



**Lam Environmental Services
Limited**

Contract No. SD 15/2022 – Outlying Island Sewerage
Stage 2 – South Lantau Sewage Works –
Environmental Team Services (2023 – 2024)
Quarterly EM&A Summary Report (August 2024–
October 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
AUGUST TO OCTOBER 2024
REVISION 3

CLIENTS:

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Environmental Team Leader

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DATE:

24 February 2025

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25 February 2025

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Attn: Mr. Chan Ka Keung

Dear Sir

Contract No. SD 7/2020
Independent Environmental Checker ("IEC") for Environmental Monitoring Work for
South Lantau Sewerage Works
Verification of Quarterly EM&A Summary Report (August 2024 – October 2024)

With reference to the Quarterly EM&A Summary Report (August 2024 – October 2024) Revision 3 certified by the ET Leader on 24th February 2025, 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 or contact to our Mr Tommy KONG at tel. 3995-8123 or by email to tommy.kong@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 – [August 2024 to October 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 August to 31 October 2024](#).
- ii. In the reporting period, the principal work activities conducted are as follow:

August 2024	September2024	October 2024
• 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) • ELS works • Superstructure Reinforced Concrete (RC) Works • Electrical and Mechanical (E&M) Installation at 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) • ELS works • Superstructure Reinforced Concrete (RC) Works • Electrical and Mechanical (E&M) Installation at 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) • ELS works • Superstructure Reinforced Concrete (RC) Works • Electrical and Mechanical (E&M) Installation at 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. No school examination was taken place at N17 – Bui O Public School in the reporting period.
- v. No action and limit level exceedances were recorded in construction noise level in the reporting period.

Water Quality Monitoring

- vi. Marine-based construction works commenced on 19 April 2022. Water quality monitoring was conducted at **nine (9)** monitoring stations (seven impact & two control stations) three days per week in the reporting period starting from 12 April 2022. HDD casing works commenced on 30 May 2022.
- vii. For August 2024, water quality monitoring during mid-flood on 12 August 2024 was cancelled due to Amber Rainstorm Signal were in force 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 was submitted to EPD on 12 July 2024 for approval. This proposal was reviewed and verified by the Independent Environmental Checker (IEC) on 12 July 2024. The proposal was approved by EPD on 27 August 2024, thus, impact marine water quality monitoring will be temporary suspension starting from 28 August 2024 until further notice. Once Contractor and Engineer Representative confirm the actual date to resume marine work, ET will notify EPD one month in advance, and ET will resume impact marine water quality monitoring two weeks prior to the start of marine works.
- ix. According to the Contractor's construction programme and confirmed with Engineer Representative (Binnies) in September 2024, the marine works will be commenced on 21 October 2024, ET notified EPD immediately on 17 September 2024 to resume the marine water quality monitoring two weeks prior to commencement of marine works, WQM was resumed from 7 Oct 2024.

- x. Further confirmed with the Contactor and ER in October 2024, marine works has yet to resume and no marine work were ongoing in the reporting period.
- xi. In accordance with the action level and limit level in Baseline Monitoring Report Rev. 9.2 agreed by EPD on 2 September 2022, 23 action level and 2 limit level exceedances were recorded in the reporting quarter.
- xii. For October 2024, action level exceedances of Depth-averaged on suspended solids (SS) was recorded at SR9, SR10 and SR12 from 07:56 to 08:12 during ebb tide on 12 Oct 2024. Action level exceedances of Depth-averaged on suspended solids (SS) was recorded at SR5 and SR6 from 9:07 to 9:19 during flood tide as well as at SR10 and SR12 from 14:04 to 14:11 during ebb tide on 21 Oct 2024. Action level exceedances of Depth-averaged on suspended solids (SS) was recorded at SR15 from 13:37 to 13:38 during flood tide on 23 Oct 2024. Limit level exceedances of Depth-averaged on suspended solids (SS) was recorded at SR4 and SR15 from 09:20 to 09:30 during ebb tide on 28 Oct 2024. Action level exceedances of Depth-averaged on suspended solids (SS) was recorded at SR5, SR6, SR9, SR10, and SR12 from 09:38 to 10:24 during ebb tide as well as at SR4, SR5, SR6, SR9, SR10, SR12 and SR15 from 16:01 to 17:07 during flood tide on 28 Oct 2024. Action level exceedances of Depth-averaged on suspended solids (SS) was recorded at SR10 and SR12 during both ebb and flood tide from 11:25 to 11:32 and 16:32 to 16:38 respectively on 30 Oct 2024.
- xiii. 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.
- xiv. For the limit level exceedances of suspended solid recorded on 28 Oct 2024, confirmed with our field technician, the seawater was observed turbid during sampling. As no marine work was conducted in Oct 2024 and no other evidence indicate that the limit level exceedance was affected by the site activities, it can be concluded that the limit level exceedances were possibly induced by other factors such as natural variation or changes of water quality in the vicinity of water quality monitoring station.

Ecological Impact Monitoring

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



- xvii. The weekly site audit was carried out by ET include checking whether good site practices are being properly implemented by the Contractor.
- xviii. The extent of the work site boundaries was checked by the ET during the weekly site audit.

Complaint log

- xix. One environmental complaint regarding the damaged silt curtain and potential water quality impact was recorded in the reporting period. Follow-up site inspection of silt curtain regarding complaint on damaged silt curtain and potential water quality impact was conducted by ET, IEC, the Contractor and RSS on 22 August 2024. Upon investigation, no marine works since December 2023 till present, the land based works activities at POPS did not result in any water quality impacts to the Pui O Wan, and it was considered as non-project related.

Notifications of Any Summons and Successful Prosecutions

- xx. 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. KK Chan	2594 7297	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
			Mr. Daniel Chu*	6737 6701	
		Environmental Officer	Ms. Shirley Kong	5162 5933	
			Ms. Hassan Ka Sin	6993 0990	
			Mr. Rico Chan	6224 9332	
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

*Site Agent change from Mr. Charles Yeung to Mr. Daniel Chu starting from October 2024.

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 August 2024, water quality monitoring during mid-flood on 12 August 2024 was cancelled due to Amber Rainstorm Signal were in force 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, 23 action level and 2 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	Expired in the reporting period
	GW-RS0658-24	17 July 2024	09-08-2024 to 08-02-2025	Valid
Construction Noise Permit under Noise Control Ordinance for POSPS	GW-RS0213-24	15 Mar 2024	27-03-2024 to 26-09-2024	Expired in the reporting period
	GW-RS0856-24	17 Sep 2024	27-09-2024 to 26-03-2025	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	Expired in the reporting period

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

5. Monitoring Results Analysis

5.1 Noise Monitoring

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

5.2 Marine Water Quality Monitoring

- 5.2.1 Marine Water quality monitoring involves **nine (9)** monitoring stations (seven impact & two control stations) three days per week in the reporting period [starting from 12 April 2022](#).
- 5.2.2 Marine Water monitoring location plans with sensitive receivers are shown in [Figure 5.2](#).
- 5.2.3 Water quality monitoring is evaluated against Action and Limit Levels. The derived Action and Limit Level proposed in Baseline Monitoring Report Rev. 9.2 was agreed by EPD on 2 September 2022.
- 5.2.4 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 August 2024, water quality monitoring during mid-flood on 12 August 2024 was cancelled due to Amber Rainstorm Signal were in force 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.
- 5.2.6 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 was submitted to EPD on 12 July 2024 for approval. This proposal was reviewed and verified by the Independent Environmental Checker (IEC) on 12 July 2024. The proposal was approved by EPD on 27 August 2024, thus, impact marine

- water quality monitoring will be temporary suspension starting from 28 August 2024 until further notice. Once Contractor and Engineer Representative confirm the actual date to resume marine work, ET will notify EPD one month in advance, and ET will resume impact marine water quality monitoring two weeks prior to the start of marine works.
- 5.2.7 According to the Contractor's construction programme and confirmed with Engineer Representative (Binnies) in September 2024, the marine works will be commenced on 21 October 2024, ET notified EPD immediately on 17 September 2024 to resume the marine water quality monitoring two weeks prior to commencement of marine works, WQM was resumed from 7 Oct 2024.
- 5.2.8 Further confirmed with the Contactor and ER in October 2024, marine works has yet to resume and no marine work were ongoing in the reporting period.
- 5.2.9 In accordance with the action level and limit level in Baseline Monitoring Report Rev. 9.2 agreed by EPD on 2 September 2022, 23 action level and 2 limit level exceedances were recorded in the reporting quarter.
- 5.2.10 For October 2024, action level exceedances of Depth-averaged on suspended solids (SS) was recorded at SR9, SR10 and SR12 from 07:56 to 08:12 during ebb tide on 12 Oct 2024. Action level exceedances of Depth-averaged on suspended solids (SS) was recorded at SR5 and SR6 from 9:07 to 9:19 during flood tide as well as at SR10 and SR12 from 14:04 to 14:11 during ebb tide on 21 Oct 2024. Action level exceedances of Depth-averaged on suspended solids (SS) was recorded at SR15 from 13:37 to 13:38 during flood tide on 23 Oct 2024. Limit level exceedances of Depth-averaged on suspended solids (SS) was recorded at SR4 and SR15 from 09:20 to 09:30 during ebb tide on 28 Oct 2024. Action level exceedances of Depth-averaged on suspended solids (SS) was recorded at SR5, SR6, SR9,SR10, and SR12 from 09:38 to 10:24 during ebb tide as well as at SR4, SR5, SR6, SR9,SR10, SR12and SR15 from 16:01 to 17:07 during flood tide on 28 Oct 2024. Action level exceedances of Depth-averaged on suspended solids (SS) was recorded at SR10 and SR12 during both ebb and flood tide from 11:25 to 11:32 and 16:32 to 16:38 respectively on 30 Oct 2024.
- 5.2.11 As the suspended solids (SS) result is determined by laboratory analysis that require 7 working days, it is not possible to increase the monitoring frequency to daily until no exceedance of Action Level after 30 Oct 2024. If such exceedances continuous during marine works



commencement, ET will check with contractor the implementation of the mitigation measures and daily WQM monitoring will be considered.

5.2.12 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.

5.2.13 For the limit level exceedances of suspended solid recorded on 28 Oct 2024, confirmed with our field technician, the seawater was observed turbid during sampling. As no marine work was conducted in Oct 2024 and no other evidence indicate that the limit level exceedance was affected by the site activities, it can be concluded that the limit level exceedances were possibly induced by other factors such as natural variation or changes of water quality in the vicinity of water quality monitoring station.

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 (August, September and October 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



Waste Type	Quantity for reporting quarter	Cumulative Quantity- to-Date
Reused in other Projects (Inert) (in '000m ³)	0	0
Disposal as Public Fill (Inert) (in '000m ³)	2.86	25.13
Metals (in '000kg)	0.0067	15.70
Paper / Cardboard Packing (in '000kg)	0.0596	0.84
Plastics (in '000kg)	0.0049	0.075
Chemical Wastes (in '000kg)	0	0
General Refuses (in '000kg)	43.22	683.21
Marine Sediment (Type 1 – Open Sea Disposal) , m3	0	60.2

6. Complaints, Notification of Summons and Prosecution

- 6.1.1 One environmental complaint regarding the damaged silt curtain and potential water quality impact was recorded in the reporting period. Follow-up site inspection of silt curtain regarding complaint on damaged silt curtain and potential water quality impact was conducted by ET, IEC, the Contractor and RSS on 22 August 2024. Upon investigation, no marine works since December 2023 till present, the land based works activities at POPS did not result in any water quality impacts to the Pui O Wan, and it was considered as non-project related.

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.
16 Aug 2024 2024	15 Aug 2024	A complaint is regarding to the damaged silt curtain and potential water quality impact.	Based on the investigation, no marine works since Dec 2023 till present, the land based works activities at POPS did not result in any water quality impacts to the Pui O Wan.	The interim report was submitted to EPD on 31 Aug 2024.

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



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

Table 6.2 Cumulative Statistics on Complaints

Reporting Period	No. of Complaints
Aug 2024 to Oct 2024	1
Project commencement to the end of last reporting quarter	3
Total	3

Table 6.3 Cumulative Statistics on Successful Prosecutions

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

7. Comments and Recommendations

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

Table 7.1 Construction Activities in Past 3 Months

August 2024	September 2024	October 2024
- 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) - ELS works - Superstructure Reinforced Concrete (RC) Works - Electrical and Mechanical (E&M) Installation at 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) - ELS works - Superstructure Reinforced Concrete (RC) Works - Electrical and Mechanical (E&M) Installation at 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) - ELS works - Superstructure Reinforced Concrete (RC) Works - Electrical and Mechanical (E&M) Installation at POSPS

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

- Implementation of noise pollution control in accordance with Construction Noise Mitigation Plan;
- Dust control during dust generating works;
- Silt curtain should be maintained in good condition prior to and during dredging works and related marine 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 excavation works for dust control; and
- Proper waste handling, recycling and storage.

The implemented mitigation measures are considered effective.



8. Conclusion

8.1 Noise Monitoring.

- 8.1.1 Noise monitoring was conducted at eight (8) noise monitoring stations (N12a, N12b, N13, N14, N15b, N16a, N16b and N17) once per week in the reporting period.
- 8.1.2 No school examination was taken place at N17 – Bui O Public School in the reporting 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 August 2024, water quality monitoring during mid-flood on 12 August 2024 was cancelled due to Amber Rainstorm Signal were in force 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 was submitted to EPD on 12 July 2024 for approval. This proposal was reviewed and verified by the Independent Environmental Checker (IEC) on 12 July 2024. The proposal was approved by EPD on 27 August 2024, thus, impact marine water quality monitoring will be temporary suspension starting from 28 August 2024 until further notice. Once Contractor and Engineer Representative confirm the actual date to resume marine work, ET will notify EPD one month in advance, and ET will resume impact marine water quality monitoring two weeks prior to the start of marine works.
- 8.2.4 According to the Contractor's construction programme and confirmed with Engineer Representative (Binnies) in September 2024, the marine works will be commenced on 21 October 2024, ET notified EPD immediately on 17 September 2024 to resume the marine water quality monitoring two weeks prior to commencement of marine works, WQM was resumed from 7 Oct 2024.



- 8.2.5 Further confirmed with the Contactor and ER in October 2024, marine works has yet to resume and no marine work were ongoing in the reporting period.
- 8.2.6 In accordance with the action level and limit level in Baseline Monitoring Report Rev. 9.2 agreed by EPD on 2 September 2022, 23 action level and 2 limit level exceedances were recorded in the reporting quarter.

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

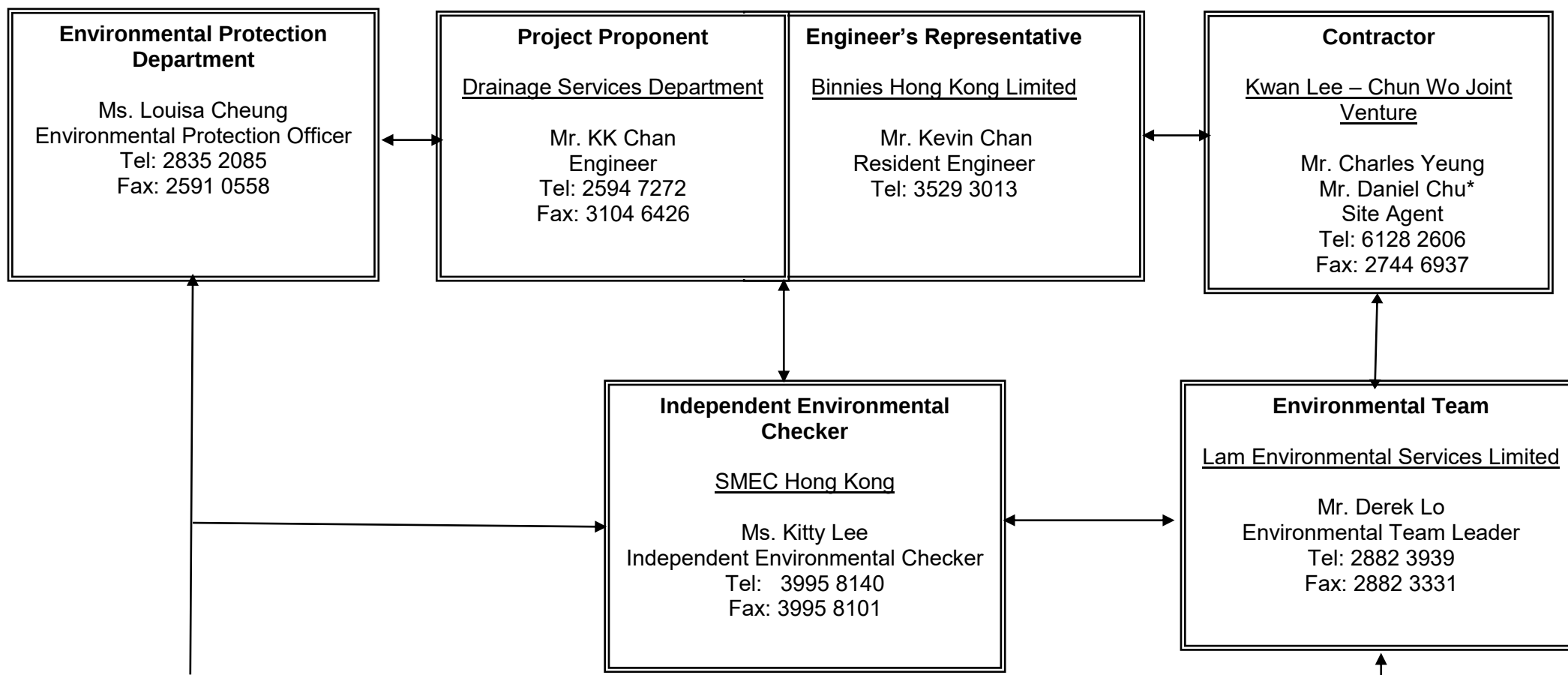
- 8.5.1 There was no particular action taken since no non-compliance was recorded in present quarter.



