



**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 (May 2024–
July 2024)

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
MAY TO JULY 2024
REVISION 1

CLIENTS:

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CERTIFIED BY:

A handwritten signature in blue ink, appearing to be "Derek Lo".

Environmental Team Leader

Derek Lo

DATE:

18 December 2024

Our Ref: 7076811/L31621/AC/KL/TK/KCL/rw

24 December 2024

Drainage Services Department
Sewage Services Branch
Consultants Management Division Group 4
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5 Gloucester Road
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Attn: Mr. Chan Ka Keung

By Email and Post
(kkchan06@dsd.gov.hk)

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 (May 2024 – July 2024)

With reference to the Quarterly EM&A Summary Report (May 2024 – July 2024) Revision 1 certified by the ET Leader on 18th December 2024, 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. 3995-8100 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	by email
	KLCW-JV	-	Mr Daniel CHU	by email



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EXECUTIVE SUMMARY

i. This is the Quarterly Environmental Monitoring and Audit (EM&A) Summary Report – [May 2024 to July 2024](#) 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 [1 May to 31 July 2024](#).

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

May 2024	June 2024	July 2024
- 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) - Removal works of Excavation and Lateral Support (ELS) - Excavation and Lateral Support (ELS) works - Superstructure Reinforced Concrete (RC) Works	- Excavation, sewer laying, construction of manhole at Pui O Lo Uk Tsuen, South Lantau Road, Chi Ma Wan Road - Excavation and site formation at San Shek Wan Sewage Treatment Works (SSWSTW) and Pui O Sewage Pumping Station (POSPS) - Removal works of Excavation and Lateral Support (ELS) - Excavation and Lateral Support (ELS) works - Superstructure Reinforced Concrete (RC) Works - Electrical and Mechanical (E&M) Installation at Pui O Sewage Pumping Station (POSPS)	- Excavation, sewer laying, construction of manhole at Pui O Lo Uk Tsuen, South Lantau Road, Chi Ma Wan Road - Excavation and site formation at San Shek Wan Sewage Treatment Works (SSWSTW) and Pui O Sewage Pumping Station (POSPS) - Removal works of Excavation and Lateral Support (ELS) - Excavation and Lateral Support (ELS) works - Superstructure Reinforced Concrete (RC) Works - Electrical and Mechanical (E&M) Installation at Pui O Sewage Pumping Station (POSPS)

Exceedances of Action/Limit Levels

Noise Monitoring

iii. Noise monitoring was conducted at eight (8) noise monitoring stations (N12a, N12b, N13, N14, N15b, N16a, N16b and N17) once per week in the reporting period.

iv. School examination was taken place at N17 – Bui O Public School from 3 to 7 June 2024 in the reporting period, the limit level of noise monitoring station N17-Bui O Public School was adjusted accordingly to 65dB(A) during the 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. For May 2024, water quality monitoring on 4 (mid-ebb and mid-flood) and 29 (mid-ebb and mid-flood) May 2024 were cancelled due to Red Rainstorm and Strong Monsoon Signal respectively. For June 2024, water quality monitoring (mid-ebb and mid-flood) on 15 June 2024 were cancelled due to Amber Rainstorm Signal was in force from 06:00 to 08:10 and unstable weather condition forecast. For July 2024, Water quality monitoring on 26 July 2024(mid-ebb and mid-flood) and 31 July 2024(mid-ebb) were cancelled due to Strong Monsoon Signal and Amber Rainstorm Signal were in force respectably during the scheduled sampling time slots. 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. According to the Contractor's construction programme and confirmed with Engineer Representative, there is no potential marine work until further notice. As such, pursuant to Condition 3.1 of the Environmental Permit No. EP-538/2017, proposal of temporary suspension of impact marine water quality monitoring starting from 17 July 2024 was submitted to EPD on 12 July 2024 for approval. This proposal was reviewed and verified by the Independent Environmental Checker (IEC), SMEC Asia Limited. The impact marine water quality monitoring will be continued and reported in the monthly EM&A reports until EPD approval for the proposed suspension of the monitoring works has been granted.

ix. In accordance with the action level and limit level in Baseline Monitoring Report Rev. 9.2 agreed by EPD on 2 September 2022, 5 action level and 3 limit level exceedances were recorded in the reporting quarter.

- x. For June 2024, 2 limit level exceedances on SS at SR4 and SR5 during ebb tide on 24 June 2024 were recorded. Checked with contractor, no marine works on 24 June 2024, no marine works has been carried out since January 2024. No exceedances was recorded in the subsequent monitoring on 26 and 28 June 2024 both ebb and flood tide. It can be concluded that the SS exceedances were possibly due to natural variation or changes of water quality in the vicinity of water quality monitoring station and considered that the exceedance was not related to Project works.
- xi. For July 2024, action level exceedances for suspended solids (SS) were recorded at WQM station SR5 and SR6 during mid-ebb tide on 12 July 2024, SR10 and SR12 during mid-flood tide on 22 July 2024 and SR4 during mid-ebb tide on 24 July 2024, limit level exceedances for SS was recorded at station SR15 during mid-ebb tide on 24 July 2024. As no marine work were ongoing since Jan 2024, no sign of pollution was observed during site inspection or marine water samples collection, it is considered that the exceedance was not related to Project works.

Ecological Impact Monitoring

- xii. Transplanting works for plant species, *Aquilaris sinensis*, was completed on 26 April 2022. Maintenance works for trees in holding nursery have commenced.
- xiii. 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.
- xiv. The weekly site audit was carried out by ET include checking whether good site practices are being properly implemented by the Contractor.
- xv. The extent of the work site boundaries was checked by the ET during the weekly site audit.

Complaint log

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

Notifications of Any Summons and Successful Prosecutions

- xvii. 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 Yeung	6128 2606	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 For May 2024, water quality monitoring on 4 (mid-ebb and mid-flood) and 29 (mid-ebb and mid-flood) May 2024 were cancelled due to Red Rainstorm and Strong Monsoon Signal respectively. For June 2024, water quality monitoring (mid-ebb and mid-flood) on 15 June 2024 were cancelled due to Amber Rainstorm Signal was in force from 06:00 to 08:10 and unstable weather condition forecast. For July 2024, Water quality monitoring on 26 July 2024 (mid-ebb and mid-flood) and 31 July 2024 (mid-ebb) were cancelled due to Strong Monsoon Signal and

Amber Rainstorm Signal were in force respectably during the scheduled sampling time slots. 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, 5 action level and 3 limit level exceedances were recorded in the reporting quarter.

Ecological monitoring

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

4. Implementation Status

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

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

4.2 Environmental Mitigation Measures

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

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

EP Condition	Submission	Date of Latest Submission to EPD^ / EPD Approval#
Condition 2.10	Waste Management Plan (Rev. 5) (electronic copy)	4 April 2022 [#]
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-RS0065-24	30 Jan 2024	09-02-2024 to 08-08-2024	Valid
Construction Noise Permit under Noise Control Ordinance for POSPS	GW-RS0213-24	15 Mar 2024	27-03-2024 to 26-09-2024	Valid
Marine Dumping Permit (Dredged Sediment Requiring Type 1 – Open Sea Disposal	EP/MD/24-060	27 Feb 2024	01-03-2024 to 31-08-2024	Valid

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

5. Monitoring Results Analysis

5.1 Noise Monitoring

- 5.1.1 Noise monitoring was conducted at eight (8) noise monitoring stations (*N12a, N12b, N13, N14, N15b, N16a, N16b and N17*) once per week in the reporting period.
- 5.1.2 School examination was taken place at N17 – Bui O Public School from 3 to 7 June 2024 in the reporting period, the limit level of noise monitoring station N17-Bui O Public School was adjusted accordingly to 65dB(A) during the 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 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.
- 5.2.5 For May 2024, water quality monitoring on 4 (mid-ebb and mid-flood) and 29 (mid-ebb and mid-flood) May 2024 were cancelled due to Red Rainstorm and Strong Monsoon Signal respectively.
- 5.2.6 For June 2024, water quality monitoring (mid-ebb and mid-flood) on 15 June 2024 were cancelled due to Amber Rainstorm Signal was in force from 06:00 to 08:10 and unstable weather condition forecast.
- 5.2.7 For July 2024, Water quality monitoring on 26 July 2024(mid-ebb and mid-flood) and 31 July 2024(mid-ebb) were cancelled due to Strong Monsoon Signal and Amber Rainstorm Signal were in force respectably during the scheduled sampling time slots.
- 5.2.8 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.
- 5.2.9 According to the Contractor's construction programme and confirmed with Engineer Representative, there is no potential marine work until further notice. As such, pursuant to Condition 3.1 of the Environmental Permit No. EP-538/2017, proposal of temporary suspension of impact marine water quality monitoring starting from 17 July 2024 was submitted to EPD for approval on 12 July 2024. This proposal was reviewed and verified by the Independent Environmental Checker (IEC), SMEC Asia Limited. The impact marine water quality monitoring will be continued and reported in the monthly EM&A reports until EPD approval for the proposed suspension of the monitoring works has been granted.
- 5.2.10 In accordance with the action level and limit level in Baseline Monitoring Report Rev. 9.2 agreed by EPD on 2 September 2022, 5 action level and 3 limit level exceedances were recorded in the reporting quarter.
- 5.2.11 For June 2024, 2 limit level exceedances on SS at SR4 and SR5 during ebb tide on 24 June 2024 were recorded.
- 5.2.12 Limit level exceedances of Depth-averaged on suspended solids (SS) was recorded at SR4 and SR5 on 24 June 2024 from 13:56 to 14:09 during ebb tide, checking with contractor, no marine works has been carried out since January 2024. No exceedances was recorded in the subsequent monitoring on 26 and 28 June 2024 both ebb and flood tide. It can be concluded that the SS exceedances were possibly due to natural variation or changes of water quality in the vicinity of water quality monitoring station and considered that the exceedance was not related to Project works.
- 5.2.13 For July 2024, action level exceedances for suspended solids (SS) were recorded at WQM station SR5 and SR6 during mid-ebb tide on 12 July 2024, SR10 and SR12 during mid-flood tide on 22 July 2024 and SR4 during mid-ebb tide on 24 July 2024, limit level exceedances for SS was recorded at station SR15 during mid-ebb tide on 24 July 2024.
- 5.2.14 As no marine work were ongoing since Jan 2024, no sign of pollution was observed during site inspection or marine water samples collection, it is considered that the exceedance was not related to Project works.

5.3 Ecological Impact Monitoring

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

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

5.4 Waste Management

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

Table 5.1 Summary of Quantities of Waste Material (May, June and July 2024)

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)	5.21	22.27049
Metals (in '000kg)	0	15.68900
Paper / Cardboard Packing (in '000kg)	0.0999	0.77578
Plastics (in '000kg)	0	0.07006
Chemical Wastes (in '000kg)	0	0
General Refuses (in '000kg)	31.64	639.99
Marine Sediment (Type 1 – Open Sea Disposal) , m3	0	60.2

*: 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
May 2024 to July 2024	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

May 2024	June 2024	July 2024
- 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) - Removal works of Excavation and Lateral Support (ELS) - Excavation and Lateral Support (ELS) works - Superstructure Reinforced Concrete (RC) Works	- Excavation, sewer laying, construction of manhole at Pui O Lo Uk Tsuen, South Lantau Road, Chi Ma Wan Road - Excavation and site formation at San Shek Wan Sewage Treatment Works (SSWSTW) and Pui O Sewage Pumping Station (POSPS) - Removal works of Excavation and Lateral Support (ELS) - Excavation and Lateral Support (ELS) works - Superstructure Reinforced Concrete (RC) Works - Electrical and Mechanical (E&M) Installation at Pui O Sewage Pumping Station (POSPS)	- Excavation, sewer laying, construction of manhole at Pui O Lo Uk Tsuen, South Lantau Road, Chi Ma Wan Road - Excavation and site formation at San Shek Wan Sewage Treatment Works (SSWSTW) and Pui O Sewage Pumping Station (POSPS) - Removal works of Excavation and Lateral Support (ELS) - Excavation and Lateral Support (ELS) works - Superstructure Reinforced Concrete (RC) Works - Electrical and Mechanical (E&M) Installation at Pui O Sewage Pumping Station (POSPS)

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 and maintain 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 School examination was taken place at N17 – Bui O Public School from 3 to 7 June 2024 in the reporting period, the limit level of noise monitoring station N17-Bui O Public School was adjusted accordingly to 65dB(A) during the period.
- 8.1.3 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 For May 2024, water quality monitoring on 4 (mid-ebb and mid-flood) and 29 (mid-ebb and mid-flood) May 2024 were cancelled due to Red Rainstorm and Strong Monsoon Signal respectively. For June 2024, water quality monitoring (mid-ebb and mid-flood) on 15 June 2024 were cancelled due to Amber Rainstorm Signal was in force from 06:00 to 08:10 and unstable weather condition forecast. For July 2024, Water quality monitoring on 26 July 2024(mid-ebb and mid-flood) and 31 July 2024(mid-ebb) were cancelled due to Strong Monsoon Signal and Amber Rainstorm Signal were in force respectably during the scheduled sampling time slots. 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.
- 8.2.3 According to the Contractor's construction programme and confirmed with Engineer Representative, there is no potential marine work until further notice. As such, pursuant to Condition 3.1 of the Environmental Permit No. EP-538/2017, proposal of temporary suspension of impact marine water quality monitoring starting from 17 July 2024 was submitted to EPD on 12 July 2024 for approval. This proposal was reviewed and verified by the Independent Environmental Checker (IEC), SMEC Asia Limited. The impact marine water quality monitoring will be continued and reported in the monthly EM&A reports until EPD approval for the proposed suspension of the monitoring works has been granted.
- 8.2.4 In accordance with the action level and limit level in Baseline Monitoring Report Rev. 9.2 agreed by EPD on 2 September 2022, 5 action level and 3 limit level exceedances were recorded in

the reporting quarter. All exceedances recorded in the reporting quarter were considered as non-project related.

- 8.2.5 For June 2024, 2 limit level exceedances on SS at SR4 and SR5 during ebb tide on 24 June 2024 were recorded. Checked with contractor, no marine works on 24 June 2024, no marine works has been carried out since January 2024. No exceedances was recorded in the subsequent monitoring on 26 and 28 June 2024 both ebb and flood tide. It can be concluded that the SS exceedances were possibly due to natural variation or changes of water quality in the vicinity of water quality monitoring station and considered that the exceedance was not related to Project works.
- 8.2.6 For July 2024, action level exceedances for suspended solids (SS) were recorded at WQM station SR5 and SR6 during mid-ebb tide on 12 July 2024, SR10 and SR12 during mid-flood tide on 22 July 2024 and SR4 during mid-ebb tide on 24 July 2024, limit level exceedances for SS was recorded at station SR15 during mid-ebb tide on 24 July 2024. As no marine work were ongoing since Jan 2024, no sign of pollution was observed during site inspection or marine water samples collection, it is considered that the exceedance was not related to Project works.

8.3 Ecological Impact Monitoring

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

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

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

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

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



Figure 2.1

Project Organisation Chart

Project Organization Chart

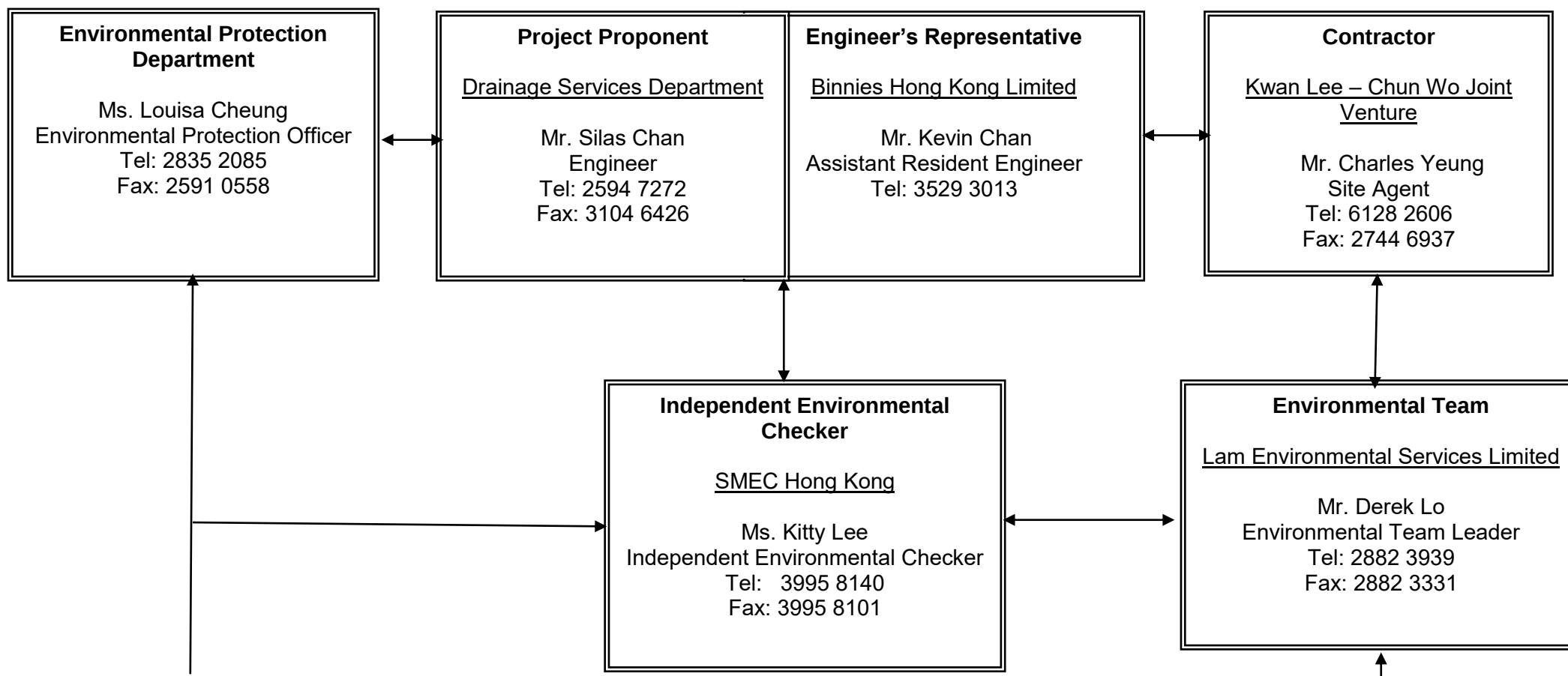
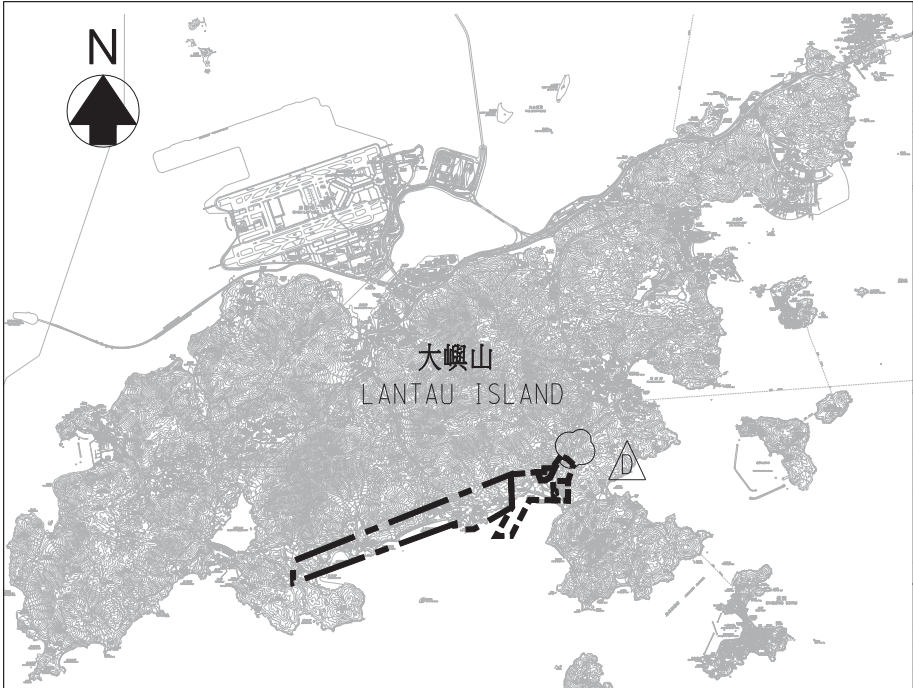


Figure 2.1

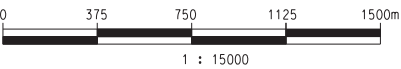
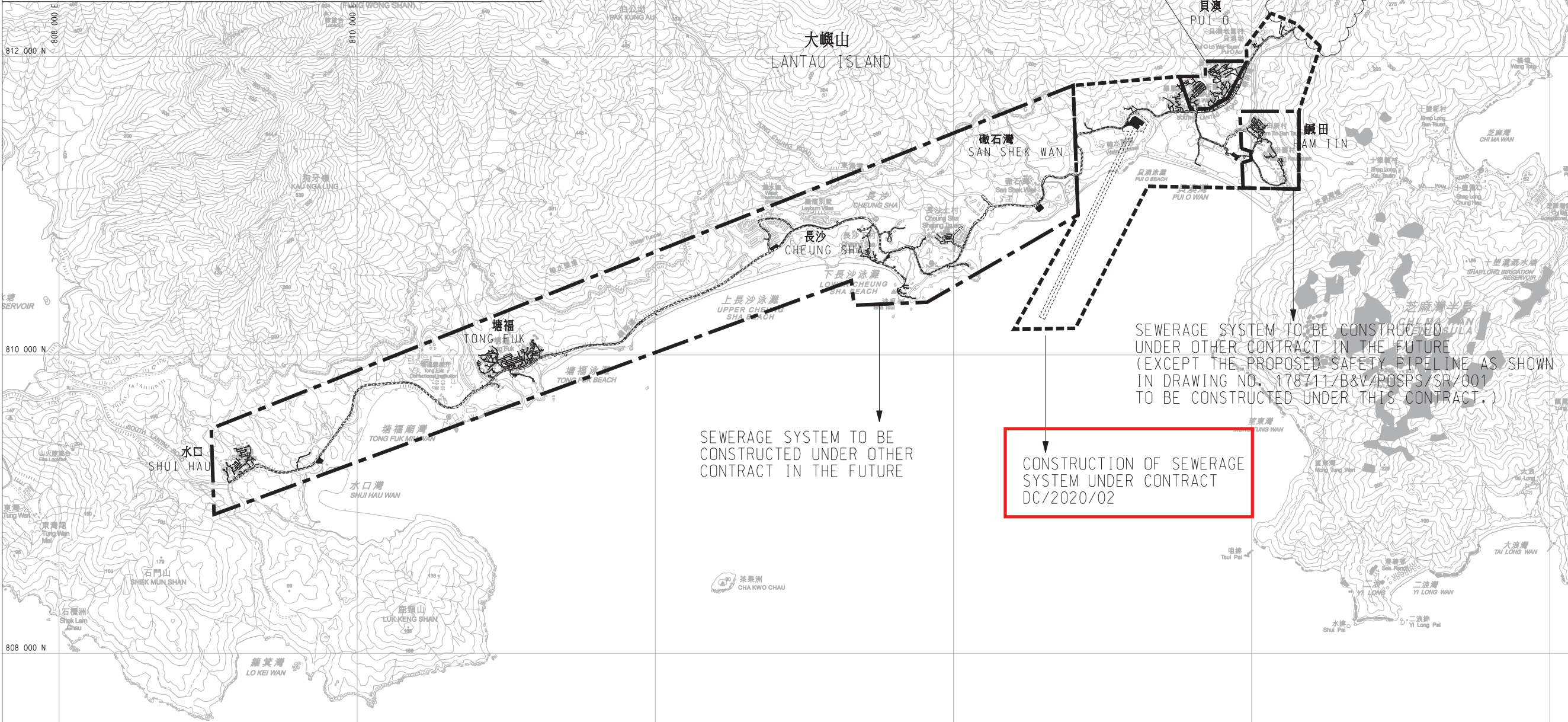


Figure 2.2

Master Layout Plan



SITE PLAN
1:100000



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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
Revision	Date	Description	Initial
	Designed	Checked	Drawn
Initial	TFL	BL	SZ
Date	04/20	04/20	04/20

Approved

Contract no.
DC/2020/02

Contract title
CONSTRUCTION OF SAN SHEK WAN
SEWERAGE 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
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Scale
1 : 15000

香港特別行政區政府渠務署
THE GOVERNMENT OF THE
HONG KONG
SPECIAL ADMINISTRATIVE REGION
DRAINAGE SERVICES DEPARTMENT

BLACK & VEATCH HONG KONG LIMITED
博威工程顧問有限公司



Figure 5.1

Locations of Noise Monitoring Station

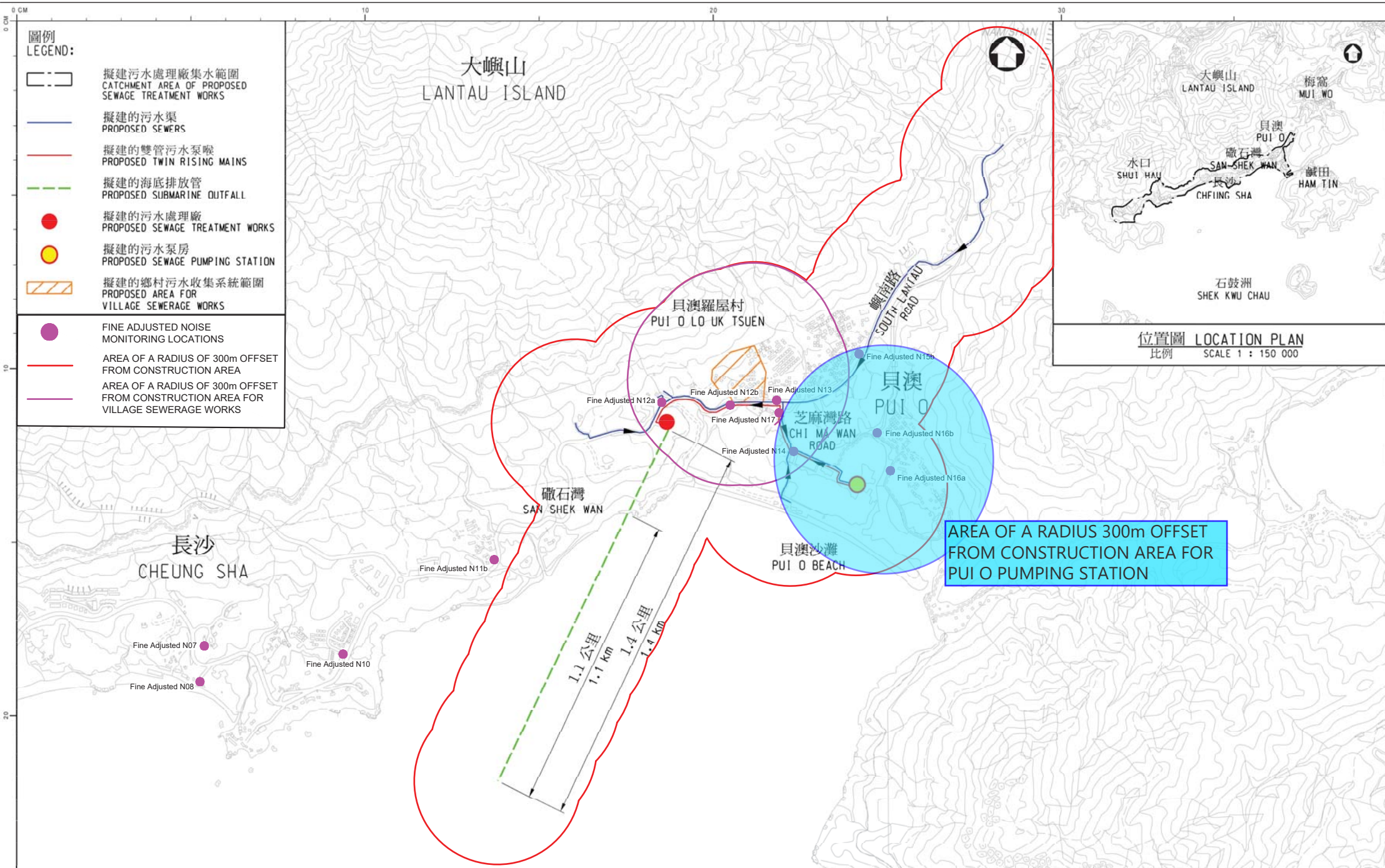
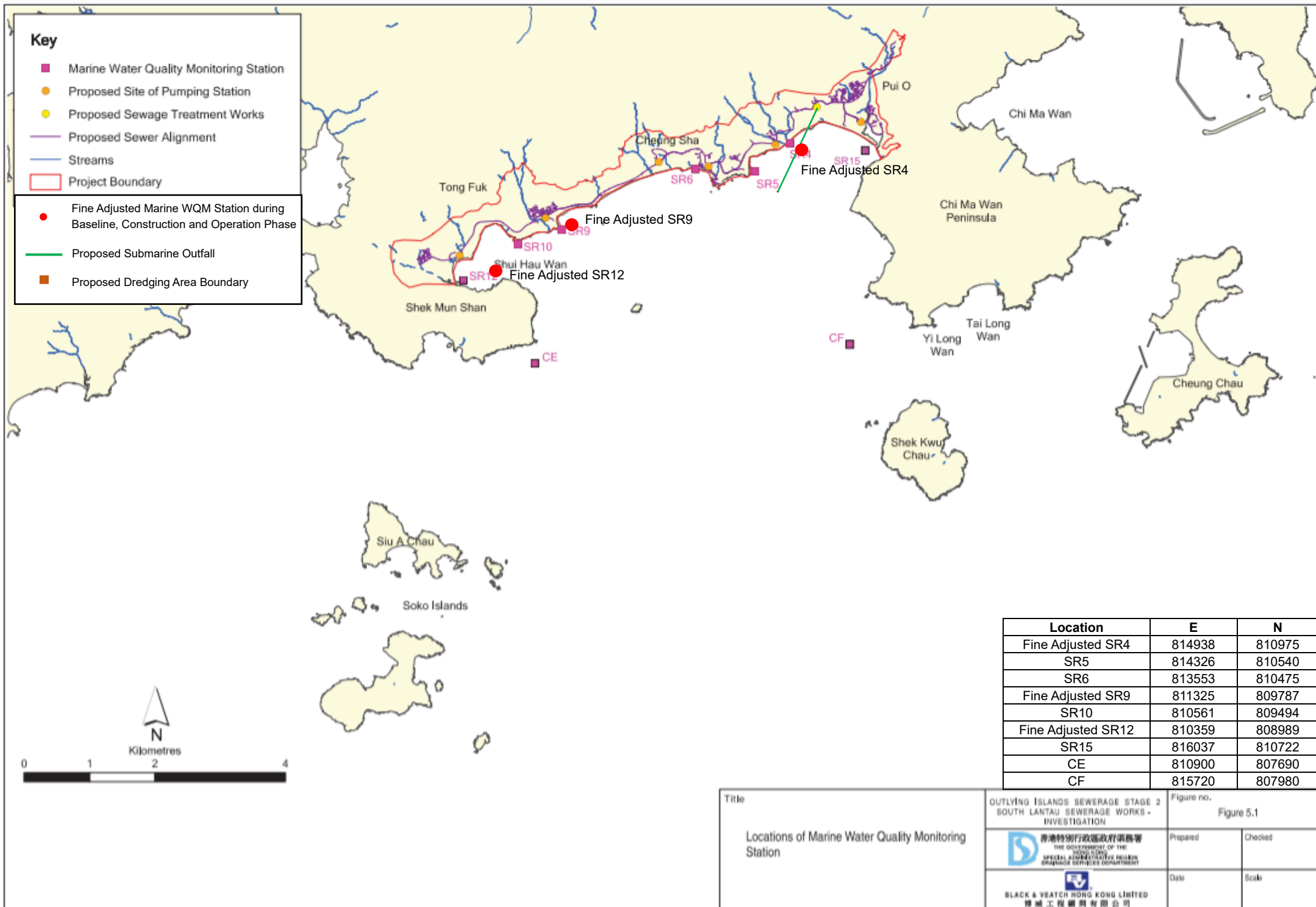




Figure 5.2

Locations of Water Quality Monitoring Stations



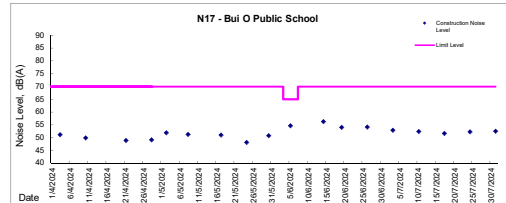
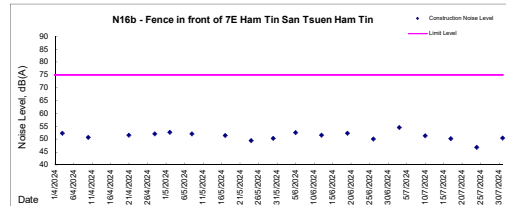
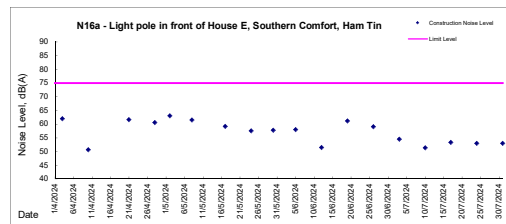
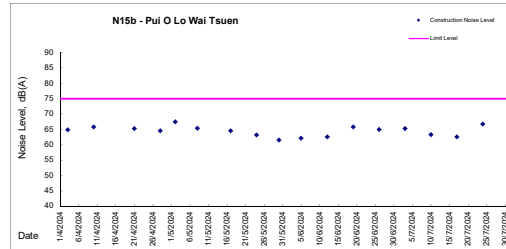
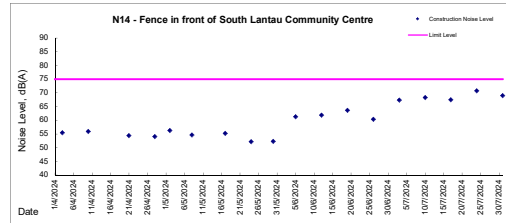
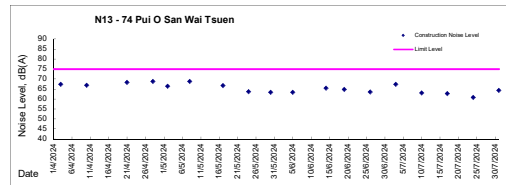
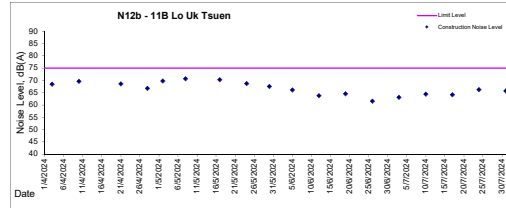
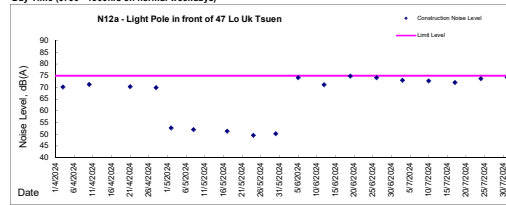


Appendix 5.1

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	Leq	Leq	Leq	Leq		
					Unit: dB(A), (5-min)			Unit: dB(A), (30-min)					
2 May 2024	Sunny	0.0	94.1	14:15	71.4	74.5	60.6	71.0	73.3	<Baseline Level	75	N/A	Traffic
				14:20	70.5	73.6	59.7						
				14:25	69.0	72.1	58.2						
				14:30	70.7	73.8	59.9						
				14:35	72.8	75.9	62.0						
				14:40	70.7	73.8	59.9						
8 May 2024	Sunny	0.0	94.1	14:15	69.6	72.7	58.8	69.5	73.3	<Baseline Level	75	N/A	Traffic
				14:20	69.7	72.8	58.9						
				14:25	68.4	71.5	57.6						
				14:30	68.6	71.7	57.8						
				14:35	70.4	73.5	59.6						
				14:40	69.9	73.0	59.1						
17 May 2024	Cloudy	0.0	94.1	14:15	67.7	70.8	56.9	69.4	73.3	<Baseline Level	75	N/A	Traffic
				14:20	68.6	71.7	57.8						
				14:25	67.4	70.5	56.6						
				14:30	71.2	74.3	60.4						
				14:35	70.4	73.5	59.6						
				14:40	69.7	72.8	58.9						
24 May 2024	Cloudy	0.2	94.1	14:15	64.3	67.4	53.5	65.6	73.3	<Baseline Level	75	N/A	Traffic
				14:20	66.0	69.1	55.2						
				14:25	64.4	67.5	53.6						
				14:30	67.6	70.7	56.8						
				14:35	65.5	68.6	54.7						
				14:40	65.0	68.1	54.2						
30 May 2024	Cloudy	0.1	94.1	14:15	64.2	67.3	53.4	64.7	73.3	<Baseline Level	75	N/A	Traffic
				14:20	64.6	67.7	53.8						
				14:25	63.3	66.4	52.5						
				14:30	65.4	68.5	54.6						
				14:35	65.7	68.8	54.9						
				14:40	64.8	67.9	54.0						

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



Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)

Location: N12b - 11B Lo Uk Tsuen

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construction Noise	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
2 May 2024	Sunny	0.0	94.1	13:40	70.2	73.6	59.1	69.8	76.8	<Baseline Level	75	N/A	Traffic
				13:45	69.2	72.6	58.3						
				13:50	68.0	71.5	56.8						
				13:55	70.7	74.2	59.4						
				14:00	71.0	74.4	59.8						
				14:05	68.9	72.3	57.8						
8 May 2024	Sunny	0.0	94.1	13:40	70.9	74.2	61.3	70.7	76.8	<Baseline Level	75	N/A	Traffic
				13:45	69.2	72.5	59.7						
				13:50	68.1	72.4	58.5						
				13:55	71.3	74.6	61.5						
				14:00	72.7	75.8	63.1						
				14:05	70.7	74.2	61.3						
17 May 2024	Cloudy	0.0	94.1	13:40	68.6	71.1	58.8	70.3	76.8	<Baseline Level	75	N/A	Traffic
				13:45	69.9	72.4	59.2						
				13:50	69.8	72.1	60.1						
				13:55	70.7	73.2	60.9						
				14:00	72.5	74.8	62.7						
				14:05	69.2	71.6	59.3						
24 May 2024	Cloudy	0.2	94.1	13:40	68.1	71.0	59.6	68.7	76.8	<Baseline Level	75	N/A	Traffic
				13:45	68.2	71.3	59.8						
				13:50	67.7	70.6	59.1						
				13:55	70.9	72.0	61.2						
				14:00	69.3	72.2	60.7						
				14:05	66.4	69.3	57.8						
30 May 2024	Cloudy	0.0	94.1	13:40	67.3	70.7	58.4	67.6	76.8	<Baseline Level	75	N/A	Traffic
				13:45	67.0	70.3	58.1						
				13:50	66.3	69.6	57.4						
				13:55	68.7	72.1	59.8						
				14:00	69.1	72.5	60.2						
				14:05	66.6	70.1	57.7						

* 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						
					Unit: dB(A), (5-min)								
Unit: dB(A), (30-min)													
2 May 2024	Sunny	0.0	94.1	11:30	66.7	69.8	57.2	66.3	73.6	<Baseline Level	75	N/A	Traffic
				11:35	67.1	70.3	57.4						
				11:40	66.6	69.9	56.8						
				11:45	65.2	68.3	55.5						
				11:50	65.3	68.5	55.6						
				11:55	66.4	69.6	56.7						
8 May 2024	Sunny	0.0	94.1	11:30	69.8	72.5	59.2	68.7	73.6	<Baseline Level	75	N/A	Traffic
				11:35	67.8	70.3	57.2						
				11:40	69.4	72.1	58.8						
				11:45	66.1	68.8	56.5						
				11:50	68.4	71.2	57.8						
				11:55	69.5	72.2	57.9						
17 May 2024	Cloudy	0.0	94.1	11:30	67.9	70.9	57.1	66.7	73.6	<Baseline Level	75	N/A	Traffic
				11:35	66.7	69.7	56.2						
				11:40	67.1	70.0	56.3						
				11:45	65.2	68.2	54.4						
				11:50	66.8	69.7	56.1						
				11:55	66.3	69.3	55.5						
24 May 2024	Cloudy	0.1	94.1	11:30	63.9	67.3	52.6	63.6	73.6	<Baseline Level	75	N/A	Traffic
				11:35	65.2	68.7	53.9						
				11:40	63.4	66.8	52.2						
				11:45	62.1	65.6	50.6						
				11:50	63.8	67.2	52.5						
				11:55	62.5	65.9	51.2						
30 May 2024	Cloudy	0.0	94.1	11:30	64.2	67.3	53.4	63.4	73.6	<Baseline Level	75	N/A	Traffic
				11:35	63.8	66.9	53.2						
				11:40	63.8	66.8	53.1						
				11:45	61.9	65.2	51.1						
				11:50	63.2	66.4	52.4						
				11:55	63.3	66.4	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: 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 Sources
					Leq	L10	L90	Leq	Leq	Leq	Leq		
					Unit: dB(A), (5-min)								
2 May 2024	Sunny	0.0	94.1	10:55	55.3	58.7	48.5	56.2	62.2	<Baseline Level	75	N/A	Traffic
				11:00	54.9	58.3	48.1						
				11:05	56.8	60.2	49.9						
				11:10	57.5	60.7	50.7						
				11:15	56.2	59.5	49.4						
				11:20	56.2	59.6	49.6						
8 May 2024	Sunny	0.0	94.1	10:55	53.2	56.6	47.4	54.6	62.2	<Baseline Level	75	N/A	Traffic
				11:00	53.2	56.7	47.4						
				11:05	54.9	58.3	49.1						
				11:10	55.3	58.6	49.5						
				11:15	54.8	58.2	49.3						
				11:20	55.8	59.2	50.2						
17 May 2024	Cloudy	0.0	94.1	10:55	53.9	56.8	48.3	55.2	62.2	<Baseline Level	75	N/A	Traffic
				11:00	54.5	57.4	48.9						
				11:05	55.9	58.8	50.3						
				11:10	55.6	58.5	49.8						
				11:15	55.2	58.1	49.6						
				11:20	56.0	59.0	50.4						
24 May 2024	Cloudy	0.0	94.1	10:55	51.0	54.6	46.2	52.2	62.2	<Baseline Level	75	N/A	Traffic
				11:00	51.7	55.3	46.9						
				11:05	52.5	56.1	47.7						
				11:10	52.7	56.3	47.9						
				11:15	52.0	55.6	47.2						
				11:20	52.9	56.5	48.1						
30 May 2024	Cloudy	0.0	94.1	10:55	51.2	54.8	46.6	52.3	62.2	<Baseline Level	75	N/A	Traffic
				11:00	51.4	55.0	46.7						
				11:05	52.8	56.4	48.2						
				11:10	53.0	56.7	48.2						
				11:15	52.3	55.9	47.6						
				11:20	53.0	56.6	48.4						

* 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 Leq	Baseline Level Leq	Construction Noise Level Leq	Limit Level Leq	Major Construction Noise Source(s)*	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
2 May 2024	Sunny	0.0	94.1	15:00	67.0	69.8	55.7	67.4	70.7	<Baseline Level	75	N/A	Traffic
				15:05	66.2	69.1	54.9						
				15:10	67.9	70.7	56.7						
				15:15	67.6	70.4	56.4						
				15:20	67.2	70.2	55.9						
				15:25	68.1	70.9	56.9						
8 May 2024	Sunny	0.0	94.1	15:00	64.5	67.9	54.9	65.4	70.7	<Baseline Level	75	N/A	Traffic
				15:05	64.7	68.2	55.2						
				15:10	66.5	69.9	56.9						
				15:15	65.8	69.2	56.2						
				15:20	65.2	68.6	55.5						
				15:25	65.1	68.5	54.9						
17 May 2024	Cloudy	0.0	94.1	15:00	64.0	67.1	54.2	64.5	70.7	<Baseline Level	75	N/A	Traffic
				15:05	63.8	66.8	54.0						
				15:10	65.6	68.7	55.8						
				15:15	64.8	67.7	55.3						
				15:20	64.4	67.6	54.7						
				15:25	64.1	67.2	54.6						
24 May 2024	Cloudy	0.0	94.1	15:00	62.8	65.9	52.0	63.2	70.7	<Baseline Level	75	N/A	Traffic
				15:05	64.8	67.8	54.1						
				15:10	63.2	66.3	52.4						
				15:15	62.7	65.8	52.0						
				15:20	62.5	65.6	51.7						
				15:25	62.7	65.4	51.7						
30 May 2024	Cloudy	0.0	94.1	15:00	61.1	64.3	52.3	61.5	70.7	<Baseline Level	75	N/A	Traffic
				15:05	61.3	64.6	52.4						
				15:10	62.2	65.6	53.5						
				15:15	61.7	64.9	52.9						
				15:20	61.3	64.5	52.5						
				15:25	61.4	64.7	52.8						

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



Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)

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

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construction Noise	Other Noise Source(s)
					Leq	L10	L90	Leq	Leq	Leq	Leq		
					Unit: dB(A), (5-min)			Unit: dB(A), (30-min)					
2 May 2024	Sunny	0.0	94.1	9:45	62.5	65.5	56.6	63.0	68.1	<Baseline Level	75	Crane	Traffic
				9:50	61.9	64.9	56.0						
				9:55	63.6	66.6	57.7						
				10:00	64.2	67.2	58.4						
				10:05	62.5	65.5	56.6						
				10:10	63.0	65.9	57.2						
8 May 2024	Sunny	0.0	94.1	9:45	60.6	63.7	55.9	61.5	68.1	<Baseline Level	75	N/A	Traffic
				9:50	60.8	63.9	56.1						
				9:55	63.6	66.5	58.9						
				10:00	62.0	65.1	57.3						
				10:05	60.4	63.5	55.7						
				10:10	60.9	64.2	56.2						
17 May 2024	Cloudy	0.0	94.1	9:45	59.1	62.2	52.4	59.2	68.1	<Baseline Level	75	N/A	Traffic
				9:50	59.3	62.4	52.6						
				9:55	60.6	63.6	54.0						
				10:00	59.6	62.7	52.8						
				10:05	57.5	60.5	52.6						
				10:10	58.3	61.4	51.6						
24 May 2024	Cloudy	0.0	94.1	9:45	57.6	60.7	50.2	57.5	68.1	<Baseline Level	75	N/A	Traffic
				9:50	57.8	60.9	50.4						
				9:55	57.9	61.2	50.5						
				10:00	57.6	60.7	50.2						
				10:05	56.4	60.1	49.3						
				10:10	57.6	60.7	50.2						
30 May 2024	Cloudy	0.0	94.1	9:45	57.5	60.4	49.7	57.8	68.1	<Baseline Level	75	N/A	Traffic
				9:50	57.5	59.8	49.7						
				9:55	58.9	61.7	51.2						
				10:00	58.3	61.4	50.6						
				10:05	56.8	59.9	49.7						
				10:10	57.5	60.6	49.8						

* 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	Other Noise Source(s)
					Leq	L10	L90	Leq	Leq	Leq	Leq		
					Unit: dB(A), (5-min)			Unit: dB(A), (30-min)					
2 May 2024	Sunny	0.0	94.1	10:20	52.6	56.0	46.7	52.7	68.5	<Baseline Level	75	N/A	Traffic
				10:25	53.0	56.4	47.1						
				10:30	53.9	57.4	48.0						
				10:35	51.0	54.5	45.1						
				10:40	51.3	54.8	45.4						
				10:45	53.6	57.0	47.7						
8 May 2024	Sunny	0.1	94.1	10:20	51.1	54.5	45.5	52.0	68.5	<Baseline Level	75	N/A	Traffic
				10:25	51.5	55.2	45.9						
				10:30	55.1	58.6	49.5						
				10:35	49.9	53.3	44.3						
				10:40	49.4	52.8	43.8						
				10:45	52.2	55.7	46.6						
17 May 2024	Cloudy	0.0	94.1	10:20	49.8	53.3	43.9	51.4	68.5	<Baseline Level	75	N/A	Traffic
				10:25	49.6	53.1	43.7						
				10:30	52.2	55.6	46.3						
				10:35	51.5	54.9	45.6						
				10:40	51.3	54.8	45.4						
				10:45	52.9	56.3	47.0						
24 May 2024	Cloudy	0.1	94.1	10:20	48.0	51.5	43.6	49.5	68.5	<Baseline Level	75	N/A	Traffic
				10:25	48.7	52.1	44.3						
				10:30	50.3	53.7	45.9						
				10:35	49.6	53.0	45.2						
				10:40	49.3	52.8	44.9						
				10:45	50.4	53.9	46.0						
30 May 2024	Cloudy	0.0	94.1	10:20	49.4	52.9	45.6	50.3	68.5	<Baseline Level	75	N/A	Traffic
				10:25	49.7	53.2	45.9						
				10:30	51.7	55.2	47.9						
				10:35	49.5	53.0	45.7						
				10:40	49.4	52.8	45.6						
				10:45	51.2	54.7	47.4						

* 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)				
2 May 2024	Sunny	0.0	94.1	13:00	52.5	56.1	44.7	51.9	62.3	<Baseline Level	70	N/A	Traffic
				13:05	51.4	55.0	43.6						
				13:10	51.7	55.3	43.9						
				13:15	52.6	56.2	44.8						
				13:20	51.9	55.5	44.1						
				13:25	51.2	54.9	43.4						
8 May 2024	Sunny	0.0	94.1	13:00	51.8	55.4	44.0	51.3	62.3	<Baseline Level	70	N/A	Traffic
				13:05	50.5	54.2	42.7						
				13:10	53.5	57.2	45.7						
				13:15	50.7	54.3	42.9						
				13:20	50.7	54.3	42.9						
				13:25	49.5	53.2	41.7						
17 May 2024	Cloudy	0.2	94.1	13:00	51.3	54.9	43.5	51.0	62.3	<Baseline Level	70	N/A	Traffic
				13:05	51.1	54.8	43.3						
				13:10	50.5	54.1	42.7						
				13:15	51.4	55.1	43.6						
				13:20	51.3	55.0	43.5						
				13:25	50.3	53.9	42.5						
24 May 2024	Cloudy	0.3	94.1	13:00	49.1	52.8	41.3	48.1	62.3	<Baseline Level	70	N/A	Traffic
				13:05	47.9	51.6	40.1						
				13:10	47.5	51.2	41.7						
				13:15	47.9	51.5	40.1						
				13:20	47.5	51.2	42.6						
				13:25	48.2	51.9	40.4						
30 May 2024	Cloudy	0.1	94.1	13:00	51.2	54.9	43.4	50.7	62.3	<Baseline Level	70	N/A	Traffic
				13:05	50.4	54.0	42.6						
				13:10	50.9	54.6	43.1						
				13:15	50.8	54.4	43.0						
				13:20	50.5	54.1	42.7						
				13:25	50.0	53.6	42.2						

* 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)					
5 Jun 2024	Sunny	0.0	94.1	14:15	71.6	74.1	60.3	74.2	73.3	67	75	N/A	Traffic
				14:20	72.8	75.2	65.8						
				14:25	70.5	73.1	61.5						
				14:30	76.9	78.9	66.6						
				14:35	77.2	79.7	62.4						
				14:40	70.3	72.8	64.3						
12 Jun 2024	Cloudy	0.0	94.1	14:15	70.4	73.5	58.6	71.1	73.3	<Baseline Level	75	N/A	Traffic
				14:20	71.5	74.8	62.3						
				14:25	67.9	71.3	60.1						
				14:30	72.4	75.7	61.6						
				14:35	73.1	76.5	60.2						
				14:40	69.1	72.4	60.5						
19 Jun 2024	Sunny	0.0	94.1	14:15	75.7	78.2	62.3	74.8	73.3	70	75	N/A	Traffic
				14:20	75.8	79.6	64.2						
				14:25	71.6	74.3	65.6						
				14:30	74.5	76.8	60.1						
				14:35	75.8	78.3	63.2						
				14:40	74.3	76.5	61.6						
26 Jun 2024	Sunny	0.0	94.1	14:15	76.4	79.5	63.3	74.2	73.3	67	75	N/A	Traffic
				14:20	77.2	80.0	62.1						
				14:25	70.5	73.5	63.8						
				14:30	72.2	75.0	57.6						
				14:35	73.5	76.6	61.5						
				14:40	70.7	73.6	59.3						

* 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	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)					
5 Jun 2024	Sunny	0.0	94.1	13:40	68.9	71.1	52.6	66.1	76.8	<Baseline Level	75	N/A	Traffic
				13:45	67.2	69.2	53.5						
				13:50	60.8	62.8	51.6						
				13:55	61.7	63.8	52.7						
				14:00	62.8	64.5	51.8						
				14:05	68.5	70.4	52.3	63.7	76.8	<Baseline Level	75	N/A	Traffic
				13:40	65.2	68.5	51.5						
				13:45	65.2	68.6	52.6						
				13:50	60.8	64.0	52.4						
				13:55	61.9	65.3	51.7						
				14:00	62.8	66.1	50.4	64.5	76.8	<Baseline Level	75	N/A	Traffic
				14:05	64.6	67.9	51.7						
				13:40	64.2	66.8	52.3						
				13:45	65.8	68.4	53.5						
				13:50	63.2	65.8	55.5						
19 Jun 2024	Sunny	0.0	94.1	13:55	64.6	67.2	52.6	61.6	76.8	<Baseline Level	75	N/A	Traffic
				14:00	65.3	67.8	51.2						
				14:05	63.4	66.1	53.1						
				13:40	60.1	63.0	49.0						
				13:45	61.5	64.4	49.2						
26 Jun 2024	Sunny	0.0	94.1	13:50	63.1	66.2	50.4	61.6	76.8	<Baseline Level	75	N/A	Traffic
				13:55	62.1	65.3	48.6						
				14:00	62.5	65.4	48.4						
				14:05	59.2	62.1	49.8						

* 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	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)								
5 Jun 2024	Sunny	0.0	94.1	11:30	62.1	65.6	51.2	63.4	73.6	<Baseline Level	75	N/A	Traffic
				11:35	65.4	68.9	50.3						
				11:40	63.6	67.1	52.6						
				11:45	64.2	67.5	53.1						
				11:50	61.5	65.1	50.4						
				11:55	62.3	65.6	51.2						
14 Jun 2024	Cloudy	0.0	94.1	15:05	66.8	70.1	54.0	65.5	73.6	<Baseline Level	75	N/A	Demolition works at Restaurant
				15:10	65.2	68.7	51.6						
				15:15	66.1	69.7	51.9						
				15:20	64.8	68.4	53.2						
				15:25	65.3	68.5	52.4						
				15:30	64.1	68.1	52.9						
19 Jun 2024	Cloudy	0.0	94.1	11:30	63.1	66.2	52.1	64.8	73.6	<Baseline Level	75	N/A	Traffic
				11:35	66.2	69.3	52.2						
				11:40	64.4	67.4	53.9						
				11:45	66.0	69.1	54.9						
				11:50	63.9	67.4	51.5						
				11:55	64.4	67.5	53.4						
26 Jun 2024	Sunny	0.0	94.1	11:30	62.7	65.8	51.7	63.5	73.6	<Baseline Level	75	N/A	Traffic
				11:35	62.8	66.9	51.0						
				11:40	62.3	65.4	52.0						
				11:45	64.0	67.0	53.0						
				11:50	64.8	67.9	51.3						
				11:55	64.0	67.3	53.6						

* 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 Construct ion Noise	Other Noise Source(s)
					Leq	L10	L90	Leq	Leq	Leq	Leq		
					Unit: dB(A), (5-min)			Unit: dB(A), (30-min)					
5 Jun 2024	Sunny	0.0	94.1	10:55	63.2	66.5	50.3	61.2	62.2	<Baseline Level	75	N/A	Traffic
				11:00	60.7	63.8	52.6						
				11:05	59.8	62.3	53.9						
				11:10	58.7	62.0	52.8						
				11:15	62.3	65.5	50.9						
				11:20	61.2	64.8	51.2						
12 Jun 2024	Cloudy	0.0	94.1	10:55	64.8	68.1	47.8	61.8	62.2	<Baseline Level	75	N/A	Traffic
				11:00	58.4	61.5	48.9						
				11:05	60.9	64.2	51.2						
				11:10	62.6	66.0	49.5						
				11:15	60.4	63.7	48.0						
				11:20	60.9	64.3	49.6						
19 Jun 2024	Sunny	0.0	94.1	10:55	66.7	69.8	45.7	63.6	62.2	58	75	N/A	Traffic
				11:00	56.4	60.1	45.4						
				11:05	62.3	68.2	48.7						
				11:10	66.8	69.9	46.6						
				11:15	58.9	63.8	45.9						
				11:20	61.0	64.2	48.3						
26 Jun 2024	Sunny	0.0	94.1	10:55	60.8	63.7	50.0	60.3	62.2	<Baseline Level	75	N/A	Traffic
				11:00	57.9	60.7	48.1						
				11:05	60.0	62.7	49.8						
				11:10	63.5	66.4	47.3						
				11:15	57.3	60.2	48.9						
				11:20	59.3	62.3	49.5						

* 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	Leq	Leq	Leq	Leq		
					Unit: dB(A), (5-min)			Unit: dB(A), (30-min)					
5 Jun 2024	Sunny	0.0	94.1	15:00	60.5	64.7	51.3	62.2	70.7	<Baseline Level	75	N/A	Traffic
				15:05	63.5	67.5	52.3						
				15:10	61.3	65.6	49.8						
				15:15	62.8	67.1	50.5						
				15:20	63.2	67.4	50.6						
				15:25	60.8	65.2	51.7						
12 Jun 2024	Cloudy	0.0	94.1	15:00	60.4	63.1	52.8	62.6	70.7	<Baseline Level	75	N/A	Traffic
				15:05	63.7	66.5	53.0						
				15:10	63.3	66.0	51.9						
				15:15	62.9	65.8	52.7						
				15:20	62.9	65.6	52.8						
				15:25	61.6	64.3	52.8						
19 Jun 2024	Sunny	0.0	94.1	15:00	62.4	65.0	55.0	65.8	70.7	<Baseline Level	75	N/A	Traffic
				15:05	66.7	71.4	54.3						
				15:10	68.0	72.3	54.5						
				15:15	65.6	70.1	54.8						
				15:20	65.3	69.3	55.6						
				15:25	64.8	68.9	54.6						
26 Jun 2024	Sunny	0.0	94.1	15:00	63.1	66.3	49.9	65.0	70.7	<Baseline Level	75	N/A	Traffic
				15:05	66.2	69.5	49.5						
				15:10	65.5	68.7	50.5						
				15:15	63.6	66.8	51.3						
				15:20	65.6	68.7	52.0						
				15:25	65.0	68.2	50.5						

* 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)			Unit: dB(A), (30-min)					
5 Jun 2024	Sunny	0.0	94.1	9:45	59.3	61.6	52.3	58.0	68.1	<Baseline Level	75	Crane	Traffic
				9:50	56.3	58.5	53.6						
				9:55	55.8	58.3	50.4						
				10:00	59.4	61.7	51.8						
				10:05	53.8	56.0	55.6						
				10:10	60.1	62.4	57.6						
12 Jun 2024	Cloudy	0.0	94.1	9:45	59.4	62.1	54.1	59.5	68.1	<Baseline Level	75	N/A	Traffic
				9:50	59.5	62.1	54.5						
				9:55	57.2	59.9	53.3						
				10:00	60.0	62.7	54.0						
				10:05	57.8	60.4	55.8						
				10:10	61.5	64.2	56.8						
19 Jun 2024	Sunny	0.0	94.1	9:45	59.2	61.4	54.6	61.1	68.1	<Baseline Level	75	N/A	Traffic
				9:50	62.5	64.0	54.3						
				9:55	58.0	60.6	54.8						
				10:00	60.5	62.6	55.1						
				10:05	61.2	63.5	54.6						
				10:10	63.2	65.6	55.3						
26 Jun 2024	Sunny	0.0	94.1	9:45	58.7	61.9	50.5	59.1	68.1	<Baseline Level	75	N/A	Traffic
				9:50	57.1	60.4	52.9						
				9:55	58.3	61.3	54.4						
				10:00	59.5	62.8	52.2						
				10:05	60.1	63.3	52.3						
				10:10	59.9	63.1	52.0						

