



**Lam Environmental Services
Limited**

Contract No. SD 15/2022 – Outlying Island Sewerage
Stage 2 – South Lantau Sewage Works –
Environmental Team Services (2023 – 2024)
Quarterly EM&A Summary Report (August –
October 2023)

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
AUGUST TO OCTOBER 2023
REVISION 1

CLIENTS:

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Environmental Team Leader

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DATE:

6 December 2023



Member of the Surbana Jurong Group

local people
global experience

Our ref: 7076811/L30519/AG/KL/TK/KCL/rw

23 January 2024

Drainage Services Department
Sewage Services Branch
Special Duty Division Group 3
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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 (August 2023 - October 2023)

With reference to the Quarterly EM&A Summary Report (August 2023 - October 2023) Revision 1 certified by the ET Leader on 6th December 2023, please note that we have no adverse comments on the captioned. We herewith 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.

Yours faithfully

Kitty LEE
Independent Environmental Checker

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

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EXECUTIVE SUMMARY

i. This is the Quarterly Environmental Monitoring and Audit (EM&A) Summary Report – [August to October 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 August to 31 October 2023](#).

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

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

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. [No school examination was taken place at N17 – Bui O Public School in the reporting 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 1 and 8 September 2023 were cancelled due to Typhoon Signal no. 8 and Black Rainstorm Signal respectively. Water quality monitoring on 7, 9 and 18 Oct 2023 were cancelled due to Strong Wind Signal no. 8, no. 3 and Strong Monsoon Signal respectively. 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, 15 action level and 0 limit level exceedances was recorded in the reporting period. 1 Action Level exceedance on SS during flood tide on 9 August 2023 was recorded; 3 action level exceedances on turbidity and SS during ebb tide on 20 October 2023 were recorded; 2 action level exceedances on turbidity and 4 action level exceedances on SS during flood tide were recorded on 23 October 2023, 1 action level exceedances on turbidity and SS during ebb tide was recorded on 23 October 2023. It can be concluded that the turbidity and SS exceedances were possibly due to natural runoff from streams to the sea or sudden changed of water body in the reporting period and non-project related.

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.



- xiii. The retained tree (T035) *Dalbergia assamica*(南嶺黃檀) located within the site boundary of the Construction of San Shek Wan Sewage Treatments Works was collapsed on 2 Sep 2023 afternoon after typhoon “Saola”(Signal No.10). No injury and significant damage were caused in the tree collapse incident. To minimize obstruction to the public, the tree were subsequently sawn and removed. Incident report for this case has been provided by the Contractor on 11 October 2023.

Complaint log

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

Notifications of Any Summons and Successful Prosecutions

- xv. 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

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 1 and 8 September 2023 were cancelled due to Typhoon Signal no. 8 and Black Rainstorm Signal respectively. Water quality monitoring on 7, 9 and 18 October 2023 were cancelled due to Strong Wind Signal no. 8, no. 3 and Strong Monsoon Signal respectively. 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 ^B	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) ^C	14.4 NTU <u>and</u> 20% exceedance of value at any impact station compared with corresponding data from control station ^D	23.5 NTU <u>and</u> 30% exceedance of value at any impact station compared with corresponding data from control station ^D
SS in mg/L (Depth-averaged A) ^C	13.1 mg/L <u>and</u> 20% exceedance of value at any impact station compared with corresponding data from control station ^D	30.4 mg/L <u>and</u> 30% exceedance of value at any impact station compared with corresponding data from control station ^D

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 and limit level exceedance was recorded in September 2023. 15 action level and 0 limit level exceedances was recorded in the reporting period. 1 Action Level exceedance on SS during flood tide on 9 August 2023 was recorded; 3 action level exceedances on turbidity and SS during ebb tide on 20 October 2023 were recorded; 2 action level exceedances on turbidity and 4 action level exceedances on SS during flood tide were recorded on 23 October 2023, 1 action level exceedances on turbidity and SS during ebb tide was recorded on 23 October 2023. It can be concluded that the turbidity and SS exceedances were possibly due to natural runoff from streams to the sea or sudden changed of water body in the reporting period and non-project related.

3.2.7 Checked with contractors and RSS on the marine works activities in the reporting period, the following activities were recorded:

Date	Marine-based construction activities undertaken	Mitigation measures implemented
2/8/2023	No activity	Nil
4/8/2023	No activity	Nil
7/8/2023	No activity	Nil
9/8/2023	No activity	Nil
11/8/2023	No activity	Nil
14/8/2023	No activity	Nil



16/8/2023	Pilot hole reaming works	Working area was enclosed by silt curtain.
18/8/2023	Pilot hole reaming works	Working area was enclosed by silt curtain.
21/8/2023	Pilot hole reaming works	Working area was enclosed by silt curtain.
23/8/2023	Tripping out works for marine HDD2 works	Working area was enclosed by silt curtain.
25/8/2023	Tripping out works for marine HDD2 works	Working area was enclosed by silt curtain.
28/8/2023	Smoothing for marine HDD2 works	Working area was enclosed by silt curtain.
30/8/2023	Smoothing for marine HDD2 works	Working area was enclosed by silt curtain.
1/9/2023	No activities	N/A
4/9/2023	No activities	N/A
6/9/2023	No activities	N/A
8/9/2023	No activities	N/A
11/9/2023	Repair silt curtain	Remove debris on the barges.
13/9/2023	Smoothing for marine HDD2 works	Working area was enclosed by silt curtain.
15/9/2023	Smoothing for marine HDD2 works	Working area was enclosed by silt curtain.
18/9/2023	Smoothing for marine HDD2 works	Working area was enclosed by silt curtain.
20/9/2023	Smoothing for marine HDD2 works	Working area was enclosed by silt curtain.
22/9/2023	Smoothing for marine HDD2 works	Working area was enclosed by silt curtain.
25/9/2023	Pull out drill pipe for marine HDD2 works	Working area was enclosed by silt curtain.
27/9/2023	Repair drilling rig	Remove debris on the barge.
29/9/2023	Trip in at sea side for marine HDD2 works	Working area was enclosed by silt curtain.
3/10/2023	Push in drill pipe	Working area was enclosed by silt curtain.
5/10/2023	No activities	Nil
7/10/2023	No activities	Nil
11/10/2023	Push in drill pipe	Working area was enclosed by silt curtain.
13/10/2023	Push in drill pipe	Working area was enclosed by silt curtain.
16/10/2023	Maintenance	Remove debris on the barges.
20/10/2023	Smoothing	Working area was enclosed by silt curtain.
23/10/2023	Holiday	Nil
25/10/2023	Smoothing	Working area was enclosed by silt curtain.
27/10/2023	Smoothing	Working area was enclosed by silt curtain.
30/10/2023	Smoothing	Working area was enclosed by silt curtain.

3.2.8 Co-related the monitoring dates with those days with recorded marine works activities, no marine dredging works were active during the reporting period.

3.2.9 For the exceedances recorded in August 2023, no marine works during 17 July 2023 to 11 Aug 2023 due to the silt curtain was found broken after Typhoon No. 8 on 17 July 2023 and repaired on 12 August 2023. No exceedance was recorded on same day during ebb tide from 07:13 to 07:16 and in the subsequent monitoring on 11 August 2023 both ebb and flood tide.

3.2.10 For the exceedances recorded in October 2023, smoothing works within enclosed silt curtain on 20 October 2023. Higher turbidity was recorded (>10 NTU) at all stations including control stations during ebb and flood tide. No exceedances was recorded in the subsequent monitoring at these stations on 23 Oct 2023, No marine works conducted on 23 October 2023. No exceedances was recorded in the subsequent monitoring at these stations on 25 Oct 2023.



3.2.11 Reviewed the overall work situation and the mitigation measures was implemented by the Contractor, it can be concluded that the turbidity and SS exceedances in the reporting period was possibly due to natural runoff from streams to the sea or sudden changed of water body.

Ecological monitoring

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

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

3.2.14 The retained tree (T035) *Dalbergia assamica* (南嶺黃檀) located within the site boundary of the Construction of San Shek Wan Sewage Treatment Works was collapsed on 2 Sep 2023 afternoon after typhoon “Saola” (Signal No. 10). Incident report for this case was provided by the Contractor on 11 October 2023. To minimize obstruction to the public, the collapsed tree has been removed and delivered to Y Park.

3.2.15 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 [#]
Condition 2.11	Submission of Preservation and/or Transplantation Plan for Plant Species of Conservation Importance (Rev. 23)	9 September 2022 [#]
Condition 2.12	Submission of Compensatory Woodland Planting Plan (Rev. 23)	15 May 2023 [^]
Condition 2.13	Silt Curtain Deployment Plan (Rev. 11)	1 June 2022 [#]
Condition 2.14	Landscape Mitigation Plan	To be confirmed
Condition 2.15	Construction Noise Mitigation Plan (Rev. 20)	4 August 2022 [#]

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-RS0039-23	20 Jan 2023	03-02-2023 to 02-08-2023	Expired on 02 Aug 2023
	GW-RS0657-23	9 Aug 2023	11-08-2023 to 08-02-2024	Valid
Construction Noise Permit under Noise Control Ordinance for POSPS	GW-RS0230-23	7 Mar 2023	27-03-2023 to 26-09-2023	Expired on 26 Sep 2023
	GW-RS0822-23	25 Sep 2023	27-09-2023 to 26-03-2024	Valid
Marine Dumping Permit (Dredged Sediment Requiring Type 1 – Open Sea Disposal)	EP/MD/23-117	16 Oct 2023	17-10-2023 to 15-11-2023	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 No school examination was taken place at N17 – Bui O Public School in the reporting 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 1 September 2023 and 8 September 2023 were cancelled due to Typhoon Signal no. 8 and Black Rainstorm Signal respectively. Water quality monitoring on 9 October 2023 and 18 October 2023 were cancelled due to Strong Wind Signal no. 8 and Strong Monsoon Signal respectively. 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 In accordance with the action level and limit level in Baseline Monitoring Report Rev. 9.2 agreed by EPD on 2 September 2022, 15 action level and 0 limit level exceedances was recorded in the reporting period. 1 Action Level exceedance on SS during flood tide on 9 August 2023 was recorded; 3 action level exceedances on turbidity and SS during ebb tide on 20 October 2023 were recorded; 2 action level exceedances on turbidity and 4 action level exceedances on SS during flood tide were recorded on 23 October 2023, 1 action level exceedances on turbidity and SS during ebb tide was recorded on 23 October 2023. It can be concluded that the turbidity



and SS exceedances were possibly due to natural runoff from streams to the sea or sudden changed of water body in the reporting period and non-project related.

5.2.6 Checked with contractors and RSS on the marine works activities in the reporting period, the following activities were recorded:

Date	Marine-based construction activities undertaken	Mitigation measures implemented
2/8/2023	No activity	Nil
4/8/2023	No activity	Nil
7/8/2023	No activity	Nil
9/8/2023	No activity	Nil
11/8/2023	No activity	Nil
14/8/2023	No activity	Nil
16/8/2023	Pilot hole reaming works	Working area was enclosed by silt curtain.
18/8/2023	Pilot hole reaming works	Working area was enclosed by silt curtain.
21/8/2023	Pilot hole reaming works	Working area was enclosed by silt curtain.
23/8/2023	Tripping out works for marine HDD2 works	Working area was enclosed by silt curtain.
25/8/2023	Tripping out works for marine HDD2 works	Working area was enclosed by silt curtain.
28/8/2023	Smoothing for marine HDD2 works	Working area was enclosed by silt curtain.
30/8/2023	Smoothing for marine HDD2 works	Working area was enclosed by silt curtain.
1/9/2023	No activities	N/A
4/9/2023	No activities	N/A
6/9/2023	No activities	N/A
8/9/2023	No activities	N/A
11/9/2023	Repair silt curtain	Remove debris on the barges.
13/9/2023	Smoothing for marine HDD2 works	Working area was enclosed by silt curtain.
15/9/2023	Smoothing for marine HDD2 works	Working area was enclosed by silt curtain.
18/9/2023	Smoothing for marine HDD2 works	Working area was enclosed by silt curtain.
20/9/2023	Smoothing for marine HDD2 works	Working area was enclosed by silt curtain.
22/9/2023	Smoothing for marine HDD2 works	Working area was enclosed by silt curtain.
25/9/2023	Pull out drill pipe for marine HDD2 works	Working area was enclosed by silt curtain.
27/9/2023	Repair drilling rig	Remove debris on the barge.
29/9/2023	Trip in at sea side for marine HDD2 works	Working area was enclosed by silt curtain.
3/10/2023	Push in drill pipe	Working area was enclosed by silt curtain.
5/10/2023	No activities	Nil
7/10/2023	No activities	Nil
11/10/2023	Push in drill pipe	Working area was enclosed by silt curtain.
13/10/2023	Push in drill pipe	Working area was enclosed by silt curtain.
16/10/2023	Maintenance	Remove debris on the barges.
20/10/2023	Smoothing	Working area was enclosed by silt curtain.
23/10/2023	Holiday	Nil
25/10/2023	Smoothing	Working area was enclosed by silt curtain.
27/10/2023	Smoothing	Working area was enclosed by silt curtain.
30/10/2023	Smoothing	Working area was enclosed by silt curtain.

- 5.2.7 Co-related the monitoring dates with those days with recorded marine works activities, no marine dredging works were active during the reporting period.
- 5.2.8 For the exceedances recorded in August 2023, no marine works during 17 July 2023 to 11 Aug 2023 due to the silt curtain was found broken after Typhoon No. 8 on 17 July 2023 and repaired on 12 August 2023. No exceedance was recorded on same day during ebb tide from 07:13 to 07:16 and in the subsequent monitoring on 11 August 2023 both ebb and flood tide.
- 5.2.9 For the exceedances recorded in October 2023, smoothening works within enclosed silt curtain on 20 October 2023. Higher turbidity was recorded (>10 NTU) at all stations including control stations during ebb and flood tide. No exceedances was recorded in the subsequent monitoring at these stations on 23 Oct 2023, No marine works conducted on 23 October 2023. No exceedances was recorded in the subsequent monitoring at these stations on 25 Oct 2023.
- 5.2.10 Reviewed the overall work situation and the mitigation measures was implemented by the Contractor, it can be concluded that the turbidity and SS exceedances in the reporting period was possibly due to natural runoff from streams to the sea or sudden changed of water body.
- 5.2.11 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 The retained tree (T035) *Dalbergia assamica* (南嶺黃檀) located within the site boundary of the Construction of San Shek Wan Sewage Treatment Works was collapsed on 2 Sep 2023 afternoon after typhoon “Saola” (Signal No. 10). Incident report for this case was provided by the Contractor on 11 October 2023. To minimize obstruction to the public, the collapsed tree has been removed and delivered to Y Park.
- 5.3.4 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 (August, September and October 2023)

Waste Type	Quantity for reporting quarter	Cumulative Quantity-to-Date
Hard Rock and Large Broken Concrete (Inert) (in '000m ³)	0	0
Reused in this Contract (Inert) (in '000m ³)	0	0
Reused in other Projects (Inert) (in '000m ³)	0	0
Disposal as Public Fill (Inert) (in '000m ³)	2.14286	11.79968
Metals (in '000kg)	0.009	7.51050
Paper / Cardboard Packing (in '000kg)	0.0875	0.39678
Plastics (in '000kg)	0.0068	0.03866
Chemical Wastes (in '000kg)	0	0
General Refuses (in '000kg)	38.36	506.56

*: 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
Aug to Oct 2023	0
Project commencement to the end of last reporting quarter	2
Total	2

Table 6.3 Cumulative Statistics on Successful Prosecutions



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



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

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

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 1 September 2023 and 8 September 2023 were cancelled due to Typhoon Signal no. 8 and Black Rainstorm Signal respectively. Water quality monitoring on 9 October 2023 and 18 October 2023 were cancelled due to Strong Wind Signal no. 8 and Strong Monsoon Signal respectively.
- 8.2.3 In accordance with the action level and limit level in Baseline Monitoring Report Rev. 9.2 agreed by EPD on 2 September 2022, 15 action level and 0 limit level exceedances was recorded in the reporting period. 1 Action Level exceedance on SS during flood tide on 9 August 2023 was recorded. 3 action level exceedances on turbidity and SS during ebb tide on 20 October 2023 were recorded; 2 action level exceedances on turbidity and 4 action level exceedances on SS during flood tide were recorded on 23 October 2023, 1 action level exceedances on turbidity and SS during ebb tide was recorded on 23 October 2023. Reviewed the overall work situation and the mitigation measures was implemented by the Contractor, it can be concluded that the turbidity and SS exceedances in the reporting period was possibly due to natural runoff from streams to the sea or sudden changed of water body and non-project related.

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.



8.3.4 The retained tree (T035) *Dalbergia assamica* (南嶺黃檀) located within the site boundary of the Construction of San Shek Wan Sewage Treatment Works was collapsed on 2 Sep 2023 afternoon after typhoon “Saola” (Signal No. 10). Incident report for this case was provided by the Contractor on 11 October 2023. To minimize obstruction to the public, the collapsed tree has been removed and delivered to Y Park.

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

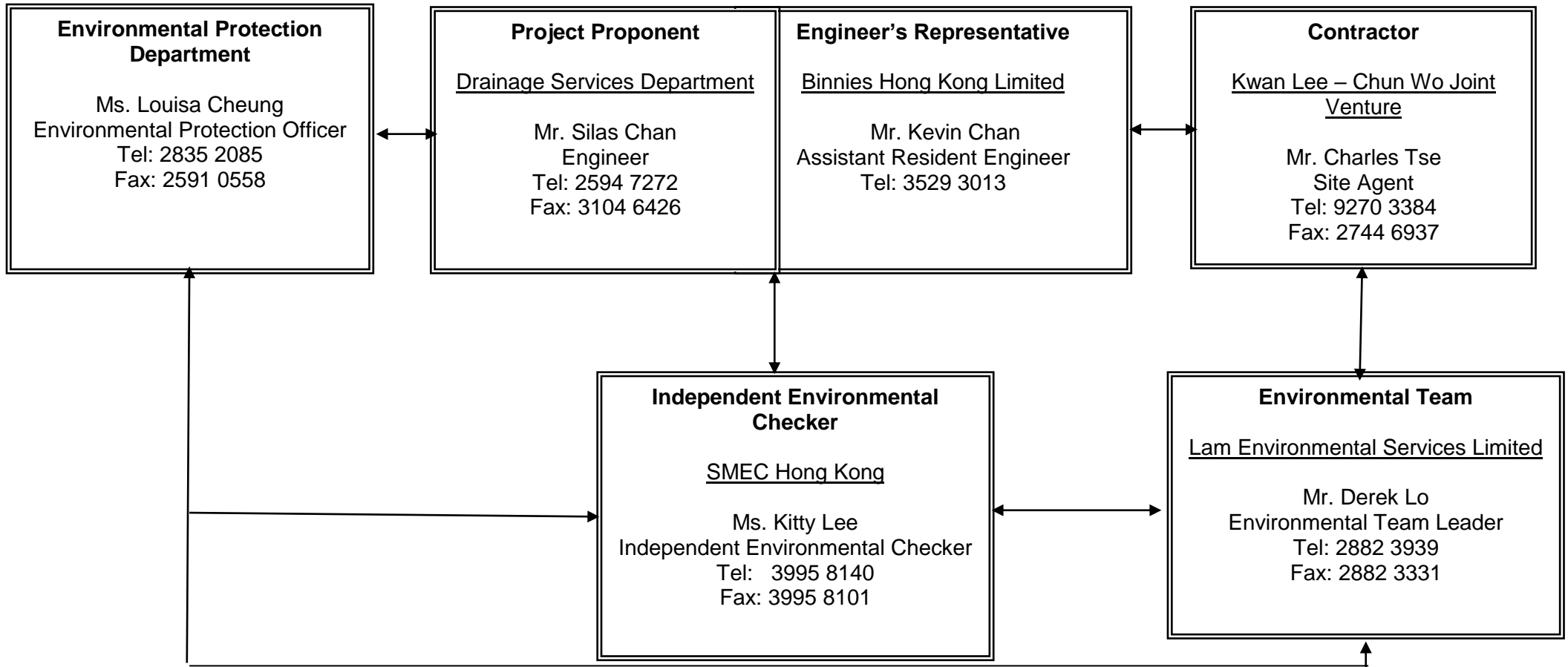
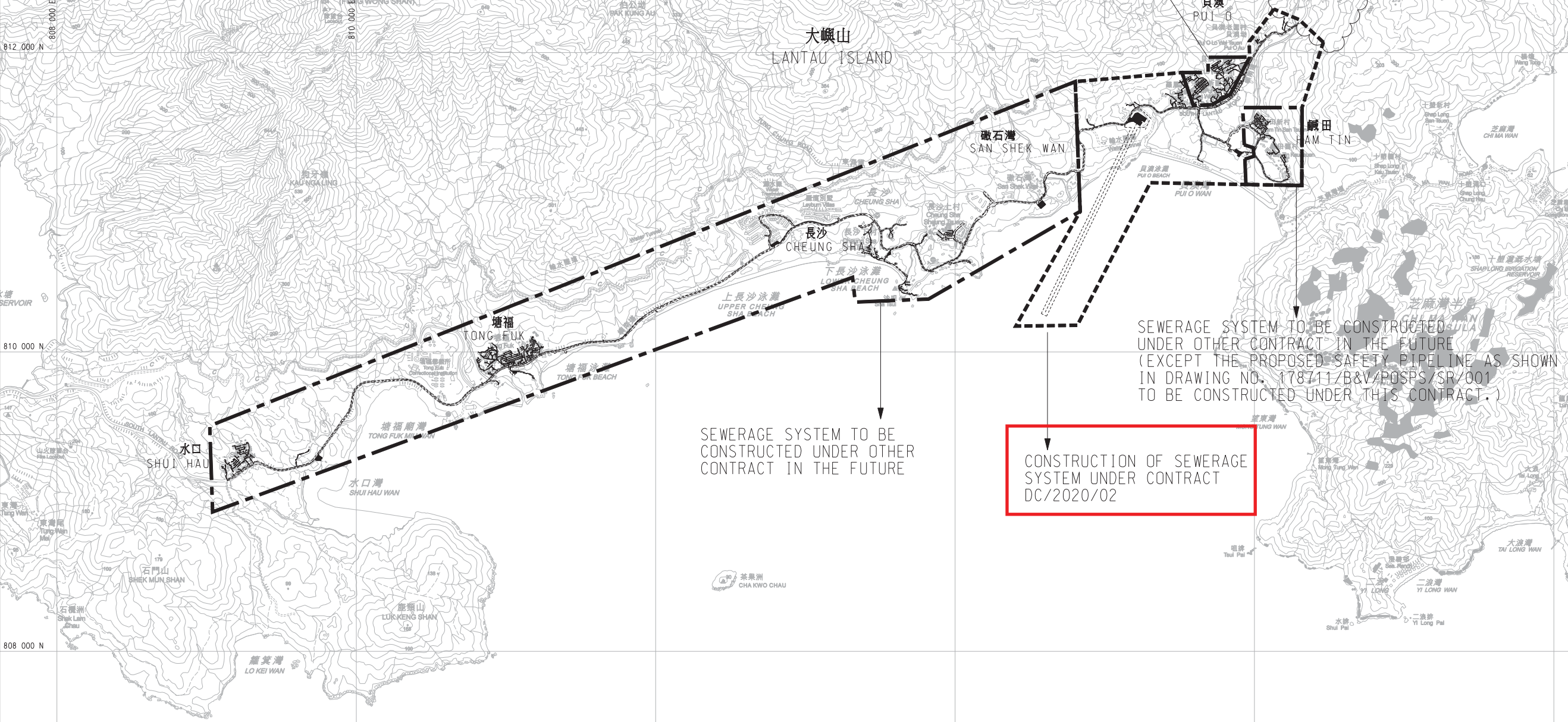
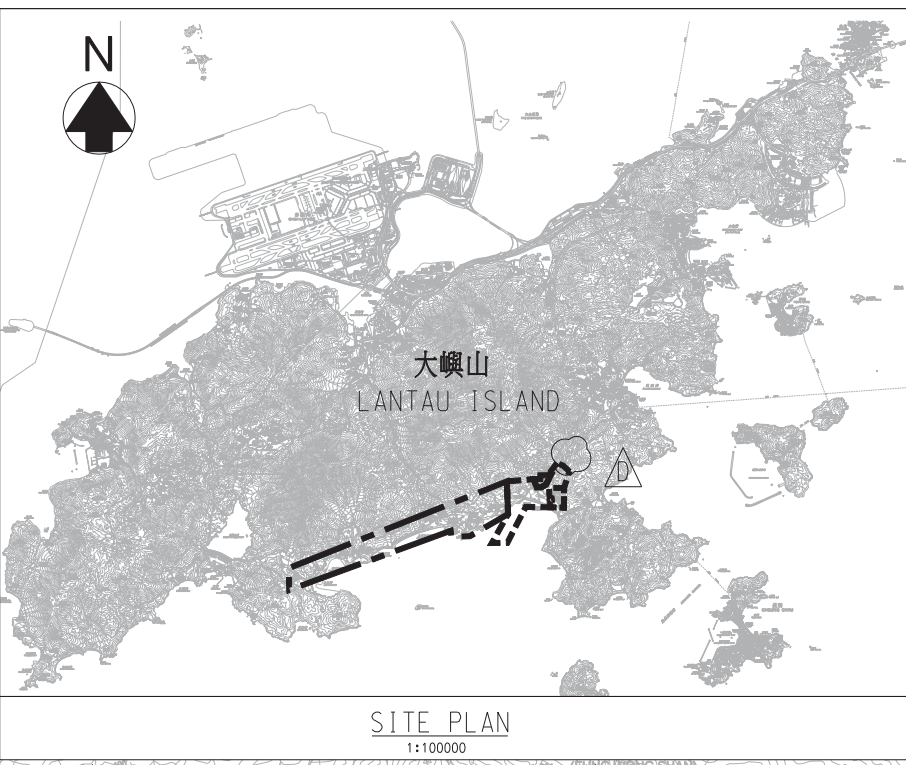


Figure 2.1



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. 178711/B&V/GN/001
Revision D

Scale 1 : 15000

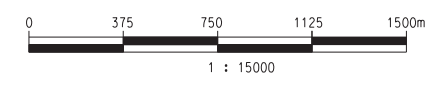












Figure 5.1

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

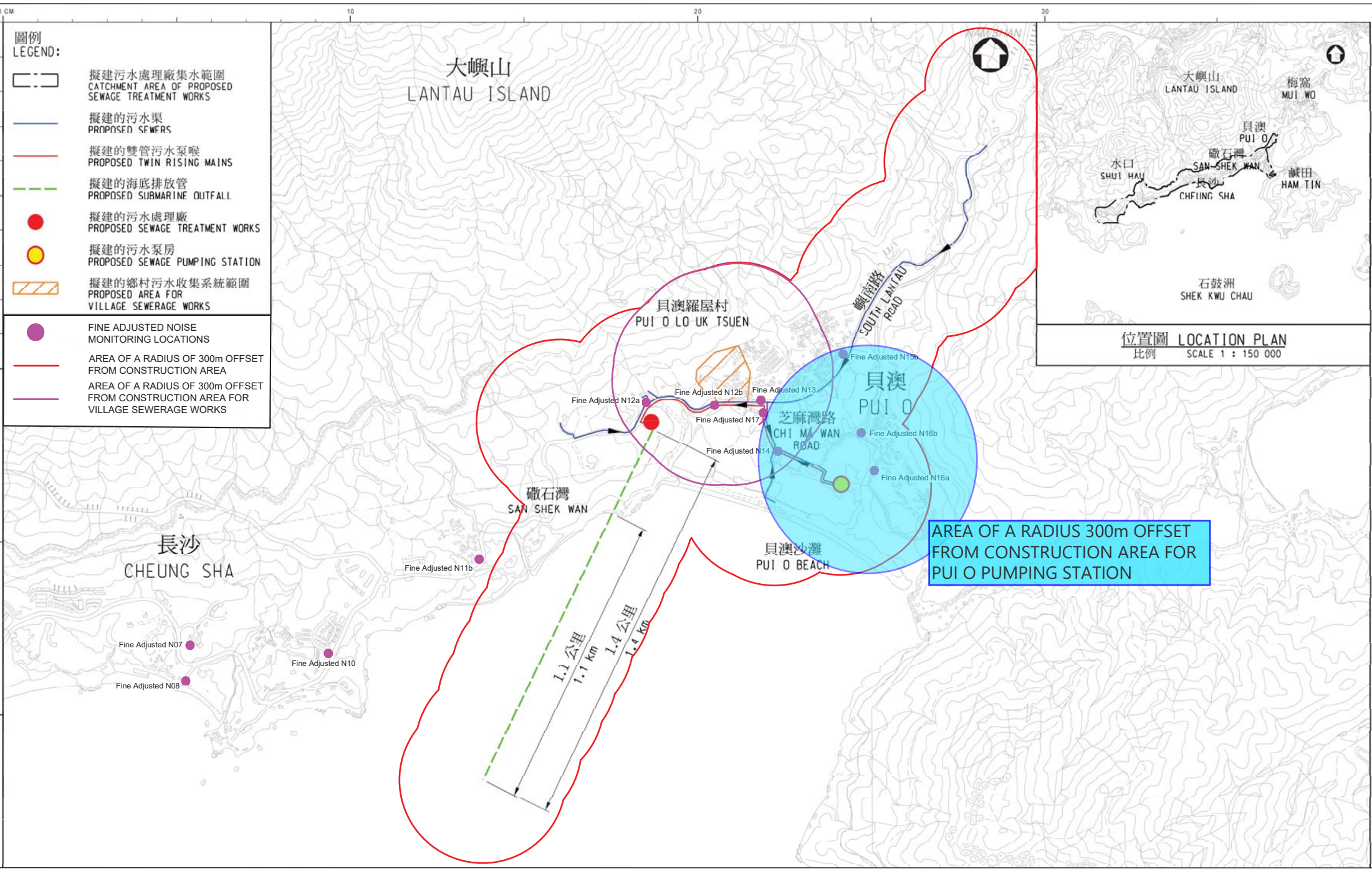
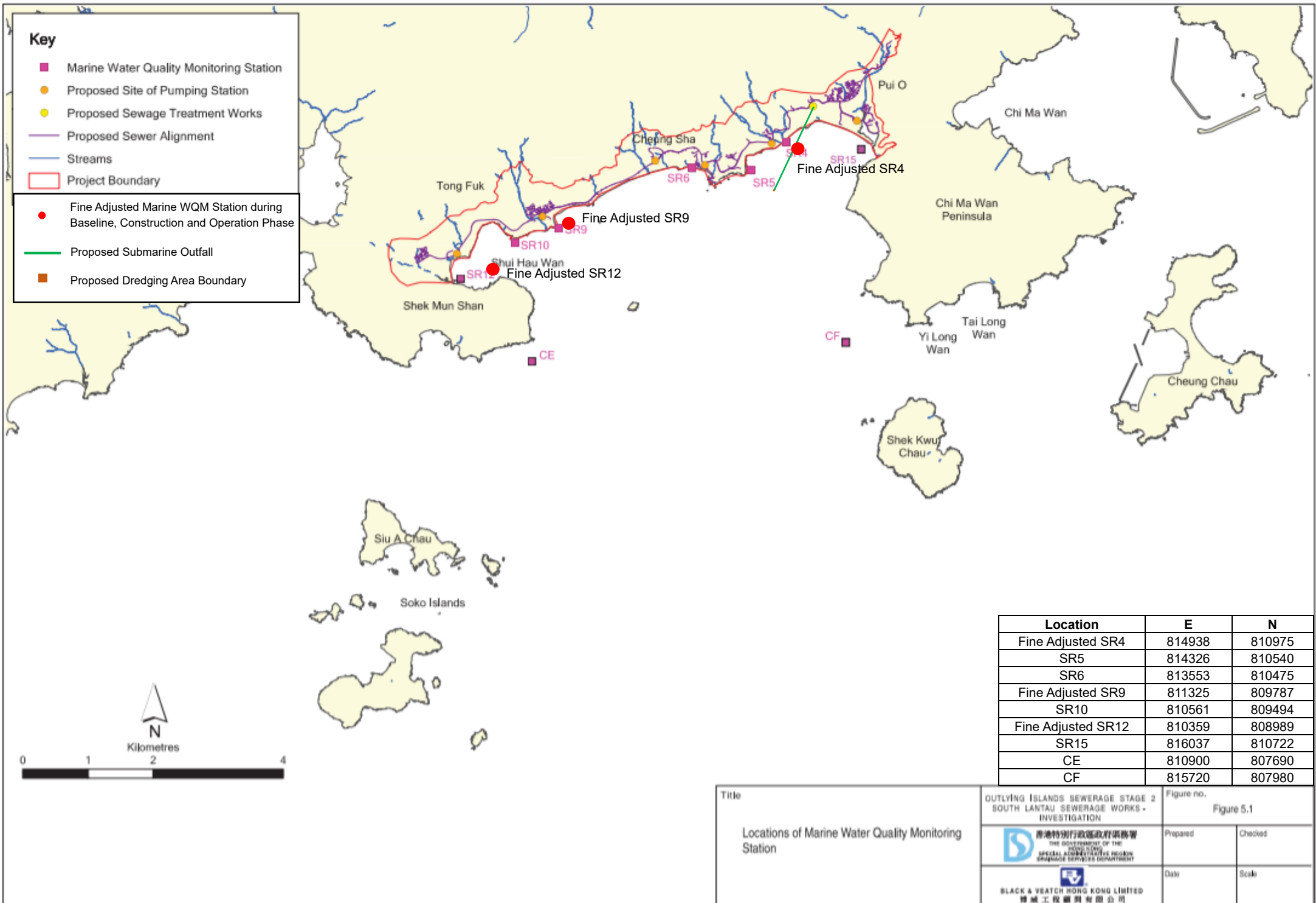




Figure 5.2

Locations of Water Quality Monitoring Stations



Title Locations of Marine Water Quality Monitoring Station	OUTLYING ISLANDS SEWERAGE STAGE 2 SOUTH LANTAU SEWERAGE WORKS - INVESTIGATION		Figure no. Figure 5.1	
	 香港特別行政區政府渠務署 THE GOVERNMENT OF THE HONG KONG SPECIAL ADMINISTRATIVE REGION SEWERAGE SERVICES DEPARTMENT		Prepared	Checked
	 BLACK & VEATCH HONG KONG LIMITED 博誠工程顧問有限公司		Date	Scale

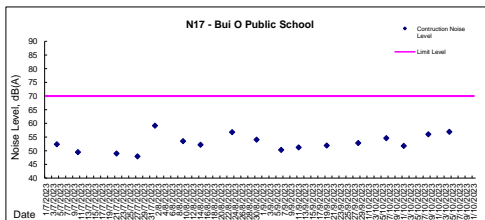
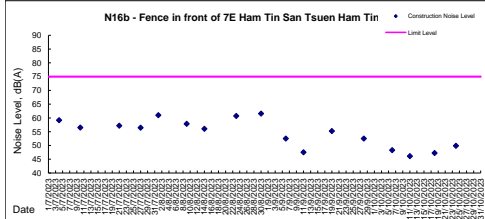
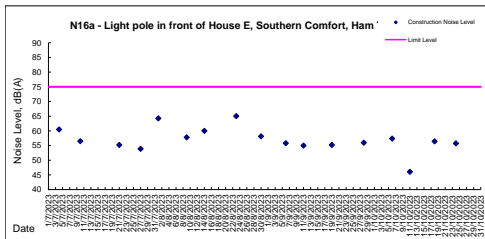
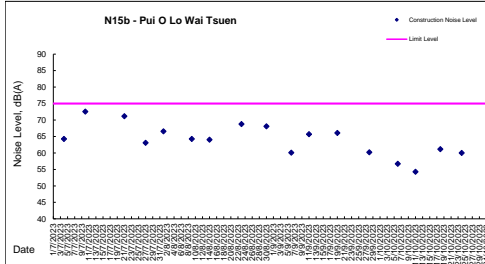
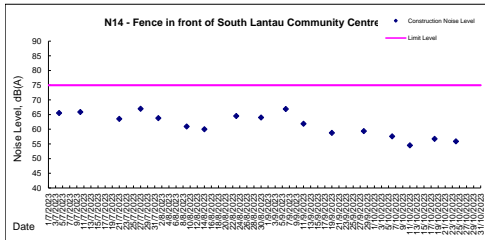
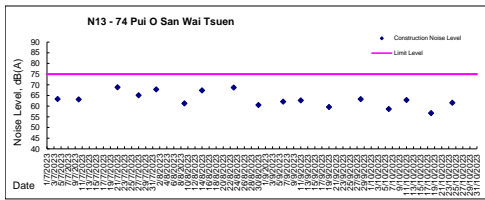
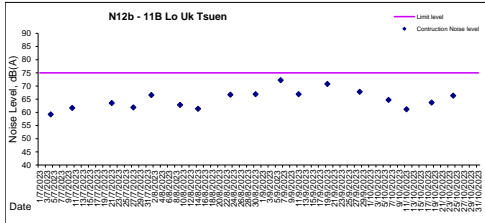
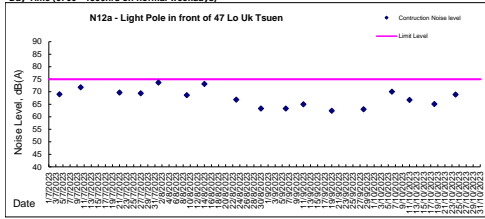


Appendix 5.1

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)								
1 Aug 2023	Sunny	0.0	94.1	14:15	67.2	70.7	61.7	73.7	73.3	63	75	N/A	Traffic
				14:20	76.7	77.8	65.9						
				14:25	72.1	74.3	62.2						
				14:30	76.8	78.2	62.3						
				14:35	65.5	68.2	60.1						
				14:40	73.1	78.4	63.0						
9 Aug 2023	Sunny	0.0	94.1	14:15	65.5	68.8	58.7	68.6	73.3	<Baseline Level	75	N/A	Traffic
				14:20	68.1	70.2	57.7						
				14:25	68.8	71.5	59.9						
				14:30	72.1	74.3	59.8						
				14:35	65.3	68.2	57.7						
				14:40	68.1	72.5	58.2						
14 Aug 2023	Sunny	0.0	94.1	14:15	71.6	74.8	60.4	73.1	73.3	<Baseline Level	75	N/A	Traffic
				14:20	70.3	73.5	60.1						
				14:25	74.8	76.6	63.2						
				14:30	70.8	74.2	59.7						
				14:35	76.1	78.8	62.4						
				14:40	71.6	74.9	61.3						
23 Aug 2023	Sunny	0.0	94.1	14:15	65.0	68.2	56.6	66.8	73.3	<Baseline Level	75	N/A	Traffic
				14:20	64.1	66.7	53.8						
				14:25	67.5	70.5	59.0						
				14:30	70.1	72.7	58.9						
				14:35	65.5	68.5	56.8						
				14:40	65.9	69.2	56.1						
30 Aug 2023	Sunny	0.0	94.1	14:15	62.5	65.6	52.8	63.3	73.3	<Baseline Level	75	N/A	Traffic
				14:20	58.1	61.2	48.3						
				14:25	64.1	67.3	56.4						
				14:30	65.9	69.0	56.2						
				14:35	63.7	66.8	54.1						
				14:40	61.8	65.1	52.3						

* 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 Aug 2023	Sunny	0.0	94.1	13:40	62.3	65.1	48.0	66.6	76.8	<Baseline Level	75	N/A	Traffic
				13:45	65.2	68.2	51.1						
				13:50	64.5	67.3	50.4						
				13:55	66.1	69.2	52.3						
				14:00	70.9	73.1	57.0						
9 Aug 2023	Sunny	0.0	94.1	14:05	64.9	68.0	51.3	62.8	76.8	<Baseline Level	75	N/A	Traffic
				13:40	64.7	67.9	48.2						
				13:45	60.5	63.1	49.2						
				13:50	63.1	65.7	49.2						
				13:55	59.4	62.2	49.3						
14 Aug 2023	Sunny	0.0	94.1	14:00	64.1	66.9	52.0	61.3	76.8	<Baseline Level	75	N/A	Traffic
				14:05	63.0	65.8	49.4						
				13:40	60.3	65.4	52.6						
				13:45	61.5	66.7	52.6						
				13:50	62.5	65.8	52.2						
23 Aug 2023	Sunny	0.0	94.1	13:55	59.3	62.6	51.7	66.7	76.8	<Baseline Level	75	N/A	Traffic
				14:00	61.8	66.8	52.8						
				14:05	61.9	63.1	54.4						
				13:40	67.2	71.4	54.2						
				13:45	65.6	69.8	54.7						
30 Aug 2023	Sunny	0.0	94.1	13:50	67.5	70.7	54.5	66.9	76.8	<Baseline Level	75	N/A	Traffic
				13:55	63.8	67.1	54.2						
				14:00	67.7	71.9	56.4						
				14:05	67.2	69.3	55.8						
				13:40	72.3	75.1	52.3						
				13:45	60.6	63.2	50.8						
				13:50	66.8	69.4	51.9						
				13:55	57.5	60.2	50.0						
				14:00	62.6	65.2	51.2						
				14:05	66.3	68.9	51.8						

* 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 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 Aug 2023	Sunny	0.0	94.1	11:30	69.5	74.4	54.1	67.8	73.6	<Baseline Level	75	N/A	Traffic
				11:35	68.4	73.7	53.2						
				11:40	67.6	72.7	52.4						
				11:45	68.4	73.7	51.4						
				11:50	67.3	70.4	52.9						
				11:55	64.1	69.5	47.7						
9 Aug 2023	Sunny	0.0	94.1	11:30	61.4	66.4	47.8	61.3	73.6	<Baseline Level	75	N/A	Traffic
				11:35	62.0	67.2	48.6						
				11:40	63.8	68.7	50.1						
				11:45	61.0	65.2	48.5						
				11:50	58.3	61.7	47.0						
				11:55	58.9	63.0	46.7						
14 Aug 2023	Sunny	0.0	94.1	11:30	66.9	70.4	58.6	67.4	73.6	<Baseline Level	75	N/A	Traffic
				11:35	69.3	72.7	60.3						
				11:40	65.6	69.2	58.3						
				11:45	65.4	68.4	60.5						
				11:50	70.1	73.8	62.4						
				11:55	63.0	65.5	57.5						
23 Aug 2023	Sunny	0.0	94.1	11:30	69.0	73.6	57.2	68.7	73.6	<Baseline Level	75	N/A	Traffic
				11:35	70.6	75.1	58.5						
				11:40	68.8	74.1	58.3						
				11:45	68.0	71.8	58.6						
				11:50	69.0	72.8	58.8						
				11:55	65.5	69.1	56.0						
30 Aug 2023	Sunny	0.0	94.1	11:30	58.3	62.4	45.3	60.6	73.6	<Baseline Level	75	N/A	Traffic
				11:35	60.7	66.3	47.8						
				11:40	65.2	70.0	51.8						
				11:45	58.6	61.8	49.6						
				11:50	53.9	57.1	44.8						
				11:55	58.4	61.6	49.4						

* 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 Aug 2023	Sunny	0.1	94.1	10:55	60.2	63.1	43.9	63.8	62.2	59	75	N/A	Traffic
				11:00	68.0	70.8	51.7						
				11:05	62.8	65.7	50.1						
				11:10	66.4	69.3	52.1						
				11:15	58.4	63.2	42.8						
				11:20	48.6	53.8	51.2						
9 Aug 2023	Sunny	0.3	94.1	10:55	60.7	64.2	49.1	60.9	62.2	<Baseline Level	75	N/A	Traffic
				11:00	63.7	67.0	53.3						
				11:05	61.7	64.9	53.0						
				11:10	62.8	65.4	52.4						
				11:15	56.8	60.4	46.5						
				11:20	48.9	53.1	42.7						
14 Aug 2023	Sunny	0.7	94.1	10:55	52.9	56.0	42.8	60.0	62.2	<Baseline Level	75	N/A	Traffic
				11:00	63.4	65.9	43.3						
				11:05	58.7	60.1	44.2						
				11:10	57.6	59.3	42.4						
				11:15	62.2	63.7	43.8						
				11:20	58.4	62.8	47.4						
23 Aug 2023	Sunny	0.2	94.1	10:55	61.1	64.6	49.4	64.5	62.2	61	75	N/A	Traffic
				11:00	68.3	71.4	51.8						
				11:05	64.7	67.2	52.2						
				11:10	64.7	67.0	50.8						
				11:15	64.2	66.7	48.9						
				11:20	56.8	60.1	48.5						
30 Aug 2023	Sunny	0.2	94.1	10:55	66.2	70.5	58.3	64.0	62.2	59	75	N/A	Traffic
				11:00	65.4	68.5	59.1						
				11:05	65.4	69.3	59.1						
				11:10	64.2	66.7	56.4						
				11:15	59.9	62.4	51.8						
				11:20	55.7	58.2	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: 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 Aug 2023	Sunny	0.0	94.1	15:00	69.4	71.7	51.6	66.6	70.7	<Baseline Level	75	N/A	Traffic
				15:05	70.3	72.8	52.7						
				15:10	66.5	68.5	48.6						
				15:15	56.7	60.4	50.2						
				15:20	63.5	66.8	53.4						
15:25	58.5	62.3	52.1										
9 Aug 2023	Sunny	0.2	94.1	15:00	65.7	68.3	49.5	64.3	70.7	<Baseline Level	75	N/A	Traffic, Beverage Factory
				15:05	66.5	69.2	50.3						
				15:10	66.1	68.7	49.8						
				15:15	59.8	62.6	52.7						
				15:20	63.0	65.5	54.2						
15:25	59.5	62.2	52.3										
14 Aug 2023	Sunny	0.0	94.1	15:00	65.8	66.9	50.3	64.0	70.7	<Baseline Level	75	N/A	Traffic
				15:05	61.6	64.7	49.8						
				15:10	63.2	65.8	51.1						
				15:15	59.8	61.5	48.8						
				15:20	63.7	65.9	50.4						
15:25	66.6	68.1	53.2										
23 Aug 2023	Sunny	0.0	94.1	15:00	70.7	72.7	52.7	68.8	70.7	<Baseline Level	75	N/A	Traffic
				15:05	69.8	72.0	53.8						
				15:10	69.5	72.0	54.2						
				15:15	64.3	66.2	54.6						
				15:20	68.1	70.6	56.2						
15:25	67.8	70.3	56.7										
30 Aug 2023	Sunny	0.5	94.1	15:00	67.3	70.6	51.4	68.1	70.7	<Baseline Level	75	N/A	Traffic
				15:05	67.9	71.1	52.0						
				15:10	71.0	74.4	55.0						
				15:15	67.6	69.7	59.4						
				15:20	67.5	69.5	59.2						
15:25	65.2	67.2	56.7										

* 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 Aug 2023	Sunny	0.2	94.1	9:45	61.4	64.7	57.2	64.3	68.1	<Baseline Level	75	Crane	Traffic
				9:50	60.8	63.8	56.3						
				9:55	58.3	61.4	53.8						
				10:00	64.7	69.2	52.5						
				10:05	67.6	72.9	54.6						
10:10	66.2	71.4	54.0										
9 Aug 2023	Sunny	0.4	94.1	9:45	59.2	61.8	55.6	62.1	68.1	<Baseline Level	75	N/A	Traffic
				9:50	60.3	62.9	56.7						
				9:55	60.4	63.5	56.6						
				10:00	63.4	67.2	56.2						
				10:05	64.9	69.1	57.3						
10:10	61.6	65.8	54.1										
14 Aug 2023	Sunny	0.0	94.1	9:45	64.6	67.7	55.7	60.0	68.1	<Baseline Level	75	N/A	Traffic
				9:50	56.7	59.6	51.4						
				9:55	59.8	62.7	53.2						
				10:00	60.1	63.2	64.8						
				10:05	55.6	58.5	51.5						
10:10	55.6	59.2	49.9										
23 Aug 2023	Sunny	0.0	94.1	9:45	66.6	69.6	59.9	65.0	68.1	<Baseline Level	75	N/A	Traffic
				9:50	62.9	65.8	58.1						
				9:55	64.6	67.8	59.0						
				10:00	66.4	70.1	65.0						
				10:05	64.8	68.6	58.5						
10:10	63.6	67.6	56.1										
30 Aug 2023	Sunny	0.6	94.1	9:45	54.6	56.3	51.9	58.2	68.1	<Baseline Level	75	N/A	Traffic
				9:50	57.3	59.4	54.8						
				9:55	60.1	63.1	57.1						
				10:00	59.5	62.4	57.6						
				10:05	59.6	62.5	57.7						
10:10	54.5	57.5	52.5										

* 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)					
1 Aug 2023	Sunny	0.0	94.1	10:20	60.5	64.3	54.0	61.0	68.5	<Baseline Level	75	N/A	Traffic
				10:25	62.2	65.8	55.5						
				10:30	61.5	65.5	55.1						
				10:35	64.5	58.1	47.8						
				10:40	48.5	51.4	45.3						
9 Aug 2023	Sunny	0.0	94.1	10:20	56.8	60.3	49.4	57.8	68.5	<Baseline Level	75	N/A	Traffic
				10:25	60.2	63.4	50.5						
				10:30	60.6	63.7	50.9						
				10:35	56.1	59.6	45.2						
				10:40	51.5	54.5	52.3						
14 Aug 2023	Sunny	0.0	94.1	10:20	53.2	54.5	51.4	56.0	68.5	<Baseline Level	75	N/A	Traffic
				10:25	55.6	57.2	51.5						
				10:30	54.4	55.8	50.8						
				10:35	59.6	60.9	54.3						
				10:40	56.7	58.1	52.6						
23 Aug 2023	Sunny	0.0	94.1	10:20	59.1	61.6	54.2	60.7	68.5	<Baseline Level	75	N/A	Traffic
				10:25	62.2	64.8	54.8						
				10:30	61.8	64.2	54.7						
				10:35	62.3	64.8	53.7						
				10:40	58.3	60.5	50.9						
30 Aug 2023	Sunny	0.0	94.1	10:20	57.5	60.8	48.8	61.6	68.5	<Baseline Level	75	N/A	Traffic
				10:25	62.6	65.9	49.5						
				10:30	64.4	67.3	50.8						
				10:35	62.2	65.9	45.7						
				10:40	58.7	62.4	42.3						
				10:45	60.3	63.9	43.8						