Figure 2.1

Project Organisation Chart

Project Organization Chart

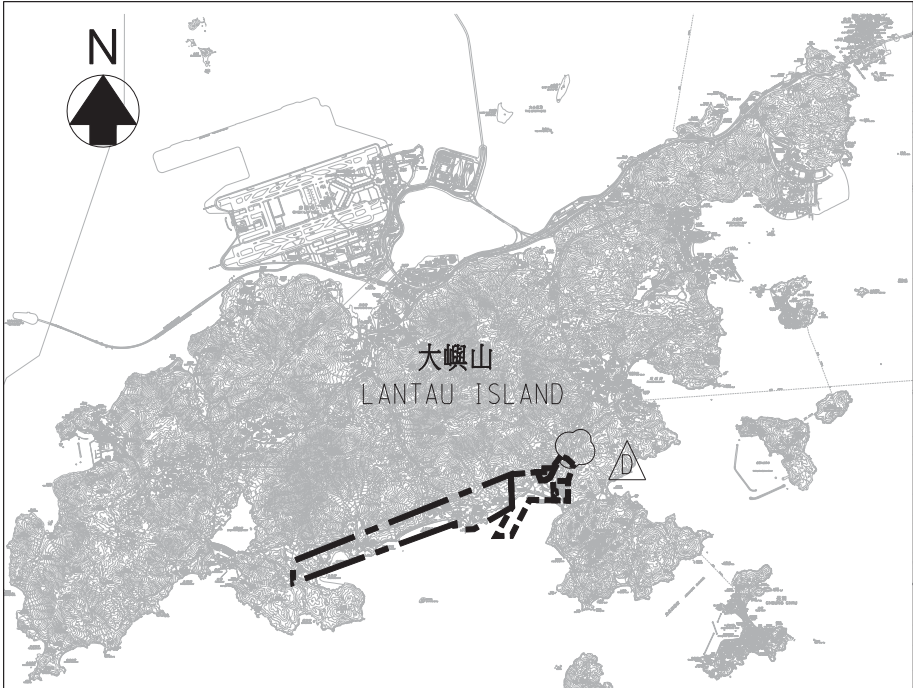


* Site Agent change from Mr. Charles Yeung to Mr. Daniel Chu starting from October 2024.

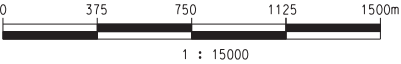
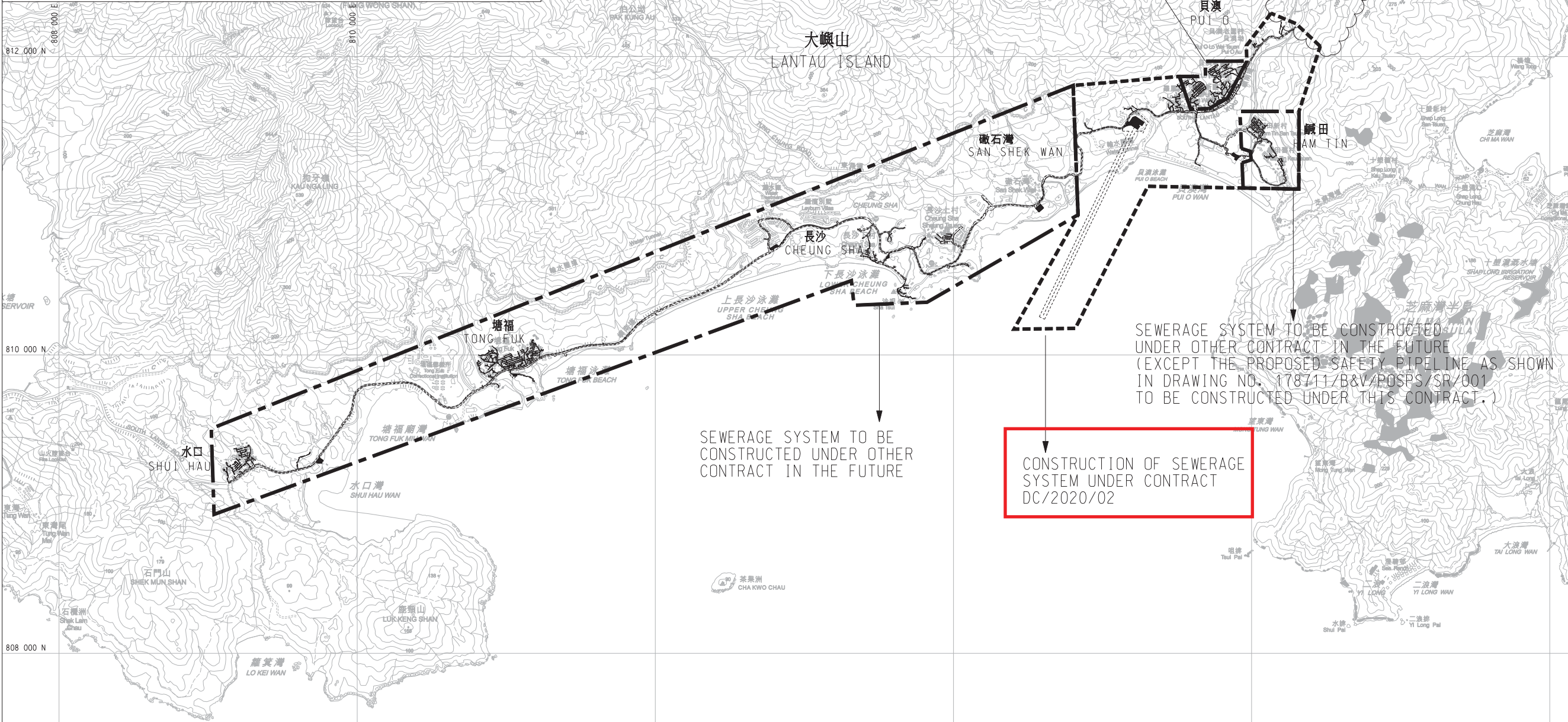


Figure 2.2

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
SEWAGE TREATMENT WORKS,
ASSOCIATED SUBMARINE OUTFALL
AND PUI O SEWERAGE WORKS

Drawing title
SOUTH LANTAU SEWERAGE
WORKS – MASTER LAYOUT PLAN

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

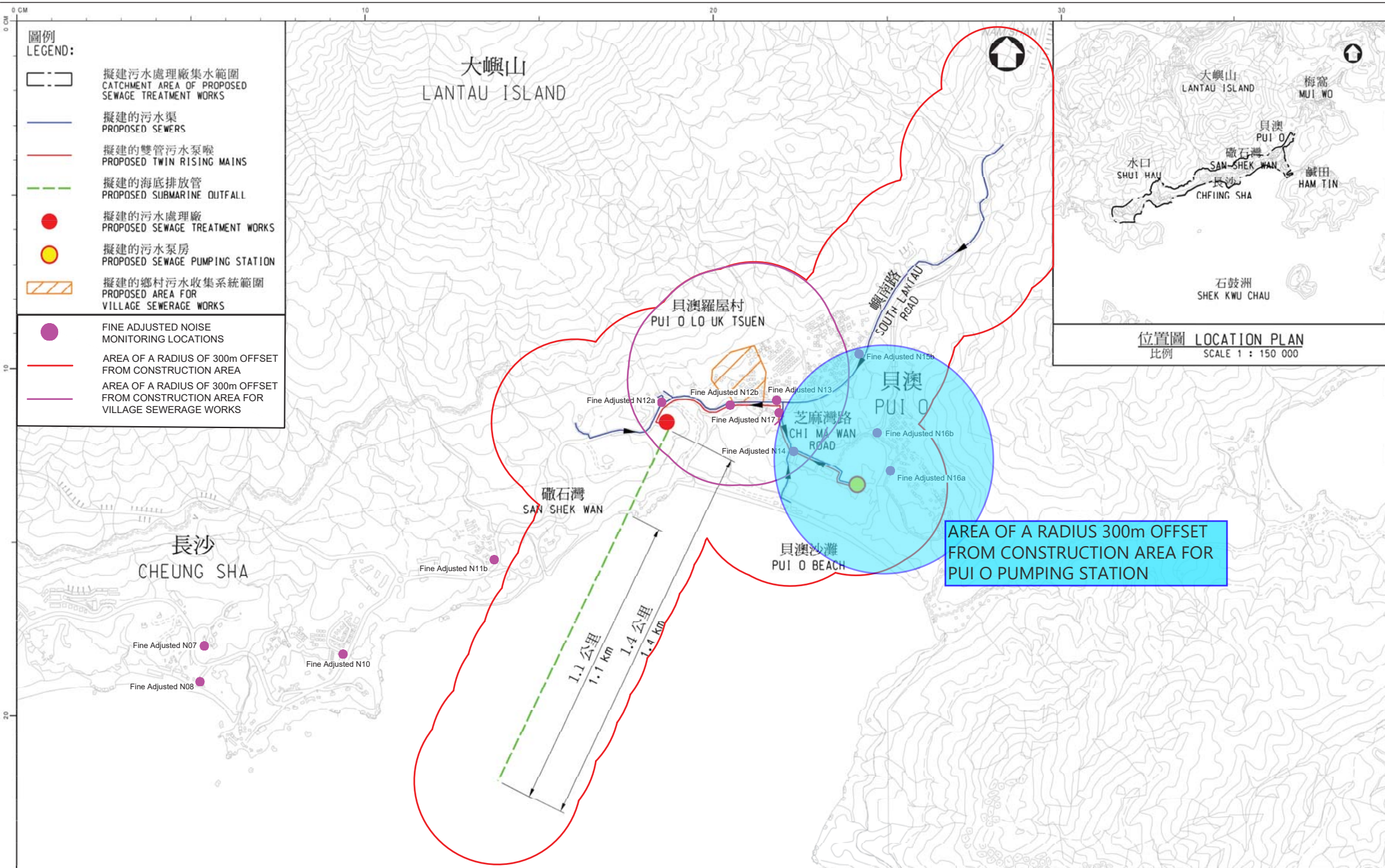
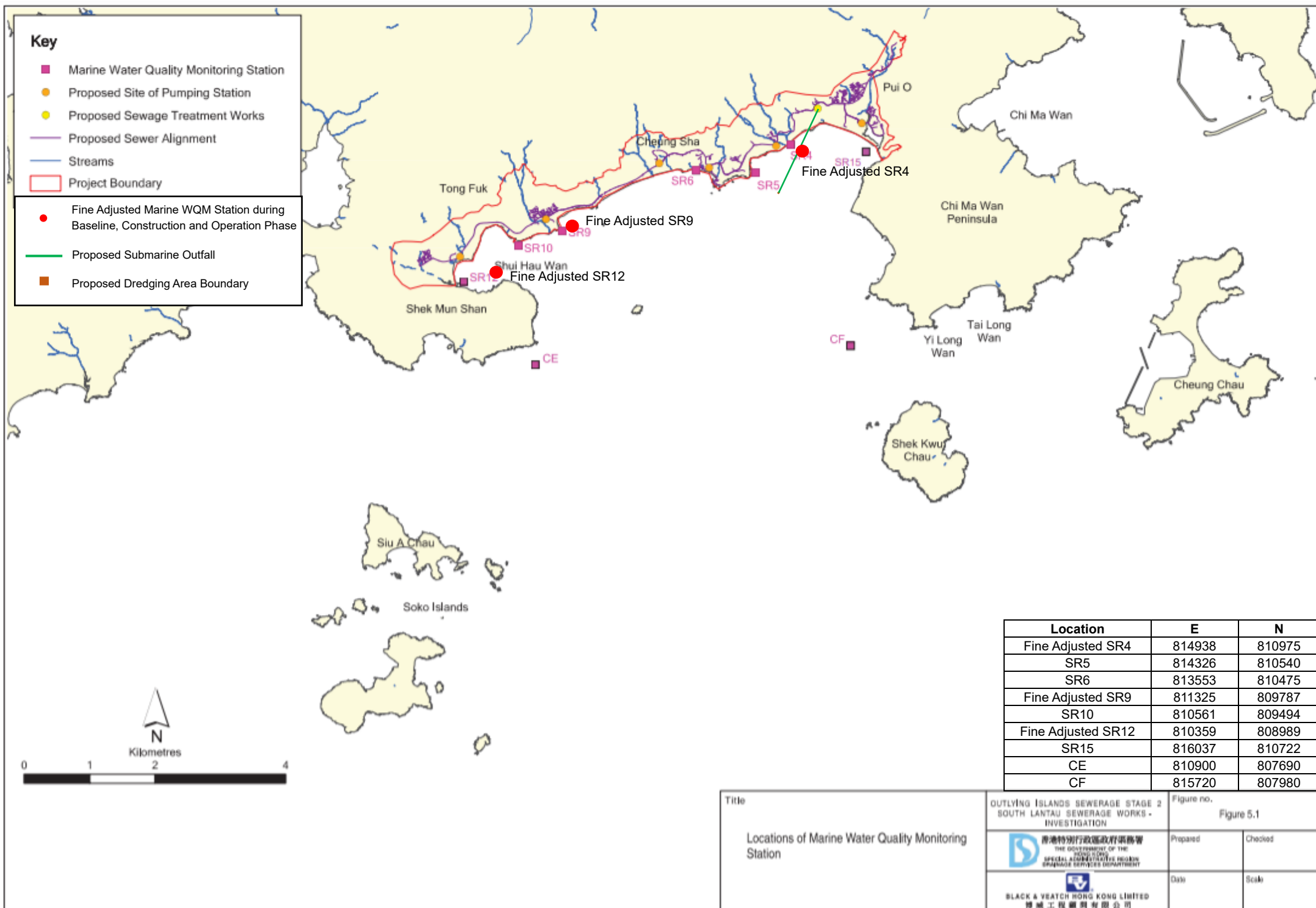




Figure 5.2

Locations of Water Quality Monitoring Stations



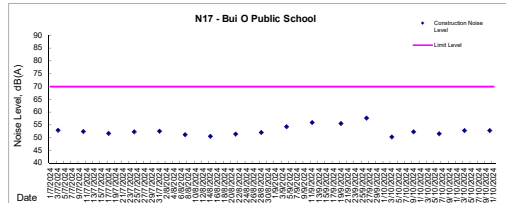
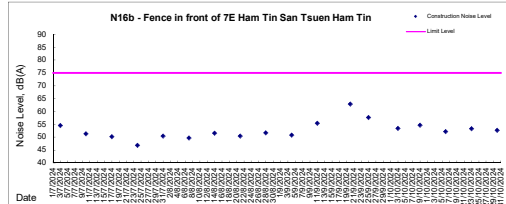
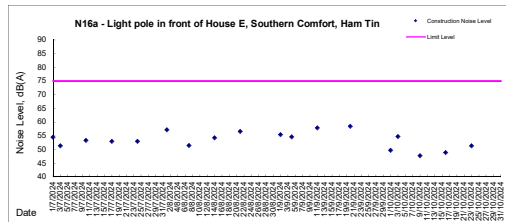
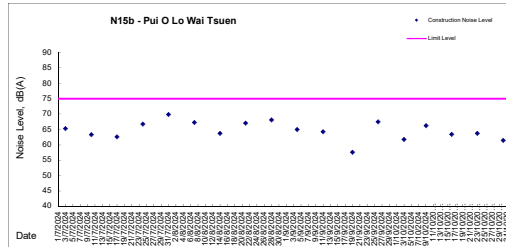
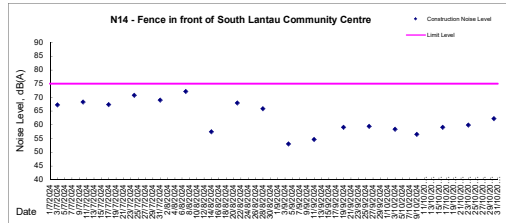
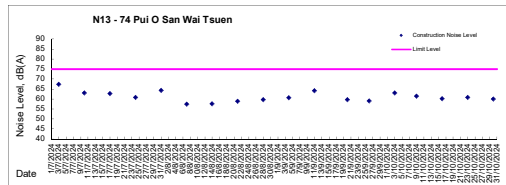
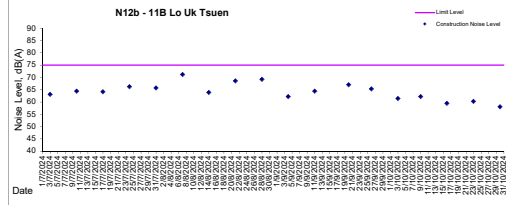
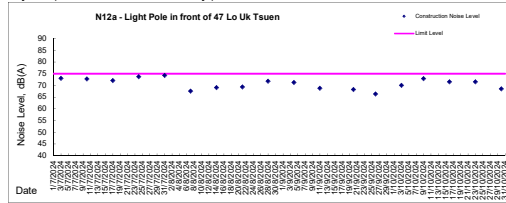


Appendix 5.1

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)								
7 Aug 2024	Sunny	0.0	94.1	14:15	68.9	70.1	58.6	67.6	73.3	<Baseline Level	75	N/A	Traffic
				14:20	63.6	65.0	55.4						
				14:25	70.6	71.3	60.3						
				14:30	65.4	66.9	56.3						
				14:35	66.6	68.2	55.6						
				14:40	67.2	68.8	57.3						
14 Aug 2024	Sunny	0.0	94.1	14:15	70.3	71.6	60.4	69.1	73.3	<Baseline Level	75	N/A	Traffic
				14:20	71.0	72.5	60.3						
				14:25	68.8	70.0	58.8						
				14:30	65.4	66.8	58.9						
				14:35	66.8	68.1	56.7						
				14:40	69.7	71.2	58.4						
21 Aug 2024	Sunny	0.0	94.1	14:15	70.5	71.5	62.4	69.3	73.3	<Baseline Level	75	N/A	Traffic
				14:20	68.7	69.8	61.1						
				14:25	70.6	71.4	62.5						
				14:30	67.2	68.3	60.9						
				14:35	68.2	69.4	59.8						
				14:40	69.6	70.8	61.1						
28 Aug 2024	Sunny	0.0	94.1	14:15	68.1	69.7	59.4	71.9	73.3	<Baseline Level	75	N/A	Traffic
				14:20	69.6	71.2	57.8						
				14:25	71.5	73.2	59.7						
				14:30	73.7	75.0	63.7						
				14:35	73.0	74.5	62.9						
				14:40	72.9	74.0	62.8						