* 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	Baseline Level	Construction Noise Level	Action Level	Major Construct ion Noise	Other Noise Source(s)
					Leq	L10	L90	Leq	Leq	Leq	Leq		
					Unit: dB(A), (5-min)			Unit: dB(A), (30-min)					
5 Jun 2024	Sunny	0.0	94.1	10:20	51.2	54.6	45.7	52.6	68.5	<Baseline Level	75	N/A	Traffic
				10:25	49.3	52.7	46.8						
				10:30	52.6	56.3	46.7						
				10:35	56.4	59.9	44.9						
				10:40	51.5	55.2	45.6						
				10:45	50.5	54.1	45.9						
12 Jun 2024	Cloudy	0.0	94.1	10:20	50.6	54.1	47.0	51.5	68.5	<Baseline Level	75	N/A	Traffic
				10:25	49.3	52.8	47.5						
				10:30	52.7	56.8	48.2						
				10:35	53.1	55.0	47.2						
				10:40	51.8	55.3	48.4						
				10:45	50.2	53.6	47.6						
19 Jun 2024	Sunny	0.0	94.1	10:20	50.2	53.8	44.6	52.2	68.5	<Baseline Level	75	N/A	Traffic
				10:25	48.1	51.3	44.9						
				10:30	55.3	58.6	47.3						
				10:35	52.6	55.9	45.8						
				10:40	53.5	56.9	48.9						
				10:45	49.6	52.1	44.3						
26 Jun 2024	Sunny	0.0	94.1	10:20	51.5	55.3	43.8	50.0	68.5	<Baseline Level	75	N/A	Traffic
				10:25	48.0	51.8	43.4						
				10:30	51.1	54.9	44.8						
				10:35	49.8	53.5	44.6						
				10:40	49.6	53.4	46.8						
				10:45	49.3	53.1	44.6						

* 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)								
5 Jun 2024	Sunny	0.0	94.1	13:00	53.5	57.3	49.8	54.7	62.3	<Baseline Level	65	N/A	Traffic
				13:05	55.6	59.4	50.3						
				13:10	54.3	58.1	48.9						
				13:15	56.6	60.4	51.3						
				13:20	53.1	56.9	52.6						
				13:25	53.8	57.6	50.6						
14 Jun 2024	Cloudy	0.0	94.0	14:30	56.4	58.9	51.1	56.2	62.3	<Baseline Level	70	Excavation at South Lantau Road	Traffic
				14:35	56.6	59.2	52.4						
				14:40	55.1	58.9	50.6						
				14:45	57.0	61.2	50.9						
				14:50	56.5	58.5	51.0						
				14:55	55.6	59.0	50.2						
19 Jun 2024	Cloudy	0.0	94.1	13:00	54.1	57.5	50.9	54.0	62.3	<Baseline Level	70	N/A	Traffic
				13:05	55.0	58.4	51.5						
				13:10	53.3	56.7	50.4						
				13:15	55.1	58.5	51.4						
				13:20	53.3	56.7	52.1						
				13:25	52.9	56.4	50.4						
26 Jun 2024	Sunny	0.0	94.1	13:00	55.8	59.6	50.1	54.1	62.3	<Baseline Level	70	N/A	Traffic
				13:05	54.4	58.2	51.4						
				13:10	52.8	56.6	49.4						
				13:15	54.6	58.4	49.9						
				13:20	54.0	57.8	50.7						
				13:25	52.2	56.0	48.5						

* 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		
					Unit: dB(A), (5-min)			Unit: dB(A), (30-min)					
3 Jul 2024	Sunny	0.0	94.1	14:15	75.1	76.0	46.8	73.0	73.3	<Baseline Level	75	N/A	Traffic
				14:20	73.5	74.6	45.3						
				14:25	72.8	73.9	45.6						
				14:30	73.9	75.0	44.3						
				14:35	68.8	70.1	43.2						
				14:40	71.3	72.2	46.1						
10 Jul 2024	Sunny	0.0	94.1	14:15	73.9	75.2	45.5	72.7	73.3	<Baseline Level	75	N/A	Traffic
				14:20	72.3	73.6	44.1						
				14:25	72.7	74.1	44.3						
				14:30	73.7	75.3	45.3						
				14:35	71.5	72.8	43.2						
				14:40	71.6	72.9	43.2						
17 Jul 2024	Sunny	0.0	94.1	14:15	73.3	74.2	44.2	72.2	73.3	<Baseline Level	75	N/A	Traffic
				14:20	71.8	72.7	43.6						
				14:25	72.1	73.0	43.6						
				14:30	73.1	74.3	44.1						
				14:35	71.0	71.9	42.9						
				14:40	71.1	72.5	42.7						
24 Jul 2024	Cloudy	0.0	94.1	14:15	73.8	74.1	45.6	73.8	73.3	64	75	N/A	Traffic
				14:20	72.1	74.8	44.3						
				14:25	73.5	74.6	47.6						
				14:30	74.6	75.7	45.3						
				14:35	75.1	76.3	46.8						
				14:40	72.8	73.9	49.2						
31 Jul 2024	Cloudy	0.0	94.1	14:15	75.4	76.6	47.3	74.3	73.3	67	75	N/A	Traffic
				14:20	71.3	72.5	43.2						
				14:25	72.8	74.3	44.7						
				14:30	75.8	76.8	47.7						
				14:35	73.9	75.1	45.8						
				14:40	74.9	76.2	46.8						

* 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 Source(s)*	Other Noise Source(s)
					Leq	L10	L90	Leq	Leq	Leq	Leq		
					Unit: dB(A), (5-min)			Unit: dB(A), (30-min)					
3 Jul 2024	Sunny	0.0	94.1	13:40	62.0	63.2	51.6	63.1	76.8	<Baseline Level	75	N/A	Traffic
				13:45	63.3	66.8	56.0						
				13:50	58.7	62.1	55.6						
				13:55	63.8	67.8	54.3						
				14:00	62.5	66.6	52.8						
				14:05	65.6	69.5	56.2						
10 Jul 2024	Sunny	0.0	94.1	13:40	65.0	66.8	54.8	64.5	76.8	<Baseline Level	75	N/A	Traffic
				13:45	64.5	66.4	54.3						
				13:50	61.5	63.4	51.3						
				13:55	63.8	65.6	53.5						
				14:00	64.5	66.3	54.3						
				14:05	66.2	68.1	56.2						
17 Jul 2024	Sunny	0.0	94.1	13:40	64.7	66.6	53.4	64.1	76.8	<Baseline Level	75	N/A	Traffic
				13:45	64.2	66.0	52.8						
				13:50	61.2	63.2	53.1						
				13:55	63.5	65.4	52.2						
				14:00	64.1	66.1	52.8						
				14:05	65.8	67.8	54.5						
24 Jul 2024	Cloudy	0.0	94.1	13:40	68.2	71.3	50.6	66.2	76.8	<Baseline Level	75	N/A	Traffic
				13:45	65.9	67.4	55.5						
				13:50	64.1	67.4	59.1						
				13:55	63.8	65.8	56.8						
				14:00	66.6	68.3	56.2						
				14:05	67.2	69.0	57.9						
31 Jul 2024	Cloudy	0.1	94.1	13:40	64.4	66.1	54.8	65.7	76.8	<Baseline Level	75	Lifting machine	Traffic
				13:45	64.1	65.8	54.5						
				13:50	66.7	68.1	54.1						
				13:55	67.7	69.5	58.2						
				14:00	66.2	67.9	56.6						
				14:05	63.5	65.2	53.9						

* 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	Leq		
					Unit: dB(A), (5-min)								
3 Jul 2024	Sunny	0.0	94.1	11:30	67.9	68.3	67.2	67.3	73.6	<Baseline Level	75	N/A	Demolition works at Restaurant
				11:35	68.9	70.9	67.7						
				11:40	67.1	67.5	66.8						
				11:45	68.8	70.6	64.3						
				11:50	65.3	67.4	63.2						
				11:55	63.6	65.6	61.1						
10 Jul 2024	Sunny	0.0	94.1	11:30	66.0	68.2	61.2	63.0	73.6	<Baseline Level	75	N/A	Demolition works at Restaurant
				11:35	59.8	61.9	55.0						
				11:40	61.6	63.8	56.8						
				11:45	61.5	63.7	56.7						
				11:50	63.4	65.6	58.6						
				11:55	63.1	65.3	58.3						
17 Jul 2024	Sunny	0.0	94.1	11:30	65.5	66.9	62.9	62.6	73.6	<Baseline Level	75	N/A	Demolition works at Restaurant
				11:35	59.5	60.9	56.9						
				11:40	61.3	62.7	58.7						
				11:45	61.2	62.6	58.6						
				11:50	63.0	64.4	60.4						
				11:55	62.7	64.1	60.1						
24 Jul 2024	Cloudy	0.0	94.1	11:30	64.7	66.9	52.6	60.8	73.6	<Baseline Level	75	N/A	Demolition works at Restaurant
				11:35	50.6	64.5	50.8						
				11:40	56.3	57.4	51.0						
				11:45	54.4	55.6	52.1						
				11:50	61.8	62.9	50.9						
				11:55	62.9	64.2	53.2						
31 Jul 2024	Cloudy	0.0	94.1	11:30	66.3	67.5	64.5	64.4	73.6	<Baseline Level	75	N/A	Demolition works at Restaurant
				11:35	65.4	66.6	63.6						
				11:40	64.3	65.5	62.5						
				11:45	66.7	67.9	64.9						
				11:50	55.4	56.6	53.6						
				11:55	59.6	60.8	57.8						

* 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)								
3 Jul 2024	Sunny	0.0	94.1	10:55	67.6	68.3	66.4	67.3	62.2	66	75	Excavating	Traffic
				11:00	67.2	68.1	66.3						
				11:05	66.7	67.2	66.1						
				11:10	68.3	69.1	66.2						
				11:15	65.4	66.0	66.5						
				11:20	68.0	69.4	67.1						
10 Jul 2024	Sunny	0.0	94.1	10:55	68.3	69.6	39.9	68.3	62.2	67	75	Excavating	Traffic
				11:00	68.4	69.7	40.0						
				11:05	68.2	69.5	39.8						
				11:10	68.7	70.0	40.3						
				11:15	67.0	68.3	38.6						
				11:20	68.9	70.2	40.5						
17 Jul 2024	Sunny	0.0	94.1	10:55	67.4	68.3	38.3	67.4	62.2	66	75	Excavating	Traffic
				11:00	67.5	68.4	38.4						
				11:05	67.3	68.3	38.2						
				11:10	67.8	68.8	38.7						
				11:15	66.1	67.1	37.0						
				11:20	68.0	69.0	38.9						
24 Jul 2024	Cloudy	0.0	94.1	10:55	70.3	71.0	69.5	70.7	62.2	70	75	Excavating	Traffic
				11:00	70.9	71.4	70.3						
				11:05	71.1	71.4	70.7						
				11:10	70.6	72.0	69.2						
				11:15	69.8	70.3	70.5						
				11:20	71.3	73.6	69.6						
31 Jul 2024	Cloudy	0.0	94.1	10:55	68.4	69.6	40.3	69.0	62.2	68	75	Excavating	Traffic
				11:00	65.8	67.0	37.7						
				11:05	68.3	69.5	40.2						
				11:10	69.7	70.9	41.6						
				11:15	70.1	71.3	42.0						
				11:20	70.1	71.3	42.0						

* 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)			Leq	Unit: dB(A), (30-min)				
3 Jul 2024	Sunny	0.0	94.1	15:00	65.5	68.4	60.1	65.3	70.7	<Baseline Level	75	N/A	Traffic
				15:05	62.6	63.9	60.1						
				15:10	66.8	69.7	61.8						
				15:15	63.2	66.5	58.3						
				15:20	65.9	68.9	61.2						
				15:25	66.1	69.2	62.1						
10 Jul 2024	Sunny	0.0	94.1	15:00	64.4	67.6	59.7	63.3	70.7	<Baseline Level	75	N/A	Traffic
				15:05	61.8	65.0	57.1						
				15:10	64.7	67.9	60.0						
				15:15	61.4	64.6	56.7						
				15:20	63.5	66.7	58.8						
				15:25	62.9	66.1	58.2						
17 Jul 2024	Sunny	0.0	94.1	15:00	63.5	66.5	58.4	62.6	70.7	<Baseline Level	75	N/A	Traffic
				15:05	61.4	64.4	56.3						
				15:10	63.7	66.7	58.6						
				15:15	61.1	64.1	56.0						
				15:20	62.8	65.7	57.7						
				15:25	62.3	65.3	57.2						
24 Jul 2024	Cloudy	0.0	94.1	15:00	68.5	71.8	60.5	66.8	70.7	<Baseline Level	75	N/A	Traffic
				15:05	66.6	71.0	57.6						
				15:10	67.6	71.5	60.8						
				15:15	65.3	70.3	58.9						
				15:20	66.4	70.6	60.3						
				15:25	65.2	69.2	59.1						
31 Jul 2024	Cloudy	0.0	94.1	15:00	67.8	69.2	61.5	69.8	70.7	<Baseline Level	75	N/A	Traffic
				15:05	69.5	70.9	63.2						
				15:10	69.4	70.8	63.1						
				15:15	71.1	72.5	64.8						
				15:20	69.4	70.8	63.1						
				15:25	70.9	72.3	64.6						

* 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)			Leq	Unit: dB(A), (30-min)				
3 Jul 2024	Sunny	0.0	94.1	9:45	56.8	58.3	52.6	54.5	68.1	<Baseline Level	75	Crane	Traffic
				9:50	52.8	53.5	52.0						
				9:55	53.1	54.1	51.9						
				10:00	54.6	56.1	52.3						
				10:05	55.3	56.7	53.2						
				10:10	52.8	54.2	51.0						
10 Jul 2024	Sunny	0.0	94.1	9:45	55.6	57.2	52.7	54.1	68.1	<Baseline Level	75	N/A	Traffic
				9:50	53.2	54.8	50.3						
				9:55	53.2	54.8	50.3						
				10:00	55.3	56.9	52.4						
				10:05	53.9	55.6	51.2						
				10:10	52.3	53.9	50.2						
17 Jul 2024	Sunny	0.0	94.1	9:45	54.8	56.0	50.7	53.3	68.1	<Baseline Level	75	N/A	Traffic
				9:50	52.4	53.6	48.3						
				9:55	52.4	53.6	48.3						
				10:00	54.5	55.7	50.4						
				10:05	53.1	54.3	49.0						
				10:10	51.6	52.8	47.5						
24 Jul 2024	Cloudy	0.0	94.1	9:45	53.7	52.2	43.4	53.0	68.1	<Baseline Level	75	N/A	Traffic
				9:50	52.6	53.6	44.2						
				9:55	52.4	53.2	43.9						
				10:00	55.3	56.3	43.2						
				10:05	51.6	52.5	44.1						
				10:10	50.8	51.9	43.2						
31 Jul 2024	Cloudy	0.0	94.1	9:45	54.0	55.2	50.6	53.0	68.1	<Baseline Level	75	N/A	Traffic
				9:50	53.6	54.8	50.2						
				9:55	51.4	52.6	48.0						
				10:00	54.1	55.3	50.7						
				10:05	52.2	53.4	48.7						
				10:10	52.1	53.3	48.8						

* 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 Construct ion Noise	Other Noise Source(s)
					Leq	L10	L90	Leq	Leq	Leq	Leq		
					Unit: dB(A), (5-min)			Unit: dB(A), (30-min)					
3 Jul 2024	Sunny	0.0	94.1	10:20	56.8	58.3	52.6	54.5	68.5	<Baseline Level	75	N/A	Traffic
				10:25	52.8	53.5	52.0						
				10:30	53.1	54.1	51.9						
				10:35	54.2	56.8	50.8						
				10:40	55.1	57.3	52.3						
				10:45	53.6	55.9	51.9						
10 Jul 2024	Sunny	0.0	94.1	10:20	51.3	54.5	46.5	51.3	68.5	<Baseline Level	75	N/A	Traffic
				10:25	50.2	53.4	45.4						
				10:30	52.5	55.7	47.7						
				10:35	51.5	54.7	46.7						
				10:40	51.3	54.5	46.5						
				10:45	50.9	54.1	46.1						
17 Jul 2024	Sunny	0.0	94.1	10:20	50.1	52.7	44.3	50.2	68.5	<Baseline Level	75	N/A	Traffic
				10:25	49.0	51.6	43.2						
				10:30	51.3	53.9	45.5						
				10:35	50.3	52.9	44.5						
				10:40	50.1	52.7	44.3						
				10:45	49.8	52.4	44.0						
24 Jul 2024	Cloudy	0.0	94.1	10:20	43.7	44.4	43.4	46.8	68.5	<Baseline Level	75	N/A	Traffic
				10:25	45.4	48.6	44.2						
				10:30	50.1	53.6	43.9						
				10:35	46.8	49.8	42.8						
				10:40	45.5	48.4	45.1						
				10:45	46.2	49.3	44.6						
31 Jul 2024	Cloudy	0.0	94.1	10:20	51.8	53.0	48.1	50.4	68.5	<Baseline Level	75	N/A	Traffic
				10:25	52.2	53.4	48.5						
				10:30	51.1	52.3	47.4						
				10:35	46.5	47.7	42.8						
				10:40	46.8	48.0	43.1						
				10:45	50.7	51.9	47.0						

* 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)			Unit: dB(A), (30-min)					
3 Jul 2024	Sunny	0.0	94.1	13:00	53.7	54.8	49.2	52.9	62.3	<Baseline Level	70	N/A	Traffic
				13:05	53.1	55.1	47.2						
				13:10	52.4	53.7	45.5						
				13:15	51.8	53.0	46.3						
				13:20	53.4	54.8	48.9						
				13:25	52.8	54.2	46.1						
10 Jul 2024	Sunny	0.0	94.1	13:00	53.2	55.9	44.4	52.4	62.3	<Baseline Level	70	N/A	Traffic
				13:05	52.3	54.9	43.5						
				13:10	50.9	53.6	42.1						
				13:15	52.0	54.7	43.2						
				13:20	52.5	55.1	43.7						
				13:25	52.9	55.6	44.1						
17 Jul 2024	Sunny	0.0	94.1	13:00	52.4	55.5	45.6	51.6	62.3	<Baseline Level	70	N/A	Traffic
				13:05	51.5	54.6	44.7						
				13:10	50.2	53.3	43.4						
				13:15	51.3	54.4	44.5						
				13:20	51.7	54.8	44.9						
				13:25	52.1	55.2	45.3						
24 Jul 2024	Cloudy	0.0	94.1	13:00	53.1	56.3	49.0	52.2	62.3	<Baseline Level	70	N/A	Traffic
				13:05	51.8	54.3	48.9						
				13:10	49.8	51.3	48.0						
				13:15	52.6	55.3	48.7						
				13:20	51.9	54.2	47.6						
				13:25	53.4	56.0	49.2						
31 Jul 2024	Cloudy	0.0	94.1	13:00	51.9	54.6	45.4	52.5	62.3	<Baseline Level	70	N/A	Traffic
				13:05	53.0	55.7	46.5						
				13:10	52.9	55.6	46.4						
				13:15	53.7	56.4	47.2						
				13:20	52.4	55.1	45.9						
				13:25	50.5	53.2	44.0						

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

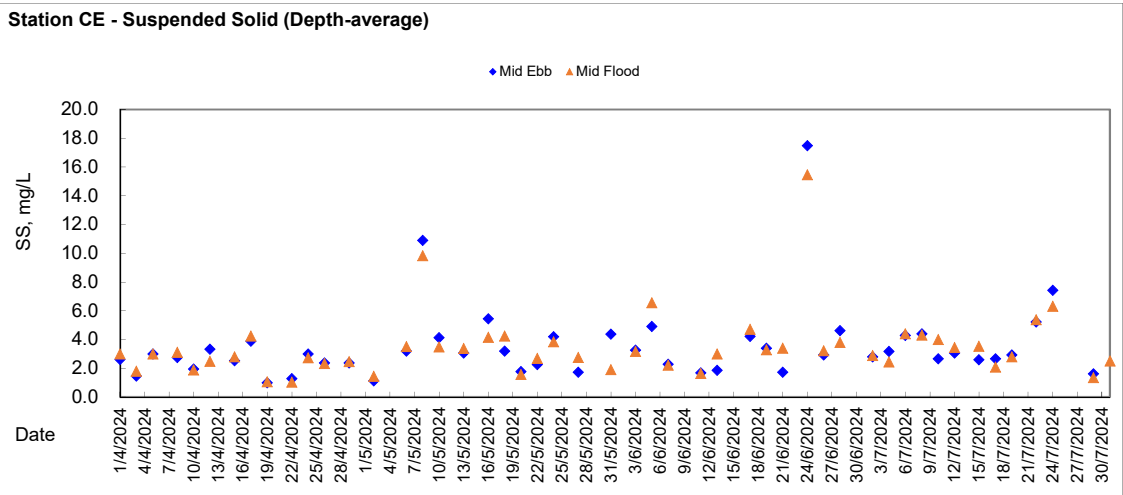
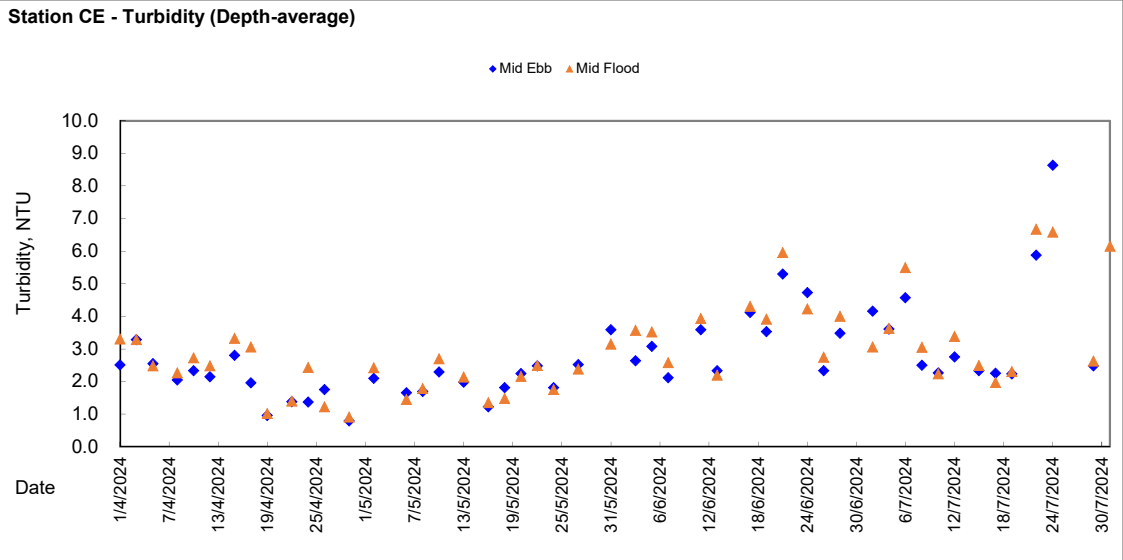
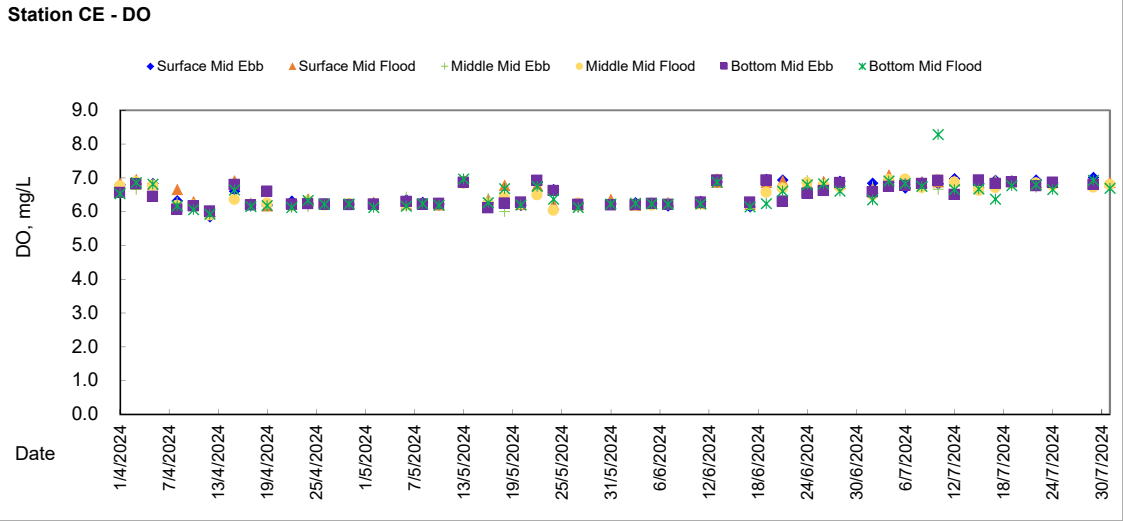


Appendix 5.2

Marine Water Quality Monitoring Graphical and Summary of Exceedance Presentations

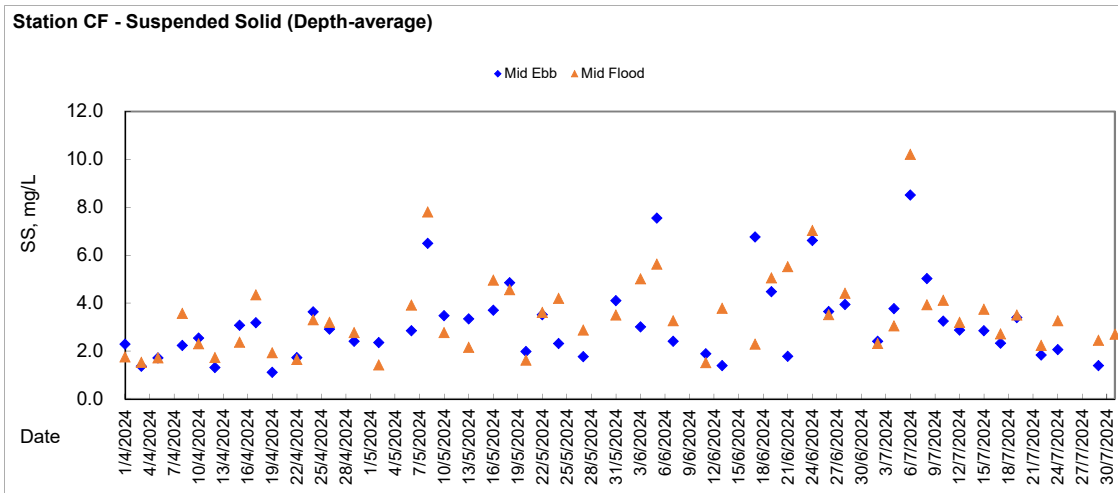
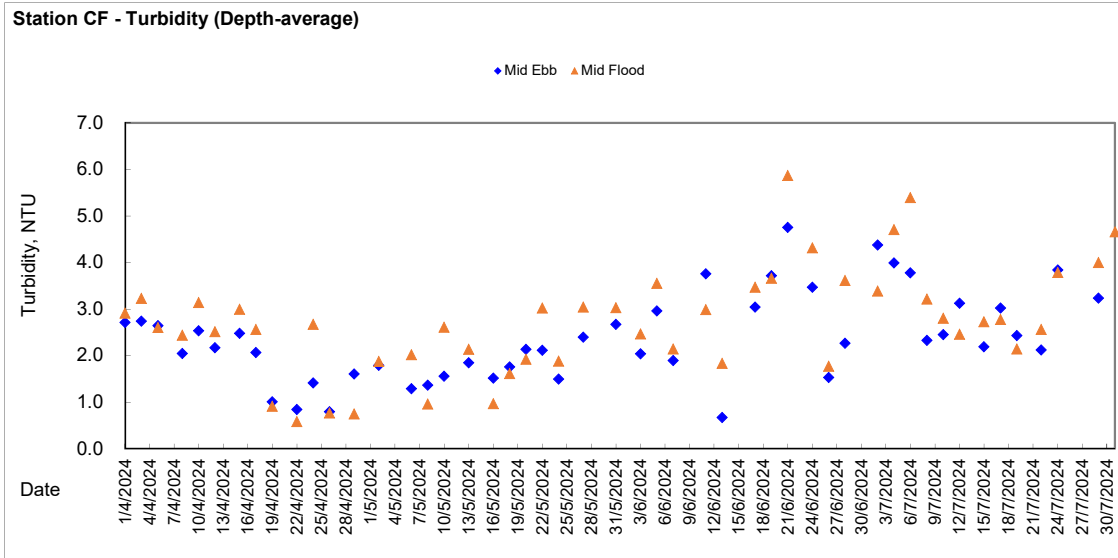
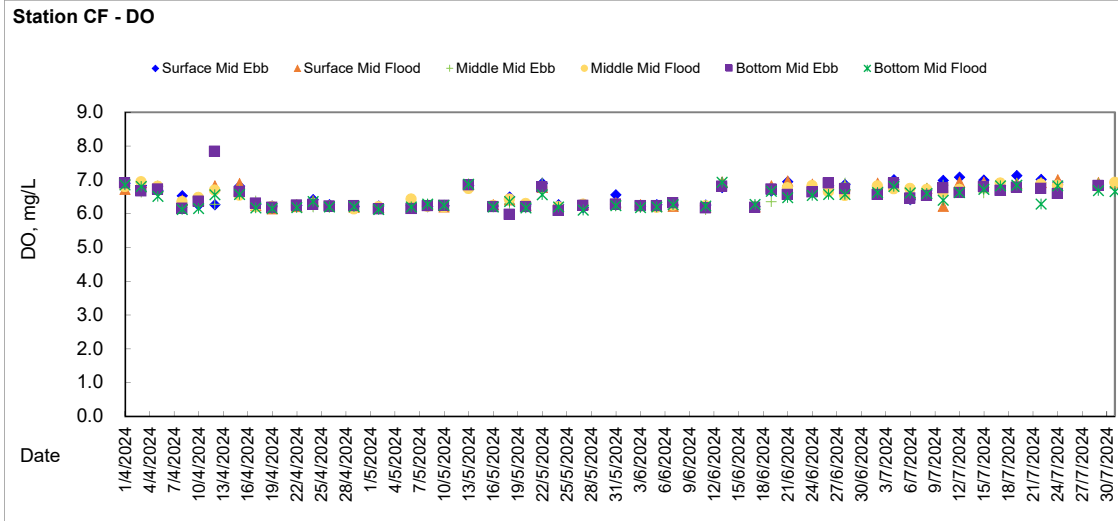


Graphic Presentation of WQM Result





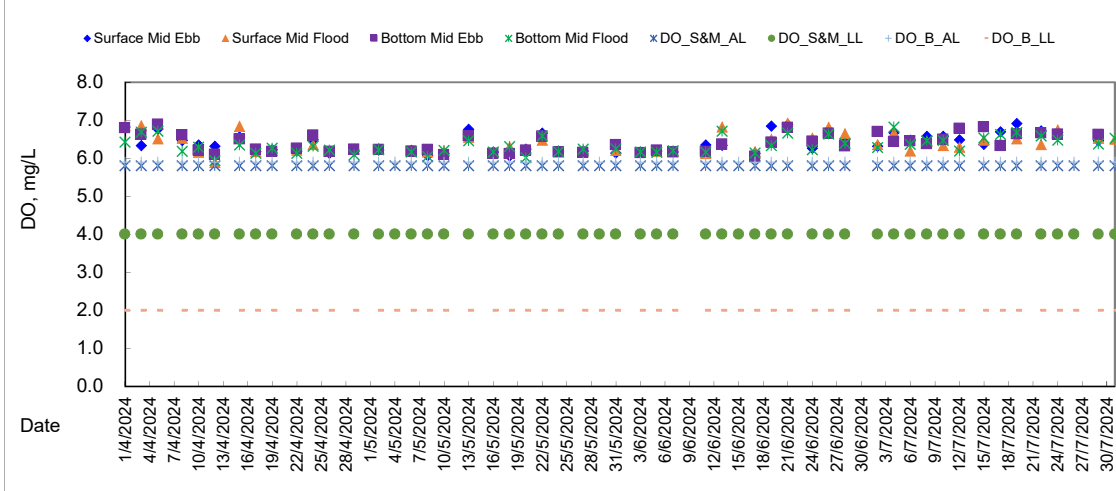
Graphic Presentation of WQM Result



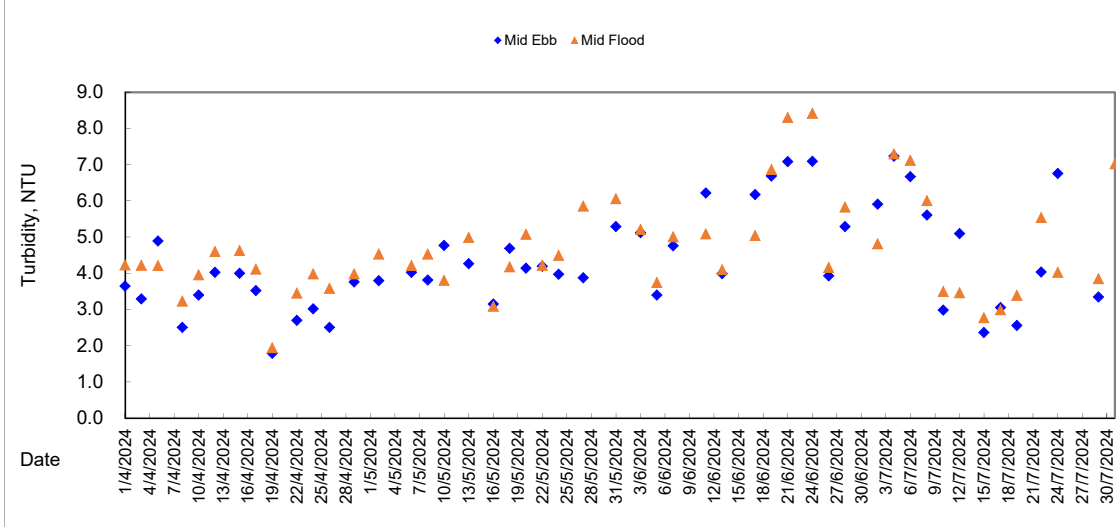


Graphic Presentation of WQM Result

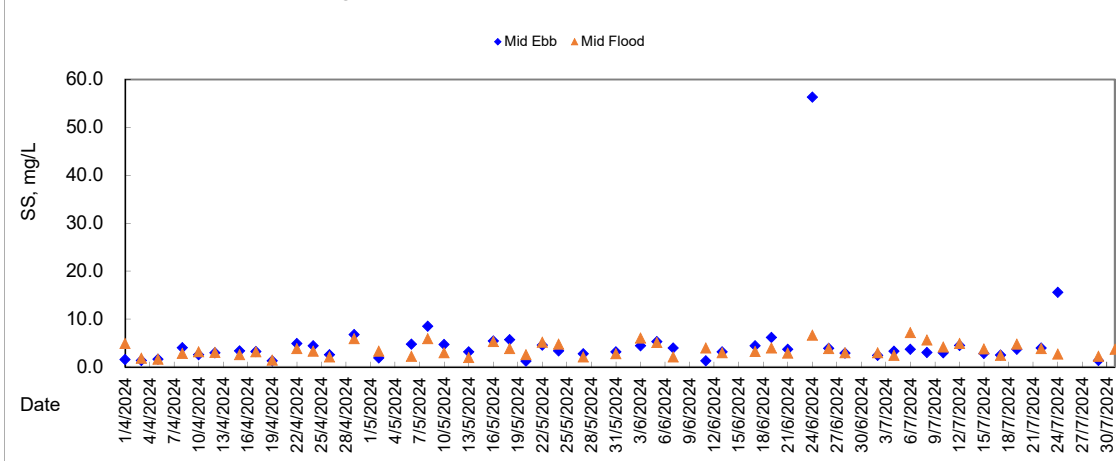
Station SR4 - DO



Station SR4 - Turbidity (Depth-average)



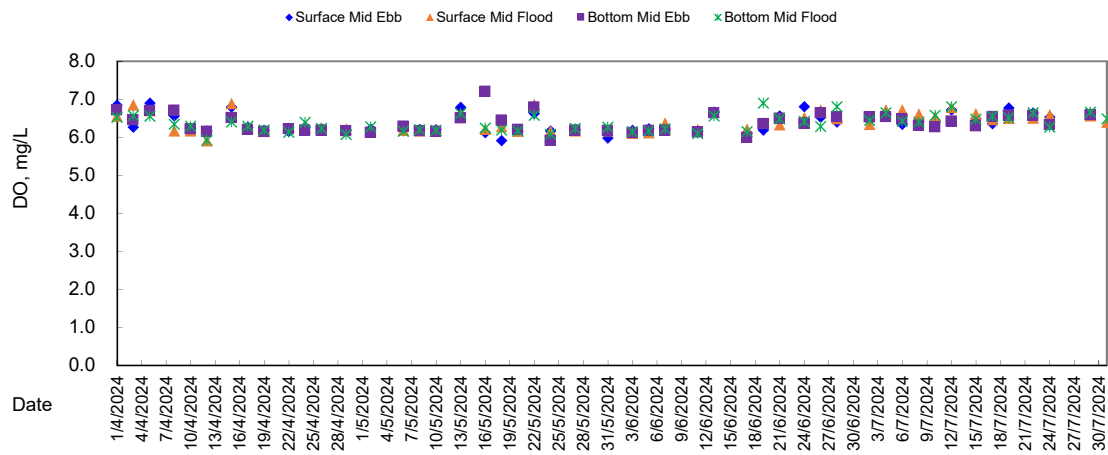
SR4- Suspended Solid (Depth-average)



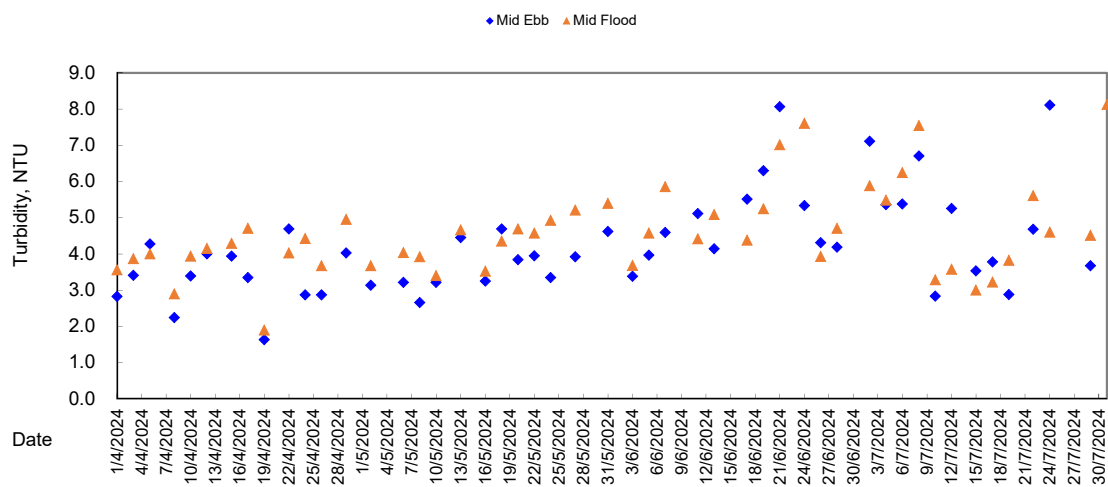


Graphic Presentation of WQM Result

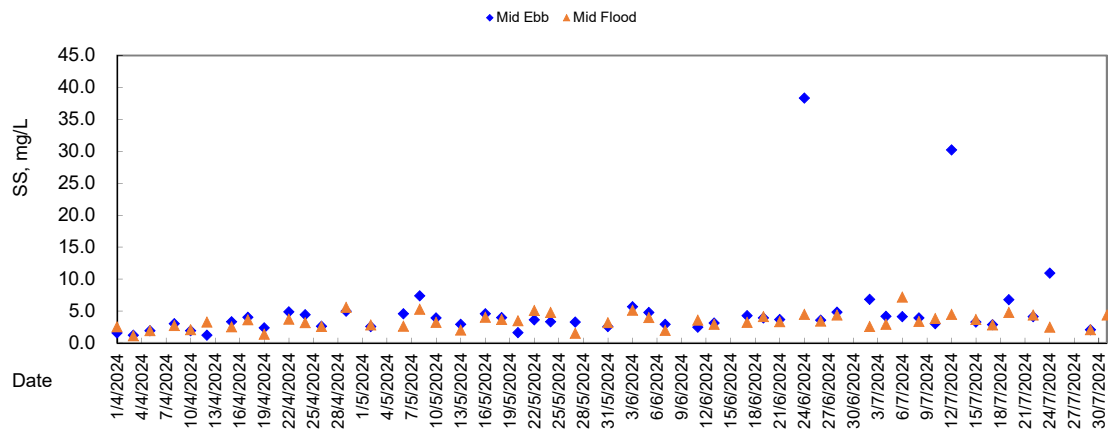
Station SR5 - DO



Station SR5 - Turbidity (Depth-average)



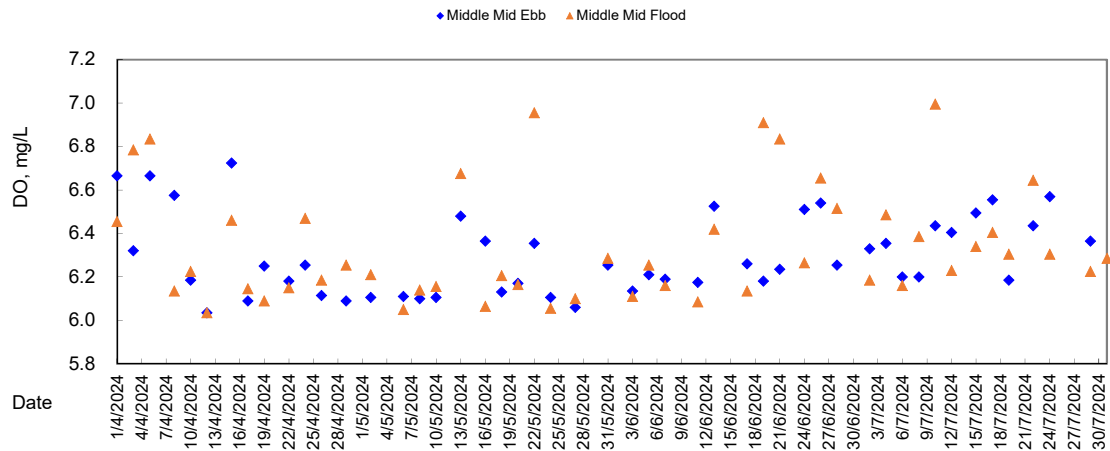
Station SR5 - Suspended Solid (Depth-average)



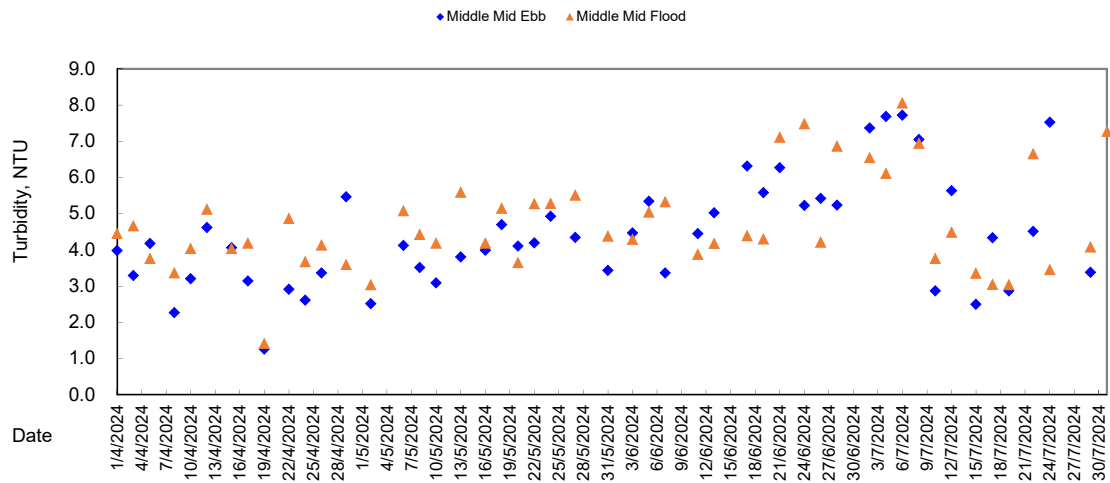


Graphic Presentation of WQM Result

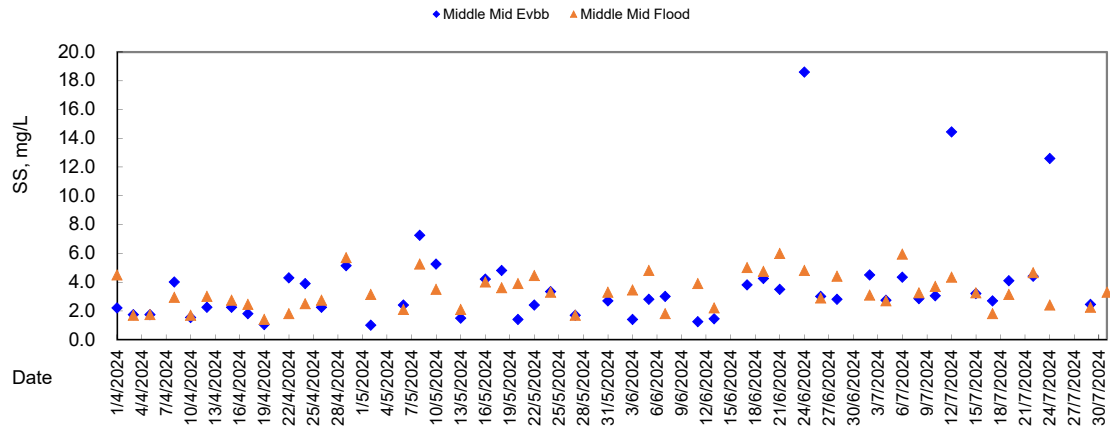
Station SR6 - DO



Station SR6 - Turbidity (Depth-average)

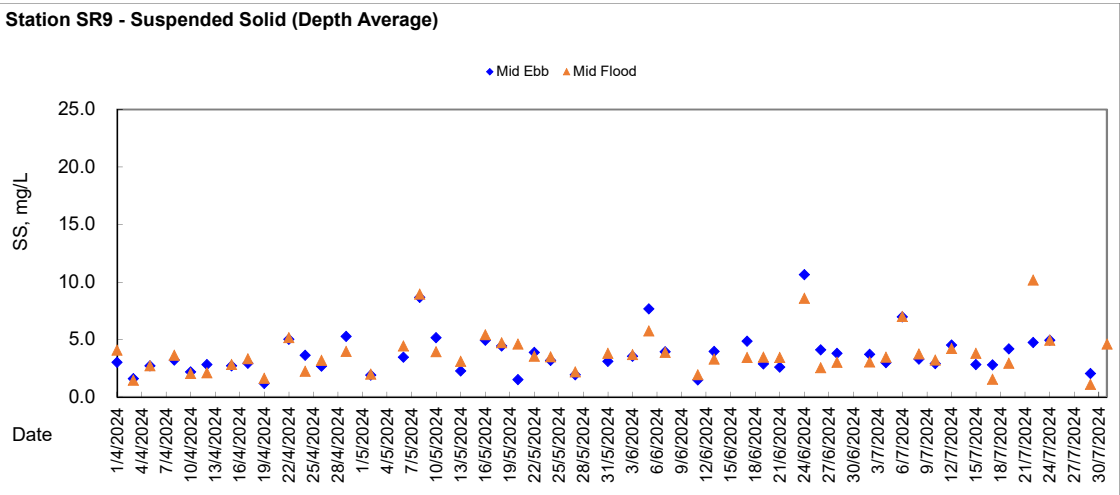
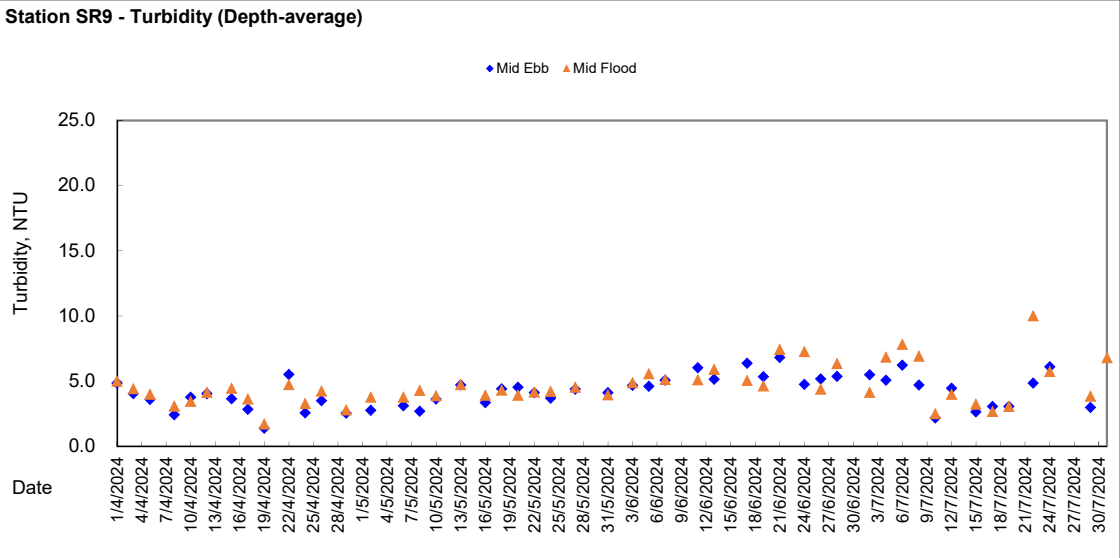
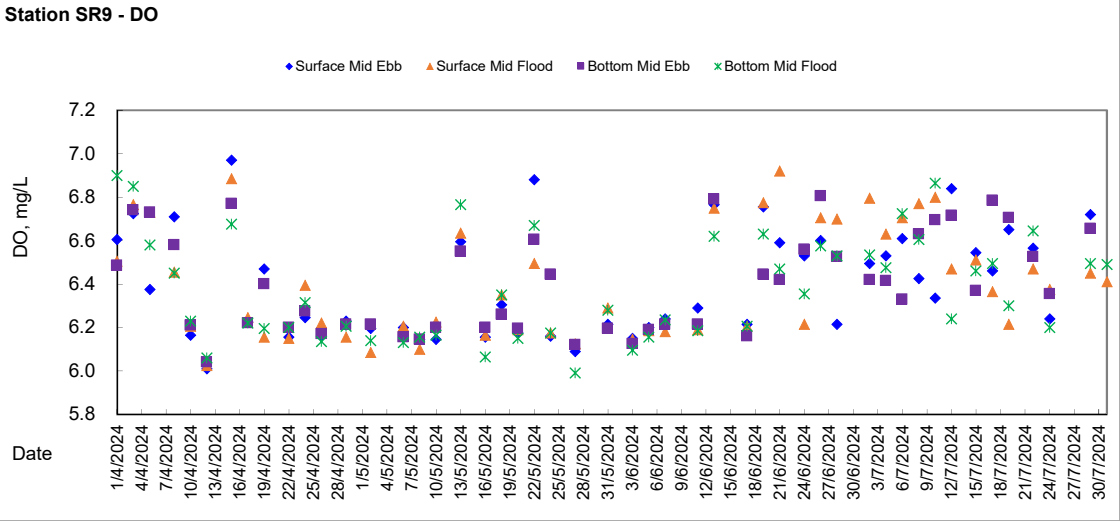


Station SR6 - Suspended Solid (Depth-average)





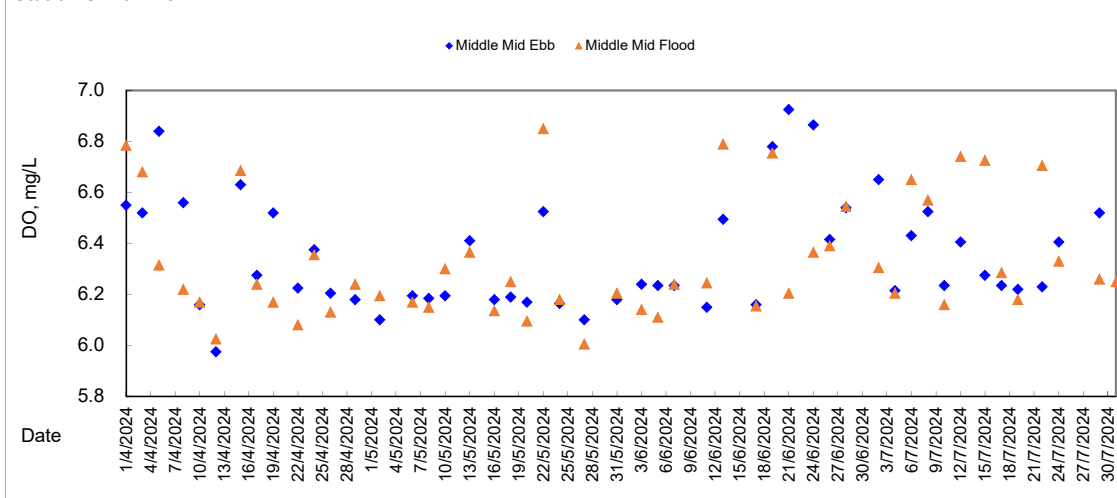
Graphic Presentation of WQM Result



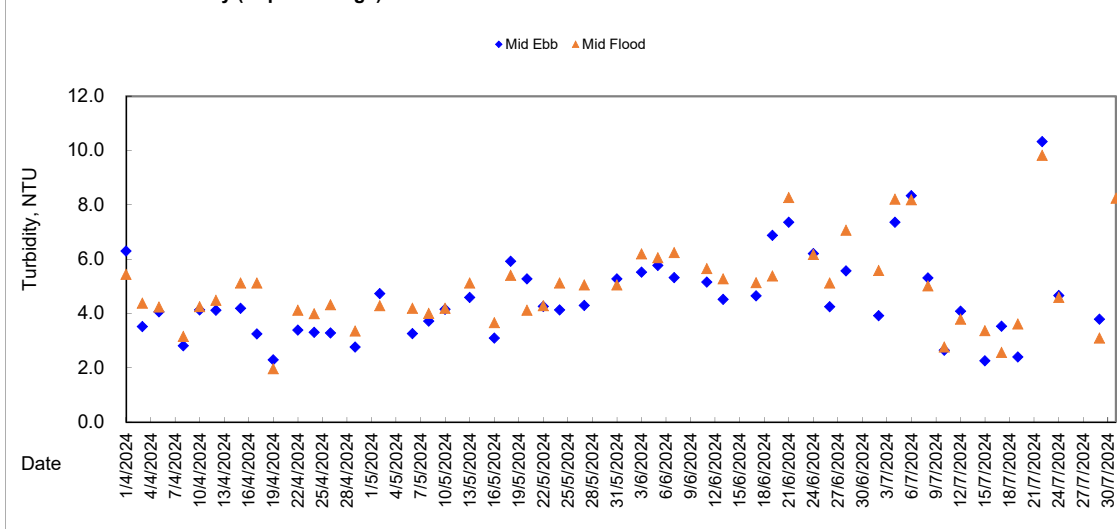


Graphic Presentation of WQM Result

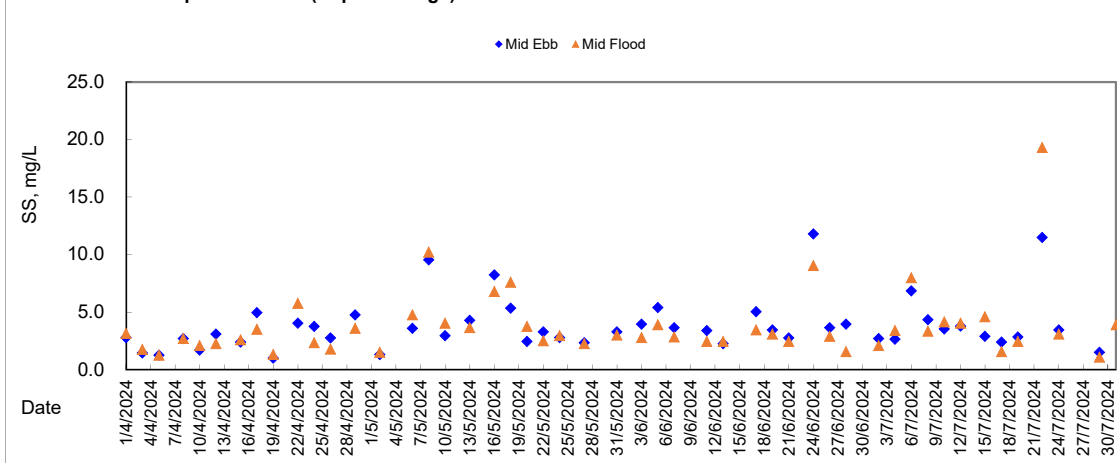
Station SR10 - DO



Station SR10 - Turbidity (Depth-average)



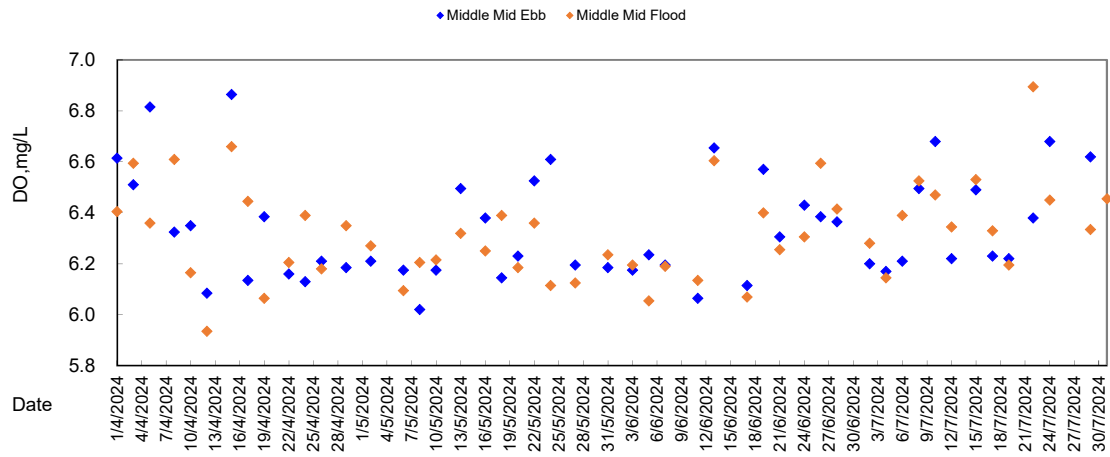
Station SR10 - Suspended Solid (Depth-average)



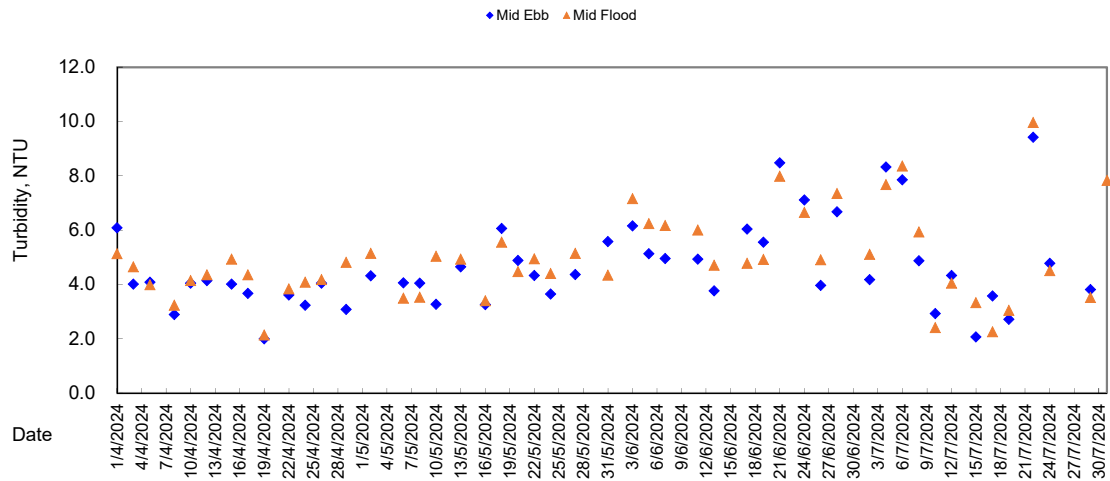


Graphic Presentation of WQM Result

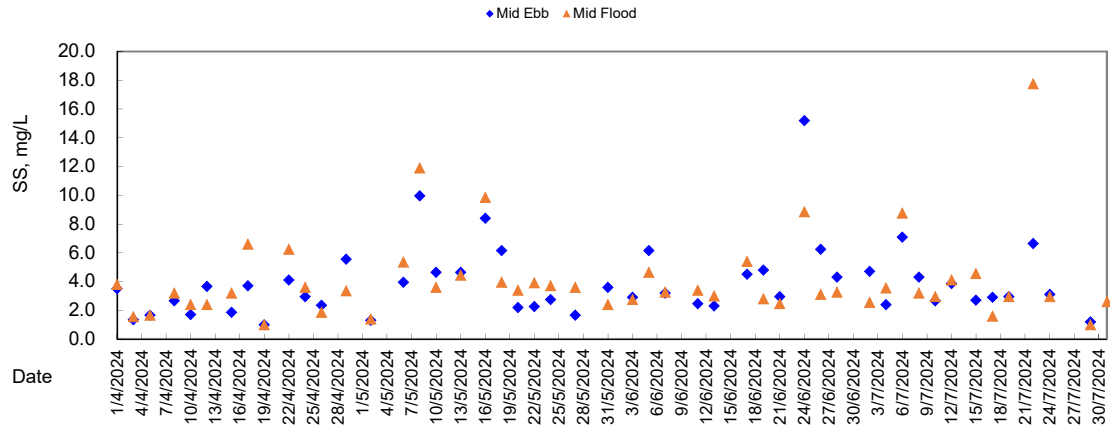
Station SR12 - DO



Station SR12 - Turbidity (Depth-average)