* 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 Aug 2023	Sunny	0.1	94.1	13:00	59.1	62.9	54.9	59.1	62.3	<Baseline Level	70	N/A	Traffic
				13:05	63.5	66.3	56.2						
				13:10	59.4	62.9	54.8						
				13:15	55.2	58.3	49.5						
				13:20	55.9	58.3	51.9						
9 Aug 2023	Sunny	0.1	94.1	13:00	52.8	56.2	50.4	53.5	62.3	<Baseline Level	70	N/A	Traffic
				13:05	54.6	57.4	50.0						
				13:10	53.3	56.3	49.2						
				13:15	53.5	57.0	49.2						
				13:20	53.9	57.1	50.1						
14 Aug 2023	Sunny	0.2	94.1	13:00	51.8	53.3	49.7	52.2	62.3	<Baseline Level	70	N/A	Traffic
				13:05	52.8	54.9	49.8						
				13:10	49.9	52.1	49.3						
				13:15	50.2	52.5	49.7						
				13:20	53.4	55.5	50.3						
23 Aug 2023	Sunny	0.1	94.1	13:00	56.2	58.9	53.8	56.8	62.3	<Baseline Level	70	N/A	Traffic
				13:05	57.7	60.4	53.6						
				13:10	55.5	58.3	53.9						
				13:15	55.8	58.9	53.1						
				13:20	57.1	60.5	54.5						
30 Aug 2023	Sunny	0.4	94.1	13:00	50.7	54.0	50.6	54.0	62.3	<Baseline Level	70	N/A	Traffic
				13:05	50.9	53.5	47.6						
				13:10	51.3	54.1	47.8						
				13:15	56.3	60.3	52.4						
				13:20	56.2	60.8	52.3						
				13:25	54.8	58.8	50.9						

* 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	Leq	Leq	Leq	Leq		
					Unit: dB(A), (5-min)			Unit: dB(A), (30-min)					
6 Sep 2023	Sunny	0.0	94.1	14:15	61.7	65.3	52.2	63.3	73.3	<Baseline Level	75	N/A	Traffic
				14:20	63.6	67.3	55.2						
				14:25	60.2	63.5	52.1						
				14:30	65.3	69.2	56.6						
				14:35	63.4	66.9	55.4						
				14:40	63.6	67.3	55.9						
11 Sep 2023	Sunny	0.1	94.1	14:15	63.3	67.2	54.0	65.0	73.3	<Baseline Level	75	N/A	Traffic
				14:20	65.4	69.5	56.2						
				14:25	61.7	65.6	52.8						
				14:30	67.2	71.2	58.4						
				14:35	65.2	69.0	56.4						
				14:40	65.4	69.4	56.9						
19 Sep 2023	Sunny	0.0	94.1	14:15	60.8	64.5	51.7	62.4	73.3	<Baseline Level	75	N/A	Traffic
				14:20	62.8	66.6	54.2						
				14:25	59.2	62.3	50.6						
				14:30	64.5	68.5	54.6						
				14:35	62.6	66.2	54.2						
				14:40	62.8	66.6	54.7						
28 Sep 2023	Sunny	0.0	94.1	14:15	65.3	69.3	56.7	63.0	73.3	<Baseline Level	75	N/A	Traffic
				14:20	63.3	66.9	55.2						
				14:25	63.5	67.3	55.6						
				14:30	61.1	64.9	52.1						
				14:35	63.2	67.0	54.5						
				14:40	59.6	63.5	50.8						

* 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	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
6 Sep 2023	Sunny	0.0	94.1	13:40	74.3	77.6	56.0	72.2	76.8	<Baseline Level	75	N/A	Traffic
				13:45	71.5	74.2	51.2						
				13:50	74.1	78.7	51.7						
				13:55	69.6	72.7	51.0						
				14:00	68.8	76.0	53.8						
				14:05	71.9	76.2	54.8						
11 Sep 2023	Sunny	0.0	94.1	13:40	68.6	72.1	49.3	66.9	76.8	<Baseline Level	75	N/A	Traffic
				13:45	65.6	68.4	44.2						
				13:50	68.5	73.2	44.7						
				13:55	63.4	66.8	43.9						
				14:00	67.6	70.5	46.7						
				14:05	65.8	70.6	47.9						
19 Sep 2023	Sunny	0.0	94.1	13:40	73.4	77.1	52.8	70.8	76.8	<Baseline Level	75	N/A	Traffic
				13:45	70.2	73.2	47.3						
				13:50	73.0	78.3	47.9						
				13:55	67.8	71.6	47.2						
				14:00	62.3	75.2	50.6						
				14:05	70.8	75.5	51.4						
28 Sep 2023	Sunny	0.0	94.1	13:40	65.3	68.4	46.8	67.8	76.8	<Baseline Level	75	N/A	Traffic
				13:45	66.9	71.8	49.6						
				13:50	67.5	71.9	50.6						
				13:55	69.6	73.1	50.3						
				14:00	66.6	69.4	46.2						
				14:05	69.4	74.2	45.7						

* 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							Leq	Leq	Leq
					Unit: dB(A), (5-min)									Unit: dB(A), (30-min)		
6 Sep 2023	Sunny	0.0	94.1	11:30	61.6	65.4	56.5	62.1	73.6	<Baseline Level	75	N/A	Traffic			
				11:35	59.9	62.4	56.2									
				11:40	64.0	67.5	58.3									
				11:45	62.6	66.6	57.4									
				11:50	61.0	64.9	56.1									
				11:55	62.3	65.8	56.5									
11 Sep 2023	Sunny	0.0	94.1	11:30	62.2	66.1	57.1	62.7	73.6	<Baseline Level	75	N/A	Traffic			
				11:35	60.5	63.0	56.8									
				11:40	64.6	68.1	58.9									
				11:45	63.2	67.2	58.0									
				11:50	61.7	65.5	56.7									
				11:55	63.0	66.4	57.1									
19 Sep 2023	Sunny	0.0	94.1	11:30	59.1	62.8	54.2	59.6	73.6	<Baseline Level	75	N/A	Traffic			
				11:35	57.5	59.8	54.0									
				11:40	61.5	64.7	56.0									
				11:45	60.2	63.8	55.1									
				11:50	58.5	62.4	53.9									
				11:55	59.7	63.1	54.3									
28 Sep 2023	Sunny	0.0	94.1	11:30	64.4	68.5	59.1	63.3	73.6	<Baseline Level	75	N/A	Traffic			
				11:35	62.8	66.7	57.8									
				11:40	64.1	67.6	58.2									
				11:45	62.1	66.0	57.0									
				11:50	60.4	62.9	56.7									
				11:55	64.5	68.0	58.2									

* 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	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
6 Sep 2023	Sunny	0.0	94.1	10:55	66.1	69.2	54.2	66.9	62.2	65	75	N/A	Traffic
				11:00	67.7	68.3	52.2						
				11:05	65.5	67.7	51.3						
				11:10	69.2	71.8	51.5						
				11:15	67.5	70.8	52.6						
				11:20	63.4	65.8	51.3						
11 Sep 2023	Sunny	0.0	94.1	10:55	56.8	59.6	48.2	61.9	62.2	<Baseline Level	75	N/A	Traffic
				11:00	58.2	61.0	46.3						
				11:05	60.3	63.2	45.3						
				11:10	64.2	67.1	44.6						
				11:15	65.1	67.9	47.2						
				11:20	61.0	63.8	46.2						
19 Sep 2023	Sunny	0.0	94.1	10:55	60.9	63.8	47.2	58.8	62.2	<Baseline Level	75	N/A	Traffic
				11:00	62.5	60.7	45.3						
				11:05	55.2	57.5	44.7						
				11:10	58.8	61.2	45.8						
				11:15	55.2	58.6	45.1						
				11:20	51.5	53.3	43.7						
28 Sep 2023	Sunny	0.0	94.1	10:55	62.5	65.0	45.4	59.4	62.2	<Baseline Level	75	N/A	Traffic
				11:00	62.1	64.9	47.1						
				11:05	58.4	60.7	46.0						
				11:10	55.3	57.9	45.1						
				11:15	56.7	57.1	43.3						
				11:20	54.3	56.7	42.6						

* 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)								
6 Sep 2023	Sunny	0.0	94.1	15:00	61.5	62.2	55.6	60.1	70.7	<Baseline Level	75	N/A	Traffic
				15:05	61.0	61.9	56.6						
				15:10	57.5	57.1	53.2						
				15:15	56.8	60.1	53.8						
				15:20	58.3	60.4	54.5						
				15:25	62.4	58.2	55.4						
11 Sep 2023	Sunny	0.0	94.1	15:00	54.2	56.6	52.2	65.7	70.7	<Baseline Level	75	N/A	Traffic, Beverage Factory
				15:05	64.7	70.2	54.3						
				15:10	61.8	65.4	53.8						
				15:15	69.6	65.1	56.7						
				15:20	63.4	68.9	53.5						
				15:25	67.8	64.3	59.0						
19 Sep 2023	Sunny	0.0	94.1	15:00	60.5	63.4	58.5	66.1	70.7	<Baseline Level	75	N/A	Traffic
				15:05	62.5	68.6	60.8						
				15:10	69.2	63.2	60.2						
				15:15	69.0	62.9	63.5						
				15:20	61.0	67.2	59.4						
				15:25	65.9	62.6	65.1						
28 Sep 2023	Sunny	0.0	94.1	15:00	53.0	55.4	51.2	60.2	70.7	<Baseline Level	75	N/A	Traffic
				15:05	58.6	63.8	53.2						
				15:10	60.3	59.2	52.7						
				15:15	63.7	58.9	55.5						
				15:20	57.3	62.6	52.2						
				15:25	61.5	58.5	57.2						

* 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	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)			Unit: dB(A), (30-min)					
6 Sep 2023	Sunny	0.0	94.1	9:45	51.8	58.8	45.2	55.8	68.1	<Baseline Level	75	Crane	Traffic
				9:50	49.2	51.6	44.9						
				9:55	55.8	58.1	47.0						
				10:00	56.8	58.6	46.3						
				10:05	58.3	61.3	45.8						
				10:10	57.1	59.3	45.8						
11 Sep 2023	Sunny	0.2	94.1	9:45	54.0	55.9	44.7	55.0	68.1	<Baseline Level	75	N/A	Traffic
				9:50	56.1	58.2	46.2						
				9:55	58.2	60.1	45.3						
				10:00	48.2	60.2	45.6						
				10:05	47.1	49.0	44.9						
				10:10	56.5	58.4	48.5						
19 Sep 2023	Sunny	0.0	94.1	9:45	56.2	58.1	44.3	55.2	68.1	<Baseline Level	75	N/A	Traffic
				9:50	57.6	61.2	43.2						
				9:55	55.3	57.8	43.6						
				10:00	54.4	56.2	43.8						
				10:05	50.4	53.2	44.0						
				10:10	54.0	56.6	44.5						
28 Sep 2023	Sunny	0.0	94.1	9:45	56.3	57.9	47.3	56.0	68.1	<Baseline Level	75	N/A	Traffic
				9:50	57.8	60.2	47.4						
				9:55	57.7	59.6	47.2						
				10:00	53.1	58.9	47.4						
				10:05	50.9	52.9	47.2						
				10:10	56.4	58.3	49.0						

* 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 Leq	Baseline Level Leq	Construction Noise Level Leq	Action Level Leq	Major Construction	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
6 Sep 2023	Sunny	0.0	94.1	10:20	50.2	51.6	46.1	52.5	68.5	<Baseline Level	75	N/A	Traffic
				10:25	49.8	51.7	44.9						
				10:30	50.2	52.4	45.6						
				10:35	54.2	55.9	45.2						
				10:40	53.6	56.4	44.2						
				10:45	54.3	56.6	44.9						
11 Sep 2023	Sunny	0.0	94.1	10:20	48.6	49.8	45.8	47.5	68.5	<Baseline Level	75	N/A	Traffic
				10:25	47.3	48.5	45.5						
				10:30	44.6	45.8	43.8						
				10:35	46.5	47.7	45.8						
				10:40	45.9	47.1	44.1						
				10:45	49.8	51.2	46.2						
19 Sep 2023	Sunny	0.0	94.1	10:20	56.2	58.1	44.3	55.2	68.5	<Baseline Level	75	N/A	Traffic
				10:25	57.6	61.2	43.2						
				10:30	55.3	57.8	43.6						
				10:35	54.4	56.2	43.8						
				10:40	50.4	53.2	44.0						
				10:45	54.0	56.6	44.5						
28 Sep 2023	Sunny	0.0	94.1	10:20	53.8	55.4	46.3	52.5	68.5	<Baseline Level	75	N/A	Traffic
				10:25	53.8	56.3	45.6						
				10:30	51.3	53.5	44.9						
				10:35	51.8	53.6	46.0						
				10:40	49.4	51.5	45.2						
				10:45	53.3	55.3	46.2						

* 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	Leq	Leq	Leq			
					Unit: dB(A), (5-min)			Unit: dB(A), (30-min)					
6 Sep 2023	Sunny	0.0	94.1	13:00	47.6	49.2	45.6	50.3	62.3	<Baseline Level	70	N/A	Traffic
				13:05	48.4	49.8	47.5						
				13:10	51.2	50.8	47.8						
				13:15	49.6	50.6	47.1						
				13:20	51.1	52.5	49.1						
				13:25	52.1	53.5	49.2						
11 Sep 2023	Sunny	0.4	94.1	13:00	49.9	50.6	47.5	51.2	62.3	<Baseline Level	70	N/A	Traffic
				13:05	52.1	53.3	50.3						
				13:10	53.4	54.6	50.8						
				13:15	48.7	50.0	47.1						
				13:20	49.8	51.2	50.5						
				13:25	51.3	52.3	50.0						
19 Sep 2023	Sunny	0.0	94.1	13:00	51.1	52.4	48.3	51.9	62.3	<Baseline Level	70	N/A	Traffic
				13:05	52.0	53.7	49.6						
				13:10	52.4	54.4	49.3						
				13:15	49.5	51.5	46.9						
				13:20	50.0	51.6	47.4						
				13:25	54.4	52.6	48.6						
28 Sep 2023	Sunny	0.0	94.1	13:00	51.4	52.1	48.9	52.8	62.3	<Baseline Level	70	N/A	Traffic
				13:05	53.6	54.8	51.8						
				13:10	55.4	56.3	52.3						
				13:15	50.2	51.6	48.5						
				13:20	51.5	52.7	52.0						
				13:25	52.8	53.9	51.4						

* 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)			Unit: dB(A), (30-min)					
6 Oct 2023	Sunny	0.0	94.1	14:15	69.7	75.3	59.2	70.0	73.3	<Baseline Level	75	N/A	Traffic
				14:20	69.8	75.1	59.6						
				14:25	67.6	73.1	57.2						
				14:30	71.2	76.5	60.5						
				14:35	72.0	77.2	61.5						
				14:40	68.1	73.2	57.6						
11 Oct 2023	Sunny	0.0	94.1	14:15	67.2	72.4	56.5	66.7	73.3	<Baseline Level	75	N/A	Traffic
				14:20	68.1	73.1	57.5						
				14:25	63.4	68.6	52.8						
				14:30	65.6	70.5	55.1						
				14:35	68.2	73.3	57.6						
				14:40	66.1	71.2	55.4						
18 Oct 2023	Sunny	0.0	94.1	14:15	63.1	68.1	54.2	65.1	73.3	<Baseline Level	75	N/A	Traffic
				14:20	62.3	67.2	53.4						
				14:25	63.4	68.0	54.5						
				14:30	68.9	73.5	60.1						
				14:35	66.4	71.2	57.6						
				14:40	61.2	65.8	52.4						
24 Oct 2023	Sunny	0.0	94.1	14:15	70.2	74.3	60.6	68.9	73.3	<Baseline Level	75	N/A	Traffic
				14:20	71.9	76.2	62.3						
				14:25	68.8	72.9	59.2						
				14:30	66.8	70.2	57.2						
				14:35	66.7	70.3	57.2						
				14:40	65.1	68.2	55.6						

* 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	Baseline Level	Construction Noise Level	Action Level	Major Construction Noise Source(s)*	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
6 Oct 2023	Sunny	0.0	94.1	13:40	61.3	64.8	54.2	64.7	76.8	<Baseline Level	75	N/A	Traffic
				13:45	62.6	66.2	55.6						
				13:50	62.8	66.3	55.7						
				13:55	64.8	68.2	57.6						
				14:00	67.5	71.2	60.3						
				14:05	66.2	69.5	59.0						
11 Oct 2023	Sunny	0.0	94.1	13:40	57.8	61.3	50.5	61.2	76.8	<Baseline Level	75	N/A	Traffic
				13:45	62.4	65.2	55.2						
				13:50	64.8	68.3	57.6						
				13:55	59.6	63.1	52.4						
				14:00	58.6	62.5	51.4						
				14:05	59.3	62.6	52.1						
18 Oct 2023	Sunny	0.0	94.1	13:40	62.1	65.6	54.9	63.7	76.8	<Baseline Level	75	N/A	Traffic
				13:45	64.2	67.8	57.2						
				13:50	66.7	70.1	59.5						
				13:55	59.6	63.2	52.4						
				14:00	64.2	67.6	57.2						
				14:05	62.3	65.6	55.2						
24 Oct 2023	Sunny	0.0	94.1	13:40	64.2	67.5	57.2	66.3	76.8	<Baseline Level	75	N/A	Traffic
				13:45	67.8	71.2	60.5						
				13:50	66.9	70.5	59.7						
				13:55	63.2	66.4	56.2						
				14:00	65.6	69.2	58.6						
				14:05	68.1	71.6	60.8						

* 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 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)								
6 Oct 2023	Sunny	0.0	94.1	11:30	55.5	58.6	47.2	58.7	73.6	<Baseline Level	75	N/A	Traffic
				11:35	59.9	63.0	51.6						
				11:40	62.2	65.3	54.1						
				11:45	57.2	60.3	49.2						
				11:50	56.3	59.4	48.1						
11:55	56.9	60.0	48.7										
11 Oct 2023	Sunny	0.1	94.1	11:30	61.6	64.7	53.4	62.9	73.6	<Baseline Level	75	N/A	Traffic
				11:35	65.1	68.2	56.9						
				11:40	54.2	57.3	46.0						
				11:45	60.7	63.8	52.5						
				11:50	63.2	66.3	55.0						
11:55	65.4	68.5	57.2										
18 Oct 2023	Sunny	0.0	94.1	11:30	55.5	52.3	47.9	56.7	73.6	<Baseline Level	75	N/A	Traffic
				11:35	58.2	55.2	50.6						
				11:40	56.2	54.3	48.6						
				11:45	56.8	54.6	49.2						
				11:50	56.4	55.2	48.8						
11:55	56.9	53.7	49.3										
24 Oct 2023	Sunny	0.1	94.1	11:30	60.8	64.3	51.4	61.6	73.6	<Baseline Level	75	N/A	Traffic
				11:35	61.6	65.2	52.6						
				11:40	63.2	66.7	53.8						
				11:45	60.4	63.8	51.2						
				11:50	63.6	67.2	54.2						
11:55	56.9	60.5	57.6										

* 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)					
6 Oct 2023	Sunny	0.0	94.1	10:55	56.3	58.4	44.1	57.6	62.2	<Baseline Level	75	N/A	Traffic
				11:00	57.8	59.9	45.2						
				11:05	58.9	61.0	44.8						
				11:10	56.8	58.9	44.5						
				11:15	58.6	60.5	44.3						
				11:20	56.4	58.6	45.1						
11 Oct 2023	Sunny	0.0	94.1	10:55	51.5	53.8	43.9	54.5	62.2	<Baseline Level	75	N/A	Traffic
				11:00	53.0	55.2	45.6						
				11:05	56.3	58.6	48.7						
				11:10	56.9	59.1	49.3						
				11:15	53.8	56.5	46.2						
				11:20	53.2	55.5	45.6						
18 Oct 2023	Sunny	0.0	94.1	10:55	55.2	57.6	48.5	56.7	62.2	<Baseline Level	75	N/A	Traffic
				11:00	57.0	59.4	50.2						
				11:05	58.7	61.2	50.9						
				11:10	54.7	57.2	47.9						
				11:15	56.6	59.0	49.8						
				11:20	57.0	59.4	50.1						
24 Oct 2023	Sunny	0.0	94.1	10:55	52.0	54.7	43.5	55.9	62.2	<Baseline Level	75	N/A	Traffic
				11:00	53.6	57.7	43.2						
				11:05	59.3	57.5	43.7						
				11:10	56.3	57.8	43.2						
				11:15	54.6	56.1	42.9						
				11:20	55.9	57.6	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: 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)								
6 Oct 2023	Sunny	0.0	94.1	15:00	55.1	58.9	48.4	56.7	70.7	<Baseline Level	75	N/A	Traffic
				15:05	54.8	58.6	48.2						
				15:10	52.3	56.1	45.5						
				15:15	55.3	56.9	48.6						
				15:20	59.6	63.5	52.8						
15:25	58.9	62.6	52.1										
11 Oct 2023	Sunny	0.0	94.1	15:00	52.2	56.4	47.5	54.3	70.7	<Baseline Level	75	N/A	Traffic, Beverage Factory
				15:05	55.4	59.6	50.6						
				15:10	49.5	52.8	44.9						
				15:15	52.4	56.8	47.6						
				15:20	56.6	60.7	51.2						
15:25	55.9	60.1	51.1										
18 Oct 2023	Sunny	0.0	94.1	15:00	59.3	62.7	52.6	61.2	70.7	<Baseline Level	75	N/A	Traffic
				15:05	65.2	68.5	58.5						
				15:10	59.5	62.9	52.7						
				15:15	57.7	61.2	51.6						
				15:20	61.8	65.2	55.2						
15:25	58.3	61.7	51.3										
24 Oct 2023	Sunny	0.0	94.1	15:00	56.7	60.4	50.8	60.0	70.7	<Baseline Level	75	N/A	Traffic
				15:05	63.7	68.2	50.5						
				15:10	53.6	56.9	50.6						
				15:15	56.9	60.5	52.0						
				15:20	61.2	65.4	52.2						
15:25	60.7	65.0	51.6										

* 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)								
6 Oct 2023	Sunny	0.1	94.1	9:45	56.2	58.3	46.1	57.4	68.1	<Baseline Level	75	Crane	Traffic
				9:50	58.6	60.7	48.4						
				9:55	57.6	59.7	47.5						
				10:00	55.4	57.5	45.2						
				10:05	57.6	59.6	47.5						
10:10	58.1	60.3	47.8										
11 Oct 2023	Sunny	0.3	94.1	9:45	52.8	55.5	43.0	54.4	68.1	<Baseline Level	75	N/A	Traffic
				9:50	55.6	58.6	45.8						
				9:55	54.7	57.4	44.7						
				10:00	52.6	55.3	42.6						
				10:05	54.5	57.2	44.6						
10:10	55.3	58.1	45.5										
18 Oct 2023	Sunny	0.0	94.1	9:45	55.1	58.2	46.2	56.4	68.1	<Baseline Level	75	N/A	Traffic
				9:50	57.8	60.8	48.8						
				9:55	57.9	61.2	49.2						
				10:00	54.3	57.6	45.5						
				10:05	56.2	59.4	47.6						
10:10	56.2	56.9	47.8										
24 Oct 2023	Sunny	0.3	94.1	9:45	53.6	54.7	45.7	55.8	68.1	<Baseline Level	75	N/A	Traffic
				9:50	57.1	57.7	44.7						
				9:55	56.2	57.5	42.6						
				10:00	54.1	55.6	44.3						
				10:05	55.9	57.8	42.6						
10:10	56.7	58.2	45.9										

* 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)			Unit: dB(A), (30-min)					
6 Oct 2023	Sunny	0.0	94.1	10:20	49.2	52.4	42.8	48.3	68.5	<Baseline Level	75	N/A	Traffic
				10:25	47.3	50.6	40.9						
				10:30	45.5	48.7	41.0						
				10:35	48.0	51.2	41.6						
				10:40	49.6	52.6	43.2						
				10:45	49.0	52.3	42.5						
11 Oct 2023	Sunny	0.0	94.1	10:20	46.9	50.3	39.2	46.1	68.5	<Baseline Level	75	N/A	Traffic
				10:25	45.1	48.6	38.1						
				10:30	43.4	46.8	39.4						
				10:35	45.6	49.2	37.4						
				10:40	47.5	50.5	39.6						
				10:45	46.8	50.3	38.1						
18 Oct 2023	Sunny	0.0	94.1	10:20	48.0	50.8	41.5	47.3	68.5	<Baseline Level	75	N/A	Traffic
				10:25	46.3	49.3	39.8						
				10:30	44.6	47.6	38.2						
				10:35	46.8	49.5	40.6						
				10:40	48.6	51.6	42.3						
				10:45	48.1	51.2	42.8						
24 Oct 2023	Sunny	0.0	94.1	10:20	50.7	55.2	40.2	49.9	68.5	<Baseline Level	75	N/A	Traffic
				10:25	48.8	51.8	43.4						
				10:30	47.0	49.9	43.0						
				10:35	49.6	52.5	42.6						
				10:40	51.3	54.2	41.3						
				10:45	50.6	53.5	40.9						

* 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)								
6 Oct 2023	Sunny	0.0	94.1	13:00	49.4	52.1	43.0	54.6	62.3	<Baseline Level	70	N/A	Traffic
				13:05	54.1	56.7	47.7						
				13:10	56.8	59.1	50.6						
				13:15	55.2	57.2	48.8						
				13:20	52.8	55.3	46.3						
11 Oct 2023	Sunny	0.0	94.1	13:00	47.2	50.3	42.4	51.8	62.3	<Baseline Level	70	N/A	Traffic
				13:05	51.6	54.7	46.8						
				13:10	54.3	57.4	49.5						
				13:15	50.5	53.6	45.6						
				13:20	50.4	53.5	45.6						
18 Oct 2023	Sunny	0.0	94.1	13:00	54.4	57.8	46.1	56.0	62.3	<Baseline Level	70	N/A	Traffic
				13:05	55.7	59.2	46.4						
				13:10	58.7	62.3	49.5						
				13:15	51.2	54.6	41.8						
				13:20	54.5	57.9	45.3						
24 Oct 2023	Sunny	0.0	94.1	13:00	57.6	61.0	48.2	56.9	62.3	<Baseline Level	70	N/A	Traffic
				13:05	52.0	54.6	46.9						
				13:10	56.9	59.7	51.8						
				13:15	59.9	63.0	54.3						
				13:20	53.4	55.9	48.6						
				13:25	55.6	58.2	50.2						
				13:25	58.7	61.3	53.1						

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

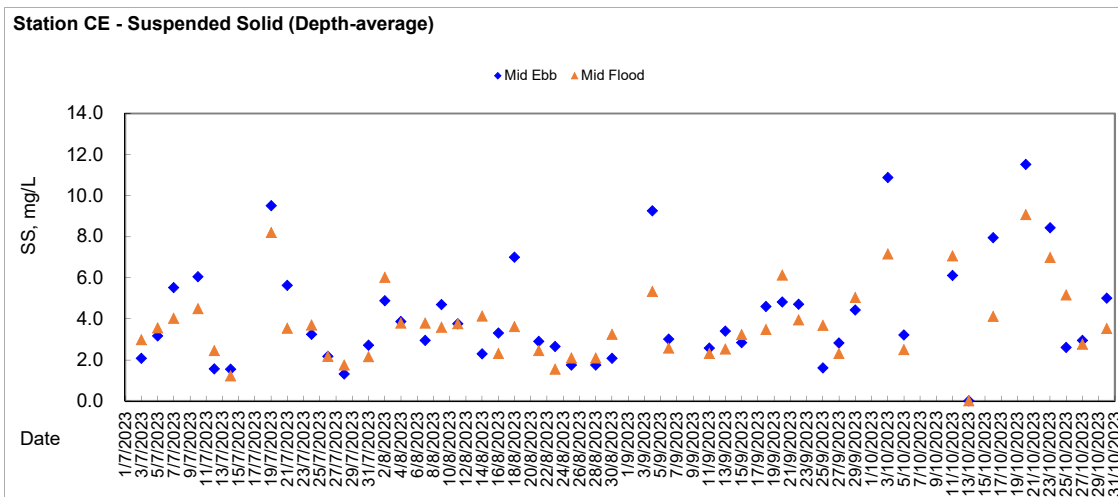
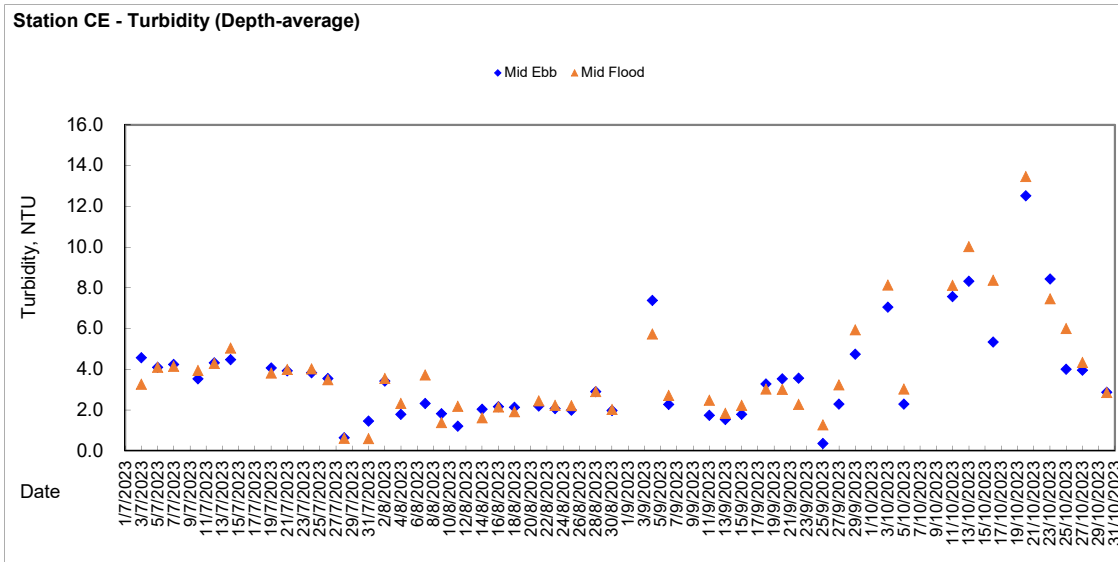
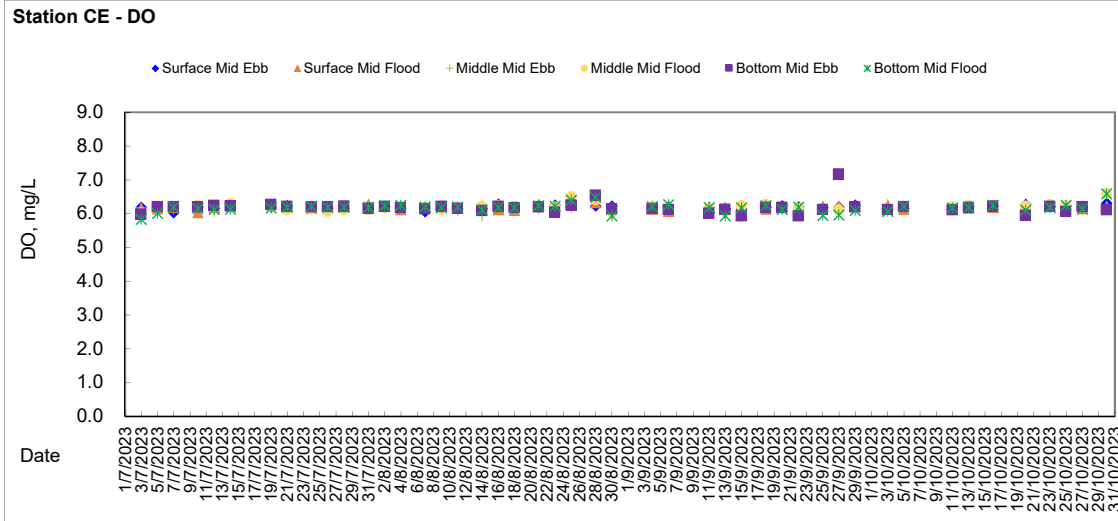


Appendix 5.2

Marine Water Quality Monitoring Graphical and Summary of Exceedance Presentations

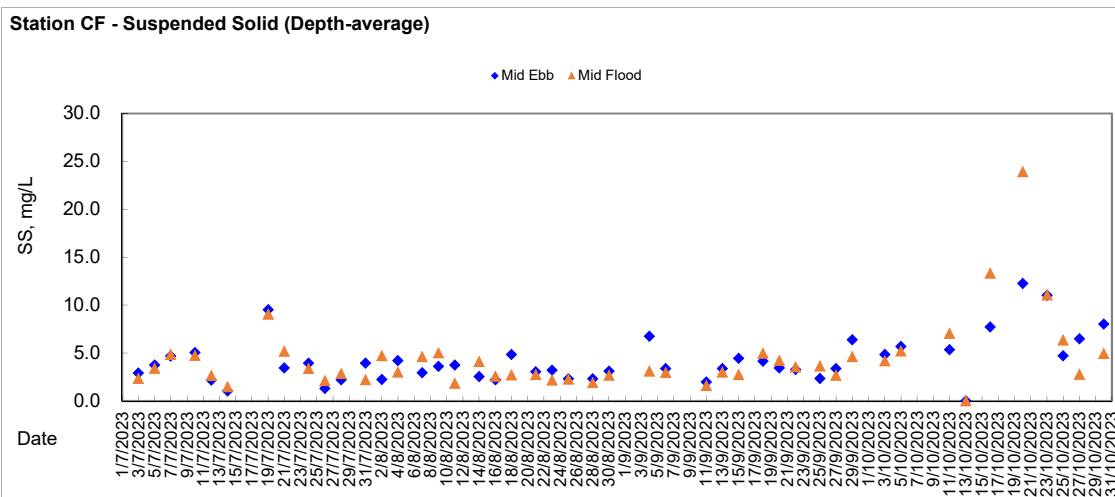
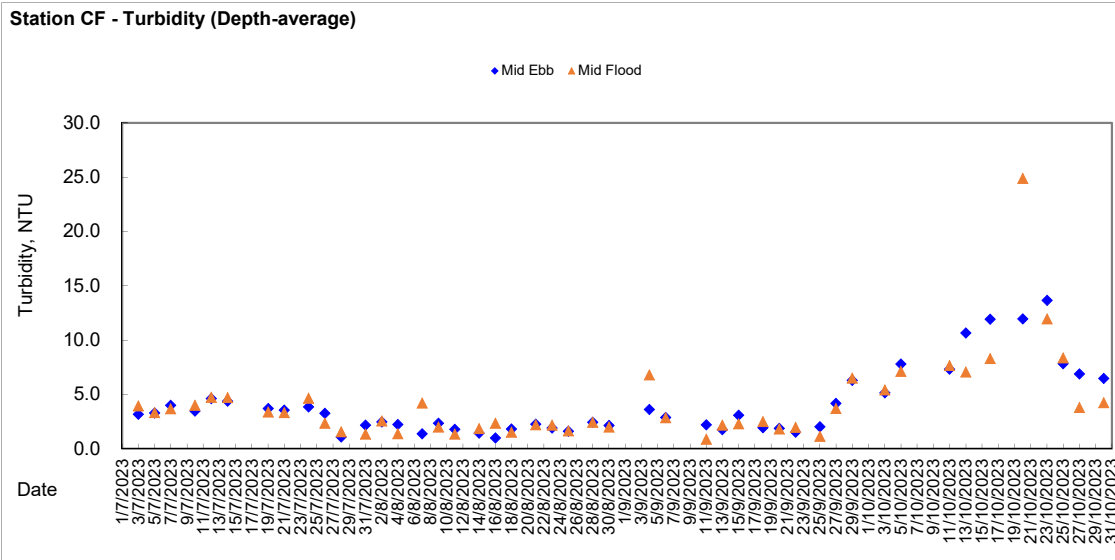
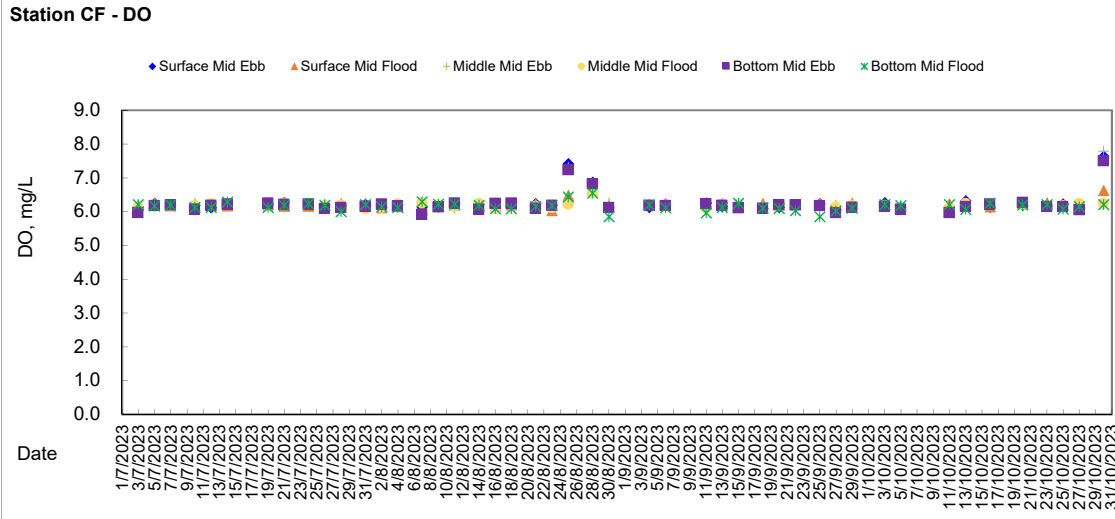


Graphic Presentation of WQM Result





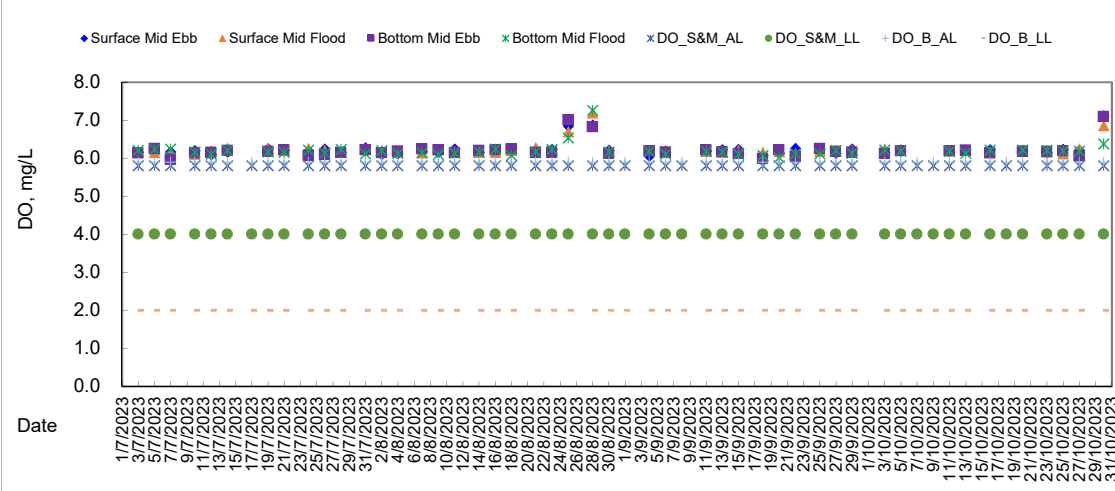
Graphic Presentation of WQM Result



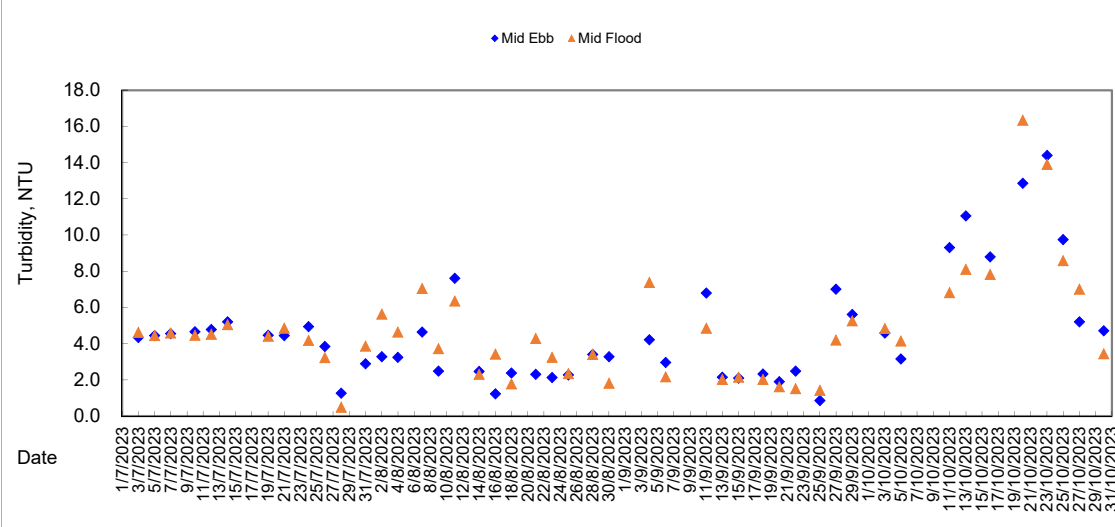


Graphic Presentation of WQM Result

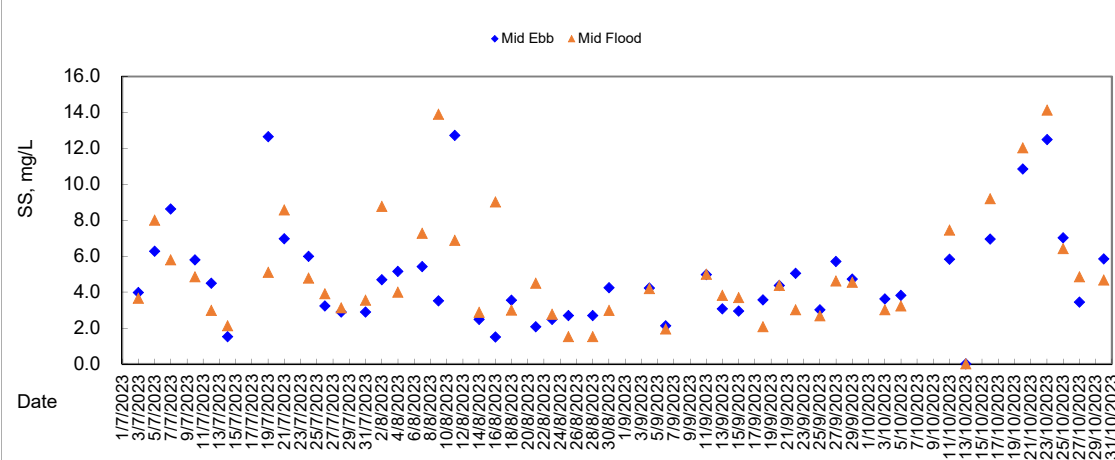
Station SR4 - DO



Station SR4 - Turbidity (Depth-average)



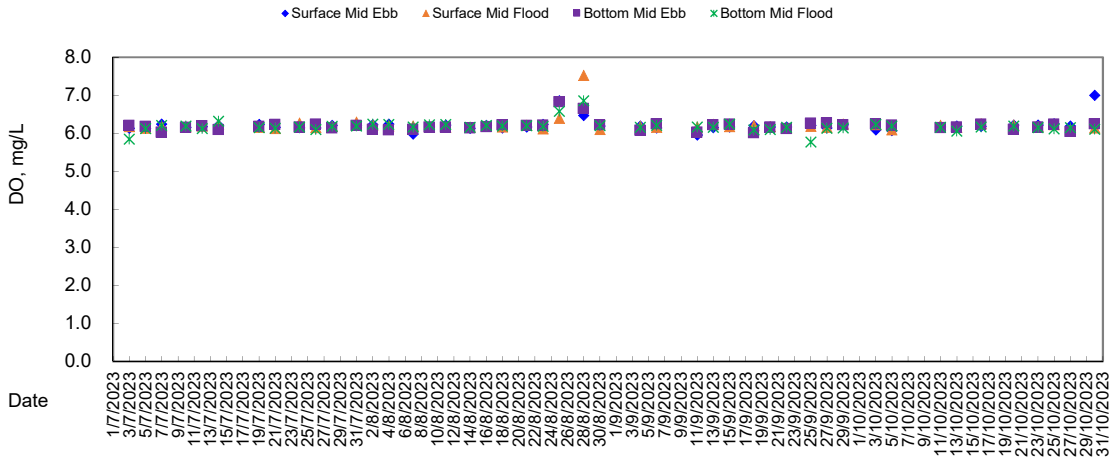
SR4- Suspended Solid (Depth-average)



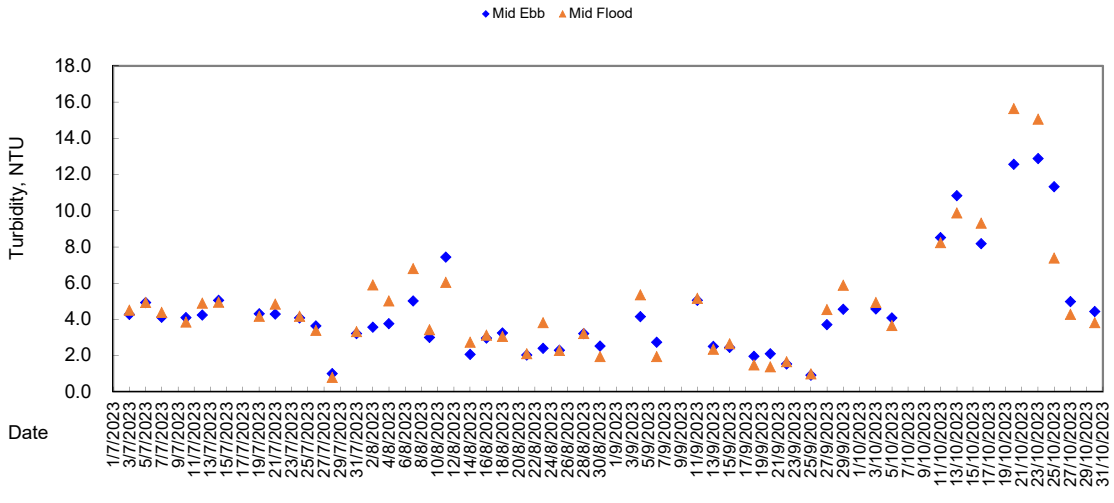


Graphic Presentation of WQM Result

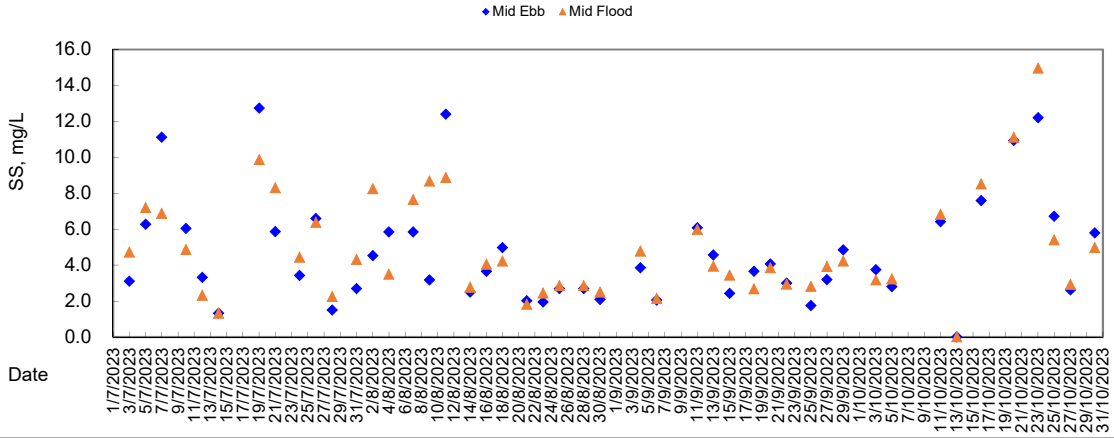
Station SR5 - DO



Station SR5 - Turbidity (Depth-average)



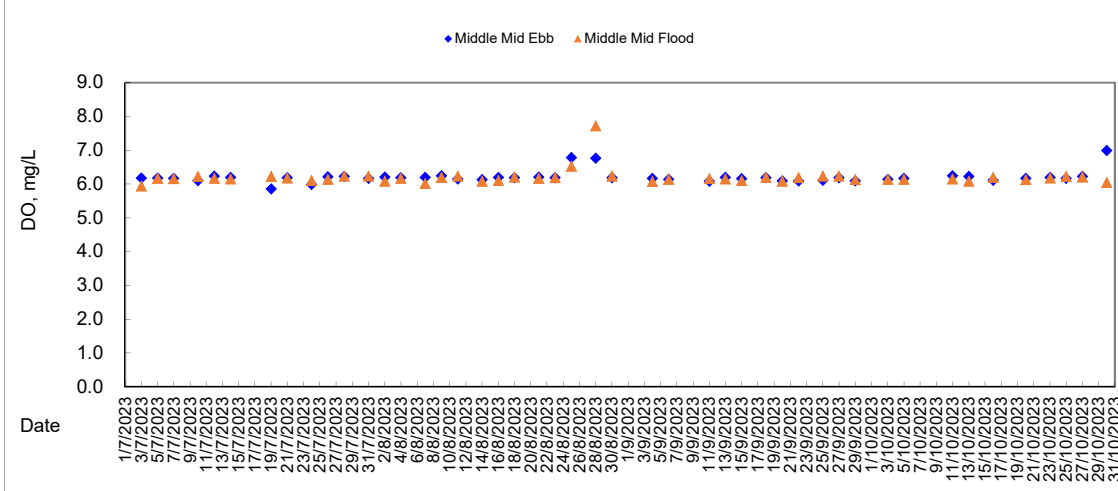
Station SR5 - Suspended Solid (Depth-average)