* 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)					
7 Aug 2024	Sunny	0.0	94.1	14:15	73.4	75.5	59.0	71.2	76.8	<Baseline Level	75	N/A	Traffic
				14:20	67.9	73.0	52.5						
				14:25	73.8	75.1	49.9						
				14:30	72.1	73.8	51.3						
				14:35	68.8	70.2	56.6						
				14:40	65.4	68.0	52.8						
14 Aug 2024	Sunny	0.0	94.1	14:15	65.8	67.4	56.7	63.9	76.8	<Baseline Level	75	N/A	Traffic
				14:20	60.1	62.0	53.3						
				14:25	62.4	64.2	54.6						
				14:30	63.5	65.4	55.3						
				14:35	64.2	66.0	56.1						
				14:40	65.1	66.8	56.4						
21 Aug 2024	Sunny	0.0	94.1	14:15	70.5	72.0	61.1	68.6	76.8	<Baseline Level	75	N/A	Traffic
				14:20	66.0	68.8	57.2						
				14:25	69.3	70.6	56.6						
				14:30	69.1	70.5	57.5						
				14:35	68.0	69.3	59.9						
				14:40	67.0	68.8	58.5						
28 Aug 2024	Sunny	0.0	94.1	14:15	70.8	72.8	54.7	69.3	76.8	<Baseline Level	75	N/A	Traffic
				14:20	69.3	71.1	58.1						
				14:25	67.9	70.3	56.1						
				14:30	71.2	72.9	60.9						
				14:35	65.5	68.1	56.8						
				14:40	68.6	70.3	57.2						

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



Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)

Location: 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)								
7 Aug 2024	Sunny	0.0	94.1	14:15	57.4	59.9	54.3	57.4	73.6	<Baseline Level	75	N/A	Demolition works at Restaurant
				14:20	56.7	60.4	55.6						
				14:25	57.6	59.9	51.7						
				14:30	56.8	59.1	52.3						
				14:35	58.1	60.4	51.8						
				14:40	57.5	59.9	51.4						
14 Aug 2024	Sunny	0.0	94.1	14:15	59.8	60.9	51.3	57.6	73.6	<Baseline Level	75	N/A	Demolition works at Restaurant
				14:20	55.6	56.9	48.9						
				14:25	55.8	56.9	49.3						
				14:30	56.3	57.4	48.8						
				14:35	58.9	59.9	49.2						
				14:40	57.6	60.0	50.2						
21 Aug 2024	Sunny	0.0	94.1	14:15	59.7	61.2	55.1	58.8	73.6	<Baseline Level	75	N/A	Demolition works at Restaurant
				14:20	57.8	59.8	54.6						
				14:25	58.2	59.6	53.2						
				14:30	58.1	59.4	53.3						
				14:35	59.6	61.0	53.2						
				14:40	58.9	60.8	53.5						
28 Aug 2024	Sunny	0.0	94.1	14:15	58.3	60.2	51.6	59.7	73.6	<Baseline Level	75	N/A	Demolition works at Restaurant
				14:20	60.4	62.3	51.6						
				14:25	59.4	62.1	51.9						
				14:30	61.8	63.3	54.5						
				14:35	58.4	60.3	53.0						
				14:40	58.8	60.1	52.4						

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



Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)

Location: N14 - South Lantau Community Centre

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construction Noise	Other Noise Source(s)
					Leq	L10	L90	Leq	Leq	Leq	Leq		
					Unit: dB(A), (5-min)			Unit: dB(A), (30-min)					
7 Aug 2024	Sunny	0.0	94.1	14:15	72.1	72.5	71.7	72.2	62.2	72	75	Fan, Excavating	Traffic
				14:20	72.1	73.0	71.4						
				14:25	72.2	72.7	71.7						
				14:30	72.3	72.6	71.2						
				14:35	72.1	72.0	71.3						
				14:40	72.2	72.8	71.5						
14 Aug 2024	Sunny	0.0	94.1	14:15	58.4	60.2	42.3	57.4	62.2	<Baseline Level	75	Excavating	Traffic
				14:20	57.9	62.0	49.7						
				14:25	56.4	60.5	44.9						
				14:30	55.3	60.0	46.7						
				14:35	56.7	60.3	48.2						
				14:40	58.9	62.4	44.9						
21 Aug 2024	Sunny	0.0	94.1	14:15	68.6	70.0	57.3	67.9	62.2	67	75	Excavating	Traffic
				14:20	68.2	71.4	62.3						
				14:25	67.2	70.2	59.1						
				14:30	66.5	69.9	60.2						
				14:35	67.4	69.9	61.3						
				14:40	69.0	71.6	59.1						
28 Aug 2024	Sunny	0.0	94.1	14:15	66.7	68.4	52.2	65.8	62.2	63	75	Excavating	Traffic
				14:20	66.2	70.1	58.8						
				14:25	64.9	68.7	54.5						
				14:30	64.0	68.2	56.1						
				14:35	65.2	68.4	57.4						
				14:40	67.2	70.4	54.5						

* 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						
					Unit: dB(A), (5-min)								
7 Aug 2024	Sunny	0.0	94.1	14:15	65.3	67.4	52.8	67.2	70.7	<Baseline Level	75	N/A	Traffic
				14:20	63.7	65.1	53.9						
				14:25	70.4	74.5	54.5						
				14:30	68.8	72.8	52.6						
				14:35	66.9	70.7	53.7						
				14:40	63.8	67.8	54.6						
14 Aug 2024	Sunny	0.0	94.1	14:15	62.4	65.8	55.4	63.7	70.7	<Baseline Level	75	N/A	Traffic
				14:20	63.4	67.0	57.0						
				14:25	64.7	66.2	53.4						
				14:30	65.1	67.0	52.8						
				14:35	62.5	64.2	55.6						
				14:40	63.4	65.2	56.4						
21 Aug 2024	Sunny	0.0	94.1	14:15	65.9	68.1	58.1	67.1	70.7	<Baseline Level	75	N/A	Traffic
				14:20	65.7	67.7	59.2						
				14:25	68.9	71.1	58.0						
				14:30	68.4	70.8	57.0						
				14:35	66.6	68.8	58.6						
				14:40	65.7	68.0	59.2						
28 Aug 2024	Sunny	0.0	94.1	14:15	69.8	73.1	54.0	68.0	70.7	<Baseline Level	75	N/A	Traffic
				14:20	67.3	70.4	56.2						
				14:25	66.1	69.3	57.1						
				14:30	66.7	69.8	58.5						
				14:35	67.2	70.3	60.0						
				14:40	69.7	71.7	57.3						

* 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)								
7 Aug 2024	Sunny	0.0	94.1	14:15	57.4	58.1	45.3	57.1	68.1	<Baseline Level	75	N/A	Traffic
				14:20	57.8	60.7	45.9						
				14:25	55.8	59.7	46.8						
				14:30	57.7	59.4	45.9						
				14:35	56.8	58.0	44.8						
				14:40	56.9	58.2	44.9						
14 Aug 2024	Sunny	0.0	94.1	14:15	55.4	58.9	48.9	52.9	68.1	<Baseline Level	75	N/A	Traffic
				14:20	51.0	55.3	45.3						
				14:25	50.7	54.3	45.2						
				14:30	52.8	56.7	45.0						
				14:35	53.4	57.3	46.7						
				14:40	52.6	56.1	46.8						
21 Aug 2024	Sunny	0.0	94.1	14:15	55.3	56.8	48.6	54.2	68.1	<Baseline Level	75	N/A	Traffic
				14:20	53.8	56.4	47.5						
				14:25	53.0	55.7	47.8						
				14:30	54.4	56.5	47.4						
				14:35	54.3	56.2	47.6						
				14:40	54.1	55.8	47.7						
28 Aug 2024	Sunny	0.0	94.1	14:15	57.6	60.7	46.7	56.6	68.1	<Baseline Level	75	N/A	Traffic
				14:20	57.4	60.3	47.1						
				14:25	57.1	59.7	47.2						
				14:30	57.7	60.5	50.4						
				14:35	54.5	58.3	47.8						
				14:40	53.8	57.3	47.9						

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



Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)

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

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construct ion Noise	Other Noise Source(s)
					Leq	L10	L90	Leq	Leq	Leq	Leq		
					Unit: dB(A), (5-min)			Unit: dB(A), (30-min)					
7 Aug 2024	Sunny	0.0	94.1	14:15	49.3	51.4	41.9	49.7	68.5	<Baseline Level	75	N/A	Traffic
				14:20	46.1	47.4	44.6						
				14:25	51.1	54.1	45.7						
				14:30	52.8	56.3	46.8						
				14:35	48.7	52.1	45.6						
				14:40	46.5	49.9	44.3						
14 Aug 2024	Sunny	0.0	94.1	14:15	55.4	58.9	48.3	51.5	68.5	<Baseline Level	75	N/A	Traffic
				14:20	51.0	55.2	51.9						
				14:25	50.7	54.3	50.6						
				14:30	49.8	53.6	52.3						
				14:35	48.9	52.9	50.4						
				14:40	49.3	53.1	51.3						
21 Aug 2024	Sunny	0.0	94.1	14:15	50.4	52.4	45.2	50.4	68.5	<Baseline Level	75	N/A	Traffic
				14:20	49.6	51.6	49.4						
				14:25	51.3	53.7	49.4						
				14:30	51.6	54.2	50.4						
				14:35	49.8	52.5	49.2						
				14:40	49.2	51.8	49.1						
28 Aug 2024	Sunny	0.0	94.1	14:15	51.2	55.3	49.3	51.7	68.5	<Baseline Level	75	N/A	Traffic
				14:20	50.4	54.6	49.6						
				14:25	49.4	53.4	49.3						
				14:30	53.0	56.0	46.1						
				14:35	52.1	55.6	52.5						
				14:40	52.9	56.2	51.8						

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



Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)

Location: 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	Leq		
					Unit: dB(A), (5-min)			Unit: dB(A), (30-min)					
7 Aug 2024	Sunny	0.0	94.1	14:15	50.2	52.4	47.8	51.1	62.3	<Baseline Level	70	N/A	Traffic
				14:20	51.6	53.7	48.0						
				14:25	50.9	53.3	48.2						
				14:30	51.2	53.4	47.2						
				14:35	51.8	53.8	48.9						
				14:40	50.9	52.9	48.0						
14 Aug 2024	Sunny	0.0	94.1	14:15	48.6	49.7	47.5	50.5	62.3	<Baseline Level	70	N/A	Traffic
				14:20	50.2	52.8	48.3						
				14:25	51.9	53.0	47.7						
				14:30	49.7	51.6	48.3						
				14:35	50.3	52.6	48.9						
				14:40	51.5	53.4	47.6						
21 Aug 2024	Sunny	0.0	94.1	14:15	50.1	51.6	48.5	51.4	62.3	<Baseline Level	70	N/A	Traffic
				14:20	51.5	53.6	49.0						
				14:25	51.9	53.5	48.8						
				14:30	51.1	52.9	48.6						
				14:35	51.6	53.5	49.7						
				14:40	51.7	53.5	48.7						
28 Aug 2024	Sunny	0.0	94.1	14:15	51.5	53.8	48.5	52.0	62.3	<Baseline Level	70	N/A	Traffic
				14:20	52.2	54.6	49.8						
				14:25	52.3	54.5	48.6						
				14:30	50.3	51.7	48.8						
				14:35	51.9	54.5	49.5						
				14:40	53.1	54.6	49.1						

* 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)					
4 Sep 2024	Sunny	0.0	94.1	14:15	72.4	75.5	48.5	71.3	73.3	<Baseline Level	75	N/A	Traffic
				14:20	70.4	76.4	48.2						
				14:25	70.9	75.1	48.2						
				14:30	71.2	74.2	47.3						
				14:35	72.0	75.1	48.9						
				14:40	70.5	73.2	48.6						
11 Sep 2024	Sunny	0.0	94.1	14:15	69.3	72.5	46.8	68.8	73.3	<Baseline Level	75	N/A	Traffic
				14:20	68.8	71.6	47.3						
				14:25	67.2	70.6	46.5						
				14:30	69.4	72.5	46.4						
				14:35	69.5	72.6	47.8						
				14:40	68.4	71.3	46.9						
20 Sep 2024	Sunny	0.0	94.1	16:00	67.9	69.1	45.8	68.2	73.3	<Baseline Level	75	N/A	Traffic
				16:05	67.9	69.8	47.2						
				16:10	67.8	70.8	49.1						
				16:15	68.0	70.9	49.7						
				16:20	68.4	70.2	48.6						
				16:25	69.1	70.8	49.3						
26 Sep 2024	Sunny	0.0	94.1	16:20	63.6	67.8	47.9	66.4	73.3	<Baseline Level	75	N/A	Traffic
				16:25	66.2	69.9	48.2						
				16:30	66.9	70.1	48.3						
				16:35	68.1	70.8	49.6						
				16:40	65.8	69.2	47.5						
				16:45	66.6	69.4	48.7						

* 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	Leq	Leq	Leq	Leq		
					Unit: dB(A), (5-min)			Unit: dB(A), (30-min)					
4 Sep 2024	Sunny	0.0	94.1	13:40	61.7	64.2	57.1	62.2	76.8	<Baseline Level	75	N/A	Traffic
				13:45	62.5	65.8	59.6						
				13:50	62.5	65.2	50.4						
				13:55	63.4	66.2	56.5						
				14:00	61.8	64.5	57.2						
				14:05	60.5	63.8	52.2						
11 Sep 2024	Sunny	0.0	94.1	13:40	63.8	66.4	50.6	64.4	76.8	<Baseline Level	75	N/A	Traffic
				13:45	63.4	66.3	53.1						
				13:50	65.6	68.5	51.3						
				13:55	64.5	67.4	52.6						
				14:00	65.1	67.9	56.1						
				14:05	63.2	66.2	50.5						
20 Sep 2024	Sunny	0.0	94.1	13:35	63.9	66.9	58.9	67.1	76.8	<Baseline Level	75	N/A	Traffic
				13:40	66.6	69.2	57.4						
				13:45	68.8	70.5	59.6						
				13:50	65.9	68.8	58.6						
				13:55	68.1	71.4	59.4						
				14:00	67.5	70.1	58.5						
26 Sep 2024	Sunny	0.0	94.1	14:50	61.8	65.6	48.0	65.3	76.8	<Baseline Level	75	N/A	Traffic
				14:55	65.4	69.5	48.4						
				15:00	65.4	69.0	48.8						
				15:05	65.3	68.8	49.2						
				15:10	66.4	69.0	49.5						
				15:15	66.1	68.9	49.9						

* 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	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
4 Sep 2024	Sunny	0.0	94.1	11:30	59.2	62.6	53.7	60.6	73.6	<Baseline Level	75	N/A	Demolation works at Restaurant
				11:35	62.7	66.4	53.5						
				11:40	60.2	64.2	52.9						
				11:45	60.5	63.1	52.8						
				11:50	58.9	61.5	43.6						
				11:55	61.2	63.8	53.4						
11 Sep 2024	Sunny	0.0	94.1	11:30	62.3	64.5	54.5	64.1	73.6	<Baseline Level	75	N/A	Demolation works at Restaurant
				11:35	64.8	67.6	54.6						
				11:40	65.6	68.1	52.3						
				11:45	64.5	67.0	50.5						
				11:50	64.1	66.5	51.3						
				11:55	62.3	64.5	52.6						
20 Sep 2024	Sunny	0.0	94.1	14:10	58.0	59.6	52.5	59.6	73.6	<Baseline Level	75	N/A	Demolation works at Restaurant
				14:15	58.8	59.8	52.3						
				14:20	59.5	60.3	51.9						
				14:25	60.2	61.9	51.8						
				14:30	58.5	59.4	50.7						
				14:35	61.5	63.1	52.0						
26 Sep 2024	Sunny	0.0	94.1	14:10	59.3	63.9	54.0	59.0	73.6	<Baseline Level	75	N/A	Demolation works at Restaurant
				14:15	58.6	60.5	54.5						
				14:20	58.5	60.9	53.7						
				14:25	60.1	63.0	54.3						
				14:30	59.2	62.3	53.4						
				14:35	58.2	61.5	51.2						

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



Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)

Location: N14 - South Lantau Community Centre

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construct ion Noise	Other Noise Source(s)
					Leq	L10	L90	Leq	Leq	Leq	Leq		
					Unit: dB(A), (5-min)								
4 Sep 2024	Sunny	0.0	94.1	10:55	53.8	56.1	42.1	53.0	62.2	<Baseline Level	75	Fan, Excavatin g	Traffic
				11:00	51.2	54.9	42.8						
				11:05	54.6	58.4	47.3						
				11:10	52.6	56.4	46.5						
				11:15	53.6	57.6	42.3						
				11:20	51.2	55.1	42.8						
11 Sep 2024	Sunny	0.0	94.1	10:55	53.2	57.3	43.2	54.7	62.2	<Baseline Level	75	Excavatin g	Traffic
				11:00	52.6	55.6	43.5						
				11:05	56.4	60.1	41.8						
				11:10	57.5	61.2	44.9						
				11:15	52.3	56.7	45.1						
				11:20	53.1	56.8	42.3						
19 Sep 2024	Sunny	0.0	94.1	14:35	60.7	63.9	51.7	59.1	62.2	<Baseline Level	75	Excavatin g	Traffic
				14:40	59.5	62.0	51.3						
				14:45	58.9	61.1	51.2						
				14:50	58.7	60.6	51.4						
				14:55	57.0	60.9	51.5						
				15:00	58.8	60.6	51.7						
26 Sep 2024	Sunny	0.0	94.1	9:50	56.2	58.5	53.2	59.4	62.2	<Baseline Level	75	Excavatin g	Traffic
				9:55	55.6	57.7	52.3						
				10:00	57.8	58.0	53.7						
				10:05	60.5	61.9	55.4						
				10:10	59.2	60.5	52.3						
				10:15	62.9	64.1	54.4						

* 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	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)								
	Sunny	0.0	94.1	15:00	66.5	68.1	64.6	64.9	70.7	<Baseline Level	75	N/A	Traffic
				15:05	65.5	67.9	63.5						
				15:10	63.1	63.5	62.7						
				15:15	65.0	67.1	63.4						
				15:20	63.5	65.6	64.5						
				15:25	65.1	67.2	63.1						
11 Sep 2024	Sunny	0.0	94.1	15:00	66.6	68.7	61.5	64.2	70.7	<Baseline Level	75	N/A	Traffic
				15:05	64.2	66.1	62.3						
				15:10	63.1	65.8	60.5						
				15:15	64.5	66.4	59.8						
				15:20	63.5	65.3	62.3						
				15:25	61.8	63.7	59.4						
19 Sep 2024	Sunny	0.0	94.1	14:05	58.6	61.6	46.4	57.6	70.7	<Baseline Level	75	N/A	Traffic
				14:10	58.0	62.5	47.1						
				14:15	56.0	57.4	47.7						
				14:20	58.1	58.5	47.7						
				14:25	57.4	58.3	46.4						
				14:30	56.7	58.1	47.4						
26 Sep 2024	Sunny	0.0	94.1	11:10	69.0	68.1	57.8	67.5	70.7	<Baseline Level	75	N/A	Traffic
				11:15	63.1	63.8	56.9						
				11:20	61.4	64.4	55.8						
				11:25	69.6	71.5	53.8						
				11:30	69.3	70.7	58.9						
				11:35	66.6	68.9	58.9						

