32.28	32.28	96.10	7.48	2.26	2.38	10.1			10.1	10.0	
			11:51	3.8	2.8	17.60		8.58	8.58	32.27	32.27	95.10	7.49	2.40							
	6/2/2023	Cloudy	12:18	3.8	2.8	18.10	18.10	8.57	8.57	32.26	32.26	96.20	7.45	0.63	0.75	5.0			5.0	4.9	
			12:19	3.8	2.8	18.10		8.57	8.57	32.25	32.25	99.70	7.68	0.87							
	8/2/2023	Cloudy	13:20	4.6	3.6	18.40	18.40	8.53	8.52	32.27	32.27	94.00	7.30	7.24	2.85	2.88	2.4			2.4	2.4
			13:21	4.6	3.6	18.40		8.51	8.51	32.26	32.26	92.40	7.17	2.90							
	10/2/2023	Cloudy	14:21	4.4	3.4	19.00	19.00	8.44	8.44	32.31	32.31	84.20	6.50	6.42	4.25	4.22	1.6			1.6	1.4
			14:22	4.4	3.4	19.00		8.44	8.44	32.31	32.31	82.20	6.34	4.18	4.18	4.22	1.2			1.2	
	13/2/2023	Cloudy	16:36	4.4	3.4	20.20	20.20	8.35	8.35	32.24	32.24	80.90	6.10	6.18	2.64	2.56	1.1			1.1	1.3
			16:37	4.4	3.5	20.20		8.34	8.34	32.24	32.24	82.50	6.25	2.48	2.48	2.56	1.4			1.4	
	16/2/2023	Fine	13:21	4.2	3.5	18.40	18.35	8.29	8.29	32.47	32.47	78.20	6.11	6.19	7.12	7.10	3.0			3.0	3.0
			13:22	4.5	3.5	18.30		8.29	8.29	32.47	32.47	80.30	6.27	7.08						2.9	
	18/2/2023	Fine	10:56	4.2	3.2	18.70	18.70	8.22	8.22	32.50	32.50	79.90	6.19	6.16	8.34	8.31	5.7			5.7	5.5
			10:57	4.2	3.2	18.70		8.22	8.22	32.49	32.49	79.50	6.12	6.27						5.3	
	20/2/2023	Fine	12:21	4.5	3.5	19.30	19.35	8.23	8.23	32.68	32.68	89.60	6.19	6.19	6.66	6.70	7.8			7.8	7.6
			12:22	4.5	3.5	19.40		8.22	8.22	32.68	32.68	79.60	6.09	6.14	6.73	6.70	7.4			7.4	
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/2/2023	Fine	14:21	4.6	3.6	19.50	19.45	8.22	8.22	32.84	32.83	80.60	6.13	6.16	8.84	8.84	4.6			4.6	4.9
			14:22	4.6	3.6	19.40		8.21	8.21	32.81	32.83	81.30	6.18	6.18	8.84	8.84	5.1			5.1	
	27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR9 (Bottom) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L				
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	
						°C																
SR9	1/2/2023	Fine	9:55	4.1	3.1	17.80	17.80	8.40	8.40	32.27	32.27	94.20	7.42	3.19	3.22	4.2			4.2	4.4		
			9:56	4.1	3.1	17.80		8.39	8.39	32.27	32.27	95.10	7.49	3.24	3.22	4.6			4.6			
	4/2/2023	Cloudy	7:53	4.0	3.0	17.60	17.60	8.58	8.58	32.29	32.29	94.30	7.29	2.01	2.10	8.2			8.2	8.3		
			7:54	4.0	3.0	17.60		8.58	8.58	32.28	32.29	95.20	7.43	7.36	2.18	2.10	8.4			8.4		
	6/2/2023	Cloudy	8:25	4.0	3.0	18.10	18.10	8.57	8.57	32.26	32.26	91.40	7.12	7.10	2.19	2.28	3.4			3.4	3.6	
			8:26	4.0	3.0	18.10		8.57	8.57	32.26	32.26	90.20	7.07	7.10	2.36					3.8		
	8/2/2023	Cloudy	8:54	4.4	3.4	18.40	18.35	8.50	8.50	32.26	32.26	99.10	7.52	7.59	1.40	1.40	2.2			2.2	2.0	
			8:55	4.4	3.4	18.30		8.50	8.50	32.26	32.26	100.30	7.65	7.59	1.39	1.40	1.8			1.8		
	10/2/2023	Cloudy	8:55	4.0	3.0	18.80	18.80	8.40	8.41	32.33	32.33	88.00	6.83	6.78	2.03	2.11	1.2			1.2	1.1	
			8:56	4.0	3.0	18.80		8.42	8.42	32.33	32.33	86.40	6.73	6.78	2.18	2.11	1.0			1.0		
	13/2/2023	Cloudy	10:24	3.9	2.9	19.70	19.75	8.32	8.33	32.27	32.27	81.60	6.23	6.19	3.34	3.30	1.6			1.6	1.7	
			10:25	3.9	2.9	19.80		8.33	8.33	32.27	32.27	81.50	6.14	6.19	3.26	3.30	1.8			1.8		
	16/2/2023	Fine	8:56	4.3	3.3	18.20	18.15	8.28	8.28	32.51	32.51	78.50	6.15	6.10	10.01	9.99	5.4			5.4	5.6	
			8:57	4.3	3.3	18.10		8.28	8.28	32.50	32.50	77.20	6.05	6.05	9.97	9.99	5.8			5.8		
	18/2/2023	Fine	15:22	4.5	3.5	19.10	19.05	8.24	8.24	32.47	32.47	77.60	6.03	6.10	5.26	5.18	2.5			2.5	2.6	
			15:23	4.5	3.5	19.00		8.24	8.24	32.47	32.47	79.80	6.17	6.10	5.09	5.18	2.7			2.7		
	20/2/2023	Fine	7:56	4.3	3.3	18.70	18.65	8.19	8.19	32.61	32.61	79.30	6.15	6.09	7.98	8.03	7.4			7.4	7.6	
			7:57	4.3	3.3	18.60		8.19	8.19	32.60	32.60	77.10	6.02	6.09	8.08	8.03	7.7			7.7		
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																			
	24/2/2023	Fine	8:57	4.3	3.3	19.30	19.30	8.19	8.19	32.85	32.85	80.70	79.65	6.20	6.12	6.80	6.70	4.4			4.4	4.6
			8:58	4.3	3.3	19.30		8.19	8.19	32.85	32.85	78.60	6.03	6.12	6.59	6.70	4.8			4.8		
	27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																			

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR10 (Middle) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L				
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	
SR10	1/2/2023	Fine	17:42	2.5	1.3	18.10																
			17:43	2.5	1.3	18.10	18.10	8.37	8.37	32.33	32.34	82.40	82.75	6.40	6.43	3.49	3.50	4.8	5.1			
	4/2/2023	Cloudy	11:42	2.4	1.2	17.60	17.60	8.56	8.57	32.27	32.27	93.20	93.70	7.32	7.37	4.28	4.32	10.3	10.5			
			11:43	2.4	1.2	17.60		8.57	8.57	32.27	32.27	94.20	94.20	7.42	7.42	4.36	4.36	10.7	10.7			
	6/2/2023	Cloudy	12:12	2.3	1.2	18.10	18.05	8.56	8.56	32.27	32.27	96.30	97.15	7.45	7.50	2.01	2.08	5.1	5.3			
			12:13	2.3	1.2	18.00		8.56	8.56	32.27	32.27	98.00	98.00	7.54	7.50	2.15	2.15	5.5	5.5			
	8/2/2023	Cloudy	14:13	2.5	1.3	18.40	18.40	8.53	8.53	32.26	32.26	95.30	96.70	7.44	7.49	1.71	1.75	2.4	1.9			
			13:14	2.6	1.3	18.40		8.52	8.52	32.26	32.26	98.10	98.10	7.54	7.49	1.79	1.75	1.4	1.4			
	10/2/2023	Cloudy	14:13	2.5	1.3	18.90	18.85	8.44	8.44	32.31	32.31	88.60	87.05	6.82	6.70	2.75	2.88	1.2	1.2			
			14:14	2.5	1.3	18.80		8.44	8.44	32.30	32.30	85.50	85.50	6.58	6.58	3.01	3.01	1.1	1.1			
	13/2/2023	Cloudy	16:28	2.5	1.3	20.70	20.70	8.31	8.31	32.17	32.17	80.00	81.00	6.02	6.07	1.10	1.15	<1.0	<1.0			
			16:29	2.5	1.3	20.70		8.30	8.30	32.17	32.17	82.00	82.00	6.12	6.12	1.19	1.19	<1.0	<1.0			
	16/2/2023	Fine	13:13	2.4	1.3	17.90	17.90	8.26	8.26	32.53	32.54	78.10	78.75	6.14	6.20	8.08	8.02	6.5	6.6			
			13:14	2.6	1.3	17.90		8.25	8.25	32.54	32.54	79.40	79.40	6.26	6.26	7.96	7.96	6.6	6.6			
	18/2/2023	Fine	11:02	2.4	1.2	18.60	18.60	8.20	8.20	32.49	32.49	79.70	79.10	6.17	6.13	8.57	8.48	3.6	3.8			
			11:03	2.4	1.2	18.60		8.20	8.20	32.49	32.49	78.50	78.50	6.09	6.09	8.39	8.39	3.8	3.8			
	20/2/2023	Fine	12:13	2.8	1.4	18.80	18.80	8.19	8.19	32.62	32.63	78.70	78.25	6.15	6.13	6.79	6.68	7.6	7.4			
			12:14	2.8	1.4	18.80		8.19	8.19	32.64	32.64	77.80	77.80	6.11	6.11	6.57	6.57	7.1	7.1			
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																			
	24/2/2023	Fine	14:14	2.7	1.4	19.50	19.55	8.17	8.17	32.84	32.85	80.50	80.50	6.15	6.17	7.55	7.49	4.2	4.4			
14:15			2.7	1.4	19.60		8.17	8.17	32.85	32.85	80.50	80.50	6.19	6.17	7.42	7.42	4.6	4.6				
27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																				

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR10 (Middle) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L				
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	
SR10	1/2/2023	Fine	10:00	2.4	1.2	18.30	18.35	8.35	8.35	32.31	32.31	88.40	87.90	6.92	6.89	2.63	2.74	2.6	2.6			
			10:01	2.4	1.2	18.40		8.35	8.35	32.31	32.31	87.40	87.40	6.85	6.85	2.84	2.84	2.5	2.5			
	4/2/2023	Cloudy	8:01	2.5	1.3	17.50	17.55	8.58	8.58	32.28	32.28	96.10	96.35	7.48	7.52	4.26	4.31	7.7	7.9			
			8:02	2.5	1.3	17.60		8.57	8.57	32.28	32.28	96.60	96.60	7.55	7.52	4.35	4.31	8.0	8.0			
	6/2/2023	Cloudy	8:30	2.4	1.2	18.10	18.15	8.56	8.56	32.27	32.27	95.00	93.65	7.38	7.29	1.44	1.50	3.2	3.1			
			8:31	2.4	1.2	18.20		8.56	8.56	32.26	32.26	92.30	92.30	7.19	7.19	1.56	1.56	2.9	2.9			
	8/2/2023	Cloudy	9:02	2.5	1.3	18.40	18.40	8.53	8.53	32.25	32.26	91.00	87.35	7.08	7.21	0.63	0.67	1.2	1.7			
			9:03	2.5	1.3	18.40		8.52	8.52	32.26	32.26	83.70	83.70	7.33	7.33	0.70	0.70	2.1	2.1			
	10/2/2023	Cloudy	9:01	2.3	1.2	19.00	18.95	8.39	8.40	32.29	32.29	85.70	84.90	6.60	6.55	2.05	2.12	<1.0	<1.0			
			9:02	2.3	1.2	18.90		8.40	8.40	32.29	32.29	84.10	84.10	6.49	6.49	2.19	2.19	<1.0	<1.0			
	13/2/2023	Cloudy	10:31	2.3	1.2	20.60	20.60	8.29	8.29	32.14	32.15	83.30	82.30	6.26	6.21	0.93	1.06	<1.0	<1.0			
			10:32	2.3	1.2	20.60		8.29	8.29	32.15	32.15	81.30	81.30	6.15	6.15	1.18	1.18	<1.0	<1.0			
	16/2/2023	Fine	9:01	2.4	1.2	17.50	17.50	8.25	8.26	32.50	32.51	76.60	77.60	6.10	6.16	10.15	10.09	6.6	6.8			
			9:02	2.4	1.2	17.50		8.26	8.26	32.51	32.51	76.60	76.60	6.22	6.22	10.02	10.02	7.0	7.0			
	18/2/2023	Fine	15:13	2.6	1.3	18.60	18.60	8.21	8.21	32.51	32.51	78.50	77.25	6.16	6.08	7.04	7.01	4.1	4.1			
			15:14	2.6	1.3	18.60		8.21	8.21	32.50	32.50	76.00	76.00	6.00	6.00	6.97	6.97	4.0	4.0			
	20/2/2023	Fine	8:03	2.6	1.3	18.70	18.70	8.19	8.19	32.66	32.66	77.10	78.05	6.02	6.10	6.93	6.86	9.5	9.5			
			8:04	2.6	1.3	18.70		8.19	8.19	32.65	32.65	79.00	79.00	6.17	6.17	6.78	6.78	9.5	9.5			
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																			
	24/2/2023	Fine	8:03	2.4	1.2	19.40	19.40	8.16	8.16	32.83	32.83	79.90	80.85	6.10	6.19	6.04	6.11	4.2	4.1			
8:04			2.4	1.2	19.40		8.15	8.15	32.82	32.82	81.80	81.80	6.27	6.17	6.17	6.17	3.9	3.9				
27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																				

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR12 (Middle) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR12	1/2/2023	Fine	17:39	2.7	1.4	18.20		8.38	8.38	32.32	32.32	82.80	6.44	6.40	2.55	2.49	3.9	4.1			
			17:40	2.7	1.4	18.20	18.20	8.38	8.38	32.32	32.32	81.60	6.36	6.40	2.43	2.43	4.3	4.3			
	4/2/2023	Cloudy	11:38	2.5	1.3	17.50	17.50	8.56	8.56	32.28	32.29	94.30	7.39	7.36	2.22	2.30	8.7	8.9			
			11:39	2.5	1.3	17.50		8.56	8.56	32.29	32.29	93.20	7.32	7.36	2.37	2.37	9.1	9.1			
	6/2/2023	Cloudy	12:08	2.3	1.2	18.20	18.15	8.57	8.57	32.27	32.27	99.70	7.68	7.61	0.29	0.43	4.4	4.3			
			12:09	2.3	1.2	18.10		8.56	8.56	32.26	32.27	98.00	7.54	7.61	0.56	0.56	4.1	4.1			
	8/2/2023	Cloudy	14:09	2.4	1.2	18.40	18.40	8.53	8.53	32.25	32.26	97.00	7.58	7.51	1.80	1.78	1.9	2.2			
			13:09	2.7	1.4	18.40		8.53	8.53	32.26	32.26	96.80	7.43	7.51	1.75	1.75	2.5	2.5			
	10/2/2023	Cloudy	14:09	2.4	1.2	18.90	18.90	8.44	8.44	32.29	32.29	86.80	6.69	6.69	4.10	4.13	1.5	1.3			
			14:10	2.4	1.2	18.90		8.44	8.44	32.29	32.29	83.80	6.49	6.69	4.16	4.13	1.0	1.0			
	13/2/2023	Cloudy	16:24	2.6	1.3	20.70	20.70	8.31	8.31	32.18	32.18	83.70	6.19	6.11	2.35	2.27	1.6	1.4			
			16:25	2.6	1.3	20.70		8.30	8.30	32.18	32.18	80.30	6.02	6.11	2.18	2.27	1.2	1.2			
	16/2/2023	Fine	13:08	2.5	1.3	17.90	17.90	8.26	8.26	32.49	32.50	79.50	6.23	6.19	9.10	9.18	6.8	6.7			
			13:09	2.6	1.3	17.90		8.26	8.26	32.50	32.50	78.70	6.15	6.19	9.25	9.18	6.5	6.5			
	18/2/2023	Fine	11:06	2.5	1.3	18.60	18.60	8.21	8.21	32.51	32.51	79.90	6.19	6.14	6.55	6.59	3.3	3.5			
			11:07	2.5	1.3	18.60		8.21	8.21	32.51	32.51	77.50	6.08	6.14	6.63	6.59	3.6	3.6			
	20/2/2023	Fine	12:08	2.8	1.4	18.80	18.75	8.20	8.20	32.62	32.62	80.00	6.20	6.14	8.56	8.48	5.8	5.7			
			12:09	2.8	1.4	18.70		8.20	8.20	32.62	32.62	78.60	6.07	6.14	8.39	8.48	5.5	5.5			
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/2/2023	Fine	14:08	2.7	1.4	19.50	19.55	8.17	8.17	32.85	32.85	81.00	6.20	6.12	6.66	6.62	3.9	3.8			
			14:09	2.7	1.4	19.60		8.17	8.17	32.85	32.85	78.50	6.04	6.12	6.58	6.62	3.6	3.6			
	27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR12 (Middle) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR12	1/2/2023	Fine	10:05	2.5	1.3	18.20	18.25	8.27	8.37	32.32	32.32	85.10	6.65	6.60	1.84	1.94	2.6	2.8			
			10:06	2.5	1.3	18.30		8.37	8.37	32.31	32.32	83.60	6.55	6.60	2.03	2.03	3.0	3.0			
	4/2/2023	Cloudy	8:06	2.6	1.3	17.60	17.55	8.57	8.58	32.27	32.27	96.10	7.48	7.39	2.36	2.42	11.1	11.3			
			8:07	2.6	1.3	17.50		8.58	8.58	32.27	32.27	94.30	7.29	7.39	2.48	2.48	11.5	11.5			
	6/2/2023	Cloudy	8:35	2.5	1.3	18.10	18.10	8.55	8.55	32.27	32.27	93.80	7.32	7.26	0.64	0.88	4.4	4.3			
			8:36	2.5	1.3	18.10		8.55	8.55	32.27	32.27	92.30	7.19	7.26	1.12	1.12	4.1	4.1			
	8/2/2023	Cloudy	9:05	2.6	1.3	18.40	18.40	8.52	8.52	32.26	32.26	92.10	7.18	7.10	1.20	1.23	1.9	2.1			
			9:06	2.6	1.3	18.40		8.52	8.52	32.26	32.26	89.80	7.01	7.10	1.25	1.25	2.2	2.2			
	10/2/2023	Cloudy	9:05	2.2	1.1	19.00	19.00	8.42	8.42	32.30	32.30	81.40	6.30	6.35	3.83	3.87	<1.0	1.0			
			9:06	2.2	1.1	19.00		8.41	8.41	32.30	32.30	82.70	6.39	6.35	3.90	3.87	<1.0	<1.0			
	13/2/2023	Cloudy	10:35	2.4	1.2	20.70	20.70	8.30	8.31	32.15	32.16	82.30	6.24	6.14	2.05	2.09	<1.0	1.0			
			10:36	2.4	1.2	20.70		8.31	8.31	32.16	32.16	80.60	6.03	6.14	2.12	2.12	<1.0	<1.0			
	16/2/2023	Fine	9:06	2.5	1.3	17.90	17.90	8.25	8.26	32.54	32.55	78.50	6.18	6.13	9.02	9.08	7.0	7.2			
			9:07	2.5	1.3	17.90		8.26	8.26	32.55	32.55	76.90	6.07	6.13	9.14	9.08	7.4	7.4			
	18/2/2023	Fine	15:07	2.6	1.3	18.60	18.60	8.21	8.21	32.48	32.48	79.60	6.18	6.10	7.31	7.37	4.0	4.3			
			15:08	2.6	1.3	18.60		8.20	8.20	32.48	32.48	76.90	6.02	6.10	7.43	7.37	4.5	4.5			
	20/2/2023	Fine	8:06	2.7	1.4	18.70	18.70	8.18	8.19	32.65	32.65	80.20	6.18	6.15	8.57	8.48	6.8	6.5			
			8:07	2.7	1.4	18.70		8.19	8.19	32.65	32.65	78.80	6.11	6.15	8.39	8.48	6.1	6.1			
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/2/2023	Fine	9:06	2.5	1.3	19.50	19.45	8.17	8.17	32.83	32.83	80.10	6.12	6.13	6.78	6.74	3.2	3.4			
			9:07	2.5	1.3	19.40		8.16	8.16	32.83	32.83	79.40	6.14	6.13	6.70	6.74	3.6	3.6			
	27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR15 (Middle) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR15	1/2/2023	Fine	18:23	2.7	1.4	17.90		8.50		32.25		97.70		7.84		1.88		1.3		1.4	
			19:24	2.7	1.4	17.90	17.90	8.51	8.51	32.26	32.26	98.60	97.15	7.85	7.60	1.74	1.71	1.5			
	4/2/2023	Cloudy	12:23	2.4	1.2	17.60	17.60	8.61	8.61	32.27	32.28	93.10	93.50	7.94	7.37	1.99	2.03	5.5	5.3	5.0	
			12:24	2.4	1.2	17.60		8.60		32.28		93.90		7.99		2.06					
	6/2/2023	Cloudy	12:53	2.4	1.2	18.50	18.50	8.57	8.58	32.25	32.25	92.70	93.60	7.17	7.25	0.80	0.82	3.2	3.4	3.6	
			12:54	2.4	1.2	18.50		8.58		32.25		94.50		7.33		0.84					
	8/2/2023	Cloudy	13:55	2.7	1.4	18.40	18.40	8.54	8.54	32.26	32.27	94.10	92.90	7.35	7.26	0.30	0.46	1.2	1.2	1.2	
			13:56	2.7	1.4	18.40		8.54		32.27		91.70		7.17		0.61		1.2			
	10/2/2023	Cloudy	14:56	2.6	1.3	19.30	19.30	8.45	8.45	32.28	32.28	82.30	81.50	6.33	6.27	1.92	2.01	1.2	1.5	1.5	
			14:57	2.6	1.3	19.30		8.45		32.28		80.70		6.21		2.10		1.7			
	13/2/2023	Cloudy	17:11	2.5	1.3	20.20	20.20	8.40	8.40	32.17	32.19	82.30	81.90	6.22	6.21	2.57	2.48	<1.0	<1.0	<1.0	
			17:12	2.5	1.3	20.20		8.39		32.20		81.50		6.20		2.39		<1.0			
	16/2/2023	Fine	13:56	2.7	1.4	18.20	18.20	8.29	8.29	32.53	32.54	79.00	78.25	6.19	6.14	6.93	7.01	4.1	4.3	4.4	
			13:57	2.7	1.4	18.20		8.29		32.54		77.50		6.08		7.09		4.4			
	18/2/2023	Fine	10:17	2.5	1.3	18.50	18.50	8.16	8.16	32.49	32.50	76.90	78.20	6.08	6.14	9.15	9.09	4.5	4.6	4.5	
			10:18	2.5	1.3	18.50		8.16		32.50		79.50		6.20		9.03		4.6			
	20/2/2023	Fine	12:57	2.8	1.4	19.00	19.00	8.21	8.21	32.61	32.62	77.60	78.90	6.01	6.11	6.04	6.12	6.8	6.6	6.3	
			12:58	2.8	1.4	19.00		8.20		32.62		80.20		6.20		6.19		6.3			
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/2/2023	Fine	14:58	2.7	1.4	19.80	19.75	8.22	8.22	32.76	32.77	82.10	81.15	6.27	6.19	5.58	5.60	3.0	2.8	2.6	
14:59			2.7	1.4	19.70		8.21		32.77		80.20		6.11		5.62		2.6				
27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																			

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR15 (Middle) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR15	1/2/2023	Fine	9:15	2.5	1.3	17.10	17.05	8.37	8.37	32.30	32.31	94.80	94.65	7.51	7.51	1.57	1.64	1.8	1.7	1.6	
			9:16	2.5	1.3	17.00		8.37		32.31		94.50		7.50		1.70		1.5			
	4/2/2023	Cloudy	7:15	2.4	1.2	17.60	17.55	8.53	8.54	32.26	32.27	98.60	98.25	7.76	7.72	2.04	2.09	5.4	5.3	5.1	
			7:16	2.4	1.2	17.50		8.54		32.27		97.90		7.68		2.13		5.1			
	6/2/2023	Cloudy	7:45	2.5	1.3	18.10	18.10	8.44	8.44	32.30	32.31	91.40	92.00	7.14	7.19	4.50	4.45	3.6	3.4	3.2	
			7:46	2.5	1.3	18.10		8.43		32.31		92.60		7.23		4.38		3.2			
	8/2/2023	Cloudy	8:14	2.5	1.3	18.20	18.20	8.46	8.47	32.20	32.21	98.10	98.15	7.64	7.63	2.24	2.27	2.3	2.1	2.3	
			8:15	2.5	1.3	18.20		8.48		32.21		98.20		7.61		2.30		1.9			
	10/2/2023	Cloudy	8:15	2.3	1.2	18.90	18.85	8.38	8.39	32.26	32.27	88.30	87.85	6.83	6.78	4.00	4.06	1.2	1.1	1.2	
			8:16	2.3	1.2	18.80		8.39		32.27		87.40		6.73		4.12		1.0			
	13/2/2023	Cloudy	9:45	2.2	1.1	19.60	19.60	8.24	8.24	32.20	32.21	82.20	81.25	6.26	6.18	4.01	3.94	1.0	1.2	1.3	
			9:46	2.2	1.1	19.60		8.24		32.21		80.30		6.10		3.87		1.3			
	16/2/2023	Fine	8:16	2.5	1.3	17.90	17.90	8.25	8.25	32.56	32.56	76.60	77.40	6.02	6.10	7.40	7.33	3.6	3.7	3.7	
			8:17	2.5	1.3	17.90		8.25		32.55		78.20		6.17		7.26		3.7			
	18/2/2023	Fine	15:57	2.7	1.4	18.90	18.90	8.24	8.24	32.48	32.48	78.00	78.95	6.03	6.09	6.53	6.56	3.0	3.2	3.0	
			15:58	2.7	1.4	18.90		8.24		32.48		79.90		6.15		6.59		3.4			
	20/2/2023	Fine	7:16	2.6	1.3	18.50	18.50	8.14	8.14	32.64	32.64	81.00	80.10	6.23	6.21	8.15	8.23	9.2	9.3	9.4	
			7:17	2.6	1.3	18.50		8.14		32.64		79.20		6.18		8.30		9.4			
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/2/2023	Fine	8:15	2.5	1.3	19.20	19.15	8.14	8.14	32.72	32.71	79.40	78.45	6.15	6.08	11.20	11.15	5.9	6.1	6.2	
8:16			2.5	1.3	19.10		8.13		32.70		77.50		6.00		11.09		6.2				
27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																			