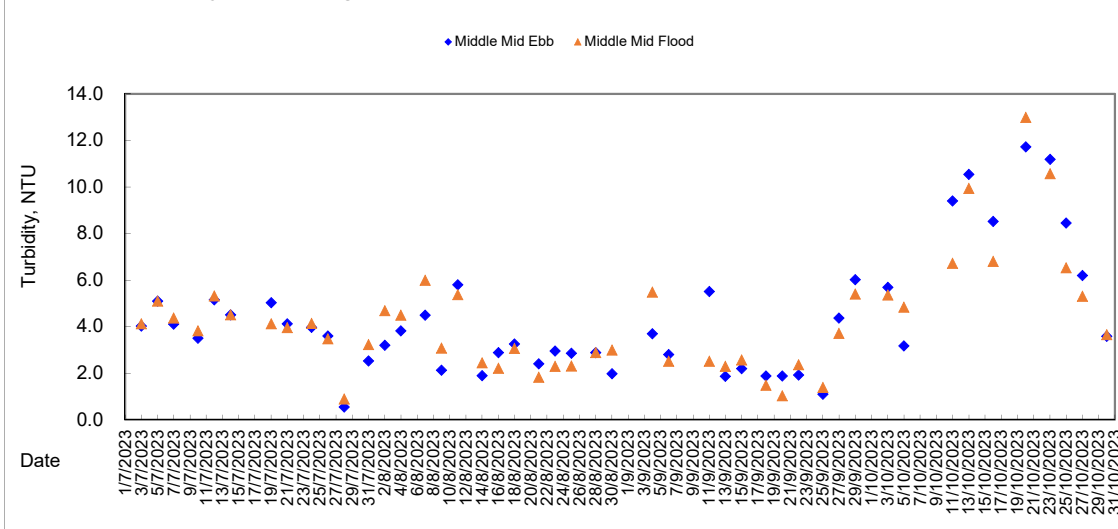


Graphic Presentation of WQM Result

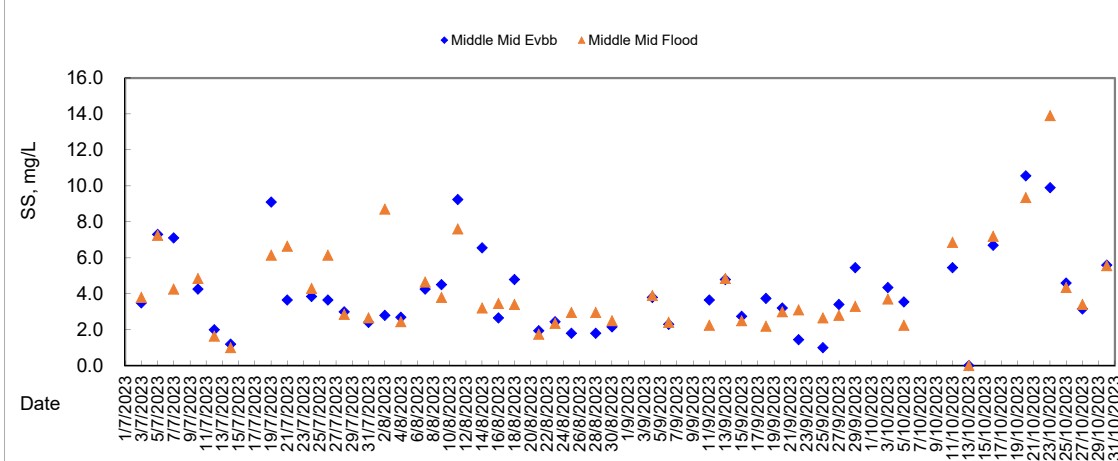
Station SR6 - DO



Station SR6 - Turbidity (Depth-average)



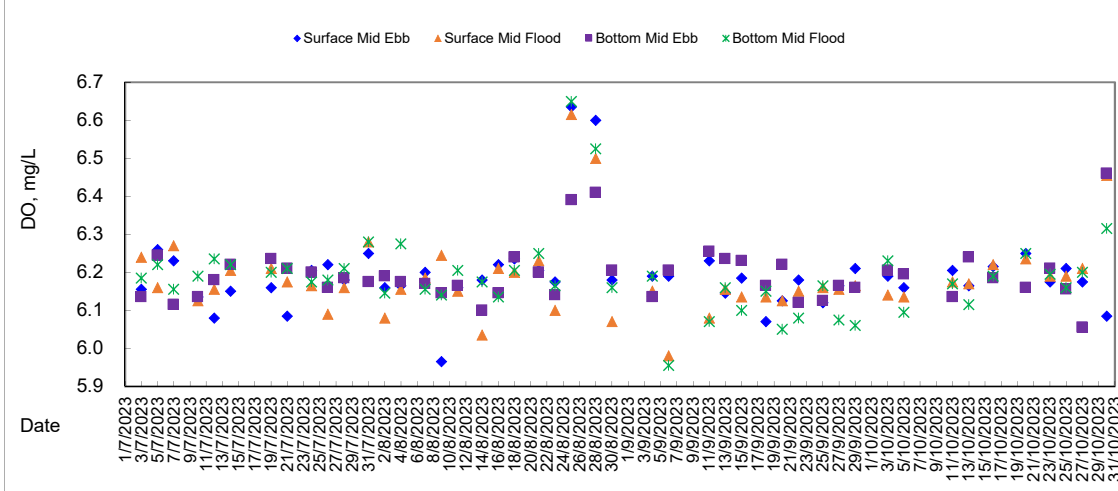
Station SR6 - Suspended Solid (Depth-average)



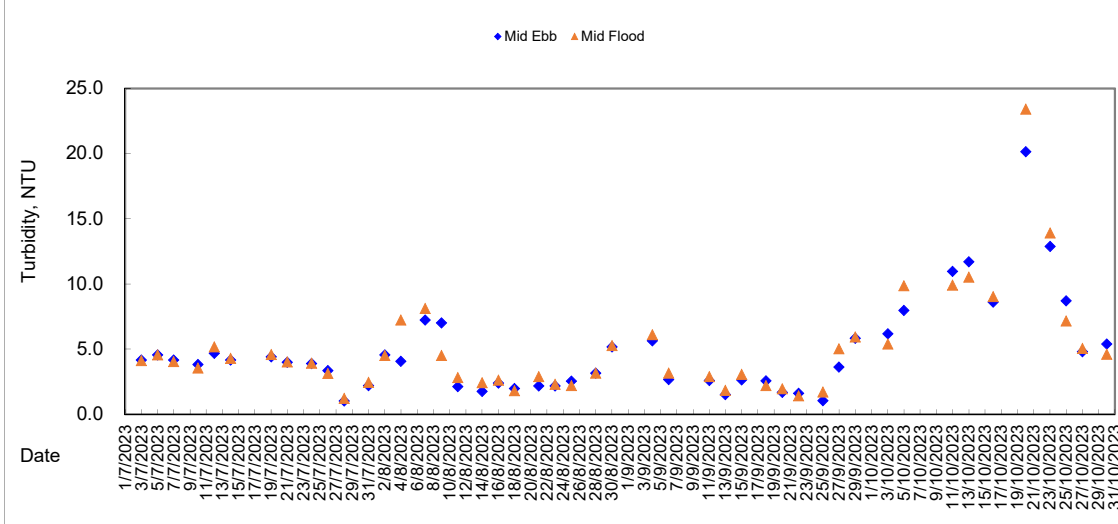


Graphic Presentation of WQM Result

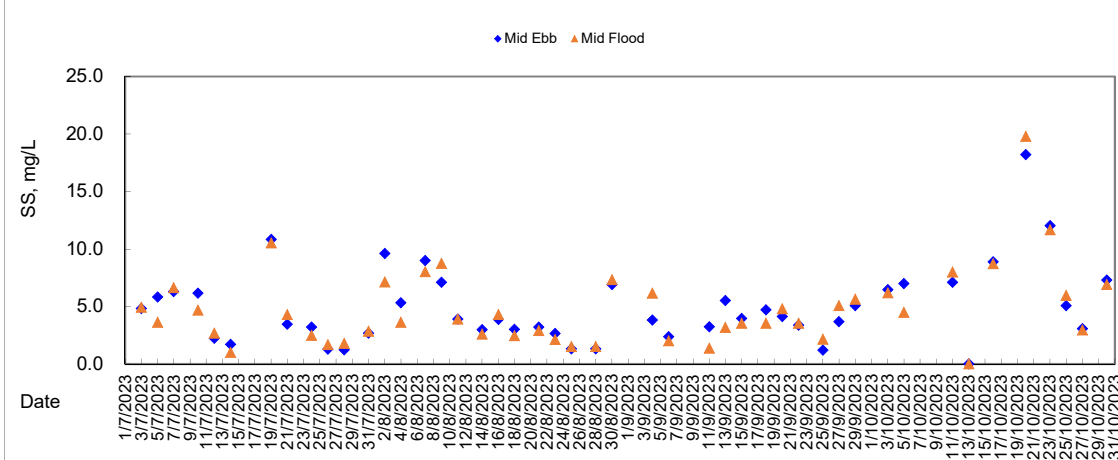
Station SR9 - DO



Station SR9 - Turbidity (Depth-average)



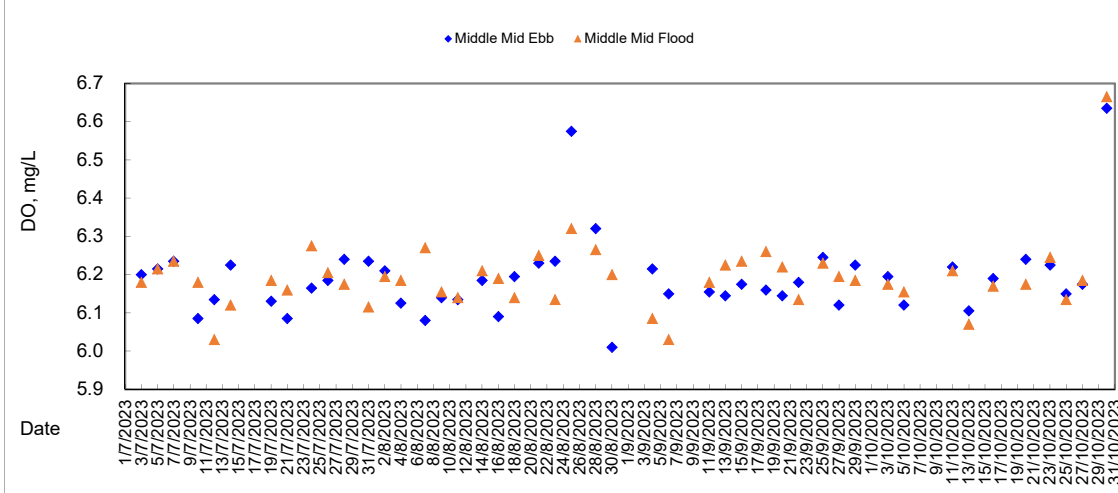
Station SR9 - Suspended Solid (Depth Average)



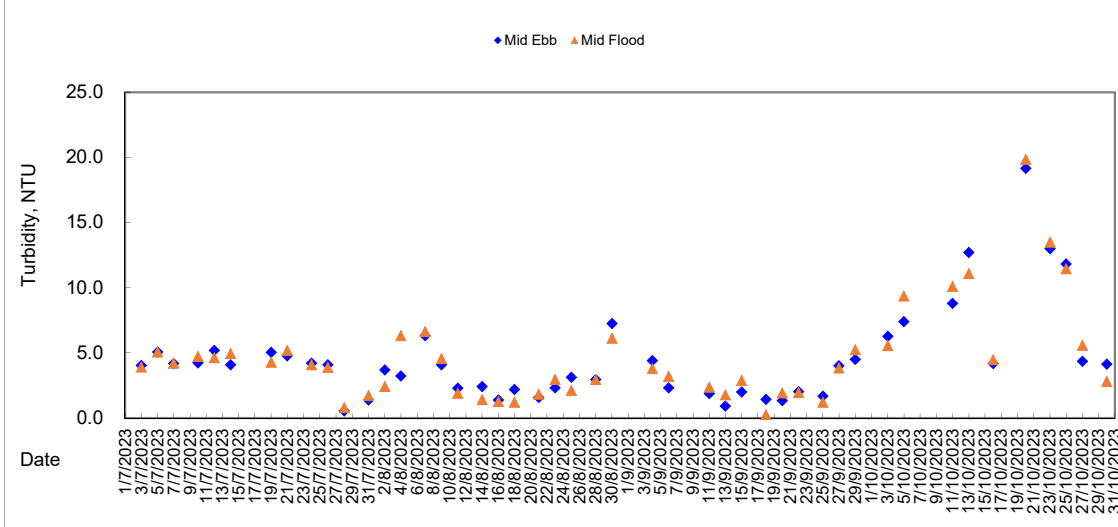


Graphic Presentation of WQM Result

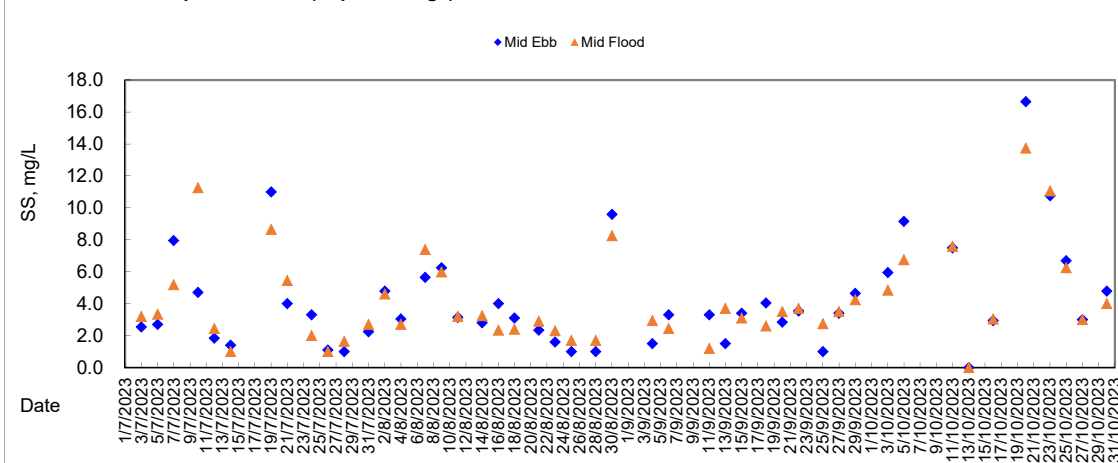
Station SR10 - DO



Station SR10 - Turbidity (Depth-average)

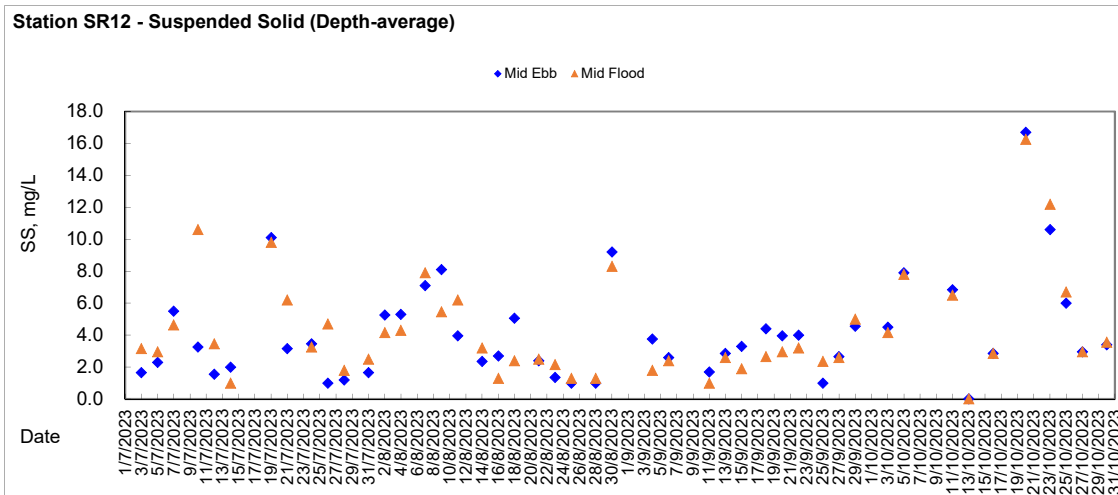
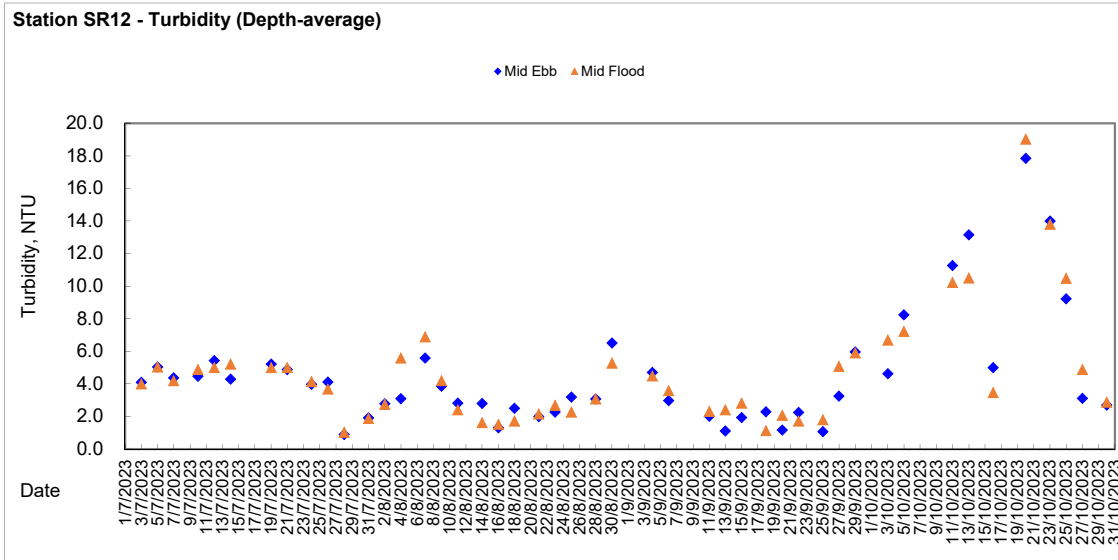
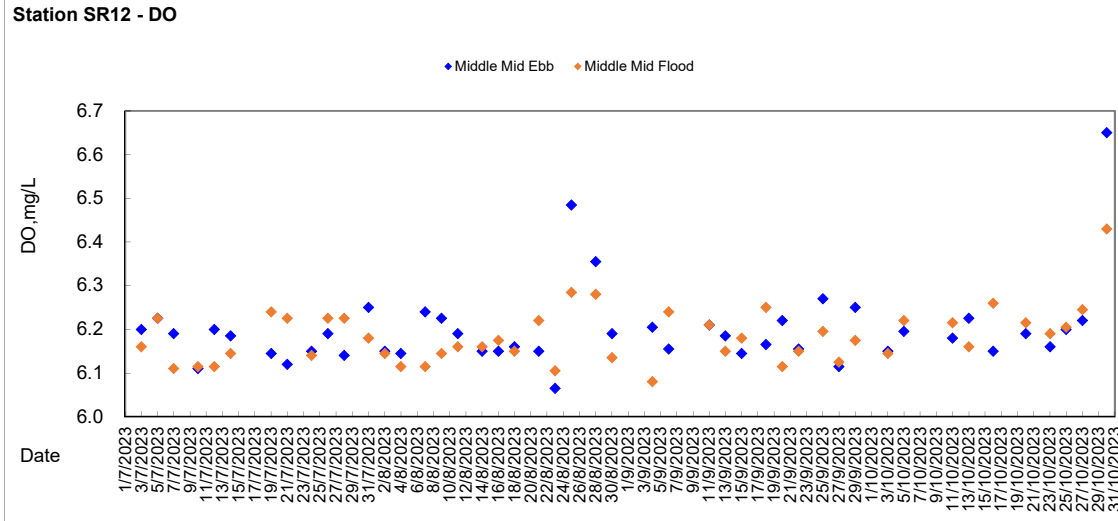


Station SR10 - Suspended Solid (Depth-average)



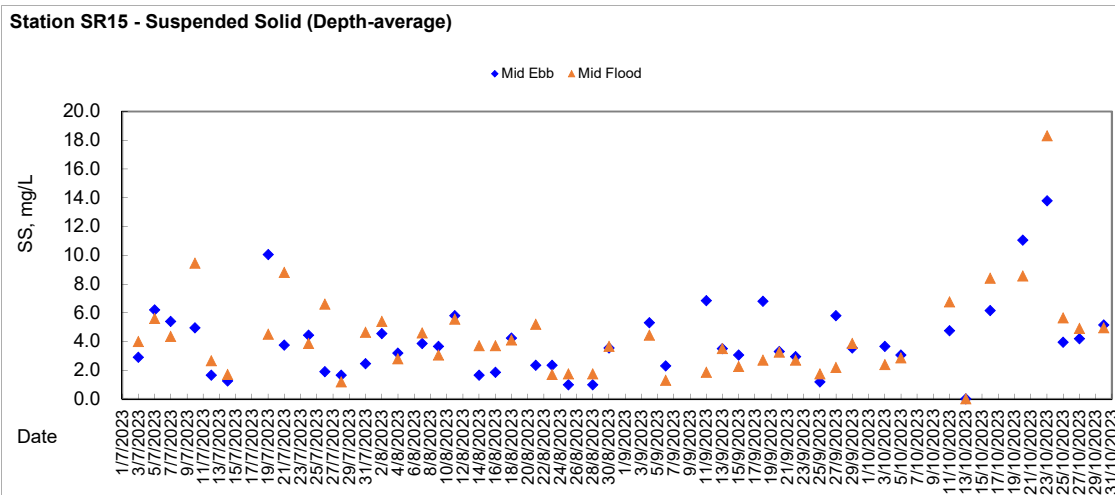
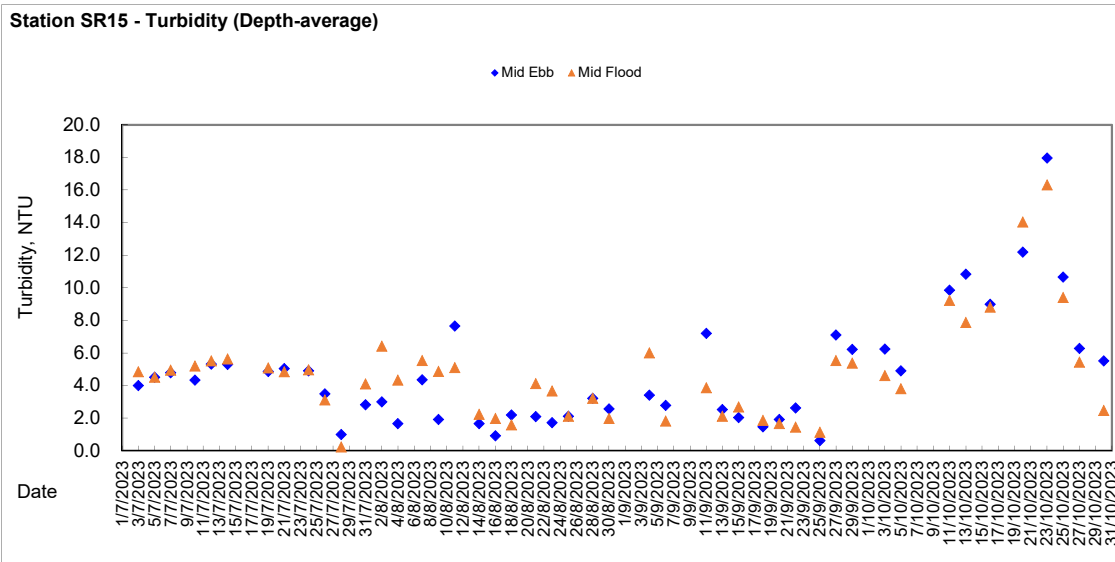
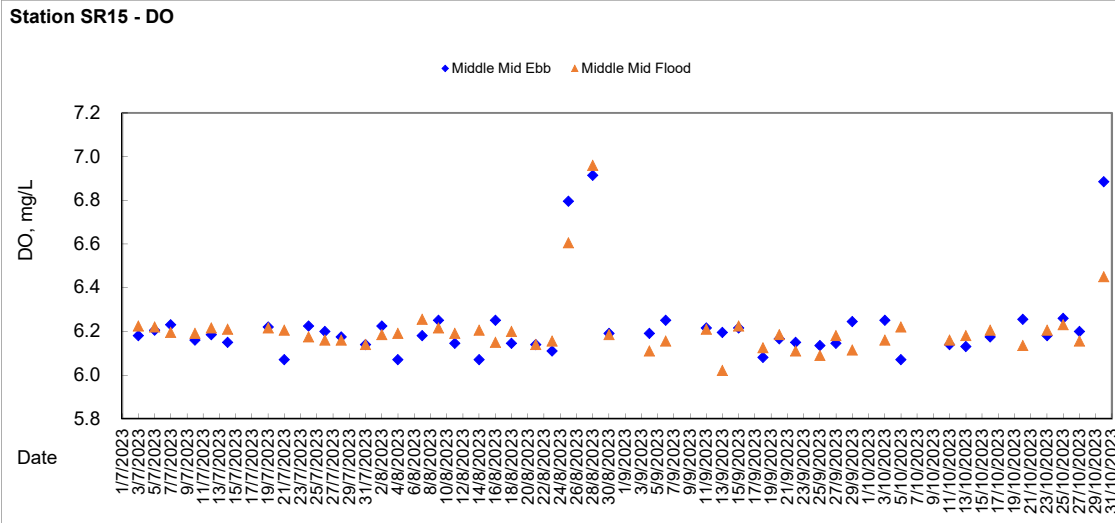


Graphic Presentation of WQM Result





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	2/8/2023	Fine	11:41	3.6	1.0	27.30	27.30	8.27	8.28	29.95	29.95	81.60	82.10	6.08	6.11	2.35	2.37	3.4	3.6		
			11:42	3.6	1.0	27.30	27.30	8.28	8.28	29.94	29.95	82.60	82.10	6.13	6.11	2.39	2.37	3.5	3.6		
	4/8/2023	Fine	13:58	3.6	1.0	29.20	29.25	8.32	8.35	30.17	30.18	85.00	84.95	6.12	6.12	2.04	2.08	2.5	2.7		
			13:59	3.6	1.0	29.30	29.30	8.35	8.35	30.18	30.18	84.90	84.95	6.11	6.12	2.04	2.08	2.5	2.7		
	7/8/2023	Fine	16:06	3.3	1.0	27.50	27.45	8.13	8.14	30.39	30.40	81.30	81.25	6.18	6.18	3.39	3.37	4.5	4.7		
			16:07	3.3	1.0	27.40	27.45	8.14	8.14	30.40	30.40	81.20	81.20	6.17	6.18	3.34	3.37	4.8	4.7		
	9/8/2023	Fine	7:13	3.0	1.0	28.00	28.10	8.21	8.22	30.42	30.23	82.70	83.10	6.11	6.15	2.15	2.22	3.0	2.7		
			7:14	3.0	1.0	28.20	28.10	8.23	8.23	30.04	30.23	83.50	83.10	6.19	6.15	2.28	2.22	2.4	2.7		
	11/8/2023	Cloudy	8:42	3.4	1.0	26.80	26.80	8.09	8.09	31.26	31.26	83.60	84.05	6.20	6.24	7.27	7.23	9.8	9.9		
			8:43	3.4	1.0	26.80	26.80	8.09	8.09	31.26	31.26	84.50	84.05	6.28	6.24	7.18	7.23	10.0	9.9		
	14/8/2023	Fine	10:32	3.4	1.0	26.10	26.10	8.25	8.25	29.96	29.97	85.00	84.95	6.12	6.16	2.59	2.67	2.5	2.4		
			10:33	3.4	1.0	26.10	26.10	8.24	8.25	29.97	29.97	84.90	84.95	6.20	6.16	2.75	2.67	2.2	2.4		
	16/8/2023	Cloudy	12:09	3.7	1.0	27.10	27.05	8.31	8.31	30.14	30.14	83.10	82.55	6.18	6.15	1.42	1.41	1.9	1.8		
			12:10	3.7	1.0	27.00	27.05	8.30	8.31	30.14	30.14	82.00	82.00	6.12	6.15	1.39	1.41	1.7	1.8		
	18/8/2023	Fine	13:12	3.6	1.0	27.60	27.65	8.26	8.26	30.86	30.87	83.60	84.05	6.20	6.24	3.24	3.32	3.1	3.2		
			13:13	3.6	1.0	27.70	27.65	8.28	8.28	30.87	30.87	84.50	84.05	6.28	6.24	3.38	3.32	3.3	3.2		
	21/8/2023	Fine	14:51	3.7	1.0	27.40	27.45	8.16	8.17	31.15	31.16	82.70	83.50	6.14	6.22	2.25	2.08	1.8	1.8		
			14:52	3.7	1.0	27.50	27.45	8.17	8.17	31.16	31.16	84.30	83.50	6.29	6.22	1.93	2.08	1.8	1.8		
	23/8/2023	Fine	16:12	3.7	1.0	27.90	27.90	8.14	8.13	31.03	31.02	84.10	83.65	6.26	6.24	2.16	2.12	2.3	2.2		
			16:13	3.7	1.0	27.90	27.90	8.12	8.13	31.01	31.02	83.20	83.65	6.21	6.24	2.07	2.12	2.1	2.2		
	25/8/2023	Fine	7:14	3.3	1.0	28.52	28.51	8.36	8.46	28.37	28.40	104.80	102.95	6.95	6.85	2.18	2.12	2.4	2.5		
			7:15	3.3	1.0	28.50	28.51	8.56	8.46	28.42	28.40	101.10	102.95	6.74	6.85	2.05	2.12	2.6	2.5		
	28/8/2023	Fine	9:09	3.6	1.0	29.59	29.59	9.08	9.10	25.19	25.29	104.00	103.70	6.89	6.87	3.42	3.36	2.4	2.5		
			9:10	3.6	1.0	29.59	29.59	9.12	9.10	25.39	25.29	103.40	103.70	6.85	6.87	3.29	3.36	2.6	2.5		
	30/8/2023	Fine	10:50	3.8	1.0	26.00	26.00	8.16	8.17	29.88	29.89	84.90	83.50	6.23	6.21	3.24	3.19	3.8	3.9		
			10:51	3.8	1.0	26.00	26.00	8.17	8.17	29.90	29.89	82.10	83.50	6.19	6.21	3.13	3.19	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 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	2/8/2023	Fine	18:15	3.2	1.0	27.90	27.85	8.29	8.29	29.50	29.51	86.30	86.25	6.19	6.18	4.96	5.04	7.0	6.9		
			18:16	3.2	1.0	27.90	27.85	8.29	8.29	29.51	29.51	86.20	86.25	6.17	6.18	5.11	5.04	6.8	6.9		
	4/8/2023	Fine	7:31	3.3	1.0	28.40	28.45	8.40	8.41	30.09	30.09	81.60	81.85	6.14	6.17	3.39	3.37	2.6	2.7		
			7:32	3.3	1.0	28.50	28.45	8.41	8.41	30.08	30.09	82.10	81.85	6.19	6.17	3.34	3.37	2.7	2.7		
	7/8/2023	Fine	9:48	3.1	1.0	27.60	27.65	8.10	8.11	30.49	30.49	82.10	81.40	6.19	6.14	5.87	5.92	5.8	6.0		
			9:49	3.1	1.0	27.70	27.65	8.11	8.11	30.48	30.49	80.70	81.40	6.09	6.14	5.96	5.92	6.1	6.0		
	9/8/2023	Fine	13:17	3.3	1.0	28.10	28.15	8.21	8.21	30.60	30.61	82.90	83.60	6.19	6.23	3.09	3.14	4.1	3.9		
			13:18	3.3	1.0	28.20	28.15	8.21	8.21	30.61	30.61	84.30	83.60	6.26	6.23	3.18	3.14	3.7	3.9		
	11/8/2023	Cloudy	17:11	3.1	1.0	26.70	26.70	8.15	8.15	31.46	31.47	82.20	83.10	6.12	6.19	7.05	7.02	6.6	6.4		
			17:12	3.1	1.0	26.70	26.70	8.15	8.15	31.47	31.47	84.00	83.10	6.25	6.19	6.98	7.02	6.1	6.4		
	14/8/2023	Fine	18:05	3.0	1.0	26.40	26.40	8.32	8.33	30.12	30.13	82.20	82.80	6.12	6.16	2.67	2.71	2.3	2.2		
			18:06	3.0	1.0	26.40	26.40	8.33	8.33	30.13	30.13	83.40	82.80	6.20	6.16	2.75	2.71	2.0	2.2		
	16/8/2023	Cloudy	18:18	3.1	1.0	28.00	27.95	8.48	8.47	29.99	30.00	83.40	83.00	6.19	6.16	1.77	1.83	4.2	4.0		
			18:19	3.1	1.0	27.90	27.95	8.46	8.47	30.00	30.00	82.60	83.00	6.13	6.16	1.89	1.83	3.8	4.0		
	18/8/2023	Fine	7:11	3.4	1.0	27.50	27.50	8.44	8.43	30.82	30.83	84.90	84.95	6.20	6.21	1.84	1.73	3.4	3.4		
			7:12	3.4	1.0	27.50	27.50	8.42	8.43	30.83	30.83	85.00	84.95	6.21	6.21	1.61	1.73	3.3	3.4		
	21/8/2023	Fine	8:27	3.4	1.0	26.60	26.60	8.28	8.28	31.50	31.50	84.90	84.60	6.29	6.28	4.39	4.47	5.1	4.7		
			8:28	3.4	1.0	26.60	26.60	8.28	8.28	31.50	31.50	84.30	84.60	6.26	6.28	4.55	4.47	4.2	4.7		
	23/8/2023	Fine	10:07	3.2	1.0	27.50	27.55	8.10	8.11	31.13	31.12	89.50	89.80	6.18	6.20	2.54	3.07	2.6	2.6		
			10:08	3.2	1.0	27.60	27.55	8.11	8.11	31.10	31.12	90.10	89.80	6.22	6.20	3.59	3.07	2.5	2.6		
	25/8/2023	Fine	16:41	3.1	1.0	28.90	28.90	8.98	8.96	27.09	27.09	101.30	100.90	6.72	6.70	2.25	2.31	1.4	1.3		
			16:41	3.1	1.0	28.89	28.90	8.93	8.96	27.08	27.09	100.50	100.90	6.67	6.70	2.37	2.31	1.2	1.3		
	28/8/2023	Fine	17:27	3.2	1.0	30.61	30.62	10.38	10.41	25.24	25.31	110.10	110.45	7.17	7.19	3.42	3.36	1.4	1.3		
			17:28	3.2	1.0	30.62	30.62	10.44	10.41	25.37	25.31	110.80	110.45	7.21	7.19	3.29	3.36	1.2	1.3		
	30/8/2023	Fine	18:12	3.2	1.0	26.40	26.45	8.25	8.25	30.11	30.11	81.20	81.35	6.17	6.18	1.60	1.73	3.1	3.0		
			18:13	3.2	1.0	26.50	26.45	8.25	8.25	30.10	30.11	81.50	81.35	6.19	6.18	1.85	1.73	2.8	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 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	2/8/2023	Fine	12:17	4.3	1.0	28.00		8.37		29.35		83.20		6.21	6.16	2.54	2.47	6.4	6.6		
			12:18	4.3	1.0	27.90	27.95	8.36	8.37	29.34	29.35	81.90	82.55	6.11	6.16	2.39	2.47	6.4	6.6		
	4/8/2023	Fine	13:26	3.8	1.0	28.30	28.15	8.34	8.34	30.20	30.19	81.80	81.50	6.18	6.17	3.25	3.27	3.1	2.9		
			13:27	3.8	1.0	28.00		8.33		30.18		81.20		6.15		3.28		2.6			
	7/8/2023	Fine	15:34	4.1	1.0	27.60	27.55	8.09	8.10	30.78	30.79	84.80	84.70	6.21	6.20	5.66	5.63	7.8	8.0		
			15:35	4.1	1.0	27.50		8.10		30.79		84.60		6.19		5.59		8.2			
	9/8/2023	Fine	7:51	3.8	1.0	28.30	28.15	8.27	8.27	30.55	30.54	79.80	80.80	5.87	5.97	4.76	4.79	6.0	6.2		
			7:52	3.8	1.0	28.00		8.27		30.52		81.80		6.06		4.82		6.3			
	11/8/2023	Cloudy	9:19	3.9	1.0	26.80	26.85	8.32	8.32	29.54	29.54	84.60	82.65	6.24	6.16	2.00	2.09	3.5	3.3		
			9:20	3.9	1.0	26.90		8.31		29.53		80.70		6.08		2.18		3.1			
	14/8/2023	Fine	11:10	4.1	1.0	26.00	26.10	8.30	8.31	30.00	30.01	82.40	83.05	6.15	6.18	1.83	1.72	1.6	1.7		
			11:11	4.1	1.0	26.20		8.31		30.01		83.70		6.21		1.61		1.8			
	16/8/2023	Cloudy	12:46	4.3	1.0	27.00	27.10	8.33	8.32	30.62	30.61	83.00	83.20	6.19	6.22	2.01	2.09	3.1	3.0		
			12:47	5.0	1.0	27.20		8.31		30.60		83.40		6.25		2.17		2.8			
	18/8/2023	Fine	12:40	4.3	1.0	27.00	27.10	8.44	8.43	30.93	30.93	83.30	83.80	6.19	6.24	2.42	2.35	3.4	3.3		
			12:41	4.3	1.0	27.20		8.42		30.93		84.30		6.28		2.27		3.2			
	21/8/2023	Fine	14:19	4.3	1.0	27.00	27.05	8.22	8.23	31.44	31.43	82.60	83.15	6.16	6.21	1.97	2.07	2.8	2.8		
			14:20	4.3	1.0	27.10		8.24		31.42		83.70		6.25		2.17		2.7			
	23/8/2023	Fine	15:40	4.2	1.0	27.60	27.55	8.09	8.10	31.30	31.31	82.10	83.50	6.11	6.18	2.16	2.11	2.8	3.0		
			15:41	4.2	1.0	27.50		8.10		31.32		84.90		6.24		2.05		3.1			
	25/8/2023	Fine	7:52	4.0	1.0	29.18	29.18	8.85	8.83	24.87	25.83	100.30	99.80	6.70	6.64	2.36	2.26	1.1	1.2		
			7:53	4.0	1.0	29.18		8.80		26.79		99.30		6.57		2.15		1.2			
	28/8/2023	Fine	9:47	3.9	1.0	29.49	29.48	9.47	9.48	24.12	24.29	99.50	98.95	6.64	6.60	2.99	3.01	1.1	1.2		
			9:48	3.9	1.0	29.47		9.49		24.46		98.40		6.56		3.02		1.2			
	30/8/2023	Fine	11:27	4.0	1.0	25.30	25.15	8.05	8.05	31.47	31.46	89.40	89.35	6.19	6.18	4.71	4.65	8.3	7.7		
			11:28	4.0	1.0	25.00		8.04		31.45		89.30		6.17		4.58		7.0			

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 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	2/8/2023	Fine	17:42	3.8	1.0	28.10	28.05	8.36	8.36	29.40	29.41	82.00	82.85	6.02	6.08	3.56	3.59	4.6	4.7
			17:43	3.8	1.0	28.00		8.35		29.41		83.70		6.14		3.62		4.8	
	4/8/2023	Fine	8:08	4.1	1.0	28.40	28.30	8.37	8.36	30.18	30.18	83.90	84.40	6.12	6.16	5.66	5.63	2.9	2.9
			8:09	4.1	1.0	28.20		8.35		30.17		84.90		6.19		5.59		2.8	
	7/8/2023	Fine	10:25	3.8	1.0	27.60	27.70	8.10	8.11	30.76	30.77	89.40	89.35	6.19	6.19	6.80	6.78	7.4	7.2
			10:26	3.8	1.0	27.80		8.11		30.78		89.30		6.18		6.76		7.0	
	9/8/2023	Fine	12:46	4.0	1.0	28.00	28.15	8.25	8.26	30.60	30.60	83.70	83.70	6.24	6.25	4.01	4.00	7.0	7.2
			12:47	4.0	1.0	28.30		8.27		30.59		83.70		6.25		3.99		7.4	
	11/8/2023	Cloudy	16:39	3.6	1.0	27.00	26.95	8.01	8.02	30.13	30.13	83.10	82.55	6.18	6.15	2.49	2.44	2.8	3.0
			16:40	3.6	1.0	26.90		8.02		30.12		82.00		6.12		2.38		3.2	
	14/8/2023	Fine	17:34	3.8	1.0	26.00	26.00	8.30	8.30	30.10	30.10	78.70	79.90	5.89	6.04	2.73	2.71	2.8	3.0
			17:35	3.8	1.0	26.00		8.29		30.09		81.10		6.18		2.68		3.1	
	16/8/2023	Cloudy	17:47	4.3	1.0	27.10	27.05	8.34	8.35	30.53	30.52	84.90	83.50	6.23	6.21	2.27	2.21	3.3	3.2
			17:48	4.3	1.0	27.00		8.35		30.50		82.10		6.19		2.15		3.0	
	18/8/2023	Fine	7:47	3.9	1.0	27.30	27.25	8.32	8.31	30.93	30.93	81.90	82.70	6.14	6.20	2.14	2.12	2.8	2.7
			7:48	3.9	1.0	27.20		8.30		30.92		83.50		6.26		2.09		2.5	
	21/8/2023	Fine	9:04	4.0	1.0	84.00	84.20	8.27	8.29	31.35	31.35	84.40	84.20	6.25	6.23	2.14	2.12	3.1	2.9
			9:05	4.0	1.0	84.00		8.30		31.35		84.00		6.21		2.09		2.7	
	23/8/2023	Fine	10:45	3.9	1.0	28.20	28.30	8.09	8.10	30.86	30.82	82.10	83.50	6.06	6.10	2.18	2.28	1.8	1.9
			10:46	3.9	1.0	28.40		8.11		30.98		84.90		6.14		2.37		1.9	
	25/8/2023	Fine	16:08	3.7	1.0	29.08	29.10	9.02	9.04	26.15	26.39	100.20	99.70	6.66	6.62	2.09	2.13	1.7	1.6
			16:09	3.7	1.0	29.11		9.05		26.62		99.20		6.57		2.17		1.5	
	28/8/2023	Fine	16:55	3.6	1.0	29.49	29.45	9.58	9.56	24.22	24.19	100.00	97.35	6.67	6.50	2.99	3.01	1.7	1.6
			16:56	3.6	1.0	29.41		9.53		24.15		94.70		6.33		3.02		1.5	
	30/8/2023	Fine	17:40	3.6	1.0	25.30	25.35	8.07	8.06	31.46	31.47	84.70	84.75	6.06	6.07	5.54	5.46	7.5	8.2
			17:41	3.6	1.0	25.40		8.04		31.48		84.90		6.08		5.37		8.8	

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 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	2/8/2023	Fine	12:27	2.8	1.4	28.10		8.35		29.51		84.10		6.26		3.64		5.0		4.8	
			12:28	2.8	1.4	28.00		8.34		29.50		83.35		6.16		3.76		4.6			
	4/8/2023	Fine	13:16	2.5	1.3	28.20		8.30		30.13		80.00		6.08		3.26		3.5		3.1	
			13:17	2.5	1.3	28.40		8.39		30.14		80.60		6.17		3.18		2.6			
	7/8/2023	Fine	15:26	2.8	1.4	27.50		8.09		30.78		82.00		6.02		6.37		5.5		5.7	
			15:27	2.8	1.4	27.60		8.10		30.78		82.85		6.14		6.27		5.8			
	9/8/2023	Fine	8:00	2.6	1.3	29.00		8.35		30.30		82.70		6.16		4.12		6.0		6.3	
			8:01	2.5	1.3	29.10		8.34		30.31		81.90		6.12		4.07		6.5			
	11/8/2023	Cloudy	9:28	2.6	1.3	26.70		8.34		29.69		80.20		6.08		2.24		3.0		3.2	
			9:29	2.6	1.3	26.70		8.33		29.70		81.15		6.19		2.36		3.3			
	14/8/2023	Fine	11:19	2.7	1.4	26.00		8.30		29.99		82.70		6.22		2.47		2.6		2.8	
			11:20	2.7	1.4	26.10		8.29		29.96		80.30		6.15		2.36		3.0			
	16/8/2023	Cloudy	12:56	2.9	1.4	27.40		8.39		30.52		81.30		6.06		1.34		4.2		4.0	
			12:57	2.7	1.4	27.20		8.40		30.52		82.90		6.12		1.42		3.8			
	18/8/2023	Fine	12:31	2.9	1.5	27.20		8.28		30.94		83.40		6.20		2.17		3.0		3.1	
			12:32	2.9	1.5	27.30		8.30		30.95		83.40		6.19		2.23		3.2			
	21/8/2023	Fine	14:10	2.7	1.4	27.70		8.29		30.93		83.50		6.26		1.42		2.6		2.4	
			14:11	2.7	1.4	27.60		8.25		30.94		83.00		6.20		1.75		2.1			
	23/8/2023	Fine	15:31	2.8	1.4	27.80		8.11		31.20		84.90		6.24		2.65		1.6		1.6	
			15:32	2.8	1.4	27.60		8.10		31.18		84.70		6.23		2.00		1.6			
	25/8/2023	Fine	8:01	2.5	1.3	29.05		9.04		26.49		99.70		6.62		3.25		<1.0		1.0	
			8:02	2.5	1.3	29.07		9.07		26.25		98.30		6.53		3.02		<1.0			
	28/8/2023	Fine	9:56	2.6	1.3	30.21		9.39		24.89		96.70		6.35		2.90		<1.0		1.0	
			9:57	2.6	1.3	30.11		9.31		25.14		95.70		6.29		3.02		<1.0			
	30/8/2023	Fine	11:36	2.6	1.3	25.00		8.02		31.42		81.30		6.04		7.34		10.2		9.6	
11:37			2.6	1.3	25.10		8.02		31.43		80.80		5.98		7.19		9.0				

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 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			
SR10	2/8/2023	Fine	17:32	2.3	1.2	28.00		8.36		29.50		83.70		6.15		2.49		4.8		4.6		
			17:33	2.3	1.2	28.20		8.37		29.49		84.60		6.24		2.37		4.4				
	4/8/2023	Fine	8:18	2.7	1.4	28.30		8.37		30.15		89.30		6.18		6.37		2.6		2.7		
			8:19	2.7	1.4	28.20		8.36		30.12		89.40		6.19		6.27		2.8				
	7/8/2023	Fine	10:34	2.5	1.3	27.50		8.10		30.81		89.50		6.25		6.74		7.3		7.4		
			10:35	2.5	1.3	27.60		8.11		30.81		89.80		6.29		6.53		7.5				
	9/8/2023	Fine	12:37	2.7	1.4	29.00		8.39		30.38		81.90		6.13		4.49		5.8		6.0		
			12:38	2.7	1.4	28.90		8.38		30.38		83.10		6.18		4.63		6.2				
	11/8/2023	Cloudy	16:30	2.3	1.2	26.90		8.37		30.02		81.30		6.09		6.14		1.98		3.0		3.2
			16:31	2.3	1.2	26.90		8.37		30.04		82.40		6.19		1.83		1.91				
	14/8/2023	Fine	17:25	2.3	1.2	26.20		8.31		30.04		84.10		6.26		6.21		1.50		3.4		3.3
			17:26	2.3	1.2	26.30		8.30		30.02		82.60		6.16		1.31		1.41				
	16/8/2023	Cloudy	17:38	2.4	1.2	27.40		8.40		30.54		81.60		6.12		1.15		2.5		2.4		
			17:39	2.4	1.2	27.40		8.41		30.52		83.60		6.26		1.38		2.2				
	18/8/2023	Fine	7:56	2.6	1.3	27.40		8.31		30.94		82.90		6.19		1.06		2.4		2.4		
			7:57	2.6	1.3	27.40		8.30		30.93		81.30		6.09		1.36		2.4				
	21/8/2023	Fine	9:13	2.4	1.2	84.80		84.50		8.27		30.97		84.80		6.27		1.77		1.84		2.9
			9:14	2.4	1.2	84.20		84.20		8.24		30.98		84.20		6.23		1.90				
	23/8/2023	Fine	10:54	2.5	1.3	27.80		8.10		31.18		84.90		6.14		6.14		3.02		2.96		2.3
			10:55	2.5	1.3	27.60		8.08		31.12		84.70		6.13		2.89		2.4				
	25/8/2023	Fine	15:59	2.3	1.2	29.13		9.25		26.68		92.10		6.10		2.09		1.7		1.7		
			16:00	2.3	1.2	29.12		9.22		26.58		98.70		6.54		2.18		1.7				
	28/8/2023	Fine	16:46	2.2	1.1	30.10		9.33		24.98		95.50		6.29		6.27		2.90		2.96		1.7
			16:47	2.2	1.1	30.14		9.30		24.78		94.70		6.24		3.02		1.7				
	30/8/2023	Fine	17:31	2.2	1.1	25.10		8.03		31.46		84.80		6.21		5.99		6.12		8.9		8.3
17:32			2.2	1.1	25.20		8.01		31.47		84.60		6.19		6.25		7.6					