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



Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)

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

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construction Noise	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
Unit: dB(A), (30-min)													
4 Sep 2024	Sunny	0.0	94.1	9:45	56.1	58.2	46.0	55.4	68.1	<Baseline Level	75	N/A	Traffic
				9:50	53.8	55.3	45.6						
				9:55	56.7	49.5	42.0						
				10:00	56.2	58.0	46.2						
				10:05	56.3	58.2	45.2						
				10:10	51.2	53.3	42.6						
11 Sep 2024	Sunny	0.0	94.1	9:45	56.3	58.3	41.8	54.6	68.1	<Baseline Level	75	N/A	Traffic
				9:50	56.1	57.8	42.6						
				9:55	55.2	57.2	46.2						
				10:00	53.2	55.3	45.2						
				10:05	51.8	53.1	44.8						
				10:10	53.2	55.2	46.2						
19 Sep 2024	Sunny	0.0	94.1	13:30	57.8	60.5	51.2	57.8	68.1	<Baseline Level	75	N/A	Traffic
				13:35	55.4	58.7	42.6						
				13:40	61.2	57.4	42.9						
				13:45	56.7	58.1	44.6						
				13:50	55.9	57.0	42.4						
				13:55	57.1	57.7	43.1						
25 Sep 2024	Sunny	0.0	94.1	14:25	56.5	59.2	48.3	58.5	68.1	<Baseline Level	75	N/A	Traffic
				14:30	58.0	59.1	48.2						
				14:35	58.2	60.0	48.3						
				14:40	58.5	59.8	48.2						
				14:45	59.6	60.3	48.3						
				14:50	59.4	60.2	48.3						

* 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)					
4 Sep 2024	Sunny	0.0	94.1	10:20	47.6	50.3	40.2	50.8	68.5	<Baseline Level	75	N/A	Traffic
				10:25	50.1	54.0	40.1						
				10:30	51.4	51.8	40.6						
				10:35	49.5	50.6	43.2						
				10:40	51.2	52.3	41.2						
				10:45	53.2	54.3	40.5						
11 Sep 2024	Sunny	0.0	94.1	10:20	55.6	56.4	42.3	55.4	68.5	<Baseline Level	75	N/A	Traffic
				10:25	56.4	57.6	43.4						
				10:30	51.2	52.3	43.5						
				10:35	56.3	57.1	43.6						
				10:40	55.6	56.8	41.2						
				10:45	55.8	56.9	42.8						
20 Sep 2024	Sunny	0.0	94.1	14:43	62.6	64.8	53.0	61.9	68.5	<Baseline Level	75	N/A	Traffic
				14:48	63.2	65.4	52.9						
				14:53	62.1	64.6	52.9						
				14:58	62.6	65.5	53.0						
				15:03	60.1	61.5	51.2						
				15:08	59.7	61.1	50.6						
25 Sep 2024	Sunny	0.0	94.1	10:25	57.9	58.7	47.4	57.6	68.5	<Baseline Level	75	N/A	Traffic
				10:30	57.5	58.5	47.5						
				10:35	57.7	58.4	46.7						
				10:40	57.6	58.3	47.2						
				10:45	57.4	57.9	47.0						
				10:50	57.5	58.0	46.9						

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



Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)

Location: N17 - Bui O Public School

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Limit Level	Major Construction Noise Source(s)*	Other Noise Source(s)
					Leq	L10	L90		Leq	Leq	Leq		
					Unit: dB(A), (5-min)								
4 Sep 2024	Sunny	0.0	94.1	13:00	55.2	56.8	52.7	54.3	62.3	<Baseline Level	70	N/A	Traffic
				13:05	53.6	55.3	52.4						
				13:10	53.1	55.8	52.2						
				13:15	52.6	54.8	56.2						
				13:20	56.1	58.6	52.1						
				13:25	54.2	56.4	51.8						
11 Sep 2024	Sunny	0.0	94.1	13:00	56.2	58.5	52.6	55.9	62.3	<Baseline Level	70	N/A	Traffic
				13:05	57.5	59.5	52.1						
				13:10	55.4	57.5	52.3						
				13:15	56.2	58.5	53.6						
				13:20	52.4	54.7	52.6						
				13:25	56.1	58.4	53.4						
19 Sep 2024	Sunny	0.0	94.1	15:10	55.7	57.4	52.4	55.5	62.3	<Baseline Level	70	N/A	Traffic
				15:15	55.8	57.7	52.7						
				15:20	55.4	57.0	52.8						
				15:25	55.9	56.7	52.8						
				15:30	55.1	56.6	52.6						
				15:35	54.9	56.3	52.5						
26 Sep 2024	Sunny	1.4	94.1	10:25	57.9	58.7	47.4	57.7	62.3	<Baseline Level	70	N/A	Traffic
				10:30	57.8	58.5	47.5						
				10:35	56.9	58.1	48.4						
				10:40	57.2	58.4	47.5						
				10:45	57.5	58.0	48.4						
				10:50	58.5	59.5	47.7						

* 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 Leq	Baseline Level Leq	Construction Noise Level Leq	Action Level Leq	Major Construction Noise Source(s)*	Other Noise Source(s)
					Leq	L10	L90						
					Unit: dB(A), (5-min)								
3 Oct 2024	Sunny	0.0	94.1	14:15	69.7	72.6	61.3	70.0	73.3	<Baseline Level	75	N/A	Traffic
				14:20	68.6	71.2	62.6						
				14:25	65.4	68.6	60.4						
				14:30	69.3	72.3	61.2						
				14:35	71.2	73.4	63.2						
				14:40	72.6	75.5	65.3						
9 Oct 2024	Sunny	0.0	94.1	14:15	71.2	73.6	60.4	72.9	73.3	<Baseline Level	75	N/A	Traffic
				14:20	73.6	76.2	58.9						
				14:25	70.4	72.8	59.3						
				14:30	75.2	77.6	62.6						
				14:35	73.1	75.4	63.5						
				14:40	72.2	74.3	59.6						
16 Oct 2024	Sunny	0.0	94.1	16:00	71.2	73.2	57.7	71.6	73.3	<Baseline Level	75	N/A	Traffic
				16:05	71.3	74.0	58.5						
				16:10	69.5	71.7	56.1						
				16:15	72.8	75.5	60.9						
				16:20	71.9	74.3	59.3						
				16:25	72.2	74.3	57.8						
23 Oct 2024	Sunny	0.0	94.1	16:20	71.0	73.3	58.8	71.5	73.3	<Baseline Level	75	N/A	Traffic
				16:25	71.5	73.8	59.2						
				16:30	69.4	71.5	57.4						
				16:35	72.9	75.0	61.2						
				16:40	71.7	74.0	60.2						
				16:45	71.8	74.0	58.5						
30 Oct 2024	Sunny	0.0	94.1	14:15	68.9	70.7	56.3	68.5	73.3	<Baseline Level	75	N/A	Traffic
				14:20	67.2	69.2	58.6						
				14:25	66.5	68.5	54.5						
				14:30	68.5	70.2	59.2						
				14:35	69.1	71.1	55.5						
				14:40	70.0	71.6	56.8						

* 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 Oct 2024	Sunny	0.0	94.1	13:40	59.3	62.3	55.5	61.5	76.8	<Baseline Level	75	N/A	Traffic
				13:45	58.6	61.8	54.3						
				13:50	60.3	63.3	53.2						
				13:55	63.1	66.6	53.1						
				14:00	64.5	67.2	52.7						
				14:05	59.7	62.1	51.4						
9 Oct 2024	Sunny	0.0	94.1	13:40	66.2	69.7	58.2	62.2	76.8	<Baseline Level	75	N/A	Traffic
				13:45	55.9	62.6	57.2						
				13:50	62.0	67.3	57.5						
				13:55	63.5	66.5	56.8						
				14:00	58.6	61.4	59.1						
				14:05	59.3	62.3	58.3						
16 Oct 2024	Sunny	0.0	94.1	13:35	61.8	65.3	56.1	59.4	76.8	<Baseline Level	75	N/A	Traffic
				13:40	56.0	60.8	55.3						
				13:45	58.3	63.3	55.2						
				13:50	60.2	63.5	55.1						
				13:55	58.1	61.4	56.5						
				14:00	59.9	63.4	55.0						
23 Oct 2024	Sunny	0.0	94.1	14:50	62.6	65.9	56.8	60.2	76.8	<Baseline Level	75	N/A	Traffic
				14:55	56.9	61.4	56.3						
				15:00	59.1	63.4	55.9						
				15:05	60.7	63.9	56.1						
				15:10	59.1	61.8	57.3						
				15:15	60.7	64.1	56.2						
30 Oct 2024	Sunny	0.0	94.1	13:40	57.5	60.6	55.3	58.1	76.8	<Baseline Level	75	Lifting machine	Traffic
				13:45	56.6	59.7	54.2						
				13:50	55.3	58.4	54.0						
				13:55	56.6	59.7	55.1						
				14:00	58.7	61.8	54.3						
				14:05	61.2	64.3	53.2						

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



Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)

Location: N13 - 74 Pui O San Wai Tsuen

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construction Noise Source(s)*	Other Noise Source(s)
					Leq	L10	L90	Leq	Leq	Leq	Leq		
					Unit: dB(A), (5-min)								
3 Oct 2024	Sunny	0.0	94.1	11:30	63.4	66.8	53.6	63.0	73.6	<Baseline Level	75	N/A	Demolition works at Restaurant
				11:35	62.5	66.9	54.5						
				11:40	61.8	65.6	55.5						
				11:45	60.9	64.1	55.6						
				11:50	62.7	66.2	56.7						
				11:55	65.3	69.2	52.3						
9 Oct 2024	Sunny	0.0	94.1	11:30	64.6	69.3	55.2	61.4	73.6	<Baseline Level	75	N/A	Demolition works at Restaurant
				11:35	55.9	57.4	53.4						
				11:40	62.0	66.6	53.9						
				11:45	61.8	66.1	54.8						
				11:50	60.3	64.7	55.3						
				11:55	59.4	65.0	53.6						
16 Oct 2024	Sunny	0.0	94.1	14:10	62.1	67.4	52.2	60.2	73.6	<Baseline Level	75	N/A	Demolition works at Restaurant
				14:15	57.6	59.9	51.8						
				14:20	59.7	63.5	51.2						
				14:25	58.7	62.6	52.8						
				14:30	60.4	64.9	53.4						
				14:35	61.1	65.3	51.8						
23 Oct 2024	Sunny	0.0	94.1	14:10	62.6	67.6	53.2	60.8	73.6	<Baseline Level	75	N/A	Demolition works at Restaurant
				14:15	58.5	60.6	53.1						
				14:20	60.0	63.8	52.6						
				14:25	59.5	63.4	54.0						
				14:30	61.1	64.9	54.5						
				14:35	61.7	65.6	53.2						
30 Oct 2024	Sunny	0.0	94.1	11:30	59.6	63.9	51.1	59.9	73.6	<Baseline Level	75	N/A	Demolition works at Restaurant
				11:35	59.8	63.2	51.8						
				11:40	57.4	60.4	50.6						
				11:45	56.3	59.3	52.9						
				11:50	61.2	64.1	53.1						
				11:55	62.3	65.4	52.1						

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



Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)

Location: N14 - South Lantau Community Centre

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construction Noise	Other Noise Source(s)
					Leq	L10	L90	Leq	Leq	Leq	Leq		
					Unit: dB(A), (5-min)			Unit: dB(A), (30-min)					
3 Oct 2024	Sunny	0.0	94.1	10:55	58.6	60.2	43.6	58.4	62.2	<Baseline Level	75	Fan, Excavating	Traffic
				11:00	58.6	60.3	40.9						
				11:05	58.7	61.2	40.8						
				11:10	57.4	59.6	43.2						
				11:15	57.3	59.7	42.5						
				11:20	59.2	60.8	42.6						
9 Oct 2024	Sunny	0.0	94.1	10:55	59.4	62.5	43.0	56.5	62.2	<Baseline Level	75	Excavating	Traffic
				11:00	57.6	60.5	43.6						
				11:05	54.7	60.3	44.9						
				11:10	55.5	58.9	45.9						
				11:15	56.1	59.3	45.8						
				11:20	53.1	56.6	44.3						
16 Oct 2024	Sunny	0.0	94.1	14:35	61.0	62.7	51.0	59.1	62.2	<Baseline Level	75	Excavating	Traffic
				14:40	59.2	61.1	51.3						
				14:45	57.9	61.5	52.3						
				14:50	59.4	61.9	53.2						
				14:55	58.7	60.8	53.0						
				15:00	57.2	59.9	51.7						
23 Oct 2024	Sunny	0.0	94.1	9:50	61.8	63.4	52.3	59.9	62.2	<Baseline Level	75	Excavating	Traffic
				9:55	59.9	61.8	52.8						
				10:00	58.9	62.2	53.4						
				10:05	60.2	62.0	54.4						
				10:10	59.4	61.5	54.2						
				10:15	58.2	60.6	53.3						
30 Oct 2024	Sunny	0.0	94.1	10:55	62.5	63.2	61.2	62.3	62.2	45	75	Excavating	Traffic
				11:00	61.4	61.7	61.1						
				11:05	61.8	62.6	61.2						
				11:10	63.5	64.3	61.8						
				11:15	61.5	61.9	62.1						
				11:20	62.6	63.5	61.5						

* 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						
					Unit: dB(A), (5-min)								
3 Oct 2024	Sunny	0.0	94.1	15:00	61.2	65.3	50.8	61.8	70.7	<Baseline Level	75	N/A	Traffic
				15:05	62.3	65.8	52.8						
				15:10	60.2	63.4	51.9						
				15:15	60.9	63.9	52.6						
				15:20	62.7	65.1	52.4						
				15:25	62.7	65.3	51.9						
9 Oct 2024	Sunny	0.0	94.1	15:00	69.3	70.3	67.1	66.1	70.7	<Baseline Level	75	N/A	Traffic
				15:05	60.7	62.0	54.1						
				15:10	69.1	72.7	62.5						
				15:15	65.4	67.8	63.2						
				15:20	63.5	64.6	54.3						
				15:25	60.8	62.3	55.3						
16 Oct 2024	Sunny	0.0	94.1	14:05	64.7	68.1	59.0	63.4	70.7	<Baseline Level	75	N/A	Traffic
				14:10	62.2	63.2	52.3						
				14:15	64.8	69.3	57.1						
				14:20	62.9	65.5	57.3						
				14:25	62.7	63.2	51.8						
				14:30	61.9	64.0	52.8						
23 Oct 2024	Sunny	0.0	94.1	11:10	65.3	68.4	59.5	63.8	70.7	<Baseline Level	75	N/A	Traffic
				11:15	62.6	63.5	53.1						
				11:20	64.7	69.4	57.7						
				11:25	63.5	65.6	57.8						
				11:30	63.3	63.5	53.1						
				11:35	62.3	63.9	53.9						
30 Oct 2024	Sunny	0.0	94.1	15:00	59.7	64.5	51.6	61.4	70.7	<Baseline Level	75	N/A	Traffic
				15:05	63.6	63.8	51.8						
				15:10	59.4	63.8	51.9						
				15:15	60.3	62.6	51.6						
				15:20	61.2	61.9	51.3						
				15:25	62.6	64.6	51.7						

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



Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)

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

Date	Weather	Wind Speed	Calibration Check	Time	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Action Level	Major Construction Noise Source(s)*	Other Noise Source(s)
					Leq	L10	L90	Leq	Leq	Leq	Leq		
					Unit: dB(A), (5-min)			Unit: dB(A), (30-min)					
3 Oct 2024	Sunny	0.0	94.1	9:45	50.0	53.1	46.5	49.7	68.1	<Baseline Level	75	N/A	Traffic
				9:50	51.2	53.2	46.8						
				9:55	48.8	52.2	47.2						
				10:00	47.6	50.3	48.9						
				10:05	49.3	52.8	49.5						
				10:10	50.2	51.9	46.3						
9 Oct 2024	Sunny	0.0	94.1	9:45	47.2	50.9	40.5	46.6	68.1	<Baseline Level	75	N/A	Traffic
				9:50	45.9	47.3	42.1						
				9:55	46.9	50.1	40.9						
				10:00	45.3	48.3	41.1						
				10:05	46.8	49.5	40.6						
				10:10	47.1	50.2	42.1						
16 Oct 2024	Sunny	0.0	94.1	13:30	47.0	50.6	39.1	47.7	68.1	<Baseline Level	75	N/A	Traffic
				13:35	45.3	47.9	40.4						
				13:40	49.8	52.8	41.0						
				13:45	47.2	50.1	40.3						
				13:50	47.7	50.3	40.3						
				13:55	47.8	51.7	40.6						
23 Oct 2024	Sunny	0.0	94.1	14:25	48.6	51.7	40.9	48.9	68.1	<Baseline Level	75	N/A	Traffic
				14:30	47.1	49.1	42.4						
				14:35	50.9	54.3	42.9						
				14:40	48.2	51.5	42.3						
				14:45	48.7	51.8	40.5						
				14:50	49.0	52.6	41.8						
30 Oct 2024	Sunny	0.0	94.1	9:45	49.7	52.8	42.0	51.4	68.1	<Baseline Level	75	N/A	Traffic
				9:50	48.1	51.1	42.4						
				9:55	54.5	57.7	44.6						
				10:00	51.3	54.3	43.2						
				10:05	50.7	53.2	40.5						
				10:10	51.2	54.6	42.3						

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



Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)