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station CE (surface) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CE	1/2/2023	Fine	17:30	8.5	1.0	18.10	17.55	8.43	8.44	32.33	32.33	93.00	93.00	7.13	7.22	1.55	1.62	2.41	2.3		
			17:31	8.5	1.0	18.00	17.55	8.44	8.44	32.33	32.33	93.00	93.00	7.30	7.30	1.68	1.68	2.21	2.3		
	4/2/2023	Cloudy	11:30	8.2	1.0	17.50	17.50	8.58	8.58	32.28	32.28	95.70	95.40	7.49	7.49	1.93	2.04	3.61	3.8		
			11:31	8.2	1.0	17.50	17.50	8.58	8.58	32.28	32.28	95.10	95.10	7.49	7.49	2.15	2.15	4.01	3.8		
	6/2/2023	Cloudy	12:00	8.1	1.0	18.60	18.65	8.55	8.55	32.31	32.32	94.50	95.70	7.29	7.39	1.27	1.30	3.51	3.4		
			12:01	8.1	1.0	18.70	18.65	8.55	8.55	32.32	32.32	96.90	96.90	7.49	7.49	1.32	1.32	3.31	3.4		
	8/2/2023	Cloudy	13:00	2.7	1.0	18.20	18.20	8.47	8.48	32.29	32.30	95.10	94.15	7.44	7.36	4.51	4.63	1.81	1.6		
			13:01	2.7	1.0	18.20	18.20	8.48	8.48	32.30	32.30	93.20	93.20	7.28	7.28	4.75	4.75	1.41	1.6		
	10/2/2023	Cloudy	14:00	8.7	1.0	19.10	19.05	4.42	4.42	32.28	32.29	80.30	79.90	6.22	6.18	1.61	1.76	<1.0	1.0		
			14:01	8.7	1.0	19.00	19.05	4.41	4.41	32.29	32.29	79.50	79.50	6.13	6.13	1.90	1.90	<1.0	1.0		
	13/2/2023	Cloudy	16:15	8.5	1.0	20.60	20.60	8.30	8.30	32.27	32.28	83.70	83.20	6.28	6.23	2.41	2.49	<1.0	1.0		
			16:16	8.5	1.0	20.60	20.60	8.30	8.30	32.28	32.28	82.70	82.70	6.18	6.18	2.56	2.56	<1.0	1.0		
	16/2/2023	Fine	13:01	8.7	1.0	18.20	18.15	8.29	8.29	32.49	32.49	79.40	79.45	6.26	6.25	7.55	7.47	6.11	5.9		
			13:01	8.7	1.0	18.10	18.15	8.29	8.29	32.49	32.49	79.50	79.45	6.23	6.23	7.39	7.39	5.71	5.9		
	18/2/2023	Fine	11:15	8.4	1.0	18.80	18.80	8.24	8.24	32.54	32.55	77.60	78.45	6.94	6.09	6.41	6.39	4.21	4.4		
			11:16	8.4	1.0	18.80	18.80	8.24	8.24	32.55	32.55	79.30	79.30	6.19	6.19	6.37	6.37	4.61	4.4		
	20/2/2023	Fine	12:00	8.8	1.0	19.30	19.30	8.21	8.21	32.79	32.79	80.10	79.55	6.18	6.18	10.65	10.58	10.91	10.7		
			12:01	8.8	1.0	19.30	19.30	8.21	8.21	32.79	32.79	79.00	79.00	6.17	6.17	10.49	10.49	10.41	10.7		
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/2/2023	Fine	14:01	8.7	1.0	19.70	19.70	8.21	8.21	32.90	32.90	80.30	80.85	6.03	6.10	7.04	7.07	4.01	4.2		
			14:02	8.7	1.0	19.70	19.70	8.21	8.21	32.90	32.90	81.40	81.40	6.16	6.16	7.10	7.10	4.41	4.2		
	27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station CE (surface) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG		
CE	1/2/2023	Fine	10:13	8.4	1.0	17.60	17.55	8.44	8.44	32.25	32.26	93.20	93.05	7.32	7.31	3.04	3.10	<1.0	1.0		
			10:14	8.4	1.0	17.50	17.55	8.44	8.44	32.26	32.26	92.90	92.90	7.30	7.30	3.16	3.16	<1.0	1.0		
	4/2/2023	Cloudy	8:14	8.3	1.0	17.50	17.55	8.57	8.57	32.27	32.28	89.73	91.02	7.12	7.22	1.76	1.87	4.11	4.3		
			8:15	8.3	1.0	17.60	17.55	8.57	8.57	32.28	32.28	92.30	92.30	7.31	7.31	1.98	1.98	4.51	4.3		
	6/2/2023	Cloudy	8:43	8.3	1.0	18.40	18.45	8.54	8.54	32.30	32.30	97.00	97.80	7.53	7.59	1.57	1.59	2.91	3.1		
			8:44	8.3	1.0	18.50	18.45	8.54	8.54	32.30	32.30	96.60	96.60	7.64	7.64	1.60	1.60	3.31	3.1		
	8/2/2023	Cloudy	9:13	8.5	1.0	18.30	18.30	8.45	8.45	32.29	32.29	94.00	94.55	7.33	7.39	1.99	2.03	1.41	1.3		
			9:14	8.6	1.0	18.30	18.30	8.46	8.46	32.29	32.29	95.10	94.55	7.44	7.39	2.06	2.06	1.11	1.3		
	10/2/2023	Cloudy	9:14	8.2	1.0	18.80	18.80	8.39	8.39	32.32	32.32	84.90	84.10	6.55	6.49	3.39	3.42	2.41	1.7		
			9:15	8.2	1.0	18.80	18.80	8.39	8.39	32.32	32.32	83.30	84.10	6.43	6.43	3.45	3.45	<1.0	1.7		
	13/2/2023	Cloudy	10:44	8.0	1.0	19.90	19.45	8.33	8.33	32.21	32.20	82.50	82.00	6.26	6.21	1.57	1.60	1.31	1.4		
			10:45	8.0	1.0	19.00	19.45	8.33	8.33	32.19	32.20	81.50	82.00	6.16	6.21	1.62	1.62	1.41	1.4		
	16/2/2023	Fine	9:15	8.5	1.0	17.90	17.85	8.28	8.29	32.40	32.40	78.00	79.05	6.17	6.23	8.34	8.30	5.21	5.1		
			9:16	8.5	1.0	17.80	17.85	8.29	8.29	32.40	32.40	80.10	79.05	6.29	6.23	8.26	8.26	4.91	5.1		
	18/2/2023	Fine	15:00	8.6	1.0	18.90	18.90	8.23	8.23	32.67	32.67	78.70	79.60	6.06	6.13	5.53	5.51	4.61	4.4		
			15:01	8.6	1.0	18.90	18.90	8.22	8.22	32.67	32.67	80.50	79.60	6.19	6.13	5.48	5.48	4.21	4.4		
	20/2/2023	Fine	8:16	8.6	1.0	19.00	18.95	8.22	8.22	32.80	32.80	78.90	79.45	6.05	6.11	9.73	9.70	9.51	9.4		
			8:17	8.6	1.0	18.90	18.95	8.22	8.22	32.79	32.79	80.00	79.45	6.17	6.11	9.67	9.67	9.31	9.4		
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/2/2023	Fine	9:15	8.5	1.0	19.20	19.20	8.21	8.22	32.85	32.85	81.00	80.40	6.23	6.16	7.76	7.78	3.81	3.6		
			9:16	8.5	1.0	19.20	19.20	8.22	8.22	32.84	32.85	79.80	80.40	6.09	6.16	7.79	7.79	3.41	3.6		
	27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station CE (Middle) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						°C															
CE	1/2/2023	Fine	17:34	8.5	4.3	18.30															
			17:35	8.5	4.3	18.20	17.75	8.44	8.44	32.35	32.35	95.30	95.65	7.42	7.49	0.89	1.04	3.2	3.0		
	4/2/2023	Cloudy	11:34	8.2	4.1	17.50															
			11:35	8.2	4.1	17.60	17.55	8.59	8.59	32.28	32.28	94.90	94.00	7.39	7.36	3.49	3.43	3.6	3.5		
	6/2/2023	Cloudy	12:04	8.1	4.1	18.70															
			12:05	8.1	4.1	18.70	18.70	8.55	8.55	32.32	32.32	96.00	96.25	7.55	7.59	1.18	1.67	2.5	2.8		
	8/2/2023	Cloudy	13:01	2.7	1.4	18.20															
			13:02	2.7	1.4	18.20	18.20	8.47	8.47	32.33	32.33	94.00	93.15	7.33	7.27	2.39	2.43	1.8	1.6		
	10/2/2023	Cloudy	14:04	8.7	4.4	18.90															
			14:05	8.7	4.4	18.90	18.90	4.42	4.42	32.35	32.35	80.80	81.65	6.22	6.29	4.01	4.06	<1.0	1.0		
	13/2/2023	Cloudy	16:19	8.5	4.3	20.60															
			16:20	8.5	4.3	20.60	20.60	8.34	8.34	32.22	32.23	81.60	82.35	6.13	6.17	1.92	2.01	1.1	1.3		
	16/2/2023	Fine	13:04	8.7	4.4	18.30															
			13:05	8.7	4.4	18.20	18.25	8.29	8.29	32.53	32.53	80.80	80.10	6.30	6.26	8.15	8.18	5.0	4.8		
	18/2/2023	Fine	11:19	8.4	4.2	18.80															
			11:20	8.4	4.2	18.70	18.75	8.25	8.25	32.57	32.57	79.50	78.70	6.15	6.09	5.45	5.46	3.8	3.6		
	20/2/2023	Fine	12:04	8.8	4.4	19.20															
			12:05	8.8	4.4	19.20	19.20	8.22	8.22	32.80	32.80	81.10	81.30	6.18	6.18	12.67	12.59	11.9	12.2		
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/2/2023	Fine	14:05	8.7	4.4	19.50															
			14:06	8.7	4.4	19.60	19.55	8.22	8.22	32.89	32.90	82.30	81.45	6.27	6.23	6.77	6.74	3.8	3.7		
	27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station CE (Middle) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L		
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	
						°C														
CE	1/2/2023	Fine	10:17	8.4	4.2	17.70														
			10:18	8.4	4.2	17.80	17.75	8.43	8.44	32.30	32.31	92.30	91.90	7.25	7.23	2.05	2.10	2.7	2.9	
	4/2/2023	Cloudy	8:18	8.3	4.2	17.50														
			8:19	8.3	4.2	17.60	17.55	8.59	8.59	32.28	32.28	92.70	93.30	7.32	7.36	3.63	3.58	4.9	5.1	
	6/2/2023	Cloudy	8:47	8.3	4.2	18.40														
			8:48	8.3	4.2	18.40	18.40	8.55	8.55	32.31	32.32	96.50	97.30	7.49	7.55	0.85	0.57	4.1	4.0	
	8/2/2023	Cloudy	9:17	8.6	4.3	18.20														
			9:18	8.6	4.3	18.20	18.20	8.47	8.47	32.31	32.32	94.90	95.60	7.37	7.44	3.39	3.36	1.3	1.2	
	10/2/2023	Cloudy	9:18	8.2	4.1	18.70														
			9:19	8.2	4.1	18.80	18.75	8.41	8.41	32.34	32.34	96.30	84.90	7.51	7.44	3.33	3.11	1.0	2.0	
	13/2/2023	Cloudy	10:48	8.0	4.0	19.70														
			10:49	8.0	4.0	19.70	19.70	8.40	8.34	32.40	32.40	80.10	81.15	6.17	6.22	1.28	1.32	2.1	2.3	
	16/2/2023	Fine	9:19	8.5	4.3	18.20														
			9:20	8.5	4.3	18.20	18.20	8.29	8.29	32.47	32.47	79.50	78.85	6.25	6.18	8.81	8.77	5.9	5.8	
	18/2/2023	Fine	15:04	8.6	4.3	18.90														
			15:05	8.6	4.3	18.80	18.85	8.25	8.25	32.61	32.61	81.30	81.50	6.23	6.24	6.57	6.58	3.6	3.4	
	20/2/2023	Fine	8:20	8.6	4.3	19.00														
			8:21	8.6	4.3	19.00	19.00	8.23	8.23	32.60	32.80	81.70	79.60	6.25	6.13	6.59	9.38	3.2	11.0	
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																	
	24/2/2023	Fine	9:19	8.5	4.3	19.20														
			9:20	8.5	4.3	19.20	19.20	8.22	8.22	32.87	32.87	80.20	79.25	6.19	6.12	7.06	7.09	4.3	4.3	
	27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																	

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.





## Impact Water Quality Monitoring at Station CE (Bottom) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		
						°C		-		ppt		%		mg/L		NTU		mg/L		
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value
CE	1/2/2023	Fine	17:37	8.5	7.5	18.70	8.42	8.43	32.12	32.13	94.60	93.90	7.31	7.27	3.35	3.33	3.7	3.6		
			17:38	8.5	7.5	18.70	8.43	8.43	32.13	32.13	93.20	93.20	7.22	7.22	3.30	3.30	3.4	3.4		
	4/2/2023	Cloudy	11:37	8.2	7.2	17.50	8.58	8.58	32.28	32.28	94.20	95.15	7.42	7.45	1.49	1.64	2.8	2.9		
			11:38	8.2	7.2	17.50	8.58	8.58	32.27	32.27	96.10	96.10	7.48	7.48	1.78	1.78	3.0	3.0		
	6/2/2023	Cloudy	12:07	8.1	7.1	18.70	8.56	8.56	32.29	32.30	95.70	94.80	7.42	7.34	0.12	0.24	2.2	2.3		
			12:08	8.1	7.1	18.70	8.56	8.56	32.30	32.30	93.90	93.90	7.25	7.25	0.36	0.36	2.4	2.4		
	8/2/2023	Cloudy	13:01	2.7	1.7	18.20	8.46	8.46	32.31	32.31	95.30	95.30	7.44	7.44	3.03	3.11	2.0	1.6		
			13:02	2.7	1.7	18.20	8.45	8.45	32.31	32.31	-	-	-	-	3.18	3.18	1.1	1.1		
	10/2/2023	Cloudy	14:07	8.7	7.7	18.80	8.42	8.42	32.34	32.35	80.10	80.90	6.18	6.24	3.28	3.31	1.2	1.2		
			14:08	8.7	7.7	18.90	8.42	8.42	32.35	32.35	81.70	81.70	6.29	6.29	3.33	3.31	1.1	1.1		
	13/2/2023	Cloudy	16:22	8.5	7.5	20.30	8.35	8.35	32.30	32.30	83.50	82.60	6.27	6.20	3.09	3.13	1.8	1.7		
			16:23	8.5	7.5	20.30	8.34	8.34	32.29	32.29	81.70	81.70	6.12	6.12	3.16	3.16	1.6	1.6		
	16/2/2023	Fine	13:07	8.7	7.7	18.30	8.29	8.30	32.52	32.53	80.00	80.65	6.24	6.29	6.74	6.78	3.9	4.1		
			13:08	8.7	7.7	18.30	8.30	8.30	32.53	32.53	81.30	81.30	6.33	6.33	6.82	6.82	4.2	4.2		
	18/2/2023	Fine	11:22	8.4	7.4	18.70	8.25	8.25	32.59	32.59	77.20	78.50	6.03	6.10	6.04	6.10	3.0	3.0		
			11:23	8.4	7.4	18.70	8.25	8.25	32.58	32.58	79.80	79.80	6.17	6.15	6.15	6.15	2.9	2.9		
	20/2/2023	Fine	12:07	8.8	7.8	19.20	8.23	8.23	32.79	32.79	89.60	80.30	6.11	6.16	10.22	10.29	14.1	14.3		
			12:08	8.8	7.8	19.30	8.23	8.23	32.80	32.80	80.00	80.00	6.20	6.20	10.36	10.36	14.5	14.5		
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																	
	24/2/2023	Fine	14:08	8.7	7.7	19.50	8.23	8.23	32.96	32.91	81.30	78.95	6.23	6.15	6.48	6.43	3.3	3.2		
			14:09	8.7	7.7	19.60	8.23	8.23	32.86	32.86	76.60	76.60	6.06	6.06	6.37	6.37	3.0	3.0		
	27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																	

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station CE (Bottom) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		
						°C		-		ppt		%		mg/L		NTU		mg/L		
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value
CE	1/2/2023	Fine	10:20	8.4	7.4	17.90	8.44	8.44	32.30	32.31	94.30	93.70	7.39	7.36	4.50	4.57	3.8	4.0		
			10:21	8.4	7.4	17.90	8.44	8.44	32.31	32.31	93.10	93.10	7.32	7.32	4.63	4.63	4.1	4.1		
	4/2/2023	Cloudy	8:21	8.3	7.3	17.50	8.59	8.59	32.27	32.28	94.80	94.35	7.51	7.46	1.77	1.82	6.2	6.0		
			8:22	8.3	7.3	17.50	8.58	8.58	32.28	32.28	93.90	93.90	7.40	7.40	1.87	1.87	5.8	5.8		
	6/2/2023	Cloudy	8:50	8.3	7.3	18.40	8.56	8.56	32.32	32.32	99.00	98.30	7.88	7.63	0.79	0.74	5.5	5.4		
			8:51	8.3	7.3	18.40	8.56	8.56	32.32	32.32	97.60	97.60	7.57	7.57	0.68	0.68	5.2	5.2		
	8/2/2023	Cloudy	9:20	8.6	7.6	18.20	8.46	8.46	32.32	32.32	92.40	92.80	7.20	7.24	4.51	4.36	1.3	1.3		
			9:21	8.6	7.6	18.20	8.47	8.47	32.31	32.32	93.20	92.80	7.27	7.24	4.20	4.36	1.7	1.5		
	10/2/2023	Cloudy	9:21	8.2	7.2	18.70	8.41	8.41	32.34	32.34	83.30	83.75	6.44	6.47	2.05	2.12	1.2	1.3		
			9:22	8.2	7.2	18.70	8.41	8.41	32.34	32.34	84.20	84.20	6.49	6.49	2.19	2.19	1.4	1.4		
	13/2/2023	Cloudy	10:51	8.0	7.0	19.60	8.34	8.34	32.25	32.25	80.40	81.20	6.15	6.19	1.25	1.24	3.3	3.5		
			10:52	8.0	7.0	19.60	8.34	8.34	32.25	32.25	82.00	82.00	6.23	6.23	1.23	1.23	3.6	3.6		
	16/2/2023	Fine	9:22	8.5	7.5	18.30	8.29	8.29	32.52	32.52	79.60	78.60	6.21	6.16	8.48	8.54	6.7	6.9		
			9:23	8.5	7.5	18.20	8.29	8.29	32.51	32.51	77.60	77.60	6.10	6.10	8.59	8.59	7.1	7.1		
	18/2/2023	Fine	15:07	8.6	7.6	18.90	8.25	8.25	32.60	32.60	80.20	79.35	6.16	6.12	6.42	6.39	2.6	2.8		
			15:08	8.6	7.6	18.90	8.26	8.26	32.60	32.60	78.50	78.50	6.07	6.07	6.35	6.35	2.9	2.9		
	20/2/2023	Fine	8:23	8.6	7.6	19.10	8.23	8.23	32.79	32.79	77.40	78.60	6.02	6.08	9.82	9.26	12.2	12.5		
			8:24	8.6	7.6	19.00	8.23	8.23	32.79	32.79	79.80	79.80	6.13	6.13	8.70	8.70	12.7	12.7		
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																	
	24/2/2023	Fine	9:22	8.5	7.5	19.30	8.22	8.22	32.87	32.87	78.50	79.40	6.05	6.11	7.49	7.47	5.0	4.8		
			9:23	8.5	7.5	19.20	8.22	8.22	32.87	32.87	80.30	80.30	6.17	6.17	7.44	7.44	4.6	4.6		
	27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																	

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station CF (surface) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CF	1/2/2023	Fine	16:42	8.6	1.0	18.20		8.44		32.29	32.30	102.20	102.35	7.88	7.91	1.44		3.6	3.8		
			18:43	8.6	1.0	18.10		8.43	8.44	32.30	32.30	102.50	102.35	7.94	7.94	1.62		4.0			
	4/2/2023	Cloudy	12:42	8.4	1.0	17.60	17.60	8.53	8.53	32.37	32.33	91.90	91.15	9.25	8.20	2.33	2.36	4.0	3.9		
			12:43	8.4	1.0	17.60		8.53		32.28	32.33	90.40	91.15	7.14	8.20	2.38		3.8			
	6/2/2023	Cloudy	13:13	8.1	1.0	18.30	18.30	8.51	8.51	32.33	32.33	95.90	96.20	7.47	7.48	3.98	4.00	6.0	5.9		
			13:14	8.1	1.0	18.30		8.51		32.32	32.33	96.50	96.20	7.48	7.48	4.01		5.8			
	8/2/2023	Cloudy	14:14	8.7	1.0	18.30	18.35	8.45	8.45	32.27	32.27	91.30	92.60	7.12	7.22	3.64	3.58	2.6	2.6		
			14:15	8.7	1.0	18.40		8.44		32.27	32.27	93.90	92.60	7.31	7.22	3.52		2.5			
	10/2/2023	Cloudy	15:15	8.7	1.0	19.00	19.00	8.40	8.40	32.39	32.40	82.70	83.30	6.34	6.40	3.18	3.20	1.4	1.6		
			15:16	8.7	1.0	19.00		8.40		32.40	32.40	83.90	83.30	6.45	6.40	3.22		1.8			
	13/2/2023	Cloudy	17:30	8.5	1.0	20.50	20.45	8.30	8.30	31.96	31.97	82.30	82.95	6.22	6.24	1.10	1.15	<1.0	1.0		
			17:31	8.5	1.0	20.40		8.30		31.98	31.97	83.60	82.95	6.25	6.24	1.19		<1.0			
	16/2/2023	Fine	14:15	8.8	1.0	17.70	17.70	8.26	8.26	32.41	32.42	80.40	80.35	6.27	6.28	6.42	6.40	1.7	1.8		
			14:16	8.8	1.0	17.70		8.26		32.42	32.42	80.30	80.35	6.29	6.28	6.38		1.9			
	18/2/2023	Fine	10:00	8.5	1.0	18.50	18.50	8.10	8.10	32.62	32.62	79.90	79.05	6.25	6.18	7.04	7.08	3.3	3.5		
			10:01	8.5	1.0	18.50		8.10		32.61	32.62	79.20	79.05	6.10	6.18	7.12		3.6			
	20/2/2023	Fine	13:16	8.7	1.0	19.30	19.30	8.22	8.23	32.70	32.70	81.00	81.30	6.18	6.20	6.13	6.18	5.5	5.7		
			13:17	8.7	1.0	19.30		8.23		32.70	32.70	81.60	81.30	6.22	6.20	6.23		5.9			
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/2/2023	Fine	15:16	8.7	1.0	19.80	19.80	8.21	8.22	32.84	32.84	80.00	81.10	6.11	6.18	4.60	3.65	4.0	4.2		
			15:17	8.7	1.0	19.80		8.22		32.83	32.84	82.20	81.10	6.24	6.18	2.70		4.4			
	27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station CF (surface) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CF	1/2/2023	Fine	9:00	8.4	1.0	17.30	17.30	8.29	8.29	32.19	32.21	92.90	93.05	7.36	7.37	2.06	2.09	3.7	3.9		
			9:01	8.4	1.0	17.30		8.29		32.23	32.23	93.20	93.05	7.38	7.37	2.12		4.0			
	4/2/2023	Cloudy	7:00	8.5	1.0	17.60	17.60	8.43	8.43	32.28	32.33	94.40	95.45	7.51	7.56	4.96	4.92	7.2	7.0		
			7:01	8.5	1.0	17.60		8.43		32.38	32.33	96.50	95.45	7.80	7.56	4.88		6.8			
	6/2/2023	Cloudy	7:30	8.3	1.0	18.10	18.10	8.36	8.36	32.09	32.19	93.70	93.60	7.27	7.29	4.61	4.56	5.1	5.3		
			7:31	8.3	1.0	18.10		8.36		32.28	32.19	93.50	93.60	7.30	7.29	4.50		5.4			
	8/2/2023	Cloudy	8:00	8.5	1.0	18.10	18.10	8.21	8.21	32.15	32.16	90.20	88.75	7.07	6.94	6.10	6.06	2.3	2.5		
			8:01	8.5	1.0	18.10		8.31	8.31	32.16	32.16	87.30	88.75	6.80	6.94	6.02		2.7			
	10/2/2023	Cloudy	8:01	8.3	1.0	18.50	18.50	8.26	8.26	32.23	32.23	91.30	90.40	7.08	7.04	4.71	4.67	1.5	1.3		
			8:02	8.3	1.0	18.50		8.26		32.23	32.23	89.50	90.40	7.00	7.04	4.62		1.1			
	13/2/2023	Cloudy	9:30	8.1	1.0	19.50	19.50	8.16	8.17	32.07	32.07	83.20	82.40	6.35	6.32	3.03	2.92	<1.0	1.0		
			9:31	8.1	1.0	19.50		8.17		32.07	32.07	81.60	82.40	6.28	6.32	2.80		<1.0			
	16/2/2023	Fine	8:00	8.6	1.0	18.00	18.05	8.17	8.17	32.50	32.50	81.20	80.15	6.38	6.30	6.65	6.62	6.8	6.8		
			8:01	8.6	1.0	18.10		8.17		32.50	32.50	79.10	80.15	6.21	6.30	6.59		6.4			
	18/2/2023	Fine	16:16	8.7	1.0	19.10	19.15	8.25	8.25	32.77	32.76	80.60	79.95	6.17	6.13	4.63	4.68	1.8	1.7		
			16:17	8.7	1.0	19.20		8.25		32.75	32.75	79.30	79.95	6.09	6.13	4.72		1.6			
	20/2/2023	Fine	7:00	8.5	1.0	18.70	18.65	8.07	8.07	32.64	32.65	81.00	80.35	6.23	6.19	10.63	10.58	19.0	21.1		
			7:01	8.5	1.0	18.60		8.07		32.65	32.65	79.70	80.35	6.14	6.19	10.52		23.2			
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/2/2023	Fine	8:00	8.4	1.0	19.00	19.00	8.07	8.07	32.79	32.79	81.50	80.45	6.29	6.22	8.06	8.12	4.3	4.5		
			8:01	8.4	1.0	19.00		8.07		32.79	32.79	79.40	80.45	6.14	6.22	8.18		4.6			
	27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station CF (Middle) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L				
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG			
CF	1/2/2023	Fine	18:46	8.6	4.3	17.90		17.90	8.45	8.45	32.33	32.33	98.50	98.80	7.71	7.73	3.99	3.92	3.0	3.2		
			19:47	8.5	4.3	17.90	17.25	8.45	8.45	32.33	32.33	98.10	98.80	7.74	7.73	3.84	3.92	3.4	3.1			
	4/2/2023	Cloudy	12:46	8.4	4.2	17.60	17.55	8.54	8.55	32.29	32.29	92.70	92.05	7.31	7.26	1.91	1.96	4.4	4.6			
			12:47	8.4	4.2	17.50		8.56	8.55	32.29	32.29	91.40	92.05	7.21	7.26	2.01	1.96	4.7	4.6			
	6/2/2023	Cloudy	13:17	8.1	4.1	18.20	18.25	8.50	8.51	32.33	32.33	99.80	99.55	7.74	7.71	3.86	3.90	6.8	6.7			
			13:18	8.1	4.1	18.30		8.51	8.51	32.33	32.33	99.30	99.55	7.67	7.71	3.93	3.90	6.5	6.7			
	8/2/2023	Cloudy	14:18	8.7	4.4	18.20	18.20	8.46	8.46	32.27	32.28	94.70	93.70	7.38	7.30	4.38	4.30	4.0	4.2			
			14:19	8.7	4.4	18.20		8.45	8.45	32.28	32.28	92.70	93.70	7.22	7.30	4.21	4.30	4.3	4.2			
	10/2/2023	Cloudy	15:19	8.7	4.4	18.90	18.95	8.41	8.41	32.29	32.30	82.00	82.60	6.32	6.35	4.53	4.56	1.8	1.6			
			15:20	8.7	4.4	19.00		8.40	8.40	32.30	32.30	83.20	82.60	6.38	6.35	4.59	4.56	1.4	1.6			
	13/2/2023	Cloudy	17:34	8.5	4.3	20.10	20.10	8.31	8.31	31.97	31.97	82.70	81.70	6.27	6.22	1.06	1.12	1.5	1.4			
			17:35	8.5	4.3	20.10		8.31	8.31	31.97	31.97	80.70	81.70	6.16	6.22	1.18	1.12	1.2	1.4			
	16/2/2023	Fine	14:19	8.8	4.4	17.70	17.70	8.28	8.28	32.44	32.45	80.40	80.00	6.27	6.26	5.00	5.06	2.8	2.7			
			14:20	8.8	4.4	17.70		8.27	8.27	32.45	32.45	79.60	80.00	6.24	6.26	5.11	5.06	2.5	2.7			
	18/2/2023	Fine	10:04	8.5	4.3	18.50	18.55	8.13	8.13	32.64	32.64	78.60	79.40	6.13	6.17	8.72	8.65	4.8	4.7			
			10:05	8.5	4.3	18.60		8.12	8.12	32.64	32.64	80.20	79.40	6.21	6.17	8.58	8.65	4.5	4.7			
	20/2/2023	Fine	13:20	8.7	4.4	19.10	19.15	8.24	8.24	32.72	32.72	80.40	80.30	6.18	6.14	8.70	8.65	6.9	6.8			
			13:21	8.7	4.4	19.20		8.24	8.24	32.71	32.72	80.20	80.30	6.09	6.14	8.59	8.65	6.6	6.8			
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																			
	24/2/2023	Fine	15:20	8.7	4.4	19.60	19.65	8.23	8.23	32.80	32.81	81.50	80.75	6.19	6.14	5.48	5.43	3.8	3.6			
15:21			8.7	4.4	19.70		8.23	8.23	32.81	32.81	80.00	80.75	6.09	6.14	5.37	5.43	3.4	3.6				
27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																				