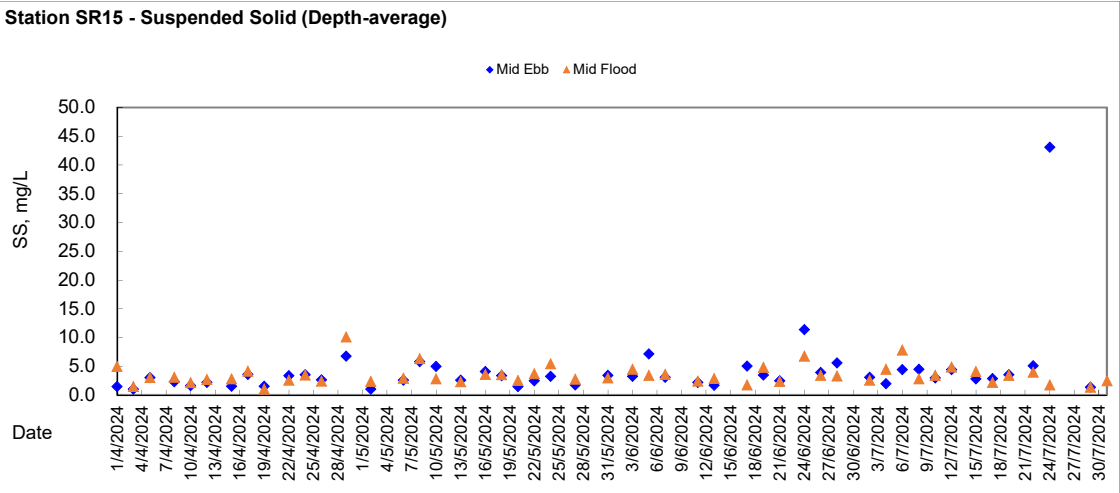
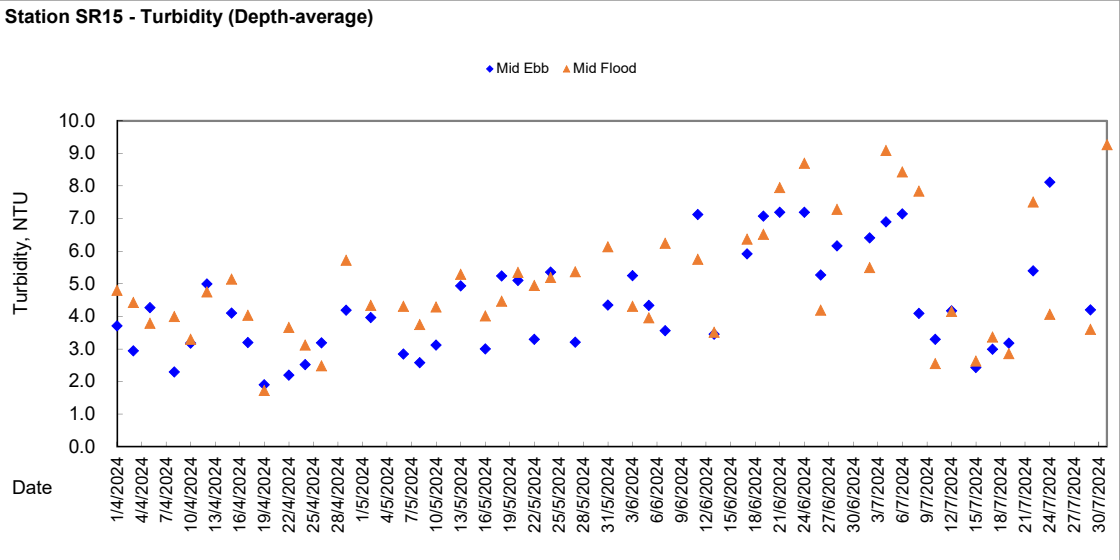
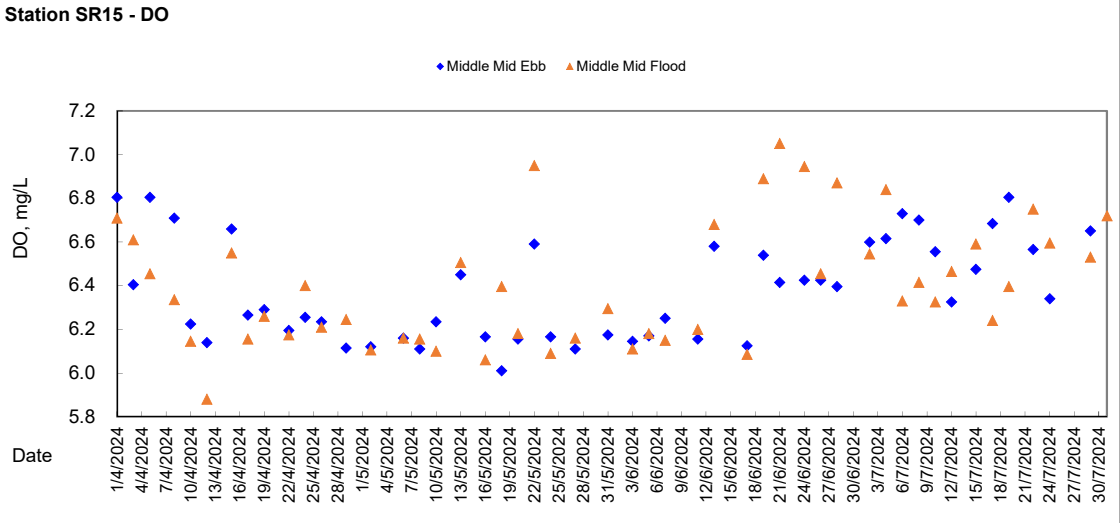


Station SR12 - Suspended Solid (Depth-average)





Graphic Presentation of WQM Result





Lam Environmental Services Limited

Contract No. SD 15/2022
Outlying Island Sewerage Stage 2 – South Lantau Sewage Works –
Environmental Team Services (2023 – 2024)

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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS	
						°C		-		ppt		%		mg/L		NTU		mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR4	2/5/2024	Cloudy	17:53	3.9	1.0	24.70	24.80	8.27	8.27	21.55	21.63	83.90	83.55	6.24	6.22	3.74	3.68	1.4	1.5
			17:54	3.9	1.0	24.90		8.27		21.70		83.20		6.19		3.61		1.6	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	10:26	3.8	1.0	25.70	25.75	8.36	8.37	26.74	26.84	82.70	81.45	6.24	6.21	3.87	3.72	2.9	2.8
			10:27	3.8	1.0	25.80		8.37		26.94		80.20		6.18		3.57		2.7	
	8/5/2024	Cloudy	11:57	3.5	1.0	26.10	26.05	8.26	8.26	25.28	25.29	81.60	80.80	6.11	6.07	3.87	3.74	8.5	8.1
			11:58	3.5	1.0	26.00		8.25		25.30		80.00		6.03		3.61		7.6	
	10/5/2024	Cloudy	13:31	3.8	1.0	25.70	25.70	8.43	8.44	28.84	28.81	85.00	85.35	6.12	6.13	4.53	4.33	5.0	4.9
			13:32	3.8	1.0	25.70		8.44		28.78		85.70		6.14		4.12		4.8	
	13/5/2024	Cloudy	16:06	3.8	1.0	25.30	25.35	8.36	8.36	28.11	28.05	89.40	90.20	6.71	6.76	4.73	4.55	3.8	3.6
			16:07	3.8	1.0	25.40		8.35		27.98		91.00		6.81		4.37		3.4	
	16/5/2024	Cloudy	18:37	3.9	1.0	25.00	25.05	8.75	8.77	29.13	29.07	86.00	85.60	6.18	6.17	3.37	3.19	4.8	5.0
			18:38	3.9	1.0	25.10		8.78		29.00		85.20		6.16		3.01		5.2	
	18/5/2024	Cloudy	8:42	3.2	1.0	26.30	26.25	8.63	8.63	28.73	28.59	80.80	80.70	6.07	6.07	5.12	5.07	5.2	5.6
			8:43	3.2	1.0	26.20		8.62		28.45		80.60		6.06		5.02		5.9	
	20/5/2024	Cloudy	10:02	3.4	1.0	25.60	25.60	8.43	8.44	28.62	28.69	83.60	84.05	6.20	6.24	4.26	4.14	<1.0	1.0
			10:03	3.4	1.0	25.60		8.44		28.75		84.50		6.28		4.01		<1.0	
	22/5/2024	Cloudy	11:07	3.8	1.0	25.90	25.95	8.38	8.38	29.70	29.68	95.40	95.55	6.66	6.67	4.51	4.29	3.8	3.6
			11:08	3.8	1.0	26.00		8.38		29.66		95.70		6.67		4.07		3.4	
	24/5/2024	Cloudy	11:57	3.9	1.0	26.40	26.40	8.33	8.32	29.01	28.96	80.20	81.35	6.18	6.19	3.88	3.78	3.1	3.1
			11:58	3.9	1.0	26.40		8.31		28.90		82.50		6.20		3.67		3.1	
	27/5/2024	Cloudy	14:02	4.1	1.0	26.90	26.90	8.40	8.41	26.42	26.36	81.20	81.75	6.17	6.20	3.49	3.62	2.6	2.4
			14:03	4.1	1.0	26.90		8.41		26.30		82.30		6.22		3.74		2.2	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	7:09	3.3	1.0	26.40	26.35	8.31	8.31	27.63	27.61	80.40	80.45	6.14	6.14	5.23	5.42	4.2	4.0
			7:10	3.3	1.0	26.30		8.30		27.58		80.50		6.14		5.60		3.7	

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.



Lam Environmental Services Limited

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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS	
						°C		-		ppt		%		mg/L		NTU		mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR4	2/5/2024	Cloudy	8:49	3.6	1.0	25.10	25.05	8.25	8.25	23.12	23.04	83.10	83.80	6.24	6.26	4.02	4.00	3.8	3.6
			8:50	3.6	1.0	25.00		8.25		22.96		84.50		6.28		3.97		3.4	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	17:07	3.2	1.0	26.20	26.30	8.41	8.41	28.69	28.60	84.80	84.40	6.21	6.18	4.25	4.12	2.1	2.2
			17:08	3.2	1.0	26.40		8.40		28.50		84.00		6.15		3.99		2.2	
	8/5/2024	Cloudy	18:21	3.1	1.0	25.60	25.60	8.22	8.23	23.22	23.29	82.80	83.05	6.14	6.17	4.61	4.78	5.4	5.6
			18:22	3.1	1.0	25.60		8.23		23.36		83.30		6.19		4.95		5.7	
	10/5/2024	Cloudy	7:01	3.2	1.0	25.30	25.20	8.36	8.37	27.05	27.01	81.50	82.10	6.17	6.19	3.99	4.12	2.6	2.7
			7:02	3.2	1.0	25.10		8.38		26.97		82.70		6.20		4.25		2.8	
	13/5/2024	Cloudy	8:35	3.7	1.0	25.70	25.65	8.30	8.31	27.12	27.05	86.40	85.65	6.61	6.56	4.92	4.84	1.6	1.6
			8:36	3.7	1.0	25.60		8.31		26.97		84.90		6.50		4.76		1.5	
	16/5/2024	Cloudy	7:16	3.4	1.0	25.50	25.45	8.71	8.71	28.69	28.63	84.60	84.30	6.16	6.16	2.98	2.90	5.7	5.9
			7:17	3.4	1.0	25.40		8.71		28.57		84.00		6.15		2.82		6.1	
	18/5/2024	Cloudy	15:13	3.3	1.0	26.40	26.40	8.58	8.59	29.11	29.24	77.10	76.75	6.31	6.30	4.36	4.24	3.8	3.3
			15:14	3.3	1.0	26.40		8.59		29.37		76.40		6.29		4.12		2.7	
	20/5/2024	Cloudy	17:00	3.2	1.0	25.30	25.35	8.53	8.53	28.51	28.45	82.90	83.80	6.19	6.23	4.97	4.92	2.4	2.3
			17:01	3.2	1.0	25.40		8.52		28.38		84.70		6.26		4.87		2.2	
	22/5/2024	Cloudy	18:24	3.4	1.0	26.30	26.25	8.32	8.33	30.37	30.28	89.60	89.95	6.46	6.48	4.07	4.14	4.7	4.5
			18:25	3.4	1.0	26.20		8.33		30.19		90.30		6.50		4.20		4.3	
	24/5/2024	Cloudy	18:17	3.5	1.0	26.70	26.60	8.32	8.33	29.37	29.30	84.00	85.15	6.15	6.17	4.42	4.27	5.6	5.8
			18:18	3.5	1.0	26.50		8.33		29.23		86.30		6.19		4.12		6.0	
	27/5/2024	Cloudy	7:12	3.8	1.0	26.70	26.65	8.36	8.36	26.89	26.84	85.00	85.45	6.18	6.19	6.01	5.94	1.6	1.7
			7:13	3.8	1.0	26.60		8.36		26.79		85.90		6.20		5.87		1.7	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	12:09	3.8	1.0	26.70	26.70	8.36	8.36	28.15	28.02	83.50	83.75	6.19	6.21	6.02	6.00	2.6	2.4
			12:10	3.8	1.0	26.70		8.35		27.89		84.00		6.23		5.97		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.



Lam Environmental Services Limited

Contract No. SD 15/2022
Outlying Island Sewerage Stage 2 – South Lantau Sewage Works –
Environmental Team Services (2023 – 2024)

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	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR4	2/5/2024	Cloudy	17:55	3.9	2.9	24.80	24.70	8.26	8.27	22.21	22.33	83.60	83.90	6.20	6.23	3.81	3.92	2.5	2.4
			17:56	3.9	2.9	24.60		8.27		22.45		84.20		6.25		4.02		2.2	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	10:28	3.8	2.8	25.70	25.70	8.37	8.38	28.25	28.18	80.40	80.35	6.19	6.19	4.28	4.34	6.9	6.8
			10:29	3.8	2.8	25.70		8.38		28.10		80.30		6.18		4.40		6.6	
	8/5/2024	Cloudy	11:59	3.8	2.8	25.90	25.95	8.26	8.25	25.38	25.41	83.60	84.20	6.20	6.23	3.77	3.90	9.0	9.0
			12:00	3.5	2.5	26.00		8.24		25.43		84.80		6.25		4.02		9.0	
	10/5/2024	Cloudy	13:33	3.8	2.8	25.80	25.75	8.45	8.45	28.98	28.95	84.80	84.20	6.11	6.09	5.01	5.21	4.5	4.5
			13:34	3.8	2.8	25.70		8.44		28.92		83.60		6.07		5.40		4.5	
	13/5/2024	Cloudy	16:08	3.8	2.8	25.30	25.30	8.34	8.35	27.54	27.51	88.90	87.50	6.62	6.59	4.12	3.98	2.6	2.7
			16:09	3.8	2.8	25.30		8.36		27.48		86.10		6.55		3.84		2.8	
	16/5/2024	Cloudy	18:39	3.2	2.9	25.30	25.25	8.78	8.79	29.05	29.01	84.50	84.70	6.11	6.13	2.98	3.12	6.0	5.9
			18:40	3.9	2.9	25.20		8.80		28.97		84.90		6.14		3.25		5.7	
	18/5/2024	Cloudy	8:44	3.2	2.2	26.20	26.10	8.48	8.50	29.01	28.95	83.80	81.30	6.14	6.12	4.25	4.31	6.3	5.9
			8:45	3.2	2.2	26.00		8.51		28.98		80.80		6.09		4.37		5.4	
	20/5/2024	Cloudy	10:04	3.4	2.4	25.50	25.55	8.49	8.43	29.01	28.99	84.90	84.85	6.21	6.21	3.97	4.15	1.6	1.5
			10:05	3.4	2.4	25.60		8.43		28.96		84.90		6.20		4.32		1.4	
	22/5/2024	Cloudy	11:09	3.8	2.8	26.10	26.00	8.38	8.39	30.02	30.00	90.30	90.50	6.58	6.58	4.25	4.11	5.4	5.6
			11:10	3.8	2.8	25.90		8.39		29.97		90.70		6.57		3.96		5.7	
	24/5/2024	Cloudy	11:59	3.9	2.9	26.50	26.40	8.32	8.32	29.23	29.15	84.60	83.35	6.19	6.17	4.10	4.18	3.8	3.6
			12:00	3.9	2.9	26.30		8.32		29.07		82.10		6.14		4.25		3.4	
	27/5/2024	Cloudy	14:05	4.1	3.1	26.80	26.80	8.41	8.40	27.14	27.07	84.60	84.15	6.16	6.15	4.25	4.15	3.4	3.2
			14:06	4.1	3.1	26.80		8.39		27.00		83.70		6.14		4.04		3.0	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	7:11	3.3	2.3	26.40	26.30	8.30	8.30	28.10	28.00	85.90	85.15	6.38	6.35	5.34	5.18	2.3	2.5
			7:12	3.3	2.3	26.20		8.30		27.89		84.40		6.32		5.01		2.6	

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.



Lam Environmental Services Limited

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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR4	2/5/2024	Cloudy	8:51	3.6	2.6	25.10	25.10	8.24	8.25	23.54	23.62	83.60	83.90	6.20	6.23	5.12	5.07	2.8	3.0
			8:52	3.6	2.6	25.10		8.25		23.69		84.20		6.25		5.01		3.2	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	17:09	3.2	2.2	26.40	26.35	8.41	8.42	28.94	29.13	84.60	84.15	6.19	6.17	4.37	4.31	2.4	2.4
			17:10	3.2	2.2	26.30		8.43		29.31		83.70		6.14		4.25		2.3	
	8/5/2024	Cloudy	18:23	3.1	2.1	25.50	25.55	8.25	8.25	23.19	23.09	80.80	80.55	6.06	6.05	4.47	4.29	5.8	6.2
			18:24	3.1	2.1	25.60		8.24		22.98		80.30		6.04		4.10		6.6	
	10/5/2024	Cloudy	7:03	3.2	2.2	25.20	25.10	8.40	8.41	27.25	27.15	82.10	82.60	6.19	6.21	3.28	3.49	3.4	3.2
			7:04	3.2	2.2	25.00		8.42		27.05		83.10		6.23		3.69		3.0	
	13/5/2024	Cloudy	8:37	3.7	2.7	26.00	25.90	8.32	8.32	27.29	27.37	83.40	83.30	6.48	6.46	5.04	5.14	2.3	2.4
			8:38	3.7	2.7	25.80		8.31		27.44		83.20		6.44		5.24		2.5	
	16/5/2024	Cloudy	7:18	3.4	2.4	25.40	25.50	8.70	8.69	28.74	28.62	83.70	84.05	6.15	6.17	3.14	3.28	4.8	4.7
			7:19	3.4	2.4	25.60		8.68		28.50		84.40		6.18		3.41		4.5	
	18/5/2024	Cloudy	15:15	3.3	2.3	26.50	26.60	8.50	8.51	29.41	29.47	79.70	79.10	6.38	6.31	4.25	4.12	4.3	4.4
			15:16	3.3	2.3	26.70		8.52		29.52		78.50		6.23		3.98		4.5	
	20/5/2024	Cloudy	17:02	3.2	2.2	25.40	25.40	8.50	8.51	28.90	28.82	80.30	80.35	6.02	6.02	5.12	5.25	2.8	2.9
			17:03	3.2	2.2	25.40		8.51		28.74		80.40		6.01		5.37		3.0	
	22/5/2024	Cloudy	18:26	3.4	2.4	26.40	26.30	8.34	8.33	30.84	30.73	93.70	93.30	6.62	6.59	4.25	4.31	5.9	5.9
			18:27	3.4	2.4	26.20		8.32		30.61		92.90		6.55		4.37		5.8	
	24/5/2024	Cloudy	18:19	3.5	2.5	26.60	26.55	8.34	8.34	29.73	29.57	84.90	84.75	6.19	6.18	4.56	4.72	3.4	3.7
			18:20	3.5	2.5	26.50		8.33		29.41		84.60		6.16		4.87		4.0	
	27/5/2024	Cloudy	7:14	3.8	2.8	26.70	26.75	8.38	8.37	27.59	27.50	89.50	89.85	6.20	6.24	5.67	5.78	2.4	2.5
			7:15	3.8	2.8	26.80		8.36		27.41		90.20		6.28		5.89		2.6	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	12:11	3.8	2.8	26.60	26.65	8.37	8.37	28.37	28.24	84.80	84.65	6.27	6.25	6.01	6.13	3.4	3.2
			12:12	3.8	2.8	26.70		8.36		28.10		84.50		6.23		6.24		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.



Lam Environmental Services Limited

Contract No. SD 15/2022
Outlying Island Sewerage Stage 2 – South Lantau Sewage Works –
Environmental Team Services (2023 – 2024)

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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS	
						°C				ppt		%		mg/L		NTU		mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR5	2/5/2024	Cloudy	17:44	4.2	1.0	24.80	24.70	8.28		23.01	22.85	83.90	83.65	6.24	6.22	3.42	3.34	2.2	2.4
			17:45	4.2	1.0	24.60		8.27		22.69		83.40		6.20		3.25		2.5	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	10:35	4.3	1.0	25.80	25.85	8.38	8.38	26.94	26.91	89.50	89.80	6.25	6.27	3.36	3.19	3.0	2.9
			10:36	4.3	1.0	25.90		8.37		26.87		90.10		6.28		3.01		2.8	
	8/5/2024	Cloudy	13:21	4.0	1.0	26.10	26.10	8.24	8.25	25.30	25.36	84.20	84.10	6.21	6.21	2.74	2.67	7.3	7.1
			12:08	3.9	1.0	26.10		8.25		25.42		84.00		6.20		2.60		6.9	
	10/5/2024	Cloudy	13:21	4.0	1.0	25.70	25.75	8.45	8.46	28.73	28.66	84.90	84.85	6.20	6.20	2.98	3.12	4.2	4.2
			13:22	4.0	1.0	25.80		8.46		28.59		84.80		6.20		3.25		4.2	
	13/5/2024	Cloudy	15:57	4.2	1.0	25.40	25.40	8.35	8.35	27.64	27.62	91.50	90.30	6.85	6.79	4.47	4.26	3.2	3.4
			15:58	4.2	1.0	25.40		8.35		27.59		89.10		6.73		4.04		3.6	
	16/5/2024	Cloudy	18:28	4.0	1.0	25.20	25.10	8.79	8.80	29.37	29.20	82.10	82.30	6.09	6.13	3.24	3.16	4.2	4.4
			18:29	4.2	1.0	25.00		8.80		29.02		82.50		6.16		3.08		4.5	
	18/5/2024	Cloudy	8:51	4.0	1.0	26.00	25.95	8.50	8.51	28.73	28.86	77.50	78.60	5.89	5.92	4.12	4.32	2.9	3.6
			8:52	4.0	1.0	25.90		8.51		28.98		79.70		5.94		4.52		4.2	
	20/5/2024	Cloudy	10:12	3.9	1.0	25.60	25.55	8.46	8.46	28.60	28.61	87.30	87.65	6.14	6.16	4.09	3.98	<1.0	1.0
			10:13	3.9	1.0	25.50		8.45		28.62		88.00		6.18		3.87		<1.0	
	22/5/2024	Cloudy	11:16	4.3	1.0	26.00	25.95	8.37	8.38	29.84	29.80	93.80	93.70	6.63	6.63	3.97	3.87	2.6	2.7
			11:17	4.3	1.0	25.90		8.38		29.75		93.60		6.62		3.76		2.8	
	24/5/2024	Cloudy	12:06	4.3	1.0	26.40	26.40	8.31	8.31	29.36	29.24	82.10	82.55	6.13	6.17	3.37	3.23	3.2	3.0
			12:07	4.3	1.0	26.40		8.30		29.12		83.00		6.20		3.08		2.8	
	27/5/2024	Cloudy	13:53	4.3	1.0	26.90	26.85	8.40	8.41	26.34	26.41	83.00	83.05	6.18	6.19	3.94	3.84	2.6	2.8
			13:54	4.3	1.0	26.80		8.41		26.47		83.10		6.20		3.74		2.9	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	7:19	3.8	1.0	26.30	26.30	8.39	8.35	27.73	27.69	78.70	79.40	5.94	5.98	4.42	4.33	2.2	2.4
			7:20	3.8	1.0	26.30		8.31		27.64		80.10		6.02		4.24		2.5	

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



Lam Environmental Services Limited

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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS	
						°C		-		ppt		%		mg/L		NTU		mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR5	2/5/2024	Cloudy	8:58	3.8	1.0	25.10	25.15	8.27	8.26	23.37	23.28	83.40	83.30	6.20	6.20	4.02	4.14	3.6	3.5
			8:59	3.8	1.0	25.20		8.25		23.19		83.20		6.19	6.20	4.25	4.14	3.3	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	16:58	3.8	1.0	26.10	26.15	8.39	8.39	28.62	28.68	83.80	83.70	6.19	6.19	4.02	3.95	2.4	2.3
			16:59	3.8	1.0	26.20		8.38		28.73		83.60		6.18		3.87		2.1	
	8/5/2024	Cloudy	18:11	3.3	1.0	25.70	25.70	8.25	8.24	22.97	22.90	81.80	82.75	6.12	6.17	3.84	3.80	5.2	4.9
			18:12	3.3	1.0	25.70		8.23		22.82		83.70		6.22		3.75		4.6	
	10/5/2024	Cloudy	7:10	3.6	1.0	25.10	25.05	8.36	8.37	26.94	26.87	82.60	82.85	6.16	6.18	3.51	3.63	2.9	2.8
			7:11	3.6	1.0	25.00		8.38		26.80		83.10		6.19		3.75		2.6	
	13/5/2024	Cloudy	8:45	3.9	1.0	25.70	25.75	8.32	8.33	27.14	27.27	86.80	86.85	6.60	6.61	4.69	4.50	1.4	1.6
			8:46	3.9	1.0	25.80		8.34		27.40		86.90		6.61		4.30		1.7	
	16/5/2024	Cloudy	7:26	3.8	1.0	25.70	25.70	8.70	8.70	27.49	27.41	80.30	80.35	6.20	6.21	3.50	3.31	4.5	4.7
			7:27	3.8	1.0	25.70		8.69		27.33		80.40		6.21		3.11		4.8	
	18/5/2024	Cloudy	15:03	4.1	1.0	26.50	26.50	8.56	8.57	29.05	29.10	78.90	79.50	6.24	6.28	4.24	4.15	3.7	3.8
			15:04	4.1	1.0	26.50		8.57		29.15		80.20		6.31		4.05		3.9	
	20/5/2024	Cloudy	16:51	3.6	1.0	25.50	25.50	8.51	8.51	29.01	28.95	81.20	81.05	6.17	6.16	4.73	4.49	3.1	3.2
			16:52	3.6	1.0	25.50		8.51		28.89		80.90		6.15		4.25		3.3	
	22/5/2024	Cloudy	18:14	3.8	1.0	26.10	26.10	8.33	8.34	30.41	30.51	96.20	97.10	6.83	6.86	5.12	5.04	4.2	4.4
			18:15	3.8	1.0	26.10		8.34		30.61		98.00		6.89		4.95		4.5	
	24/5/2024	Cloudy	18:08	3.8	1.0	26.70	26.70	8.31	8.32	29.30	29.27	86.50	86.90	6.13	6.16	4.76	4.86	4.4	4.2
			18:09	3.8	1.0	26.70		8.32		29.24		87.30		6.18		4.95		4.0	
	27/5/2024	Cloudy	7:22	3.9	1.0	26.60	26.55	8.37	8.37	26.94	26.77	84.60	84.95	6.16	6.17	5.19	5.28	1.3	1.3
			7:23	3.9	1.0	26.50		8.37		26.60		85.30		6.18		5.37		1.2	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	11:59	4.1	1.0	26.80	26.75	8.36	8.36	28.13	28.06	83.60	83.25	6.19	6.17	5.87	5.62	2.4	2.5
		12:00	4.1	1.0	26.70		8.35		27.98		82.90		6.14		5.37		2.6		

**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	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR5	2/5/2024	Cloudy	17:47	4.2	3.2	24.80	24.75	8.26	8.27	22.20	22.43	82.60	82.55	6.13	6.13	2.85	2.93	2.8	2.8
			17:48	4.2	3.2	24.70		8.27		22.65		82.50		6.12		3.01		2.8	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	10:38	4.3	3.3	25.80	25.70	8.37	8.37	27.98	28.09	89.50	90.40	6.25	6.28	2.98	3.24	6.5	6.3
			10:39	4.3	3.3	25.60		8.36		28.19		91.30		6.31		3.50		6.1	
	8/5/2024	Cloudy	12:09	3.9	2.9	26.20	26.15	8.23	8.24	25.49	25.61	82.50	81.55	6.19	6.17	2.73	2.65	7.0	7.7
			12:10	3.9	2.9	26.10		8.24		25.73		80.60		6.14		2.56		8.3	
	10/5/2024	Cloudy	13:24	4.0	3.0	25.80	25.85	8.46	8.46	29.25	29.14	82.20	82.50	6.12	6.15	3.14	3.31	3.5	3.7
			13:25	4.0	3.0	25.90		8.45		29.02		82.80		6.17		3.47		3.9	
	13/5/2024	Cloudy	16:00	4.2	3.2	25.30	25.40	8.35	8.36	27.18	27.12	85.30	84.95	6.53	6.50	4.89	4.66	2.6	2.5
			16:01	4.2	3.2	25.50		8.36		27.05		84.60		6.47		4.42		2.4	
	16/5/2024	Cloudy	18:31	4.0	3.2	25.10	25.20	8.78	8.78	29.12	29.27	86.80	85.50	8.23	7.21	3.56	3.35	4.7	4.8
			18:32	4.2	3.2	25.30		8.78		29.41		84.20		6.18		3.13		4.9	
	18/5/2024	Cloudy	8:54	4.0	3.0	26.30	26.25	8.60	8.61	28.65	28.59	90.20	89.15	6.49	6.44	4.98	5.06	5.5	4.4
			8:55	4.0	3.0	26.20		8.62		28.53		88.10		6.39		5.14		3.3	
	20/5/2024	Cloudy	10:14	3.9	2.9	25.50	25.45	8.44	8.44	29.11	29.02	84.80	84.70	6.21	6.20	3.56	3.70	2.1	2.3
			10:15	3.9	2.9	25.40		8.43		28.92		84.60		6.19		3.84		2.4	
	22/5/2024	Cloudy	11:19	4.3	3.3	26.10	26.05	8.39	8.35	30.25	30.14	95.50	96.40	6.75	6.79	4.25	4.04	4.7	4.6
			11:20	4.3	3.3	26.00		8.30		30.02		97.30		6.83		3.82		4.5	
	24/5/2024	Cloudy	12:09	4.3	3.3	26.40	26.30	8.32	8.32	29.57	29.49	79.60	78.80	5.94	5.92	3.25	3.47	3.8	3.7
			12:10	4.3	3.3	26.20		8.31		29.41		78.00		5.89		3.69		3.5	
	27/5/2024	Cloudy	13:56	4.3	3.3	26.70	26.70	8.40	8.40	27.41	27.27	81.20	81.25	6.17	6.18	3.87	4.00	3.6	3.8
			13:57	4.3	3.3	26.70		8.40		27.12		81.30		6.19		4.12		4.0	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	7:21	3.8	2.8	26.40	26.40	8.43	8.38	28.13	28.08	82.70	82.75	6.16	6.18	5.01	4.90	2.7	2.9
			7:22	3.8	2.8	26.40		8.32		28.02		82.80		6.19		4.79		3.0	

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

**Impact Water Quality Monitoring at Station SR5 (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	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR5	2/5/2024	Cloudy	9:00	3.8	2.8	25.00	25.05	8.26	8.25	23.84	23.76	83.10	83.65	6.24	6.28	3.14	3.21	2.1	2.2
			9:01	3.8	2.8	25.10		8.24		23.67		84.20		6.31		3.27		2.3	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	17:00	3.8	2.8	26.20	26.20	8.41	8.42	29.25	29.37	82.10	81.85	6.19	6.16	4.25	4.13	3.2	3.0
			17:01	3.8	2.8	26.20		8.42		29.49		81.60		6.12		4.01		2.8	
	8/5/2024	Cloudy	18:13	3.3	2.3	25.70	25.65	8.24	8.24	23.34	23.18	82.80	83.00	6.17	6.20	3.94	4.05	5.8	5.7
			18:14	3.3	2.3	25.60		8.23		23.01		83.20		6.23		4.15		5.6	
	10/5/2024	Cloudy	7:12	3.6	2.6	25.30	25.25	8.39	8.40	27.25	27.18	81.50	81.95	6.17	6.19	3.34	3.16	3.5	3.7
			7:13	3.6	2.6	25.20		8.40		27.11		82.40		6.20		2.98		3.9	
	13/5/2024	Cloudy	8:47	3.9	2.9	25.70	25.70	8.32	8.33	27.41	27.63	86.30	86.65	6.60	6.63	4.99	4.84	2.6	2.5
			8:48	3.9	2.9	25.70		8.33		27.85		87.00		6.66		4.69		2.4	
	16/5/2024	Cloudy	7:28	3.8	2.8	25.60	25.65	8.69	8.69	28.69	28.61	83.90	83.75	6.25	6.25	3.65	3.75	3.6	3.4
			7:29	3.8	2.8	25.70		8.69		28.52		83.60		6.24		3.84		3.2	
	18/5/2024	Cloudy	15:06	4.1	3.1	26.60	26.55	8.50	8.52	29.17	29.27	84.60	84.20	6.21	6.19	4.47	4.57	4.4	3.6
			15:07	4.1	3.1	26.50		8.53		29.36		83.80		6.17		4.67		2.8	
	20/5/2024	Cloudy	16:53	3.6	2.6	25.60	25.55	8.51	8.50	28.63	28.68	86.30	85.15	6.19	6.17	4.85	4.90	3.6	3.8
			16:54	3.6	2.6	25.50		8.49		28.73		84.00		6.15		4.94		4.0	
	22/5/2024	Cloudy	18:16	3.8	2.8	26.30	26.25	8.33	8.32	30.64	30.68	94.00	93.45	6.60	6.58	3.98	4.12	6.0	5.9
			18:17	3.8	2.8	26.20		8.31		30.72		92.90		6.55		4.25		5.7	
	24/5/2024	Cloudy	18:10	3.8	2.8	26.60	26.60	8.34	8.33	29.57	29.53	89.30	88.80	6.12	6.08	4.90	5.00	5.2	5.4
			18:11	3.8	2.8	26.60		8.32		29.49		88.30		6.04		5.09		5.5	
	27/5/2024	Cloudy	7:24	3.9	2.9	26.60	26.60	8.37	8.37	27.41	27.39	89.40	88.85	6.25	6.24	5.18	5.14	1.8	1.8
			7:25	3.9	2.9	26.60		8.36		27.36		88.30		6.22		5.09		1.7	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	12:02	4.1	3.1	26.80	26.75	8.37	8.37	28.43	28.28	83.50	83.60	6.26	6.27	5.09	5.17	3.6	3.8
			12:03	4.1	3.1	26.70		8.36		28.13		83.70		6.27		5.24		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.



Lam Environmental Services Limited

Contract No. SD 15/2022
Outlying Island Sewerage Stage 2 – South Lantau Sewage Works –
Environmental Team Services (2023 – 2024)

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	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR6	2/5/2024	Cloudy	17:34	2.7	1.4	24.90	24.85	8.28	8.29	21.06	21.45	81.60	81.90	6.08	6.11	2.61	2.52	<1.0	1.0
			17:35	2.7	1.4	24.80		8.29		21.84		82.20		6.13		2.43		<1.0	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	10:45	2.8	1.4	26.10	26.05	8.38	8.38	27.15	27.04	84.90	84.75	6.14	6.11	4.01	4.13	2.2	2.4
			10:46	2.8	1.4	26.00		8.37		26.93		84.60		6.08		4.24		2.6	
	8/5/2024	Cloudy	12:16	2.6	1.3	26.40	26.45	8.28	8.29	25.00	25.45	83.90	82.35	6.14	6.10	3.59	3.52	7.1	7.3
			12:17	2.6	1.3	26.50		8.30		25.89		80.80		6.06		3.44		7.4	
	10/5/2024	Cloudy	13:11	2.7	1.4	25.60	25.65	8.41	8.42	29.12	29.12	82.60	82.10	6.13	6.11	2.94	3.09	5.2	5.3
			13:12	2.7	1.4	25.70		8.42		29.12		81.60		6.08		3.24		5.3	
	13/5/2024	Cloudy	15:48	2.8	1.4	25.10	25.15	8.38	8.38	27.85	27.77	84.80	84.35	6.50	6.48	3.60	3.81	1.6	1.5
			15:49	2.8	1.4	25.20		8.37		27.69		83.90		6.46		4.02		1.4	
	16/5/2024	Cloudy	18:19	2.5	1.4	25.70	25.65	8.80	8.81	29.05	29.15	88.30	88.65	6.34	6.37	4.12	4.00	4.0	4.2
			18:20	2.8	1.4	25.60		8.81		29.24		89.00		6.39		3.87		4.4	
	18/5/2024	Cloudy	9:01	2.5	1.3	26.00	26.05	8.58	8.60	27.81	27.74	88.10	87.50	6.17	6.13	4.56	4.70	4.4	4.8
			9:02	2.5	1.3	26.10		8.61		27.66		86.90		6.09		4.63		5.2	
	20/5/2024	Cloudy	10:22	2.5	1.3	25.40	25.35	8.43	8.44	28.13	28.24	83.40	83.10	6.19	6.17	3.97	4.11	1.3	1.4
			10:23	2.5	1.3	25.30		8.45		28.35		82.80		6.15		4.25		1.5	
	22/5/2024	Cloudy	11:26	2.6	1.3	25.90	25.85	8.37	8.37	29.19	29.28	88.10	88.55	6.33	6.36	4.40	4.20	2.5	2.4
			11:27	2.6	1.3	25.80		8.37		29.37		89.00		6.38		3.99		2.3	
	24/5/2024	Cloudy	12:16	2.8	1.4	26.50	26.45	8.34	8.34	28.87	28.72	86.50	85.55	6.13	6.11	4.98	4.93	3.2	3.4
			12:17	2.8	1.4	26.40		8.33		28.57		84.60		6.08		4.87		3.5	
	27/5/2024	Cloudy	13:43	2.9	1.5	26.90	26.95	8.39	8.40	27.37	27.28	81.00	81.50	6.04	6.06	4.12	4.35	1.8	1.7
			13:44	2.9	1.5	27.00		8.41		27.19		82.00		6.08		4.57		1.6	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	7:29	2.6	1.3	26.50	26.55	8.34	8.33	28.36	28.31	84.20	84.25	6.25	6.26	3.63	3.44	2.5	2.7
			7:30	2.6	1.3	26.60		8.32		28.25		84.30		6.26		3.24		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.



Lam Environmental Services Limited

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
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR6	2/5/2024	Cloudy	9:08	2.3	1.2	25.20	25.25	8.28	8.27	23.40	23.35	83.70	83.55	6.22	6.21	2.98	3.04	3.0	3.2
			9:09	2.3	1.2	25.30		8.25		23.29		83.40		6.20		3.09		3.3	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	16:48	2.3	1.2	26.50	26.50	8.42	8.43	29.17	29.37	82.00	83.30	6.02	6.05	5.04	5.08	2.2	2.1
			16:49	2.3	1.2	26.50		8.44		29.56		84.60		6.08		5.12		2.0	
	8/5/2024	Cloudy	18:02	3.2	1.6	25.80	25.80	8.26	8.26	22.63	22.61	82.20	82.35	6.12	6.14	4.87	4.43	4.9	5.3
			18:03	3.2	1.6	25.80		8.25		22.59		82.50		6.16		3.98		5.6	
	10/5/2024	Cloudy	7:20	2.3	1.2	25.60	25.50	8.42	8.42	27.45	27.30	83.20	82.60	6.19	6.16	4.12	4.19	3.7	3.5
			7:21	2.3	1.2	25.40		8.41		27.14		82.00		6.12		4.25		3.3	
	13/5/2024	Cloudy	8:54	2.6	1.3	25.30	25.35	8.29	8.30	27.24	27.13	86.20	86.80	6.65	6.68	5.74	5.59	2.0	2.1
			8:55	2.6	1.3	25.40		8.30		27.01		87.40		6.70		5.44		2.2	
	16/5/2024	Cloudy	7:37	2.4	1.2	25.80	25.80	8.67	8.68	29.01	28.94	81.00	81.80	6.04	6.07	4.12	4.19	3.8	4.0
			7:38	2.4	1.2	25.80		8.68		28.87		82.60		6.09		4.26		4.2	
	18/5/2024	Cloudy	14:54	2.6	1.3	26.70	26.75	8.56	8.57	29.17	29.09	86.70	86.45	6.22	6.21	5.02	5.15	3.6	3.6
			14:55	2.6	1.3	26.80		8.57		29.01		86.20		6.19		5.27		3.6	
	20/5/2024	Cloudy	16:41	2.3	1.2	25.70	25.75	8.53	8.53	29.12	29.04	82.90	83.30	6.19	6.17	3.73	3.65	4.1	3.9
			16:42	2.3	1.2	25.80		8.52		28.95		83.70		6.14		3.57		3.7	
	22/5/2024	Cloudy	18:04	2.3	1.2	26.40	26.35	8.36	8.36	30.93	30.87	98.80	98.60	6.97	6.96	5.12	5.28	4.6	4.5
			18:05	2.3	1.2	26.30		8.36		30.81		98.40		6.94		5.43		4.3	
	24/5/2024	Cloudy	17:58	2.5	1.3	26.80	26.75	8.35	8.35	29.10	29.15	84.80	84.35	6.08	6.06	5.12	5.28	3.2	3.3
			17:59	2.5	1.3	26.70		8.35		29.19		83.90		6.03		5.44		3.4	
	27/5/2024	Cloudy	7:32	2.5	1.3	26.80	26.80	8.36	8.37	27.42	27.26	84.60	85.10	6.08	6.10	5.40	5.51	1.8	1.7
			7:33	2.5	1.3	26.80		8.38		27.10		85.60		6.12		5.62		1.6	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	11:50	2.8	1.4	26.80	26.85	8.37	8.38	28.56	28.52	84.40	83.65	6.32	6.29	4.23	4.38	3.0	3.3
			11:51	2.8	1.4	26.90		8.38		28.47		82.90		6.25		4.53		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.



Lam Environmental Services Limited

Contract No. SD 15/2022
Outlying Island Sewerage Stage 2 – South Lantau Sewage Works –
Environmental Team Services (2023 – 2024)

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	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR9	2/5/2024	Cloudy	17:16	4.3	1.0	24.80	24.85	8.29	8.29	22.74	22.66	83.60	83.50	6.20	6.20	3.42	3.29	<1.0	1.0
			17:17	4.3	1.0	24.90		8.28		22.57		83.40		6.19	6.20	3.16		<1.0	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	11:00	4.3	1.0	25.70	25.75	8.38	8.38	27.80	27.73	84.60	84.70	6.19	6.20	3.17	3.03	3.4	3.3
			11:01	4.3	1.0	25.80		8.37		27.66		84.80		6.21		2.89		3.2	
	8/5/2024	Cloudy	12:32	4.1	1.0	25.80	25.75	8.27	8.26	23.35	23.38	82.80	82.20	6.17	6.15	2.41	2.22	8.1	8.0
			12:33	4.1	1.0	25.70		8.25		23.41		81.60		6.12		2.02		7.8	
	10/5/2024	Cloudy	12:57	4.1	1.0	25.70	25.75	8.45	8.46	28.41	28.33	82.00	82.10	6.14	6.15	3.24	3.33	5.0	4.9
			12:58	4.1	1.0	25.80		8.46		28.24		82.20		6.15		3.42		4.7	
	13/5/2024	Cloudy	15:30	4.2	1.0	25.60	25.50	8.28	8.33	27.91	27.79	86.14	85.87	6.61	6.60	4.56	4.44	1.7	1.7
			15:31	4.2	1.0	25.40		8.37		27.66		85.60		6.58		4.32		1.6	
	16/5/2024	Cloudy	18:04	3.9	1.0	25.00	25.05	8.74	8.75	28.97	29.03	84.70	83.40	6.19	6.16	3.12	3.21	5.4	5.7
			18:05	4.3	1.0	25.10		8.75		29.08		82.10		6.12		3.30		5.9	
	18/5/2024	Cloudy	9:18	3.9	1.0	26.00	26.05	8.58	8.59	28.83	28.91	93.30	92.70	6.34	6.31	4.32	4.17	5.3	4.4
			9:19	3.9	1.0	26.10		8.59		28.98		92.10		6.27		4.02		3.5	
	20/5/2024	Cloudy	10:38	4.0	1.0	25.50	25.55	8.46	8.45	28.87	28.92	85.00	84.90	6.18	6.18	4.57	4.48	1.3	1.4
			10:39	4.0	1.0	25.60		8.44		28.96		84.80		6.17		4.38		1.4	
	22/5/2024	Cloudy	11:42	4.2	1.0	25.90	25.90	8.40	8.40	29.95	29.89	95.90	96.30	6.86	6.88	3.87	4.00	3.4	3.6
			11:43	4.2	1.0	25.90		8.39		29.83		96.70		6.90		4.12		3.7	
	24/5/2024	Cloudy	12:33	4.3	1.0	26.40	26.45	8.33	8.33	28.47	28.42	82.10	82.80	6.12	6.16	3.56	3.57	3.5	3.6
			12:34	4.3	1.0	26.50		8.32		28.36		83.50		6.20		3.58		3.7	
	27/5/2024	Cloudy	13:27	4.4	1.0	26.90	26.95	8.41	8.41	27.19	27.16	84.70	84.30	6.12	6.09	4.42	4.26	1.3	1.4
			13:28	4.4	1.0	27.00		8.40		27.12		83.90		6.06		4.10		1.4	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	7:45	3.8	1.0	26.30	26.35	8.32	8.33	27.25	27.32	82.80	82.90	6.20	6.22	4.41	4.29	2.8	2.7
			7:46	3.8	1.0	26.40		8.33		27.39		83.00		6.23		4.17		2.5	

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



Lam Environmental Services Limited

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
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR9	2/5/2024	Cloudy	9:24	3.9	1.0	25.60	25.55	8.28	8.28	22.16	22.28	81.90	81.35	6.11	6.09	4.25	4.13	2.8	2.7
			9:25	3.9	1.0	25.50		8.27		22.40		80.80		6.06		4.01		2.5	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	16:32	3.8	1.0	26.00	26.05	8.41	8.42	30.10	29.84	81.20	82.15	6.17	6.21	3.67	3.58	4.5	4.7
			16:33	3.8	1.0	26.10		8.42		29.57		83.10		6.24		3.49		4.8	
	8/5/2024	Cloudy	17:45	3.7	1.0	25.60	25.50	8.26	8.25	23.01	23.16	81.60	81.70	6.08	6.10	4.73	4.66	8.1	7.9
			17:46	3.7	1.0	25.40		8.24		23.30		81.80		6.12		4.59		7.6	
	10/5/2024	Cloudy	7:36	3.6	1.0	25.30	25.25	8.41	8.42	27.59	27.65	84.60	84.10	6.25	6.23	4.25	4.14	3.4	3.6
			7:37	3.6	1.0	25.20		8.43		27.70		83.60		6.20		4.02		3.7	
	13/5/2024	Cloudy	9:11	4.0	1.0	25.80	25.70	8.35	8.36	26.41	26.34	86.10	85.65	6.65	6.64	4.73	4.65	3.0	2.9
			9:12	4.0	1.0	25.60		8.36		26.27		85.20		6.62		4.57		2.7	
	16/5/2024	Cloudy	7:53	3.8	1.0	25.60	25.65	8.67	8.68	28.69	28.62	83.70	84.05	6.15	6.17	3.87	3.78	6.1	6.0
			7:54	3.8	1.0	25.70		8.68		28.55		84.40		6.18		3.69		5.8	
	18/5/2024	Cloudy	14:38	4.1	1.0	26.70	26.60	8.60	8.59	28.79	28.89	78.70	77.65	6.44	6.35	4.36	4.24	3.6	3.8
			14:39	4.1	1.0	26.50		8.58		28.99		76.60		6.26		4.12		4.0	
	20/5/2024	Cloudy	16:27	3.6	1.0	25.60	25.55	8.48	8.48	30.80	30.77	83.60	83.30	6.20	6.19	4.12	4.02	5.4	5.2
			16:28	3.6	1.0	25.50		8.47		30.73		83.00		6.18		3.92		5.0	
	22/5/2024	Cloudy	17:48	3.7	1.0	26.20	26.15	8.40	8.41	30.37	30.29	90.70	91.90	6.42	6.50	4.25	4.33	3.0	2.9
			17:49	3.7	1.0	26.10		8.41		30.21		93.10		6.57		4.40		2.7	
	24/5/2024	Cloudy	17:42	3.8	1.0	26.70	26.65	8.36	8.36	29.45	29.41	81.20	81.30	6.17	6.18	4.42	4.25	3.9	3.8
			17:43	3.8	1.0	26.60		8.35		29.37		81.40		6.18		4.08		3.6	
	27/5/2024	Cloudy	7:47	4.0	1.0	27.00	26.95	8.40	8.40	27.12	27.07	84.90	84.05	6.14	6.13	4.67	4.63	2.4	2.5
			7:48	4.0	1.0	26.90		8.39		27.02		83.20		6.11		4.59		2.6	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	11:34	4.2	1.0	26.50	26.45	8.36	8.36	28.11	28.05	84.40	83.70	6.31	6.29	4.24	4.17	3.3	3.6
			11:35	4.2	1.0	26.40		8.35		27.99		83.00		6.27		4.09		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.



Lam Environmental Services Limited

Contract No. SD 15/2022
Outlying Island Sewerage Stage 2 – South Lantau Sewage Works –
Environmental Team Services (2023 – 2024)

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
						25.10		8.26		22.99		84.20		6.25		2.09		2.6	
SR9	2/5/2024	Cloudy	17:19	4.3	3.3	25.10	25.00	8.26	8.27	22.99	23.07	84.20	83.85	6.25	6.22	2.09	2.23	2.6	2.8
			17:20	4.3	3.3	24.90		8.28		23.14		83.50		6.18		2.37		3.0	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	11:03	4.3	3.3	25.70	25.65	8.37	8.38	27.97	28.01	80.30	81.60	6.12	6.16	3.09	3.20	3.6	3.6
			11:04	4.3	3.3	25.60		8.38		28.05		82.90		6.19		3.30		3.6	
	8/5/2024	Cloudy	12:35	4.1	3.1	25.70	25.65	8.26	8.27	23.79	23.71	81.90	82.40	6.11	6.15	3.01	3.19	10.0	9.4
			12:36	4.1	3.1	25.60		8.27		23.62		82.90		6.18		3.36		8.8	
	10/5/2024	Cloudy	13:00	4.1	3.1	25.80	25.75	8.46	8.47	29.68	29.73	84.60	84.80	6.19	6.20	3.84	3.93	5.3	5.5
			13:01	4.1	3.1	25.70		8.47		29.77		85.00		6.21		4.02		5.6	
	13/5/2024	Cloudy	15:33	4.2	3.2	25.50	25.45	8.36	8.32	27.95	28.02	85.50	85.40	6.57	6.55	4.87	4.98	2.6	2.9
			15:34	4.2	3.3	25.40		8.27		28.09		85.30		6.53		5.09		3.2	
	16/5/2024	Cloudy	18:07	3.9	3.3	25.20	25.10	8.75	8.76	28.99	29.02	84.80	84.70	6.21	6.20	3.56	3.52	4.4	4.3
			18:08	4.3	3.3	25.00		8.76		29.05		84.60		6.19		3.47		4.1	
	18/5/2024	Cloudy	9:20	3.9	2.9	26.00	25.95	8.51	8.50	29.13	29.06	94.30	93.70	6.30	6.26	4.37	4.63	3.6	4.5
			9:21	3.9	2.9	25.90		8.49		28.99		93.10		6.22		4.89		5.3	
	20/5/2024	Cloudy	10:41	4.0	3.0	25.60	25.65	8.41	8.41	29.80	29.70	83.40	83.50	6.19	6.20	4.58	4.60	1.6	1.7
			10:42	4.0	3.0	25.70		8.41		29.59		83.60		6.20		4.64		1.8	
	22/5/2024	Cloudy	11:45	4.2	3.2	25.80	25.85	8.39	8.39	30.04	30.14	90.30	89.75	6.62	6.61	4.47	4.25	4.4	4.2
			11:46	4.2	3.2	25.90		8.38		30.24		89.20		6.59		4.02		4.0	
	24/5/2024	Cloudy	12:36	4.3	3.3	26.50	26.55	8.33	8.33	28.41	28.57	90.10	89.10	6.48	6.45	3.78	3.81	2.9	2.8
			12:37	4.3	3.3	26.60		8.32		28.73		88.10		6.41		3.84		2.6	
	27/5/2024	Cloudy	13:30	4.4	3.4	26.90	26.95	8.39	8.40	27.09	27.17	84.00	84.30	6.10	6.12	4.37	4.52	2.6	2.5
			13:31	4.4	3.4	27.00		8.40		27.25		84.60		6.14		4.67		2.4	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	7:47	3.8	2.8	26.50	26.45	8.32	8.32	28.12	28.10	82.00	82.30	6.18	6.20	3.86	3.94	3.7	3.5
			7:48	3.8	2.8	26.40		8.31		28.07		82.60		6.21		4.01		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.



Lam Environmental Services Limited

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
						25.10		8.28		22.80		82.50		6.16		3.14		1.5	
SR9	2/5/2024	Cloudy	9:26	3.9	2.9	25.10	25.20	8.28	8.28	22.80	22.87	82.50	82.05	6.16	6.14	3.14	3.42	1.5	1.4
			9:27	3.9	2.9	25.30		8.28		22.94		81.60		6.12		3.70		1.2	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	16:34	3.8	2.8	26.00	26.00	8.40	8.40	29.31	29.52	80.30	80.75	6.09	6.13	3.89	3.97	4.0	4.2
			16:35	3.8	2.8	26.00		8.40		29.73		81.20		6.17		4.05		4.4	
	8/5/2024	Cloudy	17:47	3.7	2.7	25.50	25.45	8.25	8.25	23.41	23.26	82.80	82.30	6.17	6.16	3.73	3.92	10.5	10.1
			17:48	3.7	2.7	25.40		8.25		23.11		81.80		6.14		4.10		9.6	
	10/5/2024	Cloudy	7:38	3.6	2.6	25.10	25.20	8.42	8.42	28.87	28.78	83.10	83.20	6.19	6.17	3.62	3.61	4.1	4.3
			7:39	3.6	2.6	25.30		8.41		28.68		83.30		6.14		3.60		4.5	
	13/5/2024	Cloudy	9:14	4.0	3.0	25.70	25.70	8.34	8.34	27.40	27.49	88.10	87.10	6.79	6.77	4.90	4.80	3.2	3.4
			9:15	4.0	3.0	25.70		8.34		27.58		86.10		6.74		4.69		3.5	
	16/5/2024	Cloudy	7:55	3.8	2.8	25.60	25.60	8.69	8.70	28.60	28.67	80.30	81.60	6.02	6.07	3.99	4.06	5.0	4.9
			7:56	3.8	2.8	25.60		8.70		28.73		82.90		6.11		4.12		4.7	
	18/5/2024	Cloudy	14:41	4.1	3.1	26.60	26.65	8.50	8.51	29.87	29.44	74.80	75.85	6.31	6.35	4.25	4.37	3.5	5.7
			14:42	4.1	3.1	26.70		8.52		29.01		76.90		6.39		4.49		7.8	
	20/5/2024	Cloudy	16:29	3.6	2.6	25.60	25.65	8.47	8.47	31.12	31.08	82.20	82.70	6.12	6.15	3.68	3.81	4.0	4.0
			16:30	3.6	2.6	25.70		8.46		31.03		83.20		6.18		3.94		4.0	
	22/5/2024	Cloudy	17:50	3.7	2.7	26.10	26.10	8.41	8.41	30.38	30.45	92.50	93.55	6.62	6.67	4.02	4.00	4.5	4.3
			17:51	3.7	2.7	26.10		8.41		30.52		94.60		6.72		3.97		4.0	
	24/5/2024	Cloudy	17:44	3.8	2.8	26.80	26.75	8.34	8.35	29.41	29.54	85.30	84.95	6.19	6.18	4.19	4.20	3.4	3.3
			17:45	3.8	2.8	26.70		8.35		29.67		84.60		6.16		4.20		3.1	
	27/5/2024	Cloudy	7:50	4.0	3.0	26.80	26.80	8.40	8.40	27.45	27.42	80.20	79.85	6.01	5.99	4.33	4.42	1.9	1.9
			7:51	4.0	3.0	26.80		8.39		27.38		79.50		5.97		4.51		1.8	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	11:37	4.2	3.2	26.50	26.45	8.35	8.35	28.41	28.35	83.20	83.10	6.28	6.28	3.87	3.72	3.7	4.0
			11:38	4.2	3.2	26.40		8.34		28.28		83.00		6.28		3.56		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.



Lam Environmental Services Limited

Contract No. SD 15/2022
Outlying Island Sewerage Stage 2 – South Lantau Sewage Works –
Environmental Team Services (2023 – 2024)

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	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR10	2/5/2024	Cloudy	17:05	2.8	1.4	24.70	24.75	8.29	8.29	23.11	22.99	81.60	82.05	6.08	6.10	4.58	4.74	1.4	1.3
			17:06	2.8	1.4	24.80		8.28		22.87		82.50		6.12		4.89		1.2	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	11:08	2.7	1.4	25.80	25.75	8.35	8.35	28.47	28.54	84.80	84.60	6.21	6.20	3.41	3.27	3.5	3.6
			11:09	2.7	1.4	25.70		8.34		28.60		84.40		6.18		3.12		3.7	
	8/5/2024	Cloudy	12:42	2.7	1.4	25.80	25.75	8.27	8.28	24.05	24.00	82.50	82.85	6.16	6.19	3.84	3.73	9.1	9.6
			12:43	2.7	1.4	25.70		8.28		23.95		83.20		6.21		3.61		10.0	
	10/5/2024	Cloudy	12:47	2.7	1.4	26.00	25.95	8.49	8.49	27.74	27.86	84.60	84.75	6.19	6.20	4.25	4.15	2.8	3.0
			12:48	2.7	1.4	25.90		8.48		27.98		84.90		6.20		4.05		3.1	
	13/5/2024	Cloudy	15:20	2.7	1.4	25.60	25.65	8.34	8.35	27.76	27.79	83.70	83.30	6.44	6.41	4.73	4.59	4.2	4.3
			15:21	2.7	1.5	25.70		8.36		27.82		82.90		6.38		4.45		4.4	
	16/5/2024	Cloudy	17:56	2.6	1.5	25.20	25.10	8.76	8.76	28.98	28.81	83.70	84.25	6.15	6.18	3.16	3.09	8.4	8.3
			17:57	2.9	1.5	25.00		8.76		28.64		84.80		6.21		3.02		8.1	
	18/5/2024	Cloudy	9:27	2.6	1.3	26.20	26.10	8.57	8.57	28.73	28.66	89.70	90.35	6.18	6.19	5.97	5.92	5.0	5.4
			9:28	2.6	1.3	26.00		8.56		28.58		91.00		6.20		5.87		5.7	
	20/5/2024	Cloudy	10:47	2.5	1.3	25.80	25.70	8.42	8.43	29.36	29.33	82.70	82.90	6.16	6.17	5.42	5.27	2.5	2.5
			10:48	2.5	1.3	25.60		8.43		29.29		83.10		6.18		5.12		2.4	
	22/5/2024	Cloudy	11:51	2.7	1.4	25.70	25.75	8.40	8.41	29.99	29.97	91.50	91.35	6.53	6.53	4.56	4.26	3.5	3.3
			11:52	2.7	1.4	25.80		8.41		29.94		91.20		6.52		3.96		3.1	
	24/5/2024	Cloudy	12:42	2.8	1.4	26.40	26.40	8.31	8.32	28.84	28.76	86.50	85.50	6.20	6.17	4.25	4.13	3.0	2.8
			12:43	2.8	1.4	26.40		8.32		28.68		84.50		6.13		4.01		2.6	
	27/5/2024	Cloudy	13:18	2.8	1.4	27.10	27.05	8.39	8.39	27.98	27.91	84.80	84.90	6.08	6.10	4.39	4.30	2.4	2.4
			13:19	2.8	1.4	27.00		8.38		27.83		85.00		6.12		4.20		2.3	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	7:53	2.4	1.2	26.40	26.45	8.33	8.33	27.98	27.91	82.00	82.05	6.17	6.18	5.41	5.27	3.1	3.3
			7:54	2.4	1.2	26.50		8.32		27.84		82.10		6.19		5.13		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.