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) - 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
						<p>2/8/2023 Fine 12:46 8.8 1.0 28.50 28.40 8.40 8.41 29.00 29.01 83.10 83.25 6.20 6.21 2.86 2.82 4.4 4.5 12:47 8.9 1.0 28.30 28.40 8.41 8.41 29.01 29.01 83.40 83.25 6.20 6.21 2.77 2.82 4.6 4.5 4/8/2023 Fine 13:00 8.4 1.0 28.80 28.75 8.44 8.44 30.50 30.50 84.60 83.75 6.21 6.16 1.22 1.24 3.5 3.3 13:01 8.4 1.0 28.70 28.75 8.43 8.44 30.50 30.50 82.90 83.75 6.11 6.16 1.26 1.24 2.8 3.3 7/8/2023 Fine 15:10 8.7 1.0 27.50 27.55 8.11 8.12 30.56 30.57 81.30 81.25 6.06 6.06 2.37 2.40 2.6 2.5 15:11 8.7 1.0 27.60 27.55 8.12 8.12 30.57 30.57 81.20 81.25 6.05 6.05 2.43 2.40 2.4 2.5 9/8/2023 Fine 8:16 8.4 1.0 28.00 28.05 8.24 8.25 30.14 30.15 84.80 84.60 6.24 6.22 1.02 1.10 3.8 3.7 8:17 8.4 1.0 28.10 28.05 8.25 8.25 30.15 30.15 84.40 84.60 6.19 6.19 1.17 1.10 3.5 3.7 11/8/2023 Cloudy 9:43 8.5 1.0 26.90 26.90 8.36 8.37 30.51 30.51 82.30 83.00 6.13 6.15 1.35 1.36 3.8 3.9 9:44 8.5 1.0 26.90 26.90 8.38 8.38 30.50 30.50 83.70 83.00 6.16 6.15 1.36 1.36 4.0 4.0 14/8/2023 Fine 11:36 8.6 1.0 26.20 26.30 8.34 8.35 29.99 29.99 84.60 83.75 6.21 6.15 2.10 2.18 1.8 1.7 11:37 8.6 1.0 26.40 26.30 8.36 8.35 29.99 29.99 82.90 83.75 6.09 6.15 2.25 2.18 1.6 1.7 16/8/2023 Cloudy 13:12 8.7 1.0 26.90 26.95 8.38 8.38 30.88 30.89 84.30 84.60 6.26 6.28 1.80 1.85 2.4 2.3 13:13 8.7 1.0 27.00 26.95 8.37 8.37 30.89 30.89 84.90 84.60 6.30 6.28 1.90 1.85 2.2 2.2 18/8/2023 Fine 12:15 8.9 1.0 27.40 27.35 8.32 8.32 31.35 31.35 84.00 83.10 6.25 6.19 2.18 2.14 6.0 6.1 12:16 8.9 1.0 27.30 27.35 8.31 8.31 31.34 31.35 82.20 83.10 6.12 6.19 2.09 2.14 6.2 6.1 21/8/2023 Fine 13:55 8.9 1.0 27.10 27.05 8.26 8.26 30.89 30.90 84.30 83.50 6.29 6.22 1.79 1.85 3.0 3.0 13:56 8.9 1.0 27.00 27.05 8.25 8.26 30.90 30.90 82.70 83.50 6.14 6.22 1.90 1.85 2.9 3.0 23/8/2023 Fine 15:15 8.7 1.0 26.90 26.90 8.12 8.11 31.12 31.07 89.30 89.00 6.30 6.26 2.19 2.14 3.2 3.1 15:16 8.7 1.0 26.90 26.90 8.10 8.11 31.02 31.07 88.70 89.00 6.21 6.26 2.08 2.14 3.0 3.1 25/8/2023 Fine 8:18 8.5 1.0 29.14 29.16 9.50 9.46 27.01 27.04 95.30 96.30 6.30 6.36 1.62 1.60 1.2 1.3 8:19 8.5 1.0 29.17 29.16 9.41 9.46 27.06 27.04 97.30 96.30 6.42 6.36 1.57 1.60 1.3 1.3 28/8/2023 Fine 10:14 8.6 1.0 28.92 29.40 9.28 9.33 24.85 24.89 93.20 94.45 6.16 6.23 2.27 2.23 1.2 1.3 10:15 8.6 1.0 29.87 29.40 9.38 9.33 24.92 24.89 95.70 94.45 6.29 6.23 2.18 2.23 1.3 1.3 30/8/2023 Fine 11:54 8.6 1.0 26.00 26.05 8.18 8.19 30.01 30.02 89.40 90.35 6.19 6.23 1.53 1.58 2.4 1.8 11:55 8.6 1.0 26.10 26.05 8.19 8.19 30.02 30.02 91.30 90.35 6.27 6.23 1.62 1.58 1.2 1.8</p>															

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
						<p>2/8/2023 Fine 17:15 8.4 1.0 28.10 28.05 8.34 8.33 29.56 29.55 84.90 84.95 6.20 6.21 2.69 2.65 3.8 4.0 17:16 8.4 1.0 28.00 28.05 8.32 8.33 29.54 29.55 85.00 84.95 6.21 6.21 2.61 2.65 4.2 4.0 4/8/2023 Fine 8:36 8.6 1.0 28.40 28.35 8.45 8.44 30.34 30.33 88.20 87.35 6.10 6.12 2.37 2.40 3.2 3.4 8:37 8.6 1.0 28.30 28.35 8.43 8.44 30.32 30.33 86.50 87.35 6.13 6.12 2.43 2.40 3.6 3.4 7/8/2023 Fine 10:52 8.5 1.0 27.60 27.60 8.12 8.12 30.60 30.60 88.40 88.80 6.21 6.19 3.20 3.34 4.0 4.2 10:53 8.5 1.0 27.60 27.60 8.11 8.12 30.59 30.60 89.20 88.80 6.17 6.19 3.47 3.34 4.4 4.2 9/8/2023 Fine 12:22 8.7 1.0 27.70 27.70 8.25 8.25 30.25 30.25 82.10 82.40 6.16 6.18 1.44 1.41 2.6 2.8 12:23 8.7 1.0 27.70 27.70 8.24 8.25 30.25 30.25 82.70 82.40 6.19 6.18 1.37 1.41 3.0 2.8 11/8/2023 Cloudy 16:15 8.3 1.0 26.80 26.80 8.37 8.37 30.77 30.77 81.90 82.80 6.13 6.19 1.44 1.47 4.2 4.5 16:16 8.3 1.0 26.80 26.80 8.37 8.37 30.77 30.77 83.70 82.80 6.24 6.19 1.49 1.47 4.7 4.5 14/8/2023 Fine 17:10 8.2 1.0 26.40 26.35 8.36 8.35 29.93 29.92 82.80 83.55 6.17 6.23 1.42 1.40 5.6 5.4 17:11 8.2 1.0 26.30 26.35 8.34 8.35 29.90 29.92 84.30 83.55 6.28 6.23 1.37 1.40 5.2 5.4 16/8/2023 Cloudy 17:23 8.3 1.0 27.70 27.75 8.34 8.36 31.25 31.26 82.50 81.65 6.16 6.11 1.77 1.68 1.6 1.8 17:24 8.3 1.0 27.80 27.75 8.37 8.36 31.27 31.26 80.80 81.65 6.06 6.11 1.59 1.68 1.9 1.8 18/8/2023 Fine 8:13 8.6 1.0 27.20 27.15 8.30 8.30 31.34 31.34 81.00 80.55 6.12 6.10 1.71 1.65 2.8 2.9 8:14 8.6 1.0 27.10 27.10 8.29 8.29 31.34 31.34 80.10 80.55 6.07 6.07 1.58 1.58 2.9 2.9 21/8/2023 Fine 9:30 8.7 1.0 83.60 83.55 8.26 8.27 30.72 30.73 83.60 83.55 6.27 6.27 3.00 3.01 2.6 2.4 9:31 8.7 1.0 83.50 83.55 8.28 8.28 30.74 30.74 83.50 83.55 6.27 6.27 3.02 3.01 2.1 2.1 23/8/2023 Fine 12:12 8.5 1.0 27.80 27.70 9.12 8.62 31.20 31.18 85.20 84.85 6.24 6.22 2.16 2.12 1.4 1.4 12:13 8.5 1.0 27.60 27.70 8.11 8.62 31.16 31.18 84.50 84.85 6.20 6.22 2.08 2.12 1.4 1.4 25/8/2023 Fine 15:45 8.3 1.0 29.27 29.27 9.16 9.17 26.76 26.61 98.40 98.20 6.50 6.50 2.10 2.00 2.2 2.4 15:46 8.3 1.0 29.28 29.27 9.18 9.17 26.45 26.45 98.00 98.20 6.49 6.50 1.90 2.00 2.5 2.4 28/8/2023 Fine 16:30 8.3 1.0 29.33 29.39 9.34 9.37 24.70 24.64 95.20 94.90 6.35 6.33 2.27 2.23 2.2 2.4 16:31 8.3 1.0 29.44 29.39 9.39 9.37 24.58 24.64 94.60 94.90 6.30 6.33 2.18 2.23 2.5 2.4 30/8/2023 Fine 17:15 8.2 1.0 26.00 26.05 8.28 8.27 30.14 30.13 84.60 84.15 6.20 6.18 1.39 1.83 3.0 2.7 17:16 8.2 1.0 26.10 26.05 8.25 8.27 30.12 30.13 83.70 84.15 6.15 6.18 2.26 2.26 2.4 2.7</p>															

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
						2/8/2023	Fine	11:18	8.7	1.0	27.70	27.75	8.18	8.18	29.57	29.57	81.60	82.50	6.08
			11:19	8.7	1.0	27.80		8.17		29.57		83.40		6.17		2.08		2.6	
			14:24	8.4	1.0	29.00	29.10	8.49	8.48	30.40	30.41	84.80	84.70	6.21	6.20	2.19	2.17	2.6	2.8
			14:25	8.4	1.0	29.20		8.46		30.41		84.60		6.19		2.14		2.9	
7/8/2023	Fine	16:30	8.5	1.0	27.20	27.10	8.18	8.17	30.77	30.77	84.00	83.95	6.15	6.14	1.36	1.42	2.6	2.5	
			16:31	8.5	1.0	27.00		8.16		30.76		83.90		6.12		1.48		2.4	
9/8/2023	Fine	6:50	8.2	1.0	27.60	27.55	8.00	8.01	30.58	30.57	82.10	81.80	6.17	6.14	2.66	2.63	2.7	2.9	
			6:51	8.2	1.0	27.50		8.01		30.56		81.50		6.11		2.59		3.1	
11/8/2023	Cloudy	8:18	8.5	1.0	27.00	26.95	8.01	8.02	31.23	31.24	83.30	83.80	6.19	6.24	2.03	2.10	3.8	3.9	
			8:19	8.5	1.0	26.90		8.03		31.24		84.30		6.28		2.17		4.0	
14/8/2023	Fine	10:08	8.6	1.0	26.20	26.10	8.02	8.03	29.89	29.94	85.90	85.45	6.23	6.21	1.49	1.52	2.8	3.0	
			10:09	8.6	1.0	26.00		8.03		29.99		85.00		6.18		1.54		3.2	
16/8/2023	Cloudy	11:46	8.8	1.0	27.00	27.05	8.07	8.08	29.95	29.96	84.20	84.50	6.23	6.25	0.90	0.89	1.6	1.7	
			11:47	8.8	1.0	27.10		8.08		29.97		84.80		6.27		0.88		1.8	
			13:37	8.8	1.0	27.40	27.45	8.14	8.14	30.99	30.99	83.30	83.80	6.19	6.24	1.34	1.29	6.0	6.2
			13:38	8.8	1.0	27.50		8.14		30.98		84.30		6.28		1.24		6.4	
21/8/2023	Fine	15:16	8.8	1.0	27.40	27.45	7.93	7.87	31.50	31.51	83.00	83.15	6.26	6.24	1.98	2.04	3.3	3.2	
			15:17	8.8	1.0	27.50		7.90		31.51		83.30		6.21		2.09		3.0	
23/8/2023	Fine	16:37	8.7	1.0	28.30	28.15	8.18	8.17	30.41	30.41	81.60	82.60	6.12	6.19	1.34	1.33	2.8	2.7	
			16:38	8.7	1.0	28.00		8.16		30.40		83.60		6.26		1.32		2.6	
25/8/2023	Fine	6:52	8.5	1.0	28.72	28.68	7.71	7.65	28.66	28.52	111.70	112.35	7.36	7.42	1.02	1.10	1.4	1.5	
			6:53	8.5	1.0	28.64		7.59		28.37		113.00		7.48		1.17		1.6	
28/8/2023	Fine	8:45	8.7	1.0	29.48	29.40	9.02	8.73	24.93	25.00	100.90	104.00	6.72	6.88	1.82	1.91	1.4	1.5	
			8:46	8.7	1.0	29.32		8.43		25.06		107.10		7.03		1.99		1.6	
30/8/2023	Fine	10:25	8.8	1.0	25.70	25.75	8.06	8.05	30.54	30.55	82.10	81.40	6.19	6.12	2.00	1.98	2.4	3.1	
			10:26	8.8	1.0	25.80		8.04		30.55		80.70		6.04		1.96		3.8	

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 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
						2/8/2023	Fine	18:41	8.1	1.0	28.20	28.10	8.36	8.36	29.53	29.54	82.00	81.15	6.20
			18:42	8.1	1.0	28.00		8.35		29.54		80.30		6.02		2.83		3.8	
4/8/2023	Fine	7:07	8.5	1.0	28.10	28.05	8.01	8.01	30.46	30.47	88.70	89.00	6.13	6.16	1.36	1.42	2.5	2.8	
			7:08	8.5	1.0	28.00		8.00		30.46		89.30		6.18		1.48		3.0	
			9:25	8.2	1.0	27.20	27.10	8.01	8.01	30.60	30.60	89.20	89.85	6.03	6.07	4.45	4.44	3.8	4.0
			9:26	8.2	1.0	27.00		8.00		30.59		81.50		6.11		4.42		4.2	
9/8/2023	Fine	13:41	8.5	1.0	28.00	28.10	8.29	8.29	29.85	29.86	83.10	82.55	6.18	6.15	1.59	1.63	2.6	2.7	
			13:42	8.5	1.0	28.20		8.28		29.86		82.00		6.12		1.67		2.8	
			17:35	8.2	1.0	26.70	26.75	8.37	8.36	30.46	30.46	84.80	83.95	6.21	6.20	1.23	1.22	1.6	1.5
			17:36	8.2	1.0	26.80		8.35		30.45		83.10		6.18		1.20		1.4	
14/8/2023	Fine	18:29	8.2	1.0	26.20	26.10	8.33	8.33	29.99	29.99	80.80	80.50	6.19	6.17	1.77	1.75	5.6	5.4	
			18:30	8.2	1.0	26.00		8.32		29.98		80.20		6.15		1.73		5.2	
16/8/2023	Cloudy	18:44	8.3	1.0	28.20	28.10	8.58	8.58	30.48	30.47	81.10	80.95	6.18	6.17	1.28	1.33	2.2	2.2	
			18:44	8.3	1.0	28.00		8.58		30.45		80.80		6.15		1.37		2.1	
18/8/2023	Fine	6:48	8.5	1.0	26.80	26.75	8.34	8.33	31.23	31.23	84.80	84.70	6.21	6.20	1.60	1.53	2.1	2.3	
			6:49	8.5	1.0	26.70		8.32		31.22		84.60		6.19		1.45		2.4	
21/8/2023	Fine	8:03	8.4	1.0	26.90	26.95	8.21	8.22	31.21	31.23	83.70	83.30	6.24	6.22	1.72	1.73	3.2	2.6	
			8:04	8.4	1.0	27.00		8.22		31.24		82.90		6.19		1.74		3.0	
23/8/2023	Fine	9:43	8.2	1.0	27.50	27.45	8.01	8.02	30.98	30.97	87.90	87.90	6.02	6.03	1.62	1.76	1.8	1.9	
			9:44	8.2	1.0	27.40		8.03		30.96		88.00		6.04		1.89		2.0	
25/8/2023	Fine	17:05	8.2	1.0	28.77	28.76	9.22	9.22	27.89	28.07	98.50	98.00	6.52	6.48	1.25	1.10	1.8	1.9	
			17:06	8.2	1.0	28.74		9.22		28.24		97.50		6.44		0.95		1.9	
28/8/2023	Fine	17:52	8.2	1.0	30.20	30.16	9.86	9.87	23.64	23.62	102.50	100.25	6.78	6.64	1.82	1.91	1.8	1.9	
			17:53	8.2	1.0	30.12		9.87		23.59		98.00		6.50		1.99		1.9	
30/8/2023	Fine	18:39	8.1	1.0	26.80	26.85	8.29	8.29	30.20	30.19	84.80	84.70	6.17	6.17	1.71	1.69	2.4	2.6	
			18:40	8.1	1.0	26.90		8.29		30.18		84.60		6.16		1.67		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 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
						2/8/2023	Fine	11:22	8.7	4.4	27.50	27.45	8.18	8.18	29.94	29.95	83.90	83.20	6.24	6.18	2.36
11:23	8.7	4.4	27.40		8.17			29.95		82.50		6.12		2.27		2.2					
4/8/2023	Fine	14:28	8.4	4.2	28.10	28.15	8.46	8.46	30.46	30.45	83.90	83.95	6.12	6.14	2.44	2.47	4.4	4.5			
		14:29	8.4	4.2	28.20		8.45		30.45		84.00		6.15		2.50		4.5				
7/8/2023	Fine	16:34	8.5	4.3	27.00	26.95	8.15	8.15	31.00	31.16	84.60	84.70	6.19	6.20	1.57	1.49	2.9	3.0			
		16:35	8.5	4.3	26.90		8.15		31.32		84.80		6.21		1.40		3.1				
9/8/2023	Fine	6:54	8.2	4.1	27.60	27.55	8.03	8.03	30.70	30.70	82.70	82.40	6.21	6.18	2.37	2.35	3.3	3.5			
		6:55	8.2	4.1	27.50		8.03		30.70		82.10		6.15		2.33		3.6				
11/8/2023	Cloudy	8:22	8.5	4.3	26.30	26.25	7.98	7.99	32.46	32.46	81.70	82.10	6.07	6.10	2.16	2.15	3.7	3.8			
		8:23	8.5	4.3	26.20		7.99		32.45		82.50		6.12		2.14		3.9				
14/8/2023	Fine	10:12	8.6	4.3	26.00	26.05	8.08	8.08	29.97	29.97	89.50	89.85	6.20	6.24	1.61	1.59	2.5	2.9			
		10:13	8.6	4.3	26.10		8.08		29.96		90.20		6.28		1.57		3.3				
16/8/2023	Cloudy	11:50	8.8	4.4	27.00	26.95	8.13	8.14	30.13	30.13	83.20	84.00	6.14	6.18	1.05	1.04	2.4	2.3			
		11:51	8.8	4.4	26.90		8.14		30.13		84.80		6.21		1.03		2.1				
18/8/2023	Fine	13:41	8.8	4.4	27.30	27.30	8.15	8.16	31.06	31.06	81.70	82.10	6.07	6.10	1.58	1.68	4.9	4.8			
		13:42	8.8	4.4	27.30		8.16		31.05		82.50		6.12		1.78		4.6				
21/8/2023	Fine	15:20	8.8	4.4	27.40	27.30	8.01	8.01	31.62	31.63	82.70	83.00	6.15	6.19	2.08	2.13	3.3	3.3			
		15:21	8.8	4.4	27.20		7.94		31.63		83.30		6.23		2.17		3.2				
23/8/2023	Fine	16:41	8.7	4.4	27.50	27.55	8.16	8.16	31.12	31.13	82.30	82.95	6.13	6.20	1.28	1.31	3.0	3.2			
		16:42	8.7	4.4	27.60		8.16		31.14		83.60		6.26		1.33		3.4				
25/8/2023	Fine	6:56	8.5	4.3	28.55	28.52	7.77	7.82	28.70	28.79	108.00	110.70	7.14	7.32	1.45	1.37	2.3	2.5			
		6:57	8.5	4.3	28.49		7.87		28.87		113.40		7.50		1.28		2.6				
28/8/2023	Fine	8:49	8.7	4.4	29.23	29.17	8.49	8.61	25.88	25.93	103.10	100.60	6.85	6.69	2.62	2.61	2.3	2.5			
		8:50	8.7	4.4	29.11		8.73		25.98		98.10		6.53		2.59		2.6				
30/8/2023	Fine	10:29	8.8	4.4	25.80	25.70	8.07	8.07	30.54	30.53	84.70	84.80	6.24	6.25	2.26	2.20	2.8	3.5			
		10:30	8.8	4.4	25.60		8.07		30.52		84.90		6.25		2.14		4.1				

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 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
						2/8/2023	Fine	18:45	8.1	4.1	28.20	28.10	8.36	8.37	29.64	29.65	81.20	80.60	6.17	6.13	2.36
18:46	8.1	4.1	28.00		8.37			29.65		80.00		6.08		2.27		4.8					
4/8/2023	Fine	7:11	8.5	4.3	28.10	28.10	8.12	8.13	30.37	30.37	91.30	90.35	6.27	6.23	1.57	1.49	2.9	3.2			
		9:29	8.2	4.1	27.00		8.14		30.60		89.40		6.19		1.40		3.5				
7/8/2023	Fine	9:29	8.2	4.1	27.00	27.05	8.03	8.03	30.60	30.60	88.70	89.00	6.23	6.26	1.40	4.33	4.5	4.7			
		9:30	8.2	4.1	27.10		8.03		30.60		89.30		6.28		4.37		4.9				
9/8/2023	Fine	13:45	8.5	4.3	27.80	27.80	8.24	8.24	30.68	30.68	83.30	82.95	6.22	6.19	2.18	2.13	4.3	4.4			
		13:46	8.5	4.3	27.80		8.24		30.67		82.60		6.16		2.08		4.4				
11/8/2023	Cloudy	17:39	8.2	4.1	26.80	26.80	8.37	8.37	30.55	30.56	82.80	83.05	6.12	6.15	1.20	1.22	1.9	1.9			
		17:40	8.2	4.1	26.80		8.37		30.57		83.30		6.18		1.23		1.8				
14/8/2023	Fine	18:33	8.2	4.1	26.10	26.15	8.31	8.32	30.17	30.18	83.60	84.05	6.20	6.24	1.62	1.61	4.2	4.4			
		18:34	8.2	4.1	26.20		8.32		30.18		84.50		6.28		1.62		4.6				
16/8/2023	Cloudy	18:48	8.3	4.2	27.40	27.35	8.54	8.55	30.80	30.81	80.60	80.30	6.11	6.09	2.39	2.44	2.4	2.5			
		18:49	8.3	4.2	27.30		8.55		30.81		80.00		6.06		2.48		2.6				
18/8/2023	Fine	6:52	8.5	4.3	26.80	26.75	8.36	8.37	31.45	31.47	84.90	84.95	6.20	6.21	1.36	1.39	3.0	2.9			
		6:53	8.5	4.3	26.70		8.38		31.48		85.00		6.22		1.42		2.7				
21/8/2023	Fine	8:07	8.4	4.2	26.80	26.80	8.19	8.20	31.35	31.34	82.00	82.55	6.12	6.15	2.36	2.42	2.6	2.6			
		8:08	8.4	4.2	26.80		8.20		31.33		83.10		6.18		2.47		2.5				
23/8/2023	Fine	9:47	8.2	4.1	27.30	27.30	8.02	8.03	31.15	31.16	88.60	88.40	6.13	6.12	2.36	2.29	2.2	2.2			
		9:48	8.2	4.1	27.30		8.03		31.17		88.20		6.10		2.31		2.1				
25/8/2023	Fine	17:09	8.2	4.1	28.54	28.53	9.36	9.34	28.64	28.41	91.70	93.80	6.06	6.22	1.29	1.83	2.2	2.3			
		17:10	8.2	4.1	28.51		9.32		28.17		95.90		6.37		2.37		2.4				
28/8/2023	Fine	17:56	8.2	4.1	29.85	29.81	9.93	9.89	25.89	26.14	100.30	99.90	6.55	6.54	2.62	2.61	2.2	2.2			
		17:57	8.2	4.1	29.76		9.84		26.39		99.50		6.53		2.59		2.1				
30/8/2023	Fine	18:43	8.1	4.1	26.00	26.05	8.18	8.19	30.97	30.98	82.90	83.30	6.04	6.09	2.05	2.08	3.0	2.6			
		18:44	8.1	4.1	26.10		8.20		30.99		83.70		6.14		2.10		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 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
						WQM was cancelled due to adverse weather															
SR4	1/9/2023	Typhoon Signal no. 8	WQM was cancelled due to adverse weather																		
	4/9/2023	Cloudy	15:06	3.7	1.0	24.60	24.65	8.02	8.03	33.96	33.97	89.30	88.05	6.09	6.06	3.39	3.34	4.9	4.8		
			15:07	3.7	1.0	24.70		8.04		33.97		87.80		6.02		3.28		4.6			
			16:51	3.6	1.0	24.8	24.70	8.01	8.02	33.65	33.65	83.30	82.95	6.19	6.16	2.47	2.54	2.4	2.5		
			16:52	3.6	1.0	24.70		8.02		33.65		82.60		6.13		2.60		2.6			
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																		
	11/9/2023	Cloudy	9:55	5.4	1.0	25.90	25.45	7.92	7.92	31.44	31.45	80.20	80.35	6.18	6.19	7.05	7.00	5.3	5.2		
			9:56	5.4	1.0	25.00		7.91		31.46		80.50		6.20		6.95		5.0			
			11:21	3.8	1.0	25.50	25.60	7.98	7.98	30.20	30.23	83.74	83.37	6.25	6.23	2.22	2.36	3.3	3.5		
			11:22	3.8	1.0	25.70		7.98		30.25		83.00		6.20		2.50		3.7			
	15/9/2023	Fine	12:12	3.5	1.0	25.60	25.65	8.09	8.09	31.31	31.31	83.50	83.60	6.22	6.24	2.19	2.15	2.8	2.8		
			12:13	3.5	1.0	25.70		8.09		31.30		83.70		6.25		2.10		2.7			
	18/9/2023	Fine	13:59	3.8	1.0	26.60	26.70	8.28	8.29	31.19	30.70	80.20	80.70	6.05	6.08	1.78	1.83	3.4	3.3		
			14:00	3.8	1.0	26.80		8.30		30.21		81.20		6.11		1.87		3.2			
			15:04	3.8	1.0	27.20	27.25	8.36	8.35	27.94	27.96	82.60	81.95	6.16	6.13	1.63	1.68	5.0	4.9		
			15:05	3.8	1.0	27.30		8.34		27.98		81.30		6.09		1.73		4.7			
	22/9/2023	Fine	7:15	3.1	1.0	27.40	27.35	8.24	8.23	29.21	29.20	84.50	84.55	6.25	6.26	2.75	2.70	4.7	4.6		
			7:16	3.1	1.0	27.30		8.22		29.19		84.60		6.26		2.65		4.4			
	25/9/2023	Fine	8:31	3.5	1.0	27.60	27.60	8.42	8.43	28.60	28.60	82.90	83.85	6.20	6.24	0.28	0.34	4.0	3.8		
			8:32	3.5	1.0	27.60		8.44		28.59		84.80		6.27		0.39		3.6			
27/9/2023	Fine	10:10	3.8	1.0	27.20	27.30	8.09	8.10	31.00	31.01	83.10	82.55	6.16	6.13	6.15	6.25	4.6	4.9			
		10:11	3.8	1.0	27.40		8.10		31.02		82.00		6.10		6.34		5.1				
29/9/2023	Fine	11:22	3.8	1.0	26.80	26.90	8.19	8.19	32.00	32.01	83.30	83.50	6.23	6.24	6.25	6.31	4.2	4.4			
		11:23	3.8	1.0	27.00		8.18		32.02		83.70		6.25		6.37		4.5				

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 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	
						WQM was cancelled due to adverse weather														
SR4	1/9/2023	Typhoon Signal no. 8	WQM was cancelled due to adverse weather																	
	4/9/2023	Cloudy	8:49	3.2	1.0	24.20	24.20	8.02	8.01	33.92	33.93	82.90	83.10	6.19	6.20	6.87	6.75	5.0	5.3	
			8:50	3.2	1.0	24.20		8.00		33.94		83.30		6.21		6.62		5.5		
	6/9/2023	Cloudy	10:48	3.3	1.0	24.80	24.80	7.96	7.97	33.54	33.55	83.80	82.45	6.27	6.21	2.39	2.47	2.6	2.5	
			10:49	3.3	1.0	24.80		7.97		33.55		81.10		6.14		2.54		2.4		
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																	
	11/9/2023	Cloudy	15:49	3.1	1.0	24.90	24.90	8.02	8.02	29.94	29.95	81.70	81.00	6.22	6.19	2.57	2.60	2.2	2.2	
			15:50	3.1	1.0	24.90		8.02		29.95		80.30		6.15		2.62		2.1		
	13/9/2023	Fine	18:24	3.2	1.0	25.70	25.75	8.05	8.05	30.53	30.53	83.30	83.85	6.13	6.16	2.14	2.12	4.4	4.3	
			18:25	3.2	1.0	25.80		8.04		30.52		84.40		6.19		2.09		4.1		
	15/9/2023	Fine	18:09	3.2	1.0	25.80	25.80	8.17	8.18	31.20	31.20	83.70	83.40	6.24	6.21	2.01	2.13	3.0	3.2	
			18:10	3.2	1.0	25.80		8.18		31.20		83.10		6.18		2.25		3.4		
	18/9/2023	Fine	8:01	3.3	1.0	26.10	26.10	8.15	8.15	31.19	30.70	89.20	88.80	6.17	6.15	1.97	2.01	3.1	1.6	
			8:02	3.3	1.0	26.10		8.15		30.21		88.40		6.12		2.05		3.1		
	20/9/2023	Fine	9:10	3.5	1.0	27.00	27.10	1.95	1.86	28.37	28.37	83.90	83.60	6.20	6.18	1.95	1.86	4.6	4.8	
			9:11	3.5	1.0	27.20		1.77		28.37		83.30		6.15		1.77		5.0		
	22/9/2023	Fine	16:39	3.6	1.0	27.60	27.65	8.43	8.44	27.05	27.04	85.10	84.95	6.13	6.12	1.10	1.19	2.9	2.8	
			16:40	3.6	1.0	27.70		8.44		27.02		84.80		6.11		1.28		2.6		
	25/9/2023	Fine	16:59	3.2	1.0	27.80	27.80	8.37	8.37	28.84	28.84	89.50	89.05	6.25	6.19	1.63	1.51	1.4	1.3	
			17:00	3.2	1.0	27.80		8.37		28.83		88.60		6.13		1.39		1.2		
27/9/2023	Fine	17:43	3.3	1.0	27.30	27.40	8.18	8.17	30.86	30.86	84.30	84.00	6.20	6.18	4.98	5.01	3.8	3.7		
		17:44	3.3	1.0	27.50		8.16		30.85		83.70		6.16		5.03		3.5			
29/9/2023	Fine	18:37	3.2	1.0	27.90	27.85	8.20	8.20	31.56	31.57	84.10	83.95	6.22	6.21	5.81	5.74	5.3	5.1		
		18:38	3.2	1.0	27.80		8.20		31.57		83.80		6.19		5.67		4.9			

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 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	1/9/2023	Typhoon Signal no. 8	WQM was cancelled due to adverse weather																		
	4/9/2023	Cloudy	15:08	3.7	2.7	24.40	24.50	8.02	8.04	34.07	34.06	89.50	89.80	6.17	6.20	4.96	5.10	3.6	3.7		
			15:09	3.7	2.7	24.60	8.05	34.05	90.10	6.22	5.23	3.8									
	6/9/2023	Cloudy	16:53	3.6	2.6	24.60	24.60	8.00	8.00	33.77	33.76	83.40	82.80	6.20	6.16	3.55	3.39	1.8	1.8		
			16:54	3.6	2.6	24.60	8.00	33.75	82.20	6.12	3.23	1.7									
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																		
	11/9/2023	Cloudy	9:59	5.4	4.4	25.10	25.05	7.93	7.94	31.54	31.55	84.90	83.50	6.28	6.22	6.58	6.62	4.8	4.8		
			10:00	5.4	4.4	25.00	7.95	31.55	82.10	6.16	6.65	4.8									
	13/9/2023	Fine	11:23	3.8	2.8	25.70	25.55	7.97	7.98	30.57	30.56	83.00	82.60	6.20	6.17	1.88	1.94	2.5	2.7		
			11:24	3.8	2.8	25.40	7.98	30.55	82.20	6.13	2.00	2.8									
	15/9/2023	Fine	12:14	3.8	2.5	25.60	25.60	8.07	8.09	31.25	31.25	82.00	81.95	6.12	6.12	1.99	2.04	3.3	3.2		
			12:15	3.5	2.5	25.60	8.10	31.24	81.90	6.11	2.08	3.0									
	18/9/2023	Fine	14:01	3.8	2.8	26.70	26.70	8.27	8.27	30.18	30.18	79.20	79.35	5.98	5.99	2.75	2.83	4.0	3.9		
			14:02	3.8	2.8	26.70	8.27	30.18	79.50	6.00	2.90	3.7									
	20/9/2023	Fine	15:06	3.8	2.8	27.00	27.15	8.34	8.33	27.79	27.80	82.10	82.90	6.19	6.22	2.23	2.13	4.1	3.9		
			15:07	3.8	2.8	27.30	8.31	27.81	83.70	6.25	2.02	3.7									
	22/9/2023	Fine	7:17	3.1	2.1	27.30	27.35	8.26	8.26	28.96	28.95	81.00	81.10	6.04	6.05	2.14	2.27	5.7	5.6		
			7:18	3.1	2.1	27.40	8.26	28.94	81.20	6.05	2.39	5.4									
	25/9/2023	Fine	8:33	3.5	2.5	27.70	27.65	8.43	8.43	28.78	28.79	84.80	84.65	6.27	6.25	1.45	1.37	2.1	2.3		
			8:34	3.5	2.5	27.60	8.43	28.80	84.50	6.23	1.29	2.4									
27/9/2023	Fine	10:12	3.8	2.8	27.30	27.35	8.10	8.10	31.00	31.01	84.30	83.65	6.21	6.18	7.90	7.78	6.3	6.6			
		10:13	3.8	2.8	27.40	8.10	31.01	83.00	6.14	7.65	6.8										
29/9/2023	Fine	11:24	3.8	2.8	27.10	27.05	8.20	8.20	31.68	31.67	83.10	82.55	6.18	6.16	4.96	4.92	5.3	5.1			
		11:25	3.8	2.8	27.00	8.20	31.65	82.00	6.13	4.87	4.9										

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 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
						WQM was cancelled due to adverse weather													
SR4	1/9/2023	Typhoon Signal no. 8	WQM was cancelled due to adverse weather																
	4/9/2023	Cloudy	8:51	3.2	2.2	24.50	24.45	8.00	8.01	34.26	34.27	81.20	81.35	6.17	6.18	7.93	8.01	3.6	3.2
			8:52	3.2	2.2	24.40	8.02	34.27	81.50	6.19	8.08	2.7							
	6/9/2023	Cloudy	10:50	3.3	2.3	24.90	24.85	7.98	7.98	33.57	33.57	82.50	81.65	6.16	6.11	1.77	1.88	1.6	1.4
			10:51	3.3	2.3	24.80	7.98	33.57	80.80	6.06	1.98	1.2							
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																
	11/9/2023	Cloudy	15:51	3.1	2.1	25.10	25.05	8.00	8.01	30.75	30.74	81.30	81.25	6.19	6.18	6.98	7.13	7.7	7.9
			15:52	3.1	2.1	25.00	8.02	30.70	81.20	6.17	7.28	8.0							
	13/9/2023	Fine	18:26	3.2	2.2	25.70	25.65	8.04	8.05	30.70	30.71	83.00	82.85	6.17	6.17	2.07	1.96	3.6	3.4
			18:27	3.2	2.2	25.60	8.05	30.71	82.70	6.16	1.84	3.2							
	15/9/2023	Fine	18:11	3.2	2.2	25.70	25.65	8.16	8.15	31.36	31.37	82.00	81.80	6.12	6.11	2.21	2.16	4.0	4.2
			18:12	3.2	2.2	25.60	8.14	31.38	81.60	6.09	2.10	4.4							
	18/9/2023	Fine	8:03	3.3	2.3	26.20	26.15	8.15	8.16	30.18	30.18	88.70	88.25	6.13	6.08	2.12	2.06	2.5	2.6
			8:04	3.3	2.3	26.10	8.16	30.18	87.80	6.02	2.00	2.7							
	20/9/2023	Fine	9:12	3.5	2.5	27.10	27.20	1.34	1.39	28.39	28.40	81.20	80.75	6.06	6.02	1.34	1.39	4.1	4.0
			9:13	3.5	2.5	27.30	1.43	28.41	80.30	5.97	1.43	3.8							
	22/9/2023	Fine	16:41	3.6	2.6	27.60	27.70	8.42	8.42	26.82	26.81	85.10	85.20	6.12	6.13	1.97	1.85	3.1	3.3
			16:42	3.6	2.6	27.80	8.41	26.80	85.30	6.13	1.72	3.5							
	25/9/2023	Fine	17:01	3.2	2.2	27.80	27.85	8.40	8.39	28.78	28.79	88.60	88.40	6.13	6.12	1.28	1.33	4.3	4.1
			17:02	3.2	2.2	27.90	8.38	28.80	88.20	6.10	1.37	3.8							
27/9/2023	Fine	17:45	3.3	2.3	27.30	27.30	8.18	8.19	30.92	30.91	82.30	83.10	6.18	6.21	3.45	3.41	5.4	5.6	
		17:46	3.3	2.3	27.30	8.20	30.90	83.90	6.24	3.36	5.8								
29/9/2023	Fine	18:39	3.2	2.2	27.60	27.60	8.20	8.20	31.55	31.55	83.10	82.65	6.17	6.14	4.83	4.78	3.8	4.0	
		18:40	3.2	2.2	27.60	8.19	31.55	82.20	6.10	4.72	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 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	1/9/2023	Typhoon Signal no. 8	WQM was cancelled due to adverse weather																		
	4/9/2023	Cloudy	14:57	4.2	1.0	24.50	24.60	8.05	8.05	33.95	33.96	80.20	80.35	6.18	6.19	3.36	3.30	3.4	4.3		
	6/9/2023	Cloudy	14:58	4.2	1.0	24.70	24.70	8.05	8.02	33.97	33.72	80.50	82.50	6.20	6.14	3.29	2.76	5.2	1.7		
			16:42	4.1	1.0	24.70		8.03		33.70		81.60		6.08		2.58		1.4			
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																		
			11/9/2023	Cloudy	10:08	4.0	1.0	25.10	25.05	7.94	7.94	31.72	31.71	79.40	79.95	5.89	5.96	5.29	5.30	5.2	5.5
	13/9/2023	Fine	10:09	4.0	1.0	25.00	26.10	7.94	8.01	31.69	30.41	80.50	81.95	6.02	6.15	5.31	2.28	5.7	4.0	3.9	
			11:33	5.0	1.0	26.60		8.00		30.41		81.90		6.14		2.19		3.7			
	15/9/2023	Fine	11:34	5.0	1.0	25.60	25.80	8.01	8.45	30.41	30.55	82.00	82.50	6.15	6.17	2.36	2.29	3.7	2.8	2.7	
			12:24	4.2	1.0	25.80		8.09		30.56		83.00		6.20		2.31		2.5			
	18/9/2023	Fine	12:25	3.9	1.0	25.80	26.55	8.80	8.26	30.54	30.18	82.00	85.85	6.13	6.20	2.27	1.87	2.29	3.2	3.4	
			13:51	4.2	1.0	26.40		8.27		30.16		86.10		6.22		1.84		3.5			
	20/9/2023	Fine	13:52	4.2	1.0	26.70	27.15	8.24	8.33	30.20	28.07	85.60	81.90	6.18	6.17	1.81	2.07	4.2	4.4	4.6	
			14:56	4.1	1.0	27.00		8.35		28.09		81.10		6.12		2.10		4.4			
	22/9/2023	Fine	14:57	4.1	1.0	27.30	28.15	8.30	8.34	28.09	27.32	82.70	87.60	6.21	6.17	2.10	1.82	4.4	2.6	2.5	
			7:27	3.6	1.0	28.00		8.33		27.32		87.40		6.15		1.64		1.73			2.4
	25/9/2023	Fine	7:28	3.6	1.0	28.30	27.55	8.35	8.39	27.34	28.77	87.80	84.20	6.18	6.21	1.64	0.88	1.73	1.2	1.3	
			8:44	4.2	1.0	27.50		8.40		28.80		84.40		6.22		1.07		0.98			
	27/9/2023	Fine	8:45	4.2	1.0	27.60	27.40	8.37	8.09	28.77	30.71	84.00	82.05	6.20	6.14	0.88	3.73	1.4	2.6	2.8	
			10:23	4.2	1.0	27.40		8.10		30.71		81.90		6.12		3.73					
29/9/2023	Fine	10:24	4.2	1.0	27.40	27.20	8.08	8.19	30.70	31.65	82.20	83.50	6.16	6.23	3.85	4.55	2.9	5.4	5.2		
		11:35	4.2	1.0	27.20		8.18		31.66		83.30		6.21		4.47						
			11:36	4.2	1.0	27.20	27.20	8.19	8.19	31.64	31.65	83.70	83.50	6.24	6.23	4.39	4.47	5.0	5.0		

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	
						WQM was cancelled due to adverse weather														
SR5	1/9/2023	Typhoon Signal no. 8	WQM was cancelled due to adverse weather																	
	4/9/2023	Cloudy	9:01	3.8	1.0	24.30	24.40	8.04	8.03	33.74	33.73	80.30	80.60	6.15	6.19	5.37	5.31	4.3	4.7	
	6/9/2023	Cloudy	9:02	3.8	1.0	24.50	24.80	8.01	7.99	33.72	33.56	80.90	82.55	6.22	6.16	5.24	1.90	5.1	1.6	1.8
			11:01	3.8	1.0	24.70		7.99		33.58		83.20		6.21		2.05		1.9		
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																	
			11/9/2023	Cloudy	15:41	3.7	1.0	25.00	25.00	7.98	7.99	30.05	30.04	88.00	87.70	6.18	6.17	2.96	3.02	3.2
	13/9/2023	Fine	15:42	3.7	1.0	25.00	25.75	8.00	8.05	30.02	30.45	87.40	84.05	6.15	6.24	3.07	1.95	2.9	2.7	2.9
			18:17	4.6	1.0	25.70		8.05		30.46		84.20		6.25		2.01		3.0		
	15/9/2023	Fine	18:18	4.6	1.0	25.80	25.85	8.05	8.20	30.44	30.41	83.90	83.00	6.22	6.18	1.89	2.15	3.0	2.6	2.8
			18:01	3.5	1.0	25.90		8.20		30.40		83.10		6.18		2.30		2.6		
	18/9/2023	Fine	18:02	3.5	1.0	25.80	26.75	8.19	8.20	30.41	30.18	82.90	89.25	6.17	6.20	1.99	1.21	2.6	2.2	2.4
			8:13	3.8	1.0	26.90		8.20		30.16		88.80		6.17		1.32		2.2		
	20/9/2023	Fine	8:14	3.8	1.0	26.70	27.35	8.19	1.57	30.20	28.26	89.70	82.40	6.23	6.18	1.10	1.58	2.5	3.3	3.5
			9:23	3.7	1.0	27.30		1.42		28.25		82.10		6.16		1.42		3.7		
	22/9/2023	Fine	9:23	3.7	1.0	27.30	28.20	1.42	8.42	28.25	27.20	82.70	88.05	6.19	6.14	1.74	1.61	1.58	3.8	3.6
			16:31	3.8	1.0	28.30		8.41		27.21		89.10		6.18		1.61		3.4		
	25/9/2023	Fine	16:32	3.8	1.0	28.10	27.70	8.43	8.40	27.19	28.72	87.00	87.20	6.09	6.18	1.84	0.97	3.4	4.2	4.0
			16:51	3.8	1.0	27.70		8.40		28.72		86.50		6.13		0.87		4.0		
	27/9/2023	Fine	16:52	3.8	1.0	27.70	27.45	8.39	8.17	28.72	30.76	87.90	82.10	6.23	6.16	0.76	4.81	3.8	4.5	4.4
			17:34	3.7	1.0	27.50		8.17		30.76		81.90		6.14		4.87				
29/9/2023	Fine	17:35	3.7	1.0	27.40	27.70	8.17	8.21	30.75	31.57	82.30	84.45	6.17	6.24	4.93	5.60	4.2	3.6	3.8	
		18:29	3.6	1.0	27.70		8.21		31.56		85.10		6.27		5.53					
			18:30	3.6	1.0	27.70	27.70	8.20	8.21	31.57	31.57	83.80	84.45	6.22	6.24	5.67	5.60	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 (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	1/9/2023	Typhoon Signal no. 8	WQM was cancelled due to adverse weather																		
	4/9/2023	Cloudy	15:00	4.2	3.2	24.50	24.55	8.04	8.03	34.02	34.01	79.40	79.80	6.05	6.08	5.05	5.01	2.8	3.4		
			15:01	4.2	3.2	24.60		8.02		34.00		80.20		6.10		4.97		4.0			
	6/9/2023	Cloudy	16:45	4.1	3.1	24.50	24.55	8.02	8.02	33.81	33.80	83.60	84.05	6.20	6.24	2.72	2.79	2.4	2.6		
			16:46	4.1	3.1	24.60		8.01		33.79		84.50		6.28		2.86		2.7			
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																		
	11/9/2023	Cloudy	10:11	4.0	3.0	25.00	24.95	7.95	7.95	32.68	32.69	80.20	80.35	6.01	6.02	4.80	4.80	6.8	6.7		
			10:12	4.0	3.0	24.90		7.95		32.70		80.50		6.03		4.72		6.6			
	13/9/2023	Fine	11:37	5.0	4.0	25.40	25.45	8.00	8.01	30.52	30.53	83.10	82.10	6.25	6.22	2.77	2.72	5.1	5.3		
			11:38	5.0	2.9	25.50		8.01		30.54		81.10		6.18		2.67		5.5			
	15/9/2023	Fine	12:26	4.2	2.9	25.80	25.75	8.09	8.09	30.82	30.83	83.10	83.70	6.18	6.24	2.53	2.60	2.1	2.2		
			12:27	3.9	2.9	25.70		8.08		30.84		84.30		6.29		2.67		2.3			
	18/9/2023	Fine	13:54	4.2	3.2	26.70	26.75	8.27	8.28	30.16	30.17	81.00	80.50	6.04	6.01	1.95	2.08	3.8	4.0		
			13:55	4.2	3.2	26.80		8.28		30.18		80.00		5.98		2.21		4.1			
	20/9/2023	Fine	14:59	4.1	3.1	27.20	27.30	8.33	8.35	28.56	28.55	82.40	82.75	6.14	6.16	2.05	2.11	3.7	3.6		
			15:00	4.1	3.1	27.40		8.37		28.54		83.10		6.18		2.17		3.4			
	22/9/2023	Fine	7:29	3.6	2.6	28.30	28.30	8.35	8.36	27.94	27.94	85.00	85.10	6.11	6.12	1.23	1.34	3.3	3.5		
			7:30	3.6	2.6	28.30		8.37		27.94		85.20		6.12		1.45		3.7			
	25/9/2023	Fine	8:47	4.2	3.2	27.80	27.70	8.37	8.37	28.70	28.71	83.40	83.45	6.25	6.26	0.72	0.85	2.3	2.2		
			8:48	4.2	3.2	27.60		8.37		28.71		83.50		6.27		0.97		2.1			
	27/9/2023	Fine	10:26	4.2	3.2	27.40	27.45	8.12	8.12	30.84	30.84	84.10	84.30	6.26	6.27	3.73	3.69	3.5	3.7		
			10:27	4.2	3.2	27.50		8.12		30.86		84.50		6.28		3.65		3.8			
	29/9/2023	Fine	11:38	4.2	3.2	27.40	27.35	8.20	8.20	31.69	31.70	82.00	83.05	6.16	6.22	4.68	4.63	4.2	4.5		
			11:39	4.2	3.2	27.30		8.20		31.70		84.10		6.28		4.57		4.8			

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 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	
						WQM was cancelled due to adverse weather														
SR5	1/9/2023	Typhoon Signal no. 8	WQM was cancelled due to adverse weather																	
	4/9/2023	Cloudy	9:03	3.8	2.8	24.30	24.25	8.04	8.05	33.59	33.60	84.60	84.50	6.16	6.16	5.28	5.39	5.0	4.9	
			9:04	3.8	2.8	24.20		8.05		33.60		84.40		6.15		5.49		4.7		
	6/9/2023	Cloudy	11:03	3.8	2.8	24.80	24.80	8.00	8.00	33.56	33.57	83.10	83.65	6.17	6.21	1.80	1.89	2.7	2.6	
			11:04	3.8	2.8	24.80		7.99		33.57		84.20		6.25		1.98		2.4		
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																	
	11/9/2023	Cloudy	15:43	3.7	2.7	25.10	25.05	8.01	8.00	30.78	30.74	85.00	84.80	6.18	6.17	7.01	7.31	8.8	9.0	
			15:44	3.7	2.7	25.00		7.98		30.70		84.60		6.16		7.60		9.1		
	13/9/2023	Fine	18:20	4.6	3.6	25.60	25.65	8.04	8.04	30.80	30.81	83.20	82.15	6.20	6.16	2.78	2.75	4.9	5.1	
			18:21	4.6	3.6	25.70		8.04		30.82		81.10		6.12		2.72		5.2		
	15/9/2023	Fine	18:03	3.5	2.5	25.60	25.65	8.13	8.13	30.79	31.30	84.30	84.60	6.21	6.24	3.01	3.13	3.9	4.1	
			18:04	3.5	2.5	25.70		8.13		31.81		84.90		6.27		3.25		4.3		
	18/9/2023	Fine	8:15	3.8	2.8	26.70	26.60	8.20	8.20	30.16	30.17	87.30	87.80	6.07	6.09	1.61	1.73	3.2	3.0	
			8:16	3.8	2.8	26.50		8.20		30.18		88.30		6.11		1.85		2.8		
	20/9/2023	Fine	9:24	3.7	2.7	27.30	27.25	1.06	1.16	29.05	29.04	81.10	80.60	6.12	6.10	1.06	1.16	4.0	4.2	
			9:25	3.7	2.7	27.20		1.25		29.03		80.10		6.07		1.25		4.4		
	22/9/2023	Fine	16:33	3.8	2.8	28.20	28.20	8.44	8.44	27.94	27.96	88.60	89.00	6.13	6.16	1.42	1.59	2.4	2.3	
			16:34	3.8	2.8	28.20		8.44		27.97		89.40		6.19		1.75		2.2		
	25/9/2023	Fine	16:53	3.8	2.8	27.90	27.95	8.38	8.38	28.74	28.75	80.80	80.50	5.79	5.77	1.05	1.11	1.6	1.7	
			16:54	3.8	2.8	28.00		8.37		28.75		80.20		5.75		1.17		1.7		
	27/9/2023	Fine	17:36	3.7	2.7	27.60	27.50	8.14	8.14	30.84	30.82	82.10	81.95	6.15	6.14	4.19	4.21	3.7	3.5	
			17:37	3.7	2.7	27.40		8.14		30.80		81.80		6.12		4.23		3.3		
	29/9/2023	Fine	18:31	3.6	2.6	27.80	27.90	8.21	8.21	31.59	31.59	83.40	83.45	6.14	6.14	6.25	6.17	4.5	4.7	
			18:32	3.6	2.6	28.00		8.20		31.59		83.50		6.14		6.08		4.8		