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station CF (Middle) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L				
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG			
CF	1/2/2023	Fine	9:04	8.4	4.2	17.20	17.25	8.31	8.31	32.26	32.26	92.30	91.90	7.31	7.28	3.83	3.81	3.3	3.2			
			9:05	8.4	4.2	17.30		8.30	8.30	32.25	32.25	91.50	91.90	7.25	7.28	3.78	3.81	3.1	3.2			
	4/2/2023	Cloudy	7:04	8.5	4.3	17.50	17.55	8.43	8.43	32.33	32.33	93.50	94.70	7.38	7.45	3.73	3.69	8.3	8.6			
			7:05	8.5	4.3	17.60		8.43	8.43	32.32	32.32	95.90	94.70	7.52	7.45	3.65	3.69	8.8	8.6			
	6/2/2023	Cloudy	7:34	8.3	4.2	18.00	18.00	8.38	8.38	32.32	32.32	92.70	92.25	7.26	7.22	4.01	4.00	6.3	6.2			
			7:35	8.3	4.2	18.00		8.38	8.38	32.32	32.32	91.80	92.25	7.17	7.22	3.98	4.00	6.0	6.2			
	8/2/2023	Cloudy	8:04	8.5	4.3	18.10	18.10	8.33	8.33	32.21	32.21	89.20	87.65	6.99	6.87	4.83	4.78	3.0	3.1			
			8:05	8.5	4.3	18.10		8.32	8.33	32.21	32.21	86.10	87.65	6.74	6.87	4.72	4.78	3.2	3.1			
	10/2/2023	Cloudy	8:05	8.3	4.2	18.50	18.50	8.27	8.27	32.30	32.30	88.00	87.20	6.63	6.78	5.54	5.67	2.2	2.0			
			8:06	8.3	4.2	18.50		8.27	8.27	32.30	32.30	86.40	87.20	6.73	6.78	5.79	5.67	1.8	2.0			
	13/2/2023	Cloudy	9:34	8.1	4.1	19.50	19.50	8.18	8.18	32.09	32.09	78.80	79.50	6.04	6.09	4.89	4.73	1.7	1.6			
			9:35	8.1	4.1	19.50		8.18	8.18	32.09	32.09	80.20	79.50	6.14	6.09	4.56	4.73	1.4	1.6			
	16/2/2023	Fine	8:04	8.6	4.3	17.90	17.90	8.20	8.20	32.58	32.59	78.80	79.40	6.18	6.23	8.19	8.25	5.6	5.8			
			8:05	8.6	4.3	17.90		8.19	8.20	32.60	32.59	80.00	79.40	6.27	6.23	8.30	8.25	5.9	5.8			
	18/2/2023	Fine	16:20	8.7	4.4	19.00	19.05	8.26	8.26	32.76	32.76	78.10	78.85	6.00	6.06	5.03	5.01	2.4	2.3			
			16:21	8.7	4.4	19.10		8.25	8.26	32.76	32.76	79.60	78.85	6.11	6.06	4.98	5.01	2.1	2.3			
	20/2/2023	Fine	7:04	8.5	4.3	18.60	18.60	8.11	8.11	32.73	32.73	78.30	79.55	6.10	6.19	17.62	17.56	37.4	37.9			
			7:05	8.5	4.3	18.60		8.10	8.11	32.73	32.73	80.80	79.55	6.27	6.19	17.49	17.56	38.4	37.9			
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																			
	24/2/2023	Fine	8:04	8.4	4.2	19.00	19.00	8.10	8.11	32.81	32.81	80.90	79.50	6.23	6.14	7.45	7.37	5.8	5.6			
8:05			8.4	4.2	19.00		8.11	8.11	32.80	32.81	78.10	79.50	6.04	6.14	7.29	7.37	5.3	5.6				
27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																				

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station CF (Bottom) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						-															
CF	1/2/2023	Fine	18:49	8.6	7.6	17.90	17.95	8.43	8.43	32.29	32.30	100.80	100.65	7.87	7.87	2.35	2.40	2.5	2.7		
			19:50	8.5	7.6	18.00	17.95	8.43	8.43	32.30	32.30	100.50	100.65	7.86	7.87	2.44	2.40	2.5	2.7		
	4/2/2023	Cloudy	12:49	8.4	7.4	17.60	17.60	8.54	8.54	32.29	32.29	99.90	91.60	7.17	7.22	4.25	4.28	5.6	5.4		
			12:50	8.4	7.4	17.60	17.60	8.54	8.54	32.29	32.29	92.30	91.60	7.27	7.22	4.30	4.28	5.2	5.4		
	6/2/2023	Cloudy	13:20	8.1	7.1	18.20	18.20	8.49	8.49	32.32	32.32	97.50	98.30	7.62	7.68	6.04	5.99	7.9	7.7		
			13:21	8.1	7.1	18.20	18.20	8.49	8.49	32.31	32.32	99.10	98.30	7.73	7.68	5.94	5.99	7.5	7.7		
	8/2/2023	Cloudy	14:21	8.7	7.7	18.20	18.20	8.46	8.46	32.30	32.31	93.10	93.05	7.23	7.25	5.01	4.95	2.8	2.9		
			14:22	8.7	7.7	18.20	18.20	8.46	8.46	32.31	32.31	93.00	93.05	7.26	7.25	4.89	4.95	2.9	2.9		
	10/2/2023	Cloudy	15:22	8.7	7.7	19.00	19.00	8.40	8.40	32.31	32.31	83.70	83.25	6.42	6.40	3.49	3.53	1.5	1.3		
			15:23	8.7	7.7	19.00	19.00	8.40	8.40	32.31	32.31	82.80	83.25	6.37	6.40	3.57	3.53	1.1	1.3		
	13/2/2023	Cloudy	17:37	8.5	7.5	20.10	20.05	8.32	8.32	32.00	32.01	80.90	81.95	6.17	6.23	2.22	2.21	1.7	1.8		
			17:38	8.5	7.5	20.00	20.05	8.32	8.32	32.01	32.01	83.00	81.95	6.29	6.23	2.20	2.21	1.9	1.8		
	16/2/2023	Fine	14:22	8.8	7.8	17.60	17.65	8.28	8.28	32.45	32.45	79.00	78.85	6.19	6.19	4.84	4.84	3.2	3.3		
			14:23	8.8	7.8	17.70	17.65	8.28	8.28	32.45	32.45	78.70	78.85	6.18	6.19	-	4.84	3.4	3.3		
	18/2/2023	Fine	10:07	8.5	7.5	18.40	18.45	8.16	8.16	32.67	32.67	77.50	78.30	6.05	6.11	8.34	8.38	5.7	5.6		
			10:08	8.5	7.5	18.50	18.45	8.16	8.16	32.67	32.67	78.10	78.30	6.17	6.11	8.42	8.38	5.4	5.6		
	20/2/2023	Fine	13:23	8.7	7.7	19.00	19.00	8.24	8.24	32.73	32.73	80.20	79.15	6.16	6.10	11.24	11.18	8.4	8.2		
			13:24	8.7	7.7	19.00	19.00	8.24	8.24	32.72	32.73	78.10	79.15	6.04	6.10	11.12	11.18	8.0	8.2		
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/2/2023	Fine	15:23	8.7	7.7	19.60	19.60	8.23	8.23	32.78	32.78	81.00	79.80	6.18	6.10	6.66	6.68	3.2	3.0		
			15:24	8.7	7.7	19.60	19.60	8.23	8.23	32.78	32.78	78.60	79.80	6.02	6.10	6.70	6.68	2.8	3.0		
	27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station CF (Bottom) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						-															
CF	1/2/2023	Fine	9:07	8.4	7.4	17.30	17.30	8.32	8.32	32.27	32.27	90.80	90.25	7.21	7.17	4.77	4.80	2.6	2.8		
			9:08	8.4	7.4	17.30	17.30	8.32	8.32	32.27	32.27	89.70	90.25	7.12	7.17	4.82	4.80	2.9	2.8		
	4/2/2023	Cloudy	7:07	8.5	7.5	17.40	17.40	8.41	8.41	32.34	32.34	87.30	87.35	6.89	6.89	3.50	3.56	9.8	9.7		
			7:08	8.5	7.5	17.40	17.40	8.40	8.41	32.33	32.34	87.40	87.35	6.88	6.89	3.62	3.56	9.6	9.7		
	6/2/2023	Cloudy	7:37	8.3	7.3	18.00	18.05	8.40	8.40	32.32	32.32	91.40	91.20	7.14	7.13	2.22	2.26	7.1	7.3		
			7:38	8.3	7.3	18.10	18.05	8.40	8.40	32.31	32.32	91.00	91.20	7.11	7.13	2.29	2.26	7.4	7.3		
	8/2/2023	Cloudy	8:07	8.5	7.5	18.00	18.00	8.34	8.35	32.21	32.21	88.00	86.40	6.92	6.79	3.98	3.94	2.6	2.7		
			8:08	8.5	7.5	18.00	18.00	8.35	8.35	32.21	32.21	84.80	86.40	6.65	6.79	3.90	3.94	2.8	2.7		
	10/2/2023	Cloudy	8:08	8.3	7.3	18.50	18.50	8.28	8.28	32.31	32.31	85.20	84.65	6.61	6.57	6.75	6.79	3.9	3.9		
			8:09	8.3	7.3	18.50	18.50	8.28	8.28	32.31	32.31	84.10	84.65	6.53	6.57	6.82	6.79	3.9	3.9		
	13/2/2023	Cloudy	9:37	8.1	7.1	19.50	19.50	8.21	8.21	32.16	32.16	82.90	82.05	6.34	6.28	2.56	2.48	2.2	2.4		
			9:38	8.1	7.1	19.50	19.50	8.21	8.21	32.16	32.16	81.20	82.05	6.22	6.28	2.40	2.48	2.5	2.4		
	16/2/2023	Fine	8:07	8.6	7.6	17.80	17.80	8.21	8.21	32.57	32.57	78.80	78.10	6.20	6.14	8.98	8.89	5.0	4.9		
			8:08	8.6	7.6	17.80	17.80	8.21	8.21	32.57	32.57	77.40	78.10	6.07	6.14	8.79	8.89	4.7	4.9		
	18/2/2023	Fine	16:23	8.7	7.7	19.00	19.00	8.27	8.27	32.77	32.77	79.80	78.80	6.16	6.09	6.04	6.08	2.7	3.0		
			16:24	8.7	7.7	19.00	19.00	8.27	8.27	32.77	32.77	77.80	78.80	6.01	6.09	6.11	6.08	3.2	3.0		
	20/2/2023	Fine	7:07	8.5	7.5	18.50	18.50	8.13	8.13	32.74	32.74	77.10	78.15	6.00	6.09	20.12	19.59	13.2	16.6		
			7:08	8.5	7.5	18.50	18.50	8.13	8.13	32.73	32.74	79.20	78.15	6.18	6.09	19.05	19.59	20.0	16.6		
	22/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/2/2023	Fine	8:07	8.4	7.4	19.00	19.00	8.12	8.12	32.81	32.81	77.50	79.25	6.06	6.16	9.82	9.77	6.6	6.8		
			8:08	8.4	7.4	19.00	19.00	8.12	8.12	32.81	32.81	81.00	79.25	6.25	6.16	9.71	9.77	7.0	6.8		
	27/2/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR4 (surface) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						SR4	1/3/2023	Fine	13:30	3.4	1.0	18.80		7.99	7.99	32.69	32.70	78.00	6.03	6.11	5.53
			13:31	3.4	1.0	18.70	18.75	7.99		32.70		79.90	6.19		5.69		4.5				
	4/3/2023	Fine	10:20	3.2	1.0	19.00	19.05	8.15	8.15	32.86	32.87	80.60	6.19	6.19	4.99	5.14	5.0	5.1			
			10:21	3.2	1.0	19.10		8.14		32.87		80.80	6.18		5.28		5.2				
	6/3/2023	Fine	11:48	3.5	1.0	18.80	18.85	8.17	8.17	32.94	32.95	79.50	6.10	6.16	6.06	6.09	4.4	4.6			
			11:49	3.5	1.0	18.90		8.16		32.95		80.80	6.21		6.12		4.8				
	8/3/2023	Cloudy	12:51	3.6	1.0	20.00	20.05	8.17	8.18	32.99	32.99	82.80	6.22	6.18	4.77	4.68	5.8	5.0			
			12:52	3.6	1.0	20.10		8.18		32.99		82.60	6.14		4.59		4.2				
	10/3/2023	Fine	13:52	3.5	1.0	21.40	21.35	8.24	8.24	32.81	32.81	84.00	6.25	6.20	3.92	3.97	1.6	1.8			
			13:53	3.5	1.0	21.30		8.24		32.80		82.50	6.14		4.02		1.9				
	13/3/2023	Cloudy	13:24	3.8	1.0	20.80	20.75	8.28	8.28	32.52	32.53	82.60	6.13	6.11	5.00	4.97	4.8	4.7			
			13:25	3.8	1.0	20.70		8.28		32.53		81.40	6.09		4.94		4.5				
	15/3/2023	Cloudy	17:33	3.6	1.0	21.10	21.10	8.33	8.34	32.64	32.65	83.70	6.16	6.14	4.67	4.80	2.5	2.7			
			17:34	3.6	1.0	21.10		8.34		32.65		82.60	6.12		4.93		2.9				
	18/3/2023	Cloudy	9:21	3.4	1.0	20.60	20.55	8.18	8.19	34.00	34.00	84.30	6.25	6.26	4.26	4.43	1.4	1.5			
			9:22	3.4	1.0	20.50		8.19		34.00		83.50	6.25		4.59		1.5				
	20/3/2023	Cloudy	11:31	3.5	1.0	20.60	20.55	8.31	8.32	34.30	34.31	84.60	6.25	6.21	2.83	2.93	2.5	2.8			
			11:32	3.5	1.0	20.50		8.32		34.31		83.40	6.16		3.02		2.6				
	22/3/2023	Cloudy	12:46	3.0	1.0	21.40	21.40	8.23	8.24	34.32	34.32	84.50	6.18	6.14	2.09	2.15	4.8	4.3			
			12:47	3.0	1.0	21.40		8.24		34.31		82.90	6.09		2.20		3.7				
	24/3/2023	Cloudy	14:06	3.6	1.0	22.10	22.10	8.19	8.20	34.24	34.24	84.10	6.27	6.26	2.36	2.41	4.0	3.8			
			14:07	3.6	1.0	22.10		8.20		34.24		84.30	6.24		2.45		3.6				
	27/3/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	29/3/2023	Cloudy	18:25	3.6	1.0	19.90	19.90	8.16	8.17	34.04	34.03	83.60	6.14	6.20	7.93	7.86	4.6	4.6			
			18:26	3.6	1.0	19.90		8.17		34.02		85.20	6.25		7.79		4.6				
	31/3/2023	Cloudy	13:52	3.6	1.0	20.20	20.20	8.15	8.14	33.87	33.87	84.80	6.27	6.25	5.90	5.89	3.3	3.2			
			13:53	3.6	1.0	20.20		8.13		33.87		84.20	6.23		5.87		3.0				

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR4 (surface) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						SR4	1/3/2023	Fine	8:20	3.0	1.0	18.80	18.75	8.16	8.16	32.74	32.74	80.30	6.19	6.15	7.56
			8:21	3.0	1.0	18.70		8.15		32.74		79.10	6.11		7.48		5.8				
	4/3/2023	Fine	15:49	3.5	1.0	18.90	18.90	8.16	8.16	32.85	32.85	80.50	6.15	6.17	6.42	6.46	5.7	5.5			
			15:50	3.5	1.0	18.90		8.15		32.85		80.50	6.19		6.49		5.3				
	6/3/2023	Fine	7:08	3.1	1.0	17.70	17.75	8.20	8.20	33.00	33.00	78.80	6.21	6.23	4.11	4.14	3.5	3.7			
			7:09	3.1	1.0	17.80		8.19		33.00		80.80	6.24		4.16		3.8				
	8/3/2023	Cloudy	7:17	3.3	1.0	20.00	19.95	8.13	8.13	32.90	32.90	81.60	6.17	6.12	4.61	4.60	5.3	4.7			
			7:18	3.3	1.0	19.90		8.13		32.90		80.10	6.07		4.59		4.0				
	10/3/2023	Fine	7:35	3.2	1.0	20.90	20.90	8.15	8.15	32.80	32.80	82.00	6.13	6.19	4.50	4.50	2.5	2.4			
			7:36	3.2	1.0	20.90		8.15		32.80		84.30	6.24		4.49		2.2				
	13/3/2023	Cloudy	8:32	3.3	1.0	20.80	20.85	8.26	8.26	32.66	32.66	81.60	6.08	6.12	7.50	7.48	7.5	7.3			
			8:33	3.3	1.0	20.90		8.26		32.66		82.90	6.16		7.46		7.0				
	15/3/2023	Cloudy	7:15	3.3	1.0	20.60	20.60	8.29	8.29	32.65	32.65	82.20	6.13	6.18	6.03	5.97	4.4	4.3			
			7:16	3.3	1.0	20.60		8.29		32.65		83.30	6.22		5.91		4.4				
	18/3/2023	Cloudy	14:18	3.5	1.0	21.10	21.05	8.30	8.30	34.12	34.12	85.70	6.28	6.23	3.17	3.27	1.6	1.6			
			14:19	3.5	1.0	21.00		8.30		34.12		84.20	6.18		3.36		1.5				
	20/3/2023	Cloudy	7:06	3.4	1.0	20.20	20.15	8.24	8.25	34.18	34.19	81.90	6.11	6.16	5.88	5.95	3.6	3.4			
			7:07	3.4	1.0	20.10		8.25		34.20		83.20	6.21		6.01		3.2				
	22/3/2023	Cloudy	7:07	3.3	1.0	21.20	21.20	8.18	8.18	34.24	34.24	84.50	6.27	6.16	2.71	2.80	2.8	2.9			
			7:08	3.3	1.0	21.20		8.18		34.23		81.30	6.04		2.89		3.0				
	24/3/2023	Cloudy	7:37	3.3	1.0	21.60	21.60	8.14	8.14	34.13	34.13	84.10	6.19	6.21	4.96	4.89	4.8	4.6			
			7:38	3.3	1.0	21.60		8.13		34.12		84.10	6.22		4.82		4.4				
	27/3/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	29/3/2023	Cloudy	8:35	3.3	1.0	20.00	20.00	8.15	8.15	34.02	34.02	84.40	6.19	6.20	4.44	4.47	2.9	2.8			
			8:36	3.3	1.0	20.00		8.15		34.01		83.20	6.20		4.49		2.6				
	31/3/2023	Cloudy	7:55	3.3	1.0	20.20	20.20	8.07	8.08	33.95	33.94	82.50	6.24	6.18	3.85	3.82	2.1	2.2			
			7:56	3.3	1.0	20.20		8.08		33.93		82.50	6.12		3.79		2.3				

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



**Impact Water Quality Monitoring at Station SR5 (surface) - Ebb Tide**

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						SR5	1/3/2023	Fine	13:23	4.3	1.0	18.70	18.70	8.06	8.07	32.72	32.72	80.20	79.35	6.20	6.15
			13:24	4.3	1.0	18.70		8.07		32.72		78.50		6.09		6.73		6.7			
	4/3/2023	Fine	10:34	4.0	1.0	19.10	19.10	8.15	8.15	32.80	32.80	80.10	78.95	6.18	6.15	4.97	4.85	4.5	4.3		
			10:35	4.0	1.0	19.10		8.15		32.80		77.80		6.11		4.72		4.1			
			11:38	4.3	1.0	18.80	18.80	8.17	8.18	32.74	32.73	81.00	80.05	6.20	6.15	4.72	4.66	7.8	8.0		
			11:39	4.3	1.0	18.80		8.18		32.72		79.10		6.10		4.59		8.1			
	8/3/2023	Cloudy	13:43	4.4	1.0	20.40	20.40	8.18	8.18	32.95	32.95	82.90	82.10	6.23	6.18	3.33	3.36	4.8	4.4		
			12:44	4.6	1.0	20.40		8.18		32.95		81.30		6.12		3.39		3.9			
			13:43	4.4	1.0	21.40	21.45	8.29	8.30	32.84	32.84	84.60	83.85	6.24	6.19	3.99	4.02	<1.0	1.0		
			13:44	4.4	1.0	21.50		8.30		32.84		83.10		6.13		4.05		<1.0			
	13/3/2023	Cloudy	13:15	4.7	1.0	20.50	20.50	8.30	8.31	32.55	32.55	81.80	82.55	6.15	6.10	6.28	6.30	5.0	5.2		
			13:16	4.7	1.0	20.50		8.31		32.55		83.30		6.22		6.31		5.4			
			17:25	4.1	1.0	21.10	21.10	8.35	8.35	32.61	32.61	83.10	83.70	6.14	6.17	4.91	4.82	2.5	2.7		
			17:26	4.5	1.0	21.10		8.35		32.60		84.30		6.20		4.73		2.9			
	18/3/2023	Cloudy	9:34	4.1	1.0	20.60	20.60	8.23	8.23	34.01	34.02	84.70	84.35	6.25	6.23	2.58	2.64	1.6	1.8		
			9:35	4.1	1.0	20.60		8.23		34.03		84.00		6.21		2.70		1.9			
			11:22	4.4	1.0	20.40	20.45	8.29	8.30	34.21	34.21	82.50	83.20	6.12	6.18	5.91	5.87	3.1	2.9		
			11:23	4.4	1.0	20.50		8.30		34.21		83.90		6.23		5.82		2.7			
			12:38	4.1	1.0	21.00	21.05	8.21	8.21	34.26	34.26	84.00	84.20	6.20	6.22	3.21	3.15	5.5	5.3		
			12:39	4.1	1.0	21.10		8.21		34.25		84.40		6.23		3.09		5.1			
			13:57	4.5	1.0	22.40	22.40	8.15	8.15	34.19	34.20	81.40	84.50	6.31	6.28	5.00	5.46	3.0	2.8		
			13:58	4.5	1.0	22.40		8.16		34.20		87.60		6.24		5.92		2.5			
	27/3/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	29/3/2023	Cloudy	18:17	4.7	1.0	19.90	19.95	8.19	8.20	33.95	33.95	85.00	84.05	6.22	6.15	6.79	6.69	3.6	3.5		
			18:18	4.7	1.0	20.00		8.20		33.94		83.10		6.08		6.59		3.4			
			13:43	4.7	1.0	20.20	20.20	8.14	8.14	33.92	33.92	83.60	83.55	6.15	6.21	3.23	3.30	2.1	2.3		
			13:44	4.7	1.0	20.20		8.14		33.91		83.50		6.27		3.37		2.4			

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.

**Impact Water Quality Monitoring at Station SR5 (surface) - Flood Tide**

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						SR5	1/3/2023	Fine	8:27	4.0	1.0	18.70	18.70	8.17	8.17	32.77	32.77	78.50	79.30	6.08	6.16
			8:28	4.0	1.0	18.70		8.17		32.77		80.10		6.24		7.62		8.3			
			15:38	4.3	1.0	18.80	18.85	8.14	8.14	32.80	32.81	82.30	81.45	6.27	6.23	8.52	8.50	5.4	5.6		
			15:39	4.3	1.0	18.90		8.14		32.81		80.60		6.18		8.47		5.8			
			7:17	3.9	1.0	19.00	19.05	8.18	8.18	32.87	32.87	81.80	81.25	6.29	6.25	4.76	4.73	7.2	7.0		
			7:18	3.9	1.0	19.10		8.18		32.86		80.70		6.21		4.69		6.8			
	8/3/2023	Cloudy	7:25	4.3	1.0	20.10	20.05	8.13	8.14	32.86	32.86	81.50	80.45	6.17	6.10	4.00	4.02	2.8	2.7		
			7:26	4.3	1.0	20.00		8.14		32.85		79.40		6.03		4.04		2.5			
			7:43	4.1	1.0	21.20	21.20	8.19	8.20	32.74	32.75	82.80	81.35	6.16	6.09	4.51	4.56	<1.0	1.0		
			7:44	4.1	1.0	21.20		8.20		32.75		79.90		6.02		4.60		<1.0			
	13/3/2023	Cloudy	8:42	4.4	1.0	20.40	20.40	8.22	8.22	32.60	32.60	83.10	82.50	6.21	6.17	4.74	4.70	5.5	5.7		
			8:43	4.4	1.0	20.40		8.22		32.59		81.90		6.13		4.65		5.8			
			7:22	4.2	1.0	20.60	20.65	8.27	8.27	32.57	32.58	81.90	82.80	6.13	6.19	6.31	6.26	2.2	2.3		
			7:23	4.2	1.0	20.70		8.28		32.58		83.70		6.24		6.20		2.4			
			14:12	4.2	1.0	21.00	21.00	8.30	8.30	34.03	34.04	85.00	84.05	6.22	6.15	4.98	4.88	<1.0	1.0		
			14:13	4.2	1.0	21.00		8.29		34.05		83.10		6.08		4.78		<1.0			
			7:18	4.2	1.0	20.30	20.25	8.27	8.28	34.20	34.20	83.70	83.00	6.22	6.18	3.36	3.42	1.8	1.7		
			7:19	4.2	1.0	20.20		8.28		34.19		82.30		6.13		3.48		1.6			
			7:19	4.3	1.0	21.20	21.20	8.22	8.22	-	34.23	84.10	82.85	6.18	6.10	2.83	2.71	3.2	3.4		
			7:20	4.3	1.0	21.20		8.22		34.23		81.60		6.02		2.58		3.6			
			7:50	4.3	1.0	21.70	21.70	8.14	8.14	34.09	34.10	85.10	84.45	6.26	6.24	4.32	4.44	1.1	1.2		
			7:51	4.3	1.0	21.70		8.14		34.10		83.80		6.22		4.55		1.3			
	27/3/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	29/3/2023	Cloudy	8:42	4.4	1.0	19.80	19.80	8.16	8.16	33.79	33.79	82.70	81.40	6.29	6.19	6.80	6.80	3.8	3.7		
			8:43	4.4	1.0	19.80		8.16		33.79		80.10		6.08		6.79		3.6			
			8:02	4.2	1.0	20.20	20.20	8.11	8.11	33.88	33.88	83.40	83.80	6.19	6.22	5.23	5.25	1.5	1.7		
			8:03	4.2	1.0	20.20		8.10		33.87		84.20		6.25		5.27		1.8			

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.









## Impact Water Quality Monitoring at Station SR9 (surface) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR9	1/3/2023	Fine	13:00	4.2	1.0	18.90	18.85	8.19	8.19	32.56	32.56	79.50	79.70	6.23	6.19	6.15	6.19	4.6	4.8		
			13:01	4.2	1.0	18.80		8.19		32.55		78.50		6.23		6.19		5.0			
	4/3/2023	Fine	10:54	4.0	1.0	18.90	18.90	8.17	8.17	32.84	32.84	80.00	80.55	6.20	6.19	4.00	4.18	5.1	5.0		
			10:55	4.0	1.0	18.90		8.16		32.84		81.10		6.18		4.36		4.9			
	6/3/2023	Fine	11:18	4.5	1.0	19.00	19.05	8.19	8.19	32.88	32.88	79.90	78.80	6.19	6.12	3.91	3.98	3.6	3.8		
			11:19	4.5	1.0	19.10		8.19		32.88		77.70		6.05		4.05		4.0			
	8/3/2023	Cloudy	12:22	4.6	1.0	20.40	20.35	8.17	8.17	32.92	32.92	82.20	81.00	6.18	6.10	3.84	3.93	5.8	5.6		
			12:23	4.6	1.0	20.30		8.16		32.92		79.80		6.02		4.01		5.4			
	10/3/2023	Fine	13:22	4.5	1.0	20.90	20.85	8.21	8.21	32.85	32.85	84.10	83.15	6.23	6.18	3.33	3.37	2.4	2.6		
			13:23	4.5	1.0	20.80		8.20		32.85		82.20		6.12		3.40		2.8			
	13/3/2023	Cloudy	12:51	4.8	1.0	20.40	20.45	8.31	8.31	32.64	32.65	81.70	82.40	6.13	6.17	4.51	4.51	6.4	6.6		
			12:52	4.8	1.0	20.50		8.30		32.65		83.10		6.21		4.50		6.7			
	15/3/2023	Cloudy	17:02	4.2	1.0	20.90	20.95	8.33	8.33	32.64	32.64	82.30	82.75	6.10	6.14	4.00	4.09	1.5	1.6		
			17:03	4.6	1.0	21.00		8.33		32.64		83.20		6.17		4.17		1.7			
	18/3/2023	Cloudy	9:58	4.2	1.0	20.50	20.50	8.28	8.27	34.07	34.08	84.00	84.25	6.20	6.22	3.23	3.26	2.6	2.7		
			9:59	4.2	1.0	20.50		8.27		34.09		84.50		6.24		3.29		2.6			
	20/3/2023	Cloudy	10:59	2.7	1.0	20.40	20.40	8.31	8.31	34.16	34.16	84.00	83.40	6.24	6.20	5.77	5.70	2.4	2.3		
			11:00	2.7	1.0	20.40		8.30		34.18		82.80		6.16		5.63		2.2			
	22/3/2023	Cloudy	12:17	4.1	1.0	20.90	20.90	8.20	8.21	34.26	34.26	83.00	82.30	6.29	6.25	4.32	4.26	2.2	2.4		
			12:18	4.1	1.0	20.90		8.21		34.25		81.60		6.21		4.20		2.5			
	24/3/2023	Cloudy	13:34	4.7	1.0	22.00	22.05	8.17	8.18	34.13	34.14	83.70	83.15	6.25	6.21	3.09	3.13	1.6	1.8		
			13:35	4.7	1.0	22.10		8.18		34.14		82.60		6.16		3.17		1.9			
	27/3/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	29/3/2023	Cloudy	17:54	4.6	1.0	19.90	19.85	8.15	8.15	33.82	33.83	81.60	82.50	6.08	6.14	8.03	7.99	6.4	6.6		
			17:55	4.6	1.0	19.80		8.14		33.84		83.40		6.20		7.94		6.7			
	31/3/2023	Cloudy	13:23	4.6	1.0	20.20	20.20	8.14	8.12	33.97	33.96	83.40	83.75	6.14	6.16	6.24	6.13	3.2	3.1		
			13:24	4.6	1.0	20.20		8.12		33.96		84.10		6.18		6.02		2.9			

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR9 (surface) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG		
SR9	1/3/2023	Fine	8:50	3.9	1.0	18.80	18.80	8.19	8.20	32.85	32.86	79.50	80.35	6.13	6.17	5.56	5.28	4.1	4.3		
			8:51	3.9	1.0	18.80		8.20		32.86		81.20		6.20		4.99		4.5			
	4/3/2023	Fine	15:18	4.4	1.0	19.00	19.00	8.18	8.19	32.87	32.87	79.10	79.45	6.08	6.11	3.84	3.88	3.6	3.8		
			15:19	4.4	1.0	19.00		8.19		32.86		79.80		6.13		3.91		4.0			
	6/3/2023	Fine	7:39	4.0	1.0	19.10	19.05	8.18	8.19	32.77	32.78	79.70	78.80	6.16	6.10	5.55	5.59	10.0	10.2		
			7:40	4.0	1.0	19.00		8.19		32.78		77.90		6.03		5.63		10.4			
	8/3/2023	Cloudy	7:46	4.4	1.0	20.30	20.25	8.14	8.14	32.92	32.92	82.00	80.95	6.18	6.12	3.30	3.39	3.9	4.1		
			7:47	4.4	1.0	20.20		8.13		32.92		79.90		6.05		3.47		4.2			
	10/3/2023	Fine	7:59	4.2	1.0	20.90	20.85	8.17	8.18	32.79	32.80	80.00	80.55	6.20	6.19	3.66	3.68	1.6	1.5		
			8:00	4.2	1.0	20.80		8.18		32.80		81.10		6.18		3.69		1.4			
	13/3/2023	Cloudy	9:03	4.5	1.0	20.50	20.45	8.27	8.27	32.54	32.55	83.60	83.10	6.24	6.21	6.14	6.12	7.8	7.6		
			9:04	4.5	1.0	20.40		8.26		32.55		82.60		6.18		6.09		7.4			
	15/3/2023	Cloudy	7:55	4.2	1.0	20.80	20.80	8.30	8.30	32.69	32.60	82.80	83.40	6.15	6.20	4.51	4.61	2.4	2.3		
			7:56	4.2	1.0	20.80		8.30		32.60		84.00		6.25		4.70		2.2			
	18/3/2023	Cloudy	13:49	4.4	1.0	20.60	20.55	8.30	8.30	34.05	34.05	84.40	84.55	6.21	6.22	4.67	4.52	1.3	1.4		
			13:50	4.4	1.0	20.50		8.29		34.04		84.70		6.22		4.37		1.5			
	20/3/2023	Cloudy	7:42	4.5	1.0	20.30	20.25	8.29	8.30	34.15	34.16	81.60	82.50	6.08	6.14	4.21	4.27	1.6	1.4		
			7:43	4.5	1.0	20.20		8.30		34.17		83.40		6.20		4.32		1.2			
	22/3/2023	Cloudy	7:45	4.3	1.0	20.90	20.90	8.22	8.22	34.28	34.28	81.80	82.85	6.05	6.12	2.19	2.14	4.0	4.2		
			7:46	4.3	1.0	20.90		8.21		34.28		83.90		6.19		2.09		4.4			
	24/3/2023	Cloudy	8:14	4.4	1.0	21.90	21.85	8.16	8.17	34.32	34.32	83.40	82.60	6.19	6.14	3.85	3.89	2.8	2.7		
			8:15	4.4	1.0	21.80		8.17		34.32		81.80		6.08		3.92		2.5			
	27/3/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	29/3/2023	Cloudy	9:05	4.3	1.0	19.80	19.85	8.15	8.16	33.88	33.88	83.70	83.15	6.25	6.21	7.25	7.19	5.3	5.5		
			9:06	4.3	1.0	19.90		8.16		33.88		82.60		6.16		7.12		5.6			
	31/3/2023	Cloudy	8:25	4.3	1.0	20.20	20.20	8.11	8.12	33.93	33.93	83.80	83.80	6.20	6.24	3.85	3.91	2.5	2.6		
			8:26	4.3	1.0	20.20		8.12		33.93		85.20		6.27		3.96		2.7			

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.