Lam Environmental Services Limited

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	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR10	2/5/2024	Cloudy	9:34	2.5	1.3	25.00	25.10	8.29	8.29	22.11	22.10	81.10	81.95	6.18	6.20	4.11	4.29	1.6	1.5
			9:35	2.5	1.3	25.20		8.28		22.08		82.80		6.21		4.47		1.4	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	16:23	2.5	1.3	26.20	26.25	8.40	8.41	29.94	29.90	84.60	85.25	6.16	6.17	4.12	4.19	4.6	4.8
			16:24	2.5	1.3	26.30		8.42		29.85		85.90		6.18		4.25		4.9	
	8/5/2024	Cloudy	17:36	2.2	1.1	25.40	25.35	8.26	8.26	23.19	23.09	82.80	82.55	6.17	6.15	3.91	4.00	10.5	10.2
			17:37	2.2	1.1	25.30		8.26		22.98		82.30		6.13		4.09		9.9	
	10/5/2024	Cloudy	7:45	2.3	1.2	25.20	25.15	8.40	8.41	28.12	28.10	85.00	84.90	6.31	6.30	4.24	4.20	4.2	4.1
			7:46	2.3	1.2	25.10		8.42		28.08		84.80		6.29		4.15		3.9	
	13/5/2024	Cloudy	9:20	2.5	1.3	25.80	25.70	8.35	8.35	27.81	27.73	83.50	83.05	6.40	6.37	5.24	5.13	3.6	3.7
			9:21	2.5	1.3	25.60		8.34		27.64		82.60		6.33		5.01		3.7	
	16/5/2024	Cloudy	8:01	2.5	1.3	26.20	26.10	8.69	8.70	28.52	28.58	82.60	81.90	6.16	6.14	3.74	3.67	6.6	6.8
			8:02	2.5	1.3	26.00		8.70		28.64		81.20		6.11		3.59		7.0	
	18/5/2024	Cloudy	14:28	2.5	1.3	26.50	26.45	8.56	8.57	28.96	28.92	78.70	77.50	6.29	6.25	5.57	5.41	6.9	7.6
			14:29	2.5	1.3	26.40		8.57		28.87		76.30		6.21		5.25		8.3	
	20/5/2024	Cloudy	16:18	2.3	1.2	25.50	25.45	8.46	8.46	30.34	30.32	81.90	81.75	6.11	6.10	3.98	4.12	3.9	3.8
			16:19	2.3	1.2	25.40		8.46		30.29		81.60		6.08		4.25		3.6	
	22/5/2024	Cloudy	17:40	2.5	1.3	26.00	26.00	8.43	8.43	30.17	30.11	98.60	96.90	6.98	6.85	4.19	4.28	2.6	2.5
			17:41	2.5	1.3	26.00		8.42		30.04		95.20		6.72		4.37		2.4	
	24/5/2024	Cloudy	17:32	2.4	1.2	26.70	26.70	8.36	8.36	29.10	29.18	81.20	81.75	6.17	6.18	5.25	5.12	2.8	3.0
			17:33	2.4	1.2	26.70		8.35		29.25		82.30		6.19		4.99		3.1	
	27/5/2024	Cloudy	7:56	2.6	1.3	26.90	26.85	8.40	8.39	27.45	27.39	80.60	80.10	6.02	6.01	4.98	5.05	2.1	2.3
			7:57	2.6	1.3	26.80		8.37		27.33		79.60		5.99		5.12		2.4	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	11:23	2.6	1.3	26.50	26.55	8.37	8.36	28.13	28.07	82.80	82.95	6.19	6.21	5.13	5.05	3.0	3.0
			11:24	2.6	1.3	26.60		8.35		28.01		83.10		6.22		4.97		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 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	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR12	2/5/2024	Cloudy	16:58	2.7	1.4	24.70	24.70	8.30	8.30	23.37	23.19	83.40	83.65	6.18	6.21	4.50	4.32	1.3	1.3
			16:59	2.7	1.4	24.70		8.29	8.30	23.01		83.90		6.24		4.14		1.3	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	10:14	2.8	1.4	25.60	25.65	8.34	8.34	28.93	28.84	83.70	84.15	6.15	6.18	3.97	4.06	3.8	4.0
			10:15	2.8	1.4	25.70		8.34		28.74		84.60		6.20		4.15		4.1	
	8/5/2024	Cloudy	12:48	2.6	1.3	25.50	25.45	8.26	8.27	23.88	23.89	80.80	80.30	6.06	6.02	3.95	4.05	10.0	10.0
			12:49	2.6	1.3	25.40		8.27		23.90		79.80		5.98		4.15		9.9	
	10/5/2024	Cloudy	12:42	2.6	1.3	25.70	25.90	8.45	8.46	27.45	27.41	82.80	83.80	6.14	6.18	3.12	3.27	4.4	4.7
			12:43	2.6	1.3	25.90		8.46		27.36		84.80		6.21		3.42		4.9	
	13/5/2024	Cloudy	15:12	2.7	1.4	25.50	25.50	8.33	8.34	27.86	27.90	84.30	83.95	6.51	6.50	4.50	4.66	4.5	4.7
			15:13	2.7	1.5	25.50		8.34		27.94		83.60		6.48		4.81		4.8	
	16/5/2024	Cloudy	17:49	2.5	1.5	25.30	25.25	8.76	8.76	28.79	28.82	88.70	88.85	6.37	6.38	3.12	3.27	8.6	8.4
			17:50	2.9	1.5	25.20		8.76		28.84		89.00		6.39		3.41		8.2	
	18/5/2024	Cloudy	9:32	2.5	1.3	26.20	26.25	8.58	8.59	28.74	28.79	91.40	91.70	6.13	6.15	6.01	6.07	6.2	6.2
			9:33	2.5	1.3	26.30		8.60		28.84		92.00		6.16		6.12		6.1	
	20/5/2024	Cloudy	10:53	2.6	1.3	25.80	25.75	8.44	8.44	29.12	29.22	83.60	84.30	6.20	6.23	4.97	4.89	2.3	2.2
			10:54	2.6	1.3	25.70		8.43		29.31		85.00		6.26		4.80		2.1	
	22/5/2024	Cloudy	11:56	2.8	1.4	25.90	25.85	8.40	8.41	29.87	29.86	91.30	91.75	6.50	6.53	4.42	4.34	2.4	2.3
			11:57	2.8	1.4	25.80		8.42		29.85		92.20		6.55		4.25		2.1	
	24/5/2024	Cloudy	12:48	2.9	1.5	26.50	26.45	8.34	8.34	28.91	28.96	88.30	87.50	6.64	6.61	3.56	3.65	2.9	2.8
			12:49	2.9	1.5	26.40		8.33		29.01		86.70		6.58		3.73		2.6	
	27/5/2024	Cloudy	13:13	2.8	1.4	26.90	26.95	8.40	8.39	27.99	27.81	87.30	86.25	6.22	6.20	4.17	4.37	1.6	1.7
			13:14	2.8	1.4	27.00		8.38		27.63		85.20		6.17		4.57		1.7	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	7:59	2.5	1.3	26.50	26.55	8.33	8.33	27.51	27.47	82.10	82.05	6.19	6.19	5.49	5.58	3.8	3.6
			8:00	2.5	1.3	26.60		8.32		27.43		82.00		6.18		5.67		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 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	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR12	2/5/2024	Cloudy	9:39	2.4	1.2	25.10	25.10	8.28	8.29	22.09	22.05	83.60	83.95	6.26	6.27	5.29	5.15	1.5	1.4
			9:40	2.4	1.2	25.10		8.29		22.01		84.30		6.28		5.01		1.3	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	16:17	2.4	1.2	26.20	26.25	8.44	8.43	30.01	30.09	81.00	81.70	6.04	6.10	3.87	3.50	5.2	5.4
			16:18	2.4	1.2	26.30		8.42		30.17		82.40		6.15		3.12		5.5	
	8/5/2024	Cloudy	17:31	2.3	1.2	25.20	25.30	8.27	8.27	23.01	23.07	83.90	83.35	6.24	6.21	3.64	3.53	12.0	11.9
			17:32	2.3	1.2	25.40		8.26		23.12		82.80		6.17		3.42		11.8	
	10/5/2024	Cloudy	7:51	2.4	1.2	25.30	25.25	8.41	8.41	28.40	28.51	84.90	84.85	6.22	6.22	4.98	5.04	3.4	3.6
			7:52	2.4	1.2	25.20		8.41		28.62		84.80		6.21		5.09		3.8	
	13/5/2024	Cloudy	9:27	2.4	1.2	25.70	25.70	8.33	8.34	27.12	27.11	82.00	82.10	6.35	6.32	4.87	4.94	4.3	4.5
			9:28	2.4	1.2	25.70		8.35		27.09		82.20		6.29		5.00		4.6	
	16/5/2024	Cloudy	8:08	2.6	1.3	25.90	25.95	8.54	8.56	28.53	28.55	84.60	85.45	6.21	6.25	3.31	3.41	9.6	9.9
			8:09	2.6	1.3	26.00		8.57		28.57		86.30		6.29		3.50		10.1	
	18/5/2024	Cloudy	14:12	2.5	1.3	26.50	26.50	8.60	8.60	29.11	29.18	81.80	80.90	6.45	6.39	5.49	5.56	3.4	4.0
			14:13	2.5	1.3	26.50		8.59		29.25		80.00		6.33		5.63		4.5	
	20/5/2024	Cloudy	16:13	2.3	1.2	25.70	25.65	8.46	8.46	31.12	31.22	83.50	83.45	6.18	6.19	4.57	4.47	3.6	3.4
			16:14	2.3	1.2	25.60		8.45		31.31		83.40		6.19		4.37		3.2	
	22/5/2024	Cloudy	17:36	2.4	1.2	26.10	26.15	8.42	8.42	30.19	30.11	91.80	89.90	6.44	6.36	5.01	4.94	3.7	3.9
			17:37	2.4	1.2	26.20		8.42		30.03		88.00		6.28		4.87		4.1	
	24/5/2024	Cloudy	17:26	2.6	1.3	26.50	26.60	8.36	8.36	29.37	29.31	81.30	80.80	6.15	6.12	4.28	4.41	3.8	3.7
			17:27	2.6	1.3	26.70		8.35		29.25		80.30		6.08		4.53		3.6	
	27/5/2024	Cloudy	8:02	2.5	1.3	26.90	26.85	8.37	8.38	27.67	27.63	84.60	84.75	6.11	6.13	5.27	5.14	3.8	3.6
			8:03	2.5	1.3	26.80		8.38		27.58		84.90		6.14		5.01		3.4	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	11:18	2.7	1.4	26.70	26.70	8.36	8.37	27.89	27.96	83.70	83.65	6.24	6.24	4.24	4.34	2.5	2.4
			11:19	2.7	1.4	26.70		8.38		28.02		83.60		6.23		4.44		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 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	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR15	2/5/2024	Cloudy	18:00	2.7	1.4	24.80	24.85	8.28	8.29	21.58	21.80	82.40	82.45	6.12	6.12	3.90	3.96	<1.0	1.0
			18:01	2.7	1.4	24.90		8.29		22.01		82.50		6.12	6.12	4.02		<1.0	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	10:18	2.8	1.4	25.50	25.45	8.25	8.25	28.31	28.41	80.70	81.60	6.12	6.16	2.95	2.85	2.5	2.6
			10:19	2.8	1.4	25.40		8.24		28.51		82.50		6.20		2.74		2.7	
	8/5/2024	Cloudy	11:51	2.7	1.4	26.10	26.15	8.25	8.25	25.05	25.16	82.30	81.70	6.13	6.11	2.64	2.58	6.1	5.8
			11:52	2.7	1.4	26.20		8.24		25.27		81.10		6.09		2.52		5.5	
	10/5/2024	Cloudy	13:39	2.8	1.4	25.70	25.65	8.43	8.43	28.48	28.54	83.40	83.55	6.20	6.24	2.98	3.12	4.8	5.0
			13:40	2.8	1.4	25.60		8.43		28.60		83.70		6.27		3.25		5.2	
	13/5/2024	Cloudy	16:14	2.7	1.4	25.30	25.25	8.36	8.36	27.40	27.50	83.40	84.00	6.42	6.45	4.98	4.94	2.4	2.6
			16:15	2.7	1.4	25.20		8.35		27.59		84.60		6.48		4.90		2.8	
	16/5/2024	Cloudy	18:46	2.9	1.5	25.30	25.25	8.79	8.80	28.81	28.88	89.30	88.90	6.20	6.17	3.12	3.01	3.9	4.1
			18:47	2.9	1.5	25.20		8.81		28.94		88.50		6.13		2.89		4.3	
	18/5/2024	Cloudy	8:34	2.5	1.3	26.20	26.15	8.61	8.62	28.57	28.48	80.10	79.30	6.06	6.01	5.12	5.24	3.8	3.4
			8:35	2.5	1.3	26.10		8.62		28.38		78.50		5.96		5.36		2.9	
	20/5/2024	Cloudy	9:54	2.6	1.3	25.40	25.45	8.46	8.46	28.41	28.48	82.50	82.90	6.12	6.16	5.23	5.10	1.3	1.5
			9:55	2.6	1.3	25.50		8.45		28.55		83.30		6.19		4.97		1.6	
	22/5/2024	Cloudy	10:59	2.8	1.4	26.00	26.00	8.39	8.39	29.75	29.65	94.60	93.90	6.60	6.59	3.42	3.30	2.2	2.5
			11:00	2.8	1.4	26.00		8.38		29.55		93.20		6.58		3.18		2.8	
	24/5/2024	Cloudy	11:50	2.9	1.5	26.60	26.55	8.32	8.32	28.97	28.94	82.10	82.00	6.19	6.17	5.25	5.36	3.0	3.3
			11:51	2.9	1.5	26.50		8.32		28.91		81.90		6.14		5.47		3.5	
	27/5/2024	Cloudy	14:11	2.8	1.4	26.90	26.95	8.40	8.39	26.31	26.32	89.30	89.00	6.12	6.11	3.03	3.21	1.7	1.8
			14:12	2.8	1.4	27.00		8.38		26.33		88.70		6.10		3.39		1.8	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	7:01	2.4	1.2	26.30	26.25	8.29	8.29	27.84	27.72	82.00	81.95	6.18	6.18	4.25	4.35	3.4	3.4
			7:02	2.4	1.2	26.20		8.29		27.60		81.90		6.17		4.44		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 SR15 (Middle) - Flood Tide**

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR15	2/5/2024	Cloudy	8:41	2.3	1.2	24.80	24.85	8.26	8.26	23.47	23.27	81.60	81.35	6.12	6.11	4.42	4.34	2.5	2.4
			8:42	2.3	1.2	24.90		8.25		23.06		81.10		6.09		4.25		2.2	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	17:13	2.5	1.3	26.40	26.35	8.40	8.39	28.49	28.59	84.70	84.30	6.20	6.16	4.37	4.31	3.1	2.9
			17:14	2.5	1.3	26.30		8.38		28.68		83.90		6.12		4.25		2.7	
	8/5/2024	Cloudy	18:29	2.3	1.2	25.70	25.65	8.23	8.24	23.01	23.09	82.20	82.75	6.12	6.16	3.84	3.75	6.8	6.3
			18:30	2.3	1.2	25.60		8.25		23.17		83.30		6.19		3.65		5.8	
	10/5/2024	Cloudy	6:53	2.2	1.1	25.20	25.25	8.37	8.37	26.70	26.59	81.10	80.60	6.13	6.10	4.16	4.29	2.6	2.8
			6:54	2.2	1.1	25.30		8.37		26.47		80.10		6.07		4.41		3.0	
	13/5/2024	Cloudy	8:27	2.5	1.3	25.80	25.75	8.32	8.33	26.80	26.74	84.10	83.55	6.53	6.51	5.37	5.29	2.4	2.3
			8:28	2.5	1.3	25.70		8.33		26.67		83.00		6.48		5.21		2.2	
	16/5/2024	Cloudy	7:07	2.5	1.3	25.50	25.55	8.69	8.70	28.39	28.46	80.30	80.50	6.05	6.06	3.90	4.01	3.8	3.6
			7:08	2.5	1.3	25.60		8.70		28.53		80.70		6.07		4.12		3.4	
	18/5/2024	Cloudy	15:18	2.4	1.2	26.40	26.35	8.56	8.57	28.99	29.04	76.40	77.15	6.36	6.40	4.57	4.46	3.2	3.6
			15:19	2.4	1.2	26.30		8.58		29.06		77.90		6.43		4.35		3.9	
	20/5/2024	Cloudy	17:07	2.2	1.1	25.20	25.25	8.54	8.54	28.67	28.63	81.20	81.90	6.17	6.18	5.57	5.35	2.4	2.6
			17:08	2.2	1.1	25.30		8.53		28.58		82.60		6.19		5.13		2.7	
	22/5/2024	Cloudy	18:32	2.5	1.3	26.20	26.25	8.34	8.35	30.02	30.13	97.20	97.45	6.94	6.95	4.87	4.95	3.5	3.7
			18:33	2.5	1.3	26.30		8.35		30.24		97.70		6.96		5.02		3.9	
	24/5/2024	Cloudy	18:25	2.4	1.2	26.60	26.65	8.31	8.32	29.23	29.40	84.70	84.85	6.06	6.09	5.37	5.19	5.5	5.5
			18:26	2.4	1.2	26.70		8.33		29.57		85.00		6.12		5.01		5.4	
	27/5/2024	Cloudy	7:04	2.4	1.2	26.70	26.65	8.37	8.37	26.77	26.86	87.80	87.15	6.19	6.16	5.47	5.37	2.9	2.8
			7:05	2.4	1.2	26.60		8.36		26.94		86.50		6.13		5.27		2.6	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	12:18	2.7	1.4	26.50	26.55	8.35	8.36	27.71	27.81	84.10	83.75	6.33	6.30	6.02	6.14	3.1	3.0
			12:19	2.7	1.4	26.60		8.36		27.91		83.40		6.26		6.25		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.



Lam Environmental Services Limited

Contract No. SD 15/2022
Outlying Island Sewerage Stage 2 – South Lantau Sewage Works –
Environmental Team Services (2023 – 2024)

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	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CE	2/5/2024	Cloudy	16:45	8.7	1.0	24.90	24.85	8.28	8.29	22.84	22.88	83.10	83.60	6.20	6.22	2.49	2.60	<1.0	1.0
			16:46	8.7	1.0	24.80		8.29		22.81		84.10		6.24		2.70		<1.0	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	10:27	8.7	1.0	25.90	25.85	8.42	8.43	27.10	27.06	86.70	85.65	6.31	6.35	0.67	0.63	2.9	2.9
			10:28	8.7	1.0	25.80		8.43		27.02		84.60		6.38		0.58		2.8	
	8/5/2024	Cloudy	13:00	8.5	1.0	25.90	25.90	8.27	8.28	24.50	24.55	84.30	83.95	6.28	6.27	1.73	1.79	11.3	11.6
			13:01	8.5	1.0	25.90		8.29		24.60		83.60		6.26		1.85		11.8	
	10/5/2024	Cloudy	12:30	8.7	1.0	26.00	25.95	8.47	8.48	27.91	27.95	84.40	83.60	6.28	6.23	2.56	2.62	3.3	3.5
			12:31	8.7	1.0	25.90		8.48		27.99		82.80		6.17		2.68		3.7	
	13/5/2024	Cloudy	15:00	8.7	1.0	25.60	25.55	8.37	8.36	27.25	27.12	88.40	88.25	6.87	6.86	1.72	1.81	2.2	2.4
			15:01	8.7	1.0	25.50		8.35		26.99		88.10		6.85		1.89		2.6	
	16/5/2024	Cloudy	17:35	8.8	1.0	25.60	25.70	8.73	8.73	28.93	28.83	84.70	85.50	6.24	6.28	0.57	0.66	4.7	4.9
			17:36	8.8	1.0	25.80		8.72		28.73		86.30		6.31		0.75		5.0	
	18/5/2024	Cloudy	9:43	8.4	1.0	26.40	26.45	8.68	8.69	28.53	28.43	93.60	93.80	6.25	6.27	1.09	1.14	4.2	4.2
			9:44	8.4	1.0	26.50		8.69		28.33		94.00		6.28		1.18		4.2	
	20/5/2024	Cloudy	11:04	8.5	1.0	24.90	24.85	8.41	8.46	28.87	28.81	82.80	82.95	6.18	6.19	2.71	2.79	1.2	1.2
			11:05	8.5	1.0	24.80		8.50		28.75		83.10		6.20		2.86		1.1	
	22/5/2024	Cloudy	12:08	8.6	1.0	26.00	25.95	8.45	8.45	29.70	29.64	98.90	97.45	6.94	6.87	2.99	2.98	2.6	2.5
			12:09	8.6	1.0	25.90		8.45		29.58		96.00		6.80		2.97		2.4	
	24/5/2024	Cloudy	13:00	8.8	1.0	26.40	26.35	8.35	8.35	28.73	28.71	91.30	90.40	6.69	6.65	1.43	1.34	3.7	3.6
			13:01	8.8	1.0	26.30		8.34		28.68		89.50		6.61		1.25		3.5	
	27/5/2024	Cloudy	13:00	8.7	1.0	26.50	26.55	8.39	8.39	27.34	27.19	84.90	85.60	6.20	6.24	3.10	3.15	1.9	1.9
			13:01	8.7	1.0	26.60		8.38		27.04		86.30		6.28		3.19		1.8	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	8:11	8.4	1.0	26.40	26.45	8.34	8.35	27.50	27.57	83.20	83.10	6.25	6.25	4.02	4.13	3.2	3.4
			8:12	8.4	1.0	26.50		8.35		27.64		83.00		6.24		4.24		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 (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	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CE	2/5/2024	Cloudy	9:51	8.4	1.0	25.20	25.10	8.28	8.28	22.67	22.54	84.20	84.05	6.28	6.27	2.92	2.97	1.2	1.2
			9:52	8.4	1.0	25.00		8.28		22.40		83.90		6.26		3.02		1.1	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	16:03	8.3	1.0	25.90	25.95	8.46	8.46	28.37	28.27	86.70	86.50	6.22	6.21	1.20	1.23	3.9	4.1
			16:04	8.3	1.0	26.00		8.45		28.16		86.30		6.19		1.26		4.3	
	8/5/2024	Cloudy	17:20	8.1	1.0	25.80	25.75	8.26	8.27	25.55	25.58	83.40	83.50	6.20	6.23	1.37	1.41	10.1	10.7
			17:21	8.1	1.0	25.70		8.28		25.60		83.60		6.26		1.44		11.2	
	10/5/2024	Cloudy	8:04	8.2	1.0	24.90	24.85	8.46	8.46	27.65	27.69	82.80	83.10	6.17	6.20	3.47	3.57	4.4	4.2
			8:05	8.2	1.0	24.80		8.46		27.72		83.40		6.22		3.67		4.0	
	13/5/2024	Cloudy	9:40	8.5	1.0	25.90	25.85	8.34	8.35	26.81	26.88	90.10	90.15	6.91	6.93	1.60	1.70	2.5	2.6
			9:41	8.5	1.0	25.80		8.35		26.94		90.20		6.94		1.79		2.7	
	16/5/2024	Cloudy	8:21	8.4	1.0	25.40	25.35	8.73	8.74	28.74	28.65	89.50	88.75	6.39	6.36	0.37	0.48	4.9	4.7
			8:22	8.4	1.0	25.30		8.74		28.55		88.00		6.33		0.59		4.5	
	18/5/2024	Cloudy	14:10	8.5	1.0	26.60	26.55	8.67	8.68	28.37	28.24	88.60	88.05	6.85	6.78	1.02	1.11	3.9	5.8
			14:11	8.5	1.0	26.50		8.68		28.11		87.50		6.71		1.20		7.6	
	20/5/2024	Cloudy	16:00	8.2	1.0	25.00	24.95	8.51	8.51	29.12	29.06	83.40	83.25	6.21	6.21	1.90	1.96	<1.0	1.0
			16:01	8.2	1.0	24.90		8.50		28.99		83.10		6.20		2.01		<1.0	
	22/5/2024	Cloudy	17:25	8.2	1.0	26.20	26.15	8.46	8.46	29.98	29.96	96.00	95.60	6.81	6.78	2.51	2.69	2.2	2.3
			17:26	8.2	1.0	26.10		8.46		29.94		95.20		6.75		2.86		2.3	
	24/5/2024	Cloudy	17:15	8.3	1.0	26.80	26.75	8.34	8.35	29.12	29.05	86.70	86.45	6.22	6.21	1.29	1.32	2.7	2.8
			17:16	8.3	1.0	26.70		8.35		28.98		86.20		6.19		1.35		2.9	
	27/5/2024	Cloudy	8:14	8.5	1.0	26.70	26.60	8.39	8.38	27.12	27.06	82.10	82.45	6.19	6.20	2.37	2.42	2.4	2.3
			8:15	8.5	1.0	26.50		8.37		26.99		82.80		6.20		2.47		2.2	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	11:05	8.7	1.0	26.40	26.55	8.34	8.35	27.68	27.76	83.70	84.25	6.31	6.36	3.25	3.17	1.6	1.6
			11:06	8.7	1.0	26.70		8.35		27.84		84.80		6.40		3.09		1.5	

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 (Middle) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH -		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CE	2/5/2024	Cloudy	16:49	8.7	4.4	24.90	24.90	8.30	8.30	23.71	23.79	83.40	82.90	6.21	6.20	2.10	2.06	<1.0	1.0
			16:50	8.7	4.4	24.90		8.30		23.86		82.40		6.19		2.01		<1.0	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	10:31	8.7	4.4	25.80	25.85	8.43	8.43	27.00	27.18	86.30	86.85	6.40	6.43	1.37	1.48	3.3	3.2
			10:32	8.7	4.4	25.90		8.43		27.35		87.40		6.46		1.58		3.1	
	8/5/2024	Cloudy	13:04	8.5	4.3	25.90	25.85	8.28	8.28	25.18	25.09	83.10	83.35	6.20	6.21	1.98	2.01	11.4	11.1
			13:05	8.5	4.3	25.80		8.28		25.00		83.60		6.22		2.04		10.8	
	10/5/2024	Cloudy	12:34	8.7	4.4	26.00	26.00	8.48	8.49	28.92	28.91	84.10	83.80	6.22	6.21	2.84	2.79	3.9	4.2
			12:35	8.7	4.4	26.00		8.49		28.90		83.50		6.19		2.74		4.4	
	13/5/2024	Cloudy	15:04	8.7	4.4	25.70	25.65	8.35	8.35	27.62	27.60	89.20	89.75	6.87	6.91	1.94	1.98	3.0	3.2
			15:05	8.7	4.4	25.60		8.34		27.58		90.30		6.95		2.01		3.3	
	16/5/2024	Cloudy	17:39	8.8	4.4	25.60	25.65	8.74	8.74	28.61	28.60	89.40	89.30	6.40	6.39	1.01	1.09	5.2	5.4
			17:40	8.8	4.4	25.70		8.74		28.59		89.20		6.38		1.17		5.6	
	18/5/2024	Cloudy	9:47	8.4	4.2	26.20	26.15	8.55	8.55	29.24	29.11	78.60	79.35	5.97	6.00	1.97	1.85	3.4	3.0
			9:48	8.4	4.2	26.10		8.55		28.97		80.10		6.02		1.73		2.6	
	20/5/2024	Cloudy	11:08	8.5	4.3	24.90	24.95	8.47	8.49	29.27	29.34	83.30	83.90	6.21	6.25	2.10	2.11	1.6	1.7
			11:09	8.5	4.3	25.00		8.50		29.41		84.50		6.28		2.12		1.8	
	22/5/2024	Cloudy	12:12	8.6	4.3	25.80	25.85	8.44	8.44	30.23	30.32	95.10	95.65	6.75	6.79	2.37	2.44	2.5	2.7
			12:13	8.6	4.3	25.90		8.43		30.41		96.20		6.83		2.51		2.9	
	24/5/2024	Cloudy	13:04	8.8	4.4	26.30	26.40	8.34	8.35	28.67	28.78	89.40	89.50	6.60	6.61	1.90	1.96	4.1	4.2
			13:05	8.8	4.4	26.50		8.36		28.89		89.60		6.62		2.01		4.3	
	27/5/2024	Cloudy	13:04	8.7	4.4	26.70	26.65	8.40	8.40	27.54	27.76	83.70	84.25	6.13	6.14	2.97	2.82	1.8	1.8
			13:05	8.7	4.4	26.60		8.39		27.98		84.80		6.15		2.67		1.7	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	8:15	8.4	4.2	26.50	26.55	8.33	8.33	27.63	27.60	83.20	83.00	6.23	6.22	3.74	3.65	4.2	4.5
			8:16	8.4	4.2	26.60		8.33		27.57		82.80		6.20		3.56		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	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CE	2/5/2024	Cloudy	9:55	8.4	4.2	25.10	25.15	8.27	8.28	23.16	23.27	83.20	83.00	6.22	6.20	2.57	2.47	1.5	1.4
			9:56	8.4	4.2	25.20		8.28		23.37		82.80		6.17		2.37		1.3	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	16:07	8.3	4.2	26.10	26.15	8.46	8.47	28.47	28.58	84.90	84.75	6.20	6.20	1.14	1.12	3.5	3.4
			16:08	8.3	4.2	26.20		8.47		28.69		84.60		6.19		1.09		3.2	
	8/5/2024	Cloudy	17:24	8.1	4.1	25.70	25.70	8.27	8.27	25.28	25.29	83.70	83.50	6.22	6.21	2.77	2.68	8.9	9.3
			17:25	8.1	4.1	25.70		8.26		25.30		83.30		6.20		2.59		9.7	
	10/5/2024	Cloudy	8:08	8.2	4.1	24.70	24.65	8.44	8.45	28.89	28.79	84.50	83.95	6.28	6.24	2.94	2.81	3.4	3.5
			8:09	8.2	4.1	24.60		8.45		28.69		83.40		6.19		2.68		3.6	
	13/5/2024	Cloudy	9:44	8.5	4.3	25.70	25.75	8.33	8.34	27.88	27.86	88.60	88.40	6.88	6.84	2.45	2.36	3.3	3.5
			9:45	8.5	4.3	25.80		8.34		27.83		88.20		6.79		2.27		3.6	
	16/5/2024	Cloudy	8:25	8.4	4.2	25.40	25.35	8.74	8.74	28.60	28.67	85.00	84.40	6.28	6.25	1.68	1.59	4.1	4.2
			8:26	8.4	4.2	25.30		8.74		28.73		83.80		6.21		1.50		4.3	
	18/5/2024	Cloudy	14:14	8.5	4.3	26.50	26.40	8.61	8.62	28.50	28.41	82.20	82.00	6.40	6.42	1.45	1.36	3.3	3.0
			14:15	8.5	4.3	26.30		8.62		28.32		81.80		6.44		1.27		2.7	
	20/5/2024	Cloudy	16:04	8.2	4.1	25.00	25.10	8.50	8.50	29.13	29.07	84.00	83.90	6.23	6.23	2.18	2.11	1.4	1.5
			16:05	8.2	4.1	25.20		8.49		29.00		83.80		6.22		2.04		1.6	
	22/5/2024	Cloudy	17:29	8.2	4.1	26.20	26.15	8.45	8.46	30.48	30.54	90.30	91.25	6.43	6.50	2.02	1.99	2.7	2.6
			17:30	8.2	4.1	26.10		8.46		30.59		92.20		6.56		1.96		2.5	
	24/5/2024	Cloudy	17:19	8.3	4.2	26.90	26.80	8.34	8.34	29.15	29.26	80.30	80.55	6.03	6.04	1.81	1.79	3.4	3.5
			17:20	8.3	4.2	26.70		8.33		29.37		80.80		6.05		1.76		3.5	
	27/5/2024	Cloudy	8:18	8.5	4.3	26.60	26.60	8.38	8.38	27.85	27.90	84.70	84.95	6.24	6.25	2.86	2.72	2.6	2.7
			8:19	8.5	4.3	26.60		8.38		27.94		85.20		6.26		2.57		2.8	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	11:09	8.7	4.4	26.50	26.55	8.35	8.35	27.84	27.78	81.20	82.10	6.18	6.21	3.47	3.36	1.9	1.9
			11:10	8.7	4.4	26.60		8.35		27.72		83.00		6.24		3.25		1.8	

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

**Impact Water Quality Monitoring at Station 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	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CE	2/5/2024	Cloudy	16:52	8.7	7.7	25.00	25.05	8.30	8.31	24.82	24.86	82.50	83.25	6.20	6.22	1.59	1.63	1.4	1.4
			16:53	8.7	7.7	25.10		8.31		24.90		84.00		6.24		1.67		1.4	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	10:34	8.7	7.7	25.70	25.80	8.39	8.40	28.38	28.29	84.60	84.20	6.33	6.29	2.74	2.86	3.4	3.6
			10:35	8.7	7.7	25.90		8.40		28.19		83.80		6.25		2.98		3.7	
	8/5/2024	Cloudy	13:07	8.5	7.5	25.90	25.95	8.29	8.30	25.54	25.47	81.10	81.65	6.18	6.22	1.25	1.29	9.1	10.1
			13:08	8.5	7.5	26.00		8.30		25.40		82.20		6.25		1.32		11.0	
	10/5/2024	Cloudy	12:37	8.7	7.7	25.80	25.90	8.47	8.47	29.14	29.27	84.00	83.70	6.25	6.24	1.72	1.49	4.9	4.8
			12:38	8.7	7.7	25.80		8.47		29.40		83.40		6.22		1.25		4.6	
	13/5/2024	Cloudy	15:07	8.7	7.7	25.60	25.70	8.37	8.37	28.02	27.98	89.20	88.85	6.90	6.86	2.10	2.17	3.8	3.7
			15:08	8.7	7.7	25.80		8.36		27.94		88.50		6.82		2.24		3.5	
	16/5/2024	Cloudy	17:42	8.8	7.8	25.80	25.85	8.74	8.75	29.11	29.06	80.70	80.85	6.09	6.10	1.86	1.92	5.9	6.1
			17:43	8.8	7.8	25.90		8.75		29.00		81.00		6.11		1.98		6.3	
	18/5/2024	Cloudy	9:50	8.4	7.4	26.20	26.05	8.48	8.47	29.56	29.51	94.70	94.15	6.28	6.25	2.36	2.47	2.3	2.4
			9:51	8.4	7.4	25.90		8.46		29.46		93.60		6.21		2.57		2.4	
	20/5/2024	Cloudy	11:11	8.5	7.5	24.90	25.00	8.47	8.48	29.99	29.91	82.60	83.70	6.24	6.27	1.96	1.85	2.3	2.5
			11:12	8.5	7.5	25.10		8.48		29.82		84.80		6.30		1.73		2.6	
	22/5/2024	Cloudy	12:15	8.6	7.6	26.00	25.90	8.42	8.42	30.75	30.68	97.00	97.85	6.86	6.92	1.98	2.02	1.5	1.6
			12:16	8.6	7.6	25.80		8.41		30.61		98.70		6.97		2.05		1.7	
	24/5/2024	Cloudy	13:07	8.8	7.8	26.20	26.15	8.33	8.33	29.41	29.37	89.70	89.45	6.63	6.62	2.15	2.13	4.9	4.8
			13:08	8.8	7.8	26.10		8.32		29.33		89.20		6.60		2.11		4.7	
	27/5/2024	Cloudy	13:07	8.7	7.7	26.80	26.70	8.39	8.39	27.65	27.63	85.00	84.80	6.22	6.21	1.53	1.61	1.6	1.6
			13:08	8.7	7.7	26.60		8.38		27.60		84.60		6.19		1.68		1.6	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	8:18	8.4	7.4	26.50	26.60	8.33	8.34	27.84	27.72	82.60	82.80	6.18	6.19	3.02	2.98	5.3	5.2
			8:19	8.4	7.4	26.70		8.34		27.59		83.00		6.20		2.94		5.1	

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

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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH -		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CE	2/5/2024	Cloudy	9:58	8.4	7.4	25.20	25.25	8.28	8.29	24.19	24.22	81.80	81.45	6.14	6.12	1.69	1.82	1.8	1.8
			9:59	8.4	7.4	25.30		8.29		24.25		81.10		6.10		1.95		1.7	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	16:10	8.3	7.3	26.30	26.25	8.45	8.46	29.12	29.19	81.20	81.00	6.17	6.16	1.98	2.02	2.9	3.1
			16:11	8.3	7.3	26.20		8.47		29.25		80.80		6.15		2.05		3.2	
	8/5/2024	Cloudy	17:27	8.1	7.1	25.80	25.70	8.28	8.29	25.19	25.28	83.40	83.95	6.20	6.24	1.18	1.26	9.2	9.5
			17:28	8.1	7.1	25.60		8.29		25.37		84.50		6.28		1.33		9.8	
	10/5/2024	Cloudy	8:11	8.2	7.2	24.90	24.85	8.45	8.46	27.95	27.80	82.50	82.85	6.17	6.19	1.87	1.70	2.9	2.8
			8:12	8.2	7.2	24.80		8.46		27.64		83.20		6.20		1.53		2.6	
	13/5/2024	Cloudy	9:47	8.5	7.5	25.70	25.70	8.33	8.32	27.99	28.06	92.40	93.25	6.95	6.97	2.19	2.36	4.0	4.1
			9:48	8.5	7.5	25.70		8.31		28.13		94.10		6.98		2.53		4.1	
	16/5/2024	Cloudy	8:28	8.4	7.4	25.50	25.50	8.75	8.75	28.81	28.70	86.90	85.95	6.30	6.26	1.97	2.00	3.7	3.6
			8:29	8.4	7.4	25.50		8.74		28.59		85.00		6.22		2.02		3.4	
	18/5/2024	Cloudy	14:17	8.5	7.5	26.20	26.15	8.43	8.46	29.73	29.70	83.50	83.45	6.69	6.69	1.92	1.96	4.1	4.0
			14:18	8.5	7.5	26.10		8.48		29.66		83.40		6.68		2.00		3.9	
	20/5/2024	Cloudy	16:07	8.2	7.2	25.10	25.10	8.48	8.48	29.57	29.50	82.70	82.95	6.18	6.20	2.50	2.41	2.1	2.2
			16:08	8.2	7.2	25.10		8.47		29.42		83.20		6.21		2.31		2.3	
	22/5/2024	Cloudy	17:32	8.2	7.2	26.30	26.20	8.44	8.44	30.99	30.91	94.40	95.65	6.67	6.75	2.62	2.79	3.4	3.2
			17:33	8.2	7.2	26.10		8.43		30.82		96.90		6.83		2.96		3.0	
	24/5/2024	Cloudy	17:22	8.3	7.3	26.80	26.80	8.32	8.32	29.62	29.57	90.20	89.85	6.39	6.37	2.09	2.15	5.1	5.3
			17:23	8.3	7.3	26.80		8.32		29.52		89.50		6.35		2.20		5.4	
	27/5/2024	Cloudy	8:21	8.5	7.5	26.60	26.65	8.39	8.39	28.19	28.21	80.70	80.95	6.11	6.12	2.02	2.01	3.1	3.3
			8:22	8.5	7.5	26.70		8.38		28.23		81.20		6.13		2.00		3.4	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	11:12	8.7	7.7	26.70	26.60	8.34	8.35	27.90	28.02	83.20	83.00	6.25	6.23	2.98	2.93	2.1	2.3
			11:13	8.7	7.7	26.50		8.36		28.13		82.80		6.20		2.87		2.4	

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

**Impact Water Quality Monitoring at Station 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	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CF	2/5/2024	Cloudy	18:21	8.7	1.0	25.40		8.30		23.66		84.20		6.25		1.50		1.7	
			18:22	8.7	1.0	25.30	25.35	8.29	8.30	23.70	23.68	83.60	83.90	6.20	6.23	1.62	1.56	1.5	1.6
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	9:58	8.7	1.0	25.80		8.36		26.94		82.10		6.19		1.09		3.6	
			9:59	8.7	1.0	25.70	25.75	8.35	8.36	26.84	26.89	84.90	83.50	6.28	6.24	1.02	1.06	3.2	3.4
	8/5/2024	Cloudy	11:32	8.6	1.0	26.00	25.95	8.27	8.28	24.73	24.79	83.70	82.85	6.22	6.21	1.00	1.07	7.5	7.7
			11:33	8.6	1.0	25.90		8.28		24.84		82.00		6.20		1.14		7.8	
	10/5/2024	Cloudy	13:58	8.7	1.0	25.80	25.85	8.48	8.48	28.69	28.60	84.20	83.70	6.28	6.24	1.87	1.96	2.7	2.9
			13:59	8.7	1.0	25.90		8.47		28.51		83.20		6.20		2.04		3.0	
	13/5/2024	Cloudy	16:32	8.6	1.0	25.70	25.65	8.37	8.38	27.12	27.04	92.70	91.60	6.86	6.84	1.37	1.49	2.6	2.8
			16:33	8.6	1.0	25.60		8.39		26.95		90.50		6.81		1.60		3.0	
	16/5/2024	Cloudy	19:06	8.9	1.0	25.50	25.40	8.76	8.77	28.24	28.17	91.30	90.35	6.27	6.23	1.69	1.45	2.6	2.8
			19:07	8.9	1.0	25.30		8.77		28.09		89.40		6.19		1.20		2.9	
	18/5/2024	Cloudy	8:14	8.3	1.0	26.10	26.15	8.59	8.58	28.73	28.70	94.60	95.00	6.47	6.49	1.18	1.14	4.5	4.8
			8:15	8.3	1.0	26.20		8.57		28.66		95.40		6.51		1.09		5.0	
	20/5/2024	Cloudy	9:35	8.6	1.0	25.60	25.65	8.45	8.46	28.47	28.49	84.20	84.35	6.25	6.27	2.25	2.38	1.6	1.7
			9:36	8.6	1.0	25.70		8.46		28.50		84.50		6.28		2.50		1.8	
	22/5/2024	Cloudy	10:40	8.7	1.0	25.90	25.85	8.30	8.31	30.14	30.09	99.20	98.90	6.91	6.90	1.68	1.60	2.6	2.7
			10:41	8.7	1.0	25.80		8.31		30.03		98.60		6.88		1.52		2.8	
	24/5/2024	Cloudy	11:30	8.8	1.0	26.30	26.25	8.34	8.34	29.57	29.49	91.00	90.25	6.27	6.26	2.10	2.11	2.7	2.9
			11:31	8.8	1.0	26.20		8.33		29.41		89.50		6.25		2.12		3.0	
	27/5/2024	Cloudy	14:21	8.7	1.0	26.50	26.50	8.40	8.39	25.47	25.41	89.40	89.30	6.19	6.18	2.11	2.15	1.2	1.2
			14:22	8.7	1.0	26.50		8.38		25.35		89.20		6.17		2.18		1.1	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	6:42	8.3	1.0	26.10	26.05	8.33	8.34	27.20	27.18	87.60	87.25	6.58	6.56	3.01	3.11	4.4	4.6
			6:43	8.3	1.0	26.00		8.34		27.15		86.90		6.53		3.21		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 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	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CF	2/5/2024	Cloudy	8:21	8.3	1.0	25.10	25.05	8.23	8.23	23.47	23.36	82.50	81.55	6.22	6.18	1.75	1.86	1.1	1.2
			8:22	8.3	1.0	25.00		8.22		23.25		80.60		6.14		1.96		1.2	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	17:34	8.3	1.0	26.30	26.35	8.47	8.47	26.92	26.52	84.60	83.85	6.26	6.23	2.18	2.21	3.7	3.5
			17:35	8.3	1.0	26.40		8.46		26.12		83.10		6.20		2.23		3.3	
	8/5/2024	Cloudy	18:47	8.1	1.0	25.00	25.05	8.23	8.24	24.02	23.96	84.40	84.20	6.28	6.27	0.30	0.59	9.8	9.6
			18:48	8.1	1.0	25.10		8.25		23.90		84.00		6.25		0.87		9.3	
	10/5/2024	Cloudy	6:33	8.1	1.0	25.40	25.35	8.32	8.32	26.49	26.44	82.10	81.75	6.22	6.20	3.09	3.11	2.4	2.4
			6:34	8.1	1.0	25.30		8.31		26.38		81.40		6.17		3.12		2.3	
	13/5/2024	Cloudy	8:08	8.3	1.0	26.00	25.95	8.34	8.34	26.30	26.24	90.20	89.80	6.91	6.88	1.59	1.67	1.7	1.7
			8:09	8.3	1.0	25.90		8.33		26.18		89.40		6.84		1.75		1.6	
	16/5/2024	Cloudy	6:48	8.2	1.0	26.10	26.05	8.67	8.68	28.29	28.24	86.70	86.30	6.30	6.27	0.47	0.54	4.2	4.3
			6:49	8.2	1.0	26.00		8.68		28.18		85.90		6.23		0.60		4.4	
	18/5/2024	Cloudy	15:37	8.4	1.0	26.60	26.55	8.79	8.75	29.75	29.66	79.00	78.70	6.42	6.41	1.18	1.24	6.2	6.9
			15:38	8.4	1.0	26.50		8.70		29.57		78.40		6.39		1.30		7.6	
	20/5/2024	Cloudy	17:26	8.2	1.0	25.20	25.25	8.51	8.51	28.20	28.39	84.20	84.10	6.25	6.25	1.67	1.74	1.1	1.2
			17:27	8.2	1.0	25.30		8.50		28.47		84.00		6.24		1.80		1.2	
	22/5/2024	Cloudy	18:51	8.2	1.0	26.20	26.15	8.41	8.40	29.50	29.60	93.20	94.00	6.75	6.78	2.57	2.77	3.1	3.1
			18:52	8.2	1.0	26.10		8.39		29.69		94.80		6.81		2.97		3.1	
	24/5/2024	Cloudy	18:44	8.2	1.0	26.60	26.55	8.38	8.38	29.73	29.68	86.30	87.90	6.19	6.22	1.36	1.47	3.2	3.3
			18:45	8.2	1.0	26.50		8.37		29.63		89.50		6.25		1.57		3.4	
	27/5/2024	Cloudy	6:45	8.4	1.0	26.60	26.70	8.34	8.33	25.56	25.65	90.30	89.90	6.30	6.28	2.38	2.54	2.2	2.4
			6:46	8.4	1.0	26.80		8.32		25.73		89.50		6.25		2.69		2.6	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	12:34	8.6	1.0	26.70	26.75	8.31	8.31	28.25	28.13	84.80	84.30	6.35	6.33	2.37	2.47	3.0	3.1
			12:35	8.6	1.0	26.80		8.30		28.01		83.80		6.30		2.56		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 CF (Middle) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH -		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CF	2/5/2024	Cloudy	18:25	8.7	4.4	25.20	25.25	8.28	8.29	23.65	23.55	84.00	83.70	6.23	6.21	1.99	1.85	2.2	2.4
			18:26	8.7	4.4	25.30		8.29		23.45		83.40		6.19	6.21	1.70		2.6	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	10:02	8.7	4.4	25.60	25.65	8.34	8.35	27.00	27.08	85.00	83.50	6.29	6.24	1.12	1.08	2.8	3.0
			10:03	8.7	4.4	25.70		8.35		27.15		82.00		6.19		1.03		3.1	
	8/5/2024	Cloudy	11:36	8.6	4.3	25.90	25.90	8.28	8.28	25.50	25.48	84.20	84.35	6.25	6.27	1.12	1.25	5.8	6.5
			11:37	8.6	4.3	25.90		8.27		25.46		84.50		6.28		1.37		7.2	
	10/5/2024	Cloudy	14:02	8.7	4.4	25.80	25.80	8.48	8.48	27.73	27.61	83.40	83.60	6.20	6.23	1.79	1.66	3.2	3.4
			14:03	8.7	4.4	25.80		8.48		27.49		83.80		6.26		1.52		3.6	
	13/5/2024	Cloudy	16:36	8.6	4.3	25.50	25.55	8.36	8.36	27.25	27.12	89.00	89.05	6.74	6.74	2.00	1.85	3.1	3.3
			16:37	8.6	4.3	25.60		8.36		26.98		89.10		6.74		1.69		3.4	
	16/5/2024	Cloudy	19:10	8.9	4.5	25.30	25.35	8.77	8.78	28.15	28.26	89.70	89.90	6.23	6.24	1.67	1.83	3.6	3.8
			19:11	8.9	4.5	25.40		8.78		28.37		90.10		6.25		1.98		3.9	
	18/5/2024	Cloudy	8:18	8.3	4.2	26.00	26.05	8.53	8.53	28.92	29.02	82.00	81.70	6.32	6.31	1.97	1.99	4.6	5.4
			8:19	8.3	4.2	26.10		8.52		29.12		81.40		6.29		2.01		6.2	
	20/5/2024	Cloudy	9:39	8.6	4.3	25.60	25.60	8.44	8.44	28.73	28.67	83.40	83.75	6.19	6.22	2.00	1.92	1.8	1.9
			9:40	8.6	4.3	25.60		8.43		28.60		84.10		6.24		1.84		1.9	
	22/5/2024	Cloudy	10:44	8.7	4.4	25.70	25.75	8.32	8.32	30.72	30.49	96.20	97.60	6.84	6.91	2.25	2.16	3.3	3.5
			10:45	8.7	4.4	25.80		8.32		30.25		99.00		6.97		2.07		3.7	
	24/5/2024	Cloudy	11:34	8.8	4.4	26.20	26.30	8.32	8.33	29.74	29.81	88.40	88.20	6.21	6.20	1.04	1.08	2.5	2.4
			11:35	8.8	4.4	26.40		8.34		29.87		88.00		6.19		1.12		2.2	
	27/5/2024	Cloudy	14:25	8.7	4.4	26.50	26.45	8.39	8.40	26.19	26.24	82.90	83.75	6.19	6.20	2.38	2.25	1.8	1.8
			14:26	8.7	4.4	26.40		8.40		26.28		84.60		6.21		2.12		1.7	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	6:46	8.3	4.2	26.40	26.35	8.35	8.34	27.26	27.32	83.30	83.15	6.26	6.23	2.97	2.91	3.8	3.9
			6:47	8.3	4.2	26.30		8.33		27.38		83.00		6.20		2.84		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 CF (Middle) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH -		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CF	2/5/2024	Cloudy	8:25	8.3	4.2	25.00	25.05	8.23	8.23	23.45	23.53	80.80	81.80	6.15	6.20	2.02	1.98	1.5	1.4
			8:26	8.3	4.2	25.10		8.22		23.60		82.80		6.25		1.94		1.3	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	17:38	8.3	4.2	26.20	26.25	8.44	8.44	29.34	29.36	90.20	89.85	6.44	6.43	1.92	1.99	3.8	3.9
			17:39	8.3	4.2	26.30		8.43		29.37		89.50		6.41		2.06		4.0	
	8/5/2024	Cloudy	18:51	8.1	4.1	25.00	24.95	8.24	8.25	23.84	23.80	83.40	83.30	6.22	6.21	1.12	0.99	8.5	7.8
			18:52	8.1	4.1	24.90		8.26		23.76		83.20		6.20		0.86		7.0	
	10/5/2024	Cloudy	6:37	8.1	4.1	25.20	25.20	8.33	8.34	26.73	26.79	81.20	81.50	6.18	6.19	2.94	2.78	2.6	2.8
			6:38	8.1	4.1	25.20		8.34		26.85		81.80		6.20		2.62		2.9	
	13/5/2024	Cloudy	8:12	8.3	4.2	25.80	25.85	8.33	8.34	26.59	26.43	88.90	89.20	6.62	6.74	2.24	2.21	2.1	2.3
			8:13	8.3	4.2	25.90		8.34		26.26		89.50		6.85		2.18		2.4	
	16/5/2024	Cloudy	6:52	8.2	4.1	25.90	25.90	8.68	8.68	28.37	28.31	86.30	85.60	6.28	6.24	0.98	0.91	5.0	4.9
			6:53	8.2	4.1	25.90		8.68		28.25		84.90		6.20		0.84		4.7	
	18/5/2024	Cloudy	15:41	8.4	4.2	26.40	26.35	8.76	8.76	29.67	29.77	78.80	80.30	6.40	6.43	1.42	1.55	2.9	3.6
			15:42	8.4	4.2	26.30		8.75		29.87		81.80		6.45		1.67		4.2	
	20/5/2024	Cloudy	17:30	8.2	4.1	25.40	25.35	8.50	8.51	28.40	28.37	86.50	85.50	6.33	6.30	1.65	1.45	1.6	1.6
			17:31	8.2	4.1	25.30		8.51		28.33		84.50		6.26		1.25		1.5	
	22/5/2024	Cloudy	18:55	8.2	4.1	26.00	25.95	8.40	8.40	31.27	30.68	94.40	94.00	6.76	6.75	3.25	3.22	3.6	3.5
			18:56	8.2	4.1	25.90		8.39		30.09		93.60		6.73		3.19		3.4	
	24/5/2024	Cloudy	18:48	8.2	4.1	26.70	26.60	8.36	8.37	29.87	29.82	84.90	84.75	6.20	6.20	2.09	2.03	4.1	4.3
			18:49	8.2	4.1	26.50		8.37		29.77		84.60		6.19		1.97		4.4	
	27/5/2024	Cloudy	6:49	8.4	4.2	26.60	26.65	8.34	8.35	27.53	27.49	90.10	89.80	6.30	6.28	3.34	3.30	2.7	2.9
			6:50	8.4	4.2	26.70		8.35		27.45		89.50		6.25		3.25		3.0	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	12:38	8.6	4.3	26.70	26.65	8.32	8.32	27.94	27.91	82.80	83.60	6.24	6.28	3.09	3.23	3.1	3.2
			12:39	8.6	4.3	26.60		8.31		27.87		84.40		6.31		3.36		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 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	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CF	2/5/2024	Cloudy	18:28	8.7	7.7	25.10	25.15	8.28	8.28	25.31	25.36	82.60	82.65	6.13	6.14	2.01	1.98	2.9	3.1
			18:29	8.7	7.7	25.20		8.28		25.41		82.70		6.14		1.94		3.2	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	10:05	8.7	7.7	25.60	25.60	8.34	8.34	27.02	27.21	80.20	80.90	6.11	6.14	1.67	1.73	2.2	2.2
			10:06	8.7	7.7	25.60		8.34		27.40		81.60		6.17		1.79		2.2	
	8/5/2024	Cloudy	11:39	8.6	7.6	25.80	25.75	8.28	8.29	25.77	25.81	83.80	83.20	6.27	6.23	1.95	1.78	5.7	5.4
			11:40	8.6	7.6	25.70		8.29		25.84		82.60		6.19		1.61		5.0	
	10/5/2024	Cloudy	14:05	8.7	7.7	25.80	25.75	8.49	8.49	27.54	27.58	83.30	83.90	6.19	6.24	1.01	1.07	4.4	4.2
			14:06	8.7	7.7	25.70		8.48		27.62		84.50		6.28		1.12		4.0	
	13/5/2024	Cloudy	16:39	8.6	7.6	25.80	25.70	8.38	8.38	27.50	27.57	91.50	91.85	6.83	6.84	2.08	2.22	3.8	4.0
			16:40	8.6	7.6	25.60		8.37		27.64		92.20		6.85		2.36		4.2	
	16/5/2024	Cloudy	19:13	8.9	7.9	25.30	25.25	8.75	8.76	28.41	28.32	89.20	89.35	6.19	6.20	1.25	1.28	4.4	4.6
			19:14	8.9	7.9	25.20		8.76		28.22		89.50		6.21		1.30		4.8	
	18/5/2024	Cloudy	8:21	8.3	7.3	26.00	25.95	8.50	8.49	29.25	29.15	78.50	78.25	5.99	5.98	2.19	2.15	5.4	4.4
			8:22	8.3	7.3	25.90		8.48		29.05		78.00		5.96		2.11		3.3	
	20/5/2024	Cloudy	9:42	8.6	7.6	25.50	25.50	8.43	8.43	28.69	28.82	83.40	84.10	6.19	6.20	2.19	2.12	2.6	2.4
			9:43	8.6	7.6	25.50		8.43		28.94		84.80		6.21		2.04		2.2	
	22/5/2024	Cloudy	10:47	8.7	7.7	25.70	25.70	8.33	8.34	30.99	31.00	97.90	97.70	6.80	6.79	2.51	2.58	4.2	4.4
			10:48	8.7	7.7	25.70		8.34		31.01		97.50		6.77		2.65		4.5	
	24/5/2024	Cloudy	11:37	8.8	7.8	26.30	26.25	8.32	8.32	29.99	29.90	84.90	84.70	6.09	6.08	1.16	1.31	1.7	1.8
			11:38	8.8	7.8	26.20		8.32		29.81		84.50		6.07		1.45		1.8	
	27/5/2024	Cloudy	14:28	8.7	7.7	26.60	26.55	8.38	8.39	27.82	27.88	91.30	89.85	6.27	6.24	2.73	2.80	2.4	2.4
			14:29	8.7	7.7	26.50		8.39		27.94		88.40		6.21		2.86		2.4	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	6:49	8.3	7.3	26.20	26.30	8.32	8.32	27.51	27.41	83.30	83.50	6.26	6.28	1.90	2.00	3.7	3.7
			6:50	8.3	7.3	26.40		8.32		27.30		83.70		6.29		2.09		3.7	

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 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	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CF	2/5/2024	Cloudy	8:28	8.3	7.3	25.10	25.15	8.22	8.23	25.87	25.91	81.10	80.35	6.18	6.12	1.73	1.79	1.7	1.7
			8:29	8.3	7.3	25.20		8.24		25.94		79.60		6.06		1.85		1.7	
	4/5/2024	Red Rain	WQM was cancelled due to adverse weather																
	6/5/2024	Cloudy	17:41	8.3	7.3	26.20	26.20	8.39	8.40	30.44	30.38	83.60	83.20	6.22	6.20	1.73	1.86	4.5	4.4
			17:42	8.3	7.3	26.20		8.40		30.31		82.80		6.17		1.98		4.2	
	8/5/2024	Cloudy	18:54	8.1	7.1	24.90	24.85	8.25	8.25	23.45	23.53	84.20	84.15	6.28	6.28	1.26	1.30	6.6	6.1
			18:55	8.1	7.1	24.80		8.24		23.60		84.10		6.28		1.34		5.6	
	10/5/2024	Cloudy	6:40	8.1	7.1	25.30	25.25	8.35	8.35	26.90	26.94	83.30	83.00	6.26	6.25	2.01	1.95	3.3	3.2
			6:41	8.1	7.1	25.20		8.34		26.98		82.70		6.24		1.89		3.1	
	13/5/2024	Cloudy	8:15	8.3	7.3	25.80	25.80	8.33	8.34	27.19	27.28	89.50	89.80	6.85	6.88	2.47	2.54	2.6	2.6
			8:16	8.3	7.3	25.80		8.35		27.36		90.10		6.90		2.60		2.5	
	16/5/2024	Cloudy	6:55	8.2	7.2	25.90	25.85	8.67	8.68	28.49	28.62	84.80	84.70	6.21	6.20	1.20	1.45	5.6	5.8
			6:56	8.2	7.2	25.80		8.68		28.74		84.60		6.19		1.69		5.9	
	18/5/2024	Cloudy	15:44	8.4	7.4	26.70	26.65	8.65	8.67	28.94	28.99	79.70	79.55	6.37	6.36	1.97	2.05	3.0	3.3
			15:45	8.4	7.4	26.60		8.68		29.03		79.40		6.35		2.12		3.5	
	20/5/2024	Cloudy	17:33	8.2	7.2	25.20	25.25	8.49	8.50	28.56	28.69	84.00	83.50	6.19	6.17	2.31	2.59	2.1	2.2
			17:34	8.2	7.2	25.30		8.51		28.81		83.00		6.14		2.87		2.2	
	22/5/2024	Cloudy	18:58	8.2	7.2	25.90	26.00	8.40	8.41	30.18	30.30	90.60	90.25	6.57	6.56	3.02	3.07	4.1	4.3
			18:59	8.2	7.2	26.10		8.42		30.42		89.90		6.54		3.12		4.4	
	24/5/2024	Cloudy	18:51	8.2	7.2	26.80	26.70	8.35	8.36	29.88	29.87	86.10	85.45	6.22	6.20	2.22	2.16	5.2	5.1
			18:52	8.2	7.2	26.60		8.36		29.86		84.80		6.18		2.09		4.9	
	27/5/2024	Cloudy	6:52	8.4	7.4	26.60	26.70	8.35	8.36	27.88	27.91	83.80	83.55	6.11	6.10	3.21	3.30	3.2	3.4
			6:53	8.4	7.4	26.80		8.36		27.94		83.30		6.09		3.38		3.6	
	29/5/2024	Strong monsoon	WQM was cancelled due to adverse weather																
	31/5/2024	Cloudy	12:41	8.6	7.6	26.70	26.60	8.32	8.33	27.59	27.70	83.40	83.20	6.25	6.24	3.67	3.40	4.1	4.3
			12:42	8.6	7.6	26.50		8.33		27.81		83.00		6.23		3.12		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.