Location: 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)								
3 Oct 2024	Sunny	0.0	94.1	10:20	51.2	53.2	46.0	53.4	68.5	<Baseline Level	75	N/A	Traffic
				10:25	53.5	56.8	48.3						
				10:30	55.5	58.6	46.2						
				10:35	51.3	54.2	46.8						
				10:40	53.5	57.3	47.1						
				10:45	53.8	57.8	46.9						
9 Oct 2024	Sunny	0.0	94.1	10:20	50.2	53.1	47.0	54.7	68.5	<Baseline Level	75	N/A	Traffic
				10:25	58.3	61.9	46.6						
				10:30	52.0	53.3	45.2						
				10:35	53.5	54.6	46.2						
				10:40	52.6	53.9	45.8						
				10:45	56.3	57.0	47.2						
16 Oct 2024	Sunny	0.0	94.1	14:43	52.5	53.1	43.1	52.2	68.5	<Baseline Level	75	N/A	Traffic
				14:48	52.7	56.4	42.6						
				14:53	49.5	52.5	41.1						
				14:58	50.5	53.1	42.0						
				15:03	52.0	54.2	42.4						
				15:08	54.2	55.7	43.0						
23 Oct 2024	Sunny	0.0	94.1	10:25	53.7	54.2	44.8	53.3	68.5	<Baseline Level	75	N/A	Traffic
				10:30	53.5	57.1	44.5						
				10:35	50.8	53.6	42.9						
				10:40	52.0	54.3	43.8						
				10:45	53.1	55.2	44.2						
				10:50	55.2	56.5	44.6						
30 Oct 2024	Sunny	0.0	94.1	10:20	56.1	54.4	42.7	52.6	68.5	<Baseline Level	75	N/A	Traffic
				10:25	48.4	51.5	42.1						
				10:30	49.3	54.0	40.6						
				10:35	50.2	53.2	41.3						
				10:40	53.3	55.3	42.5						
				10:45	53.4	55.0	42.6						

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



Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)

Location: 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)			Leq	Unit: dB(A), (30-min)				
3 Oct 2024	Sunny	0.0	94.1	13:00	49.7	52.3	48.3	50.3	62.3	<Baseline Level	70	N/A	Traffic
				13:05	50.6	52.3	47.3						
				13:10	51.3	53.5	48.9						
				13:15	49.8	52.1	46.5						
				13:20	49.9	50.9	49.0						
				13:25	50.2	52.6	47.3						
9 Oct 2024	Sunny	0.0	94.1	13:00	54.3	56.7	51.2	52.3	62.3	<Baseline Level	70	N/A	Traffic
				13:05	51.8	53.8	50.0						
				13:10	51.7	53.9	48.7						
				13:15	52.6	55.0	49.3						
				13:20	51.9	54.2	50.2						
				13:25	50.4	52.9	47.6						
16 Oct 2024	Sunny	0.0	94.1	15:10	53.0	54.8	49.5	51.5	62.3	<Baseline Level	70	N/A	Traffic
				15:15	51.6	53.2	49.3						
				15:20	50.0	52.1	48.0						
				15:25	50.7	53.0	47.9						
				15:30	52.6	55.2	50.9						
				15:35	49.9	52.7	48.0						
23 Oct 2024	Sunny	0.0	94.1	10:25	54.0	56.2	51.0	52.7	62.3	<Baseline Level	70	N/A	Traffic
				10:30	52.5	54.6	50.8						
				10:35	51.3	53.6	49.4						
				10:40	51.9	54.0	49.5						
				10:45	54.1	55.8	52.0						
				10:50	51.6	53.8	49.2						
30 Oct 2024	Sunny	0.0	94.1	13:00	53.0	54.8	50.6	52.7	62.3	<Baseline Level	70	N/A	Traffic
				13:05	52.9	54.5	50.8						
				13:10	50.0	52.3	50.3						
				13:15	51.2	53.1	49.3						
				13:20	55.3	57.0	53.2						
				13:25	52.1	54.6	50.6						

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

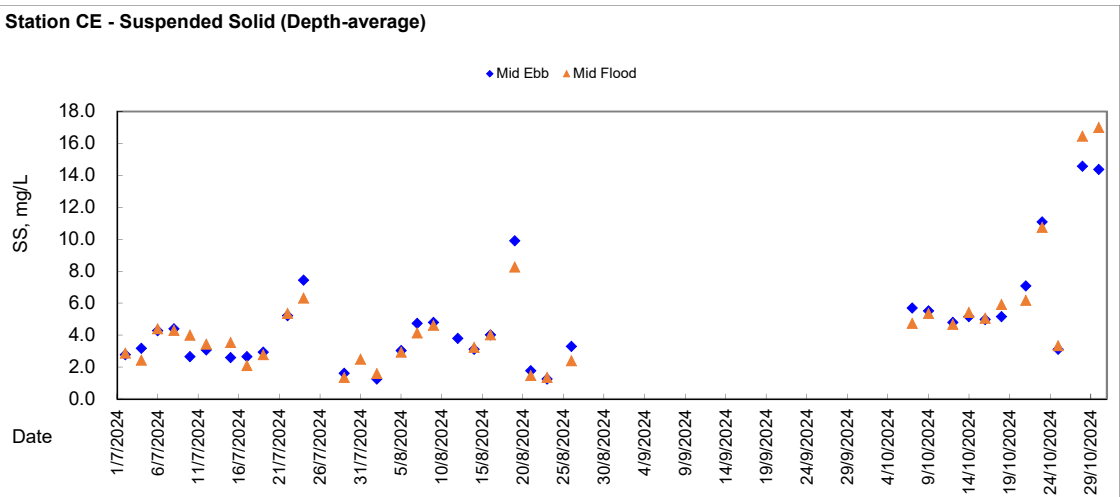
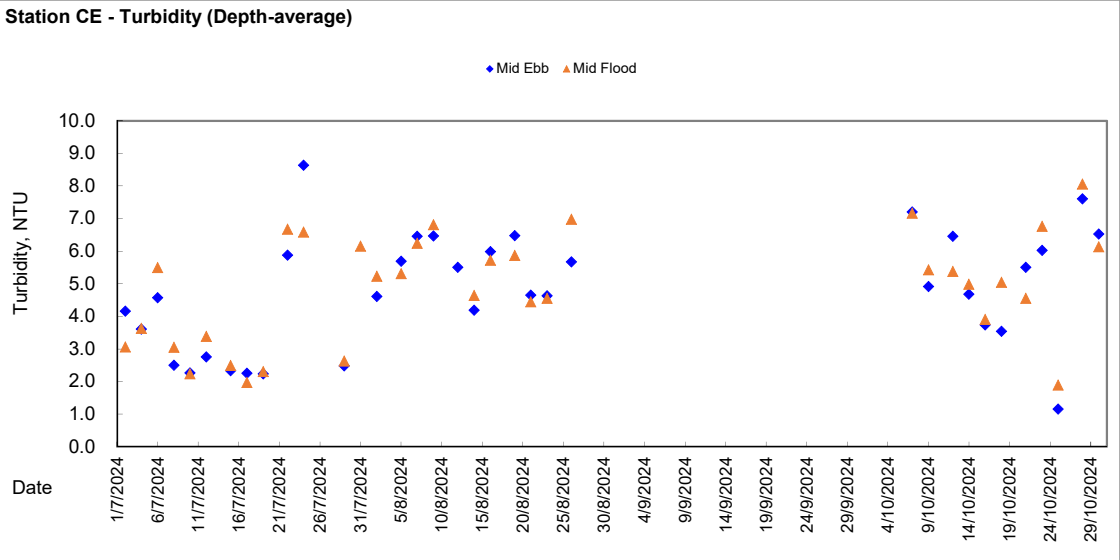
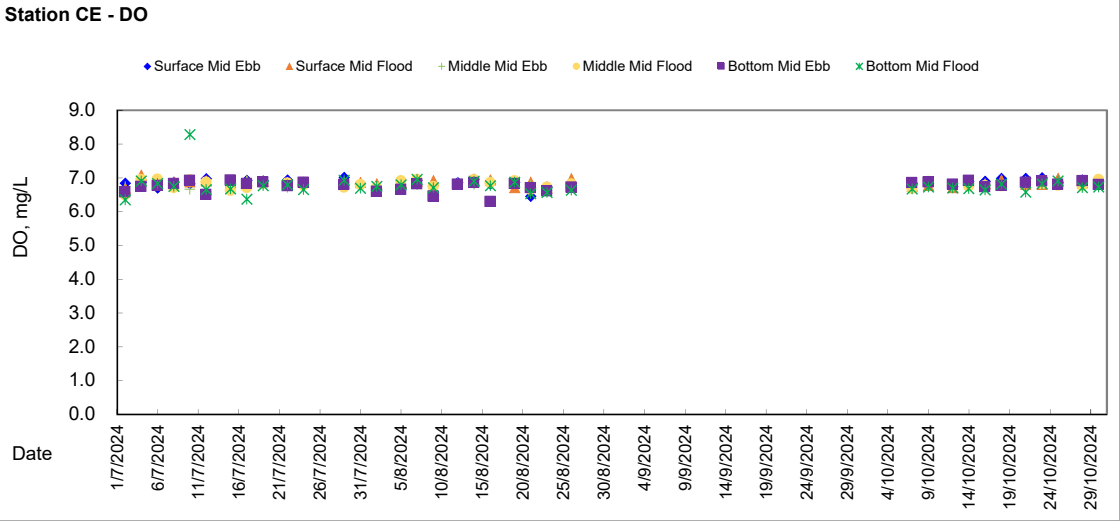


Appendix 5.2

Marine Water Quality Monitoring Graphical and Summary of Exceedance Presentations



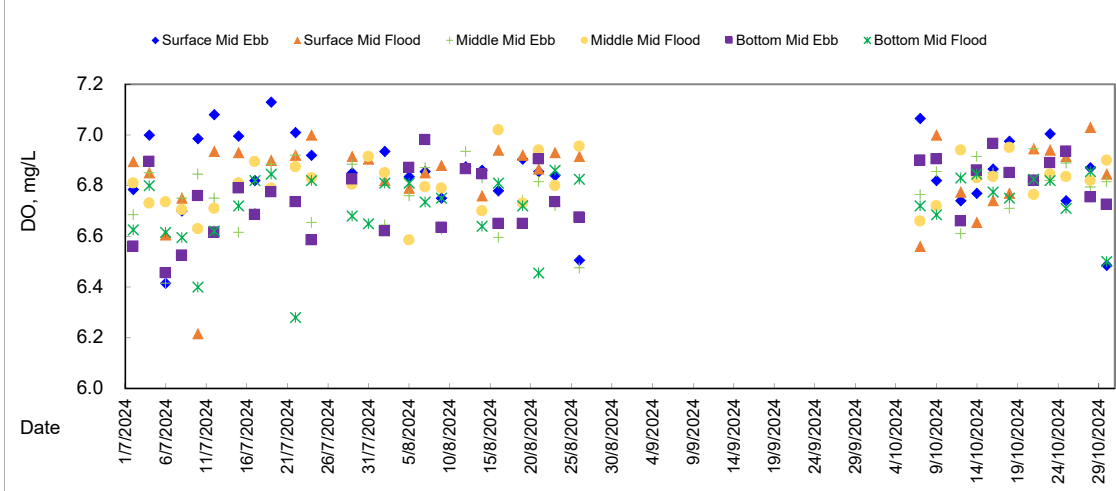
Graphic Presentation of WQM Result



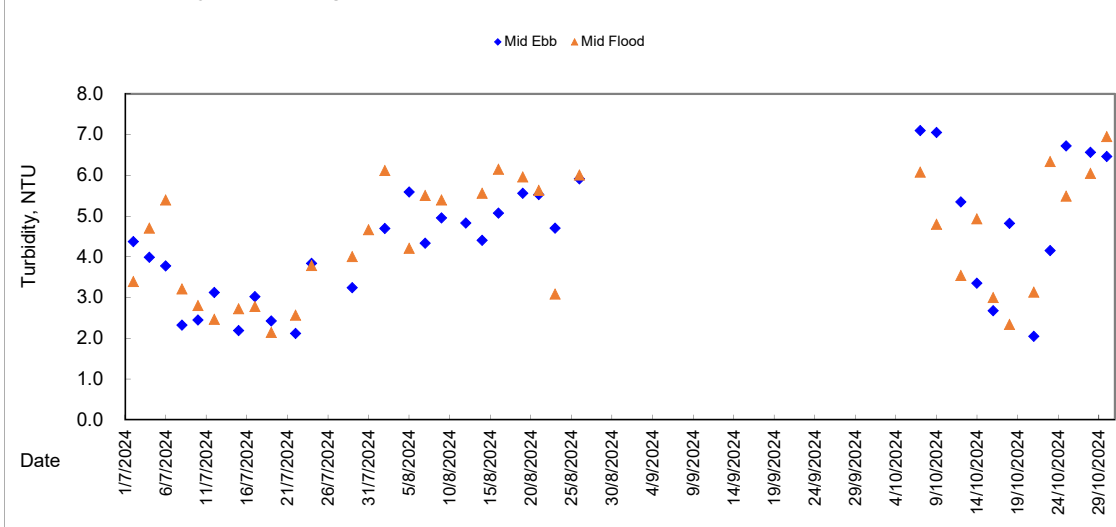


Graphic Presentation of WQM Result

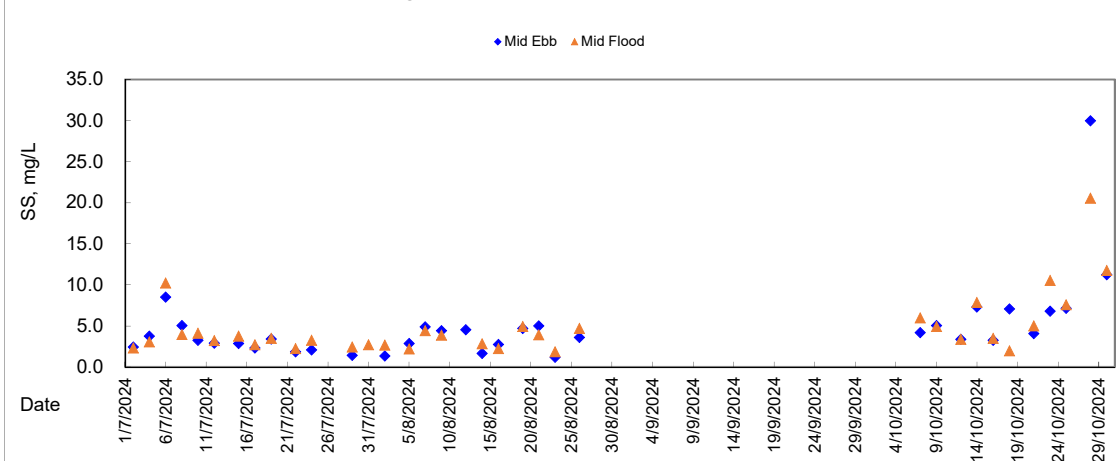
Station CF - DO



Station CF - Turbidity (Depth-average)



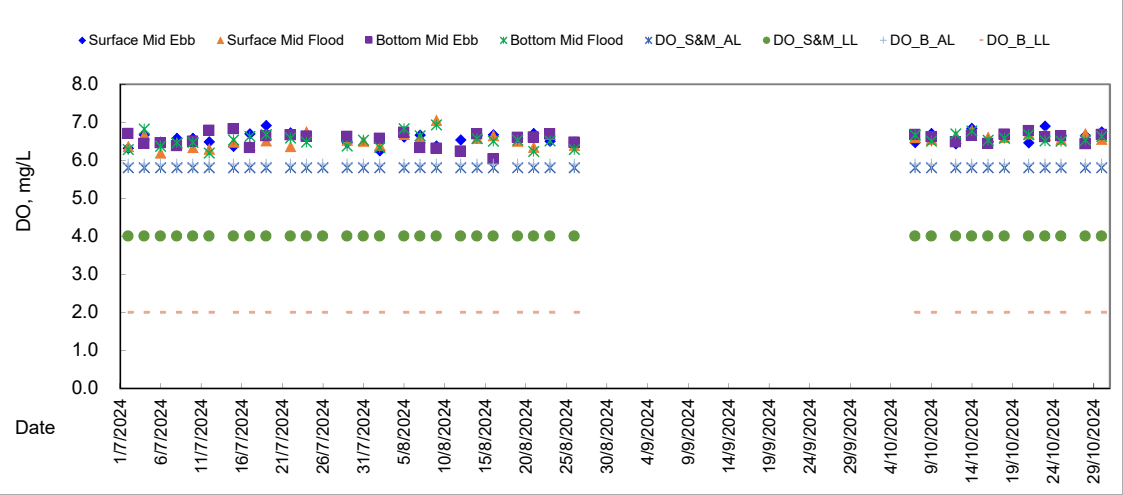
Station CF - Suspended Solid (Depth-average)