## Impact Water Quality Monitoring at Station SR10 (Middle) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						WQM was cancelled due to adverse weather															
SR10	1/3/2023	Fine	12:52	2.6	1.3	18.70	18.75	8.18	8.18	32.70	32.70	78.50	79.60	6.09	6.16	6.29	6.25	6.2	6.4		
			12:53	2.6	1.3	18.80		8.18		32.70		80.70		6.23		6.21		6.6			
	4/3/2023	Fine	11:04	2.4	1.2	19.00	19.00	8.15	8.15	32.84	32.84	80.60	80.10	6.19	6.14	8.34	8.29	7.9	7.7		
			11:05	2.4	1.2	19.00		8.15		32.84		79.60		6.09		8.24		7.5			
	6/3/2023	Fine	11:13	2.6	1.3	18.80	18.85	8.18	8.18	32.95	32.95	79.70	78.35	6.22	6.11	4.38	4.38	5.8	5.5		
			11:14	2.6	1.3	18.90		8.18		32.95		77.00		6.00		4.37		5.2			
	8/3/2023	Cloudy	12:15	2.6	1.3	20.50	20.50	8.16	8.17	32.93	32.93	82.70	81.55	6.16	6.10	3.39	3.71	5.6	5.8		
			12:16	2.7	1.4	20.50		8.17		32.92		80.40		6.04		4.02		6.0			
	10/3/2023	Fine	13:16	2.6	1.3	20.70	20.70	8.20	8.20	32.86	32.86	80.90	81.75	6.04	6.10	2.70	2.64	<1.0	1.0		
			13:17	2.6	1.3	20.70		8.20		32.85		82.60		6.16		2.58		<1.0			
	13/3/2023	Cloudy	12:43	2.7	1.4	20.40	20.45	8.25	8.25	32.69	32.69	82.30	81.85	6.14	6.11	3.72	3.66	4.6	4.8		
			12:44	2.7	1.3	20.50		8.25		32.69		81.40		6.08		3.59		5.0			
	15/3/2023	Cloudy	16:53	2.3	1.3	20.90	20.90	8.30	8.30	32.63	32.63	81.20	82.25	6.08	6.14	4.26	4.32	2.5	2.4		
			16:54	2.6	1.3	20.90		8.30		32.63		83.30		6.20		4.38		2.2			
	18/3/2023	Cloudy	10:08	2.3	1.2	20.70	20.70	8.24	8.24	34.09	34.09	84.80	83.85	6.27	6.24	3.22	3.31	<1.0	1.0		
			10:09	2.8	1.2	20.70		8.24		34.09		82.90		6.20		3.39		<1.0			
	20/3/2023	Cloudy	10:52	2.6	1.3	20.60	20.60	8.28	8.29	34.12	34.12	81.70	82.80	6.07	6.15	3.78	3.74	2.1	2.2		
			10:53	2.6	1.3	20.60		8.29		34.12		83.90		6.23		3.69		2.2			
	22/3/2023	Cloudy	12:13	2.3	1.2	20.90	20.90	8.22	8.22	34.26	34.26	83.70	82.60	6.24	6.21	2.72	2.65	3.0	2.8		
			12:14	2.3	1.2	20.90		8.22		34.27		81.50		6.18		2.57		2.6			
	24/3/2023	Cloudy	13:26	2.9	1.5	21.50	21.45	8.16	8.16	34.15	34.15	83.30	82.65	6.23	6.18	4.96	4.78	3.8	3.6		
			13:27	2.9	1.5	21.40		8.16		34.15		82.00		6.13		4.59		3.4			
	27/3/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	29/3/2023	Cloudy	17:45	2.8	1.4	19.70	19.75	8.13	8.13	33.81	33.81	84.00	83.10	6.25	6.19	6.22	6.27	7.2	7.5		
			17:46	2.8	1.4	19.80		8.13		33.81		82.20		6.12		6.31		7.8			
	31/3/2023	Cloudy	13:14	2.8	1.4	20.20	20.20	8.09	8.10	33.89	33.90	83.50	83.10	6.19	6.15	4.45	4.42	2.2	2.2		
			13:15	2.8	1.4	20.20		8.10		33.90		82.70		6.11		4.38		2.2			

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR10 (Middle) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG		
						WQM was cancelled due to adverse weather															
SR10	1/3/2023	Fine	8:58	2.3	1.2	18.70	18.75	8.19	8.19	32.75	32.76	80.10	78.95	6.22	6.15	7.04	6.81	6.4	6.3		
			8:59	2.3	1.2	18.80		8.19		32.76		77.80		6.07		6.58		6.1			
	4/3/2023	Fine	15:15	2.7	1.4	19.00	19.05	8.17	8.18	32.90	32.90	77.10	78.05	6.02	6.10	8.55	8.47	6.4	6.4		
			15:16	2.7	1.4	19.10		8.18		32.89		79.00		6.17		8.39		6.4			
	6/3/2023	Fine	7:45	2.3	1.2	18.80	18.85	8.19	8.19	32.94	32.94	77.90	78.80	6.03	6.10	5.11	5.07	6.2	6.4		
			7:46	2.3	1.2	18.90		8.18		32.93		79.70		6.16		5.02		6.6			
	8/3/2023	Cloudy	7:53	2.5	1.3	20.40	20.35	8.14	8.14	32.94	32.94	81.00	80.10	6.23	6.21	5.46	5.49	3.6	4.0		
			7:54	2.5	1.3	20.30		8.14		32.94		79.20		6.18		5.51		4.4			
	10/3/2023	Fine	8:09	2.3	1.2	20.70	20.75	8.18	8.18	32.83	32.83	83.80	82.70	6.26	6.18	4.12	4.16	<1.0	1.0		
			8:10	2.3	1.2	20.80		8.18		32.82		81.60		6.10		4.19		<1.0			
	13/3/2023	Cloudy	9:10	2.5	1.3	20.40	20.45	8.21	8.22	32.63	32.63	83.30	82.55	6.23	6.19	4.25	4.28	6.2	6.0		
			9:11	2.5	1.3	20.50		8.22		32.62		81.80		6.14		4.31		5.8			
	15/3/2023	Cloudy	8:02	2.4	1.2	20.80	20.80	8.27	8.28	32.62	32.63	82.40	81.75	6.19	6.12	4.68	4.72	3.3	3.4		
			8:03	2.4	1.2	20.80		8.28		32.63		81.10		6.04		4.75		3.4			
	18/3/2023	Cloudy	13:41	2.4	1.2	20.80	20.80	8.24	8.24	34.07	34.09	84.80	84.50	6.27	6.25	2.71	2.80	2.0	2.2		
			13:42	2.4	1.2	20.80		8.23		34.10		84.20		6.23		2.88		2.4			
	20/3/2023	Cloudy	7:51	2.4	1.2	20.60	20.55	8.28	8.28	34.09	34.10	82.20	83.10	6.12	6.19	2.58	2.88	3.0	2.8		
			7:52	2.4	1.2	20.50		8.28		34.11		84.00		6.25		3.17		2.6			
	22/3/2023	Cloudy	7:54	2.4	1.2	20.90	20.90	8.21	8.21	34.33	34.33	83.40	82.90	6.27	6.23	3.85	3.74	3.2	3.5		
			7:55	2.4	1.2	20.90		8.21		34.33		82.40		6.18		3.62		3.7			
	24/3/2023	Cloudy	8:23	2.7	1.4	21.50	21.50	8.15	8.16	34.17	34.17	83.10	82.95	6.20	6.17	5.06	5.13	2.7	2.9		
			8:24	2.7	1.4	21.50		8.16		34.17		82.80		6.14		5.19		3.0			
	27/3/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	29/3/2023	Cloudy	9:13	2.5	1.3	19.70	19.70	8.14	8.14	33.74	33.73	82.00	82.50	6.13	6.17	8.75	8.69	4.8	4.6		
			9:14	2.5	1.3	19.70		8.13		33.72		83.00		6.20		8.62		4.4			
	31/3/2023	Cloudy	8:33	2.6	1.3	20.30	20.25	8.09	8.09	33.85	33.86	82.80	83.20	6.14	6.16	4.76	4.78	2.1	2.2		
			8:34	2.6	1.3	20.20		8.09		33.87		83.60		6.18		4.79		2.3			

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.









Impact Water Quality Monitoring at Station CE (Middle) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						WQM was cancelled due to adverse weather															
CE	1/3/2023	Fine	12:44	8.7	4.4	18.90	18.85	8.21	8.21	32.75	32.76	80.90	79.65	6.25	6.18	4.51	4.76	4.4	4.6		
			12:45	8.7	4.4	18.80		8.20	8.20	32.76	32.76	78.40		6.10	6.18	5.00		4.5			
	4/3/2023	Fine	11:20	8.4	4.2	18.70	18.65	8.20	8.20	32.94	32.95	79.70	78.50	6.15	6.10	7.05	7.10	5.8	6.0		
			11:21	8.4	4.2	18.60		8.19	8.19	32.95	32.95	77.30		6.04	6.10	7.15		6.1			
	6/3/2023	Fine	11:04	8.7	4.4	18.80	18.85	8.19	8.19	32.97	32.97	80.40	79.55	6.25	6.18	6.54	6.57	6.4	6.6		
			11:05	8.7	4.4	18.90		8.19	8.19	32.96	32.96	78.70		6.10	6.18	6.60		6.8			
	8/3/2023	Cloudy	12:04	8.8	4.4	20.50	20.50	8.19	8.19	32.94	34.45	83.90	83.80	6.25	6.23	4.62	4.68	2.8	2.6		
			12:05	8.8	4.4	20.50		8.19	8.19	35.95		83.70		6.21	6.23	4.73		2.4			
	10/3/2023	Fine	13:04	8.7	4.4	21.00	21.00	8.24	8.24	32.85	32.85	82.70	83.45	6.13	6.18	3.99	3.84	1.1	1.3		
			13:05	8.7	4.4	21.00		8.23	8.23	32.84		84.20		6.22	6.18	3.68		1.4			
	13/3/2023	Cloudy	12:34	8.8	4.4	20.50	20.45	8.28	8.28	32.59	32.59	83.20	82.50	6.23	6.19	6.04	6.01	5.6	5.5		
			12:35	8.8	4.4	20.40		8.27	8.27	32.59		81.80		6.14	6.19	5.98		5.3			
	15/3/2023	Cloudy	16:44	8.6	4.3	21.10	21.10	8.37	8.37	32.62	32.62	84.60	84.20	6.24	6.21	3.35	3.41	2.1	2.2		
			16:45	8.6	4.3	21.10		8.36	8.36	32.62		83.80		6.18	6.21	3.47		2.2			
	18/3/2023	Cloudy	10:28	8.4	4.2	20.60	20.65	8.28	8.29	34.05	34.04	84.90	84.85	6.24	6.24	3.97	3.91	1.2	1.3		
			10:29	8.4	4.2	20.70		8.29	8.29	34.03		84.80		6.23	6.24	3.84		1.4			
	20/3/2023	Cloudy	10:44	8.5	4.3	20.40	20.40	8.32	8.32	34.28	34.29	84.40	83.90	6.24	6.22	4.67	4.56	2.6	2.8		
			10:45	8.5	4.3	20.40		8.32	8.32	34.29		83.40		6.19	6.22	4.45		2.9			
	22/3/2023	Cloudy	12:04	8.6	4.3	20.80	20.80	8.25	8.26	34.34	34.34	82.90	83.30	6.20	6.23	2.60	2.78	3.2	3.4		
			12:05	8.6	4.3	20.80		8.26	8.26	34.33		83.70		6.25	6.23	2.95		3.6			
	24/3/2023	Cloudy	13:16	8.7	4.4	21.40	21.40	8.20	8.20	34.16	34.16	84.10	83.70	6.14	6.20	3.92	4.01	4.1	4.4		
			13:17	8.7	4.4	21.40		8.20	8.20	34.16		83.30		6.26	6.20	4.10		4.6			

General Note: For calculation of average concentration of SS, the minimum value for 'NOT DETECTED' is treated as 1.0mg/L according to reporting limit.



Impact Water Quality Monitoring at Station CE (Middle) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						WQM was cancelled due to adverse weather													
CE	1/3/2023	Fine	9:17	8.5	4.3	18.80	18.80	8.21	8.21	32.76	32.76	78.00	78.95	6.05	6.11	6.49	6.43	7.2	7.5
			9:18	8.5	4.3	18.80		8.20	8.20	32.76		79.90		6.17	6.11	6.37		7.7	
	4/3/2023	Fine	15:02	8.7	4.4	18.80	18.80	8.22	8.22	32.92	32.92	80.10	80.05	6.18	6.18	7.59	7.52	7.2	7.4
			15:03	8.7	4.4	18.80		8.21	8.21	32.91		80.00		6.17	6.18	7.45		7.5	
	6/3/2023	Fine	8:03	8.4	4.2	18.80	18.85	8.18	8.18	32.00	32.00	81.70	81.05	6.26	6.23	5.91	5.95	8.1	8.3
			8:04	8.4	4.2	18.90		8.18	8.18	32.99	32.50	80.40		6.19	6.23	5.98		8.4	
	8/3/2023	Cloudy	8:14	8.5	4.3	20.00	20.00	8.19	8.19	32.95	32.96	81.10	81.95	6.12	6.19	5.53	5.48	3.3	3.5
			8:15	8.5	4.3	20.00		8.19	8.19	32.96		82.80		6.25	6.19	5.43		3.7	
	10/3/2023	Fine	8:25	8.4	4.2	20.80	20.80	8.23	8.23	32.83	32.83	84.10	83.10	6.24	6.18	4.51	4.49	1.2	1.3
			8:26	8.4	4.2	20.80		8.23	8.23	32.83		82.10		6.11	6.18	4.46		1.4	
	13/3/2023	Cloudy	9:30	8.5	4.3	83.20	82.45	8.29	8.29	32.58	32.58	83.20	82.45	6.19	6.16	6.56	6.49	6.9	7.1
			9:31	8.5	4.3	81.70		8.29	8.29	32.58		81.70		6.12	6.16	6.42		7.3	
	15/3/2023	Cloudy	8:23	8.4	4.2	20.80	20.75	8.38	8.38	32.63	32.64	82.80	82.20	6.15	6.14	4.48	4.50	4.3	4.2
			8:24	8.4	4.2	20.70		8.38	8.38	32.64		81.60		6.12	6.14	4.51		4.0	
	18/3/2023	Cloudy	13:34	8.5	4.3	21.00	21.00	8.30	8.31	34.14	34.14	84.80	85.00	6.27	6.28	3.40	3.45	1.5	1.4
			13:35	8.5	4.3	21.00		8.31	8.31	34.13		85.20		6.29	6.28	3.49		1.2	
	20/3/2023	Cloudy	8:12	8.3	4.2	20.30	20.30	8.31	8.32	34.26	34.26	82.20	82.80	6.12	6.16	5.37	5.46	3.1	3.0
			8:13	8.3	4.2	20.30		8.32	8.32	34.26		83.40		6.20	6.16	5.55		2.8	
	22/3/2023	Cloudy	8:14	8.7	4.4	20.80	20.75	8.22	8.23	34.32	34.32	83.40	82.80	6.21	6.19	2.50	2.42	3.6	3.8
			8:15	8.7	4.4	20.70		8.23	8.23	34.32		82.20		6.17	6.19	2.34		4.0	
	24/3/2023	Cloudy	8:42	8.5	4.3	21.20	21.20	8.18	8.18	34.07	34.08	84.90	83.75	6.23	6.16	4.90	4.69	3.0	2.8
			8:43	8.5	4.3	21.20		8.18	8.18	34.08		82.60		6.08	6.16	4.48		2.5	

General Note: For calculation of average concentration of SS, the minimum value for 'NOT DETECTED' is treated as 1.0mg/L according to reporting limit.







## Impact Water Quality Monitoring at Station CF (Middle) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L					
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						WQM was cancelled due to adverse weather																	
CF	1/3/2023	Fine	13:57	8.7	4.4	18.60	18.65	8.14	8.14	32.76	32.76	79.20	79.90	6.20	5.77	5.80	4.2	4.4					
			13:58	8.7	4.4	18.70		8.14	32.76	80.60	6.25	5.93											
	4/3/2023	Fine	10:04	8.3	4.2	18.90	18.90	8.08	8.09	32.91	32.91	80.00	80.55	6.19	7.32	7.26	4.9	4.7					
			10:05	8.3	4.2	18.90		8.10	32.90	81.10	6.18	7.19											
	6/3/2023	Fine	12:21	8.6	4.3	19.10	19.05	8.15	8.15	32.93	32.93	79.40	78.60	6.05	6.42	6.51	5.6	5.4					
			12:22	8.6	4.3	19.00		8.15	32.92	77.80	6.01	6.59											
	8/3/2023	Cloudy	13:19	8.8	4.4	20.20	20.20	8.19	8.19	32.82	32.82	83.10	81.50	6.29	4.99	5.02	5.4	5.5					
			13:20	8.8	4.4	20.20		8.18	32.82	79.90	6.08	5.04											
	10/3/2023	Fine	13:18	8.7	4.4	20.50	20.45	8.23	8.23	32.64	32.64	82.20	82.65	6.13	5.13	4.61	<1.0	1.0					
			13:19	8.7	4.4	20.40		8.23	32.64	83.10	6.21	4.09											
	13/3/2023	Cloudy	12:49	8.8	4.4	20.30	20.25	8.29	8.29	32.73	32.73	80.20	81.45	6.05	7.45	7.42	9.4	9.6					
			12:50	8.8	4.4	20.20		8.28	32.72	82.70	6.21	7.39											
	15/3/2023	Cloudy	18:01	8.7	4.4	20.90	20.95	8.27	8.28	32.58	32.59	84.30	83.95	6.20	6.19	4.51	4.47	2.2	2.4				
			18:02	8.7	4.4	21.00		8.28	32.59	83.60	6.18	4.43											
	18/3/2023	Cloudy	9:04	8.5	4.3	20.00	20.00	7.94	7.94	34.33	34.33	81.80	82.65	6.13	6.19	3.22	3.25	1.6	1.8				
			9:05	8.5	4.3	20.00		7.94	34.33	83.50	6.25	3.28											
	20/3/2023	Cloudy	11:59	8.7	4.4	20.40	20.40	8.25	8.26	34.51	34.51	81.50	82.40	6.07	7.88	7.54	5.3	5.5					
			12:00	8.7	4.4	20.40		8.27	34.51	83.30	6.22	7.40											
	22/3/2023	Cloudy	13:20	8.3	4.2	20.80	20.85	8.24	8.24	34.25	34.25	81.40	82.60	6.15	3.28	3.21	5.7	3.6					
			13:21	8.3	4.2	20.90		8.24	34.25	83.80	6.21	3.14											
	24/3/2023	Cloudy	14:34	8.8	4.4	21.70	21.55	8.16	8.16	33.93	33.89	83.20	83.10	6.11	4.71	4.74	3.3	3.5					
			14:35	8.8	4.4	21.40		8.16	33.84	83.00	6.19	4.77											
	27/3/2023	Strong Monsoon	WQM was cancelled due to adverse weather																				
	29/3/2023	Cloudy	18:52	8.8	4.4	20.20	20.15	8.18	8.18	33.91	33.91	81.80	82.60	6.13	6.19	6.90	6.85	4.0	4.3				
			18:53	8.8	4.4	20.10		8.17	33.90	83.40	6.25	6.79											
	31/3/2023	Cloudy	14:20	8.8	4.4	20.10	20.15	8.14	8.14	34.00	34.49	84.80	84.65	6.27	6.25	5.66	5.53	2.6	2.5				
			14:21	8.8	4.4	20.20		8.14	34.98	84.50	6.23	5.39											

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.

## Impact Water Quality Monitoring at Station CF (Middle) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L					
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						WQM was cancelled due to adverse weather																	
CF	1/3/2023	Fine	7:59	8.3	4.2	18.30	18.35	8.16	8.16	32.76	32.76	79.80	78.95	6.24	6.17	7.17	7.10	7.1	6.9				
			8:00	8.3	4.2	18.40		8.16	32.76	78.10	6.09	7.03											
	4/3/2023	Fine	16:21	8.7	4.4	19.00	19.00	8.14	8.14	32.88	32.88	81.00	80.80	6.19	6.77	6.85	5.2	5.4					
			16:22	8.7	4.4	19.00		8.14	32.88	80.60	6.18	6.92											
	6/3/2023	Fine	6:50	8.2	4.1	19.00	19.00	8.06	8.06	32.96	32.96	79.60	80.50	6.13	6.18	6.11	7.1	7.0					
			6:51	8.2	4.1	19.00		8.05	32.96	81.40	6.22	6.21											
	8/3/2023	Cloudy	6:59	8.5	4.3	19.80	19.80	8.05	8.05	32.66	32.66	82.30	81.20	6.26	5.40	5.41	5.2	5.0					
			7:00	8.5	4.3	19.80		8.05	32.65	80.10	6.10	5.42											
	10/3/2023	Fine	7:09	8.3	4.2	20.40	20.40	8.05	8.05	32.53	32.53	82.40	81.60	6.21	6.14	4.63	4.61	1.9	1.8				
			7:10	8.3	4.2	20.40		8.05	32.53	80.80	6.07	4.59											
	13/3/2023	Cloudy	8:14	8.5	4.3	20.40	20.40	8.08	8.09	32.29	32.30	79.47	80.50	6.03	6.09	4.09	4.11	5.3	5.2				
			8:15	8.5	4.3	20.40		8.09	32.30	81.70	6.15	4.13											
	15/3/2023	Cloudy	6:49	8.4	4.2	20.50	20.45	8.20	8.20	32.63	32.63	83.50	82.70	6.26	6.20	4.92	5.00	2.7	2.9				
			6:50	8.4	4.2	20.40		8.19	32.63	81.90	6.14	5.08											
	18/3/2023	Cloudy	14:47	8.8	4.4	20.60	20.60	8.30	8.30	34.09	34.09	85.70	85.50	6.28	6.26	3.57	3.53	1.2	1.3				
			14:48	8.8	4.4	20.60		8.30	34.08	85.30	6.24	3.49											
	20/3/2023	Cloudy	6:49	8.6	4.3	20.10	20.10	8.15	8.15	34.36	34.36	82.50	81.65	6.16	6.11	4.84	4.87	1.6	1.7				
			6:50	8.6	4.3	20.10		8.14	34.36	80.80	6.06	4.90											
	22/3/2023	Cloudy	6:49	8.7	4.4	20.70	20.70	8.11	8.11	34.13	34.13	83.20	82.25	6.18	6.11	3.08	2.94	5.6	5.4				
			6:50	8.7	4.4	20.70		8.11	34.13	81.30	6.04	2.80											
	24/3/2023	Cloudy	7:19	8.5	4.3	21.10	21.10	8.08	8.08	33.73	33.73	82.80	82.95	6.14	6.16	5.27	5.37	4.0	4.1				
			7:20	8.5	4.3	21.10		8.08	33.73	83.10	6.17	5.46											
	27/3/2023	Strong Monsoon	WQM was cancelled due to adverse weather																				
	29/3/2023	Cloudy	8:14	8.5	4.3	19.80	19.80	8.13	8.14	33.83	33.83	80.10	81.20	6.07	6.14	6.18	6.20	3.1	3.2				
			8:15	8.5	4.3	19.80		8.14	33.82	82.30	6.20	6.22											
	31/3/2023	Cloudy	7:34	8.3	4.2	20.20	20.15	7.97	7.98	33.87	33.87	83.00	81.55	6.19	6.14	4.95	4.87	1.9	1.8				
			7:35	8.3	4.2	20.10		7.98	33.87	80.10	6.08	4.79											

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.