Lam Environmental Services Limited

Contract No. SD 15/2022
Outlying Island Sewerage Stage 2 – South Lantau Sewage Works –
Environmental Team Services (2023 – 2024)

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
						°C		-		ppt		%		mg/L		NTU		mg/L	
SR4	3/6/2024	Cloudy	9:28	3.5	1.0	26.40	26.45	8.34	8.34	26.80	26.77	82.60	82.85	6.16	6.17	4.98	5.11	4.9	5.1
			9:29	3.5	1.0	26.50		8.34		26.74		83.10		6.18		5.24		5.2	
			11:01	4.0	1.0	25.90	25.90	8.34	8.35	28.87	28.82	83.10	83.05	6.20	6.20	3.05	3.05	4.5	4.7
	5/6/2024	Cloudy	11:02	4.0	1.0	25.90		8.35		28.76		83.00		6.19		3.42		4.5	
			12:12	3.9	1.0	26.30	26.25	8.33	8.33	26.39	26.47	83.20	83.10	6.17	6.17	4.37	4.40	4.2	4.4
	7/6/2024	Cloudy	12:13	3.9	1.0	26.20		8.33		26.54		83.00		6.16		4.42		4.6	
			15:44	3.6	1.0	27.50	27.55	8.37	8.37	25.58	25.66	87.30	86.75	6.38	6.36	6.36	6.30	<1.0	1.0
			15:45	3.6	1.0	27.60		8.36		25.73		86.20		6.33		6.24		<1.0	
	13/6/2024	Cloudy	17:17	3.7	1.0	27.70	27.70	8.43	8.43	24.47	24.39	88.10	88.55	6.33	6.35	3.56	3.65	2.7	2.9
			17:18	3.7	1.0	27.70		8.43		24.31		89.00		6.36		3.74		3.0	
	15/6/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
	17/6/2024	Fine	9:13	3.8	1.0	27.90	27.90	8.35	8.35	22.34	22.37	84.60	84.75	6.13	6.14	6.13	6.02	2.9	3.5
			9:14	3.8	1.0	27.90		8.34		22.40		84.90		6.14		5.90		4.0	
	19/6/2024	Cloudy	10:07	3.5	1.0	29.60	29.60	8.70	8.70	14.40	14.49	91.30	90.65	6.89	6.85	6.84	6.79	4.2	4.1
			10:08	3.5	1.0	29.60		8.70		14.57		90.00		6.91		6.74		3.9	
	21/6/2024	Cloudy	11:22	3.7	1.0	29.30	29.25	8.72	8.73	17.83	17.84	94.70	95.55	6.83	6.88	6.84	6.93	4.6	4.4
			11:23	3.7	1.0	29.20		8.73		17.85		96.40		6.93		7.02		4.1	
	24/6/2024	Fine	14:06	3.8	1.0	28.00	27.95	8.36	8.36	22.81	22.75	89.70	89.85	6.25	6.27	6.87	6.91	23.3	22.6
			14:07	3.8	1.0	27.90		8.36		22.69		90.00		6.29		6.94		21.8	
	26/6/2024	Fine	15:35	3.7	1.0	28.60	28.65	8.54	8.55	19.17	19.13	87.40	86.35	6.79	6.72	3.84	3.74	3.2	3.5
			15:36	3.7	1.0	28.70		8.56		19.08		85.30		6.65		3.64		3.8	
	28/6/2024	Cloudy	17:06	3.7	1.0	27.30	27.35	8.37	8.37	17.60	17.58	88.30	89.00	6.41	6.51	5.12	5.01	2.5	2.8
			17:07	3.7	1.0	27.40		8.36		17.55		89.70		6.60		4.89		3.1	

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.



Lam Environmental Services Limited

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
						°C		-		ppt		%		mg/L		NTU		mg/L	
SR4	3/6/2024	Cloudy	16:08	3.2	1.0	26.70	26.65	8.39	8.39	25.98	25.95	81.10	81.75	6.12	6.16	5.11	5.26	3.8	3.9
			16:09	3.2	1.0	26.60		8.38		25.92		82.40		6.19		5.41		4.0	
			18:14	3.6	1.0	25.60	25.60	8.36	8.37	29.41	29.21	82.10	81.95	6.19	6.19	3.84	3.73	5.6	5.7
	5/6/2024	Cloudy	18:15	3.6	1.0	25.60		8.37		29.00		81.90		6.18		3.62		5.7	
			18:18	3.2	1.0	26.40	26.40	8.36	8.37	28.62	28.56	82.90	82.80	6.18	6.17	4.97	4.88	2.6	2.5
	7/6/2024	Cloudy	18:19	3.2	1.0	26.40		8.37		28.50		82.70		6.16		4.78		2.4	
			8:08	3.3	1.0	27.40	27.40	8.35	8.35	26.11	26.06	81.30	81.20	6.13	6.13	5.12	5.18	3.5	3.7
			8:09	3.3	1.0	27.40		8.34		26.00		81.10		6.12		5.24		3.8	
	13/6/2024	Cloudy	8:23	3.5	1.0	28.00	28.05	8.41	8.41	22.50	22.60	96.20	96.10	6.84	6.83	3.94	4.09	3.2	3.4
			8:24	3.5	1.0	28.10		8.41		22.69		96.00		6.81		4.24		3.6	
	15/6/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
	17/6/2024	Fine	16:01	3.5	1.0	28.50	28.50	8.39	8.40	21.05	21.15	85.00	84.50	6.20	6.18	5.37	5.19	3.3	3.6
			16:02	3.5	1.0	28.50		8.40		21.24		84.00		6.15		5.01		3.8	
	19/6/2024	Cloudy	17:39	3.2	1.0	29.00	29.00	8.53	8.53	17.42	17.34	89.40	90.20	6.43	6.50	7.24	7.13	4.6	4.5
			17:40	3.2	1.0	29.00		8.52		17.26		91.00		6.96		7.02		4.4	
	21/6/2024	Cloudy	18:02	3.3	1.0	29.60	29.60	8.78	8.79	18.74	18.69	98.30	97.85	6.95	6.92	8.62	8.52	3.2	3.2
			18:03	3.3	1.0	29.60		8.80		18.63		97.40		6.99		8.41		3.1	
	24/6/2024	Fine	7:15	3.5	1.0	28.70	28.65	8.63	8.62	21.41	21.32	92.00	92.70	6.50	6.53	8.01	8.13	5.5	6.1
			7:16	3.5	1.0	28.60		8.60		21.22		93.40		6.56		8.25		6.6	
	26/6/2024	Fine	8:00	3.4	1.0	28.70	28.70	8.49	8.51	17.19	17.26	91.80	92.20	6.77	6.82	3.92	4.02	3.6	3.4
			8:01	3.4	1.0	28.70		8.52		17.32		92.60		6.86		4.12		3.1	
	28/6/2024	Cloudy	10:04	3.5	1.0	27.20	27.30	8.46	8.46	17.12	17.26	91.00	90.10	6.71	6.65	5.24	5.34	2.5	2.9
			10:05	3.5	1.0	27.40		8.46		17.40		89.20		6.59		5.43		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 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
						°C		-		ppt		%		mg/L		NTU		mg/L	
SR4	3/6/2024	Cloudy	9:30	3.5	2.5	26.50		8.33	8.33	28.29	28.33	81.90	81.85	6.14	6.14	5.17	5.13	4.0	3.8
			9:31	3.5	2.5	26.50		8.32		28.37		81.80		6.14		5.09		3.6	
			11:04	4.0	3.0	25.90	25.85	8.34	8.35	29.37	29.19	84.40	83.60	6.24	6.21	3.67	3.47	6.1	5.9
	5/6/2024	Cloudy	11:05	4.0	3.0	25.80		8.35		29.00		82.80		6.17		3.47		5.7	
			12:14	3.9	2.9	26.10	26.10	8.32	8.32	26.73	26.65	82.90	83.30	6.14	6.17	5.24	5.13	3.7	3.5
			12:15	3.9	2.9	26.10		8.32		26.57		83.70		6.20		5.01		3.3	
	7/6/2024	Cloudy	12:15	3.9	2.9	26.10		8.32		26.57		83.70		6.20		5.01		3.3	
			15:46	3.7	2.7	27.60	27.55	8.35	8.36	26.14	25.87	81.20	81.80	6.17	6.18	6.02	6.13	1.5	1.6
			15:47	3.6	2.6	27.50		8.36		25.59		82.40		6.18		6.24		1.6	
	11/6/2024	Fine	15:46	3.7	2.7	27.60	27.55	8.35	8.36	26.14	25.87	81.20	81.80	6.17	6.18	6.02	6.13	1.5	1.6
			15:47	3.6	2.6	27.50		8.36		25.59		82.40		6.18		6.24		1.6	
			17:19	3.7	2.7	27.60	27.60	8.41	8.41	25.19	25.12	88.70	88.95	6.34	6.37	4.46	4.33	3.4	3.6
	13/6/2024	Cloudy	17:20	3.7	2.7	27.60		8.41		25.05		89.20		6.39		4.19		3.7	
			17:20	3.7	2.7	27.60		8.41		25.05		89.20		6.39		4.19		3.7	
			17:20	3.7	2.7	27.60		8.41		25.05		89.20		6.39		4.19		3.7	
	15/6/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
	17/6/2024	Fine	9:15	3.5	2.8	27.70	27.75	8.33	8.32	23.53	23.61	80.60	80.40	6.05	6.05	6.42	6.33	5.2	5.4
			9:16	3.8	2.8	27.80		8.31		23.69		80.20		6.04		6.24		5.6	
			10:09	3.5	2.5	28.30	28.25	8.21	8.22	24.06	24.00	91.60	91.50	6.44	6.42	6.34	6.59	11.9	8.3
	19/6/2024	Cloudy	10:10	3.5	2.5	28.20		8.22		23.94		91.40		6.39		6.84		4.6	
			11:24	3.7	2.7	28.90	28.85	8.57	8.57	20.93	20.83	95.90	95.10	7.12	6.81	7.12	7.24	3.2	3.0
			11:25	3.7	2.7	28.80		8.56		20.73		94.30		6.76		7.36		2.8	
	21/6/2024	Cloudy	14:08	3.8	2.8	27.80	27.75	8.35	8.36	22.45	22.42	89.60	90.45	6.42	6.44	7.44	7.29	25.3	90.2
			14:09	3.8	2.8	27.70		8.36		22.38		91.30		6.46		7.14		155.0	
			15:37	3.7	2.7	28.70	28.75	8.54	8.55	19.28	19.36	84.60	85.20	6.61	6.66	3.99	4.12	4.6	4.4
	26/6/2024	Fine	15:38	3.7	2.7	28.80		8.56		19.44		85.80		6.70		4.24		4.1	
			17:08	3.7	2.7	26.50	26.50	8.25	8.26	22.17	22.09	88.40	87.40	6.37	6.32	5.43	5.58	2.6	3.0
			17:09	3.7	2.7	26.50		8.26		22.00		86.40		6.27		5.73		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 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
						°C		-		ppt		%		mg/L		NTU		mg/L	
SR4	3/6/2024	Cloudy	16:10	3.2	2.2	26.40	26.45	8.34	8.35	28.17	28.12	82.70	82.90	6.16	6.17	5.24	5.17	8.0	8.2
			16:11	3.2	2.2	26.50		8.35		28.06		83.10		6.18		5.09		8.4	
			18:16	3.6	2.6	25.80	25.80	8.38	8.38	29.16	29.26	82.00	81.25	6.19	6.16	3.56	3.75	4.4	4.5
	5/6/2024	Cloudy	18:17	3.6	2.6	25.80		8.37		29.36		80.50		6.13		3.94		4.6	
			18:20	3.2	2.2	26.40	26.45	8.37	8.37	29.01	28.92	82.50	82.75	6.17	6.20	5.25	5.14	1.6	1.7
			18:21	3.2	2.2	26.50		8.37		28.83		83.00		6.23		5.02		1.8	
	7/6/2024	Cloudy	8:10	3.3	2.3	27.40	27.35	8.36	8.36	25.99	25.90	81.00	81.55	6.12	6.16	4.92	5.00	4.1	4.4
			8:11	3.3	2.3	27.30		8.35		25.80		82.10		6.19		5.07		4.6	
			8:25	3.5	2.5	27.80	27.75	8.40	8.40	24.24	24.20	94.20	94.85	6.67	6.71	4.21	4.11	2.8	2.6
	13/6/2024	Cloudy	8:26	3.5	2.5	27.70		8.39		24.15		95.50		6.75		4.01		2.4	
			8:26	3.5	2.5	27.70		8.39		24.15		95.50		6.75		4.01		2.4	
			8:26	3.5	2.5	27.70		8.39		24.15		95.50		6.75		4.01		2.4	
	15/6/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
	17/6/2024	Fine	16:03	3.5	2.5	28.60	28.60	8.35	8.36	22.84	22.89	84.40	83.80	6.16	6.14	4.86	4.89	2.9	3.0
			16:04	3.5	2.5	28.60		8.36		22.83		83.20		6.12		4.92		3.0	
			17:41	3.2	2.2	28.60	28.65	8.44	8.43	21.39	21.47	86.10	85.95	6.36	6.34	6.57	6.60	3.2	3.4
	19/6/2024	Cloudy	17:42	3.2	2.2	28.70		8.42		21.54		85.80		6.31		6.62		3.6	
			18:04	3.3	2.3	29.50	29.55	8.73	8.73	18.52	18.98	93.20	94.45	6.58	6.66	8.02	8.10	2.8	2.7
			18:05	3.3	2.3	29.60		8.73		19.44		95.70		6.74		8.17		2.6	
	24/6/2024	Fine	7:17	3.5	2.5	28.50	28.45	8.65	8.65	21.84	21.91	88.80	89.00	6.20	6.23	8.86	8.71	6.8	7.2
			7:18	3.5	2.5	28.40		8.64		21.98		89.20		6.25		8.56		7.6	
			8:02	3.4	2.4	28.60	28.70	8.47	8.47	18.63	18.58	86.80	87.15	6.61	6.64	4.36	4.31	4.6	4.4
	26/6/2024	Fine	8:03	3.4	2.4	28.80		8.47		18.52		87.50		6.66		4.25		4.1	
			10:06	3.5	2.5	27.20	27.25	8.47	8.48	17.34	17.26	88.90	88.00	6.43	6.39	6.53	6.33	2.6	3.1
			10:07	3.5	2.5	27.30		8.48		17.17		87.10		6.35		6.13		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.



Lam Environmental Services Limited

Contract No. SD 15/2022
Outlying Island Sewerage Stage 2 – South Lantau Sewage Works –
Environmental Team Services (2023 – 2024)

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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS	
						°C		-		ppt		%		mg/L		NTU		mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR5	3/6/2024	Cloudy	9:38	3.9	1.0	26.30	26.35	8.34	8.34	27.15	27.08	82.10	81.95	6.19	6.19	3.64	3.60	4.6	4.5
			9:39	3.9	1.0	26.40		8.32		27.01		81.80		6.18		3.56		4.3	
	5/6/2024	Cloudy	11:10	4.3	1.0	25.90	25.85	8.32	8.32	29.13	29.02	83.40	83.45	6.22	6.23	3.94	3.79	5.0	5.2
			11:11	4.3	1.0	25.80		8.31		28.91		83.50		6.23		3.64		5.4	
	7/6/2024	Cloudy	12:22	4.6	1.0	26.20	26.20	8.32	8.33	26.42	26.36	83.00	82.55	6.20	6.19	5.17	5.03	2.6	2.8
			12:23	4.6	1.0	26.20		8.33		26.30		82.10		6.18		4.89		2.9	
	11/6/2024	Fine	17:08	4.2	1.0	27.70	27.65	8.37	8.37	25.46	25.54	81.80	82.20	6.14	6.15	5.02	4.96	1.7	1.8
			15:35	4.2	1.0	27.60		8.36		25.61		82.60		6.16		4.89		1.9	
	13/6/2024	Cloudy	17:08	4.2	1.0	27.70	27.75	8.43	8.43	24.57	24.50	90.30	91.15	6.62	6.66	3.87	4.06	2.3	2.5
			17:09	4.2	1.0	27.80		8.43		24.43		92.00		6.70		4.25		2.6	
	15/6/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
	17/6/2024	Fine	9:22	4.0	1.0	28.00	27.95	8.35	8.35	22.41	22.37	84.30	84.45	6.11	6.12	5.36	5.25	5.4	4.9
			9:23	3.9	1.0	27.90		8.34		22.33		84.60		6.12		5.14		4.4	
	19/6/2024	Cloudy	10:17	4.0	1.0	29.30	29.30	8.64	8.65	15.23	15.19	87.50	87.15	6.21	6.20	6.12	6.00	2.6	2.7
			10:18	4.0	1.0	29.30		8.66		15.15		86.80		6.18		5.87		2.7	
	21/6/2024	Cloudy	11:32	4.0	1.0	29.30	29.20	8.71	8.71	17.96	18.04	91.70	91.65	6.96	6.56	7.89	7.73	3.2	3.5
			11:33	4.0	1.0	29.10		8.70		18.12		91.60		6.96		7.56		3.6	
	24/6/2024	Fine	13:56	4.3	1.0	27.70	27.70	8.35	8.35	22.56	22.51	90.00	90.80	6.75	6.81	6.17	6.08	44.8	52.3
			13:57	4.3	1.0	27.70		8.35		22.46		91.60		6.86		5.99		59.8	
	26/6/2024	Fine	15:25	4.1	1.0	28.60	28.60	8.53	8.52	20.14	20.02	84.40	84.35	6.53	6.53	4.15	4.26	3.7	3.9
			15:26	4.1	1.0	28.60		8.50		19.90		84.30		6.53		4.37		4.0	
	28/6/2024	Cloudy	16:57	4.1	1.0	27.30	27.30	8.35	8.36	16.52	16.58	89.50	87.90	6.46	6.41	3.60	3.55	2.8	4.0
			16:58	4.1	1.0	27.30		8.36		16.64		86.30		6.35		3.49		5.1	

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



Lam Environmental Services Limited

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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS	
						°C		-		ppt		%		mg/L		NTU		mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR5	3/6/2024	Cloudy	15:59	3.5	1.0	26.80	26.75	8.38	8.38	26.37	26.28	80.10	81.05	6.07	6.10	3.97	4.05	4.0	3.8
			16:00	3.5	1.0	26.70		8.37		26.19		82.00		6.12		4.13		3.6	
	5/6/2024	Cloudy	18:05	3.8	1.0	25.70	25.65	8.38	8.37	29.10	29.15	81.40	81.65	6.10	6.12	4.57	4.35	3.9	3.8
			18:06	3.8	1.0	25.60		8.36		29.19		81.90		6.13		4.12		3.6	
	7/6/2024	Cloudy	18:09	3.7	1.0	26.40	26.45	8.35	8.36	28.63	28.60	87.30	87.35	6.36	6.37	5.68	5.83	1.9	1.9
			18:10	3.7	1.0	26.50		8.36		28.57		87.40		6.37		5.97		1.8	
	11/6/2024	Fine	8:17	3.9	1.0	27.50	27.45	8.34	8.34	26.13	26.06	82.70	82.55	6.21	6.20	4.13	4.21	3.0	3.2
			8:18	3.9	1.0	27.40		8.34		25.99		82.40		6.19		4.29		3.3	
	13/6/2024	Cloudy	8:32	3.9	1.0	27.90	27.90	8.40	8.41	22.87	22.94	92.10	92.65	6.56	6.66	4.83	4.94	3.6	3.4
			8:33	3.9	1.0	27.90		8.41		23.00		93.20		6.75		5.04		3.2	
	15/6/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
	17/6/2024	Fine	15:51	3.7	1.0	28.50	28.45	8.40	8.41	20.59	20.63	86.30	86.85	6.19	6.21	3.98	4.11	2.6	2.7
			15:52	3.7	1.0	28.40		8.41		20.67		87.40		6.22		4.24		2.8	
	19/6/2024	Cloudy	17:29	3.6	1.0	29.40	29.30	8.59	8.60	15.70	15.65	87.80	87.55	6.43	6.38	5.02	4.95	4.3	4.6
			17:30	3.6	1.0	29.20		8.60		15.59		87.30		6.33		4.87		4.8	
	21/6/2024	Cloudy	17:53	3.5	1.0	29.50	29.45	8.81	8.81	18.46	18.48	91.30	89.85	6.41	6.33	6.54	6.39	3.2	3.1
			17:54	3.5	1.0	29.40		8.80		18.50		88.40		6.24		6.24		2.9	
	24/6/2024	Fine	7:25	4.1	1.0	28.30	28.30	8.59	8.60	21.99	21.95	93.30	92.25	6.54	6.52	7.79	7.91	3.9	4.3
			7:26	4.1	1.0	28.30		8.61		21.90		91.20		6.49		8.02		4.7	
	26/6/2024	Fine	8:10	3.8	1.0	28.70	28.70	8.49	8.49	17.20	17.31	90.50	89.45	6.74	6.72	3.81	3.74	3.8	3.6
			8:11	3.8	1.0	28.70		8.49		17.41		88.40		6.69		3.67		3.4	
	28/6/2024	Cloudy	10:14	3.8	1.0	27.20	27.20	8.47	8.47	17.09	17.10	88.80	87.70	6.55	6.49	4.79	4.96	4.9	4.3
			10:15	3.8	1.0	27.20		8.47		17.10		86.60		6.42		5.12		3.7	

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 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
SR5	3/6/2024	Cloudy	9:40	3.9	2.9	26.40	26.35	8.35	8.35	28.37	28.41	78.80	80.15	6.06	6.12	3.09	3.17	6.7	6.9
			9:41	3.9	2.9	26.30		8.34		28.45		81.50		6.17		3.25		7.1	
	5/6/2024	Cloudy	11:13	4.3	3.3	25.80	25.85	8.36	8.36	29.01	28.99	83.60	83.80	6.15	6.18	4.02	4.14	4.5	4.4
			11:14	4.3	3.3	25.90		8.35		28.96		84.00		6.20		4.25		4.2	
	7/6/2024	Cloudy	12:25	4.6	3.6	26.30	26.30	8.33	8.34	26.60	26.67	82.80	82.75	6.19	6.19	4.04	4.15	3.3	3.2
			12:26	4.6	3.6	26.30		8.34		26.60		82.70		6.18		4.26		4.0	
	11/6/2024	Fine	15:37	4.2	3.2	27.50	27.55	8.36	8.37	25.82	25.77	81.90	81.75	6.14	6.13	5.18	5.28	3.3	3.2
			15:38	4.2	3.2	27.60		8.37		25.71		81.60		6.12		5.37		3.0	
	13/6/2024	Cloudy	17:11	4.2	3.2	27.60	27.60	8.41	8.42	24.73	24.66	95.20	93.95	6.72	6.64	4.37	4.22	3.6	3.8
			17:12	4.2	3.2	27.60		8.42		24.59		92.70		6.56		4.07		4.0	
	15/6/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
	17/6/2024	Fine	9:24	4.0	2.9	27.80	27.80	8.33	8.33	23.71	23.69	80.20	79.80	6.01	5.99	5.67	5.77	4.4	3.7
			9:25	3.9	2.9	27.80		8.33		23.66		79.40		5.96		5.86		3.0	
	19/6/2024	Cloudy	10:20	4.0	3.0	28.50	28.45	8.25	8.26	22.88	22.85	89.20	88.65	6.37	6.35	6.47	6.60	5.4	5.2
			10:21	4.0	3.0	28.40		8.26		22.81		88.10		6.33		6.73		5.0	
	21/6/2024	Cloudy	11:35	4.0	3.0	29.30	29.30	8.70	8.70	18.56	18.50	89.90	90.35	6.47	6.50	8.12	8.41	3.8	4.0
11:36			4.0	3.0	29.30		8.70		18.43		90.80		6.52		8.69		4.1		
24/6/2024	Fine	13:59	4.3	3.3	27.70	27.75	8.36	8.36	22.56	22.47	88.90	89.55	6.33	6.37	4.55	4.60	17.7	24.4	
		14:00	4.3	3.3	27.80		8.36		22.38		90.20		6.40		4.64		31.0		
26/6/2024	Fine	15:28	4.1	3.1	28.70	28.65	8.54	8.54	19.37	19.45	88.40	88.90	6.61	6.64	4.49	4.36	3.1	3.3	
		15:29	4.1	3.1	28.60		8.53		19.53		89.40		6.66		4.23		3.5		
28/6/2024	Cloudy	17:00	4.1	3.1	26.60	26.65	8.25	8.25	22.25	22.35	90.10	90.15	6.53	6.54	4.73	4.84	5.2	5.8	
		17:01	4.1	3.1	26.70		8.24		22.45		90.20		6.54		4.94		6.3		

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



Impact Water Quality Monitoring at Station SR5 (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
SR5	3/6/2024	Cloudy	16:01	3.5	2.5	26.50	26.45	8.31	8.32	28.31	28.38	81.90	82.25	6.14	6.15	3.21	3.32	6.2	6.5
			16:02	3.5	2.5	26.40		8.33		28.45		82.60		6.16		3.42		6.8	
	5/6/2024	Cloudy	18:07	3.8	2.8	25.60	25.65	8.36	8.37	28.37	28.27	84.00	83.80	6.18	6.17	4.67	4.81	4.4	4.2
			18:08	3.8	2.8	25.70		8.37		28.17		83.60		6.15		4.94		4.0	
	7/6/2024	Cloudy	18:11	3.7	2.7	26.30	26.35	8.37	8.37	28.49	28.56	82.80	82.90	6.22	6.23	5.84	5.89	2.2	2.2
			18:12	3.7	2.7	26.40		8.37		28.49		82.80		6.22		5.94		2.2	
	11/6/2024	Fine	8:19	3.9	2.9	27.40	27.40	8.33	8.34	26.12	26.01	80.10	81.05	6.07	6.10	4.67	4.62	3.8	4.0
			8:20	3.9	2.9	27.40		8.34		25.89		82.00		6.12		4.56		4.2	
	13/6/2024	Cloudy	8:34	3.9	2.9	27.80	27.80	8.40	8.40	24.05	24.08	93.00	92.75	6.57	6.56	5.36	5.24	2.6	2.5
			8:35	3.9	2.9	27.80		8.39		24.11		92.50		6.55		5.12		2.3	
	15/6/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
	17/6/2024	Fine	15:53	3.7	2.7	28.40	28.40	8.36	8.36	22.91	22.97	84.60	84.45	6.16	6.15	4.73	4.65	3.8	3.8
			15:54	3.7	2.7	28.40		8.36		23.02		84.30		6.14		4.56		3.8	
	19/6/2024	Cloudy	17:31	3.6	2.6	28.40	28.40	8.44	8.40	21.74	21.72	91.10	91.05	6.90	6.90	5.47	5.55	3.7	3.8
			17:32	3.6	2.6	28.40		8.36		21.69		91.00		6.89		5.62		3.8	
	21/6/2024	Cloudy	17:55	3.5	2.5	29.50	29.50	8.72	8.73	19.54	19.44	90.80	92.20	6.39	6.49	7.42	7.63	3.6	3.7
			17:56	3.5	2.5	29.50		8.74		19.34		93.60		6.59		7.84		3.7	
	24/6/2024	Fine	7:28	4.1	3.1	28.40	28.35	8.58	8.58	22.01	21.92	90.20	89.80	6.44	6.42	7.36	7.30	5.0	4.7
7:29			4.1	3.1	28.30	8.58		21.83		89.40		6.40		7.24		4.3			
26/6/2024	Fine	8:12	3.8	2.8	28.70	28.75	8.47	8.47	19.00	18.92	88.10	87.10	6.35	6.29	3.99	4.12	3.1	3.3	
		8:13	3.8	2.8	28.80		8.46		18.84		86.10		6.22		4.25		3.5		
28/6/2024	Cloudy	10:16	3.8	2.8	27.20	27.25	8.50	8.50	17.25	17.15	93.30	93.50	6.80	6.81	4.67	4.46	4.7	4.5	
		10:17	3.8	2.8	27.30		8.49		17.04		93.70		6.82		4.25		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 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
						°C		-		ppt		%		mg/L		NTU		mg/L	
SR6	3/6/2024	Cloudy	9:47	2.5	1.3	26.60		8.30		26.74		83.10		6.18		6.14		4.56	
			9:48	2.5	1.3	26.50	26.55	8.31	8.31	26.83	26.79	82.30	82.70	6.09		4.37		1.5	1.4
			11:20	2.7	1.4	25.90	25.85	8.34	8.35	28.98	28.96	83.90	83.85	6.21	6.21	5.13	5.35	2.6	2.8
	5/6/2024	Cloudy	11:21	2.7	1.4	25.80		8.35		28.93		83.80		6.21		5.56		3.0	
			12:31	2.8	1.4	26.20	26.15	8.34	8.34	26.89	26.81	83.60	83.35	6.20	6.19	3.26	3.37	3.2	3.0
	7/6/2024	Cloudy	12:32	2.8	1.4	26.10		8.33		26.73		83.10		6.18		3.47		2.8	
			15:26	2.8	1.4	27.40	27.45	8.37	8.37	25.87	25.83	81.60	81.80	6.16	6.18	4.22	4.45	1.2	1.3
	11/6/2024	Fine	15:27	2.8	1.4	27.50		8.36		25.79		82.00		6.19		4.68		1.3	
			16:57	2.6	1.3	28.00	28.00	8.42	8.43	24.01	23.95	91.50	91.30	6.53	6.53	5.16	5.03	1.3	1.5
	13/6/2024	Cloudy	16:58	2.6	1.3	28.00		8.43		23.89		91.10		6.52		4.90		1.6	
			15/6/2024	WQM was cancelled due to adverse weather															
	15/6/2024	Amber Rainstorm																	
			9:32	2.5	1.3	28.10	28.10	8.36	8.36	21.44	21.39	87.80	88.05	6.23	6.26	6.22	6.32	2.8	3.8
	17/6/2024	Fine	9:33	2.6	1.3	28.10		8.35		21.34		88.30		6.29		6.42		4.8	
			10:28	2.5	1.3	29.10	29.05	8.67	8.67	15.16	15.13	86.80	86.55	6.19	6.18	5.76	5.58	3.3	4.3
	19/6/2024	Cloudy	10:29	2.5	1.3	29.00		8.67		15.09		86.30		6.17		5.40		5.2	
			11:41	2.6	1.3	29.60	29.55	8.74	8.74	18.97	18.95	89.20	87.80	6.26	6.24	6.09	6.27	3.3	3.5
	21/6/2024	Cloudy	11:42	2.6	1.3	29.50		8.73		18.92		87.40		6.21		6.45		3.7	
			13:45	2.9	1.5	28.00	27.95	8.37	8.37	22.73	22.66	91.40	90.55	6.54	6.51	5.41	5.23	18.2	18.6
	24/6/2024	Fine	13:46	2.9	1.5	27.90		8.36		22.59		89.70		6.48		5.04		19.0	
			15:14	2.7	1.4	28.50	28.50	8.51	8.50	20.24	20.13	90.70	88.95	6.63	6.54	5.12	5.43	2.8	3.0
	26/6/2024	Fine	15:15	2.7	1.4	28.50		8.49		20.01		87.20		6.45		5.73		3.2	
			16:47	2.8	1.4	27.30	27.35	8.36	8.36	16.36	16.28	85.60	86.35	6.24	6.26	5.00	5.24	2.6	2.8
	28/6/2024	Cloudy	16:48	2.8	1.4	27.40		8.35		16.20		87.10		6.27		5.47		3.0	

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

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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH -		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						°C		-		ppt		%		mg/L		NTU		mg/L	
SR6	3/6/2024	Cloudy	15:49	2.2	1.1	26.10	26.05	8.36	8.37	26.34	26.31	82.00	81.65	6.13	6.11	4.12	4.30	3.3	3.5
			15:50	2.2	1.1	26.00		8.37		26.28		81.30		6.09		4.47		3.6	
			17:54	2.4	1.2	25.70	25.75	8.37	8.37	29.31	29.30	81.20	81.60	6.24	6.26	5.12	5.05	4.6	4.8
	5/6/2024	Cloudy	17:55	2.4	1.2	25.80		8.36		29.29		82.00		6.27		4.97		5.0	
			17:59	2.2	1.1	26.40	26.35	8.39	8.39	29.11	29.01	80.40	81.20	6.14	6.16	5.42	5.33	1.9	1.8
	7/6/2024	Cloudy	18:00	2.2	1.1	26.30		8.38		28.91		82.00		6.18		5.23		1.7	
			8:27	2.6	1.3	27.30	27.25	8.34	8.34	25.84	25.77	80.10	80.60	6.06	6.09	3.82	3.88	3.8	3.9
	11/6/2024	Fine	8:28	2.6	1.3	27.20		8.33		25.69		81.10		6.11		3.94		4.0	
			8:42	2.3	1.2	28.10	28.05	8.40	8.41	22.83	22.81	94.00	93.90	6.43	6.42	4.25	4.18	2.0	2.2
	13/6/2024	Cloudy	8:43	2.3	1.2	28.00		8.41		22.79		93.80		6.41		4.10		2.4	
			15/6/2024	WQM was cancelled due to adverse weather															
	15/6/2024	Amber Rainstorm																	
			15:42	2.4	1.2	28.70	28.65	8.36	8.37	22.56	22.34	83.70	83.80	6.12	6.14	4.53	4.39	4.6	5.0
	17/6/2024	Fine	15:43	2.4	1.2	28.60		8.37		22.12		83.90		6.15		4.24		5.4	
			17:20	2.2	1.1	29.20	29.15	8.62	8.59	18.41	18.21	91.80	92.05	6.90	6.91	4.36	4.30	4.8	4.8
	19/6/2024	Cloudy	17:21	2.2	1.1	29.10		8.56		18.00		92.30		6.92		4.24		4.7	
			17:43	2.2	1.1	29.60	29.50	8.80	8.81	19.60	19.56	97.60	96.95	6.87	6.84	7.23	7.11	6.2	6.0
	21/6/2024	Cloudy	17:44	2.2	1.1	29.40		8.81		19.51		96.30		6.80		6.99		5.8	
			7:35	2.7	1.4	28.70	28.70	8.63	8.63	21.24	21.15	90.10	89.65	6.28	6.27	7.51	7.48	5.2	4.8
	24/6/2024	Fine	7:36	2.7	1.4	28.70		8.62		21.06		89.20		6.25		7.45		4.4	
			8:20	2.4	1.2	28.90	28.90	8.49	8.50	17.12	17.20	88.70	89.35	6.61	6.66	4.41	4.21	3.2	2.9
	26/6/2024	Fine	8:21	2.4	1.2	28.90		8.50		17.27		90.00		6.70		4.01		2.6	
			10:23	2.5	1.3	27.50	27.45	8.50	8.49	17.10	17.05	87.60	89.25	6.39	6.52	6.98	6.86	4.6	4.4
	28/6/2024	Cloudy	10:24	2.5	1.3	27.40		8.48		17.00		90.90		6.64		6.74		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 SR9 (surface) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS	
						°C						%		mg/L		NTU			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR9	3/6/2024	Cloudy	10:03	3.8	1.0	26.20	26.25	8.36	8.37	26.17	26.08	81.80	82.15	6.14	6.15	5.42	5.27	3.2	3.1
			10:04	3.8	1.0	26.30		8.37		25.99		82.50		6.16		5.11		3.0	
			11:35	4.3	1.0	25.90	25.85	8.37	8.37	28.42	28.38	83.90	83.70	6.21	6.20	4.12	4.35	7.1	7.3
	5/6/2024	Cloudy	11:36	4.3	1.0	25.80		8.36		28.33		83.50		6.19		4.12		7.5	
			12:47	4.3	1.0	26.20	26.20	8.35	8.35	29.99	29.98	84.10	83.95	6.26	6.24	4.94	4.90	4.0	4.2
			12:48	4.3	1.0	26.20		8.35		29.97		83.80		6.22		4.85		4.3	
	7/6/2024	Cloudy	12:47	4.3	1.0	26.20		8.35		29.99		84.10		6.26		4.94		4.0	
			12:48	4.3	1.0	26.20		8.35		29.97		83.80		6.22		4.85		4.3	
			15:09	4.0	1.0	27.70	27.65	8.37	8.38	26.25	26.12	86.30	85.25	6.31	6.29	6.25	6.13	1.2	1.3
	11/6/2024	Fine	15:10	4.0	1.0	27.60		8.38		25.98		84.20		6.27		6.01		1.4	
			16:42	4.1	1.0	27.40	27.40	8.39	8.39	24.73	24.65	97.70	96.70	6.83	6.77	4.62	4.53	3.5	3.3
			16:43	4.1	1.0	27.40		8.38		24.56		95.70		6.70		4.44		3.1	
	15/6/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
	17/6/2024	Fine	9:50	3.9	1.0	28.30	28.25	8.34	8.34	20.24	20.19	82.10	83.35	6.19	6.22	6.63	6.52	5.3	5.3
			9:51	4.0	1.0	28.20		8.34		20.14		84.60		6.24		6.41		5.2	
			10:43	3.9	1.0	29.50	29.45	8.63	8.63	16.21	16.12	93.20	92.10	6.85	6.76	5.72	5.39	3.9	3.2
	19/6/2024	Cloudy	10:44	3.9	1.0	29.40		8.62		16.02		91.00		6.66		5.43		2.4	
			11:58	4.1	1.0	29.00	28.95	8.52	8.53	20.51	20.48	94.10	94.35	6.58	6.59	7.24	7.11	3.2	3.0
			11:59	4.1	1.0	28.90		8.54		20.44		94.60		6.60		6.98		2.8	
	21/6/2024	Cloudy	13:19	4.3	1.0	28.40	28.45	8.36	8.36	25.94	26.04	95.60	95.85	6.51	6.53	4.36	4.42	10.5	8.5
			13:20	4.3	1.0	28.50		8.35		26.13		96.10		6.55		4.47		6.5	
			14:58	4.0	1.0	29.10	29.05	8.64	8.64	19.32	19.22	87.70	88.20	6.58	6.60	5.13	5.04	3.9	3.7
	26/6/2024	Fine	14:59	4.0	1.0	29.00		8.63		19.11		88.70		6.62		4.95		3.4	
			16:30	4.1	1.0	27.60	27.55	8.50	8.51	16.92	17.02	87.20	86.80	6.29	6.22	6.37	6.20	2.4	2.8
			16:31	4.1	1.0	27.50		8.52		17.12		86.40		6.14		6.02		3.2	

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



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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L		
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	
SR9	3/6/2024	Cloudy	15:34	3.5	1.0	26.50	26.55	8.35	8.35	26.93	26.90	81.80	82.50	6.11	6.15	5.37	5.23	3.2	3.4	
			15:35	3.5	1.0	26.60		8.35		26.87		83.20		6.18		5.09		3.5		
			17:37	3.9	1.0	25.60		8.38		28.57		83.40		6.19		6.02		4.9		
	5/6/2024	Cloudy	17:38	3.9	1.0	25.70	25.65	8.37	8.38	28.59	28.58	83.10	83.25	6.18	6.19	5.73	5.88	4.6	4.8	
			17:42	3.6	1.0	26.60		8.39		30.10		80.20		6.17		4.98		3.2		
			17:43	3.6	1.0	26.50		8.39		29.87		81.20		6.19		4.90		3.4		
	7/6/2024	Cloudy	8:43	3.8	1.0	27.40	27.35	8.35	8.35	25.98	25.90	82.10	82.05	6.19	6.19	4.89	4.98	1.5	1.5	
			8:44	3.8	1.0	27.30		8.34		25.81		82.00		6.19		5.07		1.4		
			8:58	3.8	1.0	27.70		8.40		24.35		96.60		6.70		5.73		2.4		
	13/6/2024	Cloudy	8:59	3.8	1.0	27.60	27.65	8.41	8.41	24.32	24.34	97.90	97.25	6.80	6.75	5.52	5.63	2.6	2.5	
			8:59	3.8	1.0	27.60		8.41		24.32		97.90		6.80		5.52		2.6		
			8:59	3.8	1.0	27.60		8.41		24.32		97.90		6.80		5.52		2.6		
	15/6/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																	
	17/6/2024	Fine	15:26	3.6	1.0	28.00	27.95	8.39	8.39	22.02	22.08	82.90	84.30	6.19	6.21	5.43	5.32	4.2	4.2	
			15:27	3.6	1.0	27.90		8.38		22.02		85.70		6.22		5.20		4.2		
			17:05	3.4	1.0	29.30		8.47		18.94		86.30		6.67		4.56		4.0		
	19/6/2024	Cloudy	17:06	3.4	1.0	29.10	29.20	8.50	8.49	18.98	18.96	89.60	87.95	6.68	6.78	4.21	4.39	3.8	3.9	
			17:06	3.4	1.0	29.10		8.50		18.98		89.60		6.67		4.21		3.8		
			17:06	3.4	1.0	29.10		8.50		18.98		89.60		6.67		4.21		3.8		
	21/6/2024	Cloudy	17:27	3.6	1.0	29.60	29.70	8.82	8.83	17.92	17.90	98.90	98.75	6.95	6.92	7.84	7.65	3.8	3.8	
			17:28	3.6	1.0	29.80		8.83		17.88		98.60		6.89		7.45		3.7		
			17:28	3.6	1.0	29.80		8.83		17.88		98.60		6.89		7.45		3.7		
	24/6/2024	Fine	7:50	4.2	1.0	28.30	28.25	8.40	8.40	23.94	23.88	85.20	83.50	6.24	6.22	7.56	7.49	4.7	5.1	
26/6/2024	Fine	7:51	4.2	1.0	28.20	28.25	8.40	8.40	23.81	23.81	81.80	83.50	6.24	6.22	7.42	7.42	5.4	5.4		
		8:36	3.7	1.0	29.30		8.63		19.12		90.30		90.15		6.71		7.24		4.11	2.8
		8:37	3.7	1.0	29.20		8.63		19.09		90.30		90.15		6.70		7.24		4.11	2.8
28/6/2024	Cloudy	10:39	3.8	1.0	27.50	27.55	8.50	8.50	16.73	16.71	91.00	92.65	6.63	6.70	6.25	6.25	2.8	2.8		
		10:40	3.8	1.0	27.60		8.49		16.69		94.30		92.65		6.77		6.97		3.0	
		10:40	3.8	1.0	27.60		8.49		16.69		94.30		92.65		6.77		6.97		3.0	



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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS	
						Value	AVG	Value	AVG	Value	ppt	Value	%	Value	mg/L	Value	NTU	Value	mg/L
SR9	3/6/2024	Cloudy	10:05	3.8	2.8	26.40	26.35	8.37	8.37	26.22	26.30	81.60	81.75	6.12	6.13	3.98	4.12	3.9	4.0
			10:06	3.8	2.8	26.30		8.37		26.37		81.90		6.13		4.25		4.1	
			11:38	4.3	3.3	25.90	25.90	8.37	8.37	28.42	28.50	83.90	83.40	6.22	6.19	4.76	4.89	7.9	8.1
	5/6/2024	Cloudy	11:39	4.3	3.3	25.90		8.36		28.57		83.00		6.16		5.01		8.2	
			12:50	4.3	3.3	26.30	26.25	8.37	8.37	30.25	30.20	84.00	83.75	6.24	6.22	5.13	5.25	3.6	3.7
			12:51	4.3	3.3	26.20		8.36		30.15		83.50		6.19		5.37		3.8	
	7/6/2024	Cloudy	15:12	4.0	3.0	27.70	27.70	8.38	8.38	26.64	26.73	84.00	83.80	6.25	6.22	5.88	5.95	1.6	1.7
			15:13	4.0	3.0	27.70		8.38		26.81		83.60		6.18		6.01		1.8	
			16:45	4.1	3.1	27.40	27.45	8.39	8.39	25.80	25.70	96.20	95.70	6.83	6.79	5.76	5.79	4.4	4.7
	13/6/2024	Cloudy	16:46	4.1	3.1	27.50		8.39		25.59		95.20		6.75		5.81		4.9	
	15/6/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
	17/6/2024	Fine	9:53	3.9	3.0	28.10	28.10	8.36	8.37	22.25	22.31	80.20	82.40	6.18	6.16	6.02	6.22	4.4	4.5
			9:54	4.0	3.0	28.10		8.37		22.37		84.60		6.14		6.41		4.5	
			10:45	3.9	2.9	28.10	28.15	8.21	8.22	24.52	24.57	84.20	84.60	6.42	6.45	5.02	5.13	1.7	2.6
	19/6/2024	Cloudy	10:46	3.9	2.9	28.20		8.22		24.62		85.00		6.47		5.24		3.5	
			12:01	4.1	3.1	28.00	28.00	8.31	8.31	25.18	25.20	90.10	91.15	6.39	6.42	5.42	6.52	2.3	2.2
			12:02	4.1	3.1	28.00		8.31		25.21		92.20		6.45		6.62		2.1	
24/6/2024	Fine	13:22	4.3	3.3	27.60	27.65	8.35	8.35	26.69	26.61	89.80	90.55	6.48	6.56	5.12	5.11	12.6	12.8	
		13:23	4.3	3.3	27.70		8.34		26.53		91.30		6.64		5.10		13.0		
		15:01	4.0	3.0	29.30	29.30	8.65	8.65	19.35	19.46	89.60	88.60	6.83	6.81	5.12	5.31	4.2	4.6	
26/6/2024	Fine	15:02	4.0	3.0	29.30		8.65		19.56		87.60		6.78		5.49		4.9		
28/6/2024	Cloudy	16:33	4.1	3.1	27.30	27.35	8.33	8.32	20.73	20.69	91.20	90.20	6.60	6.53	4.37	4.53	4.3	4.8	
		16:34	4.1	3.1	27.40		8.31		20.65		89.20		6.45		4.69		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 SR9 (Bottom) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS	
						°C						%		mg/L		NTU		mg/L	
						Value	AVG	Value	AVG	Value	ppt	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR9	3/6/2024	Cloudy	15:36	3.5	2.5	26.50	26.60	8.34	8.35	26.57	26.61	80.10	80.60	6.07	6.10	4.64	4.51	4.2	4.0
			15:37	3.5	2.5	26.70		8.35		26.64		81.10		6.12		4.37		3.8	
	5/6/2024	Cloudy	17:39	3.9	2.9	25.80	25.75	8.37	8.38	28.61	28.66	82.20	82.65	6.13	6.16	5.01	5.24	6.9	6.8
			17:40	3.9	2.9	25.70		8.38		28.71		83.10		6.18		5.47		6.6	
	7/6/2024	Cloudy	17:44	3.6	2.6	26.50	26.35	8.40	8.40	30.03	30.14	84.40	83.60	6.27	6.24	5.23	5.29	4.6	4.5
			17:45	3.6	2.6	26.20		8.40		30.24		82.80		6.20		5.34		4.3	
	11/6/2024	Fine	8:45	3.8	2.8	27.30	27.25	8.35	8.35	26.37	26.40	81.80	81.85	6.18	6.19	5.27	5.20	2.5	2.4
			8:46	3.8	2.8	27.20		8.35		26.43		81.90		6.19		5.12		2.3	
	13/6/2024	Cloudy	9:00	3.8	2.8	27.80	27.75	8.41	8.41	25.14	25.13	94.40	94.90	6.60	6.62	6.11	6.18	4.3	4.1
			9:01	3.8	2.8	27.70		8.41		25.11		95.40		6.64		6.24		3.9	
	15/6/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
	17/6/2024	Fine	15:28	3.6	2.6	27.80	27.80	8.35	8.36	23.85	23.89	85.00	85.65	6.18	6.21	4.67	4.79	2.7	2.7
			15:29	3.6	2.6	27.80		8.36		23.92		86.30		6.23		4.91		2.6	
	19/6/2024	Cloudy	17:07	3.4	2.4	28.50	28.55	8.32	8.31	25.36	25.30	83.60	84.10	6.60	6.63	4.78	4.89	3.2	3.0
			17:08	3.4	2.4	28.60		8.30		25.23		84.60		6.66		5.00		2.8	
	21/6/2024	Cloudy	17:29	3.6	2.6	29.00	29.15	8.57	8.57	21.36	21.32	91.20	91.85	6.44	6.47	7.06	7.21	3.2	3.1
			17:30	3.6	2.6	29.30		8.57		21.28		92.50		6.50		7.36		3.0	
24/6/2024	Fine	7:53	4.2	3.2	27.50	27.55	8.32	8.33	26.43	26.36	87.50	87.65	6.35	6.36	6.98	7.05	15.6	12.1	
		7:54	4.2	3.2	27.60		8.34		26.28		87.80		6.36		7.12		8.6		
26/6/2024	Fine	8:38	3.7	2.7	29.10	29.15	8.60	8.61	19.72	19.80	89.00	88.60	6.61	6.58	4.73	4.65	2.2	2.3	
		8:39	3.7	2.7	29.20		8.61		19.87		88.20		6.54		4.73		2.2		
28/6/2024	Cloudy	10:41	3.8	2.8	27.20	27.25	8.37	8.37	19.25	19.34	90.60	89.65	6.60	6.53	6.47	6.60	2.8	3.2	
		10:42	3.8	2.8	27.30		8.36		19.42		88.70		6.46		6.73		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 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
						°C		-		ppt		%		mg/L		NTU		mg/L	
SR10	3/6/2024	Cloudy	10:12	2.6	1.3	26.50		8.37	8.38	26.41	26.37	83.90	83.85	6.24	6.24	5.37	5.52	3.9	4.0
			10:13	2.6	1.3	26.60		8.39		26.33		83.80		6.24		5.67		4.0	
			11:43	2.7	1.4	25.70	25.80	8.38	8.39	28.30	28.26	82.90	83.45	6.20	6.24	5.86	5.77	5.3	5.4
	5/6/2024	Cloudy	11:44	2.7	1.4	25.90		8.39		28.21		84.10		6.27		5.67		5.5	
			12:56	2.9	1.5	26.30	26.30	8.35	8.36	30.24	30.15	83.50	84.15	6.20	6.24	5.41	5.33	3.8	3.7
			12:57	2.9	1.5	26.30		8.36		30.06		84.80		6.27		5.24		3.5	
	7/6/2024	Cloudy	14:58	2.7	1.4	27.80	27.70	8.38	8.38	26.43	26.28	83.90	83.80	6.16	6.15	5.07	5.16	3.2	3.4
			14:59	2.7	1.4	27.60		8.37		26.13		83.70		6.14		5.24		3.6	
			16:33	2.7	1.4	27.60	27.60	8.40	8.40	25.80	25.79	92.90	92.35	6.55	6.50	4.59	4.52	2.4	2.3
	13/6/2024	Cloudy	16:34	2.7	1.4	27.60		8.39		25.77		91.80		6.44		4.44		2.1	
			15/6/2024	WQM was cancelled due to adverse weather															
			15/6/2024	WQM was cancelled due to adverse weather															
	17/6/2024	Fine	10:00	2.5	1.3	28.10	28.05	8.36	8.36	21.65	21.65	85.20	84.15	6.20	6.16	4.73	4.65	5.1	5.1
			10:01	2.5	1.3	28.00		8.35		21.64		83.10		6.12		4.56		5.0	
			10:53	2.5	1.3	28.80	28.80	8.39	8.40	20.79	20.81	86.30	86.95	6.67	6.78	7.02	6.88	3.3	3.5
	19/6/2024	Cloudy	10:54	2.5	1.3	28.90		8.40		20.83		87.60		6.99		6.73		3.6	
			12:07	2.7	1.4	29.40	29.35	8.64	8.65	18.36	18.31	97.70	97.25	6.95	6.93	7.47	7.36	2.7	2.8
			12:08	2.7	1.4	29.30		8.66		18.25		96.80		6.90		7.25		2.8	
	21/6/2024	Cloudy	13:20	2.9	1.5	27.50	27.50	8.33	8.34	26.84	26.72	93.00	93.30	6.85	6.87	6.17	6.21	11.3	11.8
			13:21	2.9	1.5	27.50		8.34		26.59		93.60		6.88		6.24		12.3	
			14:47	2.7	1.4	29.30	29.30	8.62	8.62	20.23	20.09	85.00	85.90	6.39	6.42	4.12	4.25	3.3	3.7
	26/6/2024	Fine	14:48	2.7	1.4	29.30		8.61		19.94		86.80		6.44		4.37		4.0	
			16:21	2.7	1.4	28.10	28.00	8.45	8.46	17.57	17.61	90.80	90.00	6.56	6.54	5.51	5.58	4.1	4.0
			16:22	2.7	1.4	27.90		8.46		17.64		89.20		6.52		5.64		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 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
						°C		-		ppt		%		mg/L		NTU		mg/L	
SR10	3/6/2024	Cloudy	15:24	2.4	1.2	26.70	26.70	8.36	8.36	26.43	26.32	81.40	82.05	6.12	6.14	6.24	6.20	3.0	2.8
			15:25	2.4	1.2	26.70		8.36		26.20		82.70		6.16		6.15		2.6	
			17:28	2.5	1.3	25.60	25.65	8.39	8.40	28.62	28.58	81.60	82.65	6.08	6.11	6.12	6.05	3.7	3.9
	5/6/2024	Cloudy	17:29	2.5	1.3	25.70		8.40		28.54		83.70		6.14		5.98		4.1	
			17:33	2.4	1.2	26.60	26.55	8.40	8.40	30.61	30.52	83.00	83.10	6.23	6.24	6.37	6.25	2.9	2.9
			17:34	2.4	1.2	26.50		8.39		30.43		83.20		6.25		6.12		2.8	
	7/6/2024	Cloudy	8:53	2.6	1.3	27.50	27.45	8.33	8.34	26.13	26.05	82.00	82.55	6.22	6.25	5.79	5.66	2.3	2.5
			8:54	2.6	1.3	27.40		8.34		25.96		83.10		6.27		5.52		2.6	
			9:08	2.5	1.3	28.00	28.05	8.41	8.41	25.40	25.36	97.40	96.35	6.83	6.79	5.42	5.27	2.7	2.5
	13/6/2024	Cloudy	9:09	2.5	1.3	28.10		8.40		25.31		95.30		6.75		5.12		2.2	
			15/6/2024	WQM was cancelled due to adverse weather															
			15/6/2024	WQM was cancelled due to adverse weather															
	17/6/2024	Fine	15:17	2.3	1.2	27.70	27.75	8.37	8.37	21.96	21.97	86.50	86.90	6.13	6.16	5.24	5.13	3.1	3.5
			15:18	2.3	1.2	27.80		8.37		21.98		87.30		6.18		5.02		3.8	
			16:56	2.2	1.1	28.60	28.65	8.41	8.41	20.37	20.24	84.50	84.60	6.75	6.76	5.42	5.38	3.0	3.1
	19/6/2024	Cloudy	16:57	2.2	1.1	28.70		8.41		20.10		84.70		6.76		5.34		3.2	
			17:18	2.3	1.2	29.20	29.20	8.65	8.66	19.74	19.68	89.10	89.65	6.20	6.21	8.42	8.27	2.6	2.5
			17:19	2.3	1.2	29.20		8.66		19.62		90.20		6.21		8.12		2.3	
	24/6/2024	Fine	8:01	2.6	1.3	27.50	27.55	8.33	8.34	26.63	26.60	87.00	86.80	6.38	6.37	6.09	6.17	9.5	9.1
			8:02	2.6	1.3	27.60		8.34		26.57		86.60		6.35		6.24		8.6	
			8:45	2.4	1.2	29.00	29.00	8.57	8.57	19.73	19.70	90.60	89.95	6.44	6.39	5.01	5.13	2.6	2.9
	26/6/2024	Fine	8:46	2.4	1.2	29.00		8.56		19.66		89.30		6.34		5.24		3.2	
			10:48	2.5	1.3	27.90	27.85	8.46	8.47	17.29	17.33	89.00	90.35	6.47	6.55	7.19	7.07	1.6	1.6
			10:49	2.5	1.3	27.80		8.47		17.36		91.70		6.62		6.94		1.5	

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 SR12 (Middle) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS	
						°C				ppt		%		mg/L		NTU		mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR12	3/6/2024	Cloudy	10:17	2.5	1.3	26.60	26.55	8.36	8.37	26.25	26.22	84.40	83.55	6.19	6.18	6.08	6.16	3.0	2.9
			10:18	2.5	1.3	26.50		8.37		26.19		82.70		6.18		6.24		2.8	
			11:48	2.8	1.4	25.90	25.75	8.38	8.39	28.30	28.36	84.00	83.75	6.25	6.24	5.24	5.13	6.0	6.2
	5/6/2024	Cloudy	11:49	2.8	1.4	25.70		8.39		28.41		83.50		6.22		5.02		6.3	
			13:02	2.8	1.4	26.20	26.25	8.36	8.37	30.10	30.07	82.90	83.70	6.16	6.20	5.03		3.0	3.2
			13:03	2.8	1.4	26.30		8.37		30.04		84.50		6.23		4.89		3.4	
	11/6/2024	Fine	14:52	2.5	1.3	27.70	27.65	8.37	8.38	26.25	26.25	82.00	82.65	6.02	6.07	4.89	4.93	2.6	2.5
			14:53	2.7	1.4	27.60		8.38		26.24		83.30		6.11		4.97		2.3	
			16:27	2.5	1.3	27.50	27.55	8.39		26.02		93.70	93.85	6.65	6.66	3.67	3.77	2.2	2.3
	13/6/2024	Cloudy	16:28	2.5	1.3	27.60		8.40		25.95		94.00		6.66		3.86		2.4	
	15/6/2024		Amber Rainstorm	WQM was cancelled due to adverse weather															
	17/6/2024	Fine	10:05	2.4	1.3	27.90	27.95	8.37	8.37	21.93	21.86	80.40	81.30	6.05	6.12	5.96	6.04	4.1	4.5
			10:06	2.6	1.3	28.00		8.37		21.78		82.20		6.18		6.12		4.9	
	19/6/2024	Cloudy	10:59	2.4	1.2	28.00	28.05	8.31	8.31	24.32	24.30	89.80	90.55	6.48	6.57	5.49	5.56	4.6	4.8
			11:00	2.4	1.2	28.10		8.31		24.28		91.30		6.66		5.63		5.0	
	21/6/2024	Cloudy	12:12	2.6	1.3	29.50	29.45	8.63	8.64	18.72	18.66	88.60	88.90	6.23	6.31	8.34	8.48	2.8	3.0
			12:13	2.6	1.3	29.40		8.64		18.60		89.20		6.38		8.62		3.1	
24/6/2024	Fine	13:13	2.7	1.4	27.40	27.45	8.35	8.36	27.01	27.07	84.00	84.25	6.42	6.43	7.12	7.12	14.5	15.2	
		13:14	2.7	1.4	27.50		8.36		27.12		84.50		6.44		7.11		15.9		
26/6/2024	Fine	14:41	2.5	1.3	29.40	29.30	8.60	8.60	19.99	20.06	85.50	85.90	6.40	6.39	4.24	3.97	6.2	6.3	
		14:42	2.5	1.3	29.20		8.60		20.13		86.30		6.40		4.24				
28/6/2024	Cloudy	16:16	2.8	1.4	28.00	28.00	8.44	8.44	17.98	18.00	87.50	88.15	6.33	6.37	6.79	6.68	3.1	4.3	
		16:17	2.8	1.4	28.00		8.44		18.02		88.80		6.40		6.57		5.5		