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 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	1/9/2023	Typhoon Signal no. 8	WQM was cancelled due to adverse weather																		
	4/9/2023	Cloudy	14:49	2.7	1.4	24.70	24.75	8.05	8.04	33.96	33.95	82.10	81.85	6.19	6.17	3.40	3.70	3.4	3.8		
			14:50	2.7	1.4	24.80		8.02		33.94		81.60		6.14		4.00		4.2			
	6/9/2023	Cloudy	16:33	2.7	1.4	24.70	24.75	8.02	8.02	33.71	33.72	83.40	82.50	6.20	6.14	2.86	2.81	2.4	2.3		
			16:34	2.7	1.4	24.80		8.01		33.73		81.60		6.08		2.75		2.2			
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																		
	11/9/2023	Cloudy	10:19	2.6	1.3	25.00	25.05	7.94	7.93	31.69	31.70	80.60	81.10	6.05	6.09	5.49	5.51	3.8	3.7		
			10:20	2.6	1.3	25.10		7.92		31.71		81.60		6.12		5.53		3.5			
	13/9/2023	Fine	11:44	2.7	1.4	25.60	25.65	8.04	8.03	30.42	30.41	84.90	83.75	6.24	6.20	1.98	1.87	5.0	4.8		
			11:45	2.7	1.4	25.70		8.02		30.40		82.60		6.16		1.76		4.6			
	15/9/2023	Fine	12:35	2.7	1.4	25.80	25.80	8.09	8.10	30.58	30.59	82.90	82.40	6.19	6.16	2.29	2.20	2.9	2.8		
			12:36	2.7	1.4	25.80		8.10		30.60		81.90		6.13		2.10		2.6			
	18/9/2023	Fine	13:42	2.7	1.4	26.50	26.55	8.25	8.25	30.16	30.19	81.20	81.35	6.17	6.19	1.72	1.88	3.9	3.8		
			13:43	2.7	1.4	26.60		8.25		30.21		81.50		6.20		2.03		3.6			
	20/9/2023	Fine	14:47	2.8	1.4	27.10	27.25	8.34	8.33	28.09	28.11	82.00	81.05	6.12	6.10	1.73	1.88	3.0	3.2		
			14:48	2.8	1.4	27.40		8.31		28.12		80.10		6.07		2.02		3.4			
	22/9/2023	Fine	7:38	2.4	1.2	28.60	28.50	8.36	8.37	27.44	27.44	82.50	81.85	6.12	6.10	1.98	1.93	1.4	1.5		
			7:39	2.4	1.2	28.40		8.37		27.43		81.20		6.07		1.87		1.5			
	25/9/2023	Fine	8:55	2.5	1.3	27.60	27.60	8.37	8.38	28.70	28.71	83.60	82.80	6.15	6.11	1.25	1.10	<1.0	1.0		
			8:56	2.5	1.3	27.60		8.39		28.72		82.00		6.07		0.95		<1.0			
27/9/2023	Fine	10:35	2.7	1.4	27.40	27.45	8.11	8.11	30.82	30.81	83.10	83.25	6.17	6.19	4.41	4.37	3.6	3.4			
		10:36	2.7	1.4	27.50		8.11		30.80		83.40		6.21		4.32		3.2				
29/9/2023	Fine	11:45	2.7	1.4	27.40	27.30	8.17	8.19	31.66	31.66	81.90	83.90	6.13	6.16	6.06	6.02	5.6	5.5			
		11:46	2.7	1.4	27.20		8.20		31.65		85.90		6.18		5.97		5.3				

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	
						WQM was cancelled due to adverse weather														
SR6	1/9/2023	Typhoon Signal no. 8	WQM was cancelled due to adverse weather																	
	4/9/2023	Cloudy	9:11	2.3	1.2	24.30	24.30	8.03	8.03	33.62	33.62	81.00	81.50	6.04	6.08	5.53	5.48	4.3	3.9	
			9:12	2.3	1.2	24.30		8.03		33.62		82.00		6.11		5.42		3.5		
	6/9/2023	Cloudy	11:12	2.5	1.3	24.90	24.90	8.01	8.01	33.58	33.57	83.60	82.35	6.20	6.14	2.64	2.51	2.2	2.4	
			11:13	2.5	1.3	24.90		8.00		33.56		81.10		6.08		2.37		2.6		
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																	
	11/9/2023	Cloudy	15:32	2.3	1.2	24.80	24.85	8.04	8.03	30.05	30.04	81.20	81.35	6.15	6.16	2.49	2.51	2.1	2.3	
			15:33	2.3	1.2	24.90		8.02		30.02		81.50		6.17		2.52		2.4		
	13/9/2023	Fine	18:07	2.4	1.2	25.80	25.85	8.05	8.05	30.22	30.22	81.80	81.00	6.18	6.15	2.18	2.29	5.0	4.9	
			18:08	2.4	1.2	25.90		8.05		30.21		80.20		6.12		2.39		4.7		
	15/9/2023	Fine	17:52	2.3	1.2	25.90	25.95	8.19	8.20	30.50	30.48	82.00	81.65	6.12	6.11	2.48	2.56	2.6	2.5	
			17:53	2.3	1.2	26.00		8.20		30.46		81.30		6.09		2.64		2.4		
	18/9/2023	Fine	8:24	2.4	1.2	26.80	26.75	8.21	8.21	30.16	30.19	90.10	89.80	6.22	6.20	1.40	1.49	2.3	2.2	
			8:25	2.4	1.2	26.70		8.20		30.21		89.50		6.18		1.57		2.1		
	20/9/2023	Fine	9:32	2.5	1.3	27.50	27.50	8.81	1.02	28.52	28.51	83.20	82.15	6.11	6.08	0.81	1.02	3.1	3.0	
			9:33	2.5	1.3	27.50		1.23		28.50		81.10		6.05		1.23		2.9		
	22/9/2023	Fine	16:22	2.7	1.4	28.00	27.90	8.41	8.40	27.27	27.29	84.20	84.35	6.18	6.19	2.42	2.36	3.0	3.1	
			16:23	2.7	1.4	27.80		8.38		27.30		84.50		6.20		2.30		3.2		
	25/9/2023	Fine	16:42	2.3	1.2	27.60	27.70	8.40	8.41	28.75	28.75	88.40	88.80	6.21	6.24	1.34	1.38	2.5	2.7	
			16:43	2.3	1.2	27.80		8.41		28.74		89.20		6.26		1.42		2.8		
27/9/2023	Fine	17:26	2.4	1.2	27.50	27.60	8.18	8.19	30.81	30.82	84.20	83.80	6.27	6.24	3.61	3.71	3.0	2.8		
		17:27	2.4	1.2	27.70		8.20		30.83		83.40		6.20		3.80		2.6			
29/9/2023	Fine	18:23	2.3	1.2	27.80	27.95	8.20	8.21	31.57	31.56	82.20	82.50	6.11	6.13	5.47	5.40	3.1	3.3		
		18:24	2.3	1.2	28.00		8.21		31.55		82.80		6.15		5.33		3.5			

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 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
						WQM was cancelled due to adverse weather															
SR9	1/9/2023	Typhoon Signal no. 8	WQM was cancelled due to adverse weather																		
	4/9/2023	Cloudy	14:35	4.2	1.0	24.60	24.50	8.04	8.03	34.08	34.07	89.50	80.35	6.20	6.19	6.17	6.20	3.7	3.8		
			14:36	4.2	1.0	24.40		8.02		34.06		80.20		6.18	6.19	6.23		3.9			
	6/9/2023	Cloudy	16:19	4.1	1.0	24.70	24.60	8.02	8.03	33.95	33.94	81.60	82.70	6.12	6.19	2.32	2.37	1.6	1.5		
			16:20	4.1	1.0	24.50		8.04		33.93		83.80		6.26	6.19	2.42		1.4			
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																		
	11/9/2023	Cloudy	10:33	4.1	1.0	24.90	24.80	8.07	8.09	29.48	29.48	89.20	88.80	6.25	6.23	2.74	2.41	2.9	2.8		
			10:34	4.1	1.0	24.70		8.10		29.47		88.40		6.21	6.23	2.07		2.6			
	13/9/2023	Fine	11:58	5.0	1.0	26.50	26.45	8.04	8.03	30.21	30.22	81.50	82.45	6.07	6.15	1.24	1.31	5.1	5.0		
			11:59	5.0	1.0	26.40		8.02		30.22		83.40		6.22	6.15	1.37		4.8			
	15/9/2023	Fine	12:50	4.1	1.0	25.90	25.85	8.16	8.16	30.27	30.29	83.70	83.20	6.21	6.19	2.39	2.45	4.5	4.4		
	18/9/2023	Fine	13:29	4.1	1.0	27.00	27.10	8.24	8.24	30.08	30.10	82.00	82.95	6.02	6.07	2.08	2.15	3.2	3.4		
			13:30	4.1	1.0	27.20		8.24		30.11		83.90		6.12	6.18	2.21		3.6			
	20/9/2023	Fine	14:34	4.2	1.0	27.30	27.15	8.30	8.31	28.22	28.21	81.80	80.95	6.18	6.13	2.01	1.91	3.4	3.6		
			14:35	4.2	1.0	27.00		8.32		28.19		80.10		6.07	6.13	1.81		3.7			
	22/9/2023	Fine	7:52	3.8	1.0	28.10	28.05	8.40	8.39	27.41	27.43	84.00	84.50	6.15	6.18	1.42	1.51	3.1	3.0		
			7:53	3.8	1.0	28.00		8.37		27.44		85.00		6.21	6.18	1.60		2.8			
	25/9/2023	Fine	9:10	4.0	1.0	27.90	28.00	8.42	8.42	28.54	28.55	83.00	82.25	6.20	6.12	1.34	1.31	1.5	1.4		
			9:11	4.0	1.0	28.10		8.42		28.56		81.50		6.04	6.12	1.28		1.3			
	27/9/2023	Fine	10:50	4.1	1.0	27.30	27.35	8.17	8.19	30.83	30.82	81.80	81.70	6.17	6.17	3.36	3.27	2.6	2.5		
			10:51	4.1	1.0	27.40		8.20		30.80		81.60		6.16	6.17	3.17		2.4			
	29/9/2023	Fine	11:59	4.2	1.0	27.60	27.70	8.22	8.21	31.65	31.67	83.30	83.15	6.23	6.21	4.72	4.65	5.6	5.8		
			12:00	4.2	1.0	27.80		8.20		31.68		83.00		6.19	6.21	4.57		5.9			

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	
						WQM was cancelled due to adverse weather														
SR9	1/9/2023	Typhoon Signal no. 8	WQM was cancelled due to adverse weather																	
	4/9/2023	Cloudy	9:25	3.9	1.0	24.40	24.20	8.02	8.03	34.09	34.10	85.90	85.45	6.18	6.15	6.97	6.78	5.8	5.8	
			9:26	3.9	1.0	24.00		8.03		34.10		85.00		6.12	6.15	6.59		5.7		
	6/9/2023	Cloudy	11:26	3.9	1.0	24.60	24.55	8.03	8.02	33.97	33.98	81.10	80.45	6.05	5.98	3.09	3.04	1.9	1.8	
			11:27	3.9	1.0	24.50		8.01		33.99		79.80		5.91	5.98	2.98		1.6		
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																	
	11/9/2023	Cloudy	15:19	3.8	1.0	24.60	24.70	8.08	8.08	29.50	29.52	82.00	82.85	6.02	6.08	2.81	2.75	<1.0	1.0	
			15:20	3.8	1.0	24.80		8.07		29.53		83.70		6.14	6.08	2.69		<1.0		
	13/9/2023	Fine	17:53	4.6	1.0	26.60	26.55	8.04	8.05	30.19	30.20	82.00	82.05	6.12	6.16	2.23	2.24	3.6	3.8	
			17:54	4.6	1.0	26.50		8.06		30.21		82.10		6.19	6.16	2.25		4.0		
	15/9/2023	Fine	17:39	3.7	1.0	25.60	25.65	8.15	8.16	30.49	30.50	84.40	83.95	6.17	6.14	3.02	2.99	3.9	3.8	
			17:40	3.7	1.0	25.70		8.17		30.51		83.50		6.10	6.14	2.95		3.7		
	18/9/2023	Fine	8:37	3.9	1.0	27.30	27.15	8.24	8.23	30.08	30.10	82.50	82.20	6.16	6.14	1.59	1.78	2.9	3.1	
			8:38	3.9	1.0	27.00		8.22		30.11		81.90		6.11	6.14	1.98		3.2		
	20/9/2023	Fine	9:47	3.8	1.0	27.00	27.10	8.30	8.30	28.20	28.21	81.90	81.95	6.12	6.13	2.27	2.22	5.6	5.4	
			9:48	3.8	1.0	27.20		8.29		28.22		82.00		6.13	6.13	2.17		5.2		
	22/9/2023	Fine	16:09	4.1	1.0	28.20	28.10	8.37	8.39	27.52	27.51	84.60	84.45	6.16	6.15	1.39	1.34	2.6	2.8	
			16:10	4.1	1.0	28.00		8.40		27.50		84.30		6.14	6.15	1.28		3.0		
	25/9/2023	Fine	16:29	3.7	1.0	28.00	27.85	8.43	8.44	28.48	28.49	88.70	89.00	6.13	6.16	1.58	1.65	1.7	1.8	
			16:30	3.7	1.0	27.70		8.45		28.50		89.30		6.19	6.16	1.72		1.9		
	27/9/2023	Fine	17:13	3.7	1.0	27.50	27.40	8.16	8.17	30.79	30.80	83.40	83.25	6.16	6.16	4.32	4.24	4.6	4.5	
			17:14	3.7	1.0	27.30		8.18		30.81		83.10		6.15	6.16	4.15		4.3		
	29/9/2023	Fine	18:10	3.8	1.0	27.70	27.60	8.21	8.22	31.58	31.59	83.40	83.10	6.19	6.17	5.72	5.77	5.4	5.3	
18:11			3.8	1.0	27.50		8.23		31.60		82.90		6.14	6.17	5.82		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 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
						WQM was cancelled due to adverse weather															
SR9	1/9/2023	Typhoon Signal no. 8	WQM was cancelled due to adverse weather																		
	4/9/2023	Cloudy	14:38	4.2	3.2	24.70	24.80	8.05	8.05	34.00	33.98	84.70	84.80	6.13	6.14	5.02	5.07	4.0	3.9		
			14:39	4.2	3.2	24.90		8.04		33.96		84.90		6.14		5.11		3.7			
			16:22	4.1	3.1	24.60	24.65	8.04	8.04	34.02	34.02	83.70	82.75	6.27	6.21	2.95	2.94	3.0	3.3		
			16:23	4.1	3.1	24.70		8.03		34.01		81.80		6.14		2.93		3.5			
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																		
	11/9/2023	Cloudy	10:36	4.1	3.1	24.80	24.80	8.08	8.07	29.81	29.82	89.40	89.35	6.26	6.26	2.69	2.77	3.5	3.8		
			10:37	4.1	3.1	24.80		8.06		29.83		89.30		6.25		2.84		4.0			
			12:02	5.0	4.0	25.40	25.45	8.04	8.04	30.20	30.24	82.10	83.25	6.19	6.24	1.85	1.73	6.3	6.1		
			12:03	5.0	3.0	25.50		8.03		30.28		84.40		6.28		1.61		5.9			
	15/9/2023	Fine	12:53	4.1	3.0	25.60	25.65	8.13	8.14	30.46	30.46	82.10	82.55	6.19	6.23	2.77	2.82	3.4	3.6		
			12:54	4.0	3.0	25.70		8.15		30.45		83.00		6.27		2.86		3.7			
	18/9/2023	Fine	13:32	4.1	3.1	27.20	27.20	8.23	8.24	30.31	30.32	86.30	86.80	6.19	6.17	2.96	3.00	5.8	6.1		
			13:33	4.1	3.1	27.20		8.24		30.33		87.30		6.14		3.02		6.3			
			14:37	4.2	3.2	27.30	27.25	8.31	8.31	28.60	28.61	83.30	83.25	6.23	6.22	1.34	1.44	5.0	4.7		
			14:38	4.2	3.2	27.20		8.31		28.62		83.20		6.21		1.54		4.4			
	22/9/2023	Fine	7:54	3.8	2.8	28.00	28.00	8.36	8.36	28.09	28.08	83.10	83.40	6.10	6.12	1.85	1.73	3.6	3.8		
			7:55	3.8	2.8	28.00		8.36		28.07		83.70		6.14		1.60		4.0			
	25/9/2023	Fine	9:13	4.0	3.0	27.70	27.70	8.42	8.43	28.60	28.61	82.00	81.95	6.13	6.13	0.92	0.79	<1.0	1.0		
			9:14	4.0	3.0	27.70		8.43		28.61		81.90		6.12		0.66		<1.0			
	27/9/2023	Fine	10:53	4.1	3.1	27.40	27.30	8.16	8.16	30.93	30.94	82.70	82.10	6.20	6.17	3.95	4.00	5.0	4.9		
			10:54	4.1	3.1	27.20		8.16		30.95		81.50		6.13		4.05		4.7			
	29/9/2023	Fine	12:02	4.2	3.2	27.40	27.40	8.21	8.21	31.62	31.63	83.00	82.40	6.20	6.16	6.92	7.00	4.5	4.4		
			12:03	4.2	3.2	27.40		8.21		31.64		81.80		6.12		7.08		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		
						WQM was cancelled due to adverse weather															
SR9	1/9/2023	Typhoon Signal no. 8	WQM was cancelled due to adverse weather																		
	4/9/2023	Cloudy	9:27	3.9	2.9	24.30	24.25	8.02	8.03	34.16	34.16	89.20	89.35	6.18	6.19	5.37	5.45	5.8	6.6		
			9:28	3.9	2.9	24.20		8.03		34.16		89.50		6.20		5.53		7.4			
	6/9/2023	Cloudy	11:28	3.9	2.9	24.60	24.65	8.03	8.04	34.00	34.01	80.50	79.60	6.03	5.96	3.19	3.27	2.2	2.3		
			11:29	3.9	2.9	24.70		8.04		34.02		78.70		5.88		3.35		2.4			
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																		
	11/9/2023	Cloudy	15:21	3.8	2.8	24.80	24.85	8.06	8.07	29.97	29.98	84.70	84.75	6.06	6.07	3.05	3.02	1.7	1.7		
			15:22	3.8	2.8	24.90		8.08		29.99		84.80		6.08		2.99		1.8			
	13/9/2023	Fine	17:56	4.6	3.6	25.40	25.45	8.02	8.03	30.29	30.29	81.90	82.25	6.13	6.16	1.47	1.41	2.4	2.6		
			17:57	4.6	3.6	25.50		8.03		30.28		82.60		6.19		1.35		2.7			
			17:41	3.7	2.7	25.80	25.70	8.13	8.13	30.68	30.68	82.20	82.05	6.12	6.10	3.09	3.13	3.2	3.3		
			17:42	3.7	2.7	25.60		8.13		30.67		81.90		6.08		3.17		3.4			
	18/9/2023	Fine	8:39	3.9	2.9	27.10	27.05	8.23	8.23	30.31	30.32	82.60	82.20	6.16	6.15	2.59	2.61	3.9	4.1		
			8:40	3.9	2.9	27.00		8.23		30.33		81.80		6.14		2.62		4.2			
	20/9/2023	Fine	9:49	3.8	2.8	27.30	27.25	8.30	8.31	28.54	28.55	80.90	80.70	6.07	6.05	1.85	1.69	4.1	4.2		
			9:50	3.8	2.8	27.20		8.32		28.55		80.50		6.03		1.53		4.3			
	22/9/2023	Fine	16:12	4.1	3.1	28.00	27.95	8.35	8.35	28.12	28.14	85.00	84.75	6.12	6.08	1.51	1.49	4.1	4.3		
			16:13	4.1	3.1	27.90		8.35		28.15		84.50		6.04		1.47		4.5			
	25/9/2023	Fine	16:31	3.7	2.7	27.80	27.85	8.44	8.44	28.62	28.61	89.40	88.75	6.19	6.17	1.96	1.78	2.4	2.5		
			16:32	3.7	2.7	27.90		8.43		28.60		88.10		6.14		1.59		2.6			
	27/9/2023	Fine	17:15	3.7	2.7	27.40	27.40	8.16	8.16	30.92	30.92	82.60	82.40	6.09	6.08	5.79	5.82	5.9	5.7		
			17:16	3.7	2.7	27.40		8.16		30.92		82.20		6.06		5.84		5.5			
	29/9/2023	Fine	18:12	3.8	2.8	27.40	27.40	8.22	8.21	31.61	31.60	81.80	81.65	6.08	6.06	6.05	6.11	6.1	6.0		
			18:13	3.8	2.8	27.40		8.20		31.59		81.50		6.04		6.17		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 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	1/9/2023	Typhoon Signal no. 8	WQM was cancelled due to adverse weather																		
	4/9/2023	Cloudy	14:26	2.7	1.4	24.30	24.35	8.03	8.03	34.02	34.03	82.10	81.40	6.24	6.22	4.41	4.40	1.3	1.5		
			14:27	2.7	1.4	24.40		8.02				80.70		6.19		4.39		1.7			
	6/9/2023	Cloudy	16:10	2.8	1.4	24.80	24.75	8.02	8.03	33.85	33.85	82.80	82.55	6.17	6.15	2.30	2.32	3.1	3.3		
			16:11	2.8	1.4	24.70		8.03				83.85		6.13		2.33		3.5			
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																		
	11/9/2023	Cloudy	10:41	2.6	1.3	24.70	24.75	8.06	8.07	29.43	29.44	88.70	89.00	6.13	6.16	1.99	1.89	3.2	3.3		
			10:42	2.6	1.3	24.80		8.07		29.45		89.30		6.18		1.78		3.4			
	13/9/2023	Fine	12:06	2.7	1.4	25.70	25.70	8.02	8.03	29.86	29.85	82.10	82.75	6.15	6.15	0.85	0.94	1.4	1.5		
			12:07	2.7	1.4	25.70		8.04		29.84		83.40		6.14		1.02		1.6			
	15/9/2023	Fine	12:59	2.8	1.4	26.00	25.95	8.16	8.17	30.22	30.21	81.80	81.65	6.18	6.18	2.03	2.01	3.2	3.4		
			13:00	2.7	1.4	25.90		8.18		30.19		81.50		6.17		1.98		3.6			
	18/9/2023	Fine	13:20	2.8	1.4	26.70	26.80	8.25	8.25	30.07	30.08	81.20	81.10	6.17	6.16	1.56	1.44	4.2	4.1		
			13:21	2.8	1.3	26.90		8.25		30.09		81.00		6.15		1.31		3.5			
	20/9/2023	Fine	14:26	2.6	1.3	27.60	27.50	8.34	8.33	28.19	28.18	81.20	82.25	6.06	6.15	1.25	1.34	3.0	2.9		
			14:27	2.6	1.3	27.40		8.32		28.16		83.30		6.23		1.42		2.7			
	22/9/2023	Fine	8:00	2.3	1.2	27.70	27.70	8.34	8.37	27.15	27.17	82.30	82.20	6.19	6.18	2.09	2.03	3.7	3.6		
			8:01	2.3	1.2	27.70		8.39		27.19		82.10		6.17		1.97		3.4			
	25/9/2023	Fine	9:18	2.5	1.3	27.80	27.85	8.40	8.41	28.70	28.70	83.70	83.60	6.25	6.25	1.71	1.69	<1.0	1.0		
			9:19	2.5	1.3	27.90		8.41		28.69		83.50		6.24		1.67		<1.0			
27/9/2023	Fine	10:59	2.8	1.4	27.60	27.65	8.20	8.20	30.85	30.83	81.00	81.55	6.08	6.12	4.05	4.02	3.6	3.4			
		11:00	2.8	1.4	27.70		8.19		30.80		82.10		6.16		3.99		3.2				
29/9/2023	Fine	12:08	2.9	1.5	27.70	27.70	8.25	8.24	31.56	31.56	84.30	83.75	6.29	6.23	4.66	4.52	4.8	4.7			
		12:09	2.9	1.5	27.70		8.22		31.56		83.20		6.16		4.37		4.5				

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 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	1/9/2023	Typhoon Signal no. 8	WQM was cancelled due to adverse weather																	
	4/9/2023	Cloudy	9:34	2.3	1.2	24.50	24.60	8.03	8.03	34.00	34.02	84.70	84.75	6.08	6.09	3.86	3.79	3.1	3.0	
			9:35	2.3	1.2	24.70		8.02		34.03		84.80		6.09		3.71		2.8		
	6/9/2023	Cloudy	11:35	2.5	1.3	24.70	24.70	8.03	8.04	33.80	33.81	80.00	80.30	6.00	6.03	3.19	3.21	2.6	2.5	
			11:36	2.5	1.3	24.70		8.04		33.82		80.60		6.06		3.23		2.3		
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																	
	11/9/2023	Cloudy	15:10	2.3	1.2	24.80	24.80	8.08	8.08	29.46	29.48	81.20	81.25	6.17	6.18	2.49	2.37	1.4	1.2	
			15:11	2.3	1.2	24.80		8.08		29.49		81.30		6.19		2.24		1.0		
	13/9/2023	Fine	17:49	2.5	1.3	25.60	25.65	8.04	8.05	29.53	29.54	83.70	83.50	6.24	6.23	1.68	1.78	3.5	3.7	
			17:50	2.5	1.3	25.70		8.05		29.55		83.30		6.21		1.87		3.9		
	15/9/2023	Fine	17:30	2.4	1.2	25.70	25.70	8.20	8.21	30.07	30.08	84.80	83.90	6.27	6.24	2.95	2.90	3.0	3.1	
			17:31	2.4	1.2	25.70		8.21		30.09		83.00		6.20		2.84		3.2		
	18/9/2023	Fine	8:45	2.5	1.3	26.60	26.70	8.22	8.23	30.07	30.08	83.80	83.50	6.27	6.26	0.14	0.26	2.7	2.6	
			8:46	2.5	1.3	26.80		8.24		30.09		83.20		6.25		0.37		2.5		
	20/9/2023	Fine	9:56	2.4	1.2	27.50	27.55	8.33	8.34	28.21	28.23	83.70	83.35	6.24	6.22	1.97	1.94	3.3	3.5	
			9:57	2.4	1.2	27.60		8.34		28.24		83.00		6.20		1.90		3.7		
	22/9/2023	Fine	16:00	2.6	1.3	27.70	27.65	8.37	8.38	27.25	27.24	84.00	84.30	6.11	6.14	2.02	1.96	3.6	3.7	
			16:01	2.6	1.3	27.60		8.38		27.23		84.60		6.16		1.89		3.8		
	25/9/2023	Fine	16:20	2.3	1.2	27.90	27.90	8.45	8.46	28.47	28.47	84.40	84.55	6.22	6.23	1.13	1.21	2.9	2.8	
			16:21	2.3	1.2	27.90		8.46		28.46		84.70		6.24		1.29		2.6		
27/9/2023	Fine	17:04	2.4	1.2	27.36	27.48	8.20	8.20	30.73	30.75	84.20	83.80	6.22	6.20	3.95	3.86	3.7	3.5		
		17:05	2.4	1.2	27.60		8.19		30.76		83.40		6.17		3.76		3.3			
29/9/2023	Fine	18:01	2.4	1.2	27.90	27.95	8.26	8.25	31.53	31.52	82.10	82.75	6.16	6.19	5.37	5.26	4.4	4.3		
		18:02	2.4	1.2	28.00		8.24		31.50		83.40		6.21		5.14		4.1			

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 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
						WQM was cancelled due to adverse weather															
SR12	1/9/2023	Typhoon Signal no. 8																			
	WQM was cancelled due to adverse weather																				
	4/9/2023	Cloudy	14:21	2.5	1.3	24.50	24.50	8.02	8.03	33.98	33.99	90.10	89.75	6.22	6.21	4.82	4.71	3.7	3.8		
			14:22	2.5	1.3	24.50		8.04		33.99		89.40		6.19		4.59		3.5			
	6/9/2023	Cloudy	16:03	2.7	1.4	24.60	24.60	8.04	8.03	33.88	33.89	83.70	83.45	6.18	6.16	2.95	2.97	2.4	2.6		
			16:04	2.7	1.4	24.60		8.02		33.89		83.20		6.13		2.99		2.8			
	8/9/2023	Black Rain																			
	WQM was cancelled due to adverse weather																				
	11/9/2023	Cloudy	10:47	2.5	1.3	24.80	24.85	8.08	8.09	29.43	29.44	89.50	89.80	6.20	6.21	2.07	2.01	1.6	1.7		
			10:48	2.5	1.3	24.90		8.10		29.44		90.10		6.22		1.95		1.8			
	13/9/2023	Fine	12:12	2.8	1.4	25.60	25.60	8.02	8.03	29.57	29.58	82.70	83.05	6.16	6.19	1.17	1.11	3.0	2.9		
			12:13	2.8	1.3	25.60		8.04		29.58		83.40		6.21		1.05		2.7			
	15/9/2023	Fine	13:04	2.7	1.3	25.80	25.85	8.19	8.20	30.08	30.07	83.90	83.00	6.20	6.15	1.86	1.94	3.4	3.3		
			13:05	2.6	1.3	25.90		8.20		30.06		82.10		6.09		2.01		3.2			
	18/9/2023	Fine	13:15	2.7	1.4	26.40	26.50	8.25	8.26	30.05	30.05	81.70	81.75	6.18	6.17	2.36	2.29	4.2	4.4		
			13:16	2.7	1.4	26.40		8.25		30.05		81.70		6.15		2.21		4.5			
	20/9/2023	Fine	14:21	2.7	1.4	27.60	27.55	8.36	8.36	28.08	28.07	84.20	83.45	6.25	6.22	1.10	1.18	3.7	4.0		
			14:22	2.7	1.4	27.50		8.36		28.05		82.70		6.19		1.25		4.2			
	22/9/2023	Fine	8:06	2.4	1.2	27.60	27.70	8.39	8.39	27.20	27.20	83.90	84.25	6.12	6.16	2.32	2.25	4.2	4.0		
			8:07	2.4	1.2	27.80		8.38		27.19		84.60		6.19		2.17		3.8			
25/9/2023	Fine	9:24	2.6	1.3	27.80	27.85	8.43	8.43	28.50	28.51	84.90	84.60	6.28	6.27	0.91	1.08	<1.0	1.0			
		9:25	2.6	1.3	27.90		8.42		28.52		84.30		6.26		1.25		<1.0				
27/9/2023	Fine	11:05	2.7	1.4	27.60	27.55	8.20	8.19	30.77	30.77	82.60	82.30	6.14	6.12	3.13	3.25	2.8	2.7			
		11:06	2.7	1.4	27.50		8.18		30.77		82.00		6.09		3.37		2.5				
29/9/2023	Fine	12:13	2.8	1.4	27.90	27.85	8.24	8.25	31.60	31.59	84.40	84.80	6.23	6.25	5.92	5.97	4.4	4.6			
		12:14	2.8	1.4	27.80		8.26		31.58		85.20		6.27		6.01		4.7				

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 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
						WQM was cancelled due to adverse weather													
4/9/2023	Cloudy	9:40	2.4	1.2	24.60	24.60	8.00	8.01	33.98	33.97	82.00	82.85	6.02	6.08	4.41	4.49	1.4	1.8	
		9:41	2.4	1.2	24.60		8.02		33.95		83.70		6.14		4.57		2.2		
6/9/2023	Cloudy	11:41	2.4	1.2	24.80	24.85	8.03	8.02	33.84	33.84	83.60	84.05	6.20	6.24	3.62	3.59	2.6	2.4	
		11:42	2.4	1.2	24.90		8.01		33.83		84.50		6.28		3.56		2.2		
8/9/2023	Black Rain																		
WQM was cancelled due to adverse weather																			
11/9/2023	Cloudy	15:05	2.3	1.2	25.00	24.95	8.08	8.08	29.49	29.50	85.00	84.95	6.22	6.21	2.25	2.31	<1.0	1.0	
		15:06	2.3	1.2	24.90		8.07		29.50		84.90		6.20		2.37		<1.0		
13/9/2023	Fine	17:39	2.5	1.3	25.70	25.60	8.04	8.04	29.59	29.59	83.10	82.85	6.18	6.15	2.96	2.41	2.4	2.6	
		17:40	2.5	1.3	25.50		8.04		29.58		82.60		6.12		1.84		2.8		
15/9/2023	Fine	17:25	2.3	1.2	25.90	25.80	8.25	8.23	30.10	30.10	82.00	83.25	6.13	6.18	2.78	2.83	1.9	1.9	
		17:26	2.3	1.2	25.70		8.21		30.09		84.50		6.23		2.87		1.9		
18/9/2023	Fine	8:51	2.4	1.2	26.70	26.80	8.25	8.26	30.05	30.05	83.90	84.00	6.24	6.25	1.06	1.14	2.5	2.7	
		8:52	2.4	1.2	26.90		8.27		30.05		84.10		6.26		1.21		2.8		
20/9/2023	Fine	10:02	2.5	1.3	27.50	27.45	8.30	8.31	28.19	28.18	81.90	81.60	6.14	6.12	2.00	2.07	3.1	3.0	
		10:03	2.5	1.3	27.40		8.32		28.16		81.30		6.09		2.13		2.8		
22/9/2023	Fine	15:55	2.6	1.3	27.70	27.70	8.41	8.40	27.20	27.19	84.70	84.30	6.18	6.15	1.60	1.73	3.4	3.2	
		15:56	2.6	1.3	27.70		8.38		27.18		83.90		6.12		1.85		3.0		
25/9/2023	Fine	16:15	2.3	1.2	28.00	28.00	8.44	8.44	28.48	28.48	82.10	82.30	6.19	6.20	1.84	1.80	2.2	2.4	
		16:16	2.3	1.2	28.00		8.44		28.48		82.50		6.20		1.76		2.5		
27/9/2023	Fine	17:00	2.4	1.2	27.50	27.45	8.20	8.19	30.77	30.75	83.10	82.35	6.17	6.13	5.13	5.07	2.8	2.6	
		17:01	2.4	1.2	27.40		8.18		30.73		81.60		6.08		5.01		2.4		
29/9/2023	Fine	17:56	2.5	1.3	27.80	27.70	8.26	8.26	31.55	31.55	83.10	82.95	6.20	6.18	5.88	5.91	5.2	5.0	
		17:57	2.5	1.3	27.80		8.25		31.54		82.80		6.15		5.94		4.8		

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 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
						WQM was cancelled due to adverse weather															
SR15	1/9/2023	Typhoon Signal no. 8	WQM was cancelled due to adverse weather																		
	4/9/2023	Cloudy	15:13	2.7	1.4	24.70	24.70	8.05	8.05	33.96	33.81	89.50	89.05	6.25	6.19	3.33	3.42	4.9	5.3		
	6/9/2023	Cloudy	15:14	2.7	1.4	24.70	24.75	8.04	8.01	33.65	33.68	88.60	83.90	6.13	6.25	3.50	2.73	5.7	2.2	2.4	
			16:58	2.7	1.4	24.80		8.01		33.66		84.40		6.28		2.84		2.2			
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																		
			9:49	2.7	1.4	25.10	25.20	7.91	7.91	31.32	31.31	82.10	83.35	6.18	6.22	7.33	7.21	7.0	6.9		
	11/9/2023	Cloudy	9:50	2.7	1.4	25.30	25.65	7.91	7.99	31.30	30.06	84.60	82.95	6.25	6.20	7.09	2.57	6.7	3.4	3.5	
			11:16	2.8	1.4	25.70		7.99		30.07		83.00		6.20		2.49		3.6			
	13/9/2023	Fine	11:17	2.8	1.4	25.60	25.65	7.98	8.07	30.05	31.35	82.90	83.70	6.19	6.22	2.07	2.04	3.6	3.2	3.1	
			12:07	2.6	1.3	25.70		8.06		31.34		83.50		6.20		2.00		3.2			
	15/9/2023	Fine	12:08	2.6	1.3	25.60	25.65	8.08	8.30	31.36	30.21	83.90	81.60	6.23	6.08	2.07	1.47	2.9	6.6	7.0	
			14:05	2.7	1.4	26.80		8.29		30.21		80.30		6.02		1.39		6.6			
	18/9/2023	Fine	14:06	2.7	1.4	26.70	26.75	8.31	8.35	30.20	27.78	82.90	82.45	6.14	6.17	1.54	1.93	7.0	3.5	3.3	
			15:10	2.8	1.4	27.00		8.36		27.78		83.00		6.20		2.00		3.5			
	20/9/2023	Fine	15:11	2.8	1.4	27.30	27.15	8.34	8.22	27.78	29.13	81.90	81.60	6.13	6.15	1.85	2.63	3.1	2.8	3.0	
			7:08	2.3	1.2	27.40		8.23		29.12		80.30		6.11		2.58		2.8			
	22/9/2023	Fine	7:09	2.3	1.2	27.60	27.50	8.20	8.39	29.14	28.34	82.90	83.10	6.19	6.14	2.68	0.62	3.1	1.2	1.2	
			8:26	2.6	1.3	27.70		8.40		28.29		83.20		6.14		0.66		1.2			
	25/9/2023	Fine	8:27	2.6	1.3	27.90	27.80	8.38	8.11	28.39	30.97	83.00	83.50	6.13	6.15	0.57	7.19	1.2	5.6	5.8	
			10:05	2.7	1.4	27.30		8.11		30.99		83.70		6.16		7.19		5.6			
	27/9/2023	Fine	10:06	2.7	1.4	27.10	27.20	8.10	8.11	30.95	30.97	83.30	83.50	6.13	6.15	7.02	6.21	6.0	3.6	3.6	
			11:18	2.8	1.4	27.10		8.19		31.63		83.70		6.25		6.23		3.6			
	29/9/2023	Fine	11:19	2.8	1.4	27.00	27.05	8.20	8.20	31.63	31.63	83.50	83.60	6.26	6.19	6.21	3.5	3.5	3.5	3.6	
11:19			2.8	1.4	27.00	8.20		31.63		83.50		6.26		6.19		3.5					

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 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	
						WQM was cancelled due to adverse weather														
SR15	1/9/2023	Typhoon Signal no. 8	WQM was cancelled due to adverse weather																	
	4/9/2023	Cloudy	8:44	2.2	1.1	24.30	24.40	8.02	8.04	33.97	33.96	82.00	81.15	6.20	6.11	6.08	6.00	4.6	4.5	
	6/9/2023	Cloudy	8:45	2.2	1.1	24.50	24.90	8.05	7.97	33.95	33.58	80.30	83.00	6.02	6.16	5.92	1.81	4.3	1.4	1.3
			10:42	2.4	1.2	24.90		7.96		33.57		82.30		6.12		1.62		1.4		
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																	
			15:55	2.4	1.2	24.90	24.85	8.01	8.02	29.97	29.98	82.90	83.75	6.19	6.21	3.74	3.87	1.9	1.9	
	11/9/2023	Cloudy	15:56	2.4	1.2	24.80	25.90	8.02	8.07	29.98	30.70	84.60	80.80	6.23	6.02	3.99	2.11	1.8	3.3	3.5
			18:31	2.3	1.2	25.90		8.08		30.70		79.80		5.95		2.21		3.3		
	13/9/2023	Fine	18:32	2.3	1.2	25.70	25.85	8.06	8.17	30.69	31.17	81.80	83.60	6.09	6.23	2.00	2.69	3.7	2.4	2.3
			18:14	2.2	1.1	25.90		8.17		31.16		84.30		6.26		2.79		2.4		
	15/9/2023	Fine	18:15	2.2	1.1	25.80	26.20	8.17	8.15	31.17	30.21	82.90	89.40	6.19	6.13	2.59	1.86	2.1	2.8	2.7
			7:56	2.3	1.2	26.30		8.16		30.21		89.50		6.13		2.00		2.8		
	18/9/2023	Fine	7:57	2.3	1.2	26.10	27.05	8.14	1.67	30.20	28.29	89.30	83.45	6.12	6.19	1.72	1.67	2.6	3.4	3.3
			9:05	2.4	1.2	27.00		1.41		28.30		82.70		6.12		1.41		3.4		
	20/9/2023	Fine	9:06	2.4	1.2	27.10	27.60	1.92	8.43	28.28	26.54	84.20	81.15	6.25	6.11	1.92	1.45	3.1	2.8	2.7
			16:46	2.6	1.3	27.60		8.42		26.53		82.00		6.20		1.49		2.8		
	22/9/2023	Fine	16:47	2.6	1.3	27.60	27.85	8.43	8.37	26.54	28.82	80.30	88.05	6.02	6.09	1.40	1.14	2.6	1.7	1.8
			17:05	2.3	1.2	27.80		8.38		28.80		88.30		6.12		1.27		1.7		
	25/9/2023	Fine	17:06	2.3	1.2	27.90	27.40	8.36	8.20	28.83	30.93	87.80	82.65	6.06	6.18	1.01	5.53	1.8	2.2	2.2
			17:49	2.4	1.2	27.30		8.19		30.92		82.80		6.19		5.59		2.2		
	27/9/2023	Fine	17:50	2.4	1.2	27.50	27.70	8.21	8.20	30.94	31.55	82.50	82.40	6.17	6.12	5.46	5.37	2.2	3.8	3.9
			18:43	2.3	1.2	27.60		8.18		31.55		82.80		6.14		4.80		3.8		
	29/9/2023	Fine	18:44	2.3	1.2	27.80	27.70	8.21	8.20	31.55	31.55	82.00	82.40	6.09	6.12	5.94	5.37	3.9	3.8	3.9
18:44			2.3	1.2	27.80	8.21		31.55		82.00		6.09		5.94		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 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
						WQM was cancelled due to adverse weather															
CE	1/9/2023	Typhoon Signal no. 8																			
	WQM was cancelled due to adverse weather																				
	4/9/2023	Cloudy	14:10	8.6	1.0	24.20	24.30	8.04	8.05	34.25	34.29	88.40	88.80	6.15	6.17	7.42	7.36	4.6	4.8		
			14:11	8.6	1.0	24.40		8.05		34.32		89.20		6.19		7.29		5.0			
	6/9/2023	Cloudy	15:52	8.7	1.0	25.50	25.45	8.09	8.10	33.87	33.85	82.80	83.35	6.17	6.21	2.36	2.36	3.6	3.8		
			15:53	8.7	1.0	25.40		8.10		33.82		83.90		6.24		2.35		4.0			
	8/9/2023	Black Rain																			
	WQM was cancelled due to adverse weather																				
	11/9/2023	Cloudy	10:58	8.5	1.0	24.80	24.80	8.09	8.09	30.19	30.18	89.10	89.25	6.17	6.18	0.75	0.85	3.1	3.3		
			10:59	8.5	1.0	24.80		8.09		30.17		89.40		6.19		0.95		3.4			
	13/9/2023	Fine	12:24	8.7	1.0	25.50	25.45	8.04	8.03	30.21	30.21	84.40	83.75	6.18	6.15	1.26	1.22	3.1	3.0		
			12:25	8.7	1.0	25.40		8.02		30.20		83.10		6.11		1.18		2.8			
	15/9/2023	Fine	13:16	8.5	1.0	25.70	25.75	8.19	8.70	30.53	30.52	83.10	83.75	6.07	6.13	2.20	2.16	3.2	3.4		
			13:17	8.5	1.0	25.80		8.20		30.50		84.40		6.19		2.11		3.5			
	18/9/2023	Fine	13:05	8.7	1.0	26.40	26.50	8.18	8.19	29.94	29.95	84.60	84.70	6.18	6.18	2.72	2.84	3.2	3.6		
			13:06	8.7	1.0	26.60		8.20		29.96		84.90		6.19		2.95		3.4			
	20/9/2023	Fine	14:10	8.6	1.0	26.60	26.55	8.27	8.29	29.79	29.80	83.90	83.45	6.27	6.24	3.89	3.78	3.6	3.4		
			14:11	8.6	1.0	26.50		8.30		29.80		83.00		6.20		3.67		3.2			
	22/9/2023	Fine	8:14	8.5	1.0	27.50	27.40	8.30	8.31	28.80	28.83	84.80	84.85	6.19	6.20	3.08	3.05	3.5	3.4		
			8:15	8.5	1.0	27.30		8.31		28.85		84.90		6.20		3.02		3.2			
	25/9/2023	Fine	9:35	8.5	1.0	27.70	27.60	8.50	8.40	28.70	28.69	83.10	82.85	6.20	6.18	0.47	0.41	<1.0	1.0		
			9:36	8.5	1.0	27.50		8.48		28.67		82.60		6.16		0.35		<1.0			
	27/9/2023	Fine	11:16	8.7	1.0	27.20	27.30	8.20	8.19	31.00	31.01	83.10	82.85	6.21	6.20	3.09	3.04	3.4	3.6		
			11:17	8.7	1.0	27.40		8.18		31.01		82.60		6.18		2.98		3.8			
29/9/2023	Fine	12:25	8.8	1.0	27.90	27.95	8.29	8.28	31.62	31.61	83.90	84.00	6.24	6.26	3.72	3.66	3.6	3.5			
		12:26	8.8	1.0	28.00		8.27		31.60		84.10		6.27		3.59		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 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	
						WQM was cancelled due to adverse weather														
CE	1/9/2023	Typhoon Signal no. 8																		
	WQM was cancelled due to adverse weather																			
	4/9/2023	Cloudy	9:52	8.3	1.0	24.80	24.55	8.04	8.04	34.08	34.07	84.00	83.95	6.15	6.14	4.47	4.42	4.2	4.9	
			9:53	8.3	1.0	24.50		8.03		34.06		83.90		6.12		4.36		5.6		
	6/9/2023	Cloudy	11:53	8.5	1.0	24.90	24.95	8.06	8.05	33.87	33.86	80.00	80.30	6.04	6.07	2.80	2.79	2.9	3.0	
			11:54	8.5	1.0	25.00		8.03		33.85		80.60		6.09		2.78		3.1		
	8/9/2023	Black Rain																		
	WQM was cancelled due to adverse weather																			
	11/9/2023	Cloudy	14:55	8.3	1.0	25.00	25.05	8.07	8.08	30.11	30.12	84.80	84.70	6.21	6.20	0.50	0.60	1.2	1.4	
			14:56	8.3	1.0	25.10		8.08		30.12		84.60		6.19		0.69		1.6		
	13/9/2023	Fine	17:28	8.4	1.0	25.60	25.65	8.04	8.05	30.38	30.39	81.80	81.95	6.08	6.14	1.14	1.23	1.9	1.8	
			17:29	8.4	1.0	25.70		8.06		30.40		82.10		6.19		1.32		1.6		
	15/9/2023	Fine	17:15	8.3	1.0	25.80	25.80	8.20	8.22	30.70	30.71	84.80	83.90	6.27	6.23	2.12	2.15	2.4	2.3	
			17:16	8.3	1.0	25.80		8.24		30.72		83.00		6.19		2.18		2.1		
	18/9/2023	Fine	9:03	8.5	1.0	26.40	26.50	8.20	8.21	29.94	29.95	81.80	81.70	6.14	6.13	2.61	2.57	3.2	3.2	
			9:04	8.5	1.0	26.60		8.21		29.96		81.60		6.12		2.52		3.1		
	20/9/2023	Fine	10:14	8.4	1.0	26.80	26.90	8.25	8.21	29.73	29.72	83.10	83.40	6.18	6.22	3.41	3.33	5.7	5.6	
			10:15	8.4	1.0	27.00		8.17		29.70		83.70		6.25		3.25		5.4		
	22/9/2023	Fine	15:44	8.7	1.0	26.70	26.75	8.20	8.22	30.18	30.19	83.70	84.15	6.15	6.17	2.56	2.43	4.2	4.3	
			15:45	8.7	1.0	26.80		8.23		30.20		84.60		6.19		2.30		4.4		
	25/9/2023	Fine	16:05	8.2	1.0	27.50	27.25	8.46	8.45	28.54	28.54	80.70	81.40	6.16	6.21	1.37	1.29	<1.0	1.0	
			16:06	8.2	1.0	27.00		8.43		28.53		82.10		6.25		1.20		<1.0		
	27/9/2023	Fine	16:50	8.7	1.0	26.90	26.95	8.24	8.25	31.00	30.94	84.50	84.05	6.25	6.22	1.61	1.73	1.6	1.8	
			16:51	8.7	1.0	27.00		8.25		30.87		83.60		6.19		1.85		1.9		
29/9/2023	Fine	17:45	8.5	1.0	27.60	27.70	-	8.28	-	31.65	84.00	83.70	6.25	6.22	4.95	5.06	6.0	5.8		
		17:46	8.5	1.0	27.80		-		-		83.40		6.19		5.17		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 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	1/9/2023	Typhoon Signal no. 8																			
	4/9/2023	Cloudy	14:14	8.6	4.3	24.10	24.05	8.05	8.05	34.33	34.33	89.70	89.00	6.13	6.15	7.02	7.07	8.4	8.5		
			14:15	8.6	4.3	24.00		8.04		34.32		89.30		6.16		7.11		8.5			
			15:56	8.7	4.4	25.00	25.10	8.09	8.09	33.95	33.96	84.30	83.55	6.28	6.23	2.27	2.32	3.2	3.0		
			15:57	8.7	4.4	25.20		8.09		33.96		82.80		6.17		2.36		2.8			
	8/9/2023	Black Rain																			
	WQM was cancelled due to adverse weather																				
	11/9/2023	Cloudy	11:02	8.5	4.3	24.90	24.90	8.08	8.07	30.87	30.89	82.10	81.40	6.09	6.04	1.17	1.09	2.5	2.7		
			11:03	8.5	4.3	24.90		8.06		30.90		80.70		5.98		1.01		2.5			
			12:28	8.7	4.4	25.40	25.45	8.05	8.05	30.45	30.43	83.50	83.80	6.19	6.21	1.27	1.26	3.3	3.4		
			12:29	8.7	4.4	25.50		8.04		30.41		84.10		6.22		1.24		3.5			
	15/9/2023	Fine	13:20	8.5	4.3	25.60	25.55	8.16	8.16	31.09	31.10	81.10	82.15	6.02	6.07	1.52	1.50	3.0	2.9		
			13:21	8.5	4.3	25.50		8.16		31.11		83.20		6.11		1.47		2.7			
	18/9/2023	Fine	13:09	8.7	4.4	26.10	26.05	8.16	8.16	31.01	31.01	83.00	83.50	6.18	6.20	3.72	3.64	5.6	5.7		
			13:10	8.7	4.4	26.90		8.16		31.01		84.00		6.21		3.56		5.3			
			14:14	8.6	4.3	26.40	26.45	8.25	8.24	30.02	30.03	82.10	82.30	6.19	6.20	3.47	3.59	4.9	4.7		
			14:15	8.6	4.3	26.50		8.23		30.04		82.50		6.21		3.71		4.5			
	22/9/2023	Fine	8:18	8.5	4.3	26.90	26.95	8.26	8.26	30.04	30.06	83.80	83.75	6.08	6.07	4.16	4.19	4.6	4.5		
			8:19	8.5	4.3	27.00		8.25		30.07		83.70		6.06		4.21		4.3			
			9:39	8.5	4.3	27.40	27.30	8.47	8.47	28.79	28.80	83.30	83.10	6.22	6.21	0.10	0.19	1.5	1.6		
			9:40	8.5	4.3	27.20		8.46		28.81		82.90		6.19		0.28		1.6			
	27/9/2023	Fine	11:20	8.7	4.4	27.00	27.05	8.21	8.21	30.98	30.94	82.00	82.30	6.14	6.16	2.14	2.22	2.5	2.7		
			11:21	8.7	4.4	27.10		8.21		30.90		82.60		6.17		2.30		2.9			
			12:29	8.8	4.4	27.70	27.75	8.27	8.28	31.63	31.62	83.40	83.80	6.19	6.22	5.04	5.12	4.2	4.3		
			12:30	8.8	4.4	27.80		8.29		31.61		84.20		6.25		5.19		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 °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	1/9/2023	Typhoon Signal no. 8																		
	4/9/2023	Cloudy	9:56	8.3	4.2	24.20	24.25	8.05	8.05	34.20	34.21	86.30	86.80	6.19	6.21	5.68	5.77	5.9	6.2	
			9:57	8.3	4.2	24.30		8.04		34.21		87.30		6.23		5.86		6.4		
	6/9/2023	Cloudy	11:57	8.5	4.3	24.90	24.90	8.05	8.05	33.86	33.87	83.40	82.80	6.20	6.16	2.89	2.87	2.4	2.5	
			11:58	8.5	4.3	24.90		8.05		33.87		82.20		6.12		2.85		2.6		
	8/9/2023	Black Rain																		
	WQM was cancelled due to adverse weather																			
	11/9/2023	Cloudy	14:59	8.3	4.2	24.90	24.95	8.06	8.07	30.98	30.99	83.90	83.95	6.12	6.14	1.78	1.80	2.0	2.2	
			15:00	8.3	4.2	25.00		8.08		30.99		84.00		6.15		1.82		2.4		
			17:32	8.4	4.2	25.60	25.50	8.06	8.06	30.56	30.55	81.50	81.40	6.07	6.06	2.06	1.94	2.2	2.4	
			17:33	8.4	4.2	25.40		8.05		30.55		81.30		6.05		1.82		2.5		
	15/9/2023	Fine	17:19	8.3	4.2	25.70	25.70	8.19	8.19	31.19	31.18	82.90	83.15	6.20	6.23	2.20	2.19	3.0	3.2	
			17:20	8.3	4.2	25.70		8.18		31.17		83.40		6.25		2.17		3.4		
	18/9/2023	Fine	9:07	8.5	4.3	26.20	26.20	8.19	8.19	31.01	31.01	84.20	84.25	6.25	6.27	3.12	3.23	3.5	3.4	
			9:08	8.5	4.3	26.20		8.19		31.01		84.30		6.28		3.33		3.3		
	20/9/2023	Fine	10:18	8.4	4.2	26.60	26.70	8.25	8.24	30.23	30.24	83.10	82.85	6.18	6.15	2.40	2.49	6.2	6.1	
			10:19	8.4	4.2	26.80		8.22		30.25		82.60		6.12		2.58		5.9		
			15:48	8.7	4.4	26.90	26.80	8.24	8.23	30.06	30.06	84.90	84.85	6.08	6.14	2.19	2.22	4.1	4.0	
			15:49	8.7	4.4	26.80		8.22		30.05		84.90		6.20		2.24		3.9		
	25/9/2023	Fine	16:09	8.2	4.1	27.00	27.05	8.46	8.47	28.73	28.74	80.50	80.35	6.12	6.11	1.19	1.23	4.9	4.8	
			16:10	8.2	4.1	27.10		8.48		28.74		80.20		6.10		1.27		4.6		
	27/9/2023	Fine	16:54	8.7	4.4	27.00	26.95	8.25	8.25	30.88	30.89	82.20	82.00	6.14	6.11	3.52	3.46	2.2	2.4	
			16:55	8.7	4.4	26.90		8.25		30.90		81.80		6.08		3.39		2.5		
	29/9/2023	Fine	17:49	8.5	4.3	28.00	27.95	-	8.26	-	31.62	83.90	83.25	6.23	6.20	5.84	5.80	5.2	5.0	
			17:50	8.5	4.3	27.90		8.26		31.62		82.60		6.16		5.75		4.8		