## Impact Water Quality Monitoring at Station SR4 (surface) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						SR4	3/4/2023	Fine	10:57	3.5	1.0	20.20	20.25	8.04	8.04	34.14	34.15	81.90	82.30	6.13	6.14
			10:58	3.5	1.0	20.30		8.04	8.04	34.16		82.70		6.14	6.14	5.47		3.5			
	5/4/2023	Fine	11:25	3.4	1.0	21.10	21.05	8.03	8.02	34.13	34.13	83.90	83.60	6.20	6.22	6.24	6.18	7.0	6.8		
			11:26	3.4	1.0	21.00		8.02		34.13		83.30		6.23		8.12		6.6			
	7/4/2023	Fine	12:58	3.4	1.0	21.20	21.15	8.13	8.13	34.40	34.40	83.30	82.75	6.22	6.18	5.46	5.42	4.5	3.7		
			12:59	3.4	1.0	21.10		8.13		34.39		82.20		6.13		5.38		2.8			
	11/4/2023	Cloudy	15:25	3.7	1.0	21.50	21.45	8.12	8.12	33.74	33.74	83.30	83.15	6.23	6.25	4.76	4.79	1.4	1.6		
			15:26	3.7	1.0	21.40		8.12		33.73		83.00		6.26		4.82		1.8			
	13/4/2023	Fine	15:37	3.6	1.0	22.20	22.15	8.12	8.12	33.45	33.46	83.50	83.05	6.27	6.24	6.40	6.40	4.0	3.6		
			15:38	3.6	1.0	22.10		8.12		33.47		82.60		6.21		6.39		3.1			
	15/4/2023	Cloudy	17:46	3.4	1.0	23.50	23.50	8.21	8.21	32.97	32.98	83.30	83.95	6.14	6.19	3.05	3.00	4.0	3.8		
			17:47	3.4	1.0	23.50		8.21		32.98		84.60		6.24		2.95		3.6			
	17/4/2023	Cloudy	10:25	3.4	1.0	23.30	23.25	8.38	8.38	32.49	32.49	83.30	82.85	6.15	6.13	4.95	4.82	1.9	2.0		
			10:26	3.4	1.0	23.20		8.38		32.48		82.40		6.11		4.69		2.1			
	19/4/2023	Cloudy	11:25	3.5	1.0	24.10	24.05	8.42	8.42	32.67	32.67	83.00	82.05	6.27	6.20	5.46	5.41	1.5	1.5		
			11:26	3.5	1.0	24.00		8.41		32.67		81.10		6.12		5.35		1.4			
	22/4/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/4/2023	Cloudy	14:54	3.7	1.0	22.70	22.70	8.16	8.16	32.90	32.90	83.30	83.50	6.23	6.24	7.59	7.51	5.7	5.6		
			14:55	3.7	1.0	22.70		8.16		32.90		83.70		6.25		7.42		5.4			
			16:15	3.5	1.0	22.30	22.25	8.16	8.16	34.17	34.17	83.20	82.55	6.21	6.16	6.61	6.59	5.8	5.6		
			16:16	3.5	1.0	22.20		8.16		34.17		81.90		6.11		6.57		5.4			
	28/4/2023	cancel	18:25	3.5	1.0	22.80	22.85	8.25	8.25	33.54	33.54	84.20	83.90	6.25	6.23	6.08	6.16	5.4	5.6		
			18:26	3.5	1.0	22.90		8.24		33.54		83.60		6.20		6.23		5.8			

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR4 (surface) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						SR4	3/4/2023	Fine	16:28	3.1	1.0	20.30	20.30	8.09	8.10	34.13	34.13	84.00	83.30	6.21	6.20
			16:29	3.1	1.0	20.30		8.10		34.12		82.60		6.19		5.47		8.2			
	5/4/2023	Fine	17:52	3.2	1.0	21.30	21.30	8.03	8.03	34.13	34.13	83.30	83.95	6.22	6.24	6.14	6.11	6.5	6.7		
			17:53	3.2	1.0	21.30		8.03		34.12		84.60		6.25		8.07		6.6			
	7/4/2023	Fine	7:06	3.6	1.0	20.90	20.85	8.04	8.04	34.26	34.26	83.10	83.25	6.17	6.16	9.91	9.87	10.2	10.8		
			7:07	3.6	1.0	20.80		8.04		34.26		83.40		6.14		9.82		11.4			
	11/4/2023	Cloudy	8:04	3.4	1.0	20.90	20.90	7.99	7.99	33.69	33.69	85.10	85.60	6.10	6.15	5.72	5.71	<1.0	1.0		
			8:05	3.4	1.0	20.90		7.99		33.69		86.10		6.19		5.69		<1.0			
	13/4/2023	Fine	7:56	3.1	1.0	21.70	21.70	7.94	7.94	33.46	33.46	80.50	80.45	6.17	6.16	8.13	8.08	4.0	3.8		
			7:57	3.1	1.0	21.70		7.94		33.46		80.40		6.14		8.02		3.5			
	15/4/2023	Cloudy	7:52	3.2	1.0	23.00	23.00	8.14	8.14	32.80	32.80	80.20	80.00	6.17	6.14	3.85	3.92	2.8	3.0		
			7:53	3.2	1.0	23.00		8.13		32.80		79.80		6.10		3.99		3.1			
	17/4/2023	Cloudy	16:06	3.2	1.0	23.60	23.60	8.46	8.46	32.62	32.62	81.10	81.25	6.21	6.15	5.64	5.68	4.2	2.6		
			16:07	3.2	1.0	23.60		8.45		32.61		81.40		6.08		5.72		0.9			
	19/4/2023	Cloudy	17:49	3.4	1.0	23.30	23.35	8.43	8.43	32.53	32.53	82.90	83.85	6.20	6.24	4.72	4.71	4.2	4.3		
			17:50	3.4	1.0	23.40		8.43		32.53		84.80		6.27		4.69		4.3			
	22/4/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/4/2023	Cloudy	7:07	3.3	1.0	22.50	22.50	8.07	8.08	32.86	32.86	80.20	81.50	6.17	6.19	9.06	9.00	5.8	6.0		
			7:08	3.3	1.0	22.50		8.08		32.86		82.80		6.20		8.93		6.1			
	26/4/2023	Cloudy	7:49	3.3	1.0	21.90	21.90	8.09	8.09	33.98	33.98	81.30	82.10	6.09	6.14	6.74	6.88	9.4	9.7		
			7:50	3.3	1.0	21.90		8.09		33.97		82.90		6.19		7.01		10.0			
	28/4/2023	Fine	8:07	3.2	1.0	22.50	22.50	8.14	8.14	33.63	33.62	84.00	83.35	6.23	6.21	6.25	6.17	3.2	3.4		
			8:08	3.2	1.0	22.50		8.13		33.61		82.70		6.18		6.09		3.6			

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR4 (Bottom) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						WQM was cancelled due to adverse weather															
SR4	3/4/2023	Fine	10:59	3.5	2.5	20.20	20.20	8.03	8.04	34.14	34.15	83.50	83.25	6.26	6.23	5.30	5.32	6.7	6.9		
			11:00	3.5	2.5	20.20	20.20	8.04	8.04	34.15	34.15	83.00	83.00	6.20	6.20	5.34	5.34	7.1	7.1		
	5/4/2023	Fine	11:27	3.4	2.4	21.30	21.25	8.02	8.02	34.12	34.12	83.20	83.10	6.11	6.15	7.25	7.14	5.8	5.6		
			11:28	3.4	2.4	21.20	21.20	8.01	8.01	34.12	34.12	83.00	83.00	6.19	6.15	7.03	7.14	5.3	5.6		
	7/4/2023	Fine	13:00	3.4	2.4	21.20	21.20	8.13	8.13	34.10	34.10	84.30	83.60	6.26	6.20	6.78	6.74	4.8	3.5		
			13:01	3.4	2.4	21.20	21.20	8.13	8.13	34.10	34.10	82.90	83.60	6.14	6.20	6.69	6.74	2.1	3.5		
	11/4/2023	Cloudy	15:27	3.6	2.6	21.20	21.15	8.10	8.11	33.76	33.77	83.40	82.30	6.19	6.22	4.00	4.93	2.2	2.4		
			15:28	3.7	2.7	21.10	21.10	8.12	8.11	33.78	33.78	81.20	82.30	6.24	6.22	5.86	4.93	2.6	2.4		
	13/4/2023	Fine	15:39	3.6	2.6	22.20	22.20	8.12	8.12	33.44	33.44	83.50	83.05	6.33	6.27	4.44	4.40	7.2	6.8		
			15:40	3.6	2.6	22.20	22.20	8.12	8.12	33.44	33.44	82.60	83.05	6.20	6.27	4.44	4.40	6.4	6.8		
	15/4/2023	Cloudy	17:48	3.4	2.4	22.80	22.75	8.19	8.20	33.11	33.12	84.00	83.45	6.25	6.22	6.33	6.21	6.6	6.4		
			17:49	3.4	2.4	22.70	22.75	8.20	8.20	33.12	33.12	82.90	83.45	6.19	6.22	6.08	6.21	6.2	6.4		
	17/4/2023	Cloudy	10:27	3.5	2.4	23.30	23.30	8.34	8.34	32.57	32.57	83.80	83.20	6.21	6.19	13.62	13.60	16.5	16.7		
			10:28	3.4	2.4	23.30	23.30	8.34	8.34	32.57	32.57	82.60	83.20	6.16	6.19	13.58	13.60	16.8	16.7		
	19/4/2023	Cloudy	11:27	3.5	2.5	24.00	24.00	8.43	8.44	32.70	32.71	83.90	84.05	6.20	6.23	3.55	3.55	2.7	3.0		
			11:28	3.5	2.5	24.00	24.00	8.44	8.44	32.71	32.71	84.20	84.05	6.25	6.23	-	-	3.55	3.3		
	22/4/2023	Storm Monsoon	WQM was cancelled due to adverse weather																		
	24/4/2023	Cloudy	14:56	3.7	2.7	22.60	22.60	8.16	8.16	32.97	32.97	87.60	88.05	6.24	6.21	5.49	5.53	10.0	10.2		
			14:57	3.7	2.7	22.60	22.60	8.16	8.16	32.96	32.97	88.50	88.05	6.17	6.21	5.57	5.53	10.4	10.2		
	26/4/2023	Cloudy	16:17	3.5	2.5	22.30	22.25	8.18	8.17	34.26	34.26	82.80	83.55	6.17	6.23	5.70	5.69	7.3	7.2		
			16:18	3.5	2.5	22.20	22.25	8.16	8.17	34.26	34.26	84.30	83.55	6.28	6.23	5.67	5.69	7.0	7.2		
	28/4/2023	cancel	18:27	3.5	2.5	22.70	22.75	8.24	8.24	33.63	33.63	83.80	82.70	6.26	6.19	5.02	5.00	5.1	5.2		
			18:28	3.5	2.5	22.80	22.75	8.24	8.24	33.62	33.63	81.60	82.70	6.12	6.19	4.97	5.00	5.2	5.2		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR4 (Bottom) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						WQM was cancelled due to adverse weather															
SR4	3/4/2023	Fine	16:30	3.1	2.1	20.30	20.30	8.10	8.10	34.09	34.09	83.90	84.25	6.18	6.21	7.24	7.27	10.3	10.6		
			16:31	3.1	2.1	20.30	20.30	8.10	8.10	34.09	34.09	84.60	84.25	6.23	6.21	7.29	7.27	10.8	10.6		
	5/4/2023	Fine	17:54	3.2	2.2	21.40	21.35	8.02	8.02	34.13	34.13	83.50	83.40	6.19	6.18	7.59	7.64	7.5	7.3		
			17:55	3.2	2.2	21.30	21.35	8.02	8.02	34.13	34.13	83.30	83.40	6.16	6.18	7.68	7.64	7.0	7.3		
	7/4/2023	Fine	7:08	3.6	2.6	21.00	21.00	8.05	8.05	34.32	34.32	83.40	83.75	6.14	6.16	11.56	10.94	13.3	15.4		
			7:09	3.6	2.6	21.00	21.00	8.05	8.05	34.31	34.32	84.10	83.75	6.18	6.16	10.32	10.94	17.4	15.4		
	11/4/2023	Cloudy	8:06	3.4	2.4	20.90	20.90	8.00	8.00	33.70	33.70	85.90	86.75	6.18	6.21	5.25	5.21	1.3	1.4		
			8:07	3.4	2.4	20.90	20.90	8.00	8.00	33.69	33.70	87.60	86.75	6.24	6.21	5.16	5.21	1.4	1.4		
	13/4/2023	Fine	7:58	3.1	2.1	21.50	21.50	7.98	7.98	33.94	33.94	87.60	84.50	6.24	6.28	5.34	5.37	4.4	5.0		
			7:59	3.1	2.1	21.50	21.50	7.98	7.98	33.93	33.94	81.40	84.50	6.31	6.28	5.40	5.37	5.5	5.0		
	15/4/2023	Cloudy	7:54	3.2	2.2	22.80	22.80	8.14	8.14	32.97	32.89	83.00	81.60	6.20	6.19	6.15	6.12	3.8	4.0		
			7:55	3.2	2.2	22.80	22.80	8.14	8.14	32.80	32.89	80.20	81.60	6.17	6.19	6.09	6.12	4.1	4.0		
	17/4/2023	Cloudy	16:08	3.2	2.2	22.90	22.95	8.37	8.37	33.09	33.09	82.60	81.75	6.21	6.14	6.57	6.62	9.5	10.4		
			16:09	3.2	2.2	23.00	22.95	8.37	8.37	33.08	33.09	80.90	81.75	6.07	6.14	6.66	6.62	11.2	10.4		
	19/4/2023	Cloudy	17:51	3.4	2.4	22.90	22.90	8.42	8.42	33.01	33.01	84.50	84.65	6.23	6.25	6.07	6.02	8.4	7.8		
			17:52	3.4	2.4	22.90	22.90	8.41	8.42	33.00	33.01	84.80	84.65	6.27	6.25	5.97	6.02	7.1	7.8		
	22/4/2023	Storm Monsoon	WQM was cancelled due to adverse weather																		
	24/4/2023	Cloudy	7:09	3.3	2.3	22.50	22.50	8.06	8.06	32.87	32.87	83.50	83.05	6.20	6.28	9.04	9.01	11.8	11.7		
			7:10	3.3	2.3	22.50	22.50	8.06	8.06	32.87	32.87	82.60	83.05	6.36	6.28	8.98	9.01	11.6	11.7		
	26/4/2023	Cloudy	7:51	3.3	2.3	21.90	21.90	8.10	8.10	34.03	34.04	83.70	82.80	6.24	6.19	7.30	7.34	6.8	6.5		
			7:52	3.3	2.3	21.90	21.90	8.10	8.10	34.04	34.04	81.90	82.80	6.13	6.19	7.38	7.34	6.2	6.5		
	28/4/2023	Fine	8:09	3.2	2.2	22.50	22.45	8.14	8.14	33.74	33.74	84.10	83.80	6.24	6.21	7.01	6.98	4.0	4.0		
			8:10	3.2	2.2	22.40	22.45	8.14	8.14	33.73	33.73	83.50	83.80	6.18	6.21	6.95	6.98	4.0	4.0		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR5 (surface) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						SR5	3/4/2023	Fine	11:10	4.4	1.0	20.20	20.15	8.04	8.04	34.03	34.03	83.70	84.00	6.25	6.27
			11:11	4.4	1.0	20.10		8.03		34.02		84.30		6.29		4.56			5.2		
	5/4/2023	Fine	11:33	4.5	1.0	21.30	21.30	8.02	8.02	34.01	34.02	83.30	83.70	6.23	6.22	7.02	7.07	6.1	6.3		
			11:34	4.5	1.0	21.30		8.02		34.03		84.10		6.21		7.12			6.4		
	7/4/2023	Fine	12:49	4.3	1.0	21.30	21.30	8.12	8.12	34.29	34.30	81.30	82.10	6.09	6.14	4.33	4.37	3.4	3.0		
			12:50	4.3	1.0	21.30		8.12		34.30		82.90		6.19		4.40			2.6		
	11/4/2023	Cloudy	15:28	4.7	1.0	21.60	21.55	8.11	8.11	33.69	33.69	84.20	84.05	6.25	6.23	4.24	4.21	<1.0	1.0		
			15:17	4.8	1.0	21.50		8.10		33.68		83.90		6.20		4.17			<1.0		
	13/4/2023	Fine	15:28	4.7	1.0	22.50	22.45	8.13	8.14	33.20	33.20	83.00	82.90	6.20	6.19	4.57	4.60	1.9	1.6		
			15:29	4.7	1.0	22.40		8.14		33.20		82.80		6.18		4.62			1.3		
	15/4/2023	Cloudy	17:37	4.2	1.0	23.70	23.70	8.25	8.25	32.38	32.39	83.30	83.55	6.15	6.18	2.71	2.77	2.3	2.2		
			17:38	4.2	1.0	23.70		8.24		32.39		83.80		6.21		2.83			2.1		
	17/4/2023	Cloudy	10:32	4.4	1.0	23.40	23.35	8.35	8.35	32.64	32.64	84.10	83.45	6.23	6.22	5.24	5.31	4.2	3.7		
			10:33	4.2	1.0	23.30		8.34		32.63		82.80		6.21		5.37			3.2		
	19/4/2023	Cloudy	11:35	4.4	1.0	24.10	24.10	8.44	8.44	32.70	32.71	81.20	82.80	6.24	6.22	2.53	2.51	3.2	3.7		
			11:36	4.4	1.0	24.10		8.44		32.71		84.40		6.19		2.48			4.1		
	22/4/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/4/2023	Cloudy	14:45	4.7	1.0	22.60	22.65	8.16	8.17	32.68	32.69	86.10	87.30	6.19	6.18	7.01	6.71	4.6	4.8		
			14:46	4.7	1.0	22.70		8.17		32.69		88.50		6.17		6.40			5.0		
	26/4/2023	Cloudy	16:06	4.4	1.0	22.20	22.20	8.18	8.19	33.85	33.85	83.80	82.80	6.27	6.21	6.24	6.17	2.8	2.7		
			16:07	4.4	1.0	22.20		8.19		33.85		81.80		6.14		6.09			2.6		
	28/4/2023	cancel	18:16	4.4	1.0	22.90	22.90	8.24	8.24	33.54	33.54	82.50	82.15	6.16	6.15	6.02	6.00	3.3	3.2		
			18:17	4.4	1.0	22.90		8.24		33.53		81.80		6.14		5.98			3.0		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR5 (surface) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L		
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	
						SR5	3/4/2023	Fine	16:18	4.0	1.0	20.30	20.30	8.09	8.09	34.05	34.05	84.20	84.35	6.23
			16:19	4.0	1.0	20.30		8.09		34.04		84.50		6.24		6.59			6.8	
	5/4/2023	Fine	17:45	4.1	1.0	21.40	21.40	8.03	8.03	34.08	34.08	82.30	82.90	6.13	6.16	7.14	7.11	6.8	6.9	
			17:46	4.1	1.0	21.40		8.03		34.08		83.50		6.19		7.08			7.0	
	7/4/2023	Fine	7:18	4.5	1.0	21.00	21.00	8.08	8.08	34.24	34.24	85.10	84.75	6.26	6.23	6.53	6.65	3.4	3.4	
			7:19	4.5	1.0	21.00		8.07		34.24		84.40		6.20		6.76			3.4	
	11/4/2023	Cloudy	8:17	4.3	1.0	21.20	21.15	8.03	8.03	33.73	33.73	83.10	81.80	6.30	6.29	3.99	4.02	<1.0	1.0	
			8:18	4.3	1.0	21.10		8.02		33.73		80.50		6.28		4.05			<1.0	
	13/4/2023	Fine	8:03	4.1	1.0	22.20	22.15	8.00	8.00	32.91	32.90	83.90	84.05	6.20	6.23	3.04	3.10	4.6	4.7	
			8:04	4.1	1.0	22.10		8.00		32.89		84.20		6.25		3.15			4.7	
	15/4/2023	Cloudy	8:04	4.0	1.0	23.20	23.15	8.17	8.17	32.74	32.74	80.00	80.55	6.10	6.14	3.84	3.90	3.0	3.3	
			8:05	4.0	1.0	23.10		8.16		32.74		81.10		6.18		3.95			3.6	
	17/4/2023	Cloudy	15:58	3.9	1.0	24.00	23.95	8.47	8.47	32.65	32.65	83.50	83.00	6.25	6.23	4.89	4.91	4.2	4.6	
			15:59	3.9	1.0	23.90		8.47		32.65		82.50		6.20		4.93			4.9	
	19/4/2023	Cloudy	17:39	4.3	1.0	23.40	23.35	8.41	8.41	32.37	32.37	84.00	84.20	6.20	6.16	5.45	5.54	2.9	2.9	
			17:40	4.3	1.0	23.30		8.40		32.37		84.40		6.12		5.62			2.9	
	22/4/2023	Strong Monsoon	WQM was cancelled due to adverse weather																	
	24/4/2023	Cloudy	7:19	4.4	1.0	22.50	22.45	8.10	8.10	32.69	32.70	83.00	82.90	6.20	6.22	6.84	6.82	3.8	3.7	
			7:20	4.4	1.0	22.40		8.10		32.70		82.80		6.24		6.80			3.6	
	26/4/2023	Cloudy	8:02	4.1	1.0	21.60	21.65	8.12	8.12	33.54	33.55	82.00	82.55	6.12	6.15	5.23	5.20	6.2	6.3	
			8:03	4.1	1.0	21.70		8.12		33.55		83.10		6.18		5.17			6.4	
	28/4/2023	Fine	8:20	4.1	1.0	22.50	22.50	8.15	8.15	33.49	33.50	82.10	82.75	6.10	6.16	5.30	5.25	2.3	2.4	
			8:21	4.1	1.0	22.50		8.14		33.50		83.40		6.21		5.19			2.5	

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR5 (Bottom) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						WQM was cancelled due to adverse weather															
SR5	3/4/2023	Fine	11:13	4.4	3.4	20.30	20.30	8.03	8.03	34.02	34.02	81.90	82.50	6.07	6.13	6.37	6.25	6.6	6.4		
			11:14	4.4	3.4	20.30	20.30	8.03	8.03	34.02	34.02	83.10	82.50	6.18	6.13	6.12	6.25	6.2	6.2		
			11:36	4.5	3.5	21.10	21.10	8.02	8.02	34.09	34.09	83.00	83.70	6.27	6.26	7.93	7.81	9.0	8.8		
	5/4/2023	Fine	11:37	4.5	3.5	21.10	21.10	8.02	8.02	34.09	34.09	84.40	83.70	6.25	6.26	7.68	7.81	8.5	8.8		
			12:52	4.3	3.3	21.20	21.20	8.11	8.11	34.30	34.30	83.10	82.55	6.18	6.15	5.69	5.02	3.1	2.4		
	7/4/2023	Fine	12:53	4.3	3.3	21.20	21.20	8.11	8.11	34.30	34.30	82.00	82.00	6.12	6.15	4.35	4.35	1.7	1.7		
			15:19	4.8	3.8	21.50	21.50	8.11	8.11	33.69	33.69	81.10	82.05	6.12	6.20	5.01	5.05	1.2	1.3		
	11/4/2023	Cloudy	15:20	4.8	3.8	21.50	21.50	8.11	8.11	33.69	33.69	83.00	83.00	6.27	6.20	5.09	5.05	1.3	1.3		
			15:31	4.7	3.7	22.50	22.50	8.13	8.13	33.24	33.24	80.20	81.50	6.17	6.19	4.77	4.78	1.9	1.7		
	13/4/2023	Fine	15:32	4.7	3.7	22.50	22.50	8.13	8.13	33.24	33.24	82.80	81.50	6.20	6.19	4.79	4.78	1.4	1.4		
			17:40	4.2	3.2	23.50	23.50	8.25	8.25	32.67	32.67	80.70	81.30	6.09	6.12	2.09	2.14	2.8	2.7		
	15/4/2023	Cloudy	17:41	4.2	3.2	23.60	23.60	8.25	8.25	32.67	32.67	81.90	81.30	6.14	6.12	2.18	2.14	2.5	2.5		
			10:35	4.4	3.2	23.20	23.25	8.31	8.32	32.89	32.90	82.80	82.95	6.19	6.20	5.45	5.52	5.2	4.6		
	17/4/2023	Cloudy	10:36	4.2	3.2	23.30	23.25	8.32	8.32	32.90	32.90	83.10	82.95	6.21	6.20	5.58	5.52	4.0	4.0		
			11:38	4.4	3.4	24.10	24.10	8.45	8.45	32.70	32.70	83.00	83.15	6.26	6.25	4.89	4.85	2.7	2.6		
	19/4/2023	Cloudy	11:39	4.4	3.4	24.10	24.10	8.44	8.44	32.70	32.70	83.30	83.15	6.23	6.25	4.80	4.85	2.5	2.5		
			22/4/2023	Storm Monsoon	WQM was cancelled due to adverse weather																
	24/4/2023	Cloudy	14:48	4.7	3.7	22.60	22.60	8.17	8.17	32.84	32.84	83.00	83.00	6.20	6.22	7.14	7.08	6.2	6.5		
			14:49	4.7	3.7	22.60	22.60	8.17	8.17	32.84	32.84	83.00	83.00	6.23	6.22	7.02	7.08	6.8	6.5		
	26/4/2023	Cloudy	16:09	4.4	3.4	22.20	22.15	8.18	8.18	34.10	34.10	82.50	81.65	6.16	6.11	6.37	6.38	3.4	3.6		
			16:10	4.4	3.4	22.10	22.15	8.18	8.18	34.09	34.10	80.80	81.65	6.06	6.11	6.39	6.38	3.7	3.6		
	28/4/2023	cancel	18:19	4.4	3.4	23.00	23.00	8.24	8.24	33.50	33.50	81.90	82.55	6.11	6.16	6.13	6.21	4.2	4.1		
			18:20	4.4	3.4	23.00	23.00	8.23	8.24	33.50	33.50	83.20	82.55	6.21	6.16	6.28	6.21	3.9	3.9		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR5 (Bottom) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						WQM was cancelled due to adverse weather															
SR5	3/4/2023	Fine	16:21	4.0	3.0	20.30	20.25	8.10	8.10	34.04	34.04	83.50	83.85	6.25	6.24	6.29	6.31	5.7	5.5		
			16:22	4.0	3.0	20.20	20.25	8.09	8.10	34.04	34.04	84.20	83.85	6.23	6.24	6.32	6.31	5.2	5.2		
			17:48	4.1	3.1	21.30	21.25	8.02	8.02	34.08	34.09	81.50	81.85	6.07	6.09	7.73	7.78	8.0	7.8		
	5/4/2023	Fine	17:49	4.1	3.1	21.20	21.25	8.02	8.02	34.08	34.09	82.20	81.85	6.11	6.09	7.82	7.78	7.6	7.8		
			7:21	4.5	3.5	21.00	21.00	8.09	8.09	34.26	34.26	83.40	83.25	6.14	6.13	6.24	6.31	4.4	4.0		
	7/4/2023	Fine	7:22	4.5	3.5	21.00	21.00	8.08	8.09	34.25	34.26	83.10	83.25	6.12	6.13	6.37	6.31	3.6	3.6		
			8:20	4.3	3.3	21.10	21.05	8.04	8.04	33.86	33.86	80.40	80.45	6.14	6.16	5.34	5.30	<1.0	1.0		
	11/4/2023	Cloudy	8:21	4.3	3.3	21.00	21.05	8.04	8.04	33.85	33.86	80.50	80.45	6.17	6.16	5.26	5.30	<1.0	1.0		
			8:06	4.1	3.1	22.20	22.20	8.01	8.01	33.18	33.19	84.30	84.20	6.19	6.23	4.44	4.40	4.1	4.8		
	13/4/2023	Fine	8:07	4.1	3.1	22.20	22.20	8.00	8.00	33.20	33.19	84.10	84.20	6.27	6.23	4.36	4.40	5.5	5.5		
			8:07	4.0	3.0	22.20	22.20	8.10	8.10	33.56	34.57	83.80	83.40	6.26	6.23	7.80	7.75	7.2	7.0		
	15/4/2023	Cloudy	8:08	4.0	3.0	22.20	22.20	8.10	8.10	35.57	35.57	83.00	83.40	6.20	6.23	7.69	7.69	6.8	6.8		
			16:00	3.9	2.9	23.20	23.25	8.40	8.41	32.96	32.96	83.20	82.50	6.23	6.19	6.36	6.39	6.0	6.4		
	17/4/2023	Cloudy	16:01	3.9	2.9	23.30	23.25	8.41	8.41	32.95	32.96	81.80	82.50	6.14	6.19	6.42	6.39	6.7	6.7		
			17:42	4.3	3.3	23.00	23.05	8.41	8.41	32.52	32.52	83.70	83.30	6.24	6.22	4.00	4.09	4.2	3.9		
	19/4/2023	Cloudy	17:43	4.3	3.3	23.10	23.05	8.41	8.41	32.51	32.51	82.90	83.30	6.19	6.22	4.17	4.09	3.6	3.6		
			22/4/2023	Storm Monsoon	WQM was cancelled due to adverse weather																
	24/4/2023	Cloudy	7:22	4.4	3.4	22.60	22.55	8.10	8.10	32.81	32.81	83.50	83.35	6.27	6.26	6.74	6.77	5.1	5.3		
			7:23	4.4	3.4	22.50	22.55	8.10	8.10	32.81	32.81	83.20	83.35	6.25	6.26	6.79	6.77	5.5	5.3		
	26/4/2023	Cloudy	8:05	4.1	3.1	22.00	21.95	8.13	8.13	34.17	34.17	83.30	82.75	6.22	6.18	8.13	8.21	5.1	5.3		
			8:06	4.1	3.1	21.90	21.95	8.12	8.13	34.17	34.17	82.20	82.75	6.13	6.18	8.28	8.21	5.4	5.3		
	28/4/2023	Fine	8:23	4.1	3.1	22.50	22.45	8.16	8.16	33.53	33.53	82.40	82.75	6.19	6.20	8.01	7.98	2.8	3.0		
			8:24	4.1	3.1	22.40	22.45	8.16	8.16	33.53	33.53	83.10	82.75	6.20	6.20	7.95	7.98	3.2	3.0		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.