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



Impact Water Quality Monitoring at Station 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					
SR12	3/6/2024	Cloudy	15:18	2.3	1.2	26.80	26.75	8.36	8.36	26.25	26.22	83.30	82.25	6.23	6.20	7.24	7.17	2.7	2.8					
			15:19	2.3	1.2	26.70		8.35		26.19		81.20		6.16		7.09		2.8						
			17:22	2.4	1.2	25.70		8.41		8.41		28.73		28.67		81.80		81.00		6.08	6.06	6.32	6.25	4.5
	5/6/2024	Cloudy	17:23	2.4	1.2	25.70	25.70	8.40	8.40	28.61	28.61	80.20	80.20	6.03	6.03	6.37	6.37	4.8	4.8					
			17:26	2.3	1.2	26.60		8.39		30.51		30.51		82.70		82.70		6.18		6.18	6.09	6.09	3.1	3.1
			17:27	2.3	1.2	26.50		8.39		8.39		30.62		30.62		83.00		83.00		6.20	6.20	6.24	6.24	3.4
	11/6/2024	Fine	8:58	2.5	1.3	27.30	27.35	8.34	8.33	25.71	25.83	81.90	81.75	6.14	6.14	5.99	6.00	3.6	3.4					
			8:59	2.5	1.3	27.40		8.32		25.94		81.60		6.13		6.01		3.2						
			9:13	2.4	1.2	27.90		8.41		8.41		25.10		25.09		93.00		93.30		6.58	6.61	4.68	4.71	2.8
	13/6/2024	Cloudy	9:14	2.4	1.2	27.90	27.90	8.41	8.41	25.08	25.08	93.60	93.60	6.63	6.63	4.73	4.73	3.2	3.2					
			WQM was cancelled due to adverse weather																					
	15/6/2024	Amber Rainstorm																						
	17/6/2024	Fine	15:11	2.3	1.2	27.80	27.80	8.38	8.38	22.11	22.21	82.00	81.50	6.10	6.07	4.69	4.78	5.4	5.4					
			15:12	2.3	1.2	27.80		8.37		22.31		81.00		6.04		4.96		5.4						
	19/6/2024	Cloudy	16:49	2.2	1.1	28.40	28.45	8.33	8.33	23.24	23.21	86.70	86.85	6.39	6.40	4.87	4.93	3.0	2.8					
			16:50	2.2	1.1	28.50		8.32		23.17		87.00		6.41		4.98		2.6						
	21/6/2024	Cloudy	17:13	2.3	1.2	29.20	29.25	8.64	8.64	18.56	18.65	88.80	88.90	6.25	6.26	7.84	7.98	2.4	2.5					
			17:14	2.3	1.2	29.30		8.63		18.74		89.00		6.26		8.12		2.5						
	24/6/2024	Fine	8:09	2.5	1.3	27.50	27.50	8.33	8.34	26.78	26.79	86.20	87.00	6.28	6.31	6.73	6.65	8.1	8.9					
			8:10	2.5	1.3	27.50		8.35		26.79		87.80		6.33		6.57		9.6						
	26/6/2024	Fine	8:50	2.3	1.2	29.00	29.05	8.57	8.58	19.89	20.01	91.00	91.85	6.56	6.60	4.98	4.91	2.8	3.1					
			8:51	2.3	1.2	29.10		8.58		20.13		92.70		6.63		4.84		3.4						
28/6/2024	Cloudy	10:54	2.6	1.3	27.80	27.80	8.46	8.46	17.42	17.47	87.40	88.90	6.34	6.42	7.13	7.35	2.9	3.3						
		10:55	2.6	1.3	27.80		8.46		17.51		90.40		6.49		7.56		3.6							

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



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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH -		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR15	3/6/2024	Cloudy	9:22	2.6	1.3	26.70		8.33	26.73	26.58	26.43	82.00	81.95	6.15	6.15	5.13	5.25	3.2	3.3
			9:23	2.6	1.3	26.60		8.33	26.43	26.43	26.43	81.90	81.95	6.14	6.15	5.37	5.25	3.3	
	5/6/2024	Cloudy	10:53	2.6	1.4	25.90	25.85	8.36	25.99	28.99	28.99	83.20	83.40	6.14	6.17	4.47	4.34	7.0	7.2
			10:54	2.8	1.4	25.90		8.34	28.98	28.98	28.98	83.60	83.40	6.20	6.17	4.21	4.34	7.3	
	7/6/2024	Cloudy	12:04	2.8	1.4	26.30	26.25	8.34	26.43	26.32	26.32	84.40	83.70	6.30	6.25	3.63	3.57	3.2	3.1
			12:05	2.8	1.4	26.20		8.33	26.20	26.20	26.20	83.00	83.70	6.20	6.25	3.50	3.50	3.0	
	11/6/2024	Fine	15:50	2.7	1.4	27.50	27.00	8.36	27.77	25.77	25.89	84.60	84.50	6.16	6.16	7.24	7.13	2.3	2.2
			15:51	2.7	1.4	26.50		8.37	26.01	26.01	26.01	84.40	84.50	6.15	6.16	7.01	7.13	2.1	
	13/6/2024	Cloudy	17:25	2.8	1.4	27.60	27.65	8.42	24.03	24.14	24.14	91.30	91.75	6.56	6.58	3.57	3.45	1.8	1.7
			17:26	2.8	1.4	27.70		8.41	24.24	24.24	24.24	92.20	91.75	6.60	6.58	3.33	3.45	1.6	
	15/6/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
	17/6/2024	Fine	9:05	2.6	1.3	28.10	28.05	8.34	22.37	22.31	22.31	89.30	89.40	6.12	6.13	5.87	5.92	4.9	5.1
			9:06	2.6	1.3	28.00		8.34	22.24	22.24	22.24	89.50	89.40	6.13	6.13	5.96	5.92	5.2	
	19/6/2024	Cloudy	9:59	2.4	1.2	29.60	29.55	8.67	14.77	14.67	14.67	85.30	85.65	6.52	6.54	7.02	7.08	3.4	3.5
			10:00	2.4	1.2	29.50		8.68	14.56	14.56	14.56	86.00	85.65	6.56	6.54	7.14	7.08	3.6	
	21/6/2024	Cloudy	11:14	2.5	1.3	28.60	27.60	8.49	21.72	21.62	21.62	90.30	90.15	6.42	6.42	7.01	7.19	2.6	2.5
			11:15	2.5	1.3	28.60		8.51	21.52	21.52	21.52	90.00	90.15	6.41	6.42	7.37	7.19	2.4	
	24/6/2024	Fine	14:13	2.7	1.4	28.20	28.25	8.36	22.53	22.63	22.63	92.60	92.00	6.44	6.43	7.36	7.19	9.2	11.4
			14:14	2.7	1.4	28.30		8.37	22.72	22.72	22.72	91.40	92.00	6.41	6.43	7.02	7.19	13.6	
	26/6/2024	Fine	15:44	2.6	1.3	28.80	28.80	8.54	19.31	19.25	19.25	86.20	85.55	6.46	6.43	5.12	5.27	4.2	3.9
			15:45	2.6	1.3	28.80		8.54	19.18	19.18	19.18	84.90	85.55	6.39	6.43	5.41	5.27	3.6	
	28/6/2024	Cloudy	17:13	2.7	1.4	26.50	26.45	8.28	21.88	21.91	21.91	90.00	88.60	6.49	6.40	6.36	6.17	5.6	5.6
			17:14	2.7	1.4	26.40		8.29	21.93	21.93	21.93	87.20	88.60	6.30	6.40	5.97	6.17	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 SR15 (Middle) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH -		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR15	3/6/2024	Cloudy	16:17	2.4	1.2	26.40	26.45	8.36	26.37	26.19	26.19	81.90	81.30	6.14	6.11	4.37	4.31	4.2	4.5
			16:18	2.4	1.2	26.50		8.37	26.00	26.00	26.00	80.70	81.30	6.08	6.11	4.25	4.31	4.7	
	5/6/2024	Cloudy	18:21	2.3	1.2	25.70	25.70	8.37	29.05	29.10	29.10	83.80	83.35	6.20	6.18	4.02	3.96	3.6	3.4
			18:22	2.3	1.2	25.70		8.38	29.14	29.14	29.14	82.90	83.35	6.16	6.18	3.89	3.96	3.2	
	7/6/2024	Cloudy	18:26	2.3	1.2	26.40	26.45	8.38	28.53	28.59	28.59	81.90	81.20	6.17	6.15	6.12	6.25	3.8	3.6
			18:27	2.3	1.2	26.50		8.36	28.64	28.64	28.64	80.50	81.20	6.13	6.15	6.37	6.25	3.4	
	11/6/2024	Fine	8:00	2.5	1.3	27.40	27.35	8.34	26.03	26.14	26.14	81.90	82.20	6.18	6.20	5.18	5.76	2.6	2.4
			8:01	2.5	1.3	27.30		8.33	26.24	26.24	26.24	82.60	82.20	6.22	6.20	6.33	5.76	2.2	
	13/6/2024	Cloudy	8:15	2.4	1.2	27.90	27.95	8.41	22.74	22.70	22.70	95.30	95.80	6.65	6.68	3.56	3.52	3.0	2.9
			8:16	2.4	1.2	28.00		8.41	22.66	22.66	22.66	96.30	95.80	6.71	6.68	3.47	3.52	2.7	
	15/6/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
	17/6/2024	Fine	16:08	2.3	1.2	28.50	28.45	8.36	23.13	23.19	23.19	84.60	84.50	6.09	6.09	6.27	6.37	1.9	1.8
			16:09	2.3	1.2	28.40		8.36	23.24	23.24	23.24	84.40	84.50	6.08	6.09	6.47	6.37	1.6	
	19/6/2024	Cloudy	17:48	2.1	1.1	28.90	28.85	8.44	20.81	20.89	20.89	94.90	94.35	6.90	6.89	6.62	6.52	5.0	4.8
			17:49	2.1	1.1	28.80		8.44	20.97	20.97	20.97	93.80	94.35	6.88	6.89	6.42	6.52	4.6	
	21/6/2024	Cloudy	18:08	2.2	1.1	29.50	29.55	8.73	19.46	19.50	19.50	99.40	99.75	7.03	7.05	8.02	7.96	2.2	2.4
			18:09	2.2	1.1	29.60		8.73	19.54	19.54	19.54	100.10	99.75	7.07	7.05	7.89	7.96	2.5	
	24/6/2024	Fine	7:07	2.4	1.2	28.40	28.45	8.51	22.07	22.16	22.16	97.40	97.95	6.92	6.95	8.69	8.70	7.2	6.8
			7:08	2.4	1.2	28.50		8.51	22.25	22.25	22.25	98.50	97.95	6.97	6.95	8.71	8.70	6.3	
	26/6/2024	Fine	7:52	2.3	1.2	28.60	28.55	8.47	19.02	18.98	18.98	88.40	88.55	6.43	6.46	4.25	4.19	3.8	3.4
			7:53	2.3	1.2	28.50		8.46	18.93	18.93	18.93	88.70	88.55	6.48	6.46	4.12	4.19	3.0	
	28/6/2024	Cloudy	9:56	2.3	1.2	27.30	27.25	8.45	15.27	15.22	15.22	92.00	92.40	6.85	6.87	7.44	7.28	3.0	3.3
			9:57	2.3	1.2	27.20		8.46	15.16	15.16	15.16	92.80	92.40	6.89	6.87	7.12	7.28	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 (surface) - Ebb Tide**

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS	
						°C						%		mg/L		NTU		mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CE	3/6/2024	Cloudy	10:29	8.5	1.0	26.30	26.25	8.35	8.36	26.23	26.37	83.00	82.85	6.27	6.27	1.98	1.86	4.0	4.2
			10:30	8.5	1.0	26.20		8.36		26.51		82.70		6.26		1.73		4.5	
			12:00	8.6	1.0	25.90		8.40		26.62		84.80		6.27		2.67		4.4	
	5/6/2024	Cloudy	12:01	8.6	1.0	25.80	25.85	8.41	8.41	26.59	28.61	83.40	84.10	6.21	6.24	2.98	2.83	4.2	4.4
			13:14	8.8	1.0	26.40	26.35	8.34	8.35	27.31	27.28	82.80	82.90	6.14	6.17	2.31	2.36	3.0	2.8
			13:15	8.8	1.0	26.30		8.35		27.25		83.00		6.19		2.40		2.6	
	11/6/2024	Fine	14:40	8.6	1.0	27.40	27.45	8.37	8.37	26.51	26.42	84.60	84.80	6.29	6.30	3.08	3.12	1.1	1.2
			14:41	8.6	1.0	27.50		8.37		26.32		85.00		6.31		3.16		1.2	
			16:10	8.6	1.0	28.00	28.00	8.42		24.25	24.27	95.90	96.20	6.86	6.88	2.12	2.15	2.2	2.4
	13/6/2024	Cloudy	16:11	8.6	1.0	28.00		8.43	8.43	24.28		96.50		6.90		2.18		2.5	
	15/6/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
	17/6/2024	Fine	10:18	8.4	1.0	28.20	28.20	8.40	8.41	20.04	19.94	80.60	80.65	6.14	6.14	3.09	3.13	2.9	2.9
			10:19	8.4	1.0	28.20		8.42		19.83		80.70		6.14		3.16		2.9	
			11:11	8.4	1.0	29.30	29.25	8.59	8.59	14.81	14.78	94.10	94.80	6.94	6.96	2.73	2.86	3.8	4.0
	19/6/2024	Cloudy	11:12	8.4	1.0	29.20		8.58		14.74		95.50		6.97		2.98		4.1	
			12:24	8.5	1.0	29.80	29.75	8.84	8.85	16.25	16.18	97.40	96.45	6.97	6.94	5.92	5.97	2.1	2.2
			12:25	8.5	1.0	29.70		8.85		16.11		95.50		6.91		6.02		2.2	
	24/6/2024	Fine	13:00	8.8	1.0	27.70	27.65	8.41	8.40	23.73	23.67	87.60	86.80	6.76	6.68	5.19	5.21	16.8	16.8
			13:01	8.8	1.0	27.60		8.39		23.65		86.00		6.59		5.23		16.7	
			14:29	8.7	1.0	29.10	29.00	8.62		18.94	18.88	89.20	89.50	6.71	6.80	1.67	1.83	2.4	2.5
	26/6/2024	Fine	14:30	8.7	1.0	28.90		8.60	8.61	18.82		89.80		6.88		1.96			
	28/6/2024	Cloudy	16:05	8.6	1.0	28.40	28.35	8.53	8.53	17.63	17.58	95.40	94.40	6.99	6.96	3.21	3.34	5.0	5.4
			16:06	8.6	1.0	28.30		8.52		17.52		93.40		6.80		3.47		5.7	

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

**Impact Water Quality Monitoring at Station 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
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CE	3/6/2024	Cloudy	15:07	8.2	1.0	26.70	26.65	8.36	8.37	26.67	26.77	82.10	81.95	6.19	6.19	2.67	2.82	3.6	3.7		
			15:08	8.2	1.0	26.60		8.37		26.87		81.80		6.18		2.97		3.8			
			17:10	8.2	1.0	25.60		8.40		28.94		83.70		6.24		3.12		5.2			
	5/6/2024	Cloudy	17:11	8.2	1.0	25.80	25.70	8.41	8.41	28.85	28.90	83.80	83.80	6.25	6.25	3.01	3.07	5.0	5.1		
			17:15	8.0	1.0	26.50		8.37		28.59		84.10		6.27		3.22		2.5			
			17:16	8.0	1.0	26.40		26.45		8.36		8.37		28.54		83.40		6.25		6.26	3.47
	11/6/2024	Fine	9:11	8.4	1.0	27.50	27.45	8.35	8.36	26.24	26.18	83.00	82.70	6.27	6.24	4.13	4.18	1.3	1.4		
			9:12	8.4	1.0	27.40		8.36		26.11		82.40		6.21		4.22		1.5			
			9:25	8.4	1.0	27.90		27.90		8.43		8.44		23.57		98.60		6.84		6.87	2.36
	13/6/2024	Cloudy	9:26	8.4	1.0	27.90	27.90	8.44	8.44	23.55	23.56	99.20	98.90	6.90	6.87	2.28	2.32	2.7	2.6		
	15/6/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																		
	17/6/2024	Fine	15:00	8.1	1.0	28.80	28.80	8.41	8.41	21.02	21.13	89.50	89.95	6.20	6.22	2.96	3.01	1.9	2.0		
			15:01	8.1	1.0	28.80		8.40		21.24		90.40		6.23		3.06		2.0			
			16:38	8.0	1.0	29.30		29.25		8.45		8.46	21.19	91.30	90.90	6.88	6.86	3.12		3.11	4.1
	19/6/2024	Cloudy	16:39	8.0	1.0	29.20	29.25	8.46	8.46	21.03	21.11	90.50	6.84	3.09		3.7					
			17:02	8.1	1.0	30.00		8.95		15.73		99.40	98.40	6.95	6.91	6.29	6.36	4.1			
			17:03	8.1	1.0	30.30		8.96		15.68		97.40		6.86		6.42		3.7			
	24/6/2024	Fine	8:21	8.6	1.0	28.40	28.40	8.55	8.55	22.10	22.23	92.00	91.50	6.83	6.81	5.01	4.95	10.2	11.0		
			8:22	8.6	1.0	28.40		8.55		22.36		91.00		6.79		4.89		11.8			
			9:01	8.4	1.0	29.10		29.05		8.61		8.60	18.42	94.30	94.00	6.90	6.89	2.10		2.12	3.9
	26/6/2024	Fine	9:02	8.4	1.0	29.00	29.05	8.59	8.60	18.38	18.40	93.70	6.87	2.14		3.4					
	28/6/2024	Cloudy	11:06	8.4	1.0	27.70	27.70	8.48	8.49	17.52	17.46	96.70	95.10	6.88	6.83	4.19	4.28	2.4	2.3		
			11:07	8.4	1.0	27.70		8.50		17.40		93.50		6.77		4.36		2.1			

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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS	
						°C						%		mg/L		NTU		mg/L	
						Value	AVG	Value	AVG	Value	ppt	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CE	3/6/2024	Cloudy	10:33	8.5	4.3	26.50	26.45	8.36	8.37	26.97	26.89	82.80	83.05	6.21	6.22	3.02	2.98	2.9	3.1
			10:34	8.5	4.3	26.40		8.37		26.80		83.30		6.23		2.94		3.2	
			12:04	8.6	4.3	25.90	25.80	8.40	8.41	28.72	28.83	84.10	84.25	6.23	6.26	3.16	3.09	4.7	4.9
	5/6/2024	Cloudy	12:05	8.6	4.3	25.90		8.41		28.93		84.40		6.28		3.02		5.0	
			13:18	8.8	4.4	26.20	26.25	8.37	8.37	28.66	28.70	84.40	84.60	6.26	6.27	2.21	2.15	2.2	2.3
			13:19	8.8	4.4	26.30		8.36		28.74		84.80		6.27		2.09		2.4	
	11/6/2024	Fine	14:44	8.6	4.3	27.50	27.45	8.38	8.38	26.99	27.09	84.20	84.55	6.25	6.26	4.67	4.63	1.5	1.6
			14:45	8.6	4.3	27.40		8.38		27.19		84.90		6.27		4.59		1.6	
			16:14	8.6	4.3	27.80	27.75	8.42	8.43	25.27	25.24	97.20	98.00	6.94	6.97	2.25	2.37	1.7	1.8
	13/6/2024	Cloudy	16:15	8.6	4.3	27.70		8.43		25.20		96.80		6.99		2.49		1.9	
	15/6/2024		Amber Rainstorm	WQM was cancelled due to adverse weather															
	17/6/2024		Fine	10:22	8.4	4.2	28.00	28.00	8.40	8.40	22.13	22.09	83.10	83.25	6.23	6.24	4.58	4.47	5.8
	10:23	8.4		4.2	28.00		8.39		22.04		83.40		6.24		4.36		5.0		
	11:15	8.4		4.2	28.30	28.30	8.38	8.38	23.84	23.88	86.00	86.05	6.79	6.80	3.76	3.68	3.3	3.5	
	19/6/2024	Cloudy	11:16	8.4	4.2	28.30		8.37		23.91		86.10		6.80		3.59		3.6	
			12:28	8.5	4.3	28.60	28.60	8.49	8.49	21.96	21.99	94.90	94.85	6.72	6.72	5.89	5.77	1.7	1.7
			12:29	8.5	4.3	28.60		8.49		22.01		94.80		6.71		5.64		1.6	1.7
	24/6/2024	Fine	13:04	8.8	4.4	27.60	27.60	8.39	8.39	24.70	24.56	91.40	90.50	6.94	6.92	5.01	4.92	19.2	19.6
			13:05	8.8	4.4	27.60		8.38		24.41		89.60		6.89		4.82		20.0	
			14:33	8.7	4.4	28.70	28.75	8.70	8.71	20.16	20.19	90.20	89.65	6.74	6.77	2.49	2.58	2.9	2.8
	26/6/2024	Fine	14:34	8.7	4.4	28.80		8.71		20.21		89.10		6.80		2.67		2.7	
			16:09	8.6	4.3	27.40	27.45	8.48	8.49	18.51	18.58	91.80	93.25	6.66	6.75	4.02	3.95	3.7	4.1
			16:10	8.6	4.3	27.50		8.50		18.64		94.70		6.83		3.88		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 (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		
CE	3/6/2024	Cloudy	15:11	8.2	4.1	26.60	26.55	8.38	8.38	27.25	27.09	81.50	81.80	6.16	6.18	3.97	3.83	3.3	3.2		
			15:12	8.2	4.1	26.50		8.37		26.92		82.10		6.19		3.69		3.0			
			17:14	8.2	4.1	25.80	25.75	8.40	8.39	29.18	29.22	83.00	83.20	6.18	6.19	3.36	3.52	7.0	6.9		
	5/6/2024	Cloudy	17:15	8.2	4.1	25.70		8.38		29.25		83.40		6.19		3.67		6.7			
			17:19	8.0	4.0	26.30	26.25	8.38	8.38	28.98	28.94	83.00	83.20	6.20	6.22	2.50	2.19	2.35	2.4		
			17:20	8.0	4.0	26.20		8.38		28.90		83.40		6.23		2.19		2.4			
	7/6/2024	Cloudy	9:15	8.4	4.2	27.40	27.35	8.37	8.37	26.91	27.08	83.70	83.60	6.24	6.24	4.01	3.95	1.6	1.7		
			9:16	8.4	4.2	27.30		8.36		27.25		83.50		6.23		3.89		1.8			
			9:29	8.4	4.2	27.80	27.85	8.44	8.44	24.16	24.19	99.50	98.60	6.97	6.95	2.13	2.30	2.8	2.9		
	13/6/2024	Cloudy	9:30	8.4	4.2	27.90		8.43		24.21		97.70		6.93		2.47		3.0			
			WQM was cancelled due to adverse weather																		
			17/6/2024	Fine	15:04	8.1	4.1	28.40	28.35	8.38	8.38	24.26	24.23	90.20	89.90	6.21	6.21	4.96	4.84	7.3	7.0
					15:05	8.1	4.1	28.30		8.38		24.19		89.60		6.20		4.72		6.6	
					16:42	8.0	4.0	28.40	28.50	8.35	8.36	25.18	25.23	87.30	87.00	6.55	6.57	3.72	3.78	3.1	3.3
	19/6/2024	Cloudy	16:43	8.0	4.0	28.60		8.36		25.27		86.70		6.59		3.84		3.4			
			17:06	8.1	4.1	29.40	29.35	8.82	8.81	18.12	18.24	96.40	95.80	6.76	6.69	5.89	5.96	3.1	3.3		
			17:07	8.1	4.1	29.30		8.80		18.36		95.20		6.62		6.02		3.5			
	21/6/2024	Cloudy	8:25	8.6	4.3	27.70	27.65	8.40	8.40	24.41	24.33	93.60	92.80	6.86	6.85	4.51	4.57	14.2	16.1		
			8:26	8.6	4.3	27.60		8.39		24.24		92.00		6.84		4.62		17.9			
			9:05	8.4	4.2	28.90	28.85	8.53	8.54	19.55	19.59	93.60	92.55	6.86	6.79	3.17	3.14	3.1	3.2		
	26/6/2024	Fine	9:06	8.4	4.2	28.80		8.53		19.63		91.50		6.72		3.11		3.3			
			11:10	8.4	4.2	27.00	27.10	8.36	8.38	20.44	20.48	92.50	93.00	6.70	6.73	4.13	4.07	4.8	3.8		
			11:11	8.4	4.2	27.20		8.39		20.51		93.50		6.76		4.01		2.8			

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

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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		
						°C		-		ppt		%		mg/L		NTU		mg/L		
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value
CE	3/6/2024	Cloudy	10:36	8.5	7.5	26.40	26.45	8.37	8.38	26.99	27.06	82.40	81.60	6.25	6.20	3.04	3.09	2.7	2.6	
			10:37	8.5	7.5	26.50		8.38		27.12		80.80		6.15		3.13		2.4	2.4	
			12:07	8.6	7.6	26.00	25.95	8.40	8.40	29.14	29.10	83.40	83.75	6.22	6.24	3.21	3.34	5.3	5.5	
	5/6/2024	Cloudy	12:08	8.6	7.6	25.90		8.39		29.06		83.90		6.25		3.46		1.8		
			13:21	8.8	7.8	26.20	26.20	8.37	8.38	29.74	29.70	83.40	83.60	6.20	6.21	1.98	1.74	1.8	1.8	
			13:22	8.8	7.8	26.20		8.38		29.65		83.80		6.22		1.74		1.7		
	11/6/2024	Fine	14:47	8.6	7.6	27.20	27.30	8.38	8.38	27.44	27.39	85.00	84.90	6.28	6.27	2.97	3.03	2.2	2.4	
			14:48	8.6	7.6	27.40		8.37		27.33		84.80		6.26		3.08		2.5		
			16:17	8.6	7.6	27.40	27.35	8.42	8.42	26.73	26.65	96.60	96.30	6.97	6.93	2.34	2.48	1.4	1.4	
	13/6/2024	Cloudy	16:18	8.6	7.6	27.30		8.41		26.56		96.00		6.89		2.61		1.4		
	15/6/2024		Amber Rainstorm	WQM was cancelled due to adverse weather																
	17/6/2024		Fine	10:25	8.4	7.4	27.60	27.60	8.31	8.31	27.22	27.27	85.20	85.00	6.29	6.28	4.66	4.77	3.8	4.4
		10:26		8.4	7.4	27.60		8.31		27.31		84.80		6.26		4.87		4.9		
		11:18		8.4	7.4	28.20	28.15	8.32	8.32	25.86	25.83	92.20	91.95	6.94	6.93	4.01	4.07	3.0	2.8	
	19/6/2024	Cloudy	11:19	8.4	7.4	28.10		8.32		25.80		91.70		6.92		4.12		2.6		
			12:31	8.5	7.5	28.30	28.35	8.28	8.29	26.41	26.35	88.60	89.30	6.26	6.30	4.02	4.15	1.4	1.4	
			12:32	8.5	7.5	28.40		8.30		26.29		90.00		6.34		4.28		1.3		
	24/6/2024	Fine	13:07	8.8	7.8	27.60	27.55	8.37	8.37	26.91	26.85	84.20	85.00	6.51	6.54	4.01	4.07	15.9	16.1	
			13:08	8.8	7.8	27.50		8.37		26.78		85.80		6.56		4.12		16.3		
			14:36	8.7	7.7	28.40	28.40	8.65	8.66	20.91	20.82	86.10	87.50	6.56	6.61	2.59	2.60	3.3	3.5	
	26/6/2024	Fine	14:37	8.7	7.7	28.40		8.65		20.72		88.90		6.65		2.50		3.6		
			16:12	8.6	7.6	26.90	26.90	8.36	8.37	21.19	21.11	95.80	94.55	6.97	6.86	3.10	3.17	4.3	4.4	
			16:13	8.6	7.6	26.90		8.37		21.02		93.30		6.74		3.24		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 (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	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG						
CE	3/6/2024	Cloudy	15:14	8.2	7.2	26.50	26.45	8.38	8.39	27.18	27.26	83.00	83.20	6.22	6.25	4.12	4.07	2.5	2.7						
			15:15	8.2	7.2	26.40		8.39		27.34		83.40		6.27		4.01		2.8							
			17:17	8.2	7.2	25.80		25.80		8.39		8.40		29.97		29.93		84.20		84.05	6.25	6.23	4.02	4.00	7.5
	5/6/2024	Cloudy	17:18	8.2	7.2	25.80	25.80	8.40	8.39	29.89	29.89	83.90	84.05	6.20	6.23	3.97	4.00	7.9	7.7						
			17:22	8.0	7.0	26.30		8.38		30.13		83.20		6.23		2.12		1.6							
			17:23	8.0	7.0	26.20		26.25		8.39		8.39		30.05		82.80		83.00		6.20	6.22	1.98	2.05	1.8	1.7
	11/6/2024	Fine	9:18	8.4	7.4	27.00	27.15	8.37	8.37	27.41	27.34	83.00	83.35	6.20	6.23	3.56	3.67	1.7	1.8						
			9:19	8.4	7.4	27.30		8.37		27.27		83.70		6.25		3.78		1.9							
			9:32	8.4	7.4	27.60		27.55		8.42		8.42		26.73		26.83		96.00		95.00	6.92	6.88	1.92	1.97	3.4
	9:33	8.4	7.4	27.50	8.42	26.92	8.42	26.92	26.83	94.00	95.00	6.83	6.88	2.01	1.97	3.6	3.5								
	15/6/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																						
	17/6/2024	Fine	15:07	8.1	7.1	27.80	27.75	8.32	8.33	27.61	27.71	84.60	84.75	6.13	6.14	5.12	5.07	4.8	5.3						
			15:08	8.1	7.1	27.70		8.33		27.80		84.90		6.15		5.02		5.7							
			16:45	8.0	7.0	28.30		28.25		8.32		8.31		27.09		27.01		84.20		83.90	6.27	6.24	4.98	4.85	2.8
	19/6/2024	Cloudy	16:46	8.0	7.0	28.20	28.30	8.30	8.33	26.92	27.01	83.60	83.90	6.21	6.24	4.72	4.85	2.6	2.7						
			17:09	8.1	7.1	28.30		28.30		8.52		8.53		22.84		94.50		94.65		6.60	6.61	5.67	5.57	2.8	3.0
			17:10	8.1	7.1	28.30		28.30		8.53		8.53		22.72		94.80		94.80		6.61	6.61	5.47	5.57	3.1	3.0
	21/6/2024	Cloudy	8:28	8.6	7.6	27.30	27.35	8.35	8.35	26.60	26.55	91.00	91.65	6.77	6.79	3.25	3.19	19.7	19.3						
			8:29	8.6	7.6	27.40		8.35		26.50		92.30		6.81		3.12		18.9							
			9:08	8.4	7.4	28.50		28.55		8.48		8.47		20.30		20.36		93.60		93.30	6.84	6.83	3.09	2.99	2.8
	24/6/2024	Fine	9:09	8.4	7.4	28.60	28.55	8.46	8.46	20.30	20.36	93.60	93.30	6.84	6.83	3.09	2.99	2.8	2.8						
	11:13	8.4	7.4	26.80	26.75	8.29		8.28		22.05		22.01		90.70		91.05		6.58		6.61	3.56	3.66	5.5	5.3	
	11:14	8.4	7.4	26.70	26.75	8.27		8.28		21.96		22.01		91.40		91.05		6.63		6.61	3.76	3.66	5.1	5.3	



Lam Environmental Services Limited

Contract No. SD 15/2022
Outlying Island Sewerage Stage 2 – South Lantau Sewage Works –
Environmental Team Services (2023 – 2024)

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	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CF	3/6/2024	Cloudy	8:03	8.5	1.0	26.40	26.40	8.31	8.30	25.96	25.92	84.20	83.30	6.25	6.22	2.96	1.97	3.81	3.7
			9:04	8.5	1.0	26.40	26.40	8.31	8.30	25.97	25.92	84.40	83.30	6.19	6.22	1.92	1.97	3.5	3.5
			10:35	8.7	1.0	25.80	25.85	8.31	8.32	29.39	29.41	84.80	84.70	6.27	6.27	3.61	3.49	7.1	7.0
	5/6/2024	Cloudy	10:36	8.7	1.0	25.90	25.90	8.32	8.32	29.43	29.43	84.60	84.60	6.26	6.27	3.37	3.49	6.8	6.8
			11:48	8.8	1.0	26.30	26.30	8.32	8.31	26.50	26.47	82.80	83.15	6.24	6.26	1.73	1.83	1.9	1.8
			11:49	8.8	1.0	26.30	26.30	8.30	8.31	26.43	26.47	83.50	83.15	6.27	6.26	1.93	1.83	1.7	1.8
	11/6/2024	Fine	16:09	8.6	1.0	27.60	27.65	8.36	8.37	26.41	26.40	84.60	84.10	6.29	6.26	4.02	3.97	2.4	2.6
			16:10	8.6	1.0	27.70	27.70	8.38	8.38	26.38	26.38	83.60	83.60	6.22	6.22	3.91	3.91	2.8	2.8
			17:43	8.6	1.0	28.30	28.35	8.43	8.44	22.38	22.37	96.10	95.55	6.80	6.78	1.39	1.47	<1.0	1.0
	13/6/2024	Cloudy	17:44	8.6	1.0	28.40	28.40	8.44	8.44	22.36	22.37	95.00	95.00	6.75	6.75	1.54	1.54	<1.0	<1.0
			WQM was cancelled due to adverse weather																
			WQM was cancelled due to adverse weather																
	15/6/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
			WQM was cancelled due to adverse weather																
			WQM was cancelled due to adverse weather																
	17/6/2024	Fine	8:45	8.3	1.0	28.00	28.00	8.33	8.33	20.71	20.68	89.20	89.65	6.19	6.21	2.56	2.58	5.3	4.8
			8:46	8.3	1.0	28.00	28.00	8.33	8.33	20.64	20.64	90.10	89.65	6.23	6.21	2.60	2.58	4.2	4.2
			9:40	8.3	1.0	28.90	28.95	8.49	8.50	18.02	18.08	92.40	93.15	6.98	6.67	3.08	3.10	3.2	3.5
	19/6/2024	Cloudy	9:41	8.3	1.0	29.00	29.00	8.50	8.50	18.13	18.08	93.90	93.15	6.76	6.67	3.12	3.10	3.6	3.5
			10:55	8.7	1.0	29.30	29.25	8.68	8.68	17.99	17.98	97.40	98.10	6.94	6.95	5.10	5.17	2.1	2.3
			10:56	8.7	1.0	29.20	29.25	8.67	8.68	17.97	17.98	98.80	98.10	6.96	6.95	5.24	5.17	2.4	2.3
	24/6/2024	Fine	14:32	8.7	1.0	28.00	28.05	8.53	8.54	23.00	23.00	92.40	91.20	6.69	6.65	3.82	3.92	6.5	6.0
			14:33	8.7	1.0	28.10	28.05	8.55	8.54	22.99	23.00	90.00	91.20	6.60	6.65	4.02	3.92	5.4	6.0
			16:02	8.7	1.0	29.10	29.10	8.63	8.62	17.81	17.77	88.60	88.50	6.83	6.83	1.12	1.06	3.3	3.2
	26/6/2024	Fine	16:03	8.7	1.0	29.10	29.10	8.61	8.62	17.73	17.77	88.40	88.50	6.82	6.83	1.00	1.06	3.0	3.2
			17:32	8.7	1.0	28.00	28.05	8.52	8.53	15.91	15.89	93.30	94.45	6.79	6.87	2.85	2.72	4.4	4.7
			17:33	8.7	1.0	28.10	28.05	8.53	8.53	15.86	15.89	95.60	95.60	6.94	6.87	2.59	2.72	5.0	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 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	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CF	3/6/2024	Cloudy	16:33	8.1	1.0	26.00	26.05	8.34	8.35	25.73	25.67	83.70	83.60	6.27	6.27	2.07	2.16	5.3	5.5
			16:34	8.1	1.0	26.10	26.10	8.35	8.35	25.60	25.60	83.50	83.60	6.26	6.27	2.25	2.16	5.6	5.5
			18:39	8.2	1.0	25.80	25.80	8.39	8.39	29.13	29.19	84.00	84.25	6.20	6.22	4.00	4.06	4.3	4.5
	5/6/2024	Cloudy	18:40	8.2	1.0	25.80	25.80	8.39	8.39	29.24	29.24	84.50	84.50	6.23	6.23	4.12	4.12	4.7	4.7
			18:46	8.1	1.0	26.40	26.40	8.37	8.37	26.93	27.01	87.60	86.95	6.24	6.22	2.01	1.99	2.7	2.9
			19:47	8.1	1.0	26.40	26.40	8.36	8.36	27.09	27.09	86.30	86.95	6.20	6.22	1.97	1.99	3.0	3.0
	11/6/2024	Fine	7:40	8.3	1.0	27.40	27.35	8.30	8.31	26.74	26.69	83.30	82.25	6.23	6.19	3.42	3.30	1.2	1.2
			7:41	8.3	1.0	27.30	27.35	8.31	8.31	26.63	26.69	81.20	82.25	6.14	6.19	3.18	3.30	1.2	1.2
			7:55	8.4	1.0	28.00	27.95	8.39	8.39	23.64	23.60	98.80	98.75	6.94	6.94	2.01	2.07	3.5	3.4
	13/6/2024	Cloudy	7:56	8.4	1.0	27.90	27.95	8.39	8.39	23.56	23.60	98.70	98.75	6.93	6.94	2.12	2.07	3.3	3.4
			WQM was cancelled due to adverse weather																
			WQM was cancelled due to adverse weather																
	15/6/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
			WQM was cancelled due to adverse weather																
			WQM was cancelled due to adverse weather																
	17/6/2024	Fine	16:26	8.0	1.0	28.60	28.55	8.46	8.46	18.97	18.92	84.90	84.65	6.20	6.20	3.02	3.09	1.9	2.3
			16:27	8.0	1.0	28.50	28.55	8.45	8.46	18.87	18.92	84.40	84.65	6.19	6.20	3.15	3.09	2.6	2.3
			18:06	7.9	1.0	29.60	29.65	8.82	8.80	14.02	13.99	92.10	91.80	6.84	6.82	2.24	2.22	6.2	6.0
	19/6/2024	Cloudy	18:07	7.9	1.0	29.70	29.70	8.77	8.80	13.95	13.95	91.50	91.50	6.80	6.80	2.19	2.19	5.8	5.8
			18:27	8.0	1.0	29.90	29.95	8.93	8.93	19.24	19.17	99.00	98.90	7.02	6.97	6.01	6.07	4.2	4.0
			18:28	8.0	1.0	28.00	28.95	8.92	8.93	19.09	19.17	98.80	98.90	6.91	6.97	6.12	6.07	3.8	4.0
	24/6/2024	Fine	6:47	8.5	1.0	28.30	28.35	8.54	8.54	22.39	22.38	98.30	97.40	6.92	6.87	5.11	5.15	7.6	8.1
			6:48	8.5	1.0	28.40	28.35	8.53	8.54	22.36	22.38	96.50	97.40	6.82	6.87	5.19	5.15	8.4	8.1
			7:33	8.3	1.0	28.30	28.35	8.50	8.50	17.64	17.60	90.80	91.80	6.83	6.91	1.56	1.44	2.9	2.8
	26/6/2024	Fine	7:34	8.3	1.0	28.40	28.35	8.49	8.50	17.55	17.60	92.80	91.80	6.98	6.91	1.32	1.44	2.7	2.8
			9:37	8.2	1.0	27.40	27.35	8.40	8.42	15.80	16.15	92.50	92.35	6.83	6.83	4.62	4.72	4.4	4.6
			9:38	8.2	1.0	27.30	27.35	8.43	8.42	16.50	16.15	92.20	92.35	6.82	6.83	4.82	4.72	4.8	4.6

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



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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH -		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CF	3/6/2024	Cloudy	9:07	8.5	4.3	26.50		8.30		26.37		83.70		6.24		2.24		2.31	
			9:08	8.5	4.3	26.40	26.45	8.30	8.30	26.12	26.25	82.70	83.20	6.21	6.23	2.27	2.31	2.6	3.0
	5/6/2024	Cloudy	10:39	8.7	4.4	26.00	25.95	8.32	8.32	29.55	29.58	82.90	83.55	6.17	6.20	2.94	2.98	7.3	7.5
			10:40	8.7	4.4	25.90		8.31		29.61		84.20		6.23		3.01		7.7	
	7/6/2024	Cloudy	11:52	8.8	4.4	26.30	26.25	8.31	8.31	26.81	26.87	83.70	83.50	6.28	6.27	1.63	1.58	2.3	2.5
			11:53	8.8	4.4	26.20		8.31		26.93		83.30		6.26		1.52		2.6	
	11/6/2024	Fine	16:13	8.6	4.3	27.60	27.50	8.36	8.37	27.34	27.28	80.30	80.25	6.11	6.11	4.02	4.08	1.8	1.7
			16:14	8.6	4.3	27.40		8.37		27.22		80.20		6.11		4.14		1.6	
	13/6/2024	Cloudy	17:47	8.6	4.3	28.20	28.20	8.43	8.43	24.16	24.19	97.00	97.85	6.84	6.81	0.42	0.33	1.4	1.5
			17:48	8.6	4.3	28.20		8.43		24.21		96.70		6.97		0.24		1.5	
	15/6/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
	17/6/2024	Fine	8:49	8.3	4.2	27.50	27.55	8.27	8.27	25.89	25.92	89.40	90.35	6.19	6.23	2.94	3.02	3.6	5.4
			8:50	8.3	4.2	27.60		8.26		25.94		91.30		6.27		3.10		7.2	
	19/6/2024	Cloudy	9:44	8.3	4.2	28.10	28.05	8.32	8.33	23.76	23.72	86.00	86.45	6.33	6.35	4.02	3.95	4.5	4.7
			9:45	8.3	4.2	28.00		8.33		23.67		86.90		6.37		3.87		4.8	
	21/6/2024	Cloudy	10:59	8.7	4.4	28.20	28.20	8.36	8.36	23.94	23.90	96.70	96.90	6.86	6.79	5.04	4.97	1.9	1.8
			11:00	8.7	4.4	28.20		8.36		23.86		95.10		6.71		4.89		1.7	
	24/6/2024	Fine	14:36	8.7	4.4	28.10	28.10	8.51	8.51	23.02	23.19	91.60	92.25	6.62	6.66	3.52	3.38	5.5	5.9
			14:37	8.7	4.4	28.10		8.50		23.36		92.90		6.70		3.24		6.2	
	26/6/2024	Fine	16:06	8.7	4.4	28.80	28.75	8.57	8.57	18.94	19.03	87.40	87.65	6.69	6.70	1.69	1.56	3.8	3.7
			16:07	8.7	4.4	28.70		8.57		19.12		87.90		6.71		1.43		3.5	
	28/6/2024	Cloudy	17:36	8.7	4.4	27.20	27.30	8.35	8.36	19.46	19.49	95.10	94.95	6.91	6.90	2.21	2.12	2.8	2.7
			17:37	8.7	4.4	27.40		8.36		19.51		94.80		6.89		2.02		2.5	

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



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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH -		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CF	3/6/2024	Cloudy	16:37	8.1	4.1	26.20	26.25	8.33	8.34	25.94	25.90	83.10	83.40	6.18	6.22	3.02	3.07	5.1	5.0
			16:38	8.1	4.1	26.30		8.34		25.85		83.70		6.25		3.12		4.9	
	5/6/2024	Cloudy	18:43	8.2	4.1	25.90	25.90	8.39	8.39	29.87	29.77	81.80	81.65	6.18	6.18	3.98	3.84	5.9	5.8
			18:44	8.2	4.1	25.90		8.38		29.67		81.50		6.17		3.69		5.7	
	7/6/2024	Cloudy	18:50	8.1	4.1	26.50	26.50	8.35	8.36	27.42	27.39	83.00	83.15	6.23	6.25	2.09	2.13	3.1	3.3
			18:51	8.1	4.1	26.50		8.36		27.36		83.30		6.26		2.17		3.4	
	11/6/2024	Fine	7:44	8.3	4.2	27.00	27.10	8.31	8.31	27.72	27.76	84.20	83.45	6.27	6.23	3.06	3.04	1.6	1.5
			7:45	8.3	4.2	27.20		8.31		27.80		82.70		6.19		3.01		1.4	
	13/6/2024	Cloudy	7:59	8.4	4.2	27.80	27.80	8.39	8.39	24.10	24.18	94.60	95.10	6.74	6.79	2.20	2.19	3.6	3.5
			8:00	8.4	4.2	27.80		8.38		24.25		95.60		6.84		2.18		3.4	
	15/6/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
	17/6/2024	Fine	16:30	8.0	4.0	28.00	28.05	8.40	8.40	21.86	21.92	84.60	84.25	6.21	6.19	3.56	3.38	2.1	2.5
			16:31	8.0	4.0	28.10		8.40		21.98		83.90		6.17		3.19		2.8	
	19/6/2024	Cloudy	18:09	7.9	4.0	29.40	29.45	8.77	8.78	15.26	15.30	89.00	89.55	6.67	6.71	3.67	3.83	5.2	5.0
			18:10	7.9	4.0	29.50		8.79		15.33		90.10		6.74		3.98		4.8	
	21/6/2024	Cloudy	18:31	8.0	4.0	28.30	28.35	8.48	8.48	23.40	23.35	96.10	96.35	6.75	6.76	6.02	5.94	5.8	5.6
			18:32	8.0	4.0	28.40		8.48		23.29		96.60		6.77		5.86		5.3	
	24/6/2024	Fine	6:51	8.5	4.3	28.20	28.20	8.51	8.52	22.73	22.82	94.10	96.00	6.78	6.83	4.01	3.94	6.5	6.2
			6:52	8.5	4.3	28.20		8.52		22.90		97.90		6.87		3.86		5.8	
	26/6/2024	Fine	7:37	8.3	4.2	28.50	28.50	8.48	8.48	18.21	18.33	88.60	88.85	6.60	6.65	1.69	1.81	3.4	3.6
			7:38	8.3	4.2	28.50		8.48		18.44		89.10		6.69		1.92		3.8	
	28/6/2024	Cloudy	9:41	8.2	4.1	26.70	26.80	8.36	8.37	18.94	18.90	90.20	88.90	6.60	6.53	3.74	3.62	3.0	3.4
			9:42	8.2	4.1	26.90		8.37		18.85		87.60		6.45		3.49		3.7	

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 CF (Bottom) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS		
						°C						%		mg/L		NTU		mg/L		
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	
CF	3/6/2024	Cloudy	9:10	8.5	7.5	26.40	26.40	8.32	8.31	26.51	26.36	83.70	83.35	6.25	6.23	1.98	1.86	2.6	2.5	
			9:11	8.5	7.5	26.40		8.30		26.21		83.00		6.20		1.73		2.3		
			10:42	8.7	7.7	25.90	25.85	8.33	8.33	30.02	30.00	83.40	84.10	6.19	6.27	2.70	2.42	8.0	8.2	
	5/6/2024	Cloudy	10:43	8.7	7.7	25.90		8.32		30.02		84.90		6.27		2.13		8.4		
			11:55	8.8	7.8	26.20	26.20	8.32	8.33	29.40	29.39	84.60	84.70	6.31	6.32	2.37	2.29	2.8	3.0	
			11:56	8.8	7.8	26.20		8.33		29.37		84.80		6.32		2.20		3.2		
	11/6/2024	Fine	16:16	8.6	7.6	27.50	27.50	8.38	8.38	27.64	27.59	82.70	82.10	6.18	6.16	3.28	3.23	1.4	1.4	
			16:17	8.6	7.6	27.50		8.38		27.54		81.50		6.14		3.17		1.3		
			17:50	8.6	7.6	28.00	27.95	8.39	8.40	27.62	27.58	97.30	96.75	6.83	6.81	0.19	0.22	1.8	1.8	
	13/6/2024	Cloudy	17:51	8.6	7.6	27.90		8.40		27.53		96.20		6.78		0.25		1.7		
	15/6/2024		Amber Rainstorm	WQM was cancelled due to adverse weather																
	17/6/2024		Fine	8:52	8.3	7.3	27.60	27.60	8.27	8.27	26.34	26.32	89.20	89.10	6.19	6.18	3.60	3.53	9.0	10.2
	8:53			8.3	7.3	27.60		8.27		26.29		89.00		6.17		3.46		11.3		
	9:47			8.3	7.3	27.50	27.55	8.28	8.34	26.02	26.08	89.70	89.00	6.74	6.72	4.02	4.10	5.4	5.3	
	19/6/2024	Cloudy	9:48	8.3	7.3	27.60		8.39		26.14		88.30		6.69		4.17		5.2		
			11:02	8.7	7.7	27.90	27.85	8.32	8.31	24.73	24.80	90.10	91.20	6.46	6.56	4.24	4.13	1.2	1.3	
			11:03	8.7	7.7	27.80		8.30		24.87		92.30		6.65		4.02		1.4		
	24/6/2024	Fine	14:39	8.7	7.7	28.10	28.05	8.45	8.45	23.74	23.69	91.80	91.05	6.65	6.63	3.01	3.10	7.5	8.1	
			14:40	8.7	7.7	28.00		8.45		23.63		90.30		6.61		3.19		8.6		
			16:09	8.7	7.7	28.60	28.55	8.55	8.56	19.87	19.93	90.40	90.05	6.93	6.90	2.00	1.97	3.9	4.2	
	26/6/2024	Fine	16:10	8.7	7.7	28.50		8.56		19.98		89.70		6.86		2.00		3.9		
			17:39	8.7	7.7	26.60	26.65	8.25	8.25	21.84	21.78	93.00	93.15	6.71	6.73	1.89	1.97	4.0	4.5	
			17:40	8.7	7.7	26.70		8.25		21.72		93.30		6.74		2.04		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 CF (Bottom) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS				
						Value	AVG	Value	AVG	Value	ppt	Value	AVG	Value	AVG	mg/L	AVG	Value	NTU	Value	mg/L	AVG
CF	3/6/2024	Cloudy	16:40	8.1	7.1	26.30	26.30	8.35	8.35	26.23	26.11	83.00	82.55	6.20	6.18	2.19	2.16	4.7	4.6			
			16:41	8.1	7.1	26.39		8.34		25.99		82.10		6.15		2.13		4.5				
			18:46	8.2	7.2	25.90	25.85	8.39	8.40	30.26	30.32	84.40	84.60	6.19	6.20	2.57	2.75	6.4	6.6			
	5/6/2024	Cloudy	18:47	8.2	7.2	25.80		8.40		30.37		84.80		6.21		2.93		6.8				
			18:53	8.1	7.1	26.40	26.50	8.36	8.37	27.82	27.88	83.50	83.60	6.25	6.27	2.40	2.31	3.6	3.7			
			18:54	8.1	7.1	26.60		8.37		27.94		83.70		6.28		2.21		3.8				
	11/6/2024	Fine	7:47	8.3	7.3	27.00	27.05	8.32	8.32	27.81	27.88	83.90	83.50	6.25	6.23	2.58	2.63	1.8	1.9			
			7:48	8.3	7.3	27.10		8.31		27.94		83.10		6.20		2.67		1.9				
			8:02	8.4	7.4	27.80	27.75	8.39	8.39	25.57	25.52	96.70	96.85	6.92	6.93	1.12	1.24	4.3	4.5			
	13/6/2024	Cloudy	8:03	8.4	7.4	27.70		8.38		25.46		97.00		6.93		1.36		4.6				
			15/6/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																	
			17/6/2024	Fine	16:33	8.0	7.0	27.80	27.75	8.37	8.36	23.94	23.88	87.20	86.75	6.29	6.27	3.87	3.94	2.3	2.2	
	16:34	8.0	7.0		27.70		8.35		23.81		86.30		6.25		4.01		2.0					
	18:12	7.9	6.9		29.20	29.10	8.69	8.66	18.24	18.13	88.90	89.25	6.65	6.67	5.04	4.94	3.9	4.0				
	19/6/2024	Cloudy	18:13	7.9	6.9	29.00		8.63		18.01		89.60		6.68		4.84		4.4				
			18:34	8.0	7.0	27.90	27.90	8.34	8.34	25.48	25.50	90.70	91.00	6.41	6.47	5.54	5.61	7.2	7.0			
			18:35	8.0	7.0	27.90		8.34		25.51		91.30		6.53		5.67		6.8				
	24/6/2024	Fine	6:54	8.5	7.5	27.70	27.70	8.38	8.39	24.85	24.78	90.70	91.95	6.49	6.54	3.74	3.86	6.8	6.9			
			6:55	8.5	7.5	27.70		8.40		24.71		93.20		6.59		3.98		6.9				
			7:40	8.3	7.3	28.40	28.40	8.45	8.45	19.36	19.32	88.40	88.25	6.56	6.57	2.14	2.08	3.9	4.2			
	26/6/2024	Fine	7:41	8.3	7.3	28.40		8.44		19.27		88.10		6.56		2.01		3.9				
			9:44	8.2	7.2	26.20	26.20	8.17	8.18	22.85	22.77	87.40	88.75	6.49	6.57	2.43	2.51	4.9	5.3			
			9:45	8.2	7.2	26.20		8.18		22.68		90.10		6.64		2.59		5.7				

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



Lam Environmental Services Limited

Contract No. SD 15/2022
Outlying Island Sewerage Stage 2 – South Lantau Sewage Works –
Environmental Team Services (2023 – 2024)

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
SR4	2/7/2024	Cloudy	9:09	3.9	1.0	27.10		8.15	8.16	14.51	14.51	83.50	82.85	6.37	6.32	5.98	6.18	2.4	2.3
			9:10	3.9	1.0	27.10	27.10	8.16		14.50		82.20		6.27		6.37		2.1	
	4/7/2024	Cloudy	10:54	3.9	1.0	27.00	27.05	8.60	8.61	13.11	13.08	89.00	90.35	6.57	6.67	7.49	7.35	3.3	3.3
			10:55	3.8	1.0	27.10		8.61		13.04		91.70		6.77		7.21		3.2	
	6/7/2024	Cloudy	12:00	3.8	1.0	25.90	25.85	8.26	8.27	24.93	24.85	90.20	89.20	6.54	6.48	6.12	6.04	3.8	4.1
			12:01	3.8	1.0	25.80		8.27		24.76		88.20		6.41		5.96		4.3	
	8/7/2024	Cloudy	14:15	4.0	1.0	27.80	27.75	8.45	8.46	20.41	20.32	86.80	86.50	6.59	6.58	5.02	5.22	2.6	2.8
			14:16	4.0	1.0	27.70		8.46		20.22		86.20		6.57		5.42		2.9	
	10/7/2024	Fine	15:28	3.8	1.0	29.37	29.46	7.33	7.33	20.97	20.94	92.40	92.00	6.60	6.58	3.24	3.13	3.0	2.9
			15:29	3.8	1.0	29.54		7.32		20.90		91.60		6.55		3.01		2.7	
	12/7/2024	Cloudy	16:07	3.9	1.0	30.74	30.67	7.13	7.13	18.56	18.51	92.70	92.85	6.48	6.49	4.98	4.88	4.1	3.9
			16:08	3.9	1.0	30.59		7.13		18.46		93.00		6.49		4.77		3.7	
	15/7/2024	Fine	7:21	3.7	1.0	30.41	30.40	7.04	7.05	17.72	17.69	93.00	93.65	6.33	6.37	2.51	2.43	2.6	2.5
			7:22	3.7	1.0	30.38		7.05		17.65		94.30		6.41		2.34		2.4	
	17/7/2024	Cloudy	9:13	3.6	1.0	30.52	30.57	7.01		19.99		96.80		6.66		2.69		2.6	
			9:14	3.6	1.0	30.61		7.02		20.12	20.06	97.90	97.35	6.74	6.70	2.95	2.82	2.5	2.8
	19/7/2024	Cloudy	10:07	3.5	1.0	29.73	29.69	6.97	6.97	24.13	24.06	99.20	99.85	6.68	6.92	2.57	2.41	3.7	3.6
			10:08	3.5	1.0	29.64		6.96		23.99		100.50		6.95		2.25		3.4	
	22/7/2024	Cloudy	12:25	3.6	1.0	28.31	28.30	6.96	6.97	28.73	28.68	90.40	91.05	6.67	6.72	4.62	4.52	4.7	4.6
			12:26	3.6	1.0	28.28		6.97		28.63		91.70		6.77		4.41		4.5	
	24/7/2024	Cloudy	14:44	3.3	1.0	30.41	30.50	7.00	7.01	29.37	29.30	97.50	97.75	6.67	6.68	7.25	7.20	5.1	4.8
			14:45	3.3	1.0	30.59		7.01		29.22		98.00		6.69		7.14		4.4	
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																
	29/7/2024	Cloudy	7:09	3.5	1.0	27.89	27.80	6.92	6.92	25.57	25.68	86.60	86.95	6.44	6.46	2.62	2.82	<1.0	1.0
			7:10	3.5	1.0	27.71		6.92		25.79		87.30		6.48		3.01		<1.0	
	31/7/2024	Amber Rain Storm	WQM was cancelled due to adverse weather																

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



Lam Environmental Services Limited

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
SR4	2/7/2024	Cloudy	16:13	3.3	1.0	27.30	27.30	8.28	8.28	15.14	15.13	86.30	85.20	6.44	6.36	4.24	4.34	2.8	2.7
			16:14	3.3	1.0	27.30		8.28		15.11		84.10		6.28		4.44		2.5	
	4/7/2024	Cloudy	18:39	3.2	1.0	27.10	27.15	8.52	8.53	13.19	13.18	90.00	89.20	6.73	6.67	6.99	6.92	3.6	3.5
			18:40	3.2	1.0	27.20		8.53		13.17		88.40		6.61		6.84		3.4	
	6/7/2024	Cloudy	18:31	3.2	1.0	25.30	25.30	8.10	8.10	22.47	22.42	85.90	85.35	6.23	6.19	6.37	6.30	8.1	7.7
			18:32	3.2	1.0	25.30		8.09		22.36		84.80		6.15		6.23		7.2	
	8/7/2024	Cloudy	7:17	3.3	1.0	27.00	27.10	8.35	8.35	17.98	18.12	88.60	89.35	6.39	6.44	6.32	6.53	3.4	6.7
			7:18	3.3	1.0	27.20		8.35		18.25		90.10		6.48		6.74		9.9	
	10/7/2024	Cloudy	8:05	3.5	1.0	28.80	28.77	7.31	7.31	21.70	21.66	89.80	90.15	6.31	6.34	3.64	3.57	3.9	3.9
			8:06	3.5	1.0	28.74		7.30		21.62		90.50		6.36		3.49		3.8	
	12/7/2024	Cloudy	9:00	3.7	1.0	30.24	30.17	7.13	7.13	18.73	18.66	89.10	88.70	6.37	6.29	3.60	3.47	3.4	4.1
			9:01	3.7	1.0	30.10		7.12		18.59		88.30		6.21		3.34		4.5	
	15/7/2024	Fine	14:37	3.4	1.0	30.74	30.67	7.07	7.07	18.51	18.42	95.40	95.80	6.46	6.48	2.31	2.43	3.7	3.5
			14:38	3.4	1.0	30.59		7.06		18.33		96.20		6.50		2.54		3.2	
	17/7/2024	Cloudy	16:47	3.3	1.0	29.97	29.98	7.01	7.01	23.21	23.31	94.70	93.65	6.41	6.39	2.96	3.17	2.0	2.2
			16:48	3.3	1.0	29.98		7.00		23.41		92.60		6.36		3.37		2.3	
	19/7/2024	Cloudy	18:31	3.2	1.0	29.25	29.21	6.97	6.98	23.14	23.08	92.20	92.05	6.52	6.51	3.42	3.27	4.3	4.1
			18:32	3.2	1.0	29.17		6.98		23.02		91.90		6.50		3.11		3.8	
	22/7/2024	Cloudy	18:09	3.2	1.0	27.94	27.88	7.01	7.01	29.15	29.08	86.70	86.65	6.36	6.36	5.12	4.91	3.5	3.4
			18:10	3.2	1.0	27.81		7.01		29.01		86.60		6.36		4.70		3.3	
	24/7/2024	Cloudy	7:31	3.6	1.0	29.90	29.82	7.00	7.01	29.48	29.43	96.20	95.40	6.79	6.75	4.00	3.99	2.6	2.7
			7:32	3.6	1.0	29.73		7.01		29.37		94.60		6.71		3.98		2.8	
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																
	29/7/2024	Cloudy	13:41	3.2	1.0	27.25	27.28	6.95	6.95	28.73	28.68	90.60	89.90	6.56	6.53	3.19	3.41	1.7	1.8
			13:42	3.2	1.0	27.30		6.95		28.62		89.20		6.50		3.62		1.8	
	31/7/2024	Cloudy	17:02	3.6	1.0	28.20	28.26	6.92	6.92	28.64	28.58	97.00	96.20	6.58	6.50	7.72	7.65	4.1	4.0
			17:03	3.6	1.0	28.32		6.92		28.52		95.40		6.42		7.58		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.