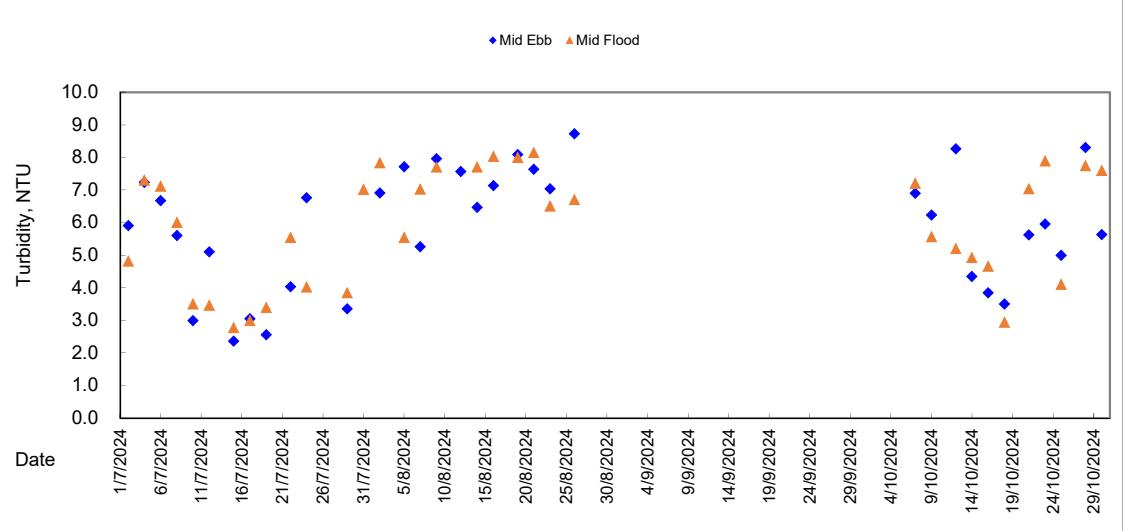


Graphic Presentation of WQM Result

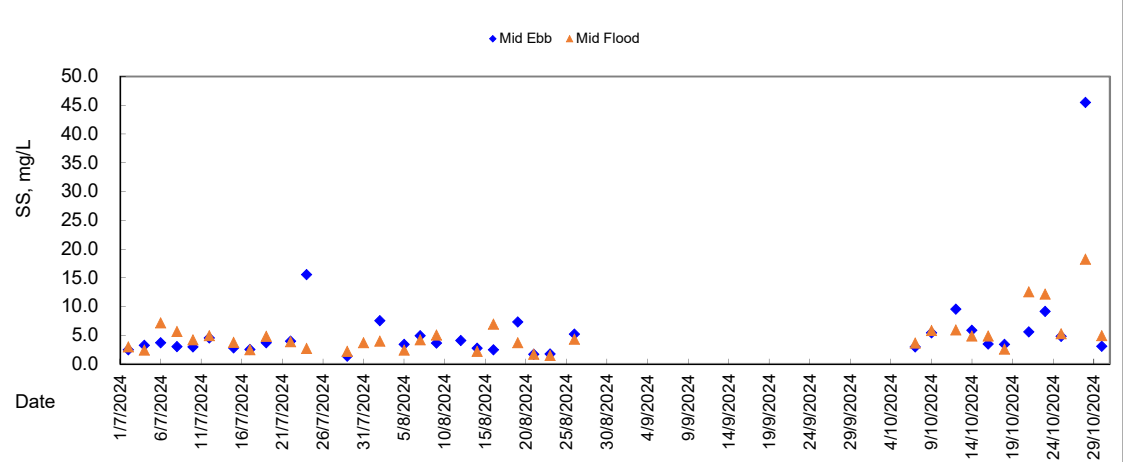
Station SR4 - DO



Station SR4 - Turbidity (Depth-average)



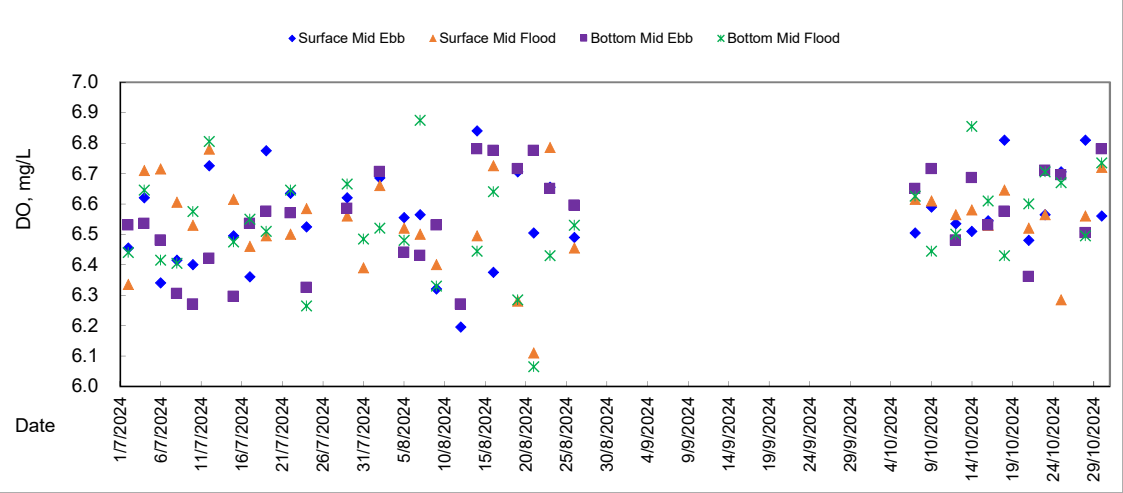
SR4- Suspended Solid (Depth-average)



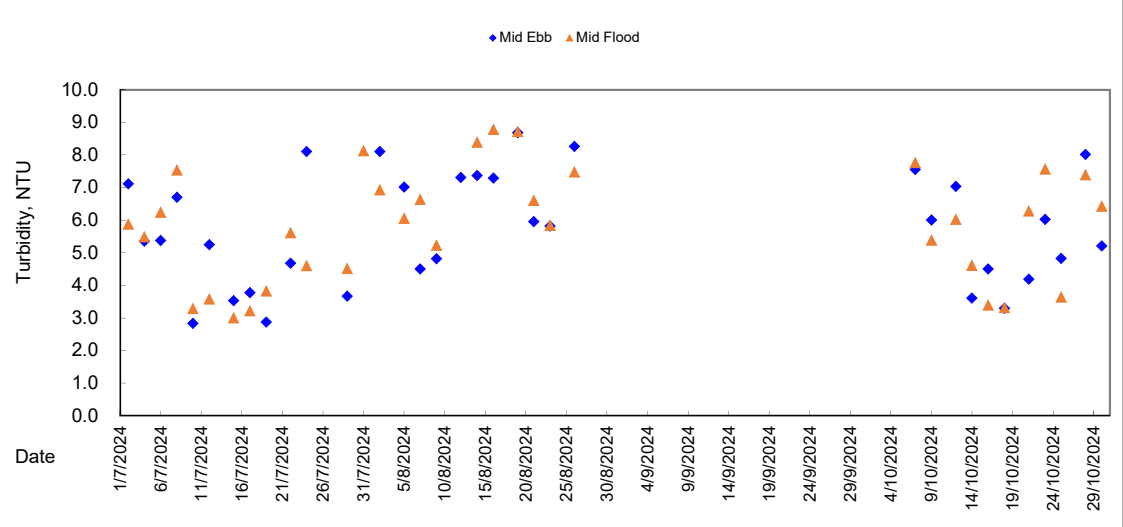


Graphic Presentation of WQM Result

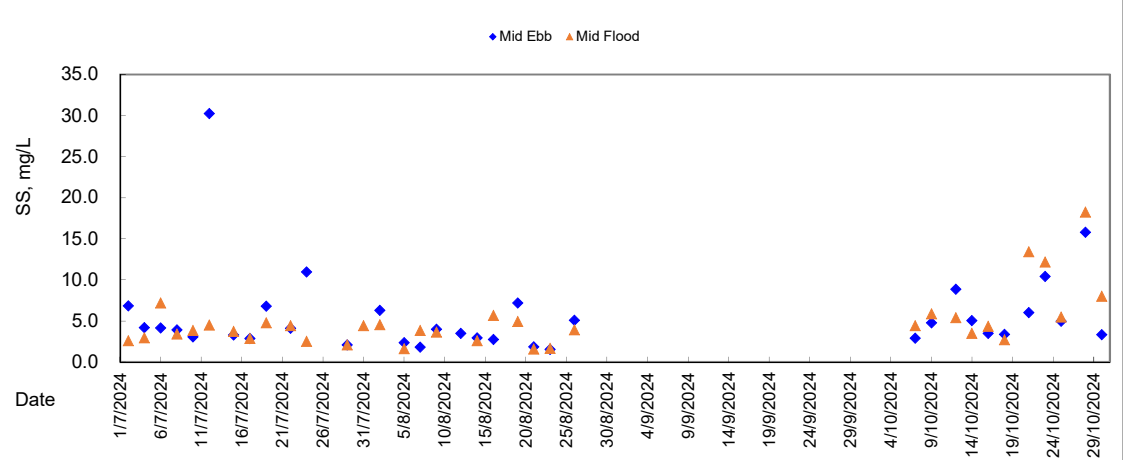
Station SR5 - DO



Station SR5 - Turbidity (Depth-average)



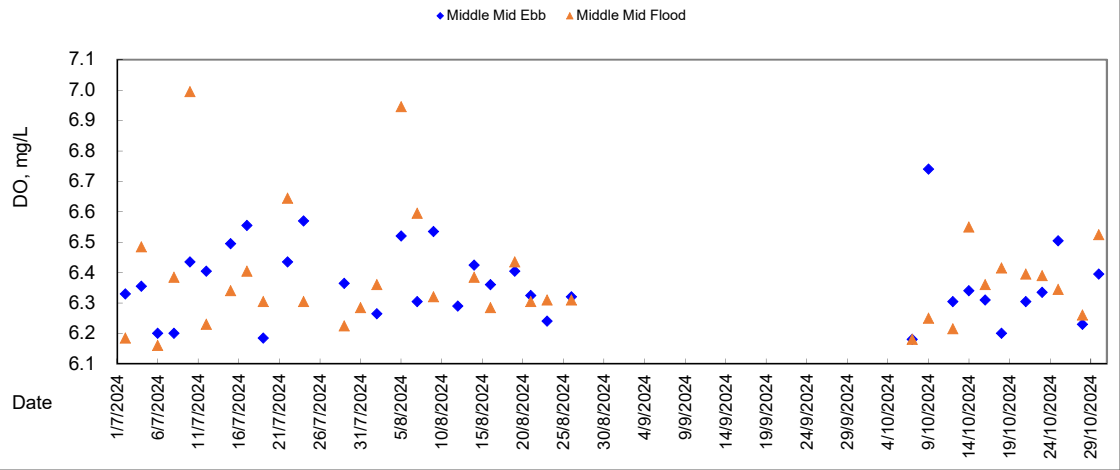
Station SR5 - Suspended Solid (Depth-average)



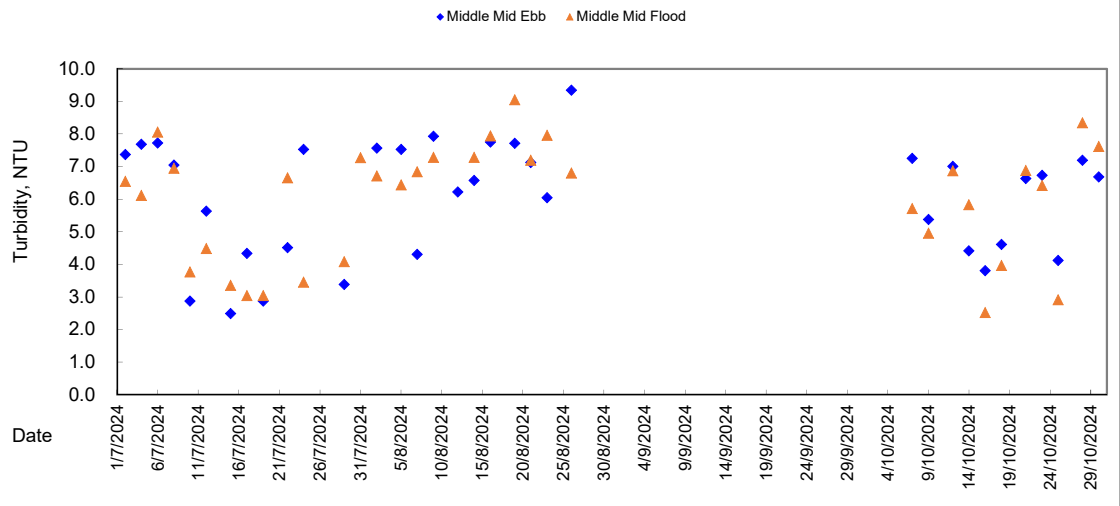


Graphic Presentation of WQM Result

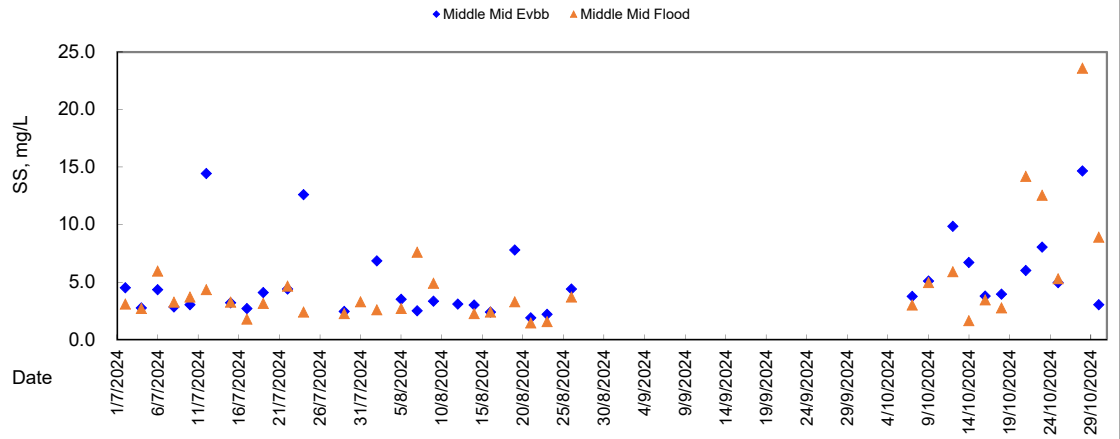
Station SR6 - DO



Station SR6 - Turbidity (Depth-average)

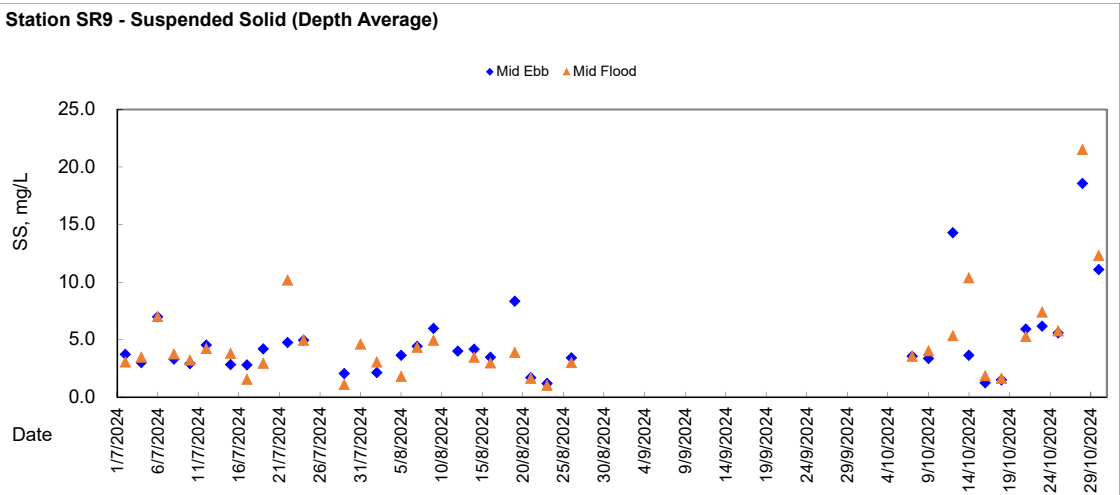
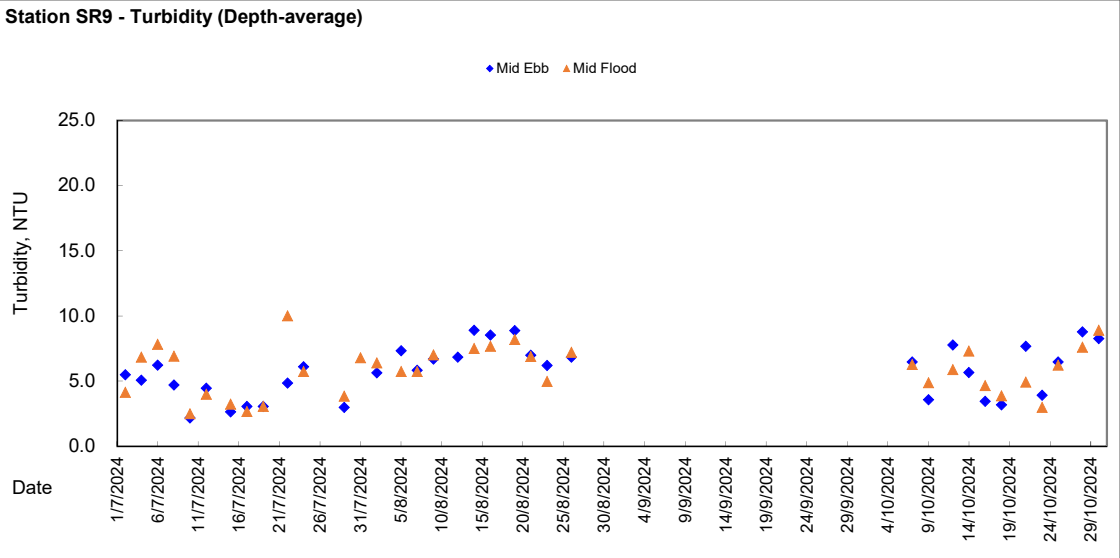
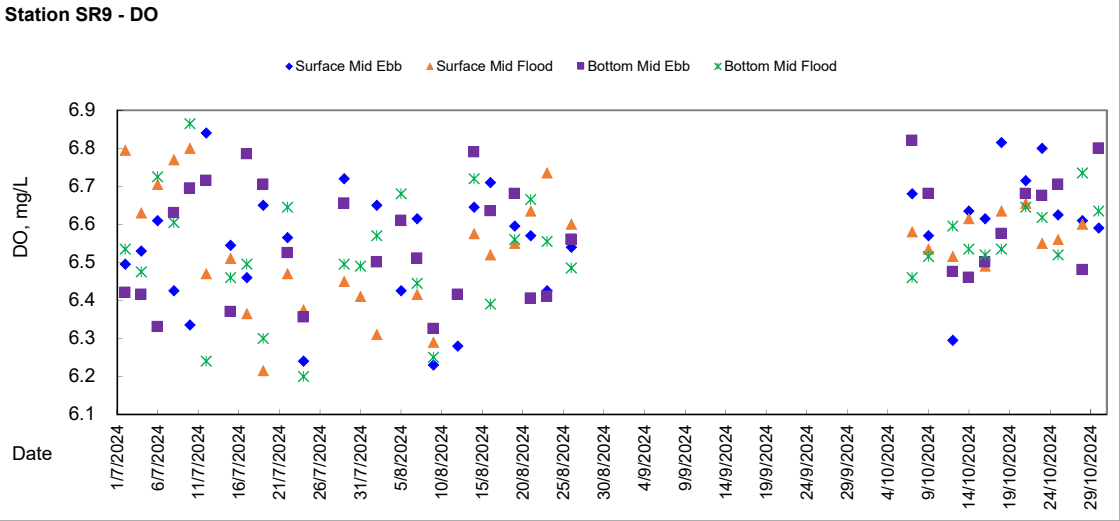


Station SR6 - Suspended Solid (Depth-average)