Impact Water Quality Monitoring at Station SR6 (Middle) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						SR6															
SR6	3/4/2023	Fine	11:20	2.6	1.3	20.20	20.20	8.02	8.02	34.03	34.03	81.90	82.25	6.14	6.15	5.42	5.44	6.1	6.0		
			11:21	2.6	1.3	20.20		8.02	8.02	34.03		82.60		6.16		5.45		5.8			
	5/4/2023	Fine	11:43	2.6	1.3	21.20	21.20	8.02	8.03	34.03	34.04	84.10	84.15	6.29	6.24	7.51	7.47	6.0	5.8		
			11:44	2.6	1.3	21.20		8.03	8.03	34.05		84.20		6.25		7.42		5.5			
	7/4/2023	Fine	12:40	2.6	1.3	21.30	21.25	8.13	8.12	34.33	34.33	82.90	83.30	6.19	6.22	5.51	5.49	11.0	10.3		
			12:41	2.6	1.3	21.20		8.11	8.11	34.32		83.70		6.24		5.47		9.6			
	11/4/2023	Cloudy	15:07	2.7	1.4	21.60	21.60	8.11	8.11	33.77	33.77	80.10	81.65	6.07	6.09	3.08	3.14	1.6	1.7		
			15:08	2.7	1.4	21.60		8.11	8.11	33.77		83.20		6.11		3.19		1.8			
	13/4/2023	Fine	1:19	2.6	1.3	22.60	22.55	8.14	8.14	33.24	33.25	84.20	84.15	6.25	6.25	2.88	2.92	1.2	1.3		
			1:20	2.6	1.3	22.50		8.13	8.13	33.25		84.10		6.25		2.95		1.4			
	15/4/2023	Cloudy	17:28	2.7	1.4	23.80	23.80	8.23	8.23	32.46	32.47	82.40	83.35	6.21	6.23	3.60	3.68	2.1	2.4		
			17:29	2.7	1.2	23.80		8.23	8.23	32.47		84.30		6.24		3.76		2.6			
	17/4/2023	Cloudy	10:41	2.6	1.2	23.60	23.60	8.35	8.35	32.69	32.69	83.20	83.15	6.22	6.21	4.90	4.94	3.0	3.2		
			10:42	2.4	1.2	23.60		8.35	8.35	32.69		83.10		6.19		4.98		3.4			
19/4/2023	Cloudy	11:45	2.6	1.3	24.10	24.05	8.45	8.45	32.68	32.68	82.70	83.00	6.29	6.26	3.72	3.84	2.0	1.9			
		11:46	2.6	1.3	24.00		8.45	8.45	32.67		83.30		6.23		3.95		1.7				
22/4/2023	Storm Monsoon	WQM was cancelled due to adverse weather																			
24/4/2023	Cloudy	14:37	2.8	1.4	22.60	22.55	8.17	8.17	32.66	32.66	80.50	80.45	6.17	6.16	7.20	7.24	5.2	5.4			
		14:38	2.8	1.4	22.50		8.16	8.17	32.65		80.40		6.14		7.28		5.5				
26/4/2023	Cloudy	13:48	2.5	1.3	22.10	22.05	8.18	8.19	33.87	33.88	81.60	82.70	6.12	6.19	4.44	4.51	3.1	3.0			
		13:49	2.5	1.3	22.00		8.19	8.19	33.88		83.80		6.26		4.57		2.8				
28/4/2023	cancel	18:07	2.6	1.3	22.90	22.85	8.24	8.24	33.52	33.52	84.10	83.35	6.26	6.21	4.37	4.28	3.4	3.4			
		18:08	2.6	1.3	22.80		8.23	8.24	33.52		82.60		6.16		4.19		3.3				

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



Impact Water Quality Monitoring at Station SR6 (Middle) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						SR6													
SR6	3/4/2023	Fine	16:09	2.3	1.2	20.30	20.25	8.10	8.10	34.02	34.03	81.80	82.20	6.13	6.16	5.37	5.39	8.3	8.1
			16:10	2.3	1.2	20.20		8.10	8.10	34.04		82.60		6.19		5.41		7.9	
	5/4/2023	Fine	17:36	2.4	1.2	21.20	21.20	8.22	8.12	34.04	34.05	82.30	82.25	6.13	6.12	7.34	7.27	6.1	6.3
			17:37	2.4	1.2	21.20		8.02	8.12	34.06		82.20		6.11		7.19		6.4	
	7/4/2023	Fine	7:28	2.8	1.4	21.00	21.00	8.08	8.08	34.33	34.33	84.10	83.60	6.22	6.20	5.46	5.42	7.2	6.9
			7:29	2.8	1.4	21.00		8.08	8.08	34.32		83.10		6.17		5.37		6.6	
	11/4/2023	Cloudy	8:27	2.4	1.2	21.20	21.15	8.04	8.04	33.69	33.70	83.70	83.15	6.32	6.32	3.21	3.29	1.0	1.1
			8:28	2.4	1.2	21.10		8.03	8.04	33.70		82.60		6.31		3.36		1.2	
	13/4/2023	Fine	8:11	2.3	1.2	22.30	22.30	8.02	8.02	33.20	33.20	81.20	82.80	6.24	6.22	4.76	4.73	3.9	3.1
			8:12	2.3	1.2	22.30		8.02	8.02	33.19		84.40		6.19		4.70		2.3	
	15/4/2023	Cloudy	8:15	2.5	1.3	23.20	23.20	8.15	8.15	32.74	32.74	84.10	83.85	6.24	6.23	4.23	4.20	4.2	4.0
			8:16	2.5	1.3	23.20		8.15	8.15	32.74		83.60		6.21		4.16		3.8	
	17/4/2023	Cloudy	15:49	2.2	1.1	24.00	24.05	8.47	8.47	32.66	32.66	81.50	81.90	6.11	6.17	5.46	5.39	5.4	4.9
			15:50	2.2	1.1	24.10		8.47	8.47	32.65		82.30		6.23		5.32		4.4	
19/4/2023	Cloudy	17:30	2.5	1.3	23.30	23.30	8.41	8.41	32.49	32.49	82.00	82.55	6.12	6.15	5.36	5.32	1.8	2.1	
		17:31	2.5	1.3	23.30		8.41	8.41	32.48		83.10		6.18		5.28		2.4		
22/4/2023	Storm Monsoon	WQM was cancelled due to adverse weather																	
24/4/2023	Cloudy	7:31	2.6	1.3	22.50	22.50	8.11	8.11	32.70	32.70	83.00	83.00	6.19	6.20	6.56	6.47	4.1	4.5	
		7:32	2.6	1.3	22.50		8.10	8.10	32.70		83.00		6.20		6.37		4.8		
26/4/2023	Cloudy	8:13	2.4	1.2	21.70	21.75	8.13	8.13	33.77	33.78	83.00	82.50	6.20	6.17	4.82	4.80	6.7	6.6	
		8:14	2.4	1.2	21.80		8.13	8.13	33.78		82.00		6.13		4.77		6.4		
28/4/2023	Fine	8:35	2.3	1.2	22.50	22.45	8.16	8.16	33.50	33.50	82.70	82.55	6.18	6.19	4.60	4.68	2.8	3.0	
		8:36	2.3	1.2	22.40		8.15	8.16	33.50		82.40		6.19		4.75		3.2		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR9 (surface) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR9	3/4/2023	Fine	15:55	4.5	1.0	20.20	20.15	8.05	8.06	34.80	34.45	83.30	83.15	6.23	6.21	4.96	4.70	5.9	3.5		
			15:56	4.5	1.0	20.10		8.06		34.09		83.00		6.19		4.73					
	5/4/2023	Fine	11:57	4.4	1.0	21.00	21.05	8.04	8.05	34.12	34.12	82.80	81.50	6.20	6.19	8.77	8.74	7.0	6.7		
			11:58	4.4	1.0	21.10		8.05		34.12		80.20		6.17		8.70					
	7/4/2023	Fine	12:26	4.2	1.0	20.60	20.60	8.09	8.10	34.34	34.35	84.40	84.20	6.12	6.16	6.80	6.78	4.4	3.5		
			12:27	4.2	1.0	20.60		8.10		34.36		84.00		6.20		6.75					
	11/4/2023	Cloudy	14:53	4.7	1.0	21.30	21.25	8.08	8.09	33.74	33.74	83.70	82.80	6.24	6.19	6.79	6.66	1.4	1.5		
			14:54	4.7	1.0	21.20		8.09		33.73		81.90		6.13		6.53					
	13/4/2023	Fine	15:05	4.5	1.0	21.70	21.70	8.09	8.10	32.59	32.60	83.00	82.65	6.23	6.19	2.57	2.63	1.9	2.1		
			15:06	4.5	1.0	21.70		8.10		32.60		82.30		6.15		2.69					
	15/4/2023	Cloudy	17:14	4.4	1.0	22.90	22.85	8.12	8.12	32.91	32.91	81.10	72.05	6.18	6.19	4.56	4.47	3.2	3.0		
			17:15	4.4	1.0	22.80		8.12		32.90		63.00		6.20		4.37					
	17/4/2023	Cloudy	10:55	4.5	1.0	23.60	23.60	81.80	82.40	32.49	32.50	81.80	82.40	6.14	6.18	4.61	5.59	3.4	4.0		
			10:56	4.2	1.0	23.60		83.00		32.50		83.00		6.22		6.57					
	19/4/2023	Cloudy	11:59	4.5	1.0	23.90	23.85	8.43	8.43	32.72	32.73	82.60	83.15	6.16	6.21	3.97	4.02	1.5	1.8		
			12:00	4.5	1.0	23.80		8.43		32.74		83.70		6.25		4.06					
	22/4/2023	Storm Monsoon	WQM was cancelled due to adverse weather																		
	24/4/2023	Cloudy	14:25	4.7	1.0	22.70	22.75	8.14	8.14	32.55	32.55	87.60	85.90	6.24	6.25	7.16	7.10	3.1	3.4		
			14:26	4.7	1.0	22.80		8.13		32.55		84.20		6.25		7.04					
	26/4/2023	Cloudy	15:43	4.6	1.0	21.50	21.50	8.13	8.14	33.99	33.99	84.20	83.90	6.25	6.23	7.80	7.87	6.5	6.7		
			15:44	4.6	1.0	21.50		8.14		33.98		83.60		6.20		7.94					
	28/4/2023	cancel	17:53	4.3	1.0	22.80	22.75	8.19	8.20	33.46	33.51	82.80	83.55	6.17	6.23	7.25	7.17	3.4	3.5		
			17:54	4.3	1.0	22.70		8.20		33.56		84.30		6.28		7.09					

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR9 (surface) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG		
SR9	3/4/2023	Fine	15:55	4.3	1.0	20.20	20.20	8.06	8.07	34.05	34.06	83.70	83.60	6.25	6.25	5.09	5.13	6.9	6.8		
			15:56	4.3	1.0	20.20		8.07		34.07		83.50		6.24		5.17					
	5/4/2023	Fine	17:23	4.3	1.0	21.10	21.15	8.05	8.06	34.13	34.13	83.10	82.50	6.18	6.15	8.59	8.51	7.0	6.8		
			17:24	4.3	1.0	21.20		8.06		34.13		81.90		6.11		8.42					
	7/4/2023	Fine	7:39	4.4	1.0	20.70	20.65	8.09	8.10	34.27	34.27	84.40	83.70	6.23	6.25	5.79	5.75	4.3	4.2		
			7:40	4.4	1.0	20.60		8.10		34.27		83.00		6.26		5.70					
	11/4/2023	Cloudy	8:41	4.4	1.0	21.30	21.25	8.08	8.08	33.79	33.79	81.10	81.65	6.22	6.17	4.01	4.09	1.8	1.7		
			8:42	4.4	1.0	21.20		8.08		33.78		82.20		6.11		4.17					
	13/4/2023	Fine	8:25	4.2	1.0	21.70	21.70	8.08	8.08	32.70	32.70	87.60	86.75	6.24	6.21	4.50	4.55	4.2	4.8		
			8:26	4.2	1.0	21.70		8.08		32.69		85.90		6.18		4.59					
	15/4/2023	Cloudy	8:29	4.2	1.0	22.90	22.90	8.12	8.13	32.98	32.99	83.40	83.70	6.14	6.16	2.35	2.43	2.6	2.8		
			8:30	4.2	1.0	22.90		8.13		32.99		84.00		6.18		2.50					
	17/4/2023	Cloudy	15:35	3.9	1.0	23.70	23.65	8.41	8.41	32.36	32.36	79.90	80.85	6.05	6.12	3.36	3.38	4.6	5.1		
			15:36	3.9	1.0	23.60		8.40		32.36		81.80		6.18		3.39					
	19/4/2023	Cloudy	17:18	4.3	1.0	23.90	23.85	8.42	8.42	32.73	32.74	83.00	82.50	6.20	6.17	4.44	4.37	2.6	2.4		
			17:19	4.3	1.0	23.80		8.41		32.74		82.00		6.13		4.29					
	22/4/2023	Storm Monsoon	WQM was cancelled due to adverse weather																		
	24/4/2023	Cloudy	7:45	4.5	1.0	22.70	22.65	8.14	8.14	32.56	32.56	82.80	82.90	6.20	6.22	6.55	6.54	5.4	5.6		
			7:46	4.5	1.0	22.60		8.14		32.55		83.00		6.23		6.53					
	26/4/2023	Cloudy	8:27	4.3	1.0	21.30	21.30	8.13	8.13	34.05	34.06	82.80	83.40	6.15	6.20	5.91	5.95	3.8	3.7		
			8:28	4.3	1.0	21.30		8.13		34.07		84.00		6.25		5.99					
	28/4/2023	Fine	8:49	4.0	1.0	22.70	22.65	8.17	8.18	33.60	33.60	82.60	83.35	6.16	6.21	6.01	6.12	4.9	4.7		
			8:50	4.0	1.0	22.60		8.18		33.59		84.10		6.26		6.23					

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



Impact Water Quality Monitoring at Station SR9 (Bottom) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						SR9	3/4/2023	Fine	15:58	4.5	3.5	20.20	20.20	8.06	8.06	34.07	34.07	82.30	81.75	6.20	6.22
			15:59	4.5	3.5	20.20		8.06		34.07		81.20		6.24		4.72		6.1			
	5/4/2023	Fine	12:00	4.4	3.4	20.90	20.85	8.04	8.04	34.13	34.13	82.80	82.90	6.24	6.22	7.93	7.86	7.5	7.7		
			12:01	4.4	3.4	20.80		8.04		34.13		83.00		6.20		7.78		7.9			
	7/4/2023	Fine	12:29	4.2	3.2	20.70	20.70	8.10	8.10	34.35	34.35	84.80	84.65	6.27	6.25	6.59	6.67	6.9	6.1		
			12:30	4.2	3.2	20.70		8.10		34.35		84.50		6.23		6.75		5.3			
	11/4/2023	Cloudy	14:56	4.7	3.7	21.20	21.20	8.08	8.08	33.73	33.73	82.90	82.10	6.19	6.14	4.27	4.32	1.7	1.8		
			14:57	4.7	3.7	21.20		8.08		33.73		81.30		6.09		4.37		1.9			
	13/4/2023	Fine	15:08	4.5	3.5	21.80	21.80	8.09	8.09	32.67	32.67	80.20	80.00	6.11	6.11	4.33	4.29	3.5	2.9		
			15:09	4.5	3.5	21.80		8.09		32.67		79.80		6.10		4.25		2.3			
	15/4/2023	Cloudy	17:17	4.4	3.4	22.40	22.40	8.12	8.12	33.30	33.30	84.10	83.85	6.24	6.23	4.57	4.60	4.0	4.3		
			17:18	4.4	3.2	22.40		8.12		33.30		83.60		6.21		4.62		4.6			
	17/4/2023	Cloudy	10:58	4.5	3.2	23.50	23.50	81.40	80.90	32.46	32.46	81.40	80.90	6.11	6.07	5.03	4.98	4.0	4.1		
			10:59	4.2	3.2	23.50		80.40		32.45		80.40		6.02		4.93		4.1			
	19/4/2023	Cloudy	12:02	4.5	3.5	23.80	23.85	8.42	8.42	32.76	32.76	81.90	82.70	6.14	6.20	4.11	4.17	4.1	4.0		
			12:03	4.5	3.5	23.90		8.42		32.76		83.50		6.26		4.23		3.8			
	22/4/2023	Storm Monsoon	WQM was cancelled due to adverse weather																		
	24/4/2023	Cloudy	14:28	4.7	3.7	22.70	22.70	8.14	8.14	32.58	32.59	84.30	84.20	6.19	6.23	7.34	7.24	6.8	6.5		
			14:29	4.7	3.7	22.70		8.14		32.59		84.10		6.27		7.14		6.1			
	26/4/2023	Cloudy	15:46	4.6	3.6	21.30	21.30	8.13	8.13	34.05	34.05	83.40	82.50	6.20	6.14	7.77	7.68	5.8	6.0		
			15:47	4.6	3.6	21.30		8.13		34.05		81.60		6.08		7.59		6.2			
	28/4/2023	cancel	17:56	4.3	3.3	22.80	22.80	8.20	8.19	33.50	33.51	81.70	82.50	6.07	6.13	7.31	7.40	4.7	4.5		
			17:57	4.3	3.3	22.80		8.18		33.51		83.30		6.19		7.49		4.3			

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



Impact Water Quality Monitoring at Station SR9 (Bottom) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						SR9	3/4/2023	Fine	15:58	4.3	3.3	20.10	20.10	8.06	8.06	34.08	34.08	83.10	82.55
			15:59	4.3	3.3	20.10		8.06		34.08		82.00		6.12		7.39		4.5	
	5/4/2023	Fine	17:26	4.3	3.3	20.90	20.95	8.06	8.06	34.13	34.13	85.90	83.90	6.18	6.16	7.70	7.76	10.7	10.5
			17:27	4.3	3.3	21.00		8.06		34.12		81.90		6.13		7.82		10.2	
	7/4/2023	Fine	7:42	4.4	3.4	20.80	20.85	8.10	8.10	34.36	34.36	83.20	83.10	6.11	6.15	7.14	7.12	6.3	6.0
			7:43	4.4	3.4	20.90		8.09		34.35		83.00		6.19		7.10		5.7	
	11/4/2023	Cloudy	8:44	4.4	3.4	21.00	21.05	8.07	8.08	33.85	33.85	81.30	82.50	6.21	6.23	5.46	5.42	2.4	2.5
			8:45	4.4	3.4	21.10		8.08		33.85		83.70		6.25		5.37		2.6	
	13/4/2023	Fine	8:28	4.2	3.2	21.80	21.75	8.08	8.09	32.64	32.64	83.30	83.70	6.26	6.20	4.15	4.09	3.2	3.4
			8:29	4.2	3.2	21.70		8.09		32.64		84.10		6.14		4.02		3.6	
	15/4/2023	Cloudy	8:32	4.2	3.2	22.20	22.15	8.12	8.12	33.33	33.33	83.90	83.85	6.21	6.22	5.35	5.30	3.8	3.6
			8:33	4.2	3.2	22.10		8.12		33.32		83.80		6.22		5.25		3.4	
	17/4/2023	Cloudy	15:37	3.9	2.9	23.60	23.60	8.41	8.41	32.44	32.44	82.10	81.05	6.19	6.12	4.20	4.18	3.3	4.0
			15:38	3.9	2.9	23.60		8.41		32.44		80.00		6.04		4.16		4.6	
	19/4/2023	Cloudy	17:21	4.3	3.3	23.80	23.80	8.42	8.42	32.84	32.84	81.90	82.70	6.14	6.20	3.48	3.53	2.7	3.6
			17:22	4.3	3.3	23.80		8.42		32.84		83.50		6.26		3.57		4.4	
	22/4/2023	Storm Monsoon	WQM was cancelled due to adverse weather																
	24/4/2023	Cloudy	7:48	4.5	3.5	22.70	22.65	8.13	8.13	32.67	32.66	82.80	82.90	6.24	6.22	6.24	6.31	6.8	7.0
			7:49	4.5	3.5	22.60		8.13		32.65		83.00		6.20		6.37		7.2	
	26/4/2023	Cloudy	8:30	4.3	3.3	21.50	21.45	8.13	8.13	33.99	33.99	84.00	83.35	6.23	6.21	7.35	7.28	5.2	5.1
			8:31	4.3	3.3	21.40		8.13		33.98		82.70		6.18		7.21		5.0	
	28/4/2023	Fine	8:52	4.0	3.0	22.70	22.70	8.18	8.18	33.49	33.50	83.80	82.70	6.26	6.19	7.15	7.12	5.8	5.7
			8:53	4.0	3.0	22.70		8.18		33.50		81.60		6.12		7.09		5.6	

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR10 (Middle) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						WQM was cancelled due to adverse weather															
SR10	3/4/2023	Fine	15:46	2.5	1.3	20.30	20.30	8.05	8.06	34.11	34.11	83.20	83.80	6.11	6.15	6.57	6.45	6.8	6.6		
			15:47	2.5	1.3	20.30		8.06		34.11		84.40		6.19		6.32		6.3			
	5/4/2023	Fine	12:05	2.8	1.4	21.00	21.00	8.06	8.06	34.18	34.18	82.60	83.05	6.36	6.32	6.68	6.63	6.0	5.7		
			12:06	2.8	1.4	21.00		8.06		34.17		83.50		6.27		6.57		5.4			
	7/4/2023	Fine	12:18	2.6	1.3	20.60	20.60	8.08	8.08	34.44	34.44	82.90	83.85	6.20	6.24	5.40	5.39	4.0	3.4		
			12:19	2.6	1.3	20.60		8.08		34.43		84.80		6.27		5.37		2.8			
	11/4/2023	Cloudy	14:45	2.6	1.3	21.20	21.20	8.07	8.07	33.74	33.74	82.70	83.50	6.14	6.22	5.34	5.30	1.6	1.7		
			14:46	2.7	1.4	21.20		8.07		33.74		84.30		6.29		5.26		1.8			
	13/4/2023	Fine	15:57	2.6	1.3	21.60	21.60	8.10	8.10	32.93	32.93	80.20	79.60	6.17	6.12	3.72	3.81	1.8	2.3		
			15:58	2.6	1.3	21.60		8.10		32.92		79.00		6.07		3.90		2.8			
	15/4/2023	Cloudy	17:05	2.5	1.3	22.90	22.90	8.13	8.13	32.99	33.00	82.10	81.60	6.11	6.15	4.12	4.16	5.8	5.5		
			17:06	2.5	1.2	22.90		8.13		33.01		81.10		6.18		4.19		5.2			
	17/4/2023	Cloudy	11:03	2.6	1.2	23.90	23.90	8.30	8.25	32.35	32.35	83.30	82.55	6.22	6.14	3.72	3.81	4.0	3.8		
			11:04	2.4	1.2	23.90		8.18		32.35		81.80		6.05		3.89		3.5			
	19/4/2023	Cloudy	12:08	2.6	1.3	23.90	23.90	8.47	8.47	32.67	32.67	83.00	82.50	6.20	6.17	2.19	2.28	2.6	2.5		
			12:09	2.6	1.3	23.90		8.47		32.66		82.00		6.13		2.37		2.4			
	22/4/2023	Storm Monsoon	WQM was cancelled due to adverse weather																		
	24/4/2023	Cloudy	14:15	2.5	1.3	22.70	22.70	8.14	8.14	32.32	32.32	81.20	82.80	6.24	6.22	6.39	6.29	5.4	5.7		
			14:16	2.5	1.3	22.70		8.14		32.31		84.40		6.19		6.18		6.0			
	26/4/2023	Cloudy	15:34	2.7	1.4	21.30	21.30	8.14	8.14	33.96	33.96	81.60	82.10	6.08	6.11	7.24	7.50	7.8	7.5		
			15:35	2.7	1.4	21.30		8.14		33.96		82.60		6.13		7.75		7.1			
	28/4/2023	cancel	17:44	2.6	1.3	22.70	22.70	8.18	8.19	33.54	33.54	82.30	83.00	6.13	6.18	7.03	7.14	5.4	5.6		
			17:45	2.6	1.3	22.70		8.19		33.54		83.70		6.22		7.25		5.7			

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station SR10 (Middle) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						WQM was cancelled due to adverse weather															
SR10	3/4/2023	Fine	15:46	2.3	1.2	20.20	20.20	8.07	8.07	34.04	34.04	87.60	86.75	6.24	6.21	4.14	4.22	5.4	5.3		
			15:47	2.3	1.2	20.20		8.07		34.05		86.90		6.18		4.29		5.1			
			17:15	2.5	1.3	20.90	20.90	8.09	8.10	34.12	34.12	82.60	82.60	6.16	6.15	5.01	4.97	4.6	4.4		
	5/4/2023	Fine	15:16	2.5	1.3	20.90	20.90	8.10	8.10	34.12	34.12	82.60	82.60	6.14	6.15	4.93	4.97	4.2	4.4		
			7:45	2.7	1.4	20.70	20.75	8.09	8.09	34.32	34.33	84.10	84.25	6.21	6.22	6.34	6.37	12.4	11.6		
	7/4/2023	Fine	7:46	2.7	1.4	20.80	20.75	8.09	8.09	34.33	34.33	84.40	84.25	6.23	6.22	6.40	6.37	10.8	11.6		
			8:50	2.5	1.3	21.20	21.20	8.07	8.07	33.75	33.75	83.50	83.25	6.15	6.21	4.18	4.12	1.3	1.3		
	11/4/2023	Cloudy	8:51	2.5	1.3	21.20	21.20	8.07	8.07	33.75	33.75	83.00	83.25	6.27	6.21	4.06	4.12	1.2	1.2		
			8:34	2.4	1.2	21.70	21.75	8.10	8.10	32.99	32.99	83.70	82.80	6.24	6.19	4.33	4.26	3.7	3.9		
	13/4/2023	Fine	8:35	2.4	1.2	21.80	21.75	8.10	8.10	32.99	32.99	81.90	82.80	6.13	6.19	4.19	4.26	4.1	4.1		
			8:38	2.4	1.2	23.20	23.20	8.14	8.14	32.84	32.84	83.50	83.10	6.19	6.15	2.61	2.72	3.3	3.5		
	15/4/2023	Cloudy	8:39	2.4	1.2	23.20	23.20	8.13	8.13	32.84	32.84	82.70	83.10	6.11	6.15	2.82	2.82	3.6	3.6		
			15:25	2.2	1.1	23.90	23.90	8.44	8.44	32.31	32.31	79.40	80.45	6.03	6.10	2.58	2.63	4.7	4.6		
	17/4/2023	Cloudy	15:26	2.2	1.1	23.90	23.90	8.43	8.43	32.30	32.30	81.50	80.45	6.17	6.10	2.67	2.67	4.4	4.4		
			17:13	2.5	1.3	24.10	24.05	8.47	8.47	32.62	32.62	82.60	83.15	6.16	6.21	3.24	3.17	1.8	2.1		
	19/4/2023	Cloudy	17:14	2.5	1.3	24.00	24.05	8.46	8.47	32.62	32.62	83.70	83.15	6.25	6.21	3.09	3.17	2.3	2.3		
			8:38	2.4	1.2	23.20	23.20	8.13	8.13	32.84	32.84	82.70	83.10	6.11	6.15	2.82	2.82	3.6	3.6		
	22/4/2023	Storm Monsoon	WQM was cancelled due to adverse weather																		
	24/4/2023	Cloudy	7:54	2.4	1.2	22.70	22.70	8.14	8.14	32.32	32.32	83.50	83.55	6.27	6.21	8.04	8.00	6.1	6.0		
			7:55	2.4	1.2	22.70		8.13		32.32		83.60		6.15		7.95		5.8			
	26/4/2023	Cloudy	8:36	2.5	1.3	21.40	21.40	8.15	8.15	33.99	33.98	81.60	82.20	6.12	6.14	5.81	5.78	5.5	5.6		
			8:37	2.5	1.3	21.40		8.15		33.97		82.80		6.15		5.75		5.6			
	28/4/2023	Fine	8:58	2.4	1.2	22.70	22.75	8.19	8.19	33.54	33.54	81.90	82.55	6.11	6.16	5.80	5.87	3.9	4.1		
			8:59	2.4	1.2	22.80		8.19		33.53		83.20		6.21		5.94		4.2			

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



Impact Water Quality Monitoring at Station SR12 (Middle) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		
						°C		-		ppt		%		mg/L		NTU		mg/L		
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	
SR12	3/4/2023	Fine	15:42	2.6	1.3	20.30	20.30	8.06	8.07	34.03	34.03	84.20	83.05	6.25	6.24	4.49	4.57	6.2	6.4	
			15:43	2.6	1.3	20.30		8.07		34.02		81.90		6.22		4.65		6.5		
	5/4/2023	Fine	12:11	2.7	1.4	20.90	20.90	8.06	8.06	34.12	34.13	83.00	83.10	6.19	6.22	6.75	6.79	5.6	5.7	
			12:12	2.7	1.4	20.90		8.05		34.13		83.20		6.25		6.82		5.5		
	7/4/2023	Fine	12:14	2.6	1.3	20.50	20.55	8.09	8.10	34.35	34.36	84.80	84.00	6.21	6.18	5.33	5.27	6.6	6.1	
			12:15	2.6	1.3	20.60		8.10		34.36		83.20		6.14		5.21		5.6		
	11/4/2023	Cloudy	14:40	2.7	1.4	21.30	21.25	8.07	8.08	33.72	33.71	83.10	82.55	6.18	6.15	5.55	5.67	1.8	1.8	
			14:41	2.7	1.4	21.20		8.08		33.70		82.00		6.12		5.79		1.8		
	13/4/2023	Fine	15:54	2.7	1.4	21.60	21.65	8.10	8.10	32.94	32.96	83.20	83.10	6.25	6.22	2.84	2.90	5.1	4.2	
			15:55	2.7	1.4	21.70		8.09		32.97		83.00		6.19		2.96		3.3		
	15/4/2023	Cloudy	17:01	2.6	1.3	22.80	22.80	8.13	8.14	32.96	32.96	82.40	81.95	6.12	6.15	4.64	4.61	6.4	6.7	
			17:02	2.6	1.3	22.80		8.14		32.96		81.50		6.17		4.58		6.9		
	17/4/2023	Cloudy	11:08	2.7	1.3	23.90	23.85	82.80	82.00	32.32	32.32	82.80	82.00	6.15	6.11	3.83	3.89	5.6	5.0	
			11:09	2.5	1.3	23.80		81.20		32.32		81.20		6.06		3.94		4.3		
	19/4/2023	Cloudy	12:13	2.7	1.4	24.00	23.95	8.47	8.47	32.65	32.65	82.00	82.55	6.12	6.15	3.23	3.21	4.2	4.1	
			12:14	2.7	1.4	23.90		8.47		32.65		83.10		6.18		3.18		4.0		
	22/4/2023	Storm Monsoon	WQM was cancelled due to adverse weather																	
	24/4/2023	Cloudy	14:12	2.7	1.4	22.70	22.65	8.13	8.13	32.35	32.35	87.60	86.85	6.24	6.22	7.03	6.99	5.8	6.2	
			14:13	2.7	1.4	22.60		8.13		32.34		86.10		6.19		6.95		6.5		
	26/4/2023	Cloudy	15:30	2.8	1.4	21.40	21.45	8.15	8.15	33.95	33.95	83.90	83.65	6.24	6.22	6.40	6.44	7.8	8.0	
			15:31	2.8	1.4	21.50		8.15		33.94		83.40		6.20		6.48		8.2		
	28/4/2023	cancel	17:40	2.7	1.4	22.80	22.75	8.18	8.18	33.55	33.55	83.20	82.55	6.21	6.16	6.80	6.70	6.2	6.4	
			17:41	2.7	1.4	22.70		8.18		33.54		81.90		6.11		6.59		6.6		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