Lam Environmental Services Limited

Contract No. SD 15/2022
Outlying Island Sewerage Stage 2 – South Lantau Sewage Works –
Environmental Team Services (2023 – 2024)

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
SR4	2/7/2024	Cloudy	9:11	3.9	2.9	27.00	26.95	8.14	8.14	14.73	14.66	86.50	87.70	6.61	6.70	5.73	5.64	2.8	2.7
			9:12	3.9	2.9	26.90		8.14		14.59		88.90		6.79		5.54		2.5	
	4/7/2024	Cloudy	10:56	3.8	2.8	27.20	27.25	8.56	8.55	13.36	13.46	88.00	87.10	6.49	6.44	6.98	7.12	3.7	3.3
			10:57	3.8	2.8	27.30		8.54		13.56		86.20		6.38		7.25		2.9	
	6/7/2024	Cloudy	12:02	3.8	2.8	25.40	25.40	8.20	8.19	25.28	25.19	90.70	90.10	6.50	6.46	7.12	7.31	3.6	3.4
			12:03	3.8	2.8	25.40		8.18		25.09		89.50		6.41		7.49		3.1	
	8/7/2024	Cloudy	14:18	3.8	2.8	27.20	27.10	8.35	8.36	21.98	22.06	83.90	84.35	6.35	6.38	6.12	5.99	2.9	3.3
			14:19	4.0	3.0	27.00		8.36		22.14		84.80		6.41		5.86		3.7	
	10/7/2024	Fine	15:30	3.8	2.8	29.29	29.30	7.31	7.31	22.64	22.54	91.30	90.90	6.52	6.50	2.94	2.85	3.3	3.2
			15:31	3.8	2.8	29.30		7.31		22.43		90.50		6.47		2.76		3.0	
	12/7/2024	Cloudy	16:09	3.9	2.9	30.69	30.82	7.12	7.12	18.34	18.54	97.20	97.30	6.77	6.78	5.23	5.33	4.4	5.2
			16:10	3.9	2.9	30.94		7.12		18.74		97.40		6.79		5.42		5.9	
	15/7/2024	Fine	7:23	3.6	2.7	30.38	30.45	7.04	7.04	18.88	18.90	95.80	96.55	6.79	6.83	2.25	2.31	2.9	3.2
			7:24	3.7	2.7	30.51		7.04		18.91		97.30		6.86		2.37		3.4	
	17/7/2024	Cloudy	9:15	3.6	2.6	30.61	30.58	7.00	7.00	20.13	20.08	90.60	91.15	6.30	6.33	3.41	3.29	2.2	2.3
			9:16	3.6	2.6	30.55		6.99		20.02		91.70		6.36		3.16		2.4	
	19/7/2024	Cloudy	10:09	3.5	2.5	29.32	29.37	6.99	6.94	24.57	24.66	95.50	95.75	6.61	6.64	2.60	2.71	3.6	3.9
			10:10	3.5	2.5	29.41		6.94		24.74		96.00		6.67		2.81		4.1	
	22/7/2024	Cloudy	12:27	3.6	2.6	28.31	28.37	6.98	6.98	28.02	28.12	90.80	90.30	6.69	6.66	3.40	3.56	3.2	3.4
			12:28	3.6	2.6	28.42		6.97		28.21		89.80		6.63		3.71		3.6	
	24/7/2024	Cloudy	14:46	3.3	2.3	30.42	30.37	7.01	7.01	29.27	29.22	96.60	97.25	6.58	6.63	6.37	6.33	10.2	26.4
			14:47	3.3	2.3	30.31		7.01		29.16		97.90		6.68		6.28		42.6	
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																
	29/7/2024	Cloudy	7:11	3.5	2.5	27.49	27.57	6.92	6.93	28.29	28.21	90.70	89.95	6.64	6.62	3.94	3.89	1.6	1.7
			7:12	3.5	2.5	27.64		6.93		28.12		89.20		6.60		3.83		1.8	
	31/7/2024	Amber Rain Storm	WQM was cancelled due to adverse weather																

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



Lam Environmental Services Limited

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
SR4	2/7/2024	Cloudy	16:15	3.3	2.3	27.30	27.25	8.29	8.29	15.37	15.24	84.40	84.10	6.31	6.29	5.19	5.30	3.1	3.4
			16:16	3.3	2.3	27.20		8.28		15.10		83.80		6.26		5.40		3.6	
	4/7/2024	Cloudy	18:41	3.2	2.2	27.40	27.35	8.56	8.55	12.71	12.82	93.00	92.35	6.88	6.83	7.49	7.69	1.1	1.4
			18:42	3.2	2.2	27.30		8.54		12.93		91.70		6.77		7.88		1.6	
	6/7/2024	Cloudy	18:33	3.2	2.2	25.20	25.20	8.11	8.12	22.53	22.67	88.20	87.75	6.39	6.37	7.86	7.94	8.3	6.7
			18:34	3.2	2.2	25.20		8.13		22.80		87.30		6.34		8.01		5.0	
	8/7/2024	Cloudy	7:19	3.3	2.3	26.50	26.55	8.14	8.13	24.14	24.05	90.20	89.45	6.49	6.46	5.67	5.48	4.4	4.6
			7:20	3.3	2.3	26.60		8.12		23.95		88.70		6.43		5.29		4.8	
	10/7/2024	Cloudy	8:07	3.5	2.5	28.37	28.40	7.33	7.33	23.99	23.93	92.00	91.85	6.49	6.47	3.33	3.44	4.4	4.6
			8:08	3.5	2.5	28.43		7.32		23.87		91.70		6.45		3.54		4.7	
	12/7/2024	Cloudy	9:02	3.7	2.7	29.51	29.43	7.13	7.13	23.11	23.02	82.80	82.95	6.16	6.19	3.51	3.46	6.2	5.7
			9:03	3.7	2.7	29.34		7.12		22.93		83.10		6.22		3.41		5.2	
	15/7/2024	Fine	14:39	3.4	2.4	30.35	30.38	7.05	7.05	18.59	18.66	97.20	96.65	6.58	6.54	3.24	3.13	4.3	4.1
			14:40	3.4	2.4	30.40		7.04		18.73		96.10		6.49		3.01		3.8	
	17/7/2024	Cloudy	16:49	3.3	2.3	29.73	29.67	7.02	7.02	24.51	24.48	91.60	91.05	6.66	6.63	2.98	2.83	2.5	2.8
			16:50	3.3	2.3	29.61		7.01		24.45		90.50		6.60		2.67		3.0	
	19/7/2024	Cloudy	18:33	3.2	2.2	29.37	29.31	6.96	6.97	27.12	27.24	94.80	93.90	6.77	6.68	3.47	3.52	7.5	5.6
			18:34	3.2	2.2	29.24		6.97		27.35		93.00		6.59		3.56		3.6	
	22/7/2024	Cloudy	18:11	3.2	2.2	27.77	27.81	6.99	7.00	28.95	28.90	89.40	89.00	6.63	6.59	6.07	6.17	4.1	4.3
			18:12	3.2	2.2	27.84		7.00		28.84		88.60		6.55		6.27		4.5	
	24/7/2024	Cloudy	7:33	3.6	2.6	29.69	29.76	7.00	7.01	29.09	29.14	91.90	92.90	6.41	6.48	4.25	4.06	3.0	2.7
			7:34	3.6	2.6	29.82		7.01		29.19		93.90		6.55		3.87		2.4	
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																
	29/7/2024	Cloudy	13:43	3.2	2.2	27.27	27.26	6.96	6.96	29.08	29.14	88.90	88.30	6.40	6.38	4.51	4.30	2.8	2.7
			13:44	3.2	2.2	27.25		6.95		29.19		87.80		6.36		4.08		2.5	
	31/7/2024	Cloudy	17:04	3.6	2.6	28.20	28.17	6.93	6.93	28.71	28.83	89.10	89.35	6.51	6.53	6.36	6.39	3.0	3.4
			17:05	3.6	2.6	28.14		6.92		28.95		89.60		6.55		6.42		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.



Lam Environmental Services Limited

Contract No. SD 15/2022
Outlying Island Sewerage Stage 2 – South Lantau Sewage Works –
Environmental Team Services (2023 – 2024)

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
						°C		-		ppt		%		mg/L		NTU		mg/L	
SR5	2/7/2024	Cloudy	9:19	4.2	1.0	27.30	27.25	8.14	8.15	14.94	14.83	85.50	86.25	6.41	6.46	7.01	6.94	3.0	2.8
			9:20	4.2	1.0	27.20		8.15		14.72		87.00		6.50		6.87		2.6	
	4/7/2024	Cloudy	11:03	4.2	1.0	27.30	27.30	8.57	8.59	13.09	13.05	90.60	89.60	6.69	6.62	5.84	5.73	3.2	3.6
			11:04	4.2	1.0	27.30		8.60		13.00		88.60		6.55		5.62		3.9	
	6/7/2024	Cloudy	12:10	4.2	1.0	25.40	25.35	8.19	8.18	25.43	25.41	88.40	87.00	6.45	6.34	5.62	5.43	5.4	4.8
			12:11	4.2	1.0	25.30		8.17		25.39		85.60		6.23		5.24		4.2	
	8/7/2024	Cloudy	15:11	4.3	1.0	28.20	28.10	8.54	8.54	20.25	20.17	85.30	85.65	6.37	6.42	7.24	7.13	3.6	3.7
			14:06	4.4	1.0	28.00		8.53		20.09		86.00		6.46		7.02		3.8	
	10/7/2024	Fine	15:11	4.3	1.0	29.52	29.67	7.33	7.33	21.55	21.57	93.20	93.80	6.36	6.40	2.69	2.91	3.1	3.1
			15:12	4.3	1.0	29.81		7.32		21.58		94.40		6.44		3.12		3.0	
	12/7/2024	Cloudy	15:56	4.2	1.0	30.51	30.47	7.13	7.14	19.50	19.48	95.80	96.20	6.66	6.73	5.12	4.98	9.9	52.2
			15:57	4.2	1.0	30.42		7.14		19.45		96.60		6.79		4.84		94.4	
	15/7/2024	Fine	7:31	4.0	1.0	30.80	30.62	7.05	7.05	17.94	17.90	91.50	92.10	6.46	6.50	3.50	3.44	2.6	2.8
			7:32	4.0	1.0	30.44		7.04		17.86		92.70		6.53		3.38		3.0	
	17/7/2024	Cloudy	9:23	4.0	1.0	31.01	30.93	6.98	6.98	19.41	19.37	93.60	92.85	6.40	6.36	3.79	3.91	2.7	2.8
			9:24	4.0	1.0	30.85		6.98		19.32		92.10		6.32		4.02		2.8	
	19/7/2024	Cloudy	10:16	3.9	1.0	29.50	29.48	6.98	6.96	24.59	24.58	97.60	96.95	6.81	6.78	3.19	3.05	3.4	3.1
			10:17	3.9	1.0	29.45		6.95		24.56		96.30		6.74		2.90		2.8	
	22/7/2024	Cloudy	12:39	4.1	1.0	28.37	28.30	6.98	6.98	28.09	28.07	90.50	89.35	6.68	6.64	3.81	3.73	3.5	3.4
			12:40	4.1	1.0	28.22		6.98		28.05		88.20		6.59		3.64		3.2	
	24/7/2024	Cloudy	14:34	3.8	1.0	30.27	30.28	7.01	7.01	29.31	29.41	94.00	94.10	6.52	6.53	7.83	7.89	11.2	9.8
			14:35	3.8	1.0	30.29		7.00		29.51		94.20		6.53		7.95		8.4	
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																
	29/7/2024	Cloudy	7:19	3.9	1.0	27.56	27.48	6.92	6.92	27.26	27.36	89.40	89.95	6.61	6.62	3.36	3.27	2.6	2.5
			7:20	3.9	1.0	27.40		6.92		27.45		90.50		6.63		3.17		2.3	
	31/7/2024	Amber Rain Storm	WQM was cancelled due to adverse weather																

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



Lam Environmental Services Limited

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
						°C		-		ppt		%		mg/L		NTU		mg/L	
SR5	2/7/2024	Cloudy	16:05	3.7	1.0	27.00	27.05	8.28	8.28	15.44	15.33	84.90	84.35	6.36	6.34	5.67	5.76	3.1	2.9
			16:06	3.7	1.0	27.10		8.27		15.21		83.90		6.31		5.84		2.6	
			18:30	3.6	1.0	26.40	26.35	8.13	8.14	22.17	22.13	90.60	90.95	6.69	6.71	6.73	6.49	3.7	3.0
	4/7/2024	Cloudy	18:31	3.6	1.0	26.30		8.14		22.09		91.30		6.73		6.24		2.3	
			18:21	3.7	1.0	24.90	24.95	8.09	8.09	22.14	22.26	94.10	94.75	6.69	6.72	6.24	6.39	7.5	7.1
			18:22	3.7	1.0	25.00		8.09		22.37		95.40		6.74		6.54		6.7	
	8/7/2024	Cloudy	7:26	3.8	1.0	27.00	27.00	8.33	8.34	18.43	18.49	90.70	90.65	6.61	6.61	7.77	7.90	4.1	3.8
			7:27	3.8	1.0	27.00		8.35		18.54		90.60		6.60		8.02		3.4	
			8:14	3.8	1.0	28.72	28.69	7.32	7.32	22.25	22.12	94.60	94.15	6.56	6.53	3.47	3.35	4.2	4.2
	10/7/2024	Cloudy	8:15	3.8	1.0	28.65		7.32		21.99		93.70		6.50		3.22		4.2	
			9:09	3.9	1.0	29.92	30.03	7.14	7.15	19.50	19.62	92.70	92.35	6.81	6.78	3.72	3.87	4.0	4.6
			9:10	3.9	1.0	30.13		7.15		19.74		92.00		6.75		4.02		5.2	
	15/7/2024	Fine	14:27	3.6	1.0	30.62	30.58	7.04	7.04	18.21	18.18	94.90	95.15	6.60	6.62	2.80	2.96	3.2	3.3
			14:28	3.6	1.0	30.53		7.04		18.15		95.40		6.63		3.12		3.4	
			16:38	3.7	1.0	30.12	30.01	7.02	7.02	23.12	23.04	88.90	89.70	6.44	6.46	3.72	3.83	2.5	2.4
	17/7/2024	Cloudy	16:39	3.7	1.0	29.90		7.02		22.96		90.50		6.48		3.94		2.2	
			18:22	3.5	1.0	29.10	29.23	6.96	6.96	25.04	25.14	94.50	93.85	6.53	6.50	3.61	3.74	3.0	3.2
			18:23	3.5	1.0	29.36		6.96		25.24		93.20		6.46		3.86		3.4	
	22/7/2024	Cloudy	17:58	3.5	1.0	27.75	27.85	7.00	7.01	28.74	28.79	87.50	88.45	6.44	6.50	5.42	5.53	4.7	4.8
			17:59	3.5	1.0	27.95		7.01		28.84		89.40		6.56		5.64		4.9	
			7:40	4.2	1.0	29.96	29.93	7.00	7.00	29.10	29.11	97.30	97.25	6.59	6.59	4.83	4.90	2.7	2.5
	24/7/2024	Cloudy	7:41	4.2	1.0	29.90		7.00		29.12		97.20		6.58		4.97		2.3	
			WQM was cancelled due to adverse weather																
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																
	29/7/2024	Cloudy	13:30	3.5	1.0	27.12	27.15	6.94	6.94	28.86	28.82	87.00	86.70	6.57	6.56	4.73	4.61	1.9	1.9
			13:31	3.5	1.0	27.17		6.94		28.77		86.40		6.55		4.48		1.8	
			16:54	3.9	1.0	28.25	28.33	6.92	6.92	28.73	28.65	87.20	88.50	6.38	6.39	9.23	9.15	4.5	4.2
	31/7/2024	Cloudy	16:55	3.9	1.0	28.41		6.92		28.56		89.90		6.40		9.07		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.



Lam Environmental Services Limited

Contract No. SD 15/2022
Outlying Island Sewerage Stage 2 – South Lantau Sewage Works –
Environmental Team Services (2023 – 2024)

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
						°C		-		ppt		%		mg/L		NTU		mg/L	
SR5	2/7/2024	Cloudy	9:22	4.2	3.2	26.90	26.90	8.11	8.12	15.13	15.03	87.10	86.20	6.57	6.53	7.12	7.29	5.9	10.9
			9:23	4.2	3.2	26.90		8.13		14.92		86.30		6.49		7.46		15.8	
	4/7/2024	Cloudy	11:06	4.2	3.2	26.00	26.00	8.02	8.01	22.47	22.41	89.60	88.45	6.63	6.54	4.84	4.99	5.7	4.9
			11:07	4.2	3.2	26.00		8.00		22.35		87.30		6.44		5.13		4.0	
	6/7/2024	Cloudy	12:13	4.2	3.2	25.10	25.15	8.19	8.19	25.45	25.39	88.80	89.10	6.46	6.48	5.09	5.34	3.5	3.5
			12:14	4.2	3.2	25.20		8.19		25.33		89.40		6.50		5.58		3.5	
	8/7/2024	Cloudy	14:08	4.4	3.4	27.50	27.45	8.35	8.36	22.03	22.14	84.60	84.20	6.33	6.31	6.43	6.28	3.9	4.2
			14:09	4.4	3.4	27.40		8.37		22.24		83.80		6.28		6.13		4.4	
	10/7/2024	Fine	15:14	4.3	3.3	29.00	29.05	7.29	7.30	24.24	24.15	92.10	92.35	6.25	6.27	2.94	2.77	2.7	3.1
			15:15	4.3	3.3	29.09		7.30		24.05		92.60		6.29		2.60		3.4	
	12/7/2024	Cloudy	15:59	4.2	3.2	30.01	29.93	7.14	7.13	22.51	22.46	92.30	92.50	6.41	6.42	5.38	5.53	7.6	8.4
			16:00	4.2	3.0	29.85		7.12		22.40		92.70		6.43		5.67		9.1	
	15/7/2024	Fine	7:34	4.0	3.0	30.37	30.31	7.05	7.05	19.09	19.23	90.50	89.60	6.35	6.30	3.54	3.63	3.9	3.8
			7:35	4.0	3.0	30.24		7.05		19.37		88.70		6.24		3.71		3.6	
	17/7/2024	Cloudy	9:26	4.0	3.0	30.98	31.05	6.99	6.99	19.90	20.02	98.20	97.30	6.58	6.54	3.52	3.66	2.9	3.0
			9:27	4.0	3.0	31.12		6.98		20.14		96.40		6.49		3.79		3.1	
	19/7/2024	Cloudy	10:18	3.9	2.9	29.39	29.40	6.96	6.96	24.20	24.25	93.40	93.30	6.58	6.58	2.57	2.71	10.8	10.5
			10:19	3.9	2.9	29.40		6.96		24.29		93.20		6.57		2.84		10.2	
	22/7/2024	Cloudy	12:42	4.1	3.1	28.17	28.25	6.70	6.69	27.88	27.92	88.80	88.30	6.61	6.57	5.31	5.63	5.2	4.9
			12:43	4.1	3.1	28.32		6.68		27.95		87.80		6.53		5.95		4.6	
	24/7/2024	Cloudy	14:36	3.8	2.8	30.25	30.18	7.01	7.01	29.73	29.67	92.40	91.90	6.36	6.33	8.42	8.34	8.6	12.1
			14:37	3.8	2.8	30.10		7.01		29.61		91.40		6.29		8.25		15.6	
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																
	29/7/2024	Cloudy	7:21	3.9	2.9	27.35	27.48	6.91	6.92	28.13	28.11	84.50	84.45	6.59	6.59	3.91	4.08	1.9	1.8
			7:22	3.9	2.9	27.60		6.92		28.08		84.40		6.58		4.24		1.6	
	31/7/2024	Amber Rain Storm	WQM was cancelled due to adverse weather																

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



Lam Environmental Services Limited

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
						°C		-		ppt		%		mg/L		NTU		mg/L	
SR5	2/7/2024	Cloudy	16:07	3.7	2.7	27.10	27.15	8.27	8.27	15.59	15.46	85.60	86.55	6.39	6.44	6.12	6.01	2.5	2.4
			16:08	3.7	2.7	27.20		8.27		15.33		87.50		6.49		5.89		2.2	
	4/7/2024	Cloudy	18:32	3.6	2.6	26.20	26.10	8.12	8.11	22.52	22.46	89.80	90.15	6.62	6.65	4.25	4.49	4.0	2.9
			18:33	3.6	2.6	26.00		8.10		22.40		90.50		6.67		4.72		1.8	
	6/7/2024	Cloudy	18:23	3.7	2.7	25.10	25.05	8.11	8.11	22.08	22.09	90.90	89.50	6.45	6.42	6.24	6.10	6.6	7.3
			18:24	3.7	2.7	25.00		8.10		22.10		88.10		6.38		5.96		8.0	
	8/7/2024	Cloudy	7:28	3.8	2.8	27.10	27.15	8.30	8.31	20.93	20.84	89.10	88.15	6.47	6.41	7.04	7.19	2.0	3.1
			7:29	3.8	2.8	27.20		8.31		20.74		87.20		6.34		7.34		4.1	
	10/7/2024	Cloudy	8:16	3.8	2.8	28.36	28.32	7.30	7.31	23.84	23.73	94.40	93.90	6.60	6.58	3.02	3.22	3.8	3.5
			8:17	3.8	2.8	28.28		7.31		23.62		93.40		6.55		3.42		3.2	
	12/7/2024	Cloudy	9:11	3.9	2.9	29.41	29.30	7.14	7.14	23.84	23.75	92.20	91.60	6.66	6.81	3.44	3.29	4.5	4.4
			9:12	3.9	2.9	29.18		7.13		23.65		91.00		6.75		3.13		4.3	
	15/7/2024	Fine	14:29	3.6	2.6	30.51	30.46	7.06	7.06	19.02	18.96	94.40	93.35	6.53	6.48	3.14	3.04	4.2	4.1
			14:30	3.6	2.6	30.40		7.05		18.90		92.30		6.42		2.94		4.0	
	17/7/2024	Cloudy	16:40	3.7	2.7	29.70	29.76	7.01	7.02	24.87	24.91	91.40	91.95	6.53	6.55	2.95	2.61	3.1	3.4
			16:41	3.7	2.7	29.81		7.02		24.95		92.50		6.57		2.27		3.6	
	19/7/2024	Cloudy	18:24	3.5	2.5	29.13	29.08	6.96	6.97	26.79	26.74	88.90	88.20	6.54	6.51	4.01	3.91	4.8	6.4
			18:25	3.5	2.5	29.02		6.97		26.68		87.50		6.48		3.81		7.9	
	22/7/2024	Cloudy	18:00	3.5	2.5	27.83	27.79	7.00	7.00	28.96	29.04	92.40	91.95	6.67	6.65	5.82	5.70	4.2	4.0
			18:01	3.5	2.5	27.74		7.00		29.12		91.50		6.62		5.57		3.8	
	24/7/2024	Cloudy	7:43	4.2	3.2	29.91	29.92	7.01	7.01	29.09	29.10	95.40	95.55	6.25	6.27	4.43	4.31	2.4	2.5
			7:44	4.2	3.2	29.93		7.01		29.10		95.70		6.28		4.18		2.6	
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																
	29/7/2024	Cloudy	13:32	3.5	2.5	27.20	27.18	6.95	6.95	28.97	28.98	86.60	87.90	6.63	6.67	4.33	4.42	2.5	2.3
			13:33	3.5	2.5	27.16		6.95		28.88		89.20		6.70		4.50		2.1	
	31/7/2024	Cloudy	16:56	3.9	2.9	28.08	28.10	6.92	6.92	28.04	28.14	94.50	95.45	6.44	6.49	6.97	7.11	4.2	4.7
			16:57	3.9	2.9	28.12		6.91		28.24		96.40		6.53		7.25		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.



Lam Environmental Services Limited

Contract No. SD 15/2022
Outlying Island Sewerage Stage 2 – South Lantau Sewage Works –
Environmental Team Services (2023 – 2024)

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
						°C		-		ppt		%		mg/L		NTU		mg/L	
SR6	2/7/2024	Cloudy	9:28	2.8	1.4	26.70	26.75	8.14	8.15	14.13	14.09	82.40	83.60	6.23	6.33	7.62	7.37	4.2	4.5
			9:29	2.9	1.4	26.80		8.15		14.05		84.80		6.43		7.12		4.6	
	4/7/2024	Cloudy	11:14	2.7	1.4	26.50	26.60	8.32	8.32	16.89	16.83	86.70	86.55	6.36	6.36	7.89	7.69	2.7	2.8
			11:15	2.7	1.4	26.70		8.32		16.77		86.40		6.35		7.49		2.8	
	6/7/2024	Cloudy	12:19	2.7	1.4	24.90	24.95	8.17	8.19	25.24	25.13	86.00	85.70	6.26	6.20	7.43		4.3	4.4
			12:20	2.7	1.4	25.00		8.20		25.01		85.40		6.14		8.01	7.72	4.4	
	8/7/2024	Cloudy	13:54	2.9	1.5	28.10	28.05	8.55	8.54	20.37	20.19	85.00	85.65	6.17	6.20	7.23	7.05	2.7	2.9
			13:55	2.9	1.5	28.00		8.53		20.00		86.30		6.23		6.87		3.0	
	10/7/2024	Fine	15:08	2.7	1.4	29.58	29.66	7.32	7.33	21.34	21.45	94.30	94.25	6.44	6.44	2.73	2.87	3.0	3.1
			15:09	2.7	1.4	29.73		7.33		21.56		94.20		6.43		3.01		3.1	
	12/7/2024	Cloudy	15:47	2.7	1.4	30.37	30.66	7.10	7.10	18.61	18.71	93.10	92.50	6.43	6.41	5.94	5.64	22.3	14.5
			15:48	2.7	1.3	30.94		7.10		18.80		91.90		6.38		5.33		6.6	
	15/7/2024	Fine	7:41	2.6	1.3	30.16	30.22	7.04	7.05	19.00	18.95	95.80	94.65	6.53	6.50	2.67	2.50	3.4	3.2
			7:42	2.5	1.3	30.27		7.05		18.89		93.50		6.46		2.32		3.0	
	17/7/2024	Cloudy	9:34	2.6	1.3	31.12	31.05	6.71	6.71	20.21	20.16	96.90	97.10	6.52	6.56	4.56	4.34	2.8	2.7
			9:35	2.6	1.3	30.97		6.70		20.10		97.30		6.59		4.12		2.6	
	19/7/2024	Cloudy	10:27	2.6	1.3	29.37	29.26	6.97	6.97	25.10	24.97	90.40	89.55	6.25	6.19	3.01	2.87	3.3	4.1
			10:28	2.6	1.3	29.14		6.96		24.83		88.70		6.12		2.73		4.9	
	22/7/2024	Cloudy	12:49	2.7	1.4	29.01	28.89	6.69	6.70	28.24	28.18	88.20	87.10	6.49	6.44	4.61	4.51	4.6	4.4
			12:50	2.7	1.4	28.76		6.71		28.12		86.00		6.38		4.41		4.2	
	24/7/2024	Cloudy	14:25	2.5	1.3	30.23	30.22	7.02	7.02	28.90	28.95	96.80	96.60	6.58	6.57	7.43	7.53	10.4	12.6
			14:26	2.5	1.3	30.21		7.02		28.99		96.40		6.56		7.62		14.8	
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																
	29/7/2024	Cloudy	7:30	2.6	1.3	27.34	27.29	6.90	6.90	28.49	28.35	85.20	85.35	6.36	6.37	3.49	3.38	2.6	2.5
			7:31	2.6	1.3	27.24		6.90		28.20		85.50		6.37		3.27		2.3	
	31/7/2024	Amber Rain Storm	WQM was cancelled due to adverse weather																

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



Lam Environmental Services Limited

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
						°C		-		ppt		%		mg/L		NTU		mg/L	
SR6	2/7/2024	Cloudy	15:55	2.3	1.2	27.10	27.05	8.30	8.30	15.24	15.13	82.40	82.90	6.15	6.19	6.67	6.55	3.4	3.1
			15:56	2.3	1.2	27.00		8.29		15.02		83.40		6.22		6.43		2.8	
	4/7/2024	Cloudy	18:21	2.2	1.1	25.70	25.75	8.09	8.09	22.76	22.67	87.60	86.85	6.53	6.49	5.98	6.12	1.8	2.7
			18:22	2.2	1.1	25.80		8.08		22.58		86.10		6.44		6.25		3.6	
	6/7/2024	Cloudy	18:10	2.2	1.1	24.80	24.85	8.15	8.14	21.13	21.00	86.20	85.35	6.22	6.16	8.12	8.06	6.8	6.0
			18:11	2.2	1.1	24.90		8.13		20.87		84.50		6.10		7.99		5.1	
	8/7/2024	Cloudy	7:36	2.5	1.3	26.70	26.80	8.37	8.36	18.86	18.91	87.00	86.80	6.42	6.39	6.90	6.95	3.1	3.3
			7:37	2.5	1.3	26.90		8.35		18.96		86.60		6.35		6.99		3.4	
	10/7/2024	Cloudy	8:24	2.5	1.3	28.09	28.13	7.28	7.29	24.01	23.92	100.60	101.05	6.97	7.00	4.01	3.77	3.9	3.7
			8:25	2.5	1.3	28.16		7.29		23.82		101.50		7.02		3.52		3.5	
	12/7/2024	Cloudy	9:20	2.5	1.3	29.82	29.92	7.15	7.15	20.26	20.39	93.90	92.60	6.28	6.23	4.38	4.49	3.8	4.4
			9:21	2.5	1.3	30.02		7.14		20.52		91.40		6.18		4.59		4.9	
	15/7/2024	Fine	14:16	2.3	1.2	30.78	30.85	7.06	7.06	18.08	18.15	91.00	91.55	6.28	6.34	3.41	3.36	3.2	3.3
			14:17	2.3	1.2	30.92		7.06		18.21		92.10		6.40		3.30		3.3	
	17/7/2024	Cloudy	16:28	2.3	1.2	29.41	29.39	6.98	6.99	23.24	23.21	90.50	91.05	6.39	6.41	3.14	3.05	1.9	1.8
			16:29	2.3	1.2	29.36		6.99		23.18		91.60		6.42		2.95		1.7	
	19/7/2024	Cloudy	18:10	2.3	1.2	28.61	28.59	6.98	6.98	26.18	26.09	90.80	91.50	6.25	6.31	3.19	3.04	3.4	3.2
			18:11	2.3	1.2	28.57		6.98		26.00		92.20		6.36		2.89		2.9	
	22/7/2024	Cloudy	17:49	2.4	1.2	27.98	27.96	7.02	7.02	23.45	24.39	89.60	89.85	6.62	6.65	6.73	6.65	4.5	4.7
			17:50	2.4	1.2	27.94		7.02		25.32		90.10		6.67		6.57		4.8	
	24/7/2024	Cloudy	7:49	2.7	1.4	30.08	30.05	7.02	7.02	28.72	28.70	97.80	96.25	6.39	6.31	3.27	3.46	2.5	2.4
			7:50	2.7	1.4	30.01		7.01		28.67		94.70		6.22		3.64		2.3	
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																
	29/7/2024	Cloudy	13:20	2.3	1.2	26.98	27.01	6.95	6.95	29.37	29.31	87.00	86.70	6.29	6.23	4.25	4.08	2.1	2.3
			13:21	2.3	1.2	27.04		6.94		29.25		86.40		6.16		3.91		2.4	
	31/7/2024	Cloudy	16:45	2.5	1.3	27.98	28.01	6.91	6.92	28.43	28.39	90.70	90.15	6.31	6.29	7.37	7.27	3.2	3.3
			16:46	2.5	1.3	28.04		6.92		28.35		89.60		6.26		7.17		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.



Lam Environmental Services Limited

Contract No. SD 15/2022
Outlying Island Sewerage Stage 2 – South Lantau Sewage Works –
Environmental Team Services (2023 – 2024)

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
SR9	2/7/2024	Cloudy	9:45	4.3	1.0	27.30	27.25	8.20	8.21	15.24	15.10	89.90	89.05	6.54	6.50	5.86	5.68	3.2	3.4
			9:46	4.3	1.0	27.20		8.22		14.96		88.20		6.45		5.50		3.5	
	4/7/2024	Cloudy	11:32	4.3	1.0	28.10	28.00	8.54	8.55	12.37	12.29	89.70	88.65	6.61	6.53	4.84	4.70	3.0	2.8
			11:33	4.3	1.0	27.90		8.55		12.21		87.60		6.45		4.56		2.6	
	6/7/2024	Cloudy	12:38	4.0	1.0	26.20	26.30	8.16	8.17	21.48	21.56	91.90	91.35	6.63	6.61	6.73	6.49	7.2	8.0
			12:39	4.0	1.0	26.40		8.17		21.64		90.80		6.59		6.24		8.8	
	8/7/2024	Cloudy	13:38	5.0	1.0	28.10	28.10	8.44	8.44	20.64	20.43	86.40	85.55	6.46	6.43	4.79	5.39	2.7	2.7
			13:39	5.0	1.0	28.10		8.43		20.22		84.70		6.39		5.98		2.6	
	10/7/2024	Fine	14:51	4.2	1.0	29.73	29.63	7.33	7.33	31.41	31.40	90.30	90.65	6.31	6.34	2.19	2.08	2.7	2.6
			14:52	4.2	1.0	29.53		7.32		31.38		91.00		6.36		1.97		2.4	
	12/7/2024	Cloudy	15:30	4.2	1.0	30.01	29.91	7.17	7.17	19.27	19.22	98.40	97.75	6.86	6.84	4.42	4.20	4.9	4.7
			15:31	4.2	1.0	29.80		7.16		19.17		97.10		6.82		3.98		4.5	
	15/7/2024	Fine	7:56	4.0	1.0	30.52	30.48	7.06	7.06	17.61	17.55	94.80	93.65	6.61	6.55	2.54	2.43	2.6	2.7
			7:57	4.1	1.0	30.43		7.05		17.48		92.50		6.48		2.32		2.8	
	17/7/2024	Cloudy	9:45	4.0	1.0	30.50	30.51	6.99	7.00	20.91	20.95	95.10	94.80	6.48	6.46	3.18	3.33	3.2	3.2
			9:46	4.0	1.0	30.51		7.00		20.98		94.90		6.44		3.47		3.0	
	19/7/2024	Cloudy	10:44	3.9	1.0	29.84	29.78	6.97	6.97	22.94	22.89	94.50	93.75	6.68	6.65	3.36	3.18	4.0	3.8
			10:45	3.9	1.0	29.72		6.96		22.83		93.00		6.62		3.00		3.6	
	22/7/2024	Cloudy	13:05	4.0	1.0	28.20	28.29	6.98	6.98	28.59	28.61	89.50	89.05	6.61	6.57	3.33	3.64	4.2	4.1
			13:06	4.0	1.0	28.37		6.98		28.63		88.60		6.52		3.94		4.0	
	24/7/2024	Cloudy	14:09	3.9	1.0	29.85	29.84	7.02	7.02	29.94	29.86	92.60	91.80	6.29	6.24	6.95	6.92	4.3	5.9
			14:10	3.9	1.0	29.82		7.02		29.77		91.00		6.19		6.88		7.4	
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																
	29/7/2024	Cloudy	7:47	3.9	1.0	27.42	27.49	6.93	6.93	27.70	27.50	87.60	86.45	6.79	6.72	2.86	2.80	2.7	2.5
			7:48	3.9	1.0	27.56		6.93		27.30		85.30		6.65		2.73		2.3	
	31/7/2024	Amber Rain Storm	WQM was cancelled due to adverse weather																

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



Lam Environmental Services Limited

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
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR9	2/7/2024	Cloudy	15:40	3.8	1.0	27.00	27.10	8.34	8.34	15.49	15.42	89.30	88.70	6.85	6.80	4.37	4.23	3.2	3.5
			15:41	3.8	1.0	27.20	8.33	15.35	88.10	6.74	4.08	3.8							
	4/7/2024	Cloudy	18:06	3.8	1.0	27.50	27.55	8.53	8.53	12.67	12.75	89.00	88.20	6.69	6.63	7.23	7.11	3.8	3.6
			18:07	3.8	1.0	27.60	8.52	12.82	87.40	6.57	6.98	3.3							
	6/7/2024	Cloudy	17:54	3.5	1.0	25.90	25.95	8.18	8.19	21.08	94.00	94.30	6.68	6.73	8.56	8.41	6.6	7.3	
			17:55	3.5	1.0	26.00	8.19	21.12	94.60	6.73	8.25	6.6							
	8/7/2024	Cloudy	7:52	4.3	1.0	27.50	27.45	8.41	8.40	21.02	20.95	92.30	91.65	6.83	6.77	7.12	7.22	3.0	3.4
			7:53	4.3	1.0	27.40	8.39	20.87	91.00	6.71	7.32	3.7							
	10/7/2024	Cloudy	8:41	3.9	1.0	28.84	28.75	7.31	7.31	21.94	21.87	93.20	93.40	6.79	6.80	2.64	2.43	2.8	2.7
			8:42	3.9	1.0	28.66	7.31	21.80	93.60	6.81	2.22	2.6							
	12/7/2024	Cloudy	9:37	4.0	1.0	30.31	30.36	7.14	7.15	18.14	18.28	95.40	94.20	6.53	6.47	4.21	4.39	4.5	4.4
			9:38	4.0	1.0	30.41	7.15	18.41	93.00	6.41	4.57	4.2							
	15/7/2024	Fine	13:00	3.7	1.0	30.72	30.83	7.06	7.06	18.44	18.53	92.30	93.05	6.48	6.51	2.99	2.96	4.0	3.9
			13:01	3.7	1.0	30.94	7.05	18.62	93.80	6.54	2.92	3.8							
	17/7/2024	Cloudy	16:11	3.4	1.0	30.11	30.09	7.02	7.01	23.49	23.53	93.20	93.75	6.33	6.37	2.67	2.54	1.9	1.8
			16:12	3.4	1.0	30.06	7.00	23.56	94.30	6.40	2.41	1.6							
	19/7/2024	Cloudy	17:55	3.5	1.0	29.00	29.04	6.97	6.97	26.25	26.22	90.40	90.10	6.24	6.22	2.64	2.83	3.0	3.1
			17:56	3.5	1.0	29.08	6.96	26.18	89.80	6.19	3.01	3.1							
	22/7/2024	Cloudy	17:34	3.5	1.0	28.03	28.08	7.01	7.01	28.06	28.11	86.00	86.70	6.42	6.47	9.19	9.28	9.6	9.4
			17:35	3.5	1.0	28.13	7.00	28.16	87.40	6.52	9.37	9.2							
	24/7/2024	Cloudy	8:06	4.2	1.0	29.64	29.71	7.01	7.01	29.74	29.70	94.30	93.75	6.40	6.38	7.24	7.15	5.5	5.3
			8:07	4.2	1.0	29.77	7.01	29.66	93.20										
26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																	
29/7/2024	Cloudy	13:05	3.6	1.0	27.12	27.16	6.95	6.95	29.17	28.21	90.20	89.55	6.49	6.45	3.70	3.82	1.1	1.2	
		13:06	3.6	1.0	27.19	6.95	29.25	89.90	6.41	3.94	1.3								
31/7/2024	Cloudy	16:28	3.8	1.0	28.29	28.29	6.91	6.91	28.44	28.49	96.10	95.15	6.48	6.41	6.77	6.86	3.8	4.0	
		16:29	3.8	1.0	28.28	6.90	28.54	94.20	6.34	6.95	4.2								



Lam Environmental Services Limited

Contract No. SD 15/2022
Outlying Island Sewerage Stage 2 – South Lantau Sewage Works –
Environmental Team Services (2023 – 2024)

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
						°C		-		ppt		%		mg/L		NTU		mg/L	
SR9	2/7/2024	Cloudy	9:48	4.3	3.3	27.20	27.20	8.23	8.23	15.08	15.15	87.40	86.15	6.90	6.42	5.28	5.33	4.3	4.1
			9:49	4.3	3.3	27.20	27.20	8.23	8.23	15.21	15.15	84.90	86.15	6.94	6.42	5.37	5.33	3.9	3.9
	4/7/2024	Cloudy	11:35	4.3	3.3	28.20	28.20	8.46	8.46	14.84	14.73	86.50	87.55	6.31	6.42	5.12	5.43	3.3	3.2
			11:36	4.3	3.3	28.20	28.20	8.46	8.46	14.62	14.73	88.60	87.55	6.52	6.42	5.74	5.43	3.1	3.1
	6/7/2024	Cloudy	12:41	4.0	3.0	26.30	26.20	8.16	8.17	21.37	21.30	86.60	86.55	6.33	6.33	5.84	5.98	6.9	6.0
			12:42	4.0	3.0	26.10	26.10	8.18	8.18	21.23	21.30	86.50	86.55	6.33	6.33	6.12	5.98	5.0	5.0
	8/7/2024	Cloudy	13:42	5.0	4.0	28.30	28.20	8.49	8.44	21.94	21.87	84.60	84.95	6.61	6.63	4.12	4.01	4.4	4.0
			13:43	5.0	4.0	28.10	28.10	8.38	8.38	21.80	21.87	85.30	84.95	6.65	6.63	3.89	4.01	3.5	3.5
	10/7/2024	Fine	14:54	4.2	3.2	29.25	29.22	7.32	7.33	22.41	22.32	94.60	94.00	6.74	6.70	2.41	2.27	3.2	3.3
			14:55	4.2	3.2	29.19	29.22	7.33	7.33	22.23	22.32	93.40	94.00	6.65	6.70	2.13	2.27	3.3	3.3
	12/7/2024	Cloudy	15:33	4.2	3.2	29.81	29.83	7.15	7.15	20.01	19.91	96.60	95.95	6.74	6.72	4.68	4.74	4.5	4.4
			15:34	4.2	3.1	29.84	29.83	7.15	7.15	19.80	19.91	95.30	95.95	6.69	6.72	4.79	4.74	4.2	4.2
	15/7/2024	Fine	7:59	4.0	3.1	30.42	30.44	7.04	7.05	17.61	17.73	90.50	89.45	6.42	6.37	2.73	2.84	2.8	3.0
			8:00	4.1	3.1	30.45	30.44	7.05	7.05	17.84	17.73	88.40	89.45	6.32	6.37	2.94	2.84	3.1	3.1
	17/7/2024	Cloudy	9:48	4.0	3.0	30.31	30.28	7.00	7.00	20.41	21.37	96.20	97.30	6.74	6.79	3.02	2.81	2.3	2.5
			9:49	4.0	3.0	30.24	30.28	6.99	6.99	22.32	21.37	98.40	97.30	6.93	6.79	2.59	2.81	2.6	2.6
	19/7/2024	Cloudy	10:46	3.9	2.9	29.92	29.99	6.97	6.97	24.86	24.94	95.70	94.55	6.74	6.71	2.74	2.93	4.3	4.6
			10:47	3.9	2.9	30.05	29.99	6.97	6.97	25.01	24.94	93.40	94.55	6.67	6.71	3.12	2.93	4.8	4.6
	22/7/2024	Cloudy	13:08	4.0	3.0	28.25	28.17	6.70	6.85	29.01	28.62	90.20	89.40	6.59	6.53	6.12	6.07	2.3	5.4
			13:09	4.0	3.0	28.09	28.17	6.99	6.85	28.23	28.62	88.60	89.40	6.46	6.53	6.02	6.07	8.5	5.4
	24/7/2024	Cloudy	14:11	3.9	2.9	29.87	29.88	7.02	7.02	29.93	29.96	94.00	93.40	6.38	6.36	5.18	5.28	3.8	4.0
			14:12	3.9	2.9	29.89	29.88	7.01	7.02	29.98	29.96	92.80	93.40	6.33	6.36	5.37	5.28	4.2	4.2
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																
	29/7/2024	Cloudy	7:49	3.9	2.9	27.64	27.56	6.94	6.94	28.01	28.08	84.40	85.00	6.61	6.66	3.04	3.20	1.7	1.6
			7:50	3.9	2.9	27.48	27.56	6.93	6.94	28.14	28.08	85.60	85.00	6.70	6.66	3.36	3.20	1.5	1.6
	31/7/2024	Amber Rain Storm	WQM was cancelled due to adverse weather																

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



Lam Environmental Services Limited

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
						°C		-		ppt		%		mg/L		NTU		mg/L	
SR9	2/7/2024	Cloudy	15:42	3.8	2.8	27.10	27.05	8.27	8.29	15.45	15.65	87.10	88.45	6.49	6.54	3.97	4.05	2.4	2.6
			15:43	3.8	2.8	27.00	27.05	8.30	8.29	15.84	15.65	89.80	88.45	6.58	6.54	4.12	4.05	2.8	2.6
	4/7/2024	Cloudy	18:08	3.8	2.8	27.60	27.60	8.30	8.31	16.73	16.62	87.30	86.45	6.54	6.48	6.43	6.58	3.5	3.4
			18:09	3.8	2.8	27.60	27.60	8.31	8.31	16.50	16.62	85.60	86.45	6.41	6.48	6.72	6.58	3.2	3.2
	6/7/2024	Cloudy	17:56	3.5	2.5	25.80	25.85	8.18	8.19	20.97	20.92	93.90	94.20	6.70	6.73	7.24	7.25	7.2	6.7
			17:57	3.5	2.5	25.90	25.85	8.20	8.19	20.87	20.92	94.50	94.20	6.75	6.73	7.25	7.25	6.2	6.2
	8/7/2024	Cloudy	7:55	4.3	3.3	27.10	27.15	8.35	8.36	21.81	21.96	89.00	89.60	6.59	6.61	6.37	6.63	4.4	4.2
			7:56	4.3	3.3	27.20	27.15	8.36	8.36	22.10	21.96	90.20	89.60	6.62	6.61	6.89	6.63	3.9	3.9
	10/7/2024	Cloudy	8:43	3.9	2.9	28.48	28.49	7.29	7.30	23.74	23.80	93.60	94.40	6.85	6.87	2.35	2.54	3.2	3.8
			8:44	3.9	2.9	28.50	28.49	7.30	7.30	23.85	23.80	95.20	94.40	6.98	6.87	2.73	2.54	4.3	4.3
	12/7/2024	Cloudy	9:40	4.0	3.0	30.73	30.57	7.14	7.14	17.84	17.80	90.60	91.20	6.19	6.24	3.69	3.58	4.5	4.1
			9:41	4.0	3.0	30.41	30.57	7.13	7.14	17.76	17.80	91.80	91.20	6.29	6.24	3.46	3.58	3.7	3.7
	15/7/2024	Fine	13:02	3.7	2.7	30.64	30.61	7.05	7.05	19.42	19.27	88.20	87.35	6.52	6.46	3.61	3.52	3.8	3.7
			13:03	3.7	2.7	30.58	30.61	7.05	7.05	19.11	19.27	86.50	87.35	6.40	6.46	3.43	3.52	3.6	3.6
	17/7/2024	Cloudy	16:13	3.4	2.4	29.90	29.94	7.01	7.01	24.21	24.29	94.50	94.00	6.53	6.50	2.66	2.80	1.4	1.4
			16:14	3.4	2.4	29.98	29.94	7.01	7.01	24.36	24.29	93.50	94.00	6.46	6.50	2.94	2.80	1.3	1.3
	19/7/2024	Cloudy	17:57	3.5	2.5	29.18	29.14	6.95	6.96	27.82	27.88	92.10	92.35	6.31	6.30	3.39	3.31	2.6	2.8
			17:58	3.5	2.5	29.10	29.14	6.96	6.96	27.94	27.88	92.60	92.35	6.29	6.30	3.23	3.31	3.0	3.0
	22/7/2024	Cloudy	17:36	3.5	2.5	27.95	27.90	6.99	7.00	28.34	28.27	89.80	90.00	6.62	6.65	10.60	10.75	10.7	11.0
			17:37	3.5	2.5	27.84	27.90	7.00	7.00	28.20	28.27	90.20	90.00	6.67	6.65	10.90	10.75	11.2	11.0
	24/7/2024	Cloudy	8:09	4.2	3.2	29.68	29.63	7.01	7.02	29.81	29.88	90.30	89.45	6.23	6.20	4.16	4.32	4.0	4.6
			8:10	4.2	3.2	29.57	29.63	7.02	7.02	29.95	29.88	88.60	89.45	6.17	6.20	4.47	4.32	5.1	5.1
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																
	29/7/2024	Cloudy	13:07	3.6	2.6	27.08	27.05	6.94	6.95	28.24	28.31	89.50	89.80	6.46	6.50	4.01	3.89	<1.0	1.0
			13:08	3.6	2.6	27.01	27.05	6.95	6.95	28.37	28.31	90.10	89.80	6.53	6.50	3.76	3.89	<1.0	1.0
	31/7/2024	Cloudy	16:30	3.8	2.8	28.04	28.11	6.91	6.91	28.73	28.66	95.80	95.50	6.83	6.49	6.83	6.74	4.6	5.2
			16:31	3.8	2.8	28.17	28.11	6.91	6.91	28.59	28.66	95.20	95.50	6.48	6.49	6.65	6.74	5.8	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.



Lam Environmental Services Limited

Contract No. SD 15/2022
Outlying Island Sewerage Stage 2 – South Lantau Sewage Works –
Environmental Team Services (2023 – 2024)

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
						°C		-		ppt		%		mg/L		NTU		mg/L	
SR10	2/7/2024	Cloudy	9:53	2.7	1.4	27.00	26.95	8.17	8.18	15.11	15.13	90.30	89.95	6.70	6.65	4.12	3.92	2.9	2.7
			9:54	2.7	1.4	26.90		8.18		15.14		89.60		6.60		3.71		2.5	
	4/7/2024	Cloudy	11:42	2.7	1.4	28.20	28.15	8.56	8.56	12.90	13.01	83.90	84.15	6.17	6.22	7.49	7.37	3.1	2.7
			11:43	2.7	1.4	28.10		8.56		13.12		84.50		6.26		7.24		2.2	
	6/7/2024	Cloudy	12:48	2.6	1.3	26.10	26.00	8.17	8.16	21.04	21.06	88.20	88.35	6.42	6.43	8.56	8.34	4.6	6.9
			12:49	2.6	1.3	25.90		8.15		21.08		88.50		6.44		8.12		9.1	
	8/7/2024	Cloudy	13:29	2.8	1.4	27.60	27.50	8.35	8.36	22.11	22.21	84.40	84.35	6.53	6.53	5.43	5.31	4.3	4.4
			13:30	2.8	1.4	27.40		8.36		22.31		84.30		6.52		5.19		4.4	
	10/7/2024	Fine	14:41	2.8	1.4	29.24	29.17	7.33	7.33	23.15	23.10	92.50	92.35	6.24	6.24	3.00	2.65	3.8	3.6
			14:42	2.8	1.4	29.10		7.33		23.05		92.20		6.23		2.30		3.3	
	12/7/2024	Cloudy	15:19	2.7	1.4	30.11	30.02	7.14	7.14	19.84	19.77	92.40	91.85	6.46	6.41	4.24	4.09	3.4	3.8
			15:20	2.7	1.4	29.92		7.14		19.69		91.30		6.35		3.93		4.2	
	15/7/2024	Fine	8:05	2.5	1.4	30.54	30.49	7.05	7.05	18.11	18.00	90.00	89.10	6.32	6.28	2.41	2.26	3.0	2.9
			8:06	2.7	1.4	30.43		7.05		17.89		88.20		6.23		2.10		2.8	
	17/7/2024	Cloudy	9:53	2.5	1.3	29.98	29.97	7.01	7.02	23.64	23.79	90.70	91.05	6.21	6.24	3.67	3.53	2.2	2.4
			9:54	2.5	1.3	29.96		7.02		23.73		91.40		6.26		3.39		2.6	
	19/7/2024	Cloudy	10:53	2.5	1.3	29.36	29.32	6.94	6.95	25.86	25.79	89.00	89.60	6.20	6.22	2.90	2.41	3.0	2.9
			10:54	2.5	1.3	29.28		6.95		25.71		90.20		6.24		2.12		2.7	
	22/7/2024	Cloudy	13:16	2.6	1.3	28.06	28.13	6.99	6.99	29.15	29.03	83.60	84.15	6.17	6.23	10.80	10.33	12.2	11.5
			13:17	2.6	1.3	28.19		6.99		28.90		84.70		6.29		9.85		10.8	
	24/7/2024	Cloudy	13:58	2.4	1.2	29.95	29.92	7.01	7.01	29.37	29.33	94.70	93.65	6.43	6.41	4.73	4.66	4.0	3.5
			13:59	2.4	1.2	29.89		7.01		29.29		92.60		6.38		4.59		2.9	
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																
	29/7/2024	Cloudy	7:56	2.7	1.4	27.49	27.53	6.93	6.93	28.37	28.24	86.50	87.70	6.46	6.52	3.94	3.79	1.6	1.5
			7:57	2.7	1.4	27.56		6.93		28.10		88.90		6.58		3.63		1.4	
	31/7/2024	Amber Rain Storm	WQM was cancelled due to adverse weather																

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



Lam Environmental Services Limited

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
						°C		-		ppt		%		mg/L		NTU		mg/L	
SR10	2/7/2024	Cloudy	15:31	2.3	1.2	26.70	26.75	8.20	8.20	16.00	15.82	86.80	85.65	6.33	6.31	5.69	5.59	2.1	2.1
			15:32	2.3	1.2	26.80		8.19		15.63		84.50		6.28		5.48		2.1	
	4/7/2024	Cloudy	17:57	2.3	1.2	27.90	27.80	8.38	8.39	15.53	15.47	83.60	82.95	6.26	6.21	8.42	8.22	3.4	3.4
			17:58	2.3	1.2	27.70		8.40		15.41		82.30		6.15		8.01		3.4	
	6/7/2024	Cloudy	17:44	2.2	1.1	25.70	25.75	8.16	8.17	21.51	21.50	94.40	93.65	6.69	6.65	8.37	8.19	8.6	8.0
			17:45	2.2	1.1	25.80		8.17		21.49		92.90		6.61		8.01		7.4	
	8/7/2024	Cloudy	8:01	2.4	1.2	27.40	27.35	8.36	8.36	22.14	22.07	90.40	89.50	6.60	6.57	5.13	5.01	3.3	3.4
			8:02	2.4	1.2	27.30		8.36		21.99		88.60		6.54		4.89		3.4	
	10/7/2024	Cloudy	8:30	2.6	1.3	28.62	28.49	7.33	7.33	23.54	23.50	84.60	84.80	6.15	6.16	2.84	2.77	4.5	4.2
			8:31	2.6	1.3	28.36		7.32		23.46		85.00		6.17		2.69		3.8	
	12/7/2024	Cloudy	9:47	2.6	1.3	30.50	30.60	7.13	7.13	17.61	17.61	96.00	96.70	6.72	6.74	3.57	3.79	4.0	4.1
			9:48	2.6	1.3	30.69		7.13		17.60		97.40		6.76		4.01		4.1	
	15/7/2024	Fine	12:49	2.5	1.3	30.62	30.55	7.07	7.06	20.12	20.04	91.80	91.30	6.77	6.73	3.41	3.37	4.7	4.6
			12:50	2.5	1.3	30.47		7.05		19.96		90.80		6.68		3.33		4.5	
	17/7/2024	Cloudy	16:00	2.3	1.2	29.82	29.81	7.02	7.01	24.95	24.91	90.20	89.35	6.35	6.29	2.87	2.57	1.6	1.6
			16:01	2.3	1.2	29.79		7.00		24.86		88.50		6.22		2.27		1.5	
	19/7/2024	Cloudy	17:46	2.2	1.1	29.19	29.24	6.96	6.96	28.43	28.36	88.60	89.30	6.14	6.18	3.64	3.61	2.4	2.5
			17:47	2.2	1.1	29.28		6.95		28.29		90.00		6.22		3.58		2.5	
	22/7/2024	Cloudy	17:24	2.3	1.2	27.79	27.87	7.00	7.00	28.33	28.38	89.80	90.40	6.68	6.71	9.85	9.82	19.6	19.3
			17:25	2.3	1.2	27.94		7.00		28.43		91.00		6.73		9.79		19.0	
	24/7/2024	Cloudy	8:15	2.9	1.5	29.46	29.53	7.02	7.02	29.05	29.06	91.20	91.65	6.28	6.33	4.56	4.59	2.6	3.1
			8:16	2.9	1.5	29.59		7.02		29.06		92.10		6.38		4.62		3.6	
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																
	29/7/2024	Cloudy	12:54	2.4	1.2	27.08	27.09	6.95	6.95	28.73	28.69	86.40	86.35	6.27	6.26	3.25	3.10	1.2	1.1
			12:55	2.4	1.2	27.10		6.95		28.64		86.30		6.25		2.95		1.0	
	31/7/2024	Cloudy	16:19	2.5	1.3	28.41	28.48	6.91	6.92	27.91	27.83	92.50	92.90	6.24	6.25	8.47	8.24	4.4	3.9
			16:20	2.5	1.3	28.54		6.92		27.74		93.30		6.26		8.01		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.