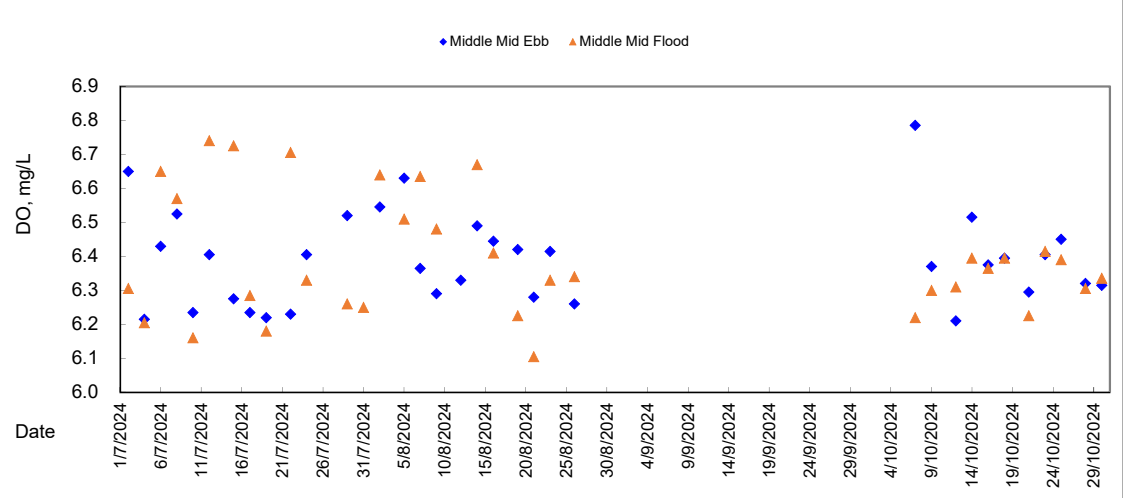
Graphic Presentation of WQM Result



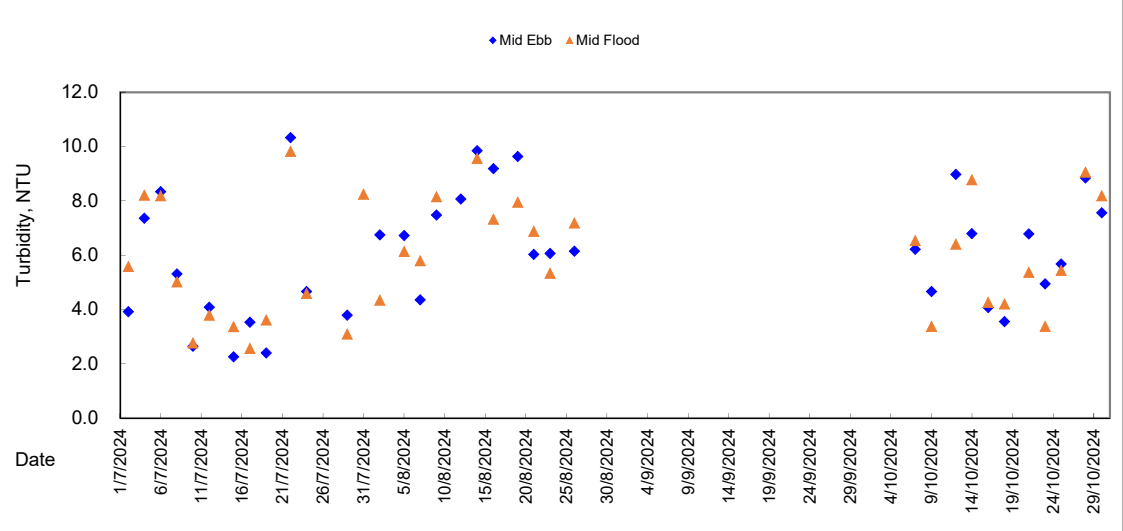


Graphic Presentation of WQM Result

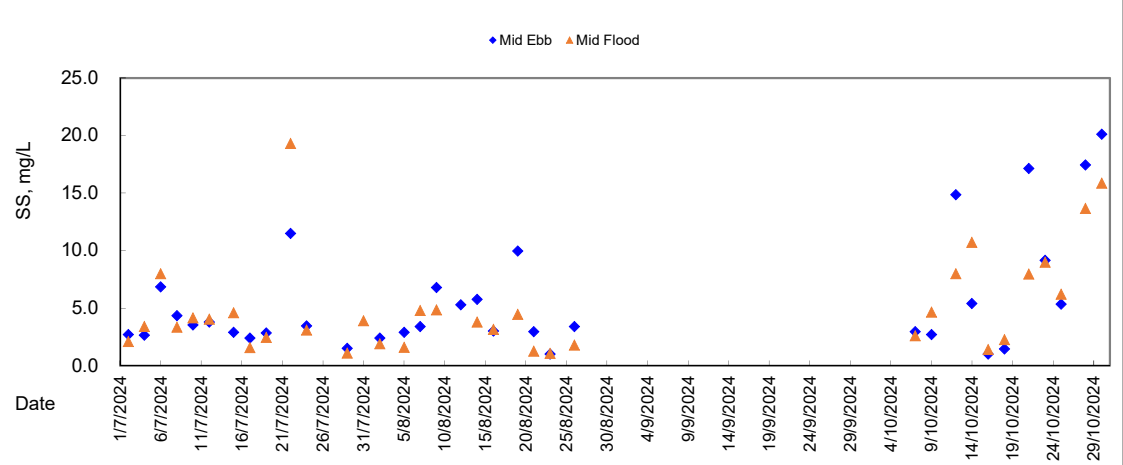
Station SR10 - DO



Station SR10 - Turbidity (Depth-average)



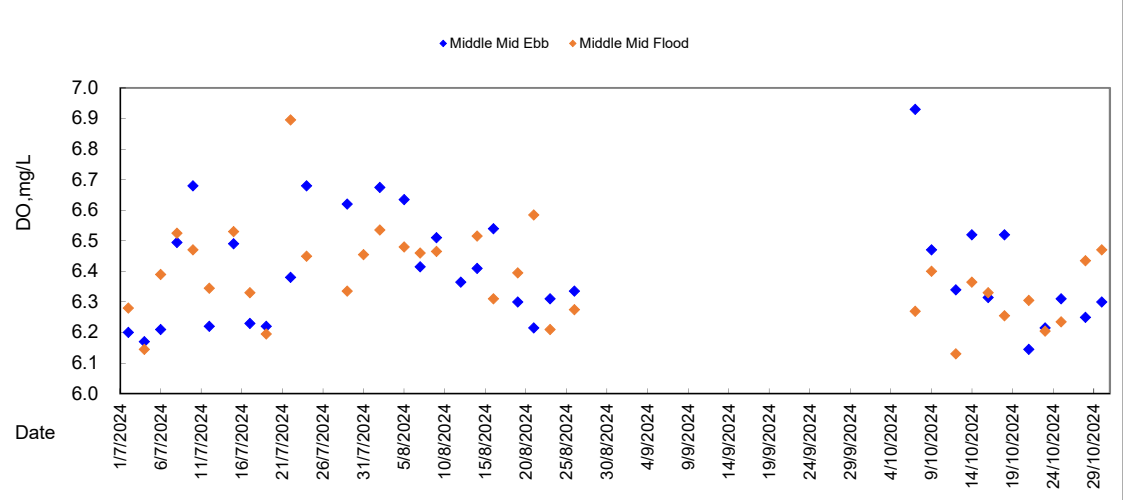
Station SR10 - Suspended Solid (Depth-average)



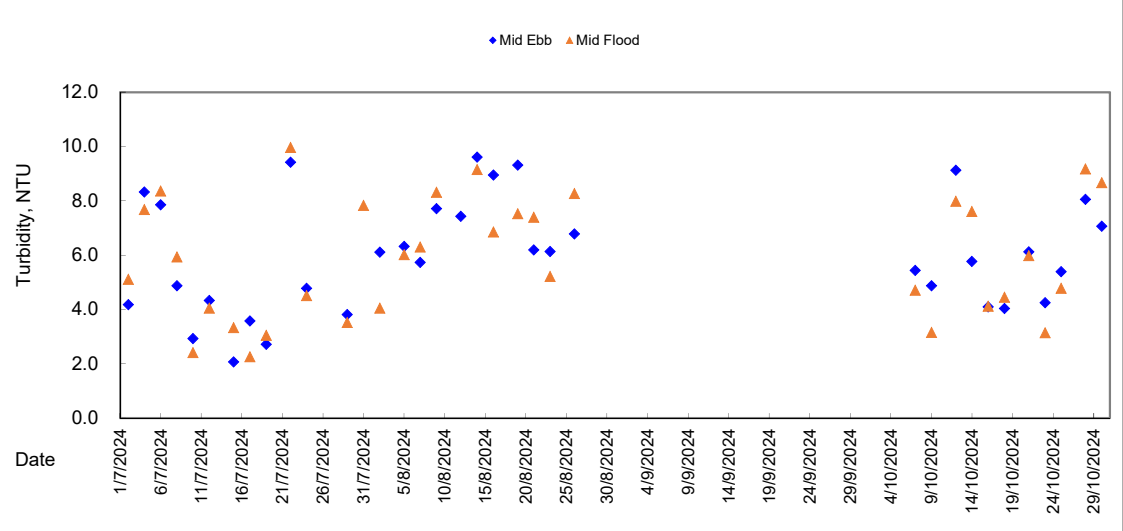


Graphic Presentation of WQM Result

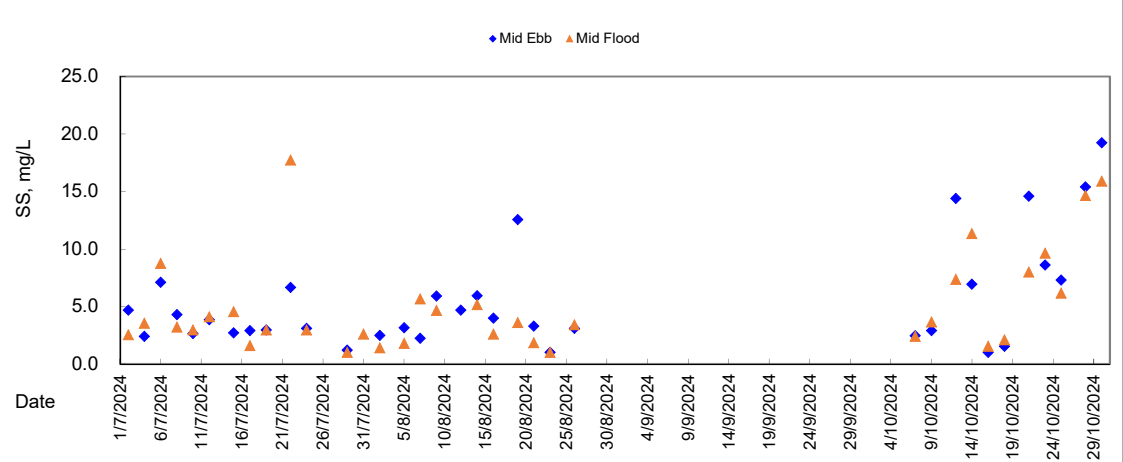
Station SR12 - DO



Station SR12 - Turbidity (Depth-average)



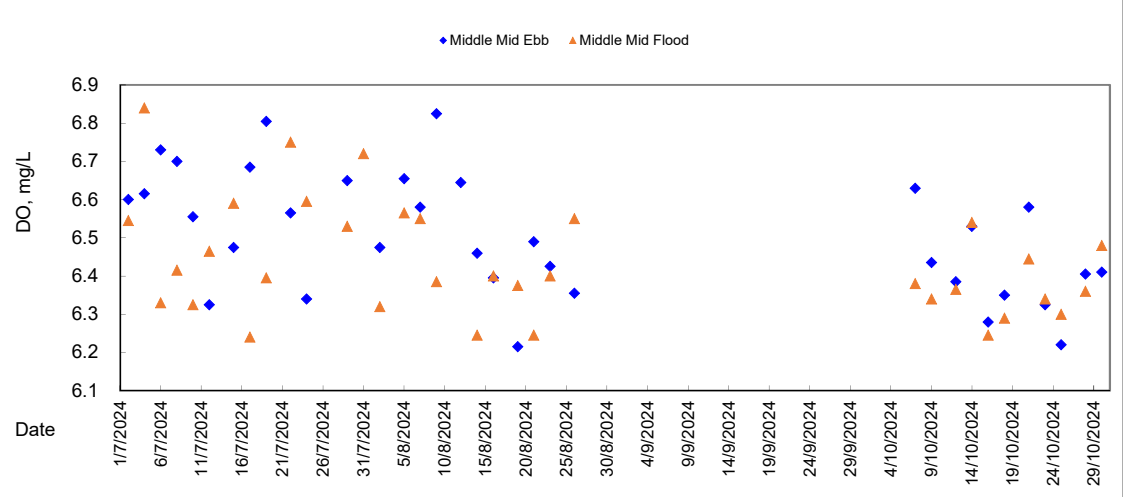
Station SR12 - Suspended Solid (Depth-average)



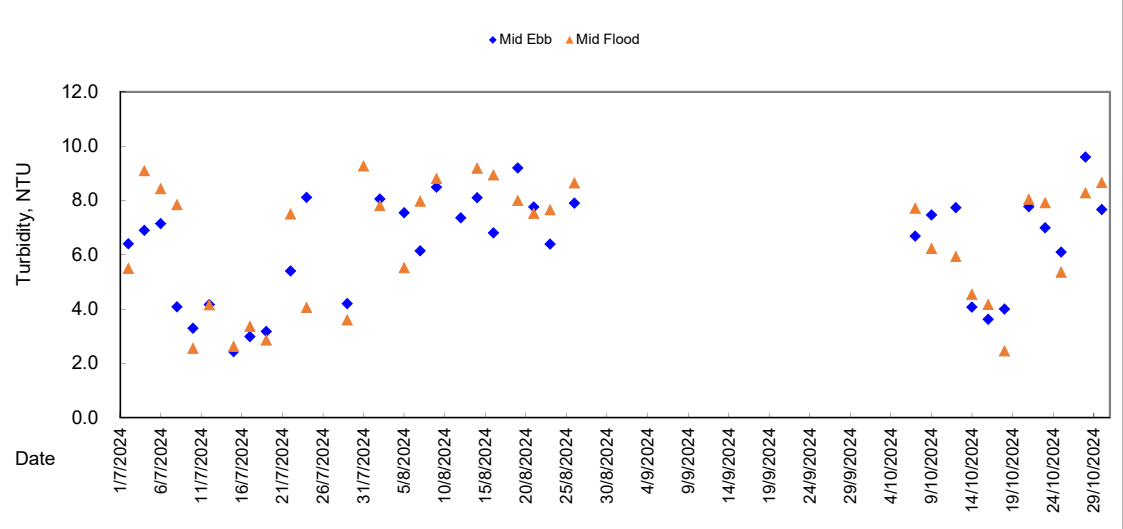


Graphic Presentation of WQM Result

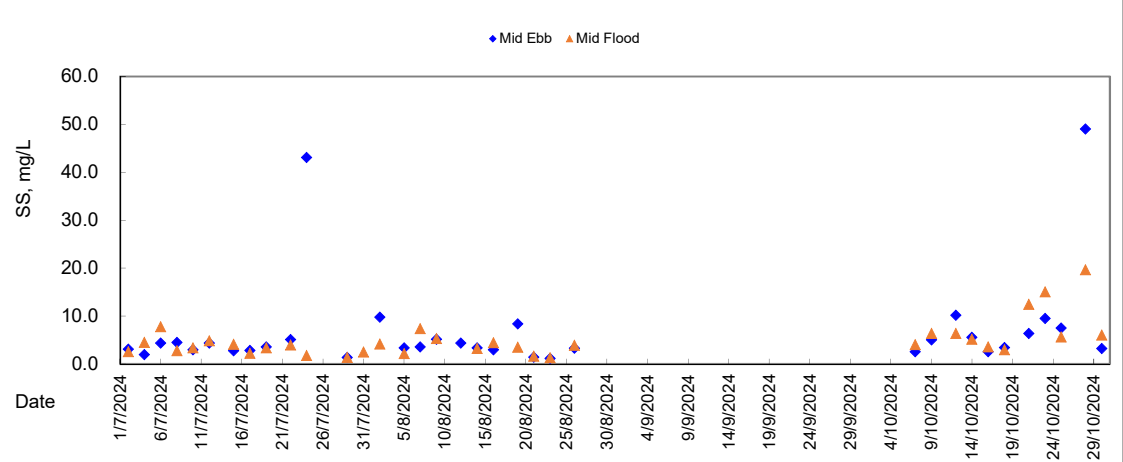
Station SR15 - DO



Station SR15 - Turbidity (Depth-average)



Station SR15 - Suspended Solid (Depth-average)