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 (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															
	1/9/2023	Typhoon Signal no. 8	WQM was cancelled due to adverse weather																		
	4/9/2023	Cloudy	14:17	8.6	7.6	23.80	23.85	8.02	8.03	34.34	34.35	89.00	89.00	6.14	6.14	7.80	7.74	14.7	14.6		
			14:18	8.6	7.6	23.90	8.03	8.03	34.36	89.00	6.14	7.68	14.4								
	6/9/2023	Cloudy	15:59	8.7	7.7	25.10	25.10	8.08	8.09	34.01	34.01	80.80	81.65	6.06	6.11	2.18	2.14	2.4	2.3		
			16:00	8.7	7.7	25.10	8.09	8.09	34.00	82.50	6.16	2.09	2.1								
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																		
	11/9/2023	Cloudy	11:05	8.5	7.5	25.10	25.05	8.06	8.06	31.00	31.01	81.60	81.20	6.06	6.01	3.32	3.29	1.8	1.9		
			11:06	8.5	7.5	25.00	8.06	8.06	31.01	80.80	5.96	3.25	1.9								
	13/9/2023	Fine	12:31	8.7	7.7	25.40	25.40	8.03	8.03	30.84	30.83	82.80	82.75	6.14	6.13	2.13	2.11	4.0	3.9		
			12:32	8.7	7.7	25.40	8.02	8.02	30.82	82.70	6.11	2.09	3.7								
	15/9/2023	Fine	13:23	8.5	7.5	25.58	25.59	8.14	8.13	31.31	31.30	80.80	80.50	5.94	5.92	1.85	1.73	2.5	2.4		
			13:24	8.5	7.5	25.60	8.12	8.12	31.29	80.20	5.90	1.60	2.2								
	18/9/2023	Fine	13:12	8.7	7.7	26.90	26.95	8.15	8.16	31.19	31.18	82.90	82.55	6.20	6.18	2.78	3.34	4.7	4.5		
			13:13	8.7	7.7	27.00	8.16	8.16	31.17	82.20	6.15	3.90	4.3								
	20/9/2023	Fine	14:17	8.6	7.6	26.40	26.50	8.20	8.22	30.27	30.26	82.10	81.95	6.19	6.18	3.26	3.23	6.6	6.4		
			14:18	8.6	7.6	26.60	8.24	8.22	30.24	81.80	6.16	3.20	6.1								
	22/9/2023	Fine	8:21	8.5	7.5	26.80	26.80	8.24	8.23	30.14	30.13	82.90	82.70	5.94	5.93	3.50	3.45	6.1	6.4		
			8:22	8.5	7.5	26.80	8.22	8.23	30.12	82.50	5.91	3.39	6.6								
	25/9/2023	Fine	9:42	8.5	7.5	27.30	27.40	8.48	8.48	28.81	28.81	81.30	81.75	6.09	6.11	0.52	0.45	2.4	2.3		
			9:43	8.5	7.5	27.50	8.48	8.48	28.81	82.20	6.13	0.37	2.2								
	27/9/2023	Fine	11:23	8.7	7.7	27.20	27.20	8.22	8.22	30.89	30.87	82.00	82.85	6.11	7.16	1.52	1.60	2.3	2.2		
			11:24	8.7	7.7	27.20	8.21	8.22	30.85	83.70	8.21	1.67	2.1								
	29/9/2023	Fine	12:32	8.8	7.8	27.70	27.60	8.24	8.25	31.62	31.63	83.10	82.95	6.20	6.19	5.25	5.46	5.8	5.6		
			12:33	8.8	7.8	27.50	8.25	8.25	31.64	82.80	6.17	5.66	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 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	
						WQM was cancelled due to adverse weather														
	1/9/2023	Typhoon Signal no. 8	WQM was cancelled due to adverse weather																	
	4/9/2023	Cloudy	9:59	8.3	7.3	24.10	24.05	8.03	8.02	34.22	34.24	84.90	84.95	6.20	6.21	7.02	7.00	4.8	5.0	
			10:00	8.3	7.3	24.00	8.00	8.00	34.25	85.00	6.22	6.98	5.3							
	6/9/2023	Cloudy	12:00	8.5	7.5	25.00	25.05	8.06	8.05	33.89	33.90	83.10	83.65	6.24	6.27	2.58	2.48	2.2	2.3	
			12:01	8.5	7.5	25.10	8.03	8.05	33.90	84.20	6.20	2.37	2.3							
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																	
	11/9/2023	Cloudy	15:02	8.3	7.3	24.80	24.70	8.03	8.05	32.59	32.63	84.60	84.15	6.21	6.18	5.11	5.05	3.2	3.4	
			15:03	8.3	7.3	24.60	8.07	8.05	32.66	83.70	6.15	4.99	3.5							
	13/9/2023	Fine	17:35	8.4	7.4	25.30	25.35	8.05	8.05	31.64	31.63	80.90	80.55	5.96	5.94	2.27	2.31	3.7	3.5	
			17:36	8.4	7.4	25.40	8.05	8.05	31.62	80.20	5.91	2.34	3.3							
	15/9/2023	Fine	17:22	8.3	7.3	25.80	25.85	8.13	8.13	31.46	31.47	82.60	82.80	6.15	6.17	2.27	2.33	4.5	4.3	
			17:23	8.3	7.3	25.90	8.13	8.13	31.48	83.00	6.19	2.39	4.0							
	18/9/2023	Fine	9:10	8.5	7.5	26.00	26.05	8.16	8.16	31.19	31.18	83.20	83.55	6.21	6.24	3.32	3.31	4.0	3.9	
			9:11	8.5	7.5	26.10	8.16	8.16	31.17	83.90	6.27	3.29	3.8							
	20/9/2023	Fine	10:21	8.4	7.4	26.40	26.55	8.17	8.18	30.42	30.44	82.00	82.20	6.10	6.12	3.26	3.22	7.0	6.8	
			10:22	8.4	7.4	26.70	8.19	8.19	30.46	82.40	6.14	3.17	6.6							
	22/9/2023	Fine	15:51	8.7	7.7	26.70	26.65	8.21	8.20	30.36	30.38	85.00	85.05	6.18	6.19	2.28	2.17	3.7	3.6	
			15:52	8.7	7.7	26.60	8.19	8.19	30.40	85.10	6.20	2.05	3.4							
	25/9/2023	Fine	16:12	8.2	7.2	27.10	27.20	8.50	8.50	28.75	28.76	79.40	78.75	5.99	5.94	1.33	1.28	5.2	5.3	
			16:13	8.2	7.2	27.30	8.49	8.49	28.77	78.10	5.89	1.23	5.4							
	27/9/2023	Fine	16:57	8.7	7.7	26.80	26.85	8.23	8.24	30.91	30.99	80.90	80.70	5.98	5.97	4.66	4.49	3.0	2.9	
			16:58	8.7	7.7	26.90	8.24	8.24	31.07	80.50	5.95	4.32	2.7							
	29/9/2023	Fine	17:52	8.5	7.5	27.80	27.80	8.24	8.24	31.63	31.63	81.60	81.65	6.08	6.09	6.91	6.97	4.5	4.3	
			17:53	8.5	7.5	-	-	-	-	81.70	6.10	7.02	4.1							

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 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
						WQM was cancelled due to adverse weather															
CF	1/9/2023	Typhoon Signal no. 8	WQM was cancelled due to adverse weather																		
	4/9/2023	Cloudy	15:31	8.7	1.0	24.60	24.55	8.00	8.01	33.84	33.83	89.40	89.35	6.13	6.13	3.35	3.32	8.1	8.5		
			15:32	8.7	1.0	24.50		8.02		33.82		89.30		6.12		3.28		8.8			
	6/9/2023	Cloudy	17:17	8.5	1.0	24.90	24.95	8.04	8.04	33.47	33.49	84.40	84.25	6.24	6.23	2.98	2.88	4.2	4.1		
			17:18	8.5	1.0	25.00		8.03		33.50		84.10		6.22		2.78		4.0			
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																		
	11/9/2023	Cloudy	9:30	8.6	1.0	24.90	24.95	7.81	7.83	30.52	30.51	84.70	84.80	6.24	6.26	2.21	2.20	2.4	2.6		
			9:31	8.6	1.0	25.00		7.85		30.50		84.90		6.27		2.19		2.8			
	13/9/2023	Fine	10:57	8.7	1.0	25.60	24.65	7.83	7.84	31.03	31.04	83.10	82.55	6.18	6.15	1.78	1.69	3.1	3.0		
			10:58	8.7	1.0	23.70		7.85		31.05		82.00		6.12		1.59		2.8			
	15/9/2023	Fine	11:49	8.5	1.0	25.70	25.75	8.02	8.02	31.42	31.41	83.30	83.15	6.23	6.22	2.95	2.85	5.5	5.3		
	18/9/2023	Fine	14:23	8.8	1.0	26.90	27.00	8.25	8.26	30.05	30.04	82.00	83.30	6.02	6.09	1.81	1.78	5.1	5.0		
			14:24	8.8	1.0	27.10		8.27		30.03		84.60		6.16		1.75		4.8			
	20/9/2023	Fine	15:28	8.7	1.0	27.60	27.55	8.37	8.36	27.90	27.91	81.90	81.95	6.12	6.13	1.76	1.81	4.2	4.0		
			15:29	8.7	1.0	27.50		8.35		27.92		82.00		6.13		1.85		3.8			
	22/9/2023	Fine	6:05	8.2	1.0	27.70	27.75	8.10	8.12	26.49	26.50	82.00	81.15	6.23	6.17	1.41	1.49	4.4	4.3		
			6:06	8.2	1.0	27.80		8.13		26.51		80.30		6.11		1.57		4.2			
	25/9/2023	Fine	8:08	8.5	1.0	27.60	27.50	8.25	8.25	29.73	29.72	84.80	84.25	6.27	6.24	2.52	2.45	3.0	2.9		
			8:09	8.5	1.0	27.40		8.25		29.70		83.70		6.20		2.38		2.8			
	27/9/2023	Fine	9:47	8.8	1.0	27.10	27.05	8.00	8.10	31.37	31.36	80.90	81.45	6.00	6.06	2.95	2.97	2.7	3.1		
			9:48	8.8	1.0	27.00		8.19		31.35		82.00		6.12		2.99		3.5			
29/9/2023	Fine	11:01	8.8	1.0	27.40	27.45	8.14	8.13	32.01	32.03	80.40	81.50	6.14	6.15	6.40	6.39	7.0	6.9			
		11:02	8.8	1.0	27.50		8.12		32.04		82.60		6.16		6.37		6.8				

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 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	
						WQM was cancelled due to adverse weather														
CF	1/9/2023	Typhoon Signal no. 8	WQM was cancelled due to adverse weather																	
	4/9/2023	Cloudy	8:15	8.2	1.0	24.00	24.10	7.59	7.77	34.17	34.19	84.80	84.70	6.19	6.20	5.62	5.61	2.7	2.7	
			8:16	8.2	1.0	24.20		7.94		34.20		84.80		6.21		5.60		2.7		
	6/9/2023	Cloudy	10:24	8.3	1.0	24.90	24.95	7.76	7.78	33.52	33.51	82.90	83.55	6.17	6.23	3.23	3.30	3.4	3.7	
			10:25	8.3	1.0	25.00		7.79		33.50		84.30		6.28		3.36		3.9		
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																	
	11/9/2023	Cloudy	16:13	8.2	1.0	25.00	25.05	8.08	8.08	30.18	30.19	85.90	85.45	6.24	6.21	0.58	0.64	<1.0	1.0	
			16:14	8.2	1.0	25.10		8.07		30.20		85.00		6.18		0.69		<1.0		
	13/9/2023	Fine	18:49	8.2	1.0	25.90	25.95	8.07	8.09	30.51	30.52	83.50	83.95	6.19	6.24	1.71	1.82	1.5	1.7	
			18:50	8.2	1.0	26.00		8.10		30.52		84.40		6.28		1.92		1.9		
	15/9/2023	Fine	18:32	8.1	1.0	26.00	25.90	8.20	8.19	30.78	30.77	84.80	84.00	6.21	6.18	2.25	2.13	3.2	3.3	
			18:33	8.1	1.0	25.80		8.18		30.76		83.20		6.14		2.00		3.4		
	18/9/2023	Fine	7:38	8.2	1.0	26.30	26.25	7.94	7.95	30.05	30.04	89.50	89.45	6.25	6.24	2.01	1.99	3.8	3.6	
			7:39	8.2	1.0	26.20		7.95		30.03		89.40		6.23		1.97		3.4		
	20/9/2023	Fine	8:47	8.4	1.0	27.00	27.10	8.03	8.04	27.08	27.08	82.10	82.45	6.19	6.20	2.58	2.53	6.4	6.6	
			8:48	8.4	1.0	27.20		8.05		27.08		82.80		6.21		2.47		6.5		
	22/9/2023	Fine	17:04	8.7	1.0	27.80	27.75	8.43	8.43	26.62	26.64	86.70	86.50	6.22	6.21	2.01	2.05	4.2	4.4	
			17:05	8.7	1.0	27.70		8.42		26.66		86.30		6.19		2.09		4.6		
	25/9/2023	Fine	17:23	8.1	1.0	27.50	27.40	8.40	8.38	29.56	29.57	89.40	90.35	6.22	6.25	1.24	1.21	2.6	2.8	
			17:24	8.1	1.0	27.30		8.36		29.58		91.30		6.27		1.17		3.0		
	27/9/2023	Fine	18:07	8.3	1.0	27.20	27.30	8.20	8.22	31.33	31.34	84.30	83.00	6.23	6.17	4.53	4.63	1.9	1.8	
18:08			8.3	1.0	27.40		8.23		31.34		81.70		6.10		4.73		1.7			
29/9/2023	Fine	19:01	8.4	1.0	27.60	27.70	8.25	8.25	31.60	31.61	84.40	84.25	6.28	6.25	5.23	5.19	4.5	4.3		
		19:02	8.4	1.0	27.80		8.24		31.62		84.10		6.22		5.14		4.1			

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 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
						WQM was cancelled due to adverse weather															
CF	1/9/2023	Typhoon Signal no. 8																			
	WQM was cancelled due to adverse weather																				
	4/9/2023	Cloudy	15:35	8.7	4.4	24.60	24.50	8.08	8.09	33.93	33.94	91.30	90.35	6.27	6.23	3.58	3.65	7.3	7.4		
			15:36	8.7	4.4	24.40		8.10		33.95		89.40		6.19		3.71		7.4			
			17:21	8.5	4.3	24.20	24.45	8.05	8.05	33.77	33.76	84.00	83.10	6.25	6.19	2.49	2.55	3.7	3.6		
	6/9/2023	Cloudy	17:22	8.5	4.3	24.70		8.04		33.75		82.20		6.12		2.61		3.4			
			WQM was cancelled due to adverse weather																		
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																		
	11/9/2023	Cloudy	9:34	8.6	4.3	24.80	24.85	7.84	7.85	30.43	30.44	82.10	83.35	6.19	6.24	2.00	1.89	1.9	1.9		
			9:35	8.6	4.3	24.90		7.86		30.45		84.60		6.28		1.77		1.8			
	13/9/2023	Fine	11:01	8.7	4.4	25.40	25.40	7.86	7.86	31.34	31.34	83.30	83.50	6.22	6.24	1.87	1.83	3.3	3.4		
			11:02	8.7	4.4	25.40		7.86		31.33		83.70		6.25		1.79		3.5			
	15/9/2023	Fine	11:53	8.5	4.3	25.80	25.70	8.03	8.03	31.64	31.65	82.70	83.10	6.19	6.21	3.56	3.59	4.5	4.7		
			11:54	8.5	4.3	25.60		8.03		31.65		83.50		6.23		3.61		4.8			
	18/9/2023	Fine	14:27	8.8	4.4	26.80	26.75	8.24	8.24	30.04	30.04	84.70	84.65	6.16	6.15	1.48	1.60	4.1	4.4		
			14:28	8.8	4.4	26.70		8.24		30.04		84.60		6.15		1.72		4.5			
	20/9/2023	Fine	15:32	8.7	4.4	27.50	27.45	8.38	8.38	28.21	28.21	83.70	83.40	6.24	6.21	2.01	1.96	3.2	3.4		
			15:33	8.7	4.4	27.40		8.38		28.20		83.10		6.18		1.90		3.6			
			6:09	8.2	4.1	27.80	27.80	8.19	8.19	28.06	28.07	82.60	81.90	6.23	6.20	1.37	1.31	3.4	3.2		
	22/9/2023	Fine	6:10	8.2	4.1	27.80		8.19		28.08		81.20		6.17		1.24		3.0			
			8:12	8.5	4.3	27.30	27.30	8.24	8.24	29.91	29.90	82.90	83.55	6.19	6.21	1.97	1.99	2.3	2.4		
	25/9/2023	Fine	8:13	8.5	4.3	27.30		8.24		29.89		84.20		6.23		2.00		2.5			
			9:51	8.8	4.4	27.00	27.00	8.00	8.01	31.43	31.44	83.10	83.00	6.18	6.17	4.98	5.03	3.3	3.2		
27/9/2023	Fine	9:52	8.8	4.4	27.00		8.01		31.44		82.90		6.16		5.07		3.0				
		11:05	8.8	4.4	27.40	27.35	8.12	8.14	32.00	32.01	80.50	81.20	6.17	6.16	6.32	6.34	6.2	6.4			
29/9/2023	Fine	11:06	8.8	4.4	27.30		8.15		32.01		81.90		6.14		6.35		6.5				

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) - 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	1/9/2023	Typhoon Signal no. 8																		
	WQM was cancelled due to adverse weather																			
	4/9/2023	Cloudy	8:19	8.2	4.1	23.90	23.85	7.68	7.83	34.27	34.27	83.70	84.15	6.15	6.19	7.19	7.27	2.8	3.2	
			8:20	8.2	4.1	23.80		7.97		34.27		84.60		6.22		7.34		3.6		
	6/9/2023	Cloudy	10:28	8.3	4.2	24.70	24.70	7.80	7.80	33.62	33.62	81.60	82.60	6.12	6.19	2.60	2.62	3.1	3.0	
			10:29	8.3	4.2	24.70		7.80		33.61		83.60		6.26		2.64		2.8		
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																	
	11/9/2023	Cloudy	16:17	8.2	4.1	25.00	24.95	8.08	8.08	30.19	30.18	80.20	80.35	6.08	6.09	0.75	0.69	1.4	1.6	
			16:18	8.2	4.1	24.90		8.08		30.17		80.50		6.10		0.62		1.8		
	13/9/2023	Fine	18:53	8.2	4.1	25.90	25.90	8.07	8.06	30.97	30.98	84.10	83.90	6.22	6.21	2.25	2.20	3.1	3.0	
			18:54	8.2	4.1	25.70		8.05		30.99		83.50		6.19		2.14		2.8		
	15/9/2023	Fine	18:36	8.1	4.1	25.70	25.70	8.17	8.21	31.20	31.21	82.60	83.15	6.16	6.21	1.89	2.03	2.6	2.8	
			18:37	8.1	4.1	25.70		8.25		31.22		83.70		6.25		2.17		2.9		
	18/9/2023	Fine	7:42	8.2	4.1	26.00	26.05	7.97	7.97	30.04	30.04	88.20	88.40	6.10	6.12	2.75	2.81	4.9	5.1	
			7:43	8.2	4.1	26.10		7.97		30.04		88.60		6.13		2.86		5.2		
	20/9/2023	Fine	8:51	8.4	4.2	27.40	27.30	8.11	8.10	27.76	27.77	81.80	81.65	6.18	6.18	1.57	1.59	3.2	3.3	
			8:52	8.4	4.2	27.20		8.09		27.77		81.50		6.17		1.61		3.4		
	22/9/2023	Fine	17:08	8.7	4.4	27.60	27.60	8.43	8.43	26.63	26.62	85.20	85.15	6.17	6.16	2.27	2.33	3.5	3.4	
			17:09	8.7	4.4	27.60		8.42		26.61		85.10		6.15		2.38		3.3		
	25/9/2023	Fine	17:27	8.1	4.1	27.10	27.05	8.36	8.36	29.50	29.49	88.40	88.85	6.13	6.17	1.09	1.03	3.6	3.4	
			17:28	8.1	4.1	27.00		8.35		29.48		89.30		6.21		0.96		3.2		
	27/9/2023	Fine	18:11	8.3	4.2	27.00	27.00	8.21	8.21	31.21	31.20	83.30	83.05	6.16	6.14	3.95	3.83	2.4	2.6	
			18:12	8.3	4.2	27.00		8.21		31.18		82.80		6.11		3.71		2.8		
29/9/2023	Fine	19:05	8.4	4.2	27.20	27.30	8.23	8.23	31.70	31.70	83.90	83.50	6.21	6.18	7.17	7.27	4.5	4.4		
		19:06	8.4	4.2	27.40		8.23		31.69		83.10		6.15		7.36		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	1/9/2023	Typhoon Signal no. 8	WQM was cancelled due to adverse weather																		
	4/9/2023	Cloudy	15:38	8.7	7.7	24.40	24.55	8.00	8.02	34.01	34.01	86.50	87.20	6.13	6.18	3.98	3.92	4.2	4.5		
			15:39	8.7	7.7	24.70	24.55	8.03	8.03	34.00	34.00	87.90	87.20	6.23	6.18	3.86	3.92	4.5	4.5		
			17:24	8.5	7.5	24.50	24.55	8.05	8.05	33.99	33.98	82.80	83.15	6.14	6.17	3.22	3.17	2.7	2.5		
	6/9/2023	Cloudy	17:25	8.5	7.5	24.60	24.55	8.04	8.04	33.97	33.97	83.50	83.15	6.19	6.17	3.12	3.12	2.3	2.3		
			WQM was cancelled due to adverse weather																		
			WQM was cancelled due to adverse weather																		
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																		
			11/9/2023	Cloudy	9:37	8.6	7.6	24.90	24.95	7.86	7.87	31.30	31.32	84.90	84.75	6.24	6.23	2.58	2.53	1.6	1.5
					9:38	8.6	7.6	25.00	24.95	7.88	7.88	31.33	31.32	84.60	84.75	6.22	6.23	2.47	2.53	1.4	1.5
	11:04	8.7			7.7	25.50	25.45	7.88	7.88	31.44	31.43	83.10	83.15	6.18	6.18	1.70	1.77	4.0	3.9		
	13/9/2023	Fine	11:05	8.7	7.7	25.40	25.45	7.87	7.88	31.41	31.43	83.20	83.15	6.18	6.18	1.83	1.77	3.7	3.9		
			15/9/2023	Fine	11:56	8.5	7.5	25.70	25.65	8.05	8.04	31.84	31.85	82.60	82.25	6.16	6.10	2.95	2.84	3.3	3.4
			11:57		8.5	7.5	25.60	25.65	8.03	8.03	31.85	31.85	81.90	82.25	6.04	6.10	2.72	2.84	3.5	3.4	
	18/9/2023	Fine	14:30		8.8	7.8	26.50	26.50	8.22	8.24	30.83	30.82	83.60	83.65	6.09	6.10	2.37	2.43	3.4	3.2	
	14:31		8.8	7.8	26.50	26.50	8.25	8.25	30.81	30.82	83.70	83.65	6.10	6.10	2.49	2.43	3.0	3.2			
	15:35		8.7	7.7	27.10	27.20	8.35	8.35	28.58	28.58	83.50	82.70	6.26	6.20	1.80	1.88	3.0	3.0			
	20/9/2023	Fine	15:36	8.7	7.7	27.30	27.20	8.37	8.36	28.56	28.57	81.90	82.70	6.14	6.20	1.95	1.88	3.0	3.0		
			6:12	8.2	7.2	27.80	27.85	8.22	8.21	28.27	28.27	81.70	81.50	6.22	6.19	1.64	1.80	2.2	2.4		
			6:13	8.2	7.2	27.90	27.85	8.20	8.21	28.27	28.27	81.30	81.50	6.15	6.19	1.95	1.80	2.6	2.4		
	25/9/2023	Fine	8:15	8.5	7.5	27.10	27.20	8.26	8.27	29.89	29.89	82.80	82.95	6.16	6.17	1.56	1.62	1.7	1.8		
			8:16	8.5	7.5	27.30	27.20	8.27	8.27	29.89	29.89	83.10	82.95	6.18	6.17	1.68	1.62	1.9	1.8		
			9:54	8.8	7.8	27.00	27.10	8.04	8.02	31.26	31.25	80.10	80.35	5.95	5.97	4.66	4.54	4.1	4.0		
	27/9/2023	Fine	9:55	8.8	7.8	27.20	27.10	8.00	8.00	31.24	31.25	80.60	80.35	5.98	5.97	4.42	4.54	3.8	3.7		
11:08			8.8	7.8	27.20	27.20	8.16	8.16	32.01	32.01	83.70	83.15	6.32	6.32	6.23	6.14	5.8	5.9			
11:09			8.8	7.8	27.20	27.20	8.16	8.16	32.01	32.01	82.60	83.15	6.31	6.32	6.05	6.14	6.0	5.9			

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 (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															
CF	1/9/2023	Typhoon Signal no. 8	WQM was cancelled due to adverse weather																		
	4/9/2023	Cloudy	8:22	8.2	7.2	23.80	23.90	7.98	7.89	34.30	34.29	84.40	84.50	6.18	6.20	7.60	7.49	3.0	3.5		
			8:23	8.2	7.2	23.80	23.90	7.79	7.89	34.28	34.29	84.60	84.50	6.21	6.20	7.38	7.49	4.0	3.5		
			10:31	8.3	7.3	24.70	24.60	7.83	7.83	33.64	33.63	82.50	81.65	6.16	6.11	2.65	2.62	2.3	2.4		
	6/9/2023	Cloudy	10:32	8.3	7.3	24.50	24.60	7.82	7.83	33.62	33.63	80.80	81.65	6.06	6.11	2.58	2.62	2.5	2.4		
			WQM was cancelled due to adverse weather																		
			WQM was cancelled due to adverse weather																		
	8/9/2023	Black Rain	WQM was cancelled due to adverse weather																		
			11/9/2023	Cloudy	16:20	8.2	7.2	24.80	24.90	8.06	8.07	30.70	30.71	79.60	79.95	5.94	5.97	1.33	1.31	2.1	2.3
					16:21	8.2	7.2	25.00	24.90	8.07	8.07	30.71	30.71	80.30	79.95	5.99	5.97	1.29	1.31	2.4	2.3
	18:56	8.2			7.2	25.60	25.65	8.04	8.05	31.12	31.11	83.30	83.00	6.16	6.13	2.57	2.48	4.2	4.4		
	13/9/2023	Fine	18:57	8.2	7.2	25.70	25.65	8.05	8.05	31.10	31.10	82.70	83.00	6.09	6.09	2.39	2.48	4.6	4.6		
			18:39	8.1	7.1	25.70	25.65	8.17	8.17	31.30	31.30	84.80	84.50	6.27	6.25	2.64	2.69	2.4	2.2		
			18:40	8.1	7.1	25.60	25.65	8.16	8.16	31.29	31.30	84.20	84.50	6.23	6.25	2.73	2.69	2.0	2.2		
	18/9/2023	Fine	7:45	8.2	7.2	25.80	25.80	7.98	7.99	30.83	30.82	88.60	88.20	6.13	6.10	2.63	2.69	6.1	6.4		
			7:46	8.2	7.2	25.80	25.80	7.99	7.99	30.81	30.82	87.80	88.20	6.07	6.10	2.75	2.69	6.6	6.4		
			8:54	8.4	7.4	27.30	27.40	8.14	8.15	28.04	28.04	80.30	80.70	6.07	6.10	1.34	1.32	2.6	2.8		
	20/9/2023	Fine	8:55	8.4	7.4	27.50	27.40	8.15	8.15	28.03	28.03	81.10	80.70	6.12	6.10	1.29	1.32	2.9	2.8		
			17:11	8.7	7.7	27.80	27.70	8.44	8.44	27.30	27.30	84.60	83.75	6.09	6.03	1.61	1.55	2.6	2.9		
			17:12	8.7	7.7	27.60	27.70	8.43	8.44	27.30	27.30	82.90	83.75	5.96	6.03	1.49	1.55	3.1	2.9		
	25/9/2023	Fine	17:30	8.1	7.1	26.90	26.85	8.36	8.36	29.52	29.51	81.70	81.05	5.89	5.85	1.12	1.19	4.5	4.8		
			17:31	8.1	7.1	26.80	26.85	8.36	8.36	29.50	29.50	80.40	81.05	5.81	5.85	1.25	1.19	5.0	4.8		
			18:14	8.3	7.3	26.90	26.85	8.21	8.22	31.23	31.22	81.60	81.35	6.04	6.02	2.58	2.63	3.8	3.7		
	27/9/2023	Fine	18:15	8.3	7.3	26.80	26.85	8.23	8.23	31.20	31.22	81.10	81.35	5.99	6.02	2.67	2.63	3.5	3.7		
19:08			8.4	7.4	27.50	27.60	8.22	8.22	31.79	31.79	82.40	81.85	6.14	6.11	7.04	7.03	5.4	5.2			
19:09			8.4	7.4	27.70	27.60	8.22	8.22	31.79	31.79	81.20	81.85	6.13	6.11	7.02	7.03	5.0	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 (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															
SR4	3/10/2023	Fine	14:56	3.6	1.0	28.00	28.00	8.23	8.23	31.73	31.73	83.40	83.90	6.12	6.16	3.85	3.92	3.6	3.1		
			14:57	3.6	1.0	28.00	28.00	8.22	8.23	31.73	31.73	84.40	83.90	6.20	6.16	3.99	3.92	2.6	3.1		
			15:41	3.4	1.0	27.90	27.90	8.20	8.20	31.91	31.91	84.80	84.50	6.21	6.19	2.76	2.86	3.3	3.5		
	5/10/2023	Fine	15:42	3.4	1.0	27.90	27.90	8.10	8.15	31.90	31.91	84.20	84.50	6.17	6.19	2.95	2.86	3.6	3.5		
	7/10/2023		Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																	
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																		
	11/10/2023	Cloudy	17:30	3.2	1.0	25.40	25.50	8.06	8.06	32.30	32.30	84.90	84.70	6.20	6.19	10.60	10.43	5.0	4.9		
			17:31	3.2	1.0	25.60	25.50	8.05	8.06	32.30	32.30	84.50	84.70	6.18	6.19	10.26	10.43	4.7	4.9		
	13/10/2023	Fine	11:39	3.7	1.0	25.20	25.25	8.03	8.03	32.43	32.43	82.40	82.90	6.19	6.21	11.62	11.56	-	-		
			11:40	3.7	1.0	25.30	25.25	8.03	8.03	32.43	32.43	83.40	82.90	6.22	6.21	11.49	11.56	-	-		
	16/10/2023	Cloudy	13:44	3.6	1.0	25.20	25.20	8.11	8.12	32.37	32.37	84.20	84.05	6.25	6.23	9.60	9.56	6.8	6.9		
			13:45	3.6	1.0	25.20	25.20	8.11	8.12	32.36	32.37	83.90	84.05	6.20	6.23	9.52	9.56	7.0	6.9		
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																		
	20/10/2023	Cloudy	15:59	3.6	1.0	24.80	24.75	8.09	8.09	32.60	32.60	84.40	84.35	6.19	6.19	13.49	13.56	12.3	12.1		
			16:00	3.5	1.0	24.70	24.75	8.08	8.09	32.57	32.59	84.30	84.35	6.19	6.19	13.63	13.56	11.8	12.1		
	23/10/2023	Fine	7:49	3.3	1.0	23.70	23.75	7.90	7.90	32.81	32.81	81.80	82.85	6.08	6.14	13.20	13.65	12.8	13.0		
			7:50	3.3	1.0	23.80	23.75	7.89	7.90	32.82	32.82	83.90	82.85	6.20	6.14	14.10	13.65	13.1	13.0		
	25/10/2023	Cloudy	9:11	3.2	1.0	24.60	24.65	8.03	8.03	33.30	33.30	84.80	83.90	6.27	6.23	9.95	9.97	6.8	6.6		
			9:12	3.2	1.0	24.70	24.65	8.03	8.03	33.29	33.30	83.00	83.90	6.19	6.23	9.99	9.97	6.4	6.6		
	27/10/2023	Cloudy	10:49	3.8	1.0	24.90	24.85	8.07	8.08	33.41	33.42	85.70	85.30	6.24	6.21	5.18	5.13	4.2	4.0		
			10:50	3.8	1.0	24.80	24.85	8.08	8.08	33.42	33.42	84.90	85.30	6.17	6.21	5.07	5.13	3.8	4.0		
	30/10/2023	Cloudy	12:49	3.7	1.0	26.68	26.70	8.22	8.26	29.94	30.12	105.30	105.25	7.13	7.12	4.48	4.86	5.9	6.0		
			12:50	3.7	1.0	26.72	26.70	8.29	8.26	30.30	30.12	105.20	105.25	7.11	7.12	5.23	4.86	6.0	6.0		

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
						WQM was cancelled due to adverse weather															
SR4	3/10/2023	Fine	8:57	3.3	1.0	28.60	28.55	8.32	8.26	31.80	31.80	84.50	83.55	6.28	6.24	5.25	5.13	2.3	2.4		
			8:58	3.3	1.0	28.50	28.55	8.19	8.21	31.80	31.80	82.60	83.55	6.19	6.24	5.01	5.13	2.5	2.4		
			10:45	3.1	1.0	27.50	27.60	8.21	8.21	32.14	32.13	81.80	82.25	6.18	6.24	5.19	5.10	3.8	3.6		
	5/10/2023	Fine	10:46	3.1	1.0	27.70	27.60	8.20	8.21	32.12	32.13	82.70	82.25	6.29	6.24	5.01	5.10	3.4	3.6		
	7/10/2023		Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																	
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																		
	11/10/2023	Cloudy	10:12	3.6	1.0	25.20	25.10	8.04	8.04	32.07	32.04	83.80	82.70	6.26	6.19	6.30	6.38	8.4	8.3		
			10:13	3.6	1.0	25.00	25.10	8.04	8.04	32.01	32.04	81.60	82.70	6.12	6.19	6.45	6.38	8.1	8.3		
	13/10/2023	Fine	17:59	3.3	1.0	25.50	25.50	8.12	8.13	32.54	32.54	86.70	86.50	6.22	6.21	8.16	8.11	-	-		
			18:00	3.3	1.0	25.50	25.50	8.13	8.13	32.53	32.54	86.30	86.50	6.19	6.21	8.05	8.11	-	-		
	16/10/2023	Cloudy	7:28	3.3	1.0	25.00	25.10	8.02	8.03	32.49	32.50	83.50	82.85	6.19	6.15	7.15	7.18	9.8	9.7		
			7:29	3.3	1.0	25.20	25.10	8.04	8.04	32.50	32.50	82.20	82.85	6.11	6.15	7.21	7.18	9.5	9.7		
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																		
	20/10/2023	Cloudy	10:38	3.3	1.0	24.70	24.65	8.05	8.05	32.76	32.75	82.10	81.80	6.19	6.18	14.10	14.16	11.6	11.4		
			10:39	3.3	1.0	24.60	24.65	8.04	8.05	32.74	32.75	81.50	81.80	6.17	6.18	14.22	14.16	11.1	11.4		
	23/10/2023	Fine	17:37	3.2	1.0	24.00	23.90	7.96	7.97	33.18	33.17	82.80	83.15	6.14	6.17	13.01	13.03	13.7	13.5		
			17:38	3.2	1.0	23.80	23.90	7.97	7.97	33.16	33.17	83.50	83.15	6.19	6.17	13.05	13.03	13.2	13.5		
	25/10/2023	Cloudy	16:34	3.6	1.0	24.90	24.85	8.05	8.06	33.34	33.35	82.70	81.40	6.16	6.12	8.60	8.66	6.1	5.9		
			16:35	3.6	1.0	24.80	24.85	8.06	8.06	33.35	33.35	80.10	81.40	6.07	6.12	8.72	8.66	5.7	5.9		
	27/10/2023	Cloudy	18:37	3.2	1.0	25.00	25.10	8.08	8.08	33.39	33.40	84.20	84.15	6.25	6.25	7.18	7.29	4.6	4.5		
			18:38	3.2	1.0	25.20	25.10	8.08	8.08	33.41	33.40	84.10	84.15	6.24	6.25	7.39	7.29	4.4	4.5		
	30/10/2023	Cloudy	18:55	3.3	1.0	26.85	26.84	8.30	8.31	30.13	30.29	101.70	101.65	6.86	6.86	3.17	3.04	4.9	5.0		
			18:56	3.3	1.0	26.82	26.84	8.32	8.31	30.44	30.29	101.60	101.65	6.85	6.86	2.90	3.04	5.0	5.0		

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 (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
						3/10/2023	Fine	14:58	3.6	2.6	28.20	28.15	8.23	8.23	31.79	31.79	82.60	82.40	6.13	6.13	5.24
5/10/2023	Fine	14:59	3.6	2.6	28.10	27.95	8.23	8.24	31.78	32.07	82.20	84.60	6.12	6.19	5.25	3.51	3.9	4.4			
		15:43	3.4	2.4	28.00	27.90	8.24	8.23	32.07	32.00	84.60	84.90	6.19	6.20	3.51	3.43	4.4	4.0			
7/10/2023	Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																			
9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																			
11/10/2023	Cloudy	17:32	3.2	2.2	25.30	25.35	8.05	8.06	32.29	32.30	86.00	84.90	6.21	6.20	8.13	8.19	6.8	6.8			
		17:33	3.2	2.2	25.40	25.30	8.06	8.03	32.30	32.54	84.80	83.35	6.18	6.21	8.25	10.58	6.8	-			
13/10/2023	Fine	11:41	3.7	2.7	25.20	25.30	8.02	8.03	32.54	32.54	84.10	83.35	6.26	6.21	10.52	10.63	-	-			
		11:42	3.7	2.7	25.40	25.30	8.03	8.11	32.53	32.61	82.60	81.60	6.16	6.08	10.63	8.01	-	7.0			
16/10/2023	Cloudy	13:46	0.0	2.6	25.30	25.35	8.11	8.11	32.60	32.61	81.60	82.35	6.08	6.13	8.01	8.04	7.0	7.0			
18/10/2023	Strong Monsoon Signal	13:47	3.6	2.6	25.40	25.35	8.10	8.11	32.61	32.61	83.10	82.35	6.18	6.13	8.06	8.04	7.0	7.0			
		WQM was cancelled due to adverse weather																			
20/10/2023	Cloudy	16:01	3.5	2.5	24.80	24.85	8.09	8.08	32.66	32.66	84.60	83.80	6.24	6.19	12.11	12.16	10.1	9.7			
		16:02	3.5	2.5	24.90	24.85	8.08	8.08	32.65	32.66	83.00	83.80	6.13	6.19	12.20	12.16	9.2	9.7			
23/10/2023	Fine	7:51	3.3	2.3	23.80	23.80	7.90	7.91	32.68	32.82	83.10	83.25	6.16	6.18	15.20	15.15	12.3	12.1			
		7:52	3.3	2.3	-	23.80	7.91	7.91	32.96	32.82	83.40	83.25	6.19	6.18	15.10	15.15	11.8	12.1			
25/10/2023	Cloudy	9:13	3.2	2.2	24.60	24.65	8.30	8.17	32.91	32.92	84.20	83.80	6.23	6.19	9.48	9.53	7.2	7.5			
		9:14	3.2	2.2	24.70	24.65	8.03	8.17	32.93	32.92	83.40	83.80	6.15	6.19	9.57	9.53	7.7	7.5			
27/10/2023	Cloudy	10:51	3.8	2.8	24.70	24.70	8.09	8.09	33.40	33.41	81.30	81.75	6.04	6.06	5.18	5.27	3.1	2.9			
		10:52	3.8	2.8	24.70	24.70	8.08	8.09	33.42	33.41	82.20	81.75	6.08	6.06	5.37	5.27	2.7	2.9			
30/10/2023	Cloudy	12:51	3.7	2.7	26.86	26.85	8.29	8.31	30.34	30.50	104.60	104.95	7.05	7.09	4.48	4.56	5.6	5.8			
		12:52	3.7	2.7	26.83	26.85	8.32	8.31	30.65	30.50	105.30	104.95	7.13	7.09	4.64	4.56	5.9	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 (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
						3/10/2023	Fine	8:59	3.3	2.3	28.20	28.20	8.18	8.19	31.85	31.84	82.00	82.55	6.20
5/10/2023	Fine	9:00	3.3	2.3	28.20	27.70	8.19	8.21	31.83	32.13	83.10	82.25	6.24	6.20	4.67	3.19	3.4	2.9	
		10:47	3.1	2.1	27.70	27.70	8.21	8.21	32.11	32.13	81.20	82.25	6.16	6.23	3.11	3.27	2.7	3.0	
7/10/2023	Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																	
9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																	
11/10/2023	Cloudy	10:14	3.6	2.6	25.00	25.05	8.04	8.04	31.46	31.46	83.10	83.25	6.17	6.18	7.32	7.25	6.5	6.7	
		10:15	3.6	2.6	25.10	25.05	8.03	8.12	31.46	32.52	83.40	82.05	6.19	6.13	7.18	8.10	6.8	-	
13/10/2023	Fine	18:01	3.3	2.3	25.60	25.65	8.12	8.12	32.52	32.51	81.20	82.05	6.07	6.13	8.09	8.10	-	-	
		18:02	3.3	2.3	25.70	25.65	8.12	8.04	32.50	32.54	82.90	83.00	6.19	6.23	8.11	8.48	-	8.5	
16/10/2023	Cloudy	7:30	3.3	2.3	25.00	25.10	8.04	8.04	32.54	32.54	83.00	82.90	6.23	6.22	8.59	8.48	8.5	8.8	
		7:31	3.3	2.3	25.20	25.10	8.04	8.04	32.54	32.54	83.00	82.90	6.23	6.22	8.37	8.48	9.0	8.8	
18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																	
20/10/2023	Cloudy	10:40	3.3	2.3	24.80	24.75	8.04	8.04	32.81	32.80	83.00	82.90	6.23	6.22	19.05	18.52	12.3	12.7	
		10:41	3.3	2.3	24.70	24.75	8.03	8.04	32.79	32.80	82.80	82.90	6.21	6.22	17.99	18.52	13.1	12.7	
23/10/2023	Fine	17:39	3.2	2.2	23.90	23.90	7.99	7.98	33.17	33.16	83.90	83.85	6.21	6.21	14.71	14.77	15.1	14.8	
		17:40	3.2	2.2	23.90	23.90	7.97	7.98	33.14	33.16	83.80	83.85	6.21	6.21	14.82	14.77	14.5	14.8	
25/10/2023	Cloudy	16:36	3.6	2.6	24.90	24.90	8.05	8.06	33.32	33.33	83.00	82.05	6.27	6.20	8.46	8.53	7.1	7.0	
		16:37	3.6	2.6	24.90	24.90	8.07	8.06	33.34	33.33	81.10	82.05	6.12	6.20	8.59	8.53	6.8	7.0	
27/10/2023	Cloudy	18:39	3.2	2.2	24.80	24.80	8.08	8.08	33.38	33.39	84.30	84.20	6.19	6.19	6.60	6.73	5.0	5.2	
		18:40	3.2	2.2	24.80	24.80	8.07	8.08	33.40	33.39	84.10	84.20	6.18	6.19	6.85	6.73	5.4	5.2	
30/10/2023	Cloudy	18:57	3.3	2.3	26.87	26.87	8.30	8.30	30.01	30.14	94.40	94.60	6.37	6.38	3.80	3.86	4.6	4.4	
		18:58	3.3	2.3	26.86	26.87	8.30	8.30	30.26	30.14	94.80	94.60	6.39	6.38	3.92	3.86	4.2	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 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	3/10/2023	Fine	14:47	4.1	1.0	28.00	28.05	8.24	8.24	31.70	31.71	81.60	81.85	6.08	6.09	5.57	4.60	4.0	3.8		
			14:48	4.1	1.0	28.10														8.24	31.71
	5/10/2023	Fine	15:33	4.2	1.0	27.90	27.90	8.24	8.23	31.93	31.93	83.10	82.55	6.12	6.07	4.04	4.08	3.5	3.4		
			15:34	4.2	1.0	27.90														8.24	31.92
	7/10/2023	Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																		
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																		
	11/10/2023	Cloudy	17:22	3.6	1.0	25.40	25.40	8.08	8.07	32.25	32.26	84.70	84.85	6.16	6.17	7.04	7.08	7.5	7.4		
			17:23	3.6	1.0	25.40														8.06	32.26
	13/10/2023	Fine	11:52	4.1	1.0	-	25.40	8.05	8.05	32.57	32.56	83.80	82.70	6.26	6.19	10.00	10.09	-	-		
			11:53	4.1	1.0	25.40														8.04	32.55
	16/10/2023	Cloudy	13:36	0.0	1.0	25.20	25.20	8.10	8.10	32.65	32.66	83.10	83.25	6.18	6.19	7.99	7.92	6.5	6.7		
			13:37	4.0	1.0	25.20														8.10	32.67
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																		
	20/10/2023	Cloudy	15:59	4.1	1.0	24.70	24.80	8.06	8.07	32.59	32.60	83.40	83.80	6.19	6.22	12.19	12.15	12.2	11.6		
			15:51	4.1	1.0	24.90														8.07	32.61
	23/10/2023	Fine	8:02	3.9	1.0	23.60	23.60	7.93	7.93	33.05	33.03	84.20	83.65	6.25	6.22	12.85	12.28	10.6	10.4		
			8:03	3.9	1.0	23.60														7.92	33.01
	25/10/2023	Cloudy	9:23	3.8	1.0	24.90	24.80	8.01	8.02	33.34	33.35	84.80	84.65	6.27	6.25	10.98	11.00	6.0	5.9		
			9:24	3.8	1.0	24.70														8.03	33.36
	27/10/2023	Cloudy	11:03	4.2	1.0	24.80	24.85	8.08	8.08	33.37	33.37	84.10	84.25	6.18	6.19	5.82	5.66	2.4	2.3		
			11:04	4.2	1.0	24.90														8.07	33.36
	30/10/2023	Cloudy	12:58	3.9	1.0	26.92	26.91	8.34	8.28	30.47	30.47	103.70	104.05	6.97	7.00	4.18	4.18	5.7	5.8		
			12:59	3.9	1.0	26.90														8.21	30.46