Lam Environmental Services Limited

Contract No. SD 15/2022
Outlying Island Sewerage Stage 2 – South Lantau Sewage Works –
Environmental Team Services (2023 – 2024)

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
SR12	2/7/2024	Cloudy	9:58	2.8	1.4	27.10	27.05	8.18	8.18	15.24	15.39	84.40	84.40	6.29	6.20	3.98	4.18	4.4	4.7
			9:59	2.8	1.4	27.00		8.17		15.53		82.40	83.40	6.11		4.37		5.0	
			11:48	2.8	1.4	28.20	28.20	8.54	8.53	13.69	13.64	82.90	83.70	6.10		8.53	8.33	2.3	2.4
	4/7/2024	Cloudy	11:49	2.8	1.4	28.20		8.52		13.59		84.60		6.24	6.17	8.13		2.5	
			12:54	2.5	1.3	26.00	26.00	8.14	8.14	21.65	21.58	84.60	85.35	6.18	6.21	7.69	7.86	7.5	7.1
	6/7/2024	Cloudy	12:55	2.5	1.3	26.00		8.14		21.50		86.10		6.24		8.02		6.7	
			13:22	2.8	1.4	27.70	27.60	8.18	8.17	23.01	22.92	87.40	88.40	6.43	6.50	4.73	4.88	4.6	4.3
	8/7/2024	Cloudy	13:23	2.9	1.5	27.50		8.16		22.82		89.40		6.56		5.02		4.0	
			14:34	2.8	1.4	29.25	29.31	7.33	7.34	22.94	23.04	97.50	98.15	6.63	6.68	3.12	2.93	2.8	2.7
	10/7/2024	Fine	14:35	2.8	1.4	29.36		7.34		23.14		96.80		6.73		2.74		2.5	
			15:12	2.8	1.4	29.73	29.59	7.13	7.14	19.25	19.21	89.80	89.85	6.22	6.22	4.10	4.33	3.8	3.9
	12/7/2024	Cloudy	15:13	2.8	1.4	29.44		7.14		19.16		89.90		6.22		4.56		3.9	
			8:11	2.6	1.4	30.54	30.58	7.05	7.06	18.51	18.62	95.80	94.60	6.58	6.49	2.09	2.08	2.8	2.7
	15/7/2024	Fine	8:12	2.7	1.4	30.61		7.06		18.72		93.40		6.40		2.06		2.6	
			10:00	2.6	1.3	29.86	29.86	7.01	7.02	23.89	23.88	93.20	93.05	6.24	6.23	3.41	3.58	3.0	2.9
	17/7/2024	Cloudy	10:01	2.6	1.3	29.85		7.02		23.87		92.90		6.22		3.74		2.8	
			10:58	2.4	1.2	29.15	29.17	6.97	6.97	25.23	25.30	90.10	89.45	6.26	6.22	2.60	2.72	3.1	3.0
			10:59	2.4	1.2	29.19		6.96		25.37		88.80		6.18		2.84		2.8	
	19/7/2024	Cloudy	13:22	2.7	1.4	28.07	28.08	6.98	6.98	28.69	28.71	87.50	87.00	6.45	6.38	9.73	9.43	8.7	6.7
			13:23	2.7	1.4	28.09		6.98		28.73		86.50		6.31		9.12		4.6	
	22/7/2024	Cloudy	13:52	2.5	1.3	29.64	29.74	7.01	7.01	29.05	29.10	94.40	94.70	6.66	6.68	4.62	4.79	3.1	3.1
			13:53	2.5	1.3	29.84		7.01		29.14		95.00		6.70		4.95		3.1	
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																
	29/7/2024	Cloudy	8:01	2.5	1.3	27.68	27.64	6.93	6.93	28.12	28.21	84.80	85.05	6.59	6.62	3.95	3.81	1.2	1.2
			8:02	2.5	1.3	27.59		6.92		28.30		85.30		6.65		3.67		1.2	
	31/7/2024	Amber Rain Storm	WQM was cancelled due to adverse weather																

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



Lam Environmental Services Limited

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
SR12	2/7/2024	Cloudy	15:26	2.4	1.2	26.90	26.80	8.20	8.20	15.56	15.73	84.00	84.45	6.24	6.28	4.98	5.11	2.8	2.6
			15:27	2.4	1.2	26.70		8.20		15.89		84.90		6.32		5.23		2.3	
			17:52	2.4	1.2	27.80	27.80	8.40	8.40	15.41	15.40	82.90	82.25	6.19	6.15	7.52	7.68	3.0	3.6
	4/7/2024	Cloudy	17:53	2.4	1.2	27.80		8.40		15.39		81.60		6.10		7.84		4.1	
			17:39	2.1	1.1	25.90	25.90	8.16	8.16	21.04	21.07	88.80	88.10	6.41	6.39	8.24	8.37	8.3	8.8
	6/7/2024	Cloudy	17:40	2.1	1.1	25.90		8.16		21.10		87.40		6.37		8.49		9.2	
			8:07	2.6	1.3	27.20	27.30	8.32	8.33	22.23	22.35	87.20	87.70	6.49	6.53	5.86	5.94	3.3	3.2
	8/7/2024	Cloudy	8:08	2.6	1.3	27.40		8.33		22.47		88.20		6.56		6.02		3.1	
			8:58	2.5	1.3	29.01	28.85	7.30	7.31	23.34	23.25	94.60	94.20	6.50	6.47	2.51	2.42	2.4	3.0
	10/7/2024	Cloudy	8:59	2.5	1.3	28.69		7.31		23.16		93.80		6.44		2.32		3.5	
			9:55	2.7	1.4	30.51	30.49	7.14	7.14	17.59	17.56	93.40	92.55	6.42	6.35	4.12	4.06	4.2	4.1
	12/7/2024	Cloudy	9:56	2.7	1.4	30.47		7.14		17.52		91.70		6.27		3.99		4.0	
			12:42	2.4	1.2	30.46	30.59	7.06	7.06	19.34	19.43	88.70	88.80	6.52	6.53	3.18	3.33	4.4	4.6
	15/7/2024	Fine	12:43	2.4	1.2	30.71		7.05		19.51		88.90		6.54		3.47		4.7	
			15:53	2.3	1.2	29.88	29.89	7.01	7.01	24.99	25.03	91.00	91.55	6.28	6.33	1.96	2.26	1.5	1.6
	17/7/2024	Cloudy	15:54	2.3	1.2	29.90		7.01		25.06		92.10		6.38		2.56		1.7	
			17:41	2.2	1.1	28.76	28.88	6.97	6.96	27.64	27.61	92.80	91.90	6.23	6.20	2.98	3.05	3.2	3.0
	19/7/2024	Cloudy	17:42	2.2	1.1	28.99		6.95		27.57		91.00		6.16		3.12		2.7	
			17:19	2.4	1.2	27.95	27.90	6.99	6.99	28.56	28.50	93.50	92.45	6.94	6.90	10.25	9.97	17.4	17.8
	22/7/2024	Cloudy	17:20	2.4	1.2	27.85		6.99		28.44		91.40		6.85		9.69		18.1	
			8:20	2.8	1.4	29.39	29.27	7.01	7.01	29.10	29.14	95.80	94.95	6.49	6.45	4.52	4.51	2.7	3.0
	24/7/2024	Cloudy	8:21	2.8	1.4	29.14		7.01		29.17		94.10		6.41		4.50		3.2	
			WQM was cancelled due to adverse weather																
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																
	29/7/2024	Cloudy	12:47	2.3	1.2	27.15	27.13	6.95	6.95	28.60	28.67	87.00	87.60	6.30	6.34	3.27	3.52	<1.0	1.0
			12:48	2.3	1.2	27.10		6.94		28.73		88.20		6.37		3.76		<1.0	
	31/7/2024	Cloudy	16:13	2.3	1.2	28.50	28.45	6.92	6.92	28.18	28.22	89.40	89.80	6.40	6.46	7.74	7.83	2.6	2.6
			16:14	2.3	1.2	28.39		6.91		28.25		90.20		6.51		7.92		2.5	

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

**Impact Water Quality Monitoring at Station 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	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR15	2/7/2024	Cloudy	9:02	2.8	1.4	26.95		8.12	8.13	14.63	14.56	86.90	86.70	6.63	6.60	6.47	6.41	3.1	3.1
			9:03	2.8	1.4	27.00		8.14		14.49		86.50		6.57		6.35		3.1	
	4/7/2024	Cloudy	10:46	2.8	1.4	27.20	27.10	8.59	8.60	13.42	13.28	89.20	89.90	6.56	6.62	7.01	6.90	2.0	2.0
			10:47	2.8	1.4	27.00		8.60		13.14		90.60		6.67		6.79		1.9	
	6/7/2024	Cloudy	11:52	2.5	1.3	25.70	25.65	8.22	8.22	25.37	25.23	93.80	93.40	6.78	6.73	7.31	7.15	4.0	4.4
			11:53	2.5	1.3	25.60		8.22		25.08		93.00		6.68	6.73	6.98		4.8	
	8/7/2024	Cloudy	14:24	2.8	1.4	27.60	27.60	8.43	8.42	21.31	21.17	87.50	88.00	6.68	6.70	3.94	4.09	4.7	4.5
			14:25	2.8	1.4	27.60		8.41		21.03		88.50		6.72		4.24		4.3	
	10/7/2024	Fine	15:38	4.8	2.4	29.11	29.35	7.30	7.31	23.04	23.18	90.70	91.10	6.52	6.56	3.17	3.30	3.1	3.0
			15:39	4.8	2.4	29.59		7.31		23.31		91.50		6.59		3.42		2.9	
	12/7/2024	Cloudy	16:16	2.6	1.3	30.43	30.47	7.14	7.15	19.06	19.19	91.80	91.25	6.36	6.33	3.92	4.17	4.6	4.4
			16:17	2.6	1.3	30.51		7.15		19.31		90.70		6.29		4.42		4.2	
	15/7/2024	Fine	7:13	2.6	1.3	30.34	30.37	7.05	7.06	17.33	17.38	95.60	94.90	6.54	6.48	2.22	2.43	2.7	2.8
			7:14	2.6	1.3	30.40		7.06		17.42		94.20		6.41		2.64		2.9	
	17/7/2024	Cloudy	9:05	2.7	1.4	30.37	30.39	7.01	7.01	20.10	19.97	97.70	97.90	6.67	6.69	3.12	2.99	2.7	2.9
			9:06	2.7	1.4	30.40		7.00		19.84		98.10		6.70		2.86		3.0	
	19/7/2024	Cloudy	10:00	2.5	1.3	29.52	29.57	6.97	6.97	23.25	23.14	96.60	96.05	6.84	6.81	3.01	3.18	3.4	3.6
			10:01	2.5	1.3	29.61		6.97		23.02		95.50		6.77		3.34		3.7	
	22/7/2024	Cloudy	12:23	2.7	1.4	28.57	28.60	6.98	7.00	28.54	28.58	89.00	89.10	6.56	6.57	5.37	5.40	3.8	5.1
			12:24	2.7	1.4	28.63		7.01		28.61		89.20		6.57		5.43		6.4	
	24/7/2024	Cloudy	14:52	2.4	1.2	30.96	30.90	7.01	7.02	29.25	29.34	88.90	89.65	6.32	6.34	8.25	8.12	49.0	43.1
			14:53	2.4	1.2	30.84		7.02		29.42		90.40		6.36		7.98		37.2	
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																
	29/7/2024	Cloudy	7:01	2.7	1.4	27.34	27.37	6.91	6.92	27.89	27.90	87.50	88.10	6.62	6.65	4.25	4.20	1.3	1.4
			7:02	2.7	1.4	27.40		6.92		27.90		88.70		6.68		4.15		1.4	
	31/7/2024	Amber Rain Storm	WQM was cancelled due to adverse weather																

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

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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH -		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR15	2/7/2024	Cloudy	16:24	2.4	1.2	27.40	27.30	8.27	8.28	15.07	15.17	87.60	87.10	6.56	6.55	5.37	5.50	2.6	2.6
			16:25	2.4	1.2	27.20		8.28		15.27		86.60		6.53		5.63		2.6	
	4/7/2024	Cloudy	18:46	2.3	1.2	25.90	25.85	8.12	8.13	22.12	22.27	93.30	92.50	6.69	6.84	9.24	9.09	4.1	4.5
			18:47	2.3	1.2	25.80		8.14		22.42		91.70		6.79		8.94		4.9	
	6/7/2024	Cloudy	18:39	2.1	1.1	25.20	25.10	8.10	8.11	22.66	22.75	88.30	87.55	6.39	6.33	8.35	8.43	9.2	7.8
			18:40	2.1	1.1	25.00		8.12		22.84		88.80		6.27	6.33	8.51		6.4	
	8/7/2024	Cloudy	7:09	2.4	1.2	27.20	27.15	8.37	8.36	19.56	19.48	88.90	88.75	6.43	6.42	7.95	7.85	3.0	2.8
			7:10	2.4	1.2	27.10		8.35		19.39		88.60		6.40		7.74		2.6	
	10/7/2024	Cloudy	7:56	2.4	1.2	28.64	28.69	7.31	7.31	21.65	21.75	88.10	87.55	6.35	6.33	2.43	2.55	3.2	3.4
			7:57	2.4	1.2	28.73		7.31		21.84		87.00		6.30		2.67		3.6	
	12/7/2024	Cloudy	8:52	2.3	1.2	29.19	29.43	7.13	7.14	22.89	22.97	90.50	89.85	6.49	6.47	4.05	4.15	5.1	4.9
			8:53	2.3	1.2	29.67		7.14		23.04		89.20		6.44		4.25		4.6	
	15/7/2024	Fine	14:45	2.3	1.2	30.55	30.49	7.07	7.07	19.01	19.13	95.40	95.10	6.61	6.59	2.74	2.63	4.2	4.1
			14:46	2.3	1.2	30.42		7.07		19.24		94.80		6.57		2.51		4.0	
	17/7/2024	Cloudy	16:56	2.4	1.2	29.84	29.79	7.00	6.99	24.25	24.20	92.80	92.00	6.29	6.24	3.49	3.37	2.2	2.2
			16:57	2.4	1.2	29.74		6.98		24.15		91.20		6.19		3.24		2.2	
	19/7/2024	Cloudy	18:39	2.3	1.2	29.06	29.09	6.98	6.98	23.24	23.31	90.40	90.25	6.40	6.40	2.76	2.86	3.6	3.4
			18:40	2.3	1.2	29.12		6.97		23.37		90.10		6.39		2.95		3.2	
	22/7/2024	Cloudy	18:17	2.4	1.2	27.88	27.98	7.00	7.01	28.77	28.85	91.00	91.25	6.73	6.75	7.52	7.51	4.1	4.0
			18:18	2.4	1.2	28.08		7.01		28.82		91.50		6.77		7.49		3.9	
	24/7/2024	Cloudy	7:20	2.6	1.3	29.84	29.91	7.01	7.01	29.19	29.20	94.50	93.35	6.66	6.60	4.01	4.06	1.5	1.8
			7:21	2.6	1.3	29.98		7.01		29.21		92.20		6.53		4.11		2.0	
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																
	29/7/2024	Cloudy	13:49	2.4	1.2	27.30	27.27	6.95	6.95	28.40	28.39	91.00	90.10	6.60	6.53	3.73	3.61	1.2	1.4
			13:50	2.4	1.2	27.24		6.94		28.37		89.20		6.46		3.48		1.5	
	31/7/2024	Cloudy	17:08	2.6	1.3	28.41	28.35	6.92	6.92	28.32	28.38	98.10	99.55	6.65	6.72	9.11	9.27	2.5	2.4
			17:02	2.6	1.3	28.28		6.91		28.43		101.00		6.79		9.43		2.3	

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

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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS	
						°C						%		mg/L		NTU		mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CE	2/7/2024	Cloudy	10:10	8.6	1.0	27.30	27.25	8.16	8.17	14.62	14.73	91.30	91.65	6.81	6.85	4.08	4.00	2.4	2.3
			10:11	8.6	1.0	27.20		8.17		14.83		92.00		6.88		3.92		2.2	
			12:01	8.6	1.0	28.00		8.43		13.89		94.80		7.04		3.59		2.5	
	4/7/2024	Cloudy	12:02	8.6	1.0	27.90	27.95	8.44	8.44	13.70	13.80	91.00	92.90	6.71	6.88	3.98	3.79	2.8	2.8
			13:07	8.4	1.0	27.30		8.75		21.17		93.40		6.65		4.00		4.7	
			13:08	8.4	1.0	27.40		8.76		21.44		94.30		6.75		4.12		4.1	
	8/7/2024	Cloudy	13:10	8.9	1.0	28.20	28.10	8.43	8.44	21.02	21.11	89.10	89.65	6.86	6.88	3.01	2.94	5.8	5.0
			13:11	8.9	1.0	28.00		8.44		21.19		90.20		6.89		2.86		4.1	
			14:02	8.9	1.0	29.85		7.31		22.52		98.40		6.89		2.93		4.0	
	10/7/2024	Fine	14:03	8.9	1.0	29.97	29.91	7.30	7.31	22.73	22.63	96.40	97.40	6.75	6.82	2.84	2.89	3.8	3.9
			15:00	8.6	1.0	30.61		7.15		17.81		101.80		7.02		3.39		3.8	
			15:01	8.6	1.0	30.42		7.15		17.74		99.80		6.92		3.42		3.8	
	15/7/2024	Fine	8:24	8.5	1.0	30.49	30.46	7.04	7.05	18.24	18.18	95.40	95.95	6.83	6.85	2.52	2.65	2.9	3.1
			8:25	8.5	1.0	30.42		7.05		18.11		96.50		6.86		2.77		3.2	
			10:12	8.6	1.0	30.11		7.01		22.64		95.10		6.95		2.19		2.8	
	17/7/2024	Cloudy	10:13	8.6	1.0	30.04	30.08	7.00	7.01	22.55	22.60	94.20	94.65	6.90	6.93	2.25	2.22	3.0	2.9
			11:09	8.4	1.0	30.12		6.97		22.66		98.90		6.95		2.49		3.6	
			11:10	8.4	1.0	29.99		6.98		22.80		96.40		6.86		2.66		3.3	
	22/7/2024	Cloudy	13:35	8.4	1.0	28.37	28.33	6.70	6.85	28.84	28.84	92.60	93.60	6.84	6.94	5.02	5.14	4.5	3.7
			13:36	8.4	1.0	28.28		6.99		28.74		94.60		7.04		5.26		2.8	
			13:40	8.5	1.0	30.25		7.02		30.18		95.60		6.88		7.95		5.1	
	24/7/2024	Cloudy	13:41	8.5	1.0	30.14	30.20	7.00	7.01	30.23	30.21	94.40	95.00	6.83	6.86	8.65	8.30	4.4	4.8
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																
	29/7/2024	Cloudy	8:14	8.4	1.0	27.73	27.59	6.95	6.95	28.03	28.06	93.70	93.05	7.04	7.01	2.56	2.64	2.2	2.1
			8:15	8.4	1.0	27.45		6.94		28.08		92.40		6.98		2.72		2.0	
	31/7/2024	Amber Rain Storm	WQM was cancelled due to adverse weather																

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

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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG		
CE	2/7/2024	Cloudy	15:15	8.2	1.0	27.10	27.15	8.16	8.17	14.24	14.13	90.50	90.40	6.70	6.70	3.24	3.36	3.4	3.6		
			15:16	8.2	1.0	27.20		8.18		14.02		90.30		6.69		3.47		3.7			
			17:40	8.1	1.0	27.00		8.46		8.46		13.24		13.28		95.50		94.60		7.15	7.08
	4/7/2024	Cloudy	17:41	8.1	1.0	27.20	27.10	8.45	8.45	13.32	13.32	93.70	94.60	7.00	7.00	4.01	4.01	2.5	2.5		
			17:28	7.9	1.0	27.60		8.01		8.40		21.24		95.00		6.77		5.99		3.8	3.9
			17:29	7.9	1.0	27.40		8.79		8.79		21.06		95.80		6.82		5.42		4.0	4.0
	6/7/2024	Cloudy	8:20	8.6	1.0	27.70	27.60	8.35	8.36	20.97	20.93	92.00	92.30	6.85	6.85	4.01	4.01	2.8	3.1		
			8:21	8.6	1.0	27.50		8.37		20.88		92.60		6.89		4.12		3.4			
			9:11	8.6	1.0	28.87		7.32		22.80		98.60		6.92		2.19		4.2			
	10/7/2024	Cloudy	9:12	8.6	1.0	28.68	28.78	7.31	7.32	22.69	22.75	97.80	98.20	6.84	6.88	2.32	2.26	3.9	4.1		
			10:08	8.4	1.0	36.84		7.15		18.94		99.40		6.95		3.86		3.76		3.8	4.3
			10:09	8.4	1.0	30.58		7.14		18.68		98.60		6.86		3.65		4.8		4.4	
	12/7/2024	Cloudy	10:08	8.4	1.0	36.84	33.71	7.15	7.15	18.94	18.81	99.40	99.00	6.95	6.91	3.86	3.76	3.8	4.3		
			10:09	8.4	1.0	30.58		7.14		18.68		98.60		6.86		3.65		4.8		4.4	
			15/7/2024	Fine	12:30	8.3		1.0		30.91		30.80		7.05		7.06		17.94		17.89	97.40
	12:31	8.3	1.0		30.68	7.06	17.83	96.70	6.82	2.61	3.0										
	15:41	8.3	1.0		30.12	7.02	23.25	94.60	6.91	2.29	2.4		2.3	2.5							
	17/7/2024	Cloudy	15:42	8.3	1.0	30.09	30.11	7.01	7.02	23.18	23.22	94.30	94.45	6.90	6.91	2.65	2.65	2.6	2.6		
			17:29	8.2	1.0	29.00		6.98		6.78		25.41		94.40		6.87		2.11		2.9	2.8
			17:30	8.2	1.0	29.06		6.57		6.57		25.29		25.35		95.20		94.80		6.93	6.90
	19/7/2024	Cloudy	17:07	7.9	1.0	28.24	28.39	6.99	6.99	28.29	28.38	93.20	92.85	6.89	6.87	5.52	4.09	4.81	4.2	4.1	
			17:08	7.9	1.0	28.54		7.00		28.47		92.50		6.84		4.09		5.8			5.1
			22/7/2024	Cloudy	8:33	8.8		1.0		29.50		29.56		7.00		7.00		30.12			30.13
	8:34	8.8	1.0		29.61	7.00	30.14	97.60	6.84	6.61	4.4										
	24/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																		
26/7/2024	Cloudy		12:35	8.2	1.0	27.19	27.20	6.93	6.94	28.37	28.33	94.80	93.95	6.89	6.84	2.30	2.34	1.8	1.8		
12:36			8.2	1.0	27.20	6.94		28.29		93.10		6.79		2.37		1.8					
31/7/2024		Cloudy	16:00	8.1	1.0	28.81		28.88		6.93		6.93		28.51		28.46		94.90		95.75	6.81
16:01	8.1		1.0	28.94	6.92	28.40	96.60		6.92	7.05	2.7										



Lam Environmental Services Limited

Contract No. SD 15/2022
Outlying Island Sewerage Stage 2 – South Lantau Sewage Works –
Environmental Team Services (2023 – 2024)

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			
CE	2/7/2024	Cloudy	10:14	8.6	4.3	27.20	27.20	8.14	8.14	15.35	15.41	90.80	89.50	6.78	6.74	4.24	4.18	2.9	2.8			
			10:15	8.6	4.3	27.20		8.14		15.47		88.20		6.69		4.11		2.6				
			12:05	8.6	4.3	27.60		8.36		13.40		14.57		90.30		92.50		6.59		6.74	4.25	4.18
	4/7/2024	Cloudy	12:06	8.6	4.3	27.40	27.50	8.38	8.37	14.73	14.73	94.70	92.50	6.88	6.88	4.10	4.10	4.0	4.0			
			13:11	8.4	4.2	26.90		8.64		22.67		95.00		95.30		6.79		6.81		5.13	5.03	3.9
			13:12	8.4	4.2	26.80		8.63		22.52		95.60		95.30		6.83		6.83		4.92	4.92	4.2
	6/7/2024	Cloudy	13:14	8.9	4.5	27.60	27.60	8.39	8.38	21.97	21.91	87.70	87.55	6.71	6.70	2.59	2.73	4.0	4.0			
			13:15	8.9	4.5	27.60		8.37		21.84		87.40		6.69		2.87		4.0				
			14:06	8.9	4.5	29.51		7.31		23.19		89.80		90.70		6.65		6.66		1.61	1.77	2.5
	10/7/2024	Fine	14:07	8.9	4.5	29.35	29.43	7.30	7.31	23.09	23.14	91.60	90.70	6.67	6.66	1.93	1.77	2.3	2.3			
			15:04	8.6	4.3	30.01		7.13		20.87		96.30		94.85		6.58		6.58		2.82	2.77	3.2
			15:05	8.6	4.3	30.24		7.14		20.94		93.40		94.85		6.58		6.58		2.72	3.3	3.3
	12/7/2024	Cloudy	8:28	8.5	4.3	30.18	30.13	7.05	7.05	19.81	19.83	94.80	95.10	6.63	6.75	2.62	2.52	2.6	2.6			
			8:29	8.5	4.3	30.21		7.04		19.84		95.40		6.87		2.41		2.4				
			10:16	8.6	4.3	29.99		30.12		7.00		23.35		94.50		94.95		6.88		6.91	2.60	2.46
	17/7/2024	Cloudy	10:17	8.6	4.3	30.25	30.12		7.00	23.50	95.40	94.95	6.93	6.91	2.31	2.6						
			11:13	8.4	4.2	29.94			6.97	25.18	95.20	95.70	6.85	6.83	2.48	2.37	3.0					
			11:14	8.4	4.2	29.74		6.97	25.24	96.20	95.70	6.85	6.83	2.25	2.37	2.8						
	22/7/2024	Cloudy	13:39	8.4	4.2	28.19	28.22	6.99	6.85	28.54	28.64	91.00	90.90	6.72	6.72	6.12	6.05	4.0	5.0			
			13:40	8.4	4.2	28.25		6.71		28.73		90.80		6.71		5.97		5.9				
			13:44	8.5	4.3	29.97		7.01		29.61		95.20		93.90		6.87		6.82		8.89	8.73	6.7
	24/7/2024	Cloudy	13:45	8.5	4.3	30.02	30.00	7.01	29.57	92.60	6.77	8.56	8.31	7.7								
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																			
	29/7/2024	Cloudy	8:18	8.4	4.2	27.41	27.52	6.94	6.94	28.11	28.11	90.20	89.50	6.93	6.87	2.43	2.34	1.6	1.5			
			8:19	8.4	4.2	27.62		6.94		28.10		88.80		6.81		2.24						
	31/7/2024	Amber Rain Storm	WQM was cancelled due to adverse weather																			

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



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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L				
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG			
CE	2/7/2024	Cloudy	15:19	8.2	4.1	27.10	27.05	8.19	8.20	14.98	15.06	87.50	87.25	6.51	6.50	3.25	3.18	2.7	2.9			
			15:20	8.2	4.1	27.00		8.20		15.13		87.00		6.48		3.10		3.1				
			17:44	8.1	4.1	25.90		25.85		8.01		24.13		93.10		6.99		6.95		3.54	3.70	1.8
	4/7/2024	Cloudy	17:45	8.1	4.1	25.80	25.85	7.98	8.00	24.08	24.11	92.30	92.70	6.90	6.95	3.85	3.70	2.2	2.0			
			17:31	7.9	4.0	26.40		26.45		8.58		22.20		97.75		6.93		6.96		6.01	5.81	5.3
			17:32	7.9	4.0	26.50		8.67		22.37		98.00		6.98		5.60		5.2				
	6/7/2024	Cloudy	8:24	8.6	4.3	26.80	26.80	8.28	8.29	22.31	22.44	87.00	87.85	6.67	6.71	3.18	3.03	4.9	5.3			
			8:25	8.6	4.3	26.80		8.29		22.57		88.70		6.75		2.87		5.6				
			9:15	8.6	4.3	28.49		28.52		7.30		23.92		98.40		6.92		6.94		2.54	2.38	2.9
	10/7/2024	Cloudy	9:16	8.6	4.3	28.54	28.52	7.31	7.31	24.14	24.03	99.30	98.85	6.95	6.94	2.21	2.38	3.4	3.2			
			10:12	8.4	4.2	30.38		30.45		7.14		18.99		99.20		6.88		6.88		4.24	4.12	4.8
			10:13	8.4	4.2	30.51		7.14		19.05		99.10		6.87		4.00		3.8				
	12/7/2024	Cloudy	10:12	8.4	4.2	30.38	30.45	7.14	7.14	18.99	19.02	99.20	99.15	6.88	6.88	4.24	4.12	4.8	4.3			
			10:13	8.4	4.2	30.51		7.14		19.05		99.10		6.87		4.00		3.8				
			12:34	8.3	4.2	30.70		30.73		7.06		18.36		91.60		6.64		6.62		2.92	2.70	3.7
	15/7/2024	Fine	12:35	8.3	4.2	30.76	30.73	7.05	7.06	18.54	18.45	90.70	91.15	6.60	6.62	2.47	2.70	3.7	3.6			
			12:35	8.3	4.2	30.76		7.05		18.54		90.70		6.60		2.47		3.4				
			15:45	8.3	4.2	29.99		30.05		7.02		7.03		24.21		24.31		97.00		97.30	6.68	6.71
	17/7/2024	Cloudy	15:46	8.3	4.2	30.11	30.05	7.03	7.03	24.41	24.31	97.60	97.30	6.74	6.71	1.99	2.02	2.0	2.1			
			17:33	8.2	4.1	29.18		6.97		25.77		95.40		6.69		2.36		2.3				
			17:34	8.2	4.1	29.12		29.15		6.97		6.97		25.81		92.60		6.77		6.83	2.60	2.48
	19/7/2024	Cloudy	17:34	8.2	4.1	29.12	29.15	6.97	6.97	25.81	25.81	92.60	94.00	6.77	6.83	2.60	2.48	2.4	2.3			
			17:10	7.9	4.0	28.25		28.21		7.00		28.74		92.40		6.80		7.43		5.5		
			17:11	7.9	4.0	28.17		28.21		6.99		28.62		28.68		93.20		92.80		6.88	6.84	7.79
22/7/2024	Cloudy	8:37	8.8	4.4	29.50	29.44	7.00	7.01	30.61	30.55	95.90	96.45	6.75	6.78	7.19	6.60	6.3	5.9				
		8:38	8.8	4.4	29.37		29.44		7.01		30.49		97.00		6.80		6.00		5.5			
		26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																		
29/7/2024	Cloudy	12:39	8.2	4.1	27.21	27.26	6.94	6.94	28.34	28.42	93.10	93.05	6.71	6.72	2.75	2.59	1.3					
31/7/2024	Cloudy	12:40	8.2	4.1	27.30	27.26	6.93	6.88	28.50	28.62	93.00	93.55	6.72	6.79	2.42	6.25	1.2	1.6				
		16:04	8.1	4.1	28.79		6.78		28.10		93.10		6.78		6.37		2.6					
		18:05	8.1	4.1	28.76		6.92		28.63		94.00		6.77		6.37		2.6					



Lam Environmental Services Limited

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Outlying Island Sewerage Stage 2 – South Lantau Sewage Works –
Environmental Team Services (2023 – 2024)

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	2/7/2024	Cloudy	10:17	8.6	7.6	26.90	26.90	8.08	8.08	18.53	18.46	87.70	87.60	6.58	6.58	4.29	4.32	3.1	3.3		
			10:18	8.6	7.6	26.90	8.07	8.07	18.39	18.39	87.50	87.50	6.57	6.57	4.34	4.34	3.5	3.5			
			12:08	8.6	7.6	27.20	27.10	8.16	8.17	20.55	20.53	92.60	92.55	6.74	6.74	2.76	2.87	3.5	3.1		
	4/7/2024	Cloudy	12:09	8.6	7.6	27.00	27.00	8.17	8.17	20.50	20.50	92.50	92.50	6.74	6.74	2.98	2.98	3.8	3.8		
			13:14	8.4	7.4	26.00	26.10	8.27	8.27	24.89	24.95	93.80	94.80	6.69	6.69	4.56	4.56	3.8	4.4		
			13:15	8.4	7.4	26.20	26.10	8.27	8.27	25.01	24.95	95.80	94.80	6.85	6.77	4.69	4.63	5.0	4.4		
	8/7/2024	Cloudy	13:17	8.9	7.9	27.50	27.50	8.32	8.32	22.13	22.19	88.40	88.20	6.83	6.82	1.98	1.84	3.8	4.3		
			13:18	8.9	7.9	27.50	27.50	8.32	8.32	22.25	22.25	88.00	88.00	6.81	6.81	1.69	1.69	4.7	4.7		
			14:09	8.9	7.9	28.85	28.90	7.31	7.32	25.99	25.89	99.60	99.10	6.94	6.92	2.18	2.15	1.5	1.7		
	10/7/2024	Fine	14:10	8.9	7.9	28.94	28.90	7.32	7.32	25.79	25.79	96.60	96.60	6.90	6.90	2.12	2.12	1.8	1.8		
			15:07	8.6	7.6	29.11	29.00	7.11	7.11	25.73	25.57	93.10	92.90	6.52	6.51	2.02	2.10	1.9	2.2		
			15:08	8.6	7.6	28.88	28.90	7.11	7.11	25.41	25.41	92.70	92.70	6.49	6.49	2.17	2.17	2.4	2.4		
	15/7/2024	Fine	8:31	8.5	7.5	29.37	29.32	7.02	7.02	25.01	24.94	97.80	97.55	6.94	6.93	1.74	1.85	2.1	2.3		
			8:32	8.5	7.5	29.27	29.32	7.02	7.02	24.86	24.86	97.30	97.30	6.91	6.91	1.96	1.96	2.4	2.4		
			10:19	8.6	7.6	29.87	29.86	7.02	6.96	24.31	24.26	93.20	92.95	6.84	6.82	1.98	2.09	2.2	2.4		
	17/7/2024	Cloudy	10:20	8.6	7.6	29.84	29.86	6.90	6.90	24.20	24.20	92.70	92.70	6.80	6.80	2.19	2.19	2.5	2.5		
			11:16	8.4	7.4	29.07	29.10	6.95	6.95	26.89	26.89	97.40	97.10	6.88	6.87	1.69	1.76	2.5	2.5		
			11:17	8.4	7.4	29.13	29.10	6.94	6.95	27.06	26.98	96.80	96.80	6.86	6.87	1.82	1.82	2.4	2.4		
	22/7/2024	Cloudy	13:42	8.4	7.4	28.16	28.15	6.70	6.85	29.03	28.94	92.40	92.30	6.76	6.76	6.24	6.45	6.5	7.1		
			13:43	8.4	7.4	28.13	28.15	6.99	6.99	28.84	28.84	92.20	92.20	6.75	6.75	6.66	6.66	7.6	7.6		
			13:47	8.5	7.5	29.99	29.98	7.00	7.01	30.24	30.31	95.00	95.10	6.86	6.86	8.99	8.89	12.2	10.4		
	24/7/2024	Cloudy	13:48	8.5	7.5	29.96	29.98	7.01	7.01	30.38	30.31	95.20	95.20	6.86	6.86	8.79	8.79	8.5	8.5		
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																		
	29/7/2024	Cloudy	8:21	8.4	7.4	27.59	27.49	6.94	6.94	28.59	28.68	88.40	88.50	6.80	6.80	2.37	2.46	1.0	1.2		
			8:22	8.4	7.4	27.38	27.49	6.93	6.93	28.77	28.77	88.60	88.60	6.79	6.79	2.54	2.54	1.4	1.4		
	31/7/2024	Amber Rain Storm	WQM was cancelled due to adverse weather																		

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



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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH -		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L			
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CE	2/7/2024	Cloudy	15:22	8.2	7.2	26.40	26.45	8.05	8.04	20.47	20.41	84.00	85.10	6.27	6.35	2.51	2.66	2.3	2.2		
			15:23	8.2	7.2	26.50		8.03	8.03	20.35	20.35	86.20	86.20	6.43	6.43	2.80	2.80	2.1	2.1		
			17:47	8.1	7.1	25.50		7.98	7.98	25.53	25.47	92.50	92.05	6.94	6.91	3.17	3.13	2.5	2.6		
	4/7/2024	Cloudy	17:48	8.1	7.1	25.50	25.50	7.97	7.97	25.41	25.41	91.60	91.60	6.87	6.87	3.08	3.08	2.7	2.7		
			17:34	7.9	6.9	25.80		8.24	8.24	24.49	24.44	95.50	96.10	6.79	6.84	4.86	4.99	3.7	4.1		
			17:35	7.9	6.9	25.70		8.22	8.23	24.38	24.44	96.70	96.10	6.88	6.84	5.12	4.99	3.7	4.1		
	6/7/2024	Cloudy	8:27	8.6	7.6	26.40	26.45	8.23	8.23	23.42	23.28	89.00	88.30	6.80	6.75	2.02	2.07	5.1	4.6		
			8:28	8.6	7.6	26.50		8.23	8.23	23.14	23.28	87.60	88.30	6.70	6.75	2.12	2.07	4.0	4.6		
			9:18	8.6	7.6	28.44		7.31	7.31	23.64	23.58	99.20	99.10	6.94	6.92	2.02	2.08	5.2	4.8		
	10/7/2024	Cloudy	9:19	8.6	7.6	28.34	28.39	7.31	7.31	23.52	23.58	99.00	99.00	6.93	6.93	2.14	2.14	4.4	4.8		
			10:15	8.4	7.4	29.56		7.12	7.13	24.41	24.31	98.30	97.80	6.71	6.65	2.12	2.27	1.8	1.7		
			10:16	8.4	7.4	29.19		7.13	7.13	24.21	24.31	97.30	97.80	6.59	6.59	2.41	2.12	1.6	1.6		
	12/7/2024	Cloudy	10:16	8.4	7.4	29.19	29.38	7.13	7.13	24.21	24.31	97.30	97.80	6.59	6.59	2.41	2.12	1.6	1.6		
			12:37	8.3	7.3	30.29		7.03	7.04	20.37	20.29	93.20	92.45	6.71	6.67	2.19	2.26	3.7	3.9		
			12:38	8.3	7.3	30.33		7.04	7.04	20.20	20.29	91.70	92.45	6.63	6.63	2.33	2.44	4.0	4.0		
	15/7/2024	Fine	15:48	8.3	7.3	29.85	29.80	7.03	7.03	25.37	25.26	92.10	91.65	6.38	6.37	1.25	1.42	1.6	1.7		
			15:49	8.3	7.3	29.74		7.02	7.03	25.14	25.14	91.20	91.65	6.35	6.35	1.59	1.59	1.8	1.8		
			17:36	8.2	7.2	29.19		6.96	6.96	26.50	26.57	92.20	92.85	6.75	6.77	2.28	2.24	2.6	3.3		
	19/7/2024	Cloudy	17:37	8.2	7.2	29.19	29.19	6.97	6.97	26.64	26.57	93.50	92.85	6.78	6.77	2.20	2.20	4.0	4.0		
			17:13	7.9	6.9	28.10		7.01	7.01	29.07	29.17	92.00	92.10	6.79	6.80	7.95	7.60	6.2	6.4		
			17:14	7.9	6.9	28.35		7.00	7.00	29.26	29.17	92.20	92.10	6.80	6.80	7.25	7.25	6.6	6.6		
	22/7/2024	Cloudy	8:40	8.8	7.8	29.52	28.23	7.01	7.01	30.55	30.57	94.40	93.25	6.69	6.65	6.25	6.88	8.7	8.0		
			8:41	8.8	7.8	29.46		7.00	7.00	30.59	30.57	92.10	92.10	6.61	6.61	7.51	7.51	7.2	7.2		
			26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																
	29/7/2024	Cloudy	12:42	8.2	7.2	27.25	27.28	6.93	6.94	28.14	28.13	95.20	95.50	6.91	6.93	2.89	2.96	<1.0	1.0		
			12:43	8.2	7.2	27.30		6.94	6.94	28.11	28.13	95.80	95.80	6.94	6.94	3.02	3.02	1.0	1.0		
	31/7/2024	Cloudy	16:07	8.1	7.1	28.77	28.81	6.88	6.85	28.74	28.66	93.20	92.40	6.77	6.70	5.13	5.30	2.4	2.5		
16:08			8.1	7.1	28.84	6.82		6.82	28.57	28.66	91.60	92.40	6.62	6.62	5.46	5.46	2.5	2.5			

**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	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG							
CF	2/7/2024	Cloudy	8:43	8.7	1.0	26.80	26.85	8.07	8.07	12.18	12.29	87.70	87.10	6.81	6.79	5.19	5.31	2.6	2.7							
			8:44	8.7	1.0	26.90		8.07		12.40		86.50		6.76		5.43		2.8								
			10:26	8.7	1.0	27.20		8.51		15.57		95.70		7.02		4.21		5.6								
	4/7/2024	Cloudy	10:27	8.7	1.0	27.15	27.15	8.49	8.50	15.40	15.50	95.30	95.50	6.98	7.00	4.57	4.39	3.0	4.3							
			11:32	8.6	1.0	25.60		8.24		24.08		88.50		6.45		4.02		6.7								
			11:33	8.6	1.0	25.70		8.26		24.24		87.00		6.38		6.42		4.07		5.9	6.3					
	8/7/2024	Cloudy	14:42	8.7	1.0	27.40	27.35	8.46	8.45	20.25	20.21	89.80	88.70	6.77	6.70	2.41	2.29	4.9	5.0							
			14:43	8.7	1.0	27.30		8.44		20.17		87.60		6.63		2.17		5.0								
			15:54	8.8	1.0	29.94		7.31		20.73		100.80		102.65		6.93		6.99		2.56	2.78	3.6	3.5			
	10/7/2024	Fine	15:55	8.8	1.0	29.80	29.87	7.29	7.30	20.59	20.66	104.50	102.65	7.04	6.99	2.99	2.78	3.3	3.5							
			16:34	8.5	1.0	30.23		30.32		7.12		7.12		22.44		22.58		103.70		102.80	7.11	7.08	3.37	3.25	4.2	3.9
			16:35	8.5	1.0	30.41				7.11				22.71				101.90			7.05		3.12		3.6	
	15/7/2024	Fine	6:55	8.6	1.0	30.38	30.40		7.04	7.05	19.20		19.22	101.90	102.15		6.96	7.00	2.13		2.07		3.4		3.2	
			6:56	8.6	1.0	30.41		7.05	19.24		102.40	7.03		2.01		3.0										
			8:46	8.5	1.0	30.23		30.14	6.98		6.99	20.26		20.32		99.10	98.75		6.95	6.82		3.47	3.31	2.9		2.8
	8:47	8.5	1.0	30.04	6.99	20.37	98.40		6.79	3.14		2.6														
	19/7/2024	Cloudy	9:40	8.5	1.0	29.62	29.73		6.96	6.97		22.88	22.90		104.50	105.10		7.11	7.13		2.23	2.16		4.0	3.8	
			9:41	8.5	1.0	29.84		6.97	22.91		105.70	7.15		2.09	3.6											
			12:03	8.6	1.0	28.00		28.11	6.97		6.97	27.94		27.98	95.30		95.55	6.98		7.01	2.44		2.32	2.5		2.7
	12:04	8.6	1.0	28.22	6.96	28.02	95.80		7.04	2.19		2.8														
	24/7/2024	Cloudy	15:11	8.4	1.0	30.39	30.40		7.01	7.01		28.97	29.55	102.20	101.40	6.96	6.92	4.61	4.49	2.7	2.9					
			15:12	8.4	1.0	30.41			7.00			30.12		100.60		6.88		4.37		3.0						
			WQM was cancelled due to adverse weather																							
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																							
	29/7/2024	Cloudy	6:42	8.6	1.0	27.91	27.80		6.91	6.91		26.20	26.25	89.80	88.70	6.87	6.85	3.19	3.21	<1.0	1.0					
			6:43	8.6	1.0	27.69			6.91			26.29		87.60		6.83		3.23		<1.0						
	31/7/2024	Amber Rain Storm	WQM was cancelled due to adverse weather																							

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

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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L		
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	
CF	2/7/2024	Cloudy	16:47	8.2	1.0	27.10	27.15	8.16	8.16	12.62	12.73	91.50	91.25	6.91	6.90	4.24	4.37	3.0	2.9	
			16:48	8.2	1.0	27.20		8.15		12.84		91.00		6.88		4.49		2.7		
			19:04	8.0	1.0	27.20		8.70		13.19		93.40		92.90		6.89		6.85		4.79
	4/7/2024	Cloudy	19:05	8.0	1.0	27.30	27.25	8.71	8.71	13.42	13.31	92.40	92.55	6.81	6.81	5.02	5.02	3.1	3.1	
			18:58	8.0	1.0	25.50		8.50		23.70		93.00		6.64		5.98		10.1		10.6
			18:59	8.0	1.0	25.40		8.28		27.59		92.10		6.57		6.12		11.1		
	6/7/2024	Cloudy	6:49	8.4	1.0	26.70	26.80	8.20	8.21	21.13	21.06	93.50	93.90	6.73	6.75	2.79	2.91	4.8	4.9	
			6:50	8.4	1.0	26.90		8.21		20.99		94.30		6.77		3.02		4.9		
			7:37	8.4	1.0	28.38		7.31		21.12		87.50		88.10		6.19		6.22		3.04
	10/7/2024	Cloudy	7:38	8.4	1.0	28.47	7.30	21.37	88.70	6.24	3.19	5.3								
			8:34	8.3	1.0	30.42	7.14	7.15	21.61	21.73	99.10	98.75	6.97	6.94	2.73	2.62	3.8	3.8		
			8:35	8.3	1.0	30.51	7.15		21.84		98.40		6.90		2.51		3.7			
	15/7/2024	Fine	15:04	8.2	1.0	30.82	30.75	7.03	7.04	18.41	18.37	102.70	101.30	6.98	6.93	2.94	3.12	3.4	3.3	
			15:05	8.2	1.0	30.67		7.04		18.32		99.90		6.88		3.30		3.2		
			17:14	8.2	1.0	30.24		7.01		20.46	20.53	94.60	93.60	6.73	6.69	3.52	3.39	3.2	3.1	
	17:15	8.2	1.0	30.37	7.02	20.57		92.60		6.65		3.25		2.9						
	19/7/2024	Cloudy	18:51	8.1	1.0	29.16	29.21	6.99	6.99	22.56	22.65	96.40	97.05	6.95	6.90	2.88	2.65	2.9	3.1	
			18:52	8.1	1.0	29.25		6.99		22.74		97.70		6.95		2.42		3.2		
			18:37	8.0	1.0	28.39		6.96		28.05	28.15	95.20	94.15	6.98	6.92	2.51	2.36	2.4	2.5	
	22/7/2024	Cloudy	18:38	8.0	1.0	28.43		6.97		28.24		93.10		6.86		2.21		2.6		
			7:05	8.6	1.0	29.68	29.74	6.99	6.99	28.86	28.93	99.20	100.40	6.96	7.00	3.09	3.16	3.0	2.9	
			7:06	8.6	1.0	29.79		6.99		28.99		101.60		7.04	3.23	3.16	2.7			
26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																		
29/7/2024	Cloudy	14:07	8.2	1.0	27.26	27.39	6.94	6.95	26.73	26.62	93.50	94.00	6.80	6.92	2.85	2.79	1.2	1.4		
		14:08	8.2	1.0	27.51		6.95		26.51		92.70		6.72		2.72		1.5			
31/7/2024	Cloudy	17:28	8.3	1.0	28.18	28.20	6.90	6.91	28.99	28.97	103.80	104.00	6.85	6.91	4.47	4.60	2.6	2.2		
		17:29	8.3	1.0	28.21		6.91		28.95		104.20		6.96		4.73		1.8			



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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature		pH		Salinity		DO Saturation		DO		Turbidity		SS	
						°C						%		mg/L		NTU		mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CF	2/7/2024	Cloudy	8:47	8.7	4.4	26.70	26.75	8.09	8.09	13.21	13.21	85.90	85.35	6.72	6.69	4.03	4.01	2.4	2.4
			8:48	8.7	4.4	26.80		8.08	8.08	13.24		84.80		6.65		3.99		2.4	
	4/7/2024	Cloudy	10:30	8.7	4.4	27.00	27.00	8.41	8.41	16.85	16.94	93.00	93.05	6.84	6.85	4.12	4.04	3.8	4.0
			10:31	8.7	4.4	27.00		8.40	8.40	17.02		93.10		6.86		3.96		4.2	
	6/7/2024	Cloudy	11:36	8.6	4.3	25.10	25.05	8.13	8.13	24.90	24.95	87.80	88.10	6.40	6.42	3.92	3.81	6.0	7.1
			11:37	8.6	4.3	25.00		8.13	8.13	24.90		88.40		6.43	6.42	3.69		8.2	
	8/7/2024	Cloudy	14:46	8.7	4.4	27.10	27.20	8.41	8.42	21.28	21.35	89.00	89.60	6.71	6.75	2.94	2.74	4.2	4.2
			14:47	8.7	4.4	27.30		8.42	8.42	21.41		90.20		6.79		2.54		4.2	
	10/7/2024	Fine	15:58	8.8	4.4	29.59	28.16	7.30	7.30	21.41	21.49	98.60	97.85	6.87	6.85	2.39	2.26	2.5	2.6
			15:59	8.8	4.4	26.73		7.30	7.30	21.56		97.10		6.82		2.12		2.7	
	12/7/2024	Cloudy	16:38	8.5	4.3	29.25	29.16	7.22	7.17	25.41	25.36	96.20	96.70	6.69	6.75	3.99	3.60	2.8	2.9
			16:39	8.5	4.3	29.06		7.11	7.11	25.31		97.20		6.81		3.21		3.0	
	15/7/2024	Fine	6:59	8.6	4.3	30.38	30.37	7.04	7.04	19.17	19.13	92.70	93.25	6.60	6.62	2.10	2.14	2.8	2.8
			7:00	8.6	4.3	30.36		7.04	7.04	19.09		93.80		6.63		2.17		2.7	
	17/7/2024	Cloudy	8:50	8.5	4.3	30.24	30.16	6.98	6.98	21.21	21.26	96.40	96.05	6.71	6.69	2.59	2.73	2.6	2.5
			8:51	8.5	4.3	30.08		6.98	6.98	21.20		95.70		6.67		2.86		2.3	
	19/7/2024	Cloudy	9:44	8.5	4.3	29.54	29.50	6.96	6.96	23.53	23.52	99.80	99.20	6.91	6.89	2.56	2.67	3.4	3.4
			9:45	8.5	4.3	29.46		6.96	6.96	23.50		98.60		6.86	6.89	2.78		3.3	
	22/7/2024	Cloudy	12:07	8.6	4.3	28.17	28.13	6.97	6.98	28.61	28.55	94.00	93.30	6.97	6.92	2.17	2.26	1.8	1.7
			12:08	8.6	4.3	28.08		6.98	6.98	28.48		92.60		6.87		2.35		1.6	
	24/7/2024	Cloudy	15:15	8.4	4.2	30.47	30.42	7.00	7.01	28.97	28.96	95.00	95.80	6.63	6.66	3.50	3.26	1.6	1.7
			15:16	8.4	4.2	30.36		7.01	7.01	28.94		96.60		6.68		3.02		1.7	
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																
	29/7/2024	Cloudy	6:46	8.6	4.3	27.49	27.61	6.91	6.91	27.21	27.20	89.80	89.40	6.88	6.89	3.34	3.28	1.3	1.4
			6:47	8.6	4.3	27.73		6.90	6.90	27.19		89.00		6.89		3.22		1.5	
	31/7/2024	Amber Rain Storm	WQM was cancelled due to adverse weather																

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



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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CF	2/7/2024	Cloudy	16:51	8.2	4.1	27.00	27.00	8.15	8.15	12.95	12.85	89.40	90.40	6.72	6.81	3.42	3.30	2.5	2.4
			16:52	8.2	4.1	27.00		8.15	8.15	12.74		91.40		6.90		3.17		2.3	
	4/7/2024	Cloudy	19:08	8.0	4.0	27.40	27.35	8.68	8.69	13.49	13.41	92.00	91.10	6.79	6.73	5.47	5.33	2.8	3.1
			19:09	8.0	4.0	27.30		8.69	8.69	13.33		90.20		6.67	6.73	5.19		3.3	
	6/7/2024	Cloudy	19:02	8.0	4.0	25.40	25.00	8.04	8.04	26.24	26.21	94.60	94.20	6.78	6.74	5.24	5.13	10.1	9.8
			19:03	8.0	4.0	24.60		8.03	8.03	26.17		93.80		6.69	6.74	5.02		9.5	
	8/7/2024	Cloudy	6:53	8.4	4.2	26.40	26.40	8.17	8.17	24.10	24.18	92.20	92.85	6.66	6.71	3.79	3.67	4.7	3.5
			6:54	8.4	4.2	26.40		8.16	8.17	24.25		93.50		6.75	6.71	3.54		4.7	
	10/7/2024	Cloudy	7:41	8.4	4.2	28.67	28.58	7.31	7.31	22.74	22.66	94.50	94.30	6.64	6.63	3.10	3.03	3.5	3.7
			7:42	8.4	4.2	28.48		7.31	7.31	22.57		94.10		6.62	6.63	2.96		3.8	
	12/7/2024	Cloudy	8:38	8.3	4.2	29.42	28.82	7.12	7.12	24.95	24.91	92.40	93.10	6.69	6.71	2.29	2.36	3.4	3.2
			8:39	8.3	4.2	28.22		7.12	7.12	24.86		93.80		6.73	6.71	2.42		3.0	
	15/7/2024	Fine	15:08	8.2	4.1	30.46	30.55	7.05	7.05	20.11	20.16	98.30	98.95	6.79	6.81	2.80	2.76	3.9	3.8
			15:09	8.2	4.1	30.64		7.04	7.04	20.21		99.60		6.83	6.81	2.71		3.6	
	17/7/2024	Cloudy	17:18	8.2	4.1	30.25	30.24	7.01	7.01	20.74	20.65	95.40	95.45	6.89	6.90	2.19	2.39	2.8	2.7
			17:19	8.2	4.1	30.22		7.00	7.00	20.56		95.50		6.90	6.90	2.59		2.6	
	19/7/2024	Cloudy	18:55	8.1	4.1	29.12	29.05	6.99	6.99	24.56	24.50	95.40	95.35	6.79	6.79	1.73	1.81	4.6	4.0
			18:56	8.1	4.1	28.97		6.98	6.99	24.43		95.30		6.79	6.79	1.88		3.4	
	22/7/2024	Cloudy	18:41	8.0	4.0	28.49	28.42	6.97	6.97	28.31	28.23	94.40	93.50	6.93	6.88	2.54	2.74	2.3	2.4
			18:42	8.0	4.0	28.34		6.97	6.97	28.15		92.60		6.82	6.88	2.93		2.5	
	24/7/2024	Cloudy	7:09	8.6	4.3	29.58	29.50	7.00	7.00	29.45	29.41	94.20	94.45	6.82	6.83	3.44	3.37	3.1	2.9
			7:10	8.6	4.3	29.42		7.00	7.00	29.37		94.70		6.84	6.83	3.29		2.6	
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																
	29/7/2024	Cloudy	14:11	8.2	4.1	27.20	27.17	6.95	6.95	28.79	28.85	93.70	93.80	6.80	6.81	4.82	4.92	2.4	2.5
			14:12	8.2	4.1	27.14		6.94	6.94	28.90		93.90		6.81	6.81	5.02		2.6	
	31/7/2024	Cloudy	17:32	8.3	4.2	28.36	28.26	6.90	6.91	28.80	28.80	105.20	104.35	6.99	6.92	4.85	4.73	3.7	3.3
			17:33	8.3	4.2	28.15		6.92	6.92	28.79		103.50		6.84	6.92	4.61		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 (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
CF	2/7/2024	Cloudy	8:50	8.7	7.7	26.70	26.70	8.09		13.78		83.80		6.52		3.64		2.1	
			8:51	8.7	7.7	26.70	26.70	8.09	8.09	13.68	13.73	84.50	84.15	6.60	6.56	3.98	3.81	2.2	2.2
	4/7/2024	Cloudy	10:33	8.7	7.7	25.80	25.80	8.06		22.94		92.90		6.87		3.42		4.0	
			10:34	8.7	7.7	25.80	25.80	8.06	8.07	22.84	22.89	94.20	93.50	6.90	6.90	3.67	3.55	2.0	3.0
			11:39	8.6	7.6	24.70	24.60	8.01	8.00	25.98	25.89	88.20	90.00	6.39	6.46	3.25	3.46	7.8	12.2
	6/7/2024	Cloudy	11:40	8.6	7.6	24.50	24.60	7.99		25.79		91.80		6.52		3.67		16.5	
			14:49	8.7	7.7	26.40	26.35	8.24	8.24	24.50	24.37	86.60	86.20	6.55	6.53	1.87	1.95	5.6	6.0
			14:50	8.7	7.7	26.30		8.24		24.23		85.80		6.50		2.02		6.3	
	10/7/2024	Fine	16:01	8.8	7.8	29.30	29.28	7.31	7.32	24.23	24.17	95.90	96.05	6.74	6.76	2.19	2.32	3.6	3.7
			16:02	8.8	7.8	29.26		7.32		24.10		96.20		6.78		2.44		3.8	
	12/7/2024	Cloudy	16:41	8.5	7.5	28.47	28.42	7.10	7.10	26.83	26.93	95.60	95.35	6.63	6.62	2.65	2.54	2.1	1.9
			16:42	8.5	7.5	28.37		7.10		27.02		95.10		6.60		2.42		1.6	
	15/7/2024	Fine	7:02	8.6	7.6	30.18	30.19	7.04	7.05	19.13	19.08	99.40	98.90	6.80	6.79	2.44	2.37	2.6	2.6
			7:03	8.6	7.6	30.20		7.05		19.02		98.40		6.78		2.29		2.6	
	17/7/2024	Cloudy	8:53	8.5	7.5	29.86	29.93	6.98	6.99	21.31	21.41	95.60	96.10	6.65	6.69	3.10	3.04	1.9	1.8
			8:54	8.5	7.5	29.99		7.00		21.50		96.60		6.72		2.98		1.7	
	19/7/2024	Cloudy	9:47	8.5	7.5	29.32	29.36	6.95	6.96	23.94	24.04	94.90	95.45	6.72	6.78	2.50	2.46	3.0	3.1
			9:48	8.5	7.5	29.40		6.96		24.13		96.10		6.63		2.41		3.1	
	22/7/2024	Cloudy	12:10	8.6	7.6	28.15	28.20	6.97	6.97	28.69	28.77	91.30	91.05	6.76	6.74	1.99	1.79	1.2	1.2
			12:11	8.6	7.6	28.24		6.97		28.84		90.80		6.71		1.58		1.1	
	24/7/2024	Cloudy	15:18	8.4	7.4	30.03	30.01	7.01	7.01	29.49	29.61	94.50	94.20	6.60	6.59	3.83	3.76	1.6	1.7
			15:19	8.4	7.4	29.98		7.01		29.73		93.90		6.57		3.69		1.8	
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																
	29/7/2024	Cloudy	6:49	8.6	7.6	27.42	27.33	6.90	6.90	28.52	28.56	88.10	87.60	6.85	6.83	3.16	3.23	1.9	1.8
			6:50	8.6	7.6	27.23		6.90		28.60		87.10		6.80		3.29		1.7	
	31/7/2024	Amber Rain Storm	WQM was cancelled due to adverse weather																

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

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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CF	2/7/2024	Cloudy	16:54	8.2	7.2	26.10	26.20	7.95	7.98	24.25	24.33	88.00	87.55	6.65	6.63	2.39	2.51	1.6	1.7
			16:55	8.2	7.2	26.30		8.00		24.41		87.10		6.60		2.62		1.8	
	4/7/2024	Cloudy	19:11	8.0	7.0	27.00	26.95	8.58	8.58	14.98	14.89	92.70	92.10	6.84	6.80	3.78	3.88	3.1	2.9
			19:12	8.0	7.0	26.90		8.58		14.80		91.50		6.76		3.98		2.6	
	6/7/2024	Cloudy	19:05	8.0	7.0	24.30	24.25	8.00	8.00	26.51	26.68	90.70	90.60	6.62	6.62	4.87	5.00	10.9	10.3
			19:06	8.0	7.0	24.20		8.00		26.84		90.50		6.61		5.12		9.6	
	8/7/2024	Cloudy	6:56	8.4	7.4	26.20	26.15	8.14	8.15	24.94	24.87	90.50	90.95	6.57	6.60	2.94	3.07	3.6	3.5
			6:57	8.4	7.4	26.10		8.15		24.80		91.40		6.62		3.19		3.4	
	10/7/2024	Cloudy	7:44	8.4	7.4	28.51	28.66	7.30	7.30	22.80	22.89	91.60	92.35	6.38	6.40	2.39	2.27	3.1	3.4
			7:45	8.4	7.4	28.80		7.29		22.98		93.10		6.42		2.15		3.7	
	12/7/2024	Cloudy	8:41	8.3	7.3	28.22	28.37	7.13	7.13	26.12	26.27	92.20	91.55	6.66	6.62	2.42	2.41	2.8	2.7
			8:42	8.3	7.3	28.51		7.12		26.42		90.90		6.58		2.40		2.5	
	15/7/2024	Fine	15:11	8.2	7.2	29.74	29.66	7.03	7.03	24.05	24.00	96.40	96.00	6.74	6.72	2.09	2.30	4.1	4.2
			15:12	8.2	7.2	29.58		7.03		23.95		95.60		6.70		2.50		4.3	
	17/7/2024	Cloudy	17:21	8.2	7.2	30.11	30.08	7.69	7.69	21.23	21.29	95.20	94.40	6.87	6.82	2.73	2.55	2.3	2.4
			17:22	8.2	7.2	30.04		7.69		21.34		93.60		6.77		2.37		2.5	
	19/7/2024	Cloudy	18:58	8.1	7.1	28.84	28.87	6.97	6.97	25.32	25.36	95.80	96.60	6.81	6.85	2.05	1.97	3.7	3.5
			18:59	8.1	7.1	28.90		6.96		25.40		97.40		6.88		1.89		3.2	
	22/7/2024	Cloudy	18:44	8.0	7.0	28.15	28.26	6.95	6.96	29.03	29.09	83.00	84.30	6.26	6.28	2.82	2.60	1.9	1.8
			18:45	8.0	7.0	28.37		6.96		29.14		85.60		6.30		2.37		1.7	
	24/7/2024	Cloudy	7:12	8.6	7.6	29.37	29.45	7.01	7.01	29.86	29.92	93.00	94.05	6.79	6.82	4.73	4.84	4.4	4.1
			7:13	8.6	7.6	29.53		7.00		29.97		95.10		6.85		4.94		3.8	
	26/7/2024	Strong Monsoon Signal	WQM was cancelled due to adverse weather																
	29/7/2024	Cloudy	14:14	8.2	7.2	27.80	27.32	6.95	6.95	27.80	28.04	91.50	90.90	6.70	6.68	4.40	4.30	3.4	3.5
			14:15	8.2	7.2	27.04		6.95		28.27		90.30		6.66		4.19		3.6	
	31/7/2024	Cloudy	17:35	8.3	7.3	27.95	28.04	6.91	6.91	28.65	28.75	93.40	92.60	6.68	6.65	4.52	4.65	2.9	2.7
			17:36	8.3	7.3	28.13		6.91		28.84		91.80		6.62		4.78		2.5	

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



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 May - Jul 2024

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)
May	1.27	0.00	0.00	0.00	1.27	0.0000	0.0000	0.0000	0.0000	0.0000	10.26
Jun	2.57	0.00	0.00	0.00	2.57	0.0000	0.0000	0.0999	0.0000	0.0000	12.42
July	1.37	0.00	0.00	0.00	1.37	0.0000	0.0000	0.0000	0.0000	0.0000	8.96
Total	5.21	0.00	0.00	0.00	5.21	0.0000	0.0000	0.0999	0.0000	0.0000	31.64

- 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.