Impact Water Quality Monitoring at Station SR12 (Middle) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		
						°C		-		ppt		%		mg/L		NTU		mg/L		
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	
SR12	3/4/2023	Fine	15:42	2.4	1.2	20.30	20.30	8.07	8.08	34.03	34.04	83.30	83.50	6.26	6.25	5.46	5.52	6.0	6.2	
			15:43	2.4	1.2	20.30		8.08		34.04		83.70		6.24		5.58		6.4		
	5/4/2023	Fine	17:11	2.4	1.2	20.10	20.10	8.06	8.06	34.15	34.16	83.70	83.60	6.25	6.25	4.77	4.81	6.0	5.8	
			15:09	2.4	1.2	20.10		8.06		34.16		83.50		6.24		4.85		5.5		
	7/4/2023	Fine	7:50	2.8	1.4	20.80	20.80	8.09	8.10	34.34	34.34	84.40	82.80	6.19	6.22	6.27	6.24	10.8	10.7	
			7:51	2.8	1.4	20.80		8.10		34.33		81.20		6.24		6.21		10.5		
	11/4/2023	Cloudy	8:55	2.4	1.2	21.10	21.05	8.07	8.08	33.74	33.74	84.60	82.95	6.17	6.19	6.56	6.53	1.5	1.7	
			8:56	2.4	1.2	21.00		8.08		33.73		81.30		6.21		6.49		1.8		
	13/4/2023	Fine	8:39	2.5	1.3	21.60	21.60	8.10	8.10	32.94	32.94	82.00	82.55	6.12	6.15	2.69	2.74	5.6	5.1	
			8:40	2.5	1.3	21.60		8.10		32.93		83.10		6.18		2.78		4.6		
	15/4/2023	Cloudy	8:43	2.5	1.3	23.20	23.15	8.14	8.14	32.86	32.86	84.40	84.25	6.28	6.25	4.45	4.43	3.1	3.0	
			8:44	2.5	1.3	23.10		8.14		32.86		84.10		6.22		4.40		2.8		
	17/4/2023	Cloudy	15:20	2.3	1.2	23.90	23.90	8.45	8.45	32.31	32.31	82.00	81.50	6.18	6.13	3.36	3.33	1.8	1.8	
			15:21	2.3	1.2	23.90		8.45		32.31		81.00		6.07		3.29		1.7		
	19/4/2023	Cloudy	17:10	2.6	1.3	24.10	24.05	8.47	8.47	32.63	32.64	83.30	82.75	6.22	6.18	2.65	2.76	1.4	2.1	
			17:11	2.6	1.3	24.00		8.47		32.65		82.20		6.13		2.87		2.8		
	22/4/2023	Storm Monsoon	WQM was cancelled due to adverse weather																	
	24/4/2023	Cloudy	7:58	2.5	1.3	22.70	22.70	8.14	8.14	32.31	32.31	83.40	83.20	6.25	6.22	7.70	7.60	9.2	9.1	
			7:59	2.5	1.3	22.70		8.14		32.31		83.00		6.19		7.49		8.9		
	26/4/2023	Cloudy	8:41	2.6	1.3	21.30	21.35	8.14	8.15	33.96	33.96	84.10	83.80	6.24	6.21	7.24	7.17	5.4	5.7	
			8:42	2.6	1.3	21.40		8.15		33.95		83.50		6.18		7.09		6.0		
	28/4/2023	Fine	9:03	2.5	1.3	22.70	22.70	8.19	8.19	33.55	33.55	82.50	82.15	6.16	6.15	7.34	7.27	5.0	5.2	
			9:04	2.5	1.3	22.70		8.19		33.55		81.80		6.14		7.19		5.4		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



**Impact Water Quality Monitoring at Station SR15 (Middle) - Ebb Tide**

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						SR15															
	3/4/2023	Fine	10:52	2.7	1.4	20.30	20.30	8.03	8.03	34.08	34.08	83.70	83.30	6.24	6.22	6.14	5.62	5.5	5.3		
			10:53	2.7	1.4	20.30		8.03	8.03	34.08	34.08	83.30		6.19		5.09		5.1			
	5/4/2023	Fine	11:18	2.5	1.3	21.10	21.10	8.01	8.02	34.13	34.27	84.40	82.80	6.19	6.22	7.46	7.49	6.8	6.6		
			11:19	2.5	1.3	21.10		8.02	8.02	34.40	34.40	81.20		6.24		7.52		6.4			
	7/4/2023	Fine	13:05	2.4	1.2	21.20	21.20	8.13	8.13	34.40	34.39	82.00	82.65	6.13	6.18	5.34	4.32	5.1	6.0		
			13:06	2.4	1.2	21.20		8.12	8.12	34.38	34.39	83.30		6.23		3.29		6.8			
	11/4/2023	Cloudy	15:31	2.8	1.4	21.30	21.25	8.10	8.10	33.70	33.71	82.70	81.40	6.29	6.19	4.11	4.18	1.4	1.3		
			15:32	2.8	1.4	21.20		8.10	8.10	33.72	33.72	80.10		6.08		4.25		1.2			
	13/4/2023	Fine	15:43	2.7	1.4	22.20	21.90	8.12	8.12	33.41	33.42	83.20	83.10	6.25	6.22	5.35	5.41	4.2	4.5		
			15:44	2.7	1.4	21.60		8.12	8.12	33.42	33.42	83.00		6.19		5.47		4.7			
	15/4/2023	Cloudy	17:52	2.6	1.3	22.80	22.75	8.21	8.21	32.89	32.90	83.10	83.40	6.21	6.19	3.99	4.04	5.0	5.2		
			17:53	2.6	1.3	22.70		8.20	8.20	32.90	32.90	83.70		6.17		4.09		5.4			
	17/4/2023	Cloudy	10:18	2.5	1.3	23.30	23.30	8.35	8.35	32.48	32.48	82.20	82.70	6.12	6.15	3.47	3.43	4.7	5.0		
			10:19	2.5	1.3	23.30		8.34	8.34	32.48	32.48	83.20		6.17		3.38		5.3			
	19/4/2023	Cloudy	11:20	2.7	1.4	24.00	29.00	8.40	8.40	32.70	32.71	80.10	81.65	6.07	6.09	4.09	4.12	2.6	3.0		
			11:21	2.7	1.4	34.00		8.40	8.40	32.71	32.71	83.20		6.11		4.15		3.4			
	22/4/2023	Storm Monsoon	WQM was cancelled due to adverse weather																		
	24/4/2023	Cloudy	15:00	2.7	1.4	22.70	22.70	8.17	8.17	32.86	32.86	83.10	82.55	6.18	6.16	7.91	7.97	6.6	6.4		
			15:01	2.7	1.4	22.70		8.16	8.16	32.85	32.86	82.00		6.13		6.16		8.03		6.1	
	26/4/2023	Cloudy	16:21	2.6	1.3	22.30	22.30	8.18	8.18	34.13	34.13	84.10	83.35	6.26	6.21	7.14	7.11	4.8	4.6		
			16:22	2.6	1.3	22.30		8.17	8.17	34.13	34.13	82.60		6.16		7.08		4.4			
	28/4/2023	cancel	18:31	2.5	1.3	22.80	22.80	8.25	8.25	33.53	33.54	82.60	83.00	6.13	6.16	7.02	6.96	4.0	3.8		
			18:32	2.5	1.3	22.80		8.24	8.25	33.54	33.54	83.40		6.19		6.16		6.90		3.6	

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



**Impact Water Quality Monitoring at Station SR15 (Middle) - Flood Tide**

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						SR15													
	3/4/2023	Fine	16:35	2.2	1.1	20.30	20.35	8.10	8.10	34.09	34.09	84.20	84.55	6.23	6.25	6.14	6.11	7.3	7.2
			16:36	2.2	1.1	20.40		8.10	8.10	34.09	34.09	84.90		6.27		6.08		7.0	
	5/4/2023	Fine	17:59	2.2	1.1	21.30	21.25	8.03	8.04	34.13	34.13	83.50	83.70	6.19	6.21	7.02	7.04	8.1	8.0
			18:00	2.2	1.1	21.20		8.04	8.04	34.12	34.12	83.90		6.23		7.05		7.8	
	7/4/2023	Fine	7:00	2.6	1.3	20.90	20.90	8.05	8.06	34.25	34.25	85.10	84.50	6.26	6.24	9.61	9.48	8.8	9.4
			7:01	2.6	1.3	20.90		8.06	8.06	34.25	34.25	83.90		6.22		9.34		10.0	
	11/4/2023	Cloudy	7:57	2.4	1.2	21.00	21.05	7.99	7.99	33.69	33.68	81.40	81.00	6.21	6.28	3.65	3.69	1.7	1.8
			7:58	2.4	1.2	21.10		7.99	7.99	33.67	33.67	80.60		6.24		3.72		1.9	
	13/4/2023	Fine	7:49	2.3	1.2	21.70	21.65	7.90	7.91	33.20	33.21	82.60	83.15	6.31	6.32	7.21	7.20	7.0	6.6
			7:50	2.3	1.2	21.60		7.91	7.91	33.21	33.21	83.70		6.32		7.18		6.2	
	15/4/2023	Cloudy	7:47	2.4	1.2	23.10	23.05	8.13	8.13	32.81	32.81	83.00	82.65	6.23	6.19	3.55	3.52	3.2	3.4
			7:48	2.4	1.2	23.00		8.13	8.13	32.81	32.81	82.30		6.15		3.48		3.6	
	17/4/2023	Cloudy	16:13	2.3	1.2	23.40	23.40	8.44	8.44	32.63	32.63	81.70	82.40	6.13	6.17	5.90	5.85	4.3	5.0
			16:14	2.3	1.2	23.40		8.43	8.43	32.63	32.63	83.10		6.21		6.17		5.80	
	19/4/2023	Cloudy	17:56	2.6	1.3	23.30	23.30	8.43	8.44	32.79	32.80	83.20	84.00	6.14	6.18	2.99	3.08	2.8	3.2
			17:57	2.6	1.3	23.30		8.44	8.44	32.80	32.80	84.80		6.21		3.16		3.6	
	22/4/2023	Storm Monsoon	WQM was cancelled due to adverse weather																
	24/4/2023	Cloudy	7:02	2.3	1.2	22.50	22.45	8.06	8.07	32.85	32.85	84.10	83.45	6.27	6.24	9.21	9.21	7.1	7.0
			7:03	2.3	1.2	22.40		8.07	8.07	32.85	32.85	82.80		6.20		9.20		6.8	
	26/4/2023	Cloudy	7:44	2.4	1.2	21.80	21.85	8.10	8.11	33.92	33.93	84.30	83.50	6.26	6.20	9.11	9.09	5.8	5.6
			7:45	2.4	1.2	21.90		8.11	8.11	33.93	33.93	82.70		6.14		9.06		5.4	
	28/4/2023	Fine	8:02	2.3	1.2	22.50	22.45	8.13	8.13	33.55	33.55	81.60	82.05	6.08	6.10	7.09	7.14	2.6	2.7
			8:03	2.3	1.2	22.40		8.13	8.13	33.55	33.55	82.50		6.12		7.18		2.8	

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station CE (surface) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CE	3/4/2023	Fine	15:33	8.6	1.0	20.20		8.07		34.09		84.10		6.21		5.45		5.7		5.6	
			15:34	8.6	1.0	20.20	20.20	8.09	8.08	34.12	34.11	84.40	84.25	6.23	6.22	5.73	5.59	5.7	5.5	5.2	
	5/4/2023	Fine	12:22	8.4	1.0	21.00	21.05	8.09	8.09	34.19	34.19	79.00	79.60	6.07	6.12	6.30	6.40	7.2	7.4	7.4	
			12:23	8.4	1.0	21.10		8.09		34.19		80.20		6.17		6.40		7.6			
	7/4/2023	Fine	12:05	8.4	1.0	21.10	21.10	8.12	8.12	34.37	34.37	84.80	84.50	6.27	6.25	4.66	4.76	3.8	3.2	3.2	
			12:06	8.4	1.0	21.10		8.12		34.36		84.20		6.23		4.86		2.6			
	11/4/2023	Cloudy	14:30	8.7	1.0	21.40	21.35	8.14	8.13	33.80	33.80	82.00	82.50	6.13	6.17	4.98	5.04	1.4	1.4	1.4	
			14:31	8.7	1.0	21.30		8.12		33.80		83.00		6.20		5.09		1.3			
	13/4/2023	Fine	14:45	8.6	1.0	21.40	21.45	8.11	8.12	32.66	32.66	83.50	83.05	6.27	6.23	3.36	3.42	1.9	2.2	2.2	
			14:46	8.6	1.0	21.50		8.12		32.65		82.60		6.19		3.48		2.5			
	15/4/2023	Cloudy	16:50	8.5	1.0	23.40	23.40	8.19	8.20	32.99	32.99	82.70	80.75	6.16	6.19	3.10	3.15	2.5	2.3	2.3	
			16:51	8.5	1.0	23.40		8.20		32.99		78.80		6.21		3.19		2.1			
	17/4/2023	Cloudy	11:19	8.4	1.0	23.70	23.75	8.14	8.20	32.37	32.37	81.40	82.00	6.09	6.11	3.15	3.21	4.5	4.9	4.9	
			11:19	8.4	1.0	23.70		8.20		32.36		82.60		6.13		3.26		5.2			
	19/4/2023	Cloudy	12:25	8.8	1.0	23.80	23.80	8.48	8.48	32.70	32.71	84.30	83.50	6.29	6.22	4.33	4.31	2.0	2.0	2.0	
			12:26	8.8	1.0	-		8.48		32.71		82.70		6.14		4.29		2.0			
	22/4/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/4/2023	Cloudy	14:00	8.7	1.0	22.60	22.60	8.18	8.18	32.64	32.64	84.10	83.55	6.27	6.25	6.74	6.79	5.1	5.4	5.4	
			14:01	8.7	1.0	22.60		8.18		32.65		83.00		6.23		6.84		5.6			
	26/4/2023	Cloudy	15:20	8.6	1.0	21.70	21.65	8.20	8.21	34.25	34.25	83.90	83.20	6.24	6.18	8.33	8.30	7.8	7.6	7.6	
15:21			8.6	1.0	21.60		8.21		34.24		82.50		6.12		8.26		7.4				
28/4/2023	cancel	17:30	8.6	1.0	22.90	22.85	8.23	8.23	33.38	33.38	83.80	82.80	6.27	6.21	8.02	7.96	5.0	4.8	4.8		
		17:31	8.6	1.0	22.80		8.23		33.38		81.80		6.14		7.89		4.6				

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station CE (surface) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CE	3/4/2023	Fine	15:33	8.3	1.0	20.20		8.11	8.11	34.11	34.11	82.60	82.25	6.16	6.15	5.65	5.69	4.6	4.8		
			15:34	8.3	1.0	20.20	20.20	8.11		34.10		81.90		6.14		5.73		5.0			
	5/4/2023	Fine	17:00	8.1	1.0	21.00	21.10	8.09	8.10	34.16	34.17	83.10	82.55	6.18	6.15	7.03	7.08	6.3	6.6		
			17:01	8.1	1.0	21.20		8.10		34.17		82.00		6.12		7.12		6.8			
	7/4/2023	Fine	7:59	8.6	1.0	20.80	20.85	8.05	8.06	34.43	34.44	84.10	84.20	6.27	6.28	6.74	6.57	5.5	6.0		
			9:05	8.6	1.0	20.90		8.06		34.44		84.30		6.29		6.39		5.5			
	11/4/2023	Cloudy	9:05	8.5	1.0	21.30	21.30	8.10	8.10	33.74	33.74	84.70	84.65	6.26	6.27	6.13	6.11	1.6	1.8		
			9:06	8.5	1.0	21.30		8.10		33.74		84.60		6.28		6.09		1.9			
	13/4/2023	Fine	8:48	8.5	1.0	21.50	21.55	8.12	8.12	32.68	32.68	82.00	82.65	6.13	6.18	4.44	4.40	3.3	3.5		
			8:49	8.5	1.0	21.60		8.12		32.70		83.30		6.23		4.36		3.6			
	15/4/2023	Cloudy	8:55	8.4	1.0	23.20	23.25	8.15	8.15	32.85	32.85	82.00	82.55	6.09	6.13	2.70	2.76	1.2	1.3		
			8:56	8.4	1.0	23.30		8.15		32.84		83.10		6.17		2.81		1.4			
	17/4/2023	Cloudy	15:10	8.2	1.0	24.20	24.20	8.46	8.46	32.29	32.30	81.60	80.20	6.17	6.19	2.98	3.01	3.4	4.0		
			15:11	8.2	1.0	24.20		8.46		32.30		78.80		6.21		3.04		4.6			
	19/4/2023	Cloudy	17:00	8.6	1.0	23.70	23.65	8.47	8.47	32.79	32.80	84.30	84.60	6.26	6.20	3.36	3.43	2.3	2.6		
			17:01	8.6	1.0	23.60		8.47		32.80		84.90		6.14		3.49		2.8			
	22/4/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/4/2023	Cloudy	8:10	8.5	1.0	22.60	22.65	8.16	8.16	32.67	32.67	84.20	84.50	6.23	6.25	6.71	6.70	3.4	3.6		
			8:11	8.5	1.0	22.70		8.16		32.67		84.80		6.27		6.68		3.8			
	26/4/2023	Cloudy	8:52	8.4	1.0	21.60	21.60	8.15	8.15	34.00	34.00	82.10	82.75	6.10	6.16	7.02	7.00	4.3	4.5		
8:53			8.4	1.0	21.60		8.15		33.99		83.40		6.21		6.97		4.7				
28/4/2023	Fine	9:14	8.4	1.0	22.70	22.65	8.20	8.20	33.56	33.56	84.20	83.90	6.25	6.23	6.09	6.14	3.3	3.1			
		9:15	8.4	1.0	22.60		8.20		33.55		83.60		6.20		6.19		2.9				

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



Impact Water Quality Monitoring at Station CE (Middle) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		
						°C		-		ppt		%		mg/L		NTU		mg/L		
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	
CE	3/4/2023	Fine	15:37	8.6	4.3	20.20	20.20	8.09	8.09	34.13	34.13	82.70	82.85	6.28	6.28	6.01	5.97	5.0	5.1	
			15:38	8.5	4.3	20.20		8.09	8.09	34.13		83.00	6.28	5.92		5.2				
	5/4/2023	Fine	12:26	8.4	4.2	20.90	20.90	8.09	8.09	34.20	34.21	79.90	80.00	6.10	6.14	7.02	6.97	9.3	9.1	
			12:27	8.4	4.2	20.90		8.08	8.08	34.21		80.20	6.17	6.92		8.9				
	7/4/2023	Fine	12:09	8.4	4.2	21.00	21.00	8.13	8.13	34.34	34.35	83.00	83.20	6.19	6.22	5.80	5.86	6.6	7.3	
			12:10	8.4	4.2	21.00		8.13	8.13	34.35		83.40	6.25	5.91		6.0				
	11/4/2023	Cloudy	14:34	8.7	4.4	21.40	21.40	8.14	8.14	33.76	33.76	83.50	82.70	6.26	6.20	6.60	6.64	1.7	1.8	
			14:35	8.7	4.4	21.40		8.14	8.14	33.75		81.90	6.14	6.68		1.9				
	13/4/2023	Fine	14:50	8.6	4.3	21.50	21.50	8.12	8.12	32.65	32.65	83.00	82.90	6.20	6.20	4.17	4.18	3.6	3.5	
			14:50	8.6	4.3	21.50		8.12	8.12	32.65		82.80	6.20	4.19		3.4				
	15/4/2023	Cloudy	16:54	8.5	4.3	23.50	23.45	8.21	8.21	32.91	32.91	81.50	81.15	6.17	6.16	2.81	2.88	2.8	2.9	
			16:55	8.5	4.3	23.40		8.20	8.20	32.90		80.80	6.14	2.95		2.9				
	17/4/2023	Cloudy	11:22	8.4	4.2	23.50	23.50	82.90	83.40	32.38	32.39	82.90	83.40	6.19	6.22	4.44	4.42	5.0	5.2	
			11:23	8.4	4.2	23.50		83.90	83.40	32.39		83.90	6.25	4.39		5.3				
	19/4/2023	Cloudy	12:29	8.8	4.4	23.70	23.70	8.47	8.48	32.75	32.76	81.30	82.10	6.09	6.14	3.22	3.31	2.5	2.1	
			12:30	8.8	4.4	-		8.48	8.48	32.76		82.90	6.19	3.39		1.7				
	22/4/2023	Storm Monsoon	WQM was cancelled due to adverse weather																	
	24/4/2023	Cloudy	14:04	8.7	4.4	22.60	22.65	8.19	8.19	32.69	32.70	84.30	84.05	6.19	6.17	6.00	5.96	4.2	4.4	
			14:05	8.7	4.4	22.70		8.18	8.19	32.70		83.80	6.14	5.92		4.6				
	26/4/2023	Cloudy	15:24	8.6	4.3	21.80	21.80	8.19	8.19	34.20	34.20	83.90	82.90	6.25	6.23	7.24	7.30	6.2	6.4	
			15:25	8.6	4.3	21.80		8.19	8.19	34.19		83.60	6.20	7.36		6.5				
	28/4/2023	cancel	17:34	8.6	4.3	22.70	22.70	8.24	8.24	33.51	33.51	81.60	82.60	6.12	6.19	7.14	7.22	4.5	4.4	
			17:35	8.6	4.3	22.70		8.23	8.24	33.50		83.60	6.26	7.29		4.3				

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



Impact Water Quality Monitoring at Station CE (Middle) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		
						°C		-		ppt		%		mg/L		NTU		mg/L		
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	
CE	3/4/2023	Fine	15:37	8.3	4.2	20.10	20.15	8.11	8.11	34.07	34.07	81.90	83.90	6.13	6.16	5.42	5.45	5.7	5.5	
			15:38	8.3	4.2	20.20		8.10	8.11	34.07		85.90	6.18	5.47		5.2				
	5/4/2023	Fine	17:02	8.1	4.1	20.90	20.85	8.09	8.09	34.21	34.22	87.60	86.75	6.24	6.21	6.37	6.29	7.2	7.5	
			17:03	8.1	4.1	20.80		8.09	8.09	34.22		85.90	6.18	6.20		7.8				
	7/4/2023	Fine	8:03	8.6	4.3	20.80	20.80	8.06	8.06	34.47	34.48	84.20	84.05	6.25	6.23	8.21	8.28	8.8	8.7	
			8:04	8.6	4.3	20.80		8.05	8.06	34.46		83.90	6.20	8.35		8.6				
	11/4/2023	Cloudy	9:09	8.5	4.3	21.20	21.25	8.11	8.11	33.77	33.77	82.90	82.05	6.18	6.19	5.91	5.89	2.3	2.5	
			9:10	8.5	4.3	21.30		8.10	8.11	33.76		81.20	6.20	5.87		2.6				
	13/4/2023	Fine	8:52	8.5	4.3	21.40	21.40	8.12	8.12	32.66	32.66	81.90	82.60	6.14	6.19	2.84	2.91	2.1	1.9	
			8:53	8.5	4.3	21.40		8.11	8.12	32.65		83.30	6.23	2.97		1.6				
	15/4/2023	Cloudy	8:59	8.4	4.2	22.90	22.85	8.16	8.17	33.02	33.03	82.80	83.15	6.14	6.12	4.58	4.59	1.9	1.8	
			9:00	8.4	4.2	22.80		8.17	8.17	33.04		83.50	6.10	4.59		1.6				
	17/4/2023	Cloudy	15:14	8.2	4.1	23.80	23.85	8.48	8.48	32.32	32.32	81.20	81.65	6.18	6.17	4.13	4.20	3.3	3.5	
			15:15	8.2	4.1	23.90		8.47	8.48	32.32		82.10	6.16	4.27		3.7				
	19/4/2023	Cloudy	17:04	8.6	4.3	23.60	23.60	8.46	8.47	32.74	32.74	81.30	82.10	6.09	6.14	5.04	4.97	4.0	3.8	
			17:05	8.6	4.3	23.60		8.47	8.47	32.74		82.90	6.19	4.90		3.5				
	22/4/2023	Storm Monsoon	WQM was cancelled due to adverse weather																	
	24/4/2023	Cloudy	8:14	8.5	4.3	22.60	22.60	8.16	8.16	32.69	32.69	83.20	84.00	6.14	6.18	6.43	6.46	4.4	4.3	
			8:15	8.5	4.3	22.60		8.15	8.16	32.69		84.80	6.21	6.49		4.1				
	26/4/2023	Cloudy	8:56	8.4	4.2	21.70	21.75	8.16	8.16	34.08	34.08	82.40	82.75	6.19	6.20	6.81	6.85	5.0	5.2	
			8:57	8.4	4.2	21.80		8.15	8.16	34.08		83.10	6.20	6.89		5.4				
	28/4/2023	Fine	9:18	8.4	4.2	22.60	22.60	8.20	8.20	33.55	33.55	82.60	83.00	6.13	6.16	6.25	6.14	4.8	5.0	
			9:19	8.4	4.2	22.60		8.19	8.20	33.55		83.40	6.19	6.02		5.1				

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.