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	3/10/2023	Fine	9:10	3.8	1.0	28.20	28.30	8.20	8.20	31.75	31.75	84.20	83.80	6.25	6.23	4.72	4.64	2.7	3.1						
			9:11	3.8	1.0	28.40														8.20	31.75	83.40	6.20	4.56	3.4
			10:57	3.9	1.0	27.80														8.20	32.09	80.10	6.07	3.77	2.6
	5/10/2023	Fine	10:58	3.9	1.0	27.80	27.80	8.22	8.21	32.07	32.08	80.60	80.35	6.11	6.09	3.84	3.81	2.9	2.8						
	7/10/2023	Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																						
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																						
	11/10/2023	Cloudy	10:24	4.0	1.0	25.00	25.05	8.05	8.04	31.68	31.67	83.50	83.90	6.18	6.21	7.76	7.80	5.9	6.1						
			10:25	4.0	1.0	25.10														8.03	31.66	84.10	6.24	7.84	6.2
	13/10/2023	Fine	17:51	3.7	1.0	25.30	25.40	8.08	8.09	32.45	32.46	84.00	83.85	6.18	6.16	10.27	10.34	-	-						
			17:52	3.7	1.0	25.50														8.10	32.46	83.70	6.14	10.40	8.2
	16/10/2023	Cloudy	7:42	3.8	1.0	25.00	25.00	8.04	8.05	32.50	32.51	84.40	84.25	6.28	6.25	9.07	9.14	8.2	8.1						
			7:43	3.8	1.0	25.00														8.04	32.52	84.10	6.22	9.21	8.0
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																						
	20/10/2023	Cloudy	10:50	3.7	1.0	24.70	24.70	8.05	8.05	32.72	32.72	83.50	83.05	6.25	6.22	14.21	14.20	10.0	9.9						
			10:51	3.7	1.0	24.70														8.05	32.72	82.60	6.19	14.19	9.7
	23/10/2023	Fine	17:29	3.7	1.0	23.80	23.85	7.98	7.99	33.17	33.17	83.40	82.55	6.20	6.18	12.89	12.95	16.6	16.3						
			17:30	3.7	1.0	23.90														7.99	33.17	81.70	6.15	13.01	16.0
	25/10/2023	Cloudy	16:26	4.1	1.0	24.50	24.60	8.06	8.05	33.28	33.29	84.20	84.05	6.25	6.23	6.69	6.63	4.2	4.4						
			16:27	4.1	1.0	24.70														8.04	33.30	83.90	6.20	6.56	4.5
	27/10/2023	Cloudy	18:29	3.7	1.0	24.90	24.80	8.12	8.11	33.28	33.30	81.20	81.80	6.06	6.10	4.30	4.23	3.3	3.2						
			18:30	3.7	1.0	24.70														8.09	33.31	82.40	6.13	4.16	3.1
	30/10/2023	Cloudy	18:46	3.7	1.0	26.84	26.80	8.35	8.36	30.25	26.08	91.50	91.00	6.17	6.14	3.33	3.32	4.7	4.9						
18:47			3.7	1.0	26.76	8.36														21.90	90.50	6.11	3.30	5.0	

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 (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				
SR5	3/10/2023	Fine	14:50	4.1	3.1	28.20		8.24		31.79		83.40		6.20		4.52		4.0		3.7					
			14:51	4.1	3.1	28.20		8.22		31.79		84.50		6.28		4.60		3.4							
			15:36	4.2	3.2	27.90		8.22		31.96		84.90		6.21		3.99		2.4							
	5/10/2023	Fine	15:37	4.2	3.2	27.80		8.23		31.97		84.90		6.20		4.17		2.1		2.3					
			WQM was cancelled due to adverse weather																						
	7/10/2023	Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																						
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																						
	11/10/2023	Cloudy	17:24	3.6	2.6	25.50		25.40		8.08		32.31		85.90		6.16		10.00		9.94		5.6	5.5		
			17:25	3.6	2.6	25.30				8.08		32.30		85.50		6.12		9.87				5.4			
	13/10/2023	Fine	11:55	4.1	3.1	25.50		25.55		8.02		32.54		82.55		6.21		6.16		11.49		11.56		-	-
			11:56	4.1	3.0	25.60				8.02		32.55		81.90		6.11		11.63		11.63				-	
	16/10/2023	Cloudy	13:39	0.0	3.0	25.30		25.30		8.12		32.60		84.50		6.20		6.24		8.37		8.43		8.3	8.6
			13:40	4.0	3.0	25.30				8.11		32.61		85.20		6.27		8.48						8.8	
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																						
	20/10/2023	Cloudy	15:53	4.1	3.1	24.80		24.75		8.10		32.65		81.40		6.09		6.10		12.96		12.99		10.0	10.3
			15:54	4.1	3.1	24.70				8.09		32.66		81.60		6.11		13.01		12.99				10.6	
	23/10/2023	Fine	8:04	3.9	2.9	24.00		23.95		7.93		32.98		82.50		6.12		6.16		13.30		13.48		14.3	14.1
			8:05	3.9	2.9	23.90				7.93		32.96		83.90		6.20		13.65		13.65				13.8	
	25/10/2023	Cloudy	9:25	3.8	2.8	24.80		24.85		8.01		33.37		84.00		6.20		6.24		11.63		11.64		7.8	7.6
			9:26	3.8	2.8	24.90				8.01		33.37		84.80		6.27		11.64		11.64				7.4	
	27/10/2023	Cloudy	11:06	4.2	3.2	24.80		24.85		8.09		33.40		81.60		6.02		6.04		4.18		4.30		2.8	3.0
			11:07	4.2	3.2	24.90				8.10		33.38		82.00		6.06		6.04		4.42		4.30		3.1	
	30/10/2023	Cloudy	13:00	3.9	2.9	26.92		26.91		8.28		30.52		93.60		6.30		6.24		4.66		4.67		5.7	5.8
			13:01	3.9	2.9	26.89				8.25		30.32		92.10		6.18		4.68		4.68				5.9	

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				
SR5	3/10/2023	Fine	9:12	3.8	2.8	28.30		28.30		8.18		31.82		83.10		6.21		5.16		2.7		3.3			
			9:13	3.8	2.8	28.30				8.18		31.84		83.70		6.24		5.23		3.9					
			10:59	3.9	2.9	27.80		27.75		8.23		32.19		82.60		6.18		3.41		3.52			3.5		
	5/10/2023	Fine	11:00	3.9	2.9	27.70				8.21		32.21		83.10		6.21		3.62		3.52		3.9	3.7		
			WQM was cancelled due to adverse weather																						
	7/10/2023	Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																						
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																						
	11/10/2023	Cloudy	10:27	4.0	3.0	25.30		25.30		8.03		32.11		83.40		6.21		6.16		8.72		8.68		7.4	7.6
			10:28	4.0	3.0	25.30				8.05		32.09		82.75		6.10		8.63		8.63				7.8	
	13/10/2023	Fine	17:53	3.7	2.7	25.30		25.30		8.11		32.44		80.30		6.02		6.06		9.38		9.41		-	-
			17:54	3.7	2.7	25.30				8.09		32.44		81.20		6.10		9.44		9.44				-	
	16/10/2023	Cloudy	7:44	3.8	2.8	25.20		25.47		8.06		32.36		83.50		6.19		6.17		9.45		9.47		8.8	9.0
			7:45	3.8	2.8	25.74				8.07		32.35		82.80		6.14		9.48		9.48				9.1	
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																						
	20/10/2023	Cloudy	10:52	3.7	2.7	24.80		24.85		8.02		32.81		83.00		6.20		6.20		17.02		17.09		12.8	12.4
			10:53	3.7	2.7	24.90				8.04		32.80		82.80		6.19		17.15		17.15				12.0	
	23/10/2023	Fine	17:31	3.7	2.7	23.90		23.90		7.96		33.09		83.40		6.14		6.15		17.23		17.16		13.8	13.7
			17:32	3.7	2.7	23.90				7.95		33.08		83.60		6.15		17.09		17.16				13.5	
	25/10/2023	Cloudy	16:29	4.1	3.1	24.70		24.75		8.04		33.38		81.20		6.04		6.12		8.09		8.13		6.2	6.5
			16:30	4.1	3.1	24.80				8.06		33.40		84.40		6.19		8.17		8.17				6.7	
	27/10/2023	Cloudy	18:31	3.7	2.7	25.00		24.90		8.10		33.30		84.40		6.19		6.15		4.29		4.31		2.8	2.7
			18:32	3.7	2.7	24.80				8.09		33.32		83.20		6.11		4.32		4.32				2.5	
	30/10/2023	Cloudy	18:48	3.7	2.7	26.86		26.88		8.34		30.33		90.40		6.09		6.11		4.30		4.33		5.4	5.1
			18:49	3.7	2.7	26.89				8.34		30.54		91.10		6.13		4.35		4.35				4.8	

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 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	3/10/2023	Fine	14:39	2.8	1.4	28.20	28.20	8.25	8.25	31.70	31.71	81.60	82.50	6.20	6.14	5.79	5.69	4.4	4.4	4.4												
			14:40	2.9	1.4	28.20															8.25	8.25	31.71	31.71	81.60	82.50	6.08	6.14	5.58	5.69	4.3	4.3
			15:24	2.7	1.4	28.00															8.20	8.21	31.86	31.87	84.60	84.15	6.19	6.17	3.07	3.18	3.7	3.4
	5/10/2023	Fine	15:25	2.7	1.4	28.10	8.22	8.21	31.87	31.87	83.70	84.15	6.14	6.17	3.28	3.18	3.4	3.4	3.6													
	7/10/2023		Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																												
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																													
	11/10/2023	Cloudy	17:13	2.4	1.2	25.60	25.60	8.07	8.07	32.26	32.27	84.20	84.50	6.23	6.25	9.32	9.40	5.6	5.6	5.5												
			17:14	2.4	1.2	25.60															8.06	8.06	32.27	32.27	84.80	84.50	6.27	6.25	9.48	9.40	5.3	5.3
	13/10/2023	Fine	12:02	2.6	1.3	25.70	25.65	8.04	8.03	32.52	32.53	84.20	83.90	6.26	6.23	10.60	10.54	-	-	-												
			12:03	2.6	1.4	25.60															8.02	8.02	32.53	32.53	83.60	83.90	6.20	6.23	10.47	10.54	-	-
	16/10/2023	Cloudy	13:27	0.0	1.4	25.40	25.35	8.10	8.11	32.47	32.46	83.70	83.30	6.14	6.12	8.45	8.52	6.8	6.8	6.7												
			13:28	2.8	1.4	25.30															8.11	8.11	32.45	32.46	82.90	83.30	6.09	6.12	8.59	8.52	6.6	6.6
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																													
	20/10/2023	Cloudy	15:42	2.7	1.4	24.80	24.80	8.07	8.08	32.70	32.69	89.50	80.45	6.17	6.17	11.82	11.73	10.8	10.8	10.6												
			15:43	2.7	1.4	24.80															8.09	8.09	32.68	32.69	80.40	80.45	6.16	6.17	11.63	11.73	10.3	10.3
	23/10/2023	Fine	8:12	2.5	1.3	22.90	22.85	7.92	7.93	32.90	32.89	83.20	83.10	6.21	6.20	11.12	11.19	9.8	9.8	9.9												
			8:13	2.5	1.3	22.80															7.94	7.93	32.88	32.89	83.00	83.10	6.19	6.20	11.25	11.19	9.8	9.8
	25/10/2023	Cloudy	9:33	2.3	1.2	24.80	24.75	8.02	8.03	33.32	33.34	84.40	83.65	6.20	6.17	8.60	8.45	4.8	4.8	4.6												
			9:34	2.3	1.2	24.70															8.03	8.03	33.35	33.34	82.90	83.65	6.13	6.17	8.30	8.45	4.4	4.4
	27/10/2023	Cloudy	11:13	2.7	1.4	24.90	24.90	8.07	8.08	33.39	33.39	84.10	84.35	6.22	6.23	6.24	6.20	3.0	3.0	3.2												
			11:14	2.7	1.4	24.90															8.08	8.08	33.39	33.39	84.60	84.35	6.24	6.23	6.16	6.20	3.3	3.3
	30/10/2023	Cloudy	13:07	2.5	1.3	26.93	26.92	8.57	8.51	30.48	30.38	104.00	103.90	7.00	7.00	3.69	3.59	5.2	5.2	5.6												
			13:08	2.5	1.3	26.91															8.45	8.45	30.27	30.27	103.80	103.90	6.99	7.00	3.48	3.59	6.0	6.0

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) - 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	3/10/2023	Fine	9:20	2.5	1.3	28.50	28.55	8.21	8.21	31.70	31.69	81.60	82.06	6.12	6.14	5.42	5.36	3.5	3.7	3.7												
			9:21	2.5	1.3	28.60															8.20	8.21	31.70	31.69	81.60	82.06	6.16	6.14	5.30	5.36	3.9	3.9
			11:08	2.3	1.2	27.70															8.22	8.22	32.07	32.08	82.00	82.30	6.12	6.14	4.95	4.84	2.2	2.3
	5/10/2023	Fine	11:09	2.3	1.2	27.80	27.75	8.21	8.22	32.09	32.08	82.60	82.30	6.16	6.14	4.72	4.84	2.3	2.3	2.3												
	7/10/2023		Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																												
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																													
	11/10/2023	Cloudy	10:34	2.7	1.4	25.40	25.35	8.05	8.05	31.38	31.39	83.40	82.90	6.18	6.15	6.64	6.72	7.0	7.0	6.9												
			10:35	2.7	1.4	25.30															8.05	8.05	31.40	31.39	82.40	82.90	6.12	6.15	6.80	6.72	6.7	6.7
	13/10/2023	Fine	17:42	2.3	1.2	25.40	25.40	8.09	8.09	32.55	32.54	82.00	83.05	6.02	6.09	9.88	9.94	-	-	-												
			17:43	2.3	1.2	25.40															8.09	8.09	32.53	32.54	84.10	83.05	6.15	6.09	10.00	9.94	-	-
	16/10/2023	Cloudy	7:53	2.5	1.3	25.00	25.05	8.08	8.07	32.48	32.48	83.40	83.75	6.22	6.20	6.88	6.81	7.0	7.4	7.2												
			7:54	2.5	1.3	25.10															8.06	8.06	32.48	32.48	84.10	83.75	6.18	6.20	6.73	6.81	7.4	7.4
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																													
	20/10/2023	Cloudy	11:00	2.4	1.2	24.80	24.85	8.06	8.06	32.74	32.73	80.20	81.50	6.07	6.14	13.01	12.99	9.1	9.1	9.4												
			11:01	2.4	1.2	24.90															8.05	8.05	32.72	32.73	82.80	81.50	6.20	6.14	12.97	12.99	9.6	9.6
	23/10/2023	Fine	17:20	2.3	1.2	24.00	24.05	7.98	7.98	33.07	33.08	84.10	84.05	6.18	6.18	10.53	10.57	13.5	13.5	13.9												
			17:21	2.3	1.2	24.10															7.98	7.98	33.08	33.08	84.00	84.05	6.17	6.18	10.60	10.57	14.3	14.3
	25/10/2023	Cloudy	16:17	2.7	1.4	24.60	24.65	8.04	8.05	33.36	33.36	83.30	83.00	6.26	6.23	6.45	6.52	4.4	4.4	4.4												
			16:18	2.7	1.4	24.70															8.05	8.05	33.35	33.36	82.70	83.00	6.19	6.23	6.59	6.52	4.3	4.3
	27/10/2023	Cloudy	18:20	2.3	1.2	24.80	24.80	8.09	8.09	33.33	33.33	83.00	83.15	6.19	6.21	5.22	5.31	3.6	3.6	3.4												
			18:21	2.3	1.2	24.80															8.09	8.09	33.33	33.33	83.30	83.15	6.23	6.21	5.39	5.31	3.6	3.6
	30/10/2023	Cloudy	18:37	2.3	1.2	27.08	27.12	8.45	8.46	30.38	30.38	89.40	90.05	6.00	6.05	3.23	3.66	5.1	5.1	5.6												
			18:38	2.3	1.2	27.15															8.46	8.46	30.38	30.38	90.70	90.05	6.10	6.05	4.08	3.66	6.0	6.0

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 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
						WQM was cancelled due to adverse weather															
SR9	3/10/2023	Fine	14:26	4.2	1.0	28.40		8.20		31.79		83.80		6.26		4.73		4.2		4.5	
			14:27	4.2	1.0	28.50	28.45	8.21	8.21	31.79	31.79	81.60	82.70	6.12	6.19	4.81	4.73	4.5		4.5	
			15:11	4.1	1.0	27.60	27.55	8.10	8.12	32.34	32.34	83.10	82.95	6.18	6.16	6.22	6.15	4.3		4.4	
	5/10/2023	Fine	15:12	4.1	1.0	27.50		8.13		32.33		82.80		6.14		6.07		4.5		4.4	
	7/10/2023		Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																	
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																		
	11/10/2023	Cloudy	10:47	4.1	1.0	25.40	25.35	8.09	8.09	32.22	32.21	82.70	83.35	6.18	6.21	10.61	10.59	6.9		6.7	
			10:48	4.1	1.0	25.30		8.09		32.20		84.00		6.23		10.57		6.5		6.5	
	13/10/2023	Fine	12:16	4.0	1.0	25.50	25.60	8.04	8.03	32.27	32.27	82.70	82.60	6.18	6.17	10.60	10.50	-		-	
			12:17	4.0	1.0	25.70		8.02		32.27		82.50		6.15		10.39		-		-	
	16/10/2023	Cloudy	13:13	4.0	1.0	25.30	25.40	8.19	8.18	32.64	32.65	84.00	84.25	6.20	6.22	8.53	8.56	9.2		9.3	
			13:14	4.0	1.0	25.50		8.17		32.65		84.50		6.23		8.59		9.4		9.4	
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																		
	20/10/2023	Cloudy	15:29	4.3	1.0	24.90	24.75	8.11	8.10	32.41	32.40	83.00	83.15	6.24	6.25	18.68	18.58	16.2		16.6	
			15:30	4.3	1.0	24.60		8.09		32.39		83.30		6.26		18.47		16.9		16.9	
	23/10/2023	Fine	8:26	4.0	1.0	24.00	23.90	7.99	8.00	33.05	33.07	84.00	83.80	6.20	6.18	11.68	11.60	11.6		11.5	
			8:27	4.0	1.0	23.80		8.00		33.08		83.60		6.15		11.52		11.3		11.3	
	25/10/2023	Cloudy	9:46	4.0	1.0	24.70	24.80	8.07	8.08	33.47	33.49	83.10	83.40	6.18	6.21	6.90	6.98	4.6		4.6	
			9:47	4.0	1.0	24.90		8.08		33.50		83.70		6.24		7.05		4.5		4.5	
	27/10/2023	Cloudy	11:28	4.3	1.0	25.00	24.95	8.10	8.10	33.39	33.40	83.90	83.70	6.19	6.18	5.67	5.82	3.6		3.4	
			11:29	4.3	1.0	24.90		8.09		33.41		83.50		6.16		5.97		3.2		3.2	
	30/10/2023	Cloudy	13:22	4.0	1.0	27.13	27.14	8.31	8.31	30.43	30.24	91.50	90.85	6.13	6.09	5.55	5.53	6.8		7.0	
			13:23	4.0	1.0	27.15		8.31		30.04		90.20		6.04		5.50		7.1		7.1	

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 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		
						WQM was cancelled due to adverse weather															
SR9	3/10/2023	Fine	9:33	4.0	1.0	28.10	28.10	8.21	8.21	31.89	31.90	81.10	82.35	6.08	6.14	4.63	4.68	4.8		4.5	
			9:34	4.0	1.0	28.10		8.20		31.90		83.60		6.20		4.72		4.2		4.2	
			11:21	3.8	1.0	27.50	27.60	8.13	8.14	32.42	32.42	82.10	82.40	6.11	6.14	9.15	9.09	4.3		4.2	
	5/10/2023	Fine	11:22	3.8	1.0	27.70		8.15		32.41		82.70		6.16		9.02		4.0		4.0	
	7/10/2023		Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																	
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																		
	11/10/2023	Cloudy	17:00	3.7	1.0	25.00	25.20	8.10	8.11	32.17	32.16	83.20	84.00	6.14	6.18	9.60	9.57	8.4		8.3	
			17:01	3.7	1.0	25.40		8.11		32.15		84.80		6.21		9.53		8.1		8.1	
	13/10/2023	Fine	17:28	3.7	1.0	25.10	25.20	8.02	8.03	32.35	32.37	84.00	84.15	6.15	6.17	9.98	10.12	-		-	
			17:29	3.7	1.0	25.30		8.04		32.38		84.30		6.19		10.26		-		-	
	16/10/2023	Cloudy	8:09	3.7	1.0	25.20	25.30	8.14	8.15	32.60	32.61	84.00	83.40	6.20	6.22	9.57	9.62	9.6		9.5	
			8:10	3.7	1.0	25.40		8.16		32.61		82.80		6.24		9.66		9.4		9.4	
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																		
	20/10/2023	Cloudy	11:13	4.0	1.0	24.70	24.65	8.08	8.08	32.49	32.51	84.80	83.85	6.27	6.24	20.76	20.82	17.3		17.5	
			11:14	4.0	1.0	24.60		8.07		32.52		82.90		6.20		20.87		17.6		17.6	
	23/10/2023	Fine	17:07	3.8	1.0	24.10	24.00	8.04	8.03	33.09	33.09	84.40	83.95	6.21	6.19	14.17	14.22	10.8		11.1	
			17:08	3.8	1.0	23.90		8.01		33.08		83.50		6.17		14.26		11.3		11.3	
	25/10/2023	Cloudy	16:04	4.2	1.0	25.00	24.90	8.08	8.07	33.51	33.50	83.70	83.20	6.24	6.19	8.07	8.16	5.3		5.6	
			16:05	4.2	1.0	24.80		8.06		33.49		82.70		6.14		8.25		5.8		5.8	
	27/10/2023	Cloudy	18:06	3.8	1.0	24.80	24.90	8.11	8.10	33.40	33.41	85.90	86.75	6.18	6.21	5.17	5.11	2.7		2.8	
			18:06	3.8	1.0	25.00		8.09		33.42		87.60		6.24		5.05		2.9		2.9	
	30/10/2023	Cloudy	18:22	3.7	1.0	27.14	27.13	8.30	8.30	30.08	30.24	93.80	93.80	6.48	6.46	4.73	5.00	6.6		6.6	
			18:23	3.7	1.0	27.12		8.40		30.39		92.80		6.43		5.26		6.6		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 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
						WQM was cancelled due to adverse weather															
SR9	3/10/2023	Fine	14:29	4.2	3.2	28.00	28.10	8.19	8.20	31.90	31.89	83.70	82.75	6.27	6.21	7.74	7.61	8.2	8.5		
			14:30	4.2	3.2	28.20	8.19	8.20	31.90	81.80	6.14	7.48	8.7								
			15:14	4.1	3.1	27.30	8.10	8.11	32.60	32.59	85.00	84.90	6.21	6.18	10.01	9.82	9.5	9.6			
	5/10/2023	Fine	15:15	4.1	3.1	27.20	8.12	8.11	32.58	32.58	84.80	84.90	6.18	6.20	9.62	9.62	9.4	9.6			
			WQM was cancelled due to adverse weather																		
			WQM was cancelled due to adverse weather																		
	7/10/2023	Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																		
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																		
	11/10/2023	Cloudy	10:50	4.1	3.1	25.20	25.25	8.09	8.10	32.21	32.21	81.60	82.50	6.08	6.14	11.32	11.36	7.7	7.5		
			10:51	4.1	3.1	25.30	8.10	8.10	32.21	32.21	83.40	84.10	6.19	6.14	11.40	11.36	7.3	7.5			
	13/10/2023	Fine	12:19	4.0	3.0	25.40	25.40	8.03	8.03	32.40	32.41	84.00	84.10	6.23	6.24	13.00	12.93	-	-		
			12:20	4.0	3.0	25.40	8.03	8.03	32.41	32.41	84.20	84.10	6.25	6.24	12.85	12.93	-	-			
	16/10/2023	Cloudy	13:16	4.0	3.0	25.40	25.40	8.18	8.18	32.75	32.75	81.80	81.90	6.18	6.19	8.75	8.67	8.2	8.5		
			13:17	4.0	3.0	25.40	8.18	8.18	32.74	32.74	82.00	82.00	6.19	6.19	8.59	8.67	8.8	8.5			
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																		
	20/10/2023	Cloudy	15:32	4.3	3.3	24.90	24.80	8.09	8.09	32.68	32.68	84.90	84.50	6.18	6.16	21.59	21.73	20.6	19.9		
			15:33	4.3	3.3	24.70	8.08	8.09	32.67	32.68	84.10	84.50	6.14	6.16	21.87	21.73	19.1	19.9			
	23/10/2023	Fine	8:29	4.0	3.0	24.30	24.25	8.03	8.02	33.08	33.08	84.50	84.15	6.23	6.21	14.22	14.16	13.0	12.6		
			8:30	4.0	3.0	24.20	8.00	8.02	33.08	33.08	83.80	84.15	6.19	6.21	14.09	14.16	12.2	12.6			
	25/10/2023	Cloudy	9:49	4.0	3.0	24.80	24.80	8.07	8.07	33.50	33.50	82.90	82.45	6.19	6.16	10.31	10.46	5.8	5.6		
			9:50	4.0	3.0	24.80	8.07	8.07	33.49	33.50	82.00	82.45	6.12	6.16	10.60	10.46	5.4	5.6			
	27/10/2023	Cloudy	11:31	4.3	3.3	24.80	24.80	8.08	8.08	33.44	33.43	81.80	81.25	6.10	6.06	3.86	3.79	2.9	2.8		
			11:32	4.3	3.3	24.80	8.08	8.08	33.42	33.43	80.70	81.25	6.01	6.06	3.72	3.79	2.6	2.8			
30/10/2023	Cloudy	13:25	4.0	3.0	27.10	27.09	8.44	8.45	30.42	30.43	93.10	92.95	6.47	6.46	5.03	5.27	7.6	7.7			
		13:26	4.0	3.0	27.08	8.45	8.45	30.43	30.43	92.80	92.95	6.45	6.46	5.51	5.27	7.7	7.7				

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 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	
						WQM was cancelled due to adverse weather														
SR9	3/10/2023	Fine	9:36	4.0	3.0	28.40	28.40	8.21	8.20	31.93	31.93	84.20	83.70	6.25	6.23	6.17	6.10	8.2	7.9	
			9:37	4.0	3.0	28.40	8.19	8.20	31.93	31.93	83.20	83.70	6.21	6.23	6.02	6.10	7.6	7.9		
			11:23	3.8	2.8	27.50	27.45	8.08	8.09	32.60	32.61	81.10	80.60	6.12	6.10	10.09	10.63	4.7	4.9	
	5/10/2023	Fine	11:24	3.8	2.8	27.40	27.45	8.10	8.09	32.62	32.61	80.10	80.60	6.07	6.10	11.16	11.16	5.0	4.9	
			WQM was cancelled due to adverse weather																	
			WQM was cancelled due to adverse weather																	
	7/10/2023	Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																	
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																	
	11/10/2023	Cloudy	17:02	3.7	2.7	25.30	25.30	8.09	8.10	32.22	32.21	82.90	83.85	6.13	6.17	9.89	10.25	7.6	7.8	
			17:03	3.7	2.7	25.30	8.11	8.10	32.20	32.21	84.80	83.85	6.21	6.17	10.60	10.25	7.9	7.8		
	13/10/2023	Fine	17:30	3.7	2.7	25.20	25.25	8.03	8.03	32.41	32.43	83.90	83.80	6.12	6.12	11.02	10.95	-	-	
			17:31	3.7	2.7	25.30	8.03	8.03	32.44	32.44	83.70	83.80	6.11	6.11	10.87	10.95	-	-		
	16/10/2023	Cloudy	8:11	3.7	2.7	25.50	25.40	8.17	8.18	32.71	32.70	84.40	83.70	6.21	6.19	8.55	8.43	7.9	8.0	
			8:12	3.7	2.7	25.30	8.18	8.18	32.69	32.70	83.00	83.70	6.17	6.19	8.31	8.43	8.0	8.0		
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																	
	20/10/2023	Cloudy	11:16	4.0	3.0	24.70	24.70	8.08	8.08	32.65	32.66	84.20	84.50	6.23	6.25	25.93	26.02	21.8	22.2	
			11:17	4.0	3.0	24.70	8.08	8.08	32.67	32.66	84.80	84.50	6.27	6.25	26.11	26.02	22.5	22.2		
	23/10/2023	Fine	17:09	3.8	2.8	23.90	23.95	8.02	8.03	33.11	33.13	82.80	82.90	6.19	6.20	13.67	13.63	12.0	12.3	
			17:10	3.8	2.8	24.00	8.04	8.03	33.14	33.13	83.00	82.90	6.20	6.20	13.58	13.63	12.6	12.3		
	25/10/2023	Cloudy	16:07	4.2	3.2	24.70	24.70	8.08	8.08	33.50	33.51	81.90	82.40	6.13	6.16	6.22	6.17	6.2	6.4	
			16:08	4.2	3.2	24.70	8.08	8.08	33.51	33.51	82.90	82.40	6.19	6.16	6.11	6.17	6.6	6.4		
	27/10/2023	Cloudy	18:07	3.8	2.8	25.00	24.95	8.11	8.10	33.38	33.39	83.30	83.70	6.14	6.20	4.90	4.97	3.1	3.2	
			18:08	3.8	2.8	24.90	8.09	8.10	33.40	33.39	84.10	83.70	6.26	6.20	5.03	4.97	3.2	3.2		
30/10/2023	Cloudy	18:24	3.7	2.7	27.22	27.24	8.44	8.46	30.57	30.77	90.30	90.00	6.34	6.32	4.27	4.24	7.3	7.3		
		18:25	3.7	2.7	27.25	8.48	8.48	30.97	30.97	89.70	90.00	6.29	6.32	4.20	4.24	7.2	7.3			

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 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	3/10/2023	Fine	14:17	2.7	1.4	28.10	28.05	8.15	8.16	31.89	31.89	82.90	83.25	6.17	6.20	6.19	6.38	6.29	5.9	6.0										
			14:18	2.7	1.4	28.00															8.16	8.16	31.89	31.89	83.70	6.22	6.38	6.29	5.9	6.0
			15:03	2.6	1.3	27.50															8.10	8.09	32.27	32.28	83.40	6.12	6.12	7.47	7.40	9.3
	5/10/2023	Fine	15:04	2.6	1.3	27.40	8.08	8.09	32.28	32.28	83.30	6.12	6.12	7.32	7.40	9.0	9.2													
			WQM was cancelled due to adverse weather																											
			WQM was cancelled due to adverse weather																											
	7/10/2023	Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																											
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																											
	11/10/2023	Cloudy	10:57	2.6	1.3	25.00	24.90	8.11	8.10	32.20	32.20	83.90	83.65	6.24	6.22	8.87	8.80	7.7	7.3	7.5	7.5									
			10:58	2.6	1.3	24.80																8.09	8.09	32.20	32.20	83.40	6.20	6.22	8.72	8.80
	13/10/2023	Fine	12:25	2.7	1.4	25.60	25.50	8.08	8.08	32.59	32.58	81.60	82.10	6.08	6.11	12.85	12.71	-	-	-	-									
			12:26	2.7	1.4	25.40																8.07	8.07	32.57	32.58	82.60	6.13	6.11	12.57	12.71
	16/10/2023	Cloudy	13:04	0.0	1.4	25.20	25.25	8.18	8.19	32.60	32.62	82.80	82.15	6.21	6.19	4.25	4.19	3.1	2.8	3.0	3.0									
			13:05	2.7	1.4	25.30																8.19	8.19	32.63	32.62	81.50	6.17	6.19	4.13	4.19
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																											
	20/10/2023	Cloudy	15:20	2.6	1.3	24.90	24.85	8.10	8.10	32.62	32.61	83.30	83.50	6.23	6.24	19.28	19.18	17.0	16.3	16.7	16.7									
			15:21	2.6	1.3	24.80																8.09	8.09	32.60	32.61	83.70	6.25	6.24	19.07	19.18
	23/10/2023	Fine	8:35	2.4	1.2	23.90	24.00	8.03	8.03	33.01	33.03	81.80	82.40	6.18	6.23	13.10	13.00	11.0	10.5	10.8	10.8									
			8:36	2.4	1.2	24.10																8.02	8.03	33.04	33.03	83.00	6.27	6.23	12.89	13.00
	25/10/2023	Cloudy	9:55	2.5	1.3	24.80	24.85	8.07	8.08	33.45	33.44	82.00	82.55	6.12	6.15	12.00	11.82	6.5	6.9	6.7	6.7									
9:56			2.5	1.3	24.90	8.09																8.08	33.42	33.44	83.10	6.18	6.15	11.63	11.82	6.9
27/10/2023	Cloudy	11:37	2.8	1.4	25.20	25.10	8.09	8.10	33.48	33.47	83.40	83.40	6.18	6.18	4.29	4.35	3.1	2.9	3.0	3.0										
		11:38	2.8	1.4	25.00																8.10	8.10	33.46	33.47	83.40	6.17	6.18	4.41	4.35	2.9
30/10/2023	Cloudy	13:31	2.6	1.3	27.32	27.34	8.32	8.32	30.15	30.34	99.10	99.25	6.63	6.64	4.14	4.15	5.2	4.4	4.8	4.8										
		13:32	2.6	1.3	27.35																8.32	8.32	30.52	30.34	99.40	6.64	6.64	4.16	4.15	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 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	3/10/2023	Fine	9:42	2.5	1.3	28.30	28.20	8.13	8.14	31.83	31.84	83.10	82.50	6.24	6.18	5.53	5.58	5.4	4.3	4.9											
			9:43	2.5	1.3	28.10															8.14	8.14	31.84	31.84	81.90	6.11	6.18	5.62	5.58	4.3	4.9
			11:29	2.3	1.2	27.20															8.09	8.10	32.34	32.35	81.90	6.13	6.16	9.48	9.38	6.9	6.8
	5/10/2023	Fine	11:30	2.3	1.2	27.40	8.10	8.10	32.35	32.35	83.10	82.50	6.18	6.16	9.28	9.38	6.6	6.8													
			WQM was cancelled due to adverse weather																												
			WQM was cancelled due to adverse weather																												
	7/10/2023	Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																												
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																												
	11/10/2023	Cloudy	16:51	2.4	1.2	25.00	25.10	8.11	8.11	32.08	32.10	84.00	84.20	6.20	6.21	10.00	10.11	7.8	7.4	7.6	7.6										
			16:52	2.4	1.2	25.20																8.10	8.10	32.11	32.11	84.40	6.22	6.21	10.21	10.11	7.4
	13/10/2023	Fine	17:20	2.3	1.2	25.60	25.70	8.06	8.08	32.56	32.56	82.00	82.35	6.02	6.07	11.17	11.10	-	-	-	-										
			17:21	2.3	1.2	25.80																8.09	8.09	32.56	32.56	82.70	6.12	6.07	11.02	11.10	-
	16/10/2023	Cloudy	8:19	2.4	1.2	25.40	25.45	8.18	8.18	32.58	32.59	83.60	83.30	6.19	6.17	4.38	4.48	2.9	3.2	3.1	3.1										
			8:20	2.4	1.2	25.50																8.18	8.18	32.60	32.59	83.00	6.15	6.17	4.57	4.48	3.2
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																												
	20/10/2023	Cloudy	11:22	2.4	1.2	24.80	24.70	8.08	8.09	32.57	32.57	83.20	84.00	6.14	6.18	19.96	19.86	13.1	14.4	13.8	13.8										
			11:23	2.4	1.2	24.60																8.09	8.09	32.57	32.57	84.80	6.21	6.18	19.75	19.86	14.4
	23/10/2023	Fine	16:58	2.3	1.2	23.80	23.90	8.03	8.03	33.02	33.03	83.60	83.55	6.25	6.25	13.79	13.51	10.4	11.7	11.1	11.1										
			16:59	2.3	1.2	24.00																8.03	8.03	33.04	33.03	83.50	6.24	6.25	13.22	13.51	10.4
	25/10/2023	Cloudy	15:56	2.8	1.4	24.90	24.95	8.07	8.08	33.47	33.48	81.30	82.20	6.09	6.14	11.02	11.46	6.0	6.5	6.3	6.3										
15:57			2.8	1.4	25.00	8.08																8.08	33.48	33.48	83.10	6.18	6.14	11.89	11.46	6.5	6.3
27/10/2023	Cloudy	17:56	2.4	1.2	25.00	25.05	8.11	8.12	33.42	33.42	81.90	82.80	6.13	6.19	5.69	5.60	2.8	3.2	3.0	3.0											
		17:57	2.4	1.2	25.10																8.12	8.12	33.42	33.42	83.70	6.24	6.19	5.51	5.60	3.2	3.0
30/10/2023	Cloudy	18:01	2.4	1.2	27.20	27.16	8.14	8.14	30.19	29.54	99.50	99.45	6.67	6.67	2.14	2.82	4.2	3.8	4.0	4.0											
		18:02	2.4	1.2	27.11																8.14	8.14	28.89	29.54	99.40	6.66	6.67	3.50	2.82	3.8	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 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	3/10/2023	Fine	14:13	2.9	1.5	27.90	27.95	8.14	8.14	31.88	31.88	82.30	82.55	6.13	6.15	4.72	4.63	5.0	4.5		
			14:14	2.9	1.5	28.00		8.13	8.13	31.87	31.87	82.80	82.55	6.17	6.15	4.53	4.63	4.0	4.0		
	5/10/2023	Fine	14:58	2.7	1.4	27.60	27.55	8.11	8.11	32.30	32.30	83.60	83.50	6.20	6.20	8.30	8.25	8.1	7.9		
			14:59	2.7	1.4	27.50		8.10	8.10	32.29	32.30	83.40	83.50	6.19	6.19	8.19	8.25	7.7	7.7		
	7/10/2023	Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																		
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																		
	11/10/2023	Cloudy	11:01	2.5	1.3	25.00	25.10	8.09	8.10	32.14	32.13	82.50	83.20	6.12	6.18	11.52	11.28	7.0	6.9		
			11:02	2.5	1.3	25.20		8.11	8.11	32.12	32.12	83.90	83.20	6.24	6.18	11.03	11.28	6.7	6.7		
	13/10/2023	Fine	12:03	2.8	1.4	25.70	25.70	8.07	8.06	32.54	32.54	83.40	83.80	6.20	6.23	13.28	13.15	-	-		
			12:04	2.8	1.4	25.70		8.05	8.05	32.54	32.54	84.20	83.80	6.25	6.23	13.02	13.15	-	-		
	16/10/2023	Cloudy	13:00	0.0	1.4	25.30	25.35	8.19	8.20	32.62	32.61	81.20	81.65	6.11	6.15	4.98	5.01	2.7	2.9		
			13:01	2.8	1.4	25.40		8.20	8.20	32.60	32.60	82.10	81.65	6.19	6.15	5.03	5.01	3.0	3.0		
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																		
	20/10/2023	Cloudy	15:16	2.7	1.4	24.60	24.65	8.09	8.09	32.65	32.65	81.90	82.80	6.13	6.19	17.95	17.84	17.1	16.7		
			15:17	2.7	1.4	24.70		8.09	8.09	32.64	32.65	83.70	82.80	6.25	6.19	17.73	17.84	16.3	16.3		
	23/10/2023	Fine	8:41	2.5	1.3	24.00	24.10	8.01	8.01	33.15	33.15	83.90	83.00	6.20	6.16	14.21	14.01	10.8	10.6		
			8:42	2.5	1.3	24.20		8.00	8.00	33.15	33.15	82.10	83.00	6.12	6.16	13.80	14.01	10.4	10.4		
	25/10/2023	Cloudy	10:01	2.7	1.4	24.90	24.95	8.08	8.09	33.46	33.47	82.90	83.90	6.16	6.20	9.29	9.23	5.7	6.0		
			10:02	2.7	1.4	25.00		8.10	8.10	33.47	33.47	84.90	83.90	6.24	6.20	9.16	9.23	6.3	6.3		
	27/10/2023	Cloudy	11:43	2.7	1.4	25.00	25.00	8.11	8.11	33.45	33.45	82.40	82.20	6.23	6.22	3.03	3.11	3.1	3.0		
			11:44	2.7	1.4	25.00		8.11	8.11	33.44	33.45	82.00	82.20	6.21	6.22	3.19	3.11	2.8	2.8		
	30/10/2023	Cloudy	13:37	2.5	1.3	27.28	27.26	8.37	8.38	29.33	29.84	100.20	99.70	6.70	6.65	2.67	2.70	3.6	3.4		
			13:38	2.5	1.3	27.23		8.38	8.38	30.35	30.35	99.20	99.70	6.60	6.65	2.73	2.70	3.2	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 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	3/10/2023	Fine	9:47	2.6	1.3	28.20	28.20	8.15	8.15	31.86	31.86	82.80	82.20	6.17	6.15	6.64	6.69	4.3	4.2		
			9:48	2.6	1.3	28.20		8.14	8.15	31.85	31.86	81.60	82.20	6.12	6.15	6.73	6.69	4.0	4.0		
			11:35	2.5	1.3	27.40		27.30	8.12	8.11	32.41	32.40	83.70	83.35	6.24	6.22	7.25	7.22	7.7	7.8	
			11:36	2.5	1.3	27.20			8.10	8.10	32.39	32.40	83.00	83.35	6.20	6.22	7.18	7.22	7.9	7.9	
	7/10/2023	Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																		
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																		
	11/10/2023	Cloudy	16:46	2.2	1.1	25.30	25.25	8.08	8.09	32.08	32.07	83.70	83.30	6.24	6.22	10.60	10.24	6.6	6.5		
			16:47	2.2	1.1	25.20		8.09	8.09	32.06	32.06	82.90	83.30	6.19	6.22	9.87	10.24	6.4	6.4		
	13/10/2023	Fine	17:16	2.4	1.2	25.90	25.90	8.08	8.08	32.54	32.54	81.20	81.10	6.17	6.16	10.60	10.50	-	-		
			17:17	2.4	1.2	25.90		8.07	8.07	32.53	32.53	81.00	81.10	6.19	6.16	10.39	10.50	-	-		
	16/10/2023	Cloudy	8:25	2.5	1.3	25.50	25.45	8.18	8.19	32.61	32.62	84.80	84.10	6.27	6.26	3.62	3.47	3.0	2.9		
			8:26	2.5	1.3	25.40		8.19	8.19	32.63	32.62	83.40	84.10	6.25	6.26	3.32	3.47	2.7	2.7		
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																		
	20/10/2023	Cloudy	11:28	2.5	1.3	24.50	24.55	8.09	8.09	32.60	32.59	83.50	83.55	6.28	6.22	19.05	19.03	15.1	16.3		
			11:29	2.5	1.3	24.60		8.09	8.09	32.58	32.59	83.60	83.55	6.15	6.22	19.00	19.03	17.4	17.4		
	23/10/2023	Fine	16:54	2.3	1.2	24.10	24.20	8.01	8.02	33.00	33.01	84.20	83.55	6.23	6.19	13.79	13.81	13.0	12.2		
			16:55	2.3	1.2	24.30		8.02	8.02	33.02	33.02	82.90	83.55	6.15	6.19	13.82	13.81	11.4	11.4		
	25/10/2023	Cloudy	15:51	2.9	1.5	25.10	25.05	8.09	8.10	33.44	33.45	84.30	83.15	6.29	6.21	10.60	10.49	6.9	6.7		
			15:52	2.9	1.5	25.00		8.10	8.10	33.46	33.46	82.00	83.15	6.12	6.21	10.38	10.49	6.5	6.5		
	27/10/2023	Cloudy	17:51	2.3	1.2	25.00	25.10	8.10	8.11	33.46	33.46	83.70	83.60	6.25	6.25	4.80	4.89	3.1	3.0		
			17:52	2.3	1.2	25.20		8.12	8.12	33.45	33.45	83.50	83.60	6.24	6.25	4.97	4.89	2.8	2.8		
	30/10/2023	Cloudy	17:55	2.3	1.2	27.07	27.10	8.21	8.21	30.49	30.37	96.70	95.95	6.45	6.43	2.79	2.89	3.3	3.6		
			17:56	2.3	1.2	27.13		8.21	8.21	30.25	30.25	95.20	95.95	6.41	6.43	2.98	2.89	3.8	3.8		

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 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	3/10/2023	Fine	15:01	2.7	1.4	28.10	28.20	8.24	8.23	31.70	31.69	83.40	83.90	6.22	6.25
			15:02	2.7	1.4	28.30		8.22		31.68		84.40		6.28		6.19		3.3			
	5/10/2023	Fine	15:47	2.7	1.4	27.80	27.85	8.22	8.22	31.88	31.89	84.70	84.75	6.06	6.07	4.96	4.90	3.3	3.1		
			15:48	2.7	1.4	27.90		8.21		31.89		84.80		6.08		4.83		2.8			
	7/10/2023	Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																		
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																		
	11/10/2023	Cloudy	17:36	2.3	1.2	25.40	25.45	8.04	8.05	32.27	32.26	84.00	83.95	6.15	6.14	9.98	9.85	4.9	4.8		
			17:37	2.3	1.2	25.50		8.06		32.25		83.90		6.13		9.72		4.6			
	13/10/2023	Fine	11:35	2.7	1.4	25.30	25.30	8.02	8.02	32.40	32.39	82.10	82.35	6.10	6.13	10.94	10.84	-	-		
			11:36	2.7	1.4	25.30		8.01		32.38		82.60		6.16		10.73		-	-		
	16/10/2023	Cloudy	13:50	2.8	1.4	25.00	25.10	8.11	8.11	32.35	32.35	83.00	83.45	6.15	6.18	9.02	8.99	6.4	6.2		
			13:51	2.8	1.4	25.20		8.10		32.34		83.90		6.20		8.95		5.9			
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																		
	20/10/2023	Cloudy	16:04	2.6	1.3	24.60	24.70	8.07	8.09	32.58	32.59	84.10	83.85	6.27	6.26	12.22	12.18	11.3	11.1		
			16:05	2.6	1.3	24.80		8.10		32.59		83.60		6.24		12.14		10.8			
			7:40	2.7	1.4	23.70	23.75	7.85	7.86	32.51	32.52	83.40	83.65	6.16	6.18	18.01	17.97	13.5	13.8		
	23/10/2023	Fine	7:41	2.7	1.4	23.80		7.86		32.53		83.90		6.20		17.92		14.1			
			9:06	2.4	1.2	24.50	24.55	8.02	8.02	33.27	33.28	83.50	83.45	6.27	6.26	10.72	10.66	3.9	4.0		
			9:07	2.4	1.2	24.60		8.01		33.29		83.40		6.25		10.59		4.0			
	27/10/2023	Cloudy	10:44	2.8	1.4	24.70	24.80	8.07	8.07	33.40	33.39	83.40	84.30	6.14	6.20	6.37	6.28	4.0	4.2		
			0:00	2.8	1.4	24.90		8.07		33.38		85.20		6.26		6.18		4.4			
			12:43	2.5	1.3	26.60	26.08	8.07	8.13	30.34	30.29	102.00	101.75	6.90	6.89	5.51	5.51	5.4	5.2		
	30/10/2023	Cloudy	12:44	2.5	1.3	25.56		8.19		30.24		101.50		6.87		5.51		4.9			

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 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	3/10/2023	Fine	8:52	2.3	1.2	28.50	28.60	8.16	8.16	31.81	31.81	83.60	82.90	6.20
			8:53	2.3	1.2	28.70		8.16		31.80		82.20		6.12		4.67		2.2		
	5/10/2023	Fine	10:40	2.2	1.1	27.60	27.60	8.19	8.20	32.15	32.17	83.00	83.15	6.21	6.22	3.78	3.81	3.0	2.9	
			10:41	2.2	1.1	27.60		8.20		32.19		83.30		6.23		3.84		2.7		
	7/10/2023	Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																	
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																	
	11/10/2023	Cloudy	10:06	2.8	1.4	25.10	25.15	8.03	8.03	31.91	31.92	83.20	82.59	6.21	6.16	9.16	9.22	7.0	6.8	
			10:07	2.8	1.4	25.20		8.02		31.93		81.98		6.11		9.27		6.5		
	13/10/2023	Fine	18:05	2.3	1.2	25.70	25.65	8.14	8.13	32.56	32.56	81.60	80.95	6.21	6.18	7.91	7.88	-	-	
			18:06	2.3	1.2	25.60		8.12		32.56		80.30		6.15		7.84		-	-	
	16/10/2023	Cloudy	7:23	2.5	1.3	25.00	25.05	7.97	7.98	32.44	32.44	83.90	83.85	6.21	6.21	8.89	8.81	8.6	8.4	
			7:24	2.5	1.3	25.10		7.99		32.43		83.80		6.20		8.73		8.2		
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																	
	20/10/2023	Cloudy	10:33	2.3	1.2	24.70	24.80	8.02	8.03	32.67	32.68	82.70	82.35	6.16	6.14	14.09	14.04	8.1	8.6	
			10:34	2.3	1.2	24.90		8.04		32.68		82.00		6.11		13.98		9.0		
	23/10/2023	Fine	17:42	2.5	1.3	23.90	24.00	7.96	7.97	33.11	33.13	83.50	83.65	6.19	6.21	16.25	16.31	17.9	18.3	
			17:43	2.5	1.3	24.10		7.98		33.14		83.80		6.22		16.27		18.8		
	25/10/2023	Cloudy	16:40	2.7	1.4	24.80	24.90	8.05	8.06	33.38	33.39	82.10	82.55	6.19	6.23	9.48	9.41	5.8	5.7	
			16:41	2.7	1.4	25.00		8.07		33.40		83.00		6.27		9.33		5.5		
	27/10/2023	Cloudy	18:42	2.3	1.2	25.10	25.10	8.09	8.10	33.38	33.38	81.40	82.65	6.11	6.16	5.49	5.44	4.8	4.9	
			18:43	2.3	1.2	25.10		8.10		33.38		83.90		6.20		5.38		5.0		
	30/10/2023	Cloudy	18:59	2.2	1.1	26.84	26.83	8.25	8.24	29.87	30.24	97.60	97.15	6.48	6.45	0.95	2.47	5.4	5.0	
			19:00	2.2	1.1	26.81		8.23		30.61		96.70		6.42		3.98		4.5		

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 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	3/10/2023	Fine	14:03	8.7	1.0	27.90		8.19		31.87		83.20	82.85	6.46	6.14	5.35	5.30	3.4	3.6		
			14:04	8.7	1.0	27.90		8.18		31.87		83.20		6.19		5.25		3.4			
	5/10/2023	Fine	14:47	8.6	1.0	28.10	28.05	8.24	8.25	31.88	31.89	82.20	82.75	6.12	6.16	2.99	2.86	2.4	2.9		
			14:48	8.6	1.0	28.00		8.25		31.89		83.30		6.19		2.73		3.3			
	7/10/2023	Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																		
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																		
	11/10/2023	Cloudy	11:13	8.5	1.0	25.50	25.40	8.13	8.13	32.48	32.48	84.20	83.40	6.25	6.19	6.79	6.75	5.4	5.5		
			11:14	8.5	1.0	25.30		8.12		32.47		82.60		6.13		6.70		5.6			
	13/10/2023	Fine	12:42	8.6	1.0	25.60	25.70	8.12	8.11	32.73	32.72	83.90	83.65	6.24	6.22	8.10	8.06	-	-		
			12:43	8.6	1.0	25.80		8.10		32.71		83.40		6.19		8.02		-			
	16/10/2023	Cloudy	12:49	8.7	1.0	25.40	25.45	8.21	8.22	32.86	32.86	83.00	82.40	6.27	6.23	5.79	5.70	8.2	9.1		
			12:50	8.7	1.0	25.50		8.22		32.86		81.80		6.18		5.61		8.9			
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																		
	20/10/2023	Cloudy	15:05	8.7	1.0	24.80	24.85	8.10	8.10	33.02	33.01	87.60	88.05	6.24	6.27	11.80	11.85	10.9	10.8		
			15:06	8.7	1.0	24.90		8.09		33.00		88.50		6.30		11.90		10.6			
	23/10/2023	Fine	8:52	8.4	1.0	24.10	24.20	8.05	8.04	33.29	33.31	84.20	82.85	6.25	6.21	5.11	6.24	10.4	10.7		
			8:53	8.4	1.0	24.30		8.03		33.32		81.50		6.17		7.37		10.9			
	25/10/2023	Cloudy	10:12	8.4	1.0	24.70	24.75	8.09	8.09	33.47	33.49	84.60	84.45	6.26	6.24	2.87	2.94	2.8	3.1		
			10:13	8.4	1.0	24.80		8.09		33.50		84.30		6.22		3.00		3.3			
	27/10/2023	Cloudy	11:54	8.7	1.0	24.90	25.00	8.10	8.11	33.50	33.49	83.40	83.10	6.23	6.21	4.70	4.65	2.7	2.7		
11:55			8.7	1.0	25.10		8.12		33.48		82.80		6.19		4.59		2.6				
30/10/2023	Cloudy	13:48	8.5	1.0	27.10	27.07	8.05	8.05	30.40	30.59	88.00	87.50	6.35	6.31	2.76	2.75	5.2	5.0			
		13:49	8.5	1.0	27.04		8.05		30.78		87.00		6.27		2.73		4.7				

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 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	3/10/2023	Fine	9:58	8.4	1.0	28.40	28.35	8.16	8.16	31.95	31.95	84.30	83.95	6.28	6.25	7.33	7.36	9.1	8.5	
			9:59	8.4	1.0	28.30		8.16		31.94		83.60		6.21		7.39		7.9		
	5/10/2023	Fine	11:47	8.4	1.0	28.00	27.95	8.23	8.24	31.90	31.91	81.90	81.90	6.14	6.14	3.67	3.60	2.4	2.3	
			11:48	8.4	1.0	27.90		8.24		31.92		81.90		6.13		3.52		2.2		
	7/10/2023	Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																	
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																	
	11/10/2023	Cloudy	16:36	8.2	1.0	25.60	25.55	8.12	8.13	32.51	32.51	82.00	82.55	6.12	6.15	7.27	7.21	8.2	8.0	
			16:37	8.2	1.0	25.50		8.13		32.50		83.10		6.18		7.14		7.8		
	13/10/2023	Fine	17:05	8.3	1.0	25.50	25.45	8.17	8.18	32.63	32.62	83.90	84.35	6.12	6.16	10.57	10.49	-	-	
			17:06	8.3	1.0	25.40		8.18		32.60		84.80		6.20		10.42		-		
	16/10/2023	Cloudy	8:35	8.5	1.0	25.40	25.45	8.20	8.20	32.93	32.92	83.20	84.00	6.14	6.18	9.01	9.31	3.8	3.7	
			8:36	8.5	1.0	25.50		8.19		32.90		84.80		6.21		9.60		3.6		
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																	
	20/10/2023	Cloudy	11:39	3.5	1.0	24.80	24.85	8.09	8.08	32.98	32.98	83.40	83.10	6.25	6.22	12.44	12.41	10.5	10.3	
			11:40	3.5	1.0	24.90		8.07		32.98		82.80		6.19		12.37		10.0		
	23/10/2023	Fine	16:44	8.3	1.0	24.30	24.25	8.09	8.08	33.55	33.54	84.90	83.90	6.27	6.23	6.64	6.62	5.4	5.7	
			16:45	8.3	1.0	24.20		8.07		33.52		83.00		6.19		6.59		5.9		
	25/10/2023	Cloudy	15:42	8.7	1.0	24.80	24.70	8.11	8.11	33.53	33.53	82.00	81.95	6.13	6.13	5.36	5.29	3.7	3.5	
			15:43	8.7	1.0	24.60		8.11		33.53		81.90		6.12		5.21		3.3		
	27/10/2023	Cloudy	17:40	8.3	1.0	25.00	24.95	8.08	8.09	33.53	33.54	83.50	82.75	6.16	6.15	5.13	5.07	2.8	3.1	
17:41			8.3	1.0	24.90		8.10		33.54		82.00		6.13		5.01		3.3			
30/10/2023	Cloudy	17:45	8.2	1.0	27.16	27.15	8.07	8.07	30.31	30.32	89.40	89.30	6.23	6.22	3.70	3.07	4.4	4.0		
		17:46	8.2	1.0	27.13		8.07		30.32		89.20		6.21		2.43		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 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
CE	3/10/2023	Fine	14:07	8.7	4.4	27.80		8.16	8.17	32.05	32.06	83.90	6.20	6.24	6.26	7.80	7.88	14.0	14.0		
			14:08	8.7	4.4	27.90	27.85	8.19	8.17	32.07	32.06	84.30	84.10	6.28	6.26	7.95	7.88	14.0	14.0		
	5/10/2023	Fine	14:51	8.6	4.3	28.00	27.50	8.26	8.26	31.86	31.87	83.60	6.20	6.20	1.95	1.91	3.0	3.0			
			14:52	8.6	4.3	27.00		8.26	8.26	31.88	31.87	84.50	84.05	6.28	6.24	1.86	1.86	3.4	3.4		
	7/10/2023	Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																		
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																		
	11/10/2023	Cloudy	11:17	8.5	4.3	25.50	25.50	8.13	8.13	32.45	32.46	83.60	6.20	6.14	8.48	8.43	6.2	6.1			
			11:18	8.5	4.3	25.50		8.13	8.13	32.46	32.46	81.60	82.60	6.08	6.14	8.37	8.43	5.9	6.1		
	13/10/2023	Fine	12:46	8.6	4.3	25.50	25.55	8.13	8.13	32.69	32.70	83.40	6.20	6.21	8.67	8.78	-	-			
			12:47	8.6	4.3	25.60		8.13	8.13	32.70	32.70	83.60	83.50	6.21	6.21	8.89	8.78	-	-		
	16/10/2023	Cloudy	12:53	8.7	4.4	25.40	25.40	8.20	8.20	32.80	32.81	82.10	6.19	6.19	5.41	5.51	8.0	8.2			
			12:54	8.7	4.4	25.40		8.20	8.20	32.81	32.81	81.80	81.95	6.18	6.19	5.60	5.51	8.3	8.2		
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																		
	20/10/2023	Cloudy	15:09	8.7	4.4	24.70	24.70	8.08	8.09	32.87	32.87	83.00	6.13	6.12	12.90	12.56	11.2	11.5			
			15:10	8.7	4.4	24.70		8.10	8.09	32.86	32.87	82.60	82.80	6.10	6.12	12.22	12.56	11.7	11.5		
	23/10/2023	Fine	8:56	8.4	4.2	24.30	24.25	8.04	8.05	33.46	33.46	81.20	6.14	6.18	7.60	7.54	8.3	8.2			
			8:57	8.4	4.2	24.20		8.06	8.05	33.45	33.46	81.80	81.50	6.21	6.18	7.48	7.54	8.0	8.2		
	25/10/2023	Cloudy	10:16	8.4	4.2	24.80	24.70	8.10	8.10	33.49	33.49	82.60	6.16	6.15	3.67	3.78	2.7	2.6			
			10:17	8.4	4.2	24.60		8.09	8.10	33.48	33.49	81.90	82.25	6.14	6.15	3.89	3.78	2.5	2.6		
	27/10/2023	Cloudy	11:58	8.7	4.4	25.00	24.95	8.10	8.11	33.48	33.48	83.40	6.21	6.19	4.24	4.35	2.6	2.8			
11:59			8.7	4.4	24.90		8.11	8.11	3.49	3.49	82.60	83.00	6.17	6.19	4.45	4.35	3.0	2.8			
30/10/2023	Cloudy	13:52	8.5	4.3	27.01	27.00	8.07	8.08	30.39	30.35	86.80	6.20	6.20	3.36	2.83	5.0	4.8				
		13:53	8.5	4.3	26.99		8.08	8.08	30.30	30.35	86.40	86.60	6.19	6.20	2.29	2.83	4.6	4.8			

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 (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
CE	3/10/2023	Fine	10:02	8.4	4.2	28.10	28.20	8.16	8.16	31.90	31.90	81.10	6.08	6.12	8.75	8.70	7.0	7.1			
			10:03	8.4	4.2	28.30		8.15	8.16	31.90	31.90	82.50	81.80	6.16	6.12	8.65	8.70	7.1	7.1		
	5/10/2023	Fine	11:51	8.4	4.2	27.80	27.80	8.25	8.25	31.92	31.93	83.50	6.26	6.20	2.49	2.43	2.3	2.4			
			11:52	8.4	4.2	27.80		8.25	8.25	31.93	31.93	81.90	82.70	6.14	6.20	2.37	2.43	2.5	2.4		
	7/10/2023	Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																		
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																		
	11/10/2023	Cloudy	16:40	8.2	4.1	25.60	25.60	8.14	8.14	32.55	32.55	83.50	6.26	6.20	9.03	9.16	7.1	7.0			
			16:41	8.2	4.1	25.60		8.14	8.14	32.54	32.55	81.90	82.70	6.14	6.20	9.28	9.16	6.9	7.0		
	13/10/2023	Fine	17:09	8.3	4.2	25.40	25.35	8.16	8.16	32.66	32.67	84.90	6.20	6.24	10.25	10.15	-	-			
			17:10	8.3	4.2	25.30		8.16	8.16	32.67	32.67	90.20	87.55	6.28	6.24	10.05	10.15	-	-		
	16/10/2023	Cloudy	8:39	8.5	4.3	25.60	25.50	8.19	8.20	32.88	32.90	82.90	6.20	6.24	9.01	8.98	4.4	4.2			
			8:40	8.5	4.3	25.40		8.20	8.20	32.91	32.90	84.80	83.85	6.27	6.24	8.95	8.98	4.0	4.2		
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																		
	20/10/2023	Cloudy	11:41	3.5	1.8	24.70	24.70	8.11	8.11	32.88	32.88	83.20	6.23	6.22	14.09	14.16	9.0	9.2			
			11:41	3.5	1.8	24.70		8.10	8.11	32.88	32.88	83.00	83.10	6.20	6.22	14.22	14.16	9.4	9.2		
	23/10/2023	Fine	16:48	8.3	4.2	24.30	24.40	8.09	8.09	33.50	33.51	83.40	6.25	6.26	8.23	8.20	6.8	7.0			
			16:49	8.3	4.2	24.50		8.09	8.09	33.52	33.52	84.80	84.10	6.27	6.26	8.17	8.20	7.2	7.0		
	25/10/2023	Cloudy	15:46	8.7	4.4	24.70	24.60	8.09	8.10	33.56	33.55	83.00	6.20	6.23	5.02	5.55	5.5	5.7			
			15:47	8.7	4.4	24.50		8.10	8.10	33.54	33.55	83.50	83.25	6.26	6.23	6.08	5.55	5.8	5.7		
	27/10/2023	Cloudy	17:44	8.3	4.2	24.70	24.75	8.10	8.11	33.50	33.51	83.10	6.18	6.21	4.59	4.65	2.7	2.8			
17:45			8.3	4.2	24.80		8.11	8.11	33.52	33.52	84.10	83.60	6.24	6.21	4.70	4.65	2.9	2.8			
30/10/2023	Cloudy	17:49	8.2	4.1	27.08	27.04	8.05	8.05	30.18	30.22	97.90	98.00	6.57	6.59	3.60	3.04	3.0	3.4			
		17:50	8.2	4.1	27.00		8.04	8.05	30.25	30.25	98.10	98.00	6.60	6.59	2.48	3.04	3.7	3.4			

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) - 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	3/10/2023	Fine	14:10	8.7	7.7	27.70		8.15	8.15	32.06	32.06	82.80	81.80	6.17	6.12	8.02	7.96	15.3	15.1		
			14:11	8.7	7.7	27.70		8.15	8.15	32.06	32.06	80.80	81.80	6.06	6.12	7.99	7.96	14.8	14.8		
			14:54	8.6	7.6	27.70	27.65	8.24	8.24	32.07	32.08	83.40	83.40	6.20	6.20	2.02	2.09	3.8	3.6		
	5/10/2023	Fine	14:55	8.6	7.6	27.60		8.23	8.24	32.09	32.08	83.40	83.40	6.19	6.20	2.16	2.09	3.4	3.6		
			7/10/2023 Strong Wind Signal no. 3 WQM was cancelled due to adverse weather																		
			9/10/2023 Strong Wind Signal no. 8 WQM was cancelled due to adverse weather																		
	11/10/2023	Cloudy	11:20	8.5	7.5	25.60	25.55	8.14	8.14	32.44	32.44	82.60	82.10	6.13	6.11	7.48	7.52	7.0	6.8		
			11:21	8.5	7.5	25.50		8.13	8.13	32.44	32.44	81.60	82.10	6.08	6.11	7.56	7.52	6.6	6.8		
	13/10/2023	Fine	12:49	8.6	7.6	25.40	25.45	8.14	8.14	32.63	32.62	82.50	82.75	6.16	6.18	8.05	8.12	-	-		
			12:50	8.6	7.6	25.50		8.13	8.13	32.60	32.60	83.00	83.00	6.20	6.18	8.19	8.12	-	-		
	16/10/2023	Cloudy	12:56	8.7	7.7	25.40	25.35	8.19	8.20	32.80	32.80	84.00	84.25	6.20	6.22	4.73	4.80	6.6	6.7		
			12:57	8.7	7.7	25.30		8.20	8.20	32.80	32.80	84.50	84.25	6.23	6.22	4.87	4.80	6.7	6.7		
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																		
			20/10/2023 Cloudy																		
	20/10/2023	Cloudy	15:12	8.7	7.7	24.70	24.75	8.09	8.09	32.88	32.88	80.50	80.45	5.94	5.95	13.05	13.13	12.3	12.4		
			15:13	8.7	7.7	24.80		8.09	8.09	32.90	32.89	80.40	80.45	5.95	5.95	13.20	13.13	12.4	12.4		
	23/10/2023	Fine	8:59	8.4	7.4	24.20	24.20	8.06	8.06	33.50	33.52	81.40	81.70	6.19	6.21	11.62	11.51	6.4	6.5		
			9:00	8.4	7.4	24.20		8.06	8.06	33.53	33.52	82.00	81.70	6.22	6.21	11.39	11.51	6.6	6.5		
	25/10/2023	Cloudy	10:19	8.4	7.4	24.60	24.70	8.10	8.61	33.51	33.51	80.70	80.80	6.05	6.06	5.36	5.28	2.3	2.2		
			10:20	8.4	7.4	24.80		9.12	8.61	33.50	33.51	80.90	80.80	6.06	6.06	5.19	5.28	2.1	2.2		
27/10/2023	Cloudy	12:01	8.7	7.7	25.00	24.95	8.15	8.14	33.49	33.50	82.20	82.95	6.12	6.20	2.96	2.87	3.6	3.4			
		12:02	8.7	7.7	24.90		8.13	8.14	33.51	33.50	83.70	82.95	6.27	6.20	2.78	2.87	3.2	3.4			
30/10/2023	Cloudy	13:55	8.5	7.5	26.90	26.91	8.04	8.05	30.58	30.53	85.80	85.35	6.14	6.10	3.00	3.05	5.6	5.3			
		13:56	8.5	7.5	26.91		8.05	8.05	30.47	30.52	84.90	85.35	6.06	6.10	3.09	3.05	5.0	5.3			

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 (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
CE	3/10/2023	Fine	10:05	8.4	7.4	28.20	28.10	8.17	8.17	31.90	31.91	80.80	81.35	6.03	6.07	8.27	8.33	5.8	6.0		
			10:06	8.4	7.4	28.00		8.17	8.17	31.92	31.92	81.90	81.35	6.11	6.07	8.38	8.33	6.1	6.0		
	5/10/2023	Fine	11:54	8.4	7.4	27.90	27.85	8.25	8.25	31.92	31.91	83.70	83.40	6.25	6.22	2.95	3.06	2.9	2.8		
			11:55	8.4	7.4	27.80		8.24	8.25	31.90	31.91	83.10	83.40	6.18	6.22	3.17	3.06	2.7	2.8		
	7/10/2023	Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																		
			9/10/2023 Strong Wind Signal no. 8 WQM was cancelled due to adverse weather																		
	11/10/2023	Cloudy	16:43	8.2	7.2	25.50	25.55	8.14	8.15	32.49	32.50	82.00	82.50	6.13	6.17	8.05	8.01	6.4	6.2		
			16:44	8.2	7.2	25.60		8.15	8.15	32.51	32.50	83.00	82.50	6.20	6.17	7.96	8.01	6.0	6.2		
	13/10/2023	Fine	17:12	8.3	7.3	25.50	25.55	8.17	8.18	32.90	32.81	84.70	84.90	6.16	6.18	9.48	9.43	-	-		
			17:13	8.3	7.3	25.60		8.19	8.18	32.72	32.81	85.10	84.90	6.20	6.18	9.38	9.43	-	-		
	16/10/2023	Cloudy	8:42	8.5	7.5	25.50	25.50	8.18	8.18	32.89	32.90	84.20	84.50	6.23	6.25	6.90	6.84	4.5	4.5		
			8:43	8.5	7.5	25.50		8.18	8.18	32.90	32.90	84.80	84.50	6.27	6.25	6.78	6.84	4.4	4.5		
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																		
			20/10/2023 Cloudy																		
	20/10/2023	Cloudy	11:41	3.5	2.5	24.80	24.75	8.09	8.09	32.87	32.88	82.00	81.70	6.14	6.10	13.96	13.82	7.6	7.8		
			11:42	3.5	2.5	24.70		8.09	8.09	32.89	32.88	81.40	81.70	6.06	6.10	13.88	13.82	8.0	8.0		
	23/10/2023	Fine	16:51	8.3	7.3	24.20	24.35	8.07	8.08	33.52	33.52	84.80	84.00	6.21	6.18	7.70	7.55	8.6	8.3		
			16:52	8.3	7.3	24.50		8.08	8.08	33.52	33.52	83.20	84.00	6.14	6.18	7.39	7.55	8.0	8.3		
	25/10/2023	Cloudy	15:49	8.7	7.7	24.60	24.60	8.09	8.09	33.50	33.52	83.50	83.60	6.24	6.25	7.19	7.14	6.1	6.4		
			15:50	8.7	7.7	24.60		8.09	8.09	33.53	33.52	83.70	83.60	6.25	6.25	7.08	7.14	6.6	6.4		
27/10/2023	Cloudy	17:47	8.3	7.3	24.90	24.80	8.10	8.10	33.55	33.54	82.00	82.30	6.13	6.15	3.38	3.28	2.5	2.5			
		17:48	8.3	7.3	24.70		8.09	8.10	33.53	33.54	82.60	82.30	6.16	6.15	3.17	3.28	2.4	2.5			
30/10/2023	Cloudy	17:52	8.2	7.2	26.88	26.90	8.01	8.01	30.50	30.51	98.20	97.80	6.61	6.59	2.46	2.47	3.5	3.3			
		17:53	8.2	7.2	26.91		8.00	8.01	30.52	30.51	97.40	97.80	6.56	6.59	2.47	2.47	3.0	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 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	3/10/2023	Fine	15:02	8.7	1.0	27.70		8.14		32.00		84.40	6.28	5.21		3.65		4.0		4.0	
			15:03	8.7	1.0	27.80	27.75	8.14		32.03	32.02	84.00	6.25	6.27	2.98			4.0		4.0	
			16:05	8.5	1.0	27.70	27.75	8.17		32.87	32.87	85.00	6.12	6.13	6.24			4.5		4.7	
	5/10/2023	Fine	16:06	8.5	1.0	27.80		8.20		32.86		85.70	6.14	6.13	6.13			4.8		4.7	
			WQM was cancelled due to adverse weather																		
			WQM was cancelled due to adverse weather																		
	7/10/2023	Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																		
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																		
	11/10/2023	Cloudy	17:54	8.2	1.0	25.50	26.06	8.13	8.12	32.60	32.59	82.00	82.30	6.14	6.16	5.78	5.68	6.1		6.3	
			17:55	8.2	1.0	26.60		8.10		32.58		82.60		6.17		5.57			6.5		6.3
	13/10/2023	Fine	11:18	8.7	1.0	25.60	25.50	7.81	7.83	32.60	32.61	83.40	83.70	6.31	6.33	10.50	10.44	-		-	
			11:19	8.7	1.0	25.40		7.84		32.62		84.00		6.34		10.37			-		-
	16/10/2023	Cloudy	14:08	8.7	1.0	25.00	25.05	8.20	8.20	32.73	32.64	83.40	82.60	6.19	6.14	12.01	12.12			9.0	
			14:09	8.7	1.0	25.10		8.19		32.55		81.80		6.08		12.22			8.4		8.7
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																		
	20/10/2023	Cloudy	16:22	8.7	1.0	24.90	24.95	8.10	8.09	33.05	33.07	81.20	80.80	6.24	6.19	12.23	12.20			13.9	
			16:23	8.7	1.0	25.00		8.08		33.08		80.40		6.14		12.17			13.2		13.6
	23/10/2023	Fine	7:25	8.5	1.0	24.10	24.20	7.70	7.72	32.25	32.26	83.10	83.45	6.14	6.17	13.01	12.85			12.0	
			7:26	8.5	1.0	24.30		7.73		32.27		83.80		6.20		12.69			11.6		11.8
	25/10/2023	Cloudy	8:48	8.3	1.0	24.60	24.70	7.94	7.94	33.30	33.29	83.50	83.25	6.26	6.23	7.75	7.77			5.6	
			8:49	8.3	1.0	24.80		7.94		33.28		83.00		6.20		7.79			5.3		5.5
	27/10/2023	Cloudy	10:26	8.8	1.0	24.80	24.85	8.02	8.03	33.42	33.41	81.40	82.30	6.03	6.11	7.20	7.15			5.9	
			10:27	8.8	1.0	24.90		8.03		33.40		83.20		6.18		7.09			5.4		5.7
30/10/2023	Cloudy	12:25	8.6	1.0	26.32	26.26	7.97	8.05	29.83	29.96	115.40	112.00	7.87	7.64	7.24	7.16			9.0		
		12:26	8.6	1.0	26.20		8.13		30.08		108.60		7.41		7.07			8.1		8.6	

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	3/10/2023	Fine	8:34	8.4	1.0	28.10	28.10	7.86	8.35	31.82	31.83	81.10	80.90	6.18	6.17	4.95	4.97			3.1	
			8:35	8.4	1.0	28.10		8.84		31.84		80.70		6.15		4.99			3.8		3.5
			10:22	8.3	1.0	27.80	27.70	8.07	8.08	32.61	32.61	81.10	81.30	6.12	6.15	4.41	4.50			5.7	
	5/10/2023	Fine	10:23	8.3	1.0	27.80		8.09		32.60		81.50		6.17		4.59			6.0		5.9
			WQM was cancelled due to adverse weather																		
			WQM was cancelled due to adverse weather																		
	7/10/2023	Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																		
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																		
	11/10/2023	Cloudy	9:48	8.6	1.0	25.20	25.25	7.87	7.89	32.43	32.45	83.60	83.90	6.20	6.23	7.80	7.71			8.2	
			9:49	8.6	1.0	25.30		7.91		32.46		84.20		6.25		7.62			7.8		8.0
	13/10/2023	Fine	18:15	8.1	1.0	26.10	26.06	8.15	8.16	32.63	32.63	85.00	87.25	6.18	6.19	5.83	5.87			-	
			18:16	8.1	1.0	26.00		8.16		32.62		89.50		6.20		5.90			-		-
	16/10/2023	Cloudy	7:05	8.4	1.0	25.50	25.55	7.87	7.88	32.69	32.68	83.40	83.45	6.14	6.15	7.48	7.39			12.3	
			7:06	8.4	1.0	25.60		7.89		32.67		83.50		6.15		7.29			11.8		12.1
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																		
	20/10/2023	Cloudy	10:15	8.4	1.0	24.90	24.95	7.77	7.78	32.93	32.94	83.00	83.10	6.23	6.24	24.20	24.14			19.0	
			10:16	8.4	1.0	25.00		7.79		32.95		83.20		6.25		24.07			21.0		20.0
	23/10/2023	Fine	18:00	8.3	1.0	24.10	24.20	8.05	8.06	33.20	33.21	83.00	83.70	6.23	6.26	10.09	10.18			12.2	
			18:01	8.3	1.0	24.30		8.07		33.22		84.40		6.28		10.27			12.4		12.3
	25/10/2023	Cloudy	16:58	8.7	1.0	24.70	24.80	8.06	8.07	33.38	33.39	81.80	81.95	6.18	6.19	6.77	6.70			5.5	
			16:59	8.7	1.0	24.90		8.07		33.40		82.10		6.19		6.62			5.8		5.7
	27/10/2023	Cloudy	19:00	8.2	1.0	25.00	25.05	8.08	8.09	33.43	33.43	82.60	83.25	6.19	6.22	4.87	4.42			3.1	
			19:01	8.2	1.0	25.10		8.10		33.42		83.90		6.24		3.96			3.2		3.2
30/10/2023	Cloudy	19:16	8.3	1.0	26.96	26.95	8.92	8.89	30.28	30.26	98.00	98.00	6.62	6.63	4.65	3.76			3.5		
		19:17	8.3	1.0	26.93		8.85		30.24		98.00		6.63		2.86			3.4		3.5	

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
CF	3/10/2023	Fine	15:06	8.7	4.4	27.60	27.70	8.14	8.14	32.03	32.03	84.10	83.05	6.22	6.18	6.12	6.18	5.8	5.4		
			15:07	8.7	4.4	27.80		8.14	8.14	32.03	32.03	82.00	83.05	6.14	6.18	6.23	6.18	4.9			
			16:09	8.5	4.3	27.60		27.75	8.18	8.17	33.19	33.20	85.00	84.95	6.11	6.11	7.69	7.80	5.6	5.7	
	5/10/2023	Fine	16:10	8.5	4.3	27.90	27.90	8.16	8.17	33.20	33.20	84.90	84.95	6.10	6.11	7.90	7.90	5.8	5.7		
			WQM was cancelled due to adverse weather																		
			WQM was cancelled due to adverse weather																		
	7/10/2023	Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																		
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																		
	11/10/2023	Cloudy	17:58	8.2	4.1	25.40	25.45	8.13	8.14	32.66	32.67	81.40	81.30	6.09	6.10	8.07	8.11	5.6	5.4		
			17:59	8.2	4.1	25.50		8.14	8.14	32.68	32.67	81.20	81.30	6.10	6.10	8.14	8.11	5.2	5.4		
	13/10/2023	Fine	11:22	8.7	4.4	25.30	25.25	7.90	7.89	32.33	32.32	82.40	82.25	6.19	6.19	10.54	10.57	-	-		
			11:23	8.7	4.4	25.20		7.88	7.88	32.31	32.31	82.10	82.25	6.18	6.19	10.60	10.57	-	-		
	16/10/2023	Cloudy	14:12	8.7	4.4	25.00	25.00	8.18	8.18	32.60	32.61	83.10	83.40	6.18	6.21	12.82	12.68	7.6	7.8		
			14:13	8.7	4.4	25.00		8.18	8.18	32.62	32.61	83.70	83.40	6.24	6.21	12.53	12.68	7.9	7.8		
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																		
	20/10/2023	Cloudy	16:26	8.7	4.4	24.90	24.85	8.10	8.11	33.08	33.08	84.20	83.60	6.25	6.23	10.68	10.71	12.0	12.2		
			16:27	8.7	4.4	24.80		8.11	8.11	33.07	33.08	83.00	83.60	6.20	6.23	10.73	10.71	12.4	12.2		
	23/10/2023	Fine	7:29	8.5	4.3	24.10	24.10	7.74	7.75	33.16	33.18	83.40	84.30	6.19	6.23	13.78	13.90	11.2	11.0		
			7:30	8.5	4.3	24.10		7.75	7.75	33.19	33.18	85.20	84.30	6.27	6.23	14.01	13.90	10.8	11.0		
	25/10/2023	Cloudy	8:52	8.3	4.2	24.60	24.55	7.96	7.96	33.31	33.31	83.00	82.65	6.19	6.17	7.92	7.91	5.0	4.8		
			8:53	8.3	4.2	24.50		7.95	7.95	33.30	33.31	82.30	82.65	6.14	6.17	7.89	7.91	4.6	4.8		
	27/10/2023	Cloudy	10:30	8.8	4.4	24.80	24.80	8.04	8.04	33.41	33.41	83.10	83.20	6.17	6.18	6.42	6.37	6.7	6.6		
			10:31	8.8	4.4	24.80		8.04	8.04	33.41	33.41	83.30	83.20	6.18	6.18	6.32	6.37	6.4	6.6		
	30/10/2023	Cloudy	12:29	8.6	4.3	26.24	26.22	8.23	8.25	29.99	30.16	114.70	114.20	7.82	7.79	6.92	6.45	8.0	8.4		
			12:30	8.6	4.3	26.19		8.26	8.25	30.33	30.16	113.70	114.20	7.75	7.75	5.97	6.45	8.8	8.4		

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 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
CF	3/10/2023	Fine	8:38	8.4	4.2	27.80	27.85	7.91	7.91	32.04	32.04	80.20	80.40	6.15	6.18	4.28	4.21	4.7	4.7		
			8:39	8.4	4.2	27.90		7.90	7.90	32.04	32.04	80.60	80.45	6.20	6.08	4.13	4.21	4.6	4.7		
			10:26	8.3	4.2	27.60		27.50	8.08	8.08	32.90	32.92	80.10	80.45	6.03	6.06	8.38	8.29	5.0	5.2	
	5/10/2023	Fine	10:27	8.3	4.2	27.40	27.40	8.07	8.07	32.93	32.93	80.80	80.45	6.08	6.06	8.20	8.29	5.4	5.2		
			WQM was cancelled due to adverse weather																		
			WQM was cancelled due to adverse weather																		
	7/10/2023	Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																		
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																		
	11/10/2023	Cloudy	9:52	8.6	4.3	26.30	26.25	7.93	7.92	32.69	32.70	81.60	82.05	6.08	6.10	7.35	7.41	7.1	7.0		
			9:53	8.6	4.3	26.20		7.90	7.92	32.70	32.70	82.50	82.05	6.12	6.10	7.47	7.41	6.9	7.0		
	13/10/2023	Fine	18:19	8.1	4.1	26.20	26.10	8.15	8.15	32.63	32.63	90.20	89.85	6.28	6.24	7.28	7.24	-	-		
			18:20	8.1	4.1	26.00		8.14	8.15	32.63	32.63	89.50	89.85	6.20	6.24	7.19	7.24	-	-		
	16/10/2023	Cloudy	7:09	8.4	4.2	25.50	25.45	7.90	7.91	32.70	32.71	84.60	84.35	6.22	6.20	9.35	9.42	13.1	13.3		
			7:10	8.4	4.2	25.40		7.91	7.91	32.71	32.71	84.10	84.35	6.18	6.20	9.48	9.42	13.5	13.3		
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																		
	20/10/2023	Cloudy	10:19	8.4	4.2	24.80	24.80	7.80	7.81	33.00	33.01	83.00	83.10	6.19	6.22	25.19	25.25	25.4	25.9		
			10:20	8.4	4.2	24.80		7.81	7.81	33.01	33.01	83.20	83.10	6.25	6.22	25.30	25.25	26.3	25.9		
	23/10/2023	Fine	18:04	8.3	4.2	24.20	24.10	8.07	8.06	33.19	33.19	82.80	82.50	6.20	6.16	12.90	12.56	10.6	10.9		
			18:05	8.3	4.2	24.00		8.05	8.06	33.18	33.19	82.20	82.50	6.11	6.16	12.21	12.56	11.1	10.9		
	25/10/2023	Cloudy	17:02	8.7	4.4	24.60	24.60	8.06	8.06	33.40	33.40	81.20	81.35	6.16	6.17	9.57	9.59	6.6	6.5		
			17:03	8.7	4.4	24.60		8.06	8.06	33.39	33.40	81.50	81.35	6.17	6.17	9.60	9.59	6.3	6.5		
	27/10/2023	Cloudy	19:04	8.2	4.1	24.80	24.80	8.08	8.08	33.42	33.42	83.70	83.75	6.23	6.24	4.12	4.06	2.9	2.9		
			19:05	8.2	4.1	24.80		8.08	8.08	33.42	33.42	83.80	83.75	6.24	6.24	4.00	4.06	2.8	2.9		
	30/10/2023	Cloudy	19:20	8.3	4.2	26.81	26.78	8.89	8.89	30.33	30.41	88.80	88.15	6.28	6.24	4.85	4.35	5.6	5.6		
			19:21	8.3	4.2	26.71		8.89	8.89	30.49	30.41	87.50	88.15	6.20	6.24	3.84	4.35	5.6	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 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	3/10/2023	Fine	15:09	8.7	7.7	27.60	27.60	8.15	8.16	32.02	32.03	82.20	82.85	6.12	6.16	5.66	5.60	4.9	5.3		
			15:10	8.7	7.7	27.60	27.60	8.17	8.17	32.03	32.03	83.50	82.85	6.19	6.16	5.53	5.60	5.6	5.3		
			16:12	8.5	7.5	27.60	27.55	8.17	8.17	33.30	33.30	83.60	83.20	6.09	6.04	9.48	9.38	6.9	6.7		
	5/10/2023	Fine	16:13	8.5	7.5	27.50	27.50	8.16	8.17	33.29	33.30	82.80	83.20	6.04	6.07	9.27	9.38	6.5	6.7		
			WQM was cancelled due to adverse weather																		
	7/10/2023	Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																		
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																		
	11/10/2023	Cloudy	18:01	8.2	7.2	25.60	25.65	8.15	8.16	32.68	32.67	80.30	80.60	5.94	5.96	8.25	8.18	4.5	4.4		
			18:02	8.2	7.2	25.70	25.70	8.16	8.16	32.66	32.67	80.90	80.60	5.98	5.96	8.11	8.18	4.2	4.4		
	13/10/2023	Fine	11:25	8.7	7.7	25.20	25.30	7.91	7.93	32.67	32.66	81.80	81.60	6.16	6.15	11.02	10.95	-	-		
			11:26	8.7	7.7	25.40	25.30	7.94	7.93	32.65	32.66	81.40	81.60	6.13	6.15	10.87	10.95	-	-		
	16/10/2023	Cloudy	14:15	8.7	7.7	25.20	25.25	8.17	8.18	32.71	32.71	83.40	83.80	6.19	6.22	10.97	11.00	6.6	6.7		
			14:16	8.7	7.7	25.30	25.30	8.18	8.18	32.70	32.70	84.20	83.80	6.25	6.22	11.02	11.00	6.8	6.7		
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																		
	20/10/2023	Cloudy	16:29	8.7	7.7	24.50	24.60	8.10	8.11	33.15	33.16	84.30	84.20	6.27	6.27	13.01	12.97	11.0	11.1		
			16:30	8.7	7.7	24.70	24.60	8.11	8.11	33.16	33.16	84.10	84.20	6.26	6.27	12.92	12.97	11.1	11.1		
	23/10/2023	Fine	7:32	8.5	7.5	24.00	24.00	7.86	7.82	33.19	33.19	83.40	82.50	6.20	6.14	14.25	14.21	10.5	10.4		
			7:33	8.5	7.5	24.00	24.00	7.78	7.82	33.19	33.19	81.60	82.50	6.08	6.14	14.16	14.21	10.2	10.4		
	25/10/2023	Cloudy	8:55	8.3	7.3	24.50	24.50	7.98	7.98	33.35	33.34	82.00	82.20	6.13	6.14	7.77	7.79	3.8	4.0		
			8:56	8.3	7.3	24.50	24.50	7.98	7.98	33.33	33.34	82.40	82.20	6.15	6.14	7.81	7.79	4.1	4.0		
	27/10/2023	Cloudy	10:33	8.8	7.8	24.90	24.85	8.04	8.05	33.42	33.42	81.30	80.90	6.04	6.05	7.17	7.15	7.1	7.3		
			10:34	8.8	7.8	24.80	24.85	8.05	8.05	33.41	33.42	80.50	80.90	6.05	6.05	7.13	7.15	7.5	7.3		
	30/10/2023	Cloudy	12:32	8.6	7.6	26.34	26.32	8.27	8.25	30.25	30.26	110.80	110.40	7.53	7.50	6.13	5.79	7.2	7.1		
12:33			8.6	7.6	26.30	26.32	8.22	8.25	30.27	30.26	110.00	110.40	7.47	7.50	5.45	5.79	7.0	7.1			

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 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
						WQM was cancelled due to adverse weather															
CF	3/10/2023	Fine	8:41	8.4	7.4	27.80	27.90	7.92	7.93	32.09	32.10	81.10	80.85	6.23	6.21	7.04	7.08	4.9	4.5		
			8:42	8.4	7.4	27.80	27.90	7.94	7.93	32.10	32.10	80.60	80.85	6.19	6.21	7.12	7.08	4.0	4.5		
			10:29	8.3	7.3	27.30	27.30	8.09	8.09	33.18	33.17	82.70	82.40	6.16	6.18	8.61	8.59	4.4	4.6		
	5/10/2023	Fine	10:30	8.3	7.3	27.30	27.30	8.09	8.09	33.15	33.17	82.10	82.40	6.19	6.18	8.57	8.59	4.8	4.6		
			WQM was cancelled due to adverse weather																		
	7/10/2023	Strong Wind Signal no. 3	WQM was cancelled due to adverse weather																		
	9/10/2023	Strong Wind Signal no. 8	WQM was cancelled due to adverse weather																		
	11/10/2023	Cloudy	9:55	8.6	7.6	25.00	25.05	7.99	7.98	32.73	32.74	84.00	83.35	6.23	6.21	7.78	7.86	6.4	6.2		
			9:56	8.6	7.6	25.10	25.05	7.96	7.98	32.74	32.74	82.70	83.35	6.18	6.21	7.93	7.86	6.0	6.2		
	13/10/2023	Fine	18:22	8.1	7.1	25.90	25.90	8.16	8.16	32.64	32.65	84.70	84.75	6.06	6.07	8.01	8.09	-	-		
			18:23	8.1	7.1	25.90	25.90	8.16	8.16	32.65	32.65	84.80	84.75	6.08	6.07	8.16	8.09	-	-		
	16/10/2023	Cloudy	7:12	8.4	7.4	25.30	25.35	7.94	7.95	32.74	32.74	83.40	83.90	6.22	6.25	8.16	8.14	14.9	14.7		
			7:13	8.4	7.4	25.40	25.35	7.96	7.95	32.74	32.74	84.40	83.90	6.28	6.25	8.11	8.14	14.4	14.7		
	18/10/2023	Strong Monsoon Signal	WQM was cancelled due to adverse weather																		
	20/10/2023	Cloudy	10:22	8.4	7.4	24.70	24.75	7.81	7.81	33.06	33.07	82.10	82.30	6.19	6.20	25.31	25.29	25.5	25.9		
			10:23	8.4	7.4	24.80	24.75	7.81	7.81	33.08	33.07	82.50	82.30	6.21	6.20	25.27	25.29	26.3	25.9		
	23/10/2023	Fine	18:07	8.3	7.3	24.20	24.45	8.04	8.05	33.22	33.23	84.10	83.80	6.22	6.21	13.22	13.15	10.0	10.1		
			18:08	8.3	7.3	24.70	24.45	8.05	8.05	33.24	33.23	83.50	83.80	6.19	6.21	13.08	13.15	10.2	10.1		
	25/10/2023	Cloudy	17:05	8.7	7.7	24.50	24.60	8.07	8.07	33.39	33.39	80.10	80.20	6.07	6.08	8.71	8.77	7.2	7.0		
			17:06	8.7	7.7	24.70	24.60	8.06	8.07	33.39	33.39	80.30	80.20	6.08	6.08	8.83	8.77	6.8	7.0		
	27/10/2023	Cloudy	19:07	8.2	7.2	24.80	24.85	8.09	8.10	33.39	33.42	80.50	80.40	6.17	6.16	2.86	2.94	2.5	2.4		
			19:08	8.2	7.2	24.90	24.85	8.10	8.10	33.45	33.45	80.30	80.40	6.14	6.16	3.01	2.94	2.3	2.4		
	30/10/2023	Cloudy	18:23	8.3	7.3	26.64	26.61	8.82	8.93	30.17	30.23	88.30	87.70	6.26	6.21	4.48	4.64	5.6	5.8		
18:24			8.3	7.3	26.58	26.61	8.94	8.93	30.29	30.23	87.10	87.70	6.16	6.21	4.79	4.64	6.0	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 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	2/8/2023	Fine	11:25	8.7	7.7	27.10															
			11:26	8.7	7.7	27.20	27.15	8.16	8.17	30.31	30.32	83.90	83.65	6.24	6.22	2.96	2.99	1.6	1.7		
	4/8/2023	Fine	14:31	8.4	7.4	27.90	27.95	8.45	8.45	30.50	30.51	84.60	84.15	6.16	6.16	2.00	2.06	5.2	5.5		
			14:32	8.4	7.4	28.00		8.45		30.51		83.70		6.16		2.11		5.7			
	7/8/2023	Fine	16:37	8.5	7.5	26.80	26.80	8.14	8.15	31.44	31.43	80.60	81.20	5.89	5.92	1.21	1.25	3.5	3.4		
			16:38	8.5	7.5	26.80		8.16		31.42		81.80		5.94		1.28		3.2			
	9/8/2023	Fine	6:57	8.2	7.2	27.60	27.55	8.05	8.05	30.73	30.83	83.10	82.55	6.17	6.13	2.03	2.06	4.4	4.5		
			6:58	8.2	7.2	27.50		8.05		30.92		82.00		6.09		2.09		4.6			
	11/8/2023	Cloudy	8:25	8.5	7.5	25.80	25.85	7.96	7.96	33.13	33.12	83.90	83.95	6.24	6.25	1.10	1.09	3.4	3.6		
			8:26	8.5	7.5	25.90		7.96		33.11		84.00		6.25		1.08		3.8			
	14/8/2023	Fine	10:15	8.6	7.6	26.20	26.25	8.12	8.13	29.97	29.97	84.70	84.75	6.06	6.07	1.22	1.20	1.6	1.8		
			10:16	8.6	7.6	26.30		8.13		29.97		84.80		6.08		1.17		1.9			
	16/8/2023	Cloudy	11:53	8.8	7.8	26.70	26.70	8.17	8.17	30.30	30.31	82.90	83.85	6.20	6.24	0.95	1.03	2.6	2.8		
			11:54	8.8	7.8	26.70		8.16		30.32		84.80		6.27		1.11		2.9			
	18/8/2023	Fine	13:44	8.8	7.8	27.20	27.10	8.17	8.17	31.19	31.18	83.90	83.95	6.24	6.25	2.57	2.45	3.5	3.7		
			13:45	8.8	7.8	27.30		8.17		31.16		84.00		6.25		2.32		3.8			
	21/8/2023	Fine	15:23	8.8	7.8	27.10	27.10	8.03	8.03	31.68	31.67	80.70	81.30	6.06	6.10	2.76	2.65	2.3	2.8		
			15:24	8.8	7.8	27.10		8.05		31.65		81.90		6.13		2.54		3.3			
	23/8/2023	Fine	16:44	8.7	7.7	27.40	27.30	8.15	8.16	31.45	31.44	82.30	83.00	6.13	6.18	3.20	3.11	4.0	3.8		
			16:45	8.7	7.7	27.20		8.16		31.43		83.70		6.22		3.01		3.6			
	25/8/2023	Fine	6:59	8.5	7.5	27.86	27.78	7.79	7.83	29.46	29.44	108.90	108.30	7.28	7.24	2.32	2.37	3.2	3.1		
			7:00	8.5	7.5	27.70		7.87		29.42		107.70		7.19		2.41		2.9			
	28/8/2023	Fine	8:52	8.7	7.7	29.00	28.97	8.78	8.80	26.63	26.60	105.60	102.55	7.01	6.81	2.73	2.81	2.2	3.1		
			8:53	8.7	7.7	28.93		8.81		26.57		99.50		6.61		2.89		2.9			
	30/8/2023	Fine	10:32	8.8	7.8	25.60	25.60	8.09	8.10	30.50	30.50	84.90	84.75	6.61	6.11	2.18	2.28	2.6	2.8		
			10:33	8.8	7.8	25.60		8.10		30.50		84.60		6.08		2.37		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
CF	2/8/2023	Fine	18:48	8.1	7.1	27.90	27.95	8.38	8.39	29.65	29.65	87.40	87.35	6.15	6.15	2.45	2.51	5.8	6.0
			18:49	8.1	7.1	28.00		8.39		29.65		87.30		6.14		2.57		6.2	
	4/8/2023	Fine	7:14	8.5	7.5	28.00	28.00	8.18	8.17	30.46	30.46	88.60	88.55	6.13	6.13	1.21	1.25	3.0	3.1
			7:15	8.5	7.5	28.00		8.16		30.45		88.50		6.12		1.28		3.2	
	7/8/2023	Fine	9:32	8.2	7.2	27.00	27.00	8.08	8.09	30.65	30.66	91.30	90.35	6.31	6.29	3.90	3.89	5.3	5.2
			9:33	8.2	7.2	27.00		8.09		30.67		89.40		6.27		3.87		5.1	
	9/8/2023	Fine	13:48	8.5	7.5	27.60	27.60	8.19	8.18	31.09	31.09	83.10	84.00	6.18	6.22	2.15	2.23	7.8	8.0
			13:49	8.5	7.5	27.60		8.17		31.09		84.90		6.26		2.30		8.2	
	11/8/2023	Cloudy	17:42	8.2	7.2	26.50	26.60	8.25	8.26	31.89	31.89	84.00	83.50	6.20	6.22	1.59	1.64	2.3	2.2
			17:43	8.2	7.2	26.70		8.26		31.89		83.00		6.23		1.68		2.1	
	14/8/2023	Fine	18:36	8.2	7.2	26.10	26.05	8.31	8.31	30.44	30.44	84.00	83.10	6.25	6.19	2.10	2.20	2.4	2.6
			18:37	8.2	7.2	26.00		8.30		30.43		82.20		6.12		2.29		2.8	
	16/8/2023	Cloudy	18:51	8.3	7.3	26.80	26.65	8.50	8.52	31.24	31.23	80.80	80.50	6.12	6.08	3.30	3.28	3.0	3.1
			18:52	8.3	7.3	26.50		8.53		31.22		80.20		6.04		3.26		3.2	
	18/8/2023	Fine	6:55	8.5	7.5	26.50	26.55	8.33	8.33	31.68	31.67	82.00	82.85	6.02	6.08	1.77	1.64	2.7	3.1
			6:56	8.5	7.5	26.60		8.33		31.66		83.70		6.14		1.50		3.5	
	21/8/2023	Fine	8:10	8.4	7.4	26.50	26.60	8.27	8.27	31.70	31.70	82.00	82.55	6.12	6.15	2.48	2.42	3.0	3.1
			8:11	8.4	7.4	26.70		8.26		31.70		83.10		6.18		2.35		3.2	
	23/8/2023	Fine	9:50	8.2	7.2	27.10	27.20	8.09	8.10	31.32	31.33	88.60	89.15	6.13	6.18	2.36	2.48	2.6	2.5
			9:51	8.2	7.2	27.30		8.10		31.33		89.70		6.23		2.60		2.4	
	25/8/2023	Fine	17:12	8.2	7.2	28.42	28.40	9.28	9.26	28.24	28.36	98.10	96.10	6.52	6.44	1.89	1.96	2.6	2.8
			17:13	8.2	7.2	28.38		9.23		28.47		94.10		6.35		2.02		2.9	
	28/8/2023	Fine	17:59	8.2	7.2	29.58	29.59	9.78	9.71	27.05	26.99	100.00	99.75	6.56	6.55	2.73	2.81	1.7	1.8
			18:00	8.2	7.2	29.59		9.63		26.92		99.50		6.53		2.89		1.9	
	30/8/2023	Fine	18:46	8.1	7.1	25.80	25.85	8.15	8.15	31.13	30.63	80.00	80.20	5.84	5.85	2.21	2.24	3.0	2.9
			18:47	8.1	7.1	25.90		8.14		30.13		80.40		5.86		2.26		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.



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

Quarterly Summary Waste Flow Table for 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 ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)
Aug	1.31	0.00	0.00	0.00	1.31	0.00	0.00	0.02	0.01	0.00	5.85
Sept	0.11	0.00	0.00	0.00	0.11	0.00	0.00	0.04	0.01	0.00	11.98
Oct	0.56	0.00	0.00	0.00	0.56	0.00	0.00	0.06	0.00	0.00	14.19
Total	1.98	0.00	0.00	0.00	1.98	0.00	0.01	0.12	0.02	0.00	32.02

- 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/m³.