## Impact Water Quality Monitoring at Station CE (Bottom) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						°C															
CE	3/4/2023	Fine	15:40	8.6	7.6	20.20	20.15	8.09	8.09	34.13	34.14	84.10	82.65	6.21	6.23	4.89	4.96	4.4	4.6		
			15:41	8.5	7.6	20.10		8.08	8.09	34.14	34.14	81.20	82.65	6.24	6.23	5.03	4.96	4.5	4.6		
	5/4/2023	Fine	12:29	8.4	7.4	20.80	20.85	8.09	8.09	34.22	34.23	82.30	82.65	6.15	6.19	7.74	7.77	10.0	10.2		
			12:30	8.4	7.4	20.90		8.09	8.09	34.23	34.23	83.00	82.65	6.23	6.19	7.79	7.77	10.4	10.2		
	7/4/2023	Fine	12:12	8.4	7.4	21.00	21.00	8.12	8.13	34.39	34.39	83.60	83.55	6.15	6.21	7.01	6.85	3.4	3.9		
			12:13	8.4	7.4	21.00		8.13	8.13	34.39	34.39	83.50	83.55	6.27	6.21	6.68	6.85	4.4	3.9		
	11/4/2023	Cloudy	14:37	8.7	7.7	21.40	21.45	8.14	8.14	33.75	33.75	83.70	83.15	6.25	6.21	5.04	5.11	2.1	2.5		
			14:38	8.7	7.7	21.50		8.13	8.14	33.75	33.75	82.60	83.15	6.16	6.21	5.17	5.11	2.8	2.5		
	13/4/2023	Fine	14:52	8.6	7.6	21.60	21.55	8.11	8.12	32.77	32.77	80.20	81.50	6.11	6.16	2.59	2.61	3.1	3.7		
			14:53	8.6	7.6	21.50		8.12	8.12	32.76	32.77	82.80	81.50	6.20	6.16	2.63	2.61	4.3	3.7		
	15/4/2023	Cloudy	16:57	8.5	7.5	23.50	23.50	8.21	8.21	32.97	32.98	83.20	82.95	6.19	6.18	4.11	4.11	3.4	3.2		
			16:58	8.5	7.5	23.50		8.21	8.21	32.98	32.98	82.70	82.95	6.16	6.18	4.10	4.11	3.0	3.2		
	17/4/2023	Cloudy	11:25	8.4	7.4	23.40	23.40	83.50	82.55	32.57	32.58	83.50	82.55	6.27	6.22	3.05	3.11	5.4	5.3		
			11:26	8.4	7.4	23.40		81.60	82.55	32.58	32.58	81.60	82.55	6.16	6.22	3.17	3.11	5.1	5.3		
	19/4/2023	Cloudy	12:32	8.8	7.8	23.40	23.40	8.44	8.44	32.95	32.95	81.90	82.80	6.13	6.19	5.91	5.84	3.8	4.3		
			12:33	8.8	7.8	-		8.44	8.44	32.95	32.95	83.70	82.80	6.24	6.19	5.76	5.84	4.7	4.3		
	22/4/2023	Storm Monsoon	WQM was cancelled due to adverse weather																		
	24/4/2023	Cloudy	14:07	8.7	7.7	22.60	22.60	8.19	8.19	32.70	32.70	83.00	82.10	6.20	6.22	7.15	7.21	3.6	3.8		
			14:08	8.7	7.7	22.60		8.19	8.19	32.70	32.70	81.20	82.10	6.24	6.22	7.27	7.21	3.9	3.8		
	26/4/2023	Cloudy	15:27	8.6	7.6	21.80	21.85	8.19	8.20	34.12	34.13	83.40	82.50	6.19	6.14	7.14	7.17	5.5	5.7		
			15:28	8.6	7.6	21.90		8.20	8.20	34.14	34.13	81.60	82.50	6.08	6.14	7.20	7.17	5.9	5.7		
	28/4/2023	cancel	17:37	8.6	7.6	22.70	22.75	8.24	8.24	33.49	33.50	84.30	83.75	6.28	6.25	7.03	7.11	4.2	4.4		
			17:38	8.6	7.6	22.80		8.24	8.24	33.50	33.50	83.20	83.75	6.21	6.25	7.18	7.11	4.5	4.4		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station CE (Bottom) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG		
						°C															
CE	3/4/2023	Fine	15:40	8.3	7.3	20.20	20.20	8.11	8.11	34.05	34.07	81.90	82.50	6.14	6.16	4.60	4.59	6.3	6.5		
			15:41	8.3	7.3	20.20		8.11	8.11	34.08	34.07	83.10	82.50	6.18	6.16	4.58	4.59	6.6	6.5		
	5/4/2023	Fine	17:04	8.1	7.1	20.90	20.95	8.10	8.10	34.22	34.21	83.30	83.50	6.21	6.23	7.19	7.11	8.8	8.6		
			17:05	8.1	7.1	21.00		8.10	8.10	34.20	34.20	83.70	83.50	6.24	6.23	7.02	7.11	8.4	8.6		
	7/4/2023	Fine	8:06	8.6	7.6	20.90	20.90	8.06	8.06	34.50	34.51	82.50	82.60	6.28	6.24	8.19	8.13	12.8	13.5		
			8:07	8.6	7.6	20.90		8.06	8.06	34.52	34.51	82.70	82.60	6.20	6.24	8.07	8.13	14.1	13.5		
	11/4/2023	Cloudy	9:12	8.5	7.5	21.20	21.20	8.11	8.11	33.80	33.79	82.40	83.30	6.27	6.34	6.34	6.39	2.8	3.0		
			9:13	8.5	7.5	21.20		8.10	8.11	33.78	33.79	84.20	83.30	6.30	6.34	6.44	6.39	3.2	3.0		
	13/4/2023	Fine	8:55	8.5	7.5	21.40	21.45	8.12	8.12	32.87	32.87	82.60	83.15	6.16	6.21	3.72	3.79	2.2	2.6		
			8:56	8.5	7.5	21.50		8.11	8.12	32.87	32.87	83.70	83.15	6.25	6.21	3.85	3.79	2.9	2.6		
	15/4/2023	Cloudy	9:02	8.4	7.4	22.30	22.35	8.15	8.15	33.46	33.46	84.40	83.90	6.28	6.25	4.99	4.89	2.4	2.5		
			9:03	8.4	7.4	22.40		8.15	8.15	33.45	33.46	83.40	83.90	6.22	6.25	4.78	4.89	2.6	2.5		
	17/4/2023	Cloudy	15:17	8.2	7.2	23.60	23.60	8.48	8.48	32.42	32.42	78.80	80.45	6.21	6.20	4.77	4.73	5.9	5.3		
			15:18	8.2	7.2	23.60		8.48	8.48	32.41	32.42	82.10	80.45	6.19	6.20	4.68	4.73	4.7	5.3		
	19/4/2023	Cloudy	17:07	8.6	7.6	23.60	23.55	8.47	8.47	32.74	32.75	83.10	82.55	6.18	6.15	3.09	3.13	3.7	3.9		
			17:08	8.6	7.6	23.50		8.47	8.47	32.76	32.75	82.00	82.55	6.12	6.15	3.17	3.13	4.1	3.9		
	22/4/2023	Storm Monsoon	WQM was cancelled due to adverse weather																		
	24/4/2023	Cloudy	8:17	8.5	7.5	22.50	22.55	8.16	8.16	32.91	32.91	82.90	83.85	6.20	6.24	5.12	5.01	4.8	5.0		
			8:18	8.5	7.5	22.60		8.16	8.16	32.90	32.91	84.80	83.85	6.27	6.24	4.98	5.01	5.2	5.0		
	26/4/2023	Cloudy	8:59	8.4	7.4	21.70	21.70	8.17	8.17	34.09	34.10	82.70	82.55	6.18	6.19	8.04	8.00	6.4	6.7		
			9:00	8.4	7.4	21.70		8.17	8.17	34.10	34.10	82.40	82.55	6.19	6.19	7.95	8.00	6.9	6.7		
	28/4/2023	Fine	9:21	8.4	7.4	22.50	22.50	8.19	8.19	33.64	33.64	83.40	83.80	6.19	6.22	7.02	7.10	5.6	5.5		
			9:22	8.4	7.4	22.50		8.19	8.19	33.63	33.64	84.20	83.80	6.25	6.22	7.18	7.10	5.3	5.5		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station CF (surface) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CF	3/4/2023	Fine	10:35	8.7	1.0	20.30	20.30	7.86	7.87	34.31	34.32	83.40	81.50	6.20	6.19	6.34	6.22	5.2	5.4		
			10:36	8.7	1.0	20.30	20.30	7.87	7.87	34.33	34.32	83.20	81.50	6.17	6.09	6.09	6.22	5.5	5.5		
			11:00	8.5	1.0	21.20	21.20	7.86	7.86	33.95	33.97	84.40	84.30	6.19	6.22	13.64	12.25	8.5	8.3		
	5/4/2023	Fine	11:01	8.5	1.0	21.20	21.20	7.86	7.86	33.98	33.98	84.20	84.30	6.25	6.22	12.25	12.25	8.0	8.3		
			13:25	8.4	1.0	21.20	21.20	8.14	8.14	34.50	34.51	83.00	82.50	6.20	6.17	7.45	7.39	6.8	7.3		
	7/4/2023	Fine	13:26	8.4	1.0	21.20	21.20	8.14	8.14	34.51	34.51	82.00	82.50	6.13	6.17	7.32	7.32	7.8	7.8		
			15:50	8.8	1.0	21.30	21.25	8.10	8.10	33.74	33.74	83.20	83.10	6.11	6.15	8.65	8.62	5.3	5.2		
	11/4/2023	Cloudy	15:51	8.8	1.0	21.20	21.25	8.09	8.09	33.73	33.73	83.00	83.10	6.19	6.15	8.59	8.59	5.0	5.2		
			16:02	8.7	1.0	22.10	22.10	8.13	8.13	33.29	33.30	83.00	82.65	6.23	6.21	3.59	3.63	2.6	2.1		
	13/4/2023	Fine	16:03	8.7	1.0	22.10	22.10	8.12	8.12	33.30	33.30	82.30	82.65	6.18	6.21	3.67	3.67	1.6	2.1		
			18:09	8.6	1.0	23.30	23.30	8.24	8.24	32.82	32.82	83.10	82.40	6.21	6.17	3.63	3.60	3.4	3.1		
	15/4/2023	Cloudy	18:10	8.6	1.0	23.30	23.30	8.23	8.23	32.82	32.82	81.70	82.40	6.13	6.17	3.57	3.57	2.8	3.1		
			10:00	8.4	1.0	22.80	22.80	8.20	8.21	32.47	32.48	81.20	81.80	6.09	6.11	5.00	5.04	5.4	5.4		
	17/4/2023	Cloudy	10:01	8.4	1.0	22.80	22.80	8.21	8.21	32.48	32.48	82.40	81.80	6.12	6.11	5.08	5.08	5.4	5.4		
			11:03	8.6	1.0	23.40	23.40	8.11	8.11	33.17	33.18	81.80	80.30	6.18	6.20	6.36	6.27	5.0	4.5		
	19/4/2023	Cloudy	11:04	8.6	1.0	23.40	23.40	8.11	8.11	33.18	33.18	78.80	80.30	6.21	6.20	6.18	6.18	3.8	4.5		
	22/4/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/4/2023	Cloudy	15:17	8.7	1.0	22.80	22.80	8.16	8.17	32.82	32.82	87.60	86.75	6.24	6.21	6.56	6.53	3.4	3.3		
			15:18	8.7	1.0	22.80	22.80	8.17	8.17	32.82	32.82	85.90	86.75	6.18	6.21	6.49	6.49	3.2	3.3		
	26/4/2023	Cloudy	16:40	8.6	1.0	22.50	22.45	8.22	8.22	34.01	34.01	82.80	83.55	6.17	6.23	4.79	4.81	3.0	3.2		
			16:41	8.6	1.0	22.40	22.45	8.21	8.21	34.01	34.01	84.30	83.55	6.28	6.23	4.83	4.81	3.3	3.2		
	28/4/2023	cancel	18:50	8.6	1.0	22.90	22.85	8.24	8.24	33.58	33.58	81.60	82.05	6.08	6.10	4.39	4.30	4.8	4.6		
			18:51	8.6	1.0	22.80	22.85	8.24	8.24	33.57	33.57	82.50	82.05	6.12	6.10	4.21	4.21	4.4	4.6		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station CF (surface) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CF	3/4/2023	Fine	16:53	8.5	1.0	20.40	20.40	8.11	8.11	34.09	34.09	84.30	84.40	6.22	6.23	5.02	4.98	3.7	3.9		
			16:54	8.5	1.0	20.40	20.40	8.11	8.11	34.09	34.09	84.50	84.40	6.24	6.23	4.93	4.98	4.0	3.9		
			18:20	8.2	1.0	21.20	21.15	7.92	7.93	34.29	34.30	83.90	82.95	6.21	6.15	12.42	11.76	12.1	12.2		
	5/4/2023	Fine	18:21	8.2	1.0	21.10	21.15	7.93	7.93	34.30	34.30	82.00	82.95	6.09	6.15	11.09	11.09	12.3	12.2		
			6:43	8.6	1.0	20.80	20.80	8.01	8.01	34.45	34.45	82.20	82.85	6.11	6.15	7.70	7.66	9.0	8.4		
	7/4/2023	Fine	6:44	8.6	1.0	20.80	20.80	8.00	8.00	34.45	34.45	83.50	82.85	6.19	6.15	7.62	7.66	7.7	8.4		
			7:40	8.4	1.0	21.10	21.05	7.80	7.80	33.32	33.33	84.90	83.90	6.23	6.25	6.24	6.22	2.5	2.4		
	11/4/2023	Cloudy	7:41	8.4	1.0	21.00	21.05	7.80	7.80	33.33	33.33	83.00	83.90	6.26	6.25	6.19	6.22	2.3	2.4		
			7:30	8.3	1.0	21.50	21.50	7.65	7.65	32.85	32.85	87.60	88.05	6.24	6.21	5.04	5.08	3.3	3.3		
	13/4/2023	Fine	7:31	8.3	1.0	21.50	21.50	7.65	7.65	32.84	32.85	88.50	88.05	6.17	6.21	5.12	5.12	3.2	3.3		
			7:30	8.3	1.0	22.40	22.35	7.94	7.95	32.25	32.25	82.80	83.20	6.20	6.22	3.17	3.19	<1.0	1.0		
	15/4/2023	Cloudy	7:31	8.3	1.0	22.30	22.35	7.95	7.95	32.25	32.25	83.60	83.20	6.24	6.22	3.21	3.19	<1.0	1.0		
			16:29	8.1	1.0	23.80	23.75	8.50	8.50	32.66	32.65	82.30	81.90	6.23	6.17	4.78	4.79	3.2	3.6		
	17/4/2023	Cloudy	16:30	8.1	1.0	23.70	23.75	8.50	8.50	32.64	32.65	81.50	81.90	6.11	6.17	4.79	4.79	4.0	3.6		
			18:18	8.5	1.0	22.30	22.25	8.41	8.41	32.72	32.72	83.50	83.55	6.27	6.21	4.94	4.99	4.1	4.6		
	19/4/2023	Cloudy	18:19	8.5	1.0	22.20	22.25	8.40	8.41	32.72	32.72	83.60	83.55	6.15	6.21	5.04	5.04	5.0	4.6		
	22/4/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/4/2023	Cloudy	6:45	8.3	1.0	22.40	22.45	7.92	7.92	32.47	32.48	82.10	82.40	6.19	6.18	4.66	4.68	2.2	2.3		
			6:46	8.3	1.0	22.50	22.45	7.92	7.92	32.48	32.48	82.70	82.40	6.16	6.18	4.69	4.68	2.4	2.3		
	26/4/2023	Cloudy	7:27	8.3	1.0	21.70	21.70	7.92	7.92	34.06	34.06	82.10	81.85	6.19	6.18	4.45	4.42	3.0	3.3		
			7:28	8.3	1.0	21.70	21.70	7.92	7.92	34.06	34.06	81.60	81.85	6.17	6.18	4.39	4.39	3.6	3.3		
	28/4/2023	Fine	7:45	8.3	1.0	22.30	22.25	8.00	8.01	33.30	33.30	79.90	80.85	6.05	6.12	4.50	4.59	2.8	3.0		
			7:46	8.3	1.0	22.20	22.25	8.01	8.01	33.30	33.30	81.80	80.85	6.18	6.12	4.67	4.67	3.1	3.0		

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station CF (Middle) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH -		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						CF	3/4/2023	Fine	10:39	8.7	4.4	20.20	20.25	7.93	7.94	34.27	34.27	83.90	83.70	6.21	6.20
			10:40	8.7	4.4	20.30		7.94		34.27		83.50		6.19		6.59		5.5			
	5/4/2023	Fine	11:04	8.5	4.3	21.30	21.25	7.87	7.87	34.19	34.19	82.50	82.60	6.28	6.24	11.39	11.41	10.3	10.1		
			11:05	8.5	4.3	21.20		7.86		34.18		82.70		6.20		11.43		9.8			
	7/4/2023	Fine	13:29	8.4	4.2	21.10	21.15	8.15	8.15	34.52	34.52	81.90	82.70	6.14	6.20	8.29	8.35	12.2	11.4		
			13:30	8.4	4.2	21.20		8.14		34.52		83.50		6.26		8.40		10.6			
	11/4/2023	Cloudy	15:54	8.8	4.4	21.30	21.30	8.10	8.10	33.74	33.74	84.10	84.25	6.21	6.22	10.09	10.03	5.9	6.2		
			15:55	8.8	4.4	21.30		8.10		33.74		84.40		6.23		9.97		6.4			
	13/4/2023	Fine	16:06	8.7	4.4	22.00	22.05	8.13	8.13	33.30	33.30	80.20	80.00	6.17	6.14	4.89	4.81	2.7	3.2		
			16:07	8.7	4.4	22.10		8.13		33.30		79.80		6.10		4.72		3.6			
	15/4/2023	Cloudy	18:13	8.6	4.3	23.00	23.05	8.23	8.23	33.07	33.08	82.30	82.40	6.14	6.17	3.22	3.26	3.7	3.9		
			18:14	8.6	4.3	23.10		8.23		33.08		82.50		6.20		3.29		4.0			
	17/4/2023	Cloudy	10:04	8.4	4.2	22.80	22.80	8.24	8.24	32.81	32.81	80.60	82.10	6.11	6.16	7.14	7.19	5.5	5.6		
			10:05	8.4	4.2	22.80		8.23		32.80		83.60		6.21		7.24		5.6			
	19/4/2023	Cloudy	11:07	8.6	4.3	23.30	23.30	8.15	8.15	33.19	33.20	81.50	81.80	6.17	6.18	5.34	5.39	6.1	6.0		
			11:08	8.6	4.3	23.30		8.14		33.20		82.10		6.19		5.44		5.8			
	22/4/2023	Strong Monsoon	WQM was cancelled due to adverse weather																		
	24/4/2023	Cloudy	15:21	8.7	4.4	22.60	22.65	8.16	8.16	32.99	32.99	83.30	83.70	6.26	6.20	5.91	5.89	3.0	2.9		
			15:22	8.7	4.4	22.70		8.16		32.98		84.10		6.14		5.86		2.8			
	26/4/2023	Cloudy	16:44	8.6	4.3	22.40	22.40	8.23	8.23	34.15	34.15	81.70	82.50	6.07	6.13	4.66	4.62	3.6	3.8		
			16:45	8.6	4.3	22.40		8.23		34.15		83.30		6.19		4.58		3.9			
	28/4/2023	cancel	18:54	8.6	4.3	22.70	22.75	8.24	8.24	33.51	33.51	83.90	83.65	6.24	6.22	4.70	4.65	4.2	4.1		
			18:55	8.6	4.3	22.80		8.23		33.51		83.40		6.20		4.60		3.9			

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station CF (Middle) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH -		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						CF	3/4/2023	Fine	16:57	8.5	4.3	20.30	20.35	8.11	8.11	34.10	34.11	82.60	82.75
			16:58	8.5	4.3	20.40		8.10		34.12		82.90		6.20		6.35		4.4	
	5/4/2023	Fine	18:24	8.2	4.1	21.30	21.30	7.93	7.96	34.28	34.28	85.20	85.15	6.28	6.27	10.39	10.65	11.0	10.8
			18:25	8.2	4.1	21.30		7.99		34.28		85.10		6.26		10.90		10.6	
	7/4/2023	Fine	6:47	8.6	4.3	20.90	20.90	8.02	8.02	34.47	34.47	83.90	82.95	6.21	6.15	6.45	6.41	8.0	8.0
			6:48	8.6	4.3	20.90		8.02		34.46		82.00		6.09		6.37		7.9	
	11/4/2023	Cloudy	7:44	8.4	4.2	21.10	21.10	7.85	7.86	33.48	33.48	84.10	84.25	6.21	6.22	6.45	6.51	3.4	3.5
			7:45	8.4	4.2	21.10		7.86		33.48		84.40		6.23		6.57		3.6	
	13/4/2023	Fine	7:34	8.3	4.2	21.50	21.45	7.77	7.78	32.93	32.93	86.10	87.30	6.19	6.18	3.58	3.61	3.2	2.6
			7:35	8.3	4.2	21.40		7.78		32.93		88.50		6.17		3.64		1.9	
	15/4/2023	Cloudy	7:34	8.3	4.2	22.30	22.30	7.98	7.98	32.29	32.29	83.30	82.70	6.23	6.21	2.19	2.22	1.9	1.8
			7:35	8.3	4.2	22.30		7.98		32.28		82.10		6.19		2.25		1.7	
	17/4/2023	Cloudy	16:33	8.1	4.1	23.60	23.60	8.50	8.50	32.60	32.60	81.80	82.50	6.14	6.19	4.66	4.62	5.0	5.1
			16:34	8.1	4.1	23.60		8.50		32.60		83.20		6.23		4.58		5.2	
	19/4/2023	Cloudy	18:22	8.5	4.3	22.60	22.55	8.41	8.41	32.70	32.70	83.40	83.20	6.25	6.22	3.41	3.47	3.4	4.1
			18:23	8.5	4.3	22.50		8.41		32.70		83.00		6.19		3.53		4.7	
	22/4/2023	Strong Monsoon	WQM was cancelled due to adverse weather																
	24/4/2023	Cloudy	6:49	8.3	4.2	22.40	22.40	7.95	7.95	32.93	32.93	78.70	80.35	6.21	6.20	4.90	4.86	3.0	2.9
			6:50	8.3	4.2	22.40		7.94		32.93		82.00		6.18		4.82		2.7	
	26/4/2023	Cloudy	7:31	8.3	4.2	21.60	21.65	7.99	7.99	34.11	34.11	82.80	82.40	6.21	6.20	5.27	5.33	4.6	4.5
			7:32	8.3	4.2	21.70		7.99		34.10		82.00		6.18		5.39		4.3	
	28/4/2023	Fine	7:49	8.3	4.2	22.30	22.30	8.04	8.04	33.29	33.30	82.10	81.05	6.19	6.12	5.17	5.24	3.9	4.1
			7:50	8.3	4.2	22.30		8.04		33.30		80.00		6.04		5.31		4.2	

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station CF (Bottom) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						WQM was cancelled due to adverse weather															
CF	3/4/2023	Fine	10:42	8.7	7.7	20.20	20.20	7.96	7.96	34.31	34.31	83.40	83.75	6.14	6.16	5.55	5.52	7.1	6.9		
			10:43	8.7	7.7	20.20		7.96	7.7	34.30	84.10	6.18		5.49		6.7					
			11:07	8.5	7.5	21.30		7.90	7.90	34.29	83.30	6.29		9.32		11.0					
	5/4/2023	Fine	11:08	8.5	7.5	21.30	21.30	7.90	7.90	34.29	34.29	84.10	83.70	6.21	6.22	8.52	8.92	11.5	11.3		
			13:32	8.4	7.4	21.10		8.15	8.15	34.49	82.60	6.16		7.19		10.7					
			13:33	8.4	7.4	21.20		8.14	8.14	34.49	83.70	6.25		7.24		9.3					
	7/4/2023	Fine	15:57	8.8	7.8	21.30	21.25	8.12	8.12	33.95	33.95	83.30	83.15	6.23	6.25	8.66	8.68	6.8	7.0		
			15:58	8.8	7.8	21.20		8.12	8.12	33.94	83.00	6.26		8.70		7.2					
			16:09	8.7	7.7	22.00		8.13	8.14	33.36	33.36	80.20		6.17		6.12		3.09		3.0	
	13/4/2023	Fine	16:10	8.7	7.7	22.00	22.00	8.14	8.14	33.35	33.35	79.00	79.60	6.07	6.10	-	3.09	3.0	3.0		
			18:16	8.6	7.6	22.50		8.18	8.18	33.75	33.75	78.20		6.08		7.03		5.1			
			18:17	8.6	7.6	22.60		-	-	33.75	33.75	81.50		6.11		6.87		5.7			
	17/4/2023	Cloudy	10:07	8.4	7.4	22.90	22.85	8.25	8.25	32.87	32.87	84.10	82.05	6.24	6.22	5.46	5.50	6.3	6.4		
			10:08	8.4	7.4	22.80		8.25	8.25	32.87	80.00	6.20		5.53		6.4					
			11:10	8.6	7.6	23.20		8.18	8.18	33.29	33.29	82.10		6.19		6.18		8.83		8.78	
	19/4/2023	Cloudy	11:11	8.6	7.6	23.30	23.25	8.18	8.18	33.29	33.29	82.70	82.40	6.16	6.18	8.72	8.78	5.6	6.0		
			18:17	8.6	7.6	22.60		8.18	8.18	33.29	33.29	82.70		6.16		6.18		8.72		6.4	
			22/4/2023	Storm Monsoon	WQM was cancelled due to adverse weather																
	24/4/2023	Cloudy	15:24	8.7	7.7	22.60	22.60	8.17	8.17	33.08	33.08	83.70	82.80	6.24	6.19	5.02	5.12	2.3	2.5		
			15:25	8.7	7.7	22.60		8.17	8.17	33.08	33.08	81.90		6.13		5.21		2.6			
			16:47	8.6	7.6	22.20		8.21	8.22	34.24	34.24	82.30		6.13		6.18		4.56		4.1	
	26/4/2023	Cloudy	16:48	8.6	7.6	22.30	22.25	8.22	8.22	34.23	34.24	83.70	83.00	6.22	6.18	4.43	4.50	4.5	4.3		
			18:57	8.6	7.6	22.60		8.24	8.24	33.55	33.55	83.40		6.19		6.22		4.62		3.4	
			18:58	8.6	7.6	22.70		8.24	8.24	33.54	33.55	84.20		6.25		4.73		3.0			

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



## Impact Water Quality Monitoring at Station CF (Bottom) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L										
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG									
						WQM was cancelled due to adverse weather																						
CF	3/4/2023	Fine	17:00	8.5	7.5	20.30	20.30	8.11	8.11	34.13	34.13	84.90	84.15	6.27	6.26	8.09	8.18	5.2	5.5									
			17:01	8.5	7.5	20.30		8.11	8.11	34.13	34.13	83.50		6.25		8.26		5.5										
			18:27	8.2	7.2	21.40		7.95	7.96	33.91	33.91	85.10		6.07		9.72		9.7										
	5/4/2023	Fine	18:28	8.2	7.2	21.30	21.35	7.97	7.96	33.94	33.93	83.30	84.20	6.22	6.15	9.98	9.85	9.4	9.6									
			6:50	8.6	7.6	20.90		8.04	8.04	34.55	35.04	83.10		6.17		8.43		7.1										
			6:51	8.6	7.6	20.80		8.04	8.04	35.53	35.04	83.40		6.25		6.16		8.67		8.55								
	7/4/2023	Fine	7:47	8.4	7.4	21.00	20.85	7.88	7.88	33.65	33.65	83.00	83.00	6.19	6.22	6.48	6.46	4.5	4.3									
			7:48	8.4	7.4	21.00		7.88	7.88	33.64	33.65	81.20		6.24		6.44		4.1										
			7:37	8.3	7.3	21.60		7.83	7.84	33.00	33.01	83.00		6.20		6.22		4.89		4.92								
	13/4/2023	Fine	7:38	8.3	7.3	21.50	21.55	7.84	7.84	33.01	33.01	83.00	83.00	6.23	6.22	4.94	4.94	3.1	2.6									
			7:37	8.3	7.3	22.00		8.01	8.01	33.74	33.75	83.60		6.24		6.21		6.14		5.68								
			7:38	8.3	7.3	22.00		8.01	8.01	33.76	33.76	82.60		6.18		5.22		2.7										
	17/4/2023	Cloudy	16:36	8.1	7.1	23.70	23.70	8.50	8.50	32.85	32.84	82.50	83.00	6.20	6.23	3.36	3.43	5.0	5.0									
			16:37	8.1	7.1	23.70		8.49	8.49	32.82	32.82	83.50		6.25		3.49		5.0										
			18:25	8.5	7.5	22.60		8.40	8.40	32.76	32.76	84.20		6.23		5.35		4.6										
	19/4/2023	Cloudy	18:26	8.5	7.5	22.60	22.60	8.40	8.40	32.76	32.76	84.80	84.50	6.27	6.25	5.26	5.31	5.3	5.0									
			22/4/2023	Storm Monsoon	WQM was cancelled due to adverse weather																							
			24/4/2023	Cloudy	6:52	8.3		7.3	22.30	22.30	7.97	7.97		33.81		33.81		82.10		81.80	6.19	6.18	9.14	9.10	5.8	6.0		
	6:53	8.3			7.3	22.30	7.97	7.97	33.80		33.80	81.50	6.17	9.05	6.2													
	7:34	8.3			7.3	21.60	8.01	8.01	34.20		34.20	81.50	6.17	6.17	6.79	6.69												
	26/4/2023	Cloudy	7:35	8.3	7.3	21.60	21.60	8.00	8.00	34.20	34.20	82.70	82.10	6.16	6.17	6.79	6.69	5.5	5.7									
			7:52	8.3	7.3	22.30		8.07	8.07	33.48	33.48	79.40		6.03		6.57		5.0										
			7:53	8.3	7.3	22.30		8.07	8.07	33.48	33.48	81.50		6.17		6.29		6.43		5.4								

General Note: For calculation of average concentration of SS, the minimum value for "NOT DETECTED" is treated as 1.0mg/L according to reporting limit.



***Appendix 5.3***

***Quarterly Summary Waste Flow Table***

**Drainage Services Department**  
**Contract No. DC/2020/02**  
**Construction of San Shek Wan Sewage Treatment Works,**  
**Associated Submarine Outfall and Pui O Sewerage Works**

**Summary Waste Flow Table for Feb - Apr 2023**

Month	Actual Quantities of Inert C&D Material Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated (a)	Hard Rocks and Large Broken Concrete (b)	Reused in the Contract (c)	Reused in other Projects (d)	Disposed as Public Fill (a-b-c-d)	Imported Fill	Metals	Paper/card-board packaging	Plastics [see Note 3]	Chemical waste	Others. e.g. general refuse
	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)
<b>Feb</b>	0.21	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	5.37
<b>Mar</b>	0.20	0.00	0.00	0.00	0.20	0.00	0.00	0.02	0.00	0.00	14.94
<b>Apr</b>	0.06	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	17.86
<b>May</b>											
<b>Jun</b>											
<b>Sub-total</b>	0.47	0.00	0.00	0.00	0.47	0.00	0.00	0.02	0.00	0.00	38.17
<b>July</b>											
<b>Aug</b>											
<b>Sept</b>											
<b>Oct</b>											
<b>Nov</b>											
<b>Dec</b>											
<b>Total</b>	0.47	0.00	0.00	0.00	0.47	0.00	0.00	0.02	0.00	0.00	38.17

- Notes:
- (1) The inert C&D material except slurry and bentonite are disposed at Mui Wo Temporary Public Fill Bank (MW-PFRF) or Tuen Mun Area 38 Fill Bank (TM38-FB)
  - (2) The slurry and bentonite are disposed at Tseung Kwan O Area 137 Fill Bank (TKO137FB)
  - (3) The non-inert waste is disposed at NENT or Outlying Islands Transfer Facilities
  - (4) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
  - (5) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material
  - (6) Assume the density of fill material is 2 tonne/m<sup>3</sup>.