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	2/8/2024	Cloudy	10:38	3.9	1.0	28.45		6.93	6.93	23.91	23.94	88.70	88.45	6.25	6.25	5.95	6.10	2.5	4.3
			10:39	3.9	1.0	28.63		6.93		23.97		88.20		6.24		6.24		6.1	
	5/8/2024	Cloudy	13:16	3.5	1.0	27.59	27.69	6.99	6.99	22.12	22.20	91.40	91.00	6.62	6.61	6.43	8.38	4.0	3.7
			13:17	3.5	1.0	27.78		6.99		22.27		90.60		6.60		6.60		4.0	
	7/8/2024	Cloudy	14:30	3.8	1.0	29.73	29.66	7.02	7.02	28.14	28.10	98.30	97.65	6.70	6.66	5.53	5.63	6.1	4.4
			14:31	3.8	1.0	29.59		7.01		28.05		97.00		6.62		5.73		2.7	
	9/8/2024	Fine	15:22	3.6	1.0	28.59	28.48	7.09	7.09	28.94	28.84	95.70	94.75	6.43	6.38	7.25	7.38	4.0	3.7
			15:23	3.6	1.0	28.37		7.08		28.73		93.80		6.32		7.50		3.3	
	12/8/2024	Cloudy	17:11	3.5	1.0	27.42	27.57	7.11	7.11	27.02	27.07	96.40	97.00	6.50	6.54	7.02	7.15	4.0	4.0
			17:12	3.5	1.0	27.71		7.10		27.11		97.60		6.58		7.28		4.0	
	14/8/2024	Cloudy	7:53	3.8	1.0	26.70	26.77	7.09	7.10	28.15	28.29	89.80	90.00	6.62	6.65	6.74	6.59	2.8	2.6
			7:54	3.8	1.0	26.84		7.10		28.42		90.20		6.67		6.43		2.4	
	16/8/2024	Cloudy	9:31	3.7	1.0	26.04	26.16	7.11	7.11	29.27	29.41	92.40	93.15	6.58	6.67	6.55	6.45	2.2	2.2
			9:32	3.7	1.0	26.27		7.10		29.54		93.90		6.76		6.34		2.2	
	19/8/2024	Cloudy	11:53	3.9	1.0	26.11	26.20	7.08	7.08	26.93	26.83	91.80	90.50	6.60	6.58	7.22	7.40	6.2	6.2
			11:54	3.9	1.0	26.28		7.08		26.72		89.20		6.55		7.57		6.1	
	21/8/2024	Cloudy	12:36	3.7	1.0	29.05	29.15	6.89	6.89	29.84	29.83	93.60	94.70	6.67	6.71	8.01	7.92	2.4	2.1
			12:37	3.7	1.0	29.24		6.89		29.81		95.80		6.74		7.82		1.7	
	23/8/2024	Fine	15:02	3.8	1.0	27.75	27.82	6.98	6.98	22.25	22.15	88.60	89.30	6.42	6.51	7.02	7.14	2.5	2.0
			15:03	3.8	1.0	27.89		6.98		22.05		90.00		6.59		7.25		1.4	
	26/8/2024	Fine	17:20	3.9	1.0	29.51	29.41	7.28	7.29	26.67	26.47	87.70	86.15	6.52	6.48	8.97	8.81	6.2	5.7
			17:21	3.9	1.0	29.30		7.29		26.26		84.60		6.43		8.65		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

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	2/8/2024	Cloudy	15:38	3.3	1.0	29.34	29.26	6.91	6.92	28.94	28.88	88.70	89.00	6.35	6.39	7.62	7.55	4.5	3.4
			15:39	3.3	1.0	29.18		6.92		28.81		89.30		6.43		7.48		2.3	
	5/8/2024	Cloudy	7:08	3.8	1.0	27.99	27.97	6.97	6.97	25.73	25.68	90.20	90.50	6.66	6.68	5.87	5.95	2.7	2.8
			7:09	3.8	1.0	27.94		6.97		25.63		90.80		6.70		6.02		2.9	
	7/8/2024	Cloudy	7:25	3.6	1.0	27.94	28.00	6.96	6.96	29.34	29.39	89.80	90.25	6.57	6.59	7.70	7.82	4.2	4.7
			7:26	3.6	1.0	28.06		6.95		29.44		90.70		6.61		7.94		5.1	
	9/8/2024	Cloudy	8:01	3.2	1.0	27.84	27.90	7.07	7.07	28.05	28.10	98.00	98.40	7.04	7.05	8.01	8.13	5.8	5.9
			8:02	3.2	1.0	27.96		7.07		28.15		98.80		7.06		8.24		6.0	
	12/8/2024	Amber Rainstorm				WQM was cancelled due to adverse weather													
	14/8/2024	Cloudy	16:46	3.5	1.0	26.37	26.25	7.08	7.08	29.73	29.70	88.60	89.05	6.54	6.58	7.92	8.04	2.0	2.1
			16:47	3.5	1.0	26.13		7.08		29.67		89.50		6.62		8.16		2.2	
	16/8/2024	Cloudy	17:11	3.3	1.0	26.01	26.13	7.14	7.14	28.99	29.01	91.10	90.15	6.69	6.65	7.99	7.82	5.8	6.2
			17:12	3.3	1.0	26.25		7.14		29.02		89.20		6.61		7.64		6.6	
	19/8/2024	Fine	17:21	3.4	1.0	26.73	26.66	7.13	7.13	25.72	25.60	90.10	89.60	6.53	6.51	7.89	7.86	4.0	3.7
			17:22	3.4	1.0	26.58		7.12		25.47		89.10		6.48		7.82		3.4	
	21/8/2024	Cloudy	7:20	3.4	1.0	29.99	29.93	6.91	6.91	28.51	28.63	91.60	91.00	6.38	6.34	8.12	8.27	1.9	1.6
			7:21	3.4	1.0	29.87		6.91		28.74		90.40		6.30		8.42		1.3	
	23/8/2024	Fine	8:08	3.4	1.0	27.95	27.90	6.96	6.97	25.87	25.91	94.00	93.10	6.76	6.68	6.25	6.42	<1.0	1.9
			8:09	3.4	1.0	27.84		6.97		25.84		92.20		6.60		6.59		2.8	
	26/8/2024	Fine	11:27	3.5	1.0	28.22	28.17	7.24	7.24	27.57	27.62	88.60	88.40	6.42	6.40	7.02	6.95	5.9	5.2
			11:28	3.5	1.0	28.12		7.24		27.67		88.20		6.37		6.87		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 (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	2/8/2024	Cloudy	10:40	3.9	2.9	28.24	28.16	6.93	6.93	28.34	28.17	92.70	91.85	6.61	6.57	7.84	7.72	11.5	10.8
			10:41	3.9	2.9	28.07		6.93		28.05		91.00		6.53		7.59		10.1	
			13:18	3.5	2.5	27.27		6.99		22.47		93.50		6.75		7.19		3.2	
	5/8/2024	Cloudy	13:19	3.5	2.5	27.62	27.45	6.99	6.99	22.34	22.41	92.70	93.10	6.71	6.73	6.91	7.05	3.0	3.1
			14:32	3.8	2.8	29.53		7.03		27.92		91.90		6.30		5.02		6.0	
			14:33	3.8	2.8	29.42		7.02		27.83		92.40		6.35		4.76		4.9	
	7/8/2024	Cloudy	15:24	3.5	2.5	28.25	28.19	7.09	7.09	29.83	29.80	92.60	93.45	6.25	6.31	8.97	8.55	4.0	3.6
			15:25	3.6	2.6	28.13		7.09		29.77		94.30		6.36		8.12		3.2	
			17:13	3.5	2.5	27.29		7.11	7.11	27.29	27.38	90.70	90.25	6.26	6.24	7.98	8.00	4.4	4.2
	12/8/2024	Cloudy	17:14	3.5	2.5	27.54		7.10		27.46		89.80		6.21		8.01		4.0	
			7:55	3.8	2.8	27.02	26.96	7.09	7.09	28.37	28.26	91.00	90.30	6.72	6.69	6.21	6.35	3.3	3.0
	14/8/2024	Cloudy	7:56	3.8	2.8	26.90		7.09		28.14		89.60		6.66		6.49		2.6	
			9:33	3.9	2.7	25.64		7.13	7.13	29.99	29.89	81.60	82.55	5.99	6.03	7.73	7.84	1.7	2.7
	16/8/2024	Cloudy	9:34	3.7	2.7	25.89		7.12		29.79		83.50		6.07		7.94		3.7	
			11:35	3.9	2.9	26.02	26.00	7.08	7.09	27.81	27.93	89.90	90.25	6.57	6.60	8.95	8.78	8.4	8.5
	19/8/2024	Cloudy	11:36	3.9	2.9	25.98		7.09		28.05		90.60		6.62		8.60		8.6	
			12:38	3.7	2.7	28.98		6.87	6.88	29.63	29.68	92.80	93.20	6.54	6.60	7.19	7.36	1.5	1.4
	21/8/2024	Cloudy	12:39	3.7	2.7	28.97		6.89		29.73		93.60		6.66		7.53		1.2	
			15:04	3.8	2.8	28.05	28.10	6.97	6.98	22.69	22.77	94.20	94.10	6.69	6.69	7.09	6.94	1.4	1.5
	23/8/2024	Fine	15:05	3.8	2.8	28.14		6.98		22.84		94.00		6.68		6.79		1.6	
			17:22	3.9	2.9	28.84		7.28	7.28	27.13	27.05	87.00	86.75	6.48	6.47	8.84	8.65	5.2	4.7
	26/8/2024	Fine	17:23	3.9	2.9	28.94		7.28		26.97		86.50		6.45		8.45		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.



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	2/8/2024	Cloudy	15:40	3.3	2.3	28.65	28.75	6.92	6.92	29.77	29.80	85.60	85.40	6.34	6.34	8.23	8.13	6.0	4.5	
			15:41	3.3	2.3	28.85		6.92		29.83		85.20		6.33		8.02		3.0		
			7:10	3.8	2.8	27.96		6.97		25.72		93.90		6.79		5.24		1.8		
	5/8/2024	Cloudy	7:11	3.8	2.8	27.98	27.97	6.97	6.97	25.75	25.78	94.25	94.60	6.84	6.84	5.15	5.18	2.0	2.0	
			7:27	3.6	2.6	27.54		6.96		30.73		91.80		6.65		6.10		4.2		
			7:28	3.6	2.6	27.40		6.97		30.64		91.60		6.64		6.65		6.37		3.3
	9/8/2024	Cloudy	8:03	3.2	2.2	27.89	27.89	7.08	7.08	28.81	28.88	97.90	97.55	6.95	6.94	7.19	7.28	4.2	4.2	
			8:04	3.2	2.2	27.89		7.07		28.95		97.20		6.92		7.37		4.1		
			WQM was cancelled due to adverse weather																	
	12/8/2024	Amber Rainstorm																		
	14/8/2024	Cloudy	16:48	3.5	2.5	26.57	26.48	7.09	7.09	30.73	30.66	88.80	89.50	6.55	6.57	7.56	7.38	2.2	2.3	
			16:49	3.5	2.5	26.38		7.09		30.59		90.20		6.59		7.19		2.4		
			17:13	3.3	2.3	26.39		7.13		28.73		89.40		6.45		6.51		8.35		7.2
	16/8/2024	Cloudy	17:14	3.3	2.3	26.48	26.44	7.13	7.13	28.90	28.82	91.00	90.20	6.56	6.53	8.12	8.24	8.2	7.7	
			17:23	3.4	2.4	26.47		7.14		27.05		89.20		6.45		6.53		8.25		3.1
			17:24	3.4	2.4	26.39		7.13		27.24		91.30		6.60		8.02		4.2		
	19/8/2024	Fine	7:22	3.4	2.4	29.54	29.64	6.90	6.91	29.05	29.26	89.20	88.95	6.26	6.23	8.11	8.03	2.0	1.8	
			7:23	3.4	2.4	29.73		6.91		29.47		88.70		6.20		7.95		1.5		
			8:10	3.4	2.4	27.95		27.86		6.96		6.96		26.02		25.96		90.70		90.40
	23/8/2024	Fine	8:11	3.4	2.4	27.76	6.96		25.90	90.10	6.50		6.45	<1.0						
			11:29	3.5	2.5	27.94	7.24		7.24	27.40	27.46		85.60	86.40	6.26		6.28	6.37	6.47	
			11:30	3.5	2.5	28.01	7.24	27.52		87.20		6.30	6.57		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 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
SR5	2/8/2024	Cloudy	10:47	4.3	1.0	28.59	28.66	6.92	6.92	23.52	23.58	92.90	92.60	6.70	6.69	6.91	7.08	3.6	4.7
			10:48	4.3	1.0	28.73		6.92		23.64		92.30		6.67		7.25		5.8	
	5/8/2024	Cloudy	13:07	3.6	1.0	27.59	27.66	6.98	6.99	22.19	22.24	87.40	88.70	6.49	6.56	6.88	6.91	3.2	3.1
			13:08	3.6	1.0	27.72		6.99		22.28		90.00		6.62		6.94		3.0	
	7/8/2024	Cloudy	14:19	4.4	1.0	29.79	29.75	7.03	7.03	27.67	27.81	98.00	97.45	6.61	6.57	4.13	4.40	1.0	1.3
			14:20	4.4	1.0	29.70		7.03		27.94		96.90		6.52		4.67		1.6	
	9/8/2024	Fine	17:01	3.9	1.0	28.73	28.69	7.09	7.09	28.59	28.62	95.60	94.55	6.38	6.32	4.37	4.29	4.6	4.2
			15:12	4.2	1.0	28.64		7.08		28.64		93.50		6.26		4.21		3.8	
	12/8/2024	Cloudy	17:01	3.9	1.0	27.11	27.19	7.10	7.10	27.73	27.66	89.00	88.55	6.23	6.20	7.54	7.55	3.4	3.4
			17:02	3.9	1.0	27.27		7.10		27.59		88.10		6.16		7.56		3.3	
	14/8/2024	Cloudy	8:03	4.0	1.0	26.73	26.77	7.08	7.09	28.12	28.04	93.20	92.30	6.89	6.84	7.13	7.09	3.2	3.3
			8:04	4.0	1.0	26.81		7.09		27.96		91.40		6.79		7.04		3.3	
	16/8/2024	Cloudy	9:42	4.2	1.0	25.97	25.81	7.11	7.11	29.36	29.26	85.00	85.80	6.36	6.38	7.40	7.35	2.5	3.1
			9:43	3.9	1.0	25.64		7.11		29.16		86.60		6.39		7.29		3.7	
	19/8/2024	Cloudy	11:43	4.2	1.0	26.13	26.08	7.09	7.09	27.51	27.39	92.30	91.75	6.77	6.71	7.57	7.76	6.5	6.5
			11:44	4.2	1.0	26.02		7.09		27.27		91.20		6.64		7.95		6.4	
	21/8/2024	Cloudy	12:26	4.0	1.0	29.54	29.46	6.99	6.98	26.02	26.00	92.70	93.05	6.48	6.51	6.02	6.14	2.0	2.1
			12:27	4.0	1.0	29.37		6.97		25.98		93.40		6.53		6.25		2.2	
	23/8/2024	Fine	14:54	4.1	1.0	27.84	27.79	6.98	6.98	22.64	22.69	91.20	91.85	6.61	6.66	5.39	5.52	1.4	1.5
			14:55	4.1	1.0	27.73		6.98		22.73		92.50		6.70		5.64		1.6	
	26/8/2024	Fine	17:11	4.1	1.0	29.63	29.54	7.26	7.26	26.73	26.64	85.50	86.00	6.41	6.49	7.94	7.86	5.5	4.6
			17:12	4.1	1.0	29.44		7.26		26.54		86.50		6.57		7.78		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 (surface) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR5	2/8/2024	Cloudy	15:27	3.8	1.0	29.43	29.39	6.92	6.93	24.95	24.97	94.70	94.25	6.70	6.66	6.21	6.32	2.4	4.0
			15:28	3.8	1.0	29.35		6.93		24.99		93.80		6.62		6.43		5.6	
	5/8/2024	Cloudy	7:18	4.2	1.0	28.24	28.12	6.96	6.96	25.45	25.40	92.80	92.40	6.58	6.52	6.04	5.99	1.8	1.9
			7:19	4.2	1.0	28.00		6.96		25.34		92.00		6.46		5.93		2.0	
	7/8/2024	Cloudy	7:35	4.0	1.0	28.07	28.16	6.98	6.98	28.93	28.99	89.40	89.80	6.48	6.50	6.85	6.86	3.0	3.5
			7:36	4.0	1.0	28.24		6.97		29.04		90.20		6.52		6.87		3.9	
	9/8/2024	Cloudy	8:10	3.9	1.0	28.04	27.97	7.08	7.09	28.57	28.65	89.90	89.75	6.41	6.40	5.43	5.37	4.1	4.5
			8:11	3.9	1.0	27.89		7.09		28.73		89.60		6.39		5.30		4.9	
	12/8/2024	Amber Rainstorm				WQM was cancelled due to adverse weather													
	14/8/2024	Cloudy	16:36	3.7	1.0	26.25	26.31	7.08	7.09	29.97	30.05	87.90	88.25	6.44	6.50	7.56	7.59	2.0	2.0
			16:37	3.7	1.0	26.37		7.09		30.13		88.60		6.55		7.61		2.0	
	16/8/2024	Cloudy	17:01	3.4	1.0	26.58	26.66	7.14	7.14	28.57	28.41	89.60	89.05	6.78	6.73	8.25	8.52	8.6	7.5
			17:02	3.4	1.0	26.73		7.14		28.25		88.50		6.67		8.78		6.3	
	19/8/2024	Fine	17:11	3.7	1.0	26.95	26.91	7.12	7.13	25.39	25.54	86.40	86.80	6.27	6.28	8.83	8.91	4.7	5.3
			17:12	3.7	1.0	26.87		7.13		25.69		87.20		6.29		8.99		5.8	
	21/8/2024	Cloudy	7:30	3.7	1.0	29.25	29.15	6.89	6.89	26.87	26.93	86.80	86.35	6.13	6.11	6.84	6.91	1.3	1.2
			7:31	3.7	1.0	29.05		6.89		26.99		85.90		6.09		6.98		1.0	
	23/8/2024	Fine	8:20	3.8	1.0	28.25	28.20	6.98	6.98	25.73	25.64	94.60	95.50	6.72	6.79	5.93	6.09	<1.0	2.3
			8:21	3.8	1.0	28.14		6.97		25.54		96.40		6.85		6.25		3.6	
	26/8/2024	Fine	11:37	3.8	1.0	28.19	28.14	7.25	7.25	27.86	27.92	89.20	89.35	6.46	6.46	7.62	7.43	3.6	3.5
			11:38	3.8	1.0	28.09		7.24		27.98		89.50		6.46		7.23		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 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	2/8/2024	Cloudy	10:50	4.3	3.3	28.43	28.36	6.92	6.93	28.73	28.63	93.00	92.40	6.75	6.71	9.24	9.14	13.0	7.9
			10:51	4.3	3.3	28.28		6.93		28.52		91.80		6.66		9.03		2.6	
			13:09	3.6	2.6	27.56		6.99		22.72		86.90		6.42		7.25		1.8	
	5/8/2024	Cloudy	13:10	3.6	2.6	27.42	27.49	6.98	6.99	22.54	22.63	87.20	87.00	6.46	6.44	7.00	7.13	1.4	1.6
			14:22	4.4	3.4	29.74		7.02		28.04		93.40		6.40		4.74		2.1	
			14:23	4.4	3.4	29.63		7.03		27.95		94.30		6.46		4.48		2.6	
	7/8/2024	Cloudy	15:14	4.2	3.2	28.84	28.90	7.08	7.09	28.73	28.80	97.40	97.80	6.51	6.53	5.20	5.35	4.1	3.8
			15:15	4.2	3.2	28.95		7.09		28.86		98.20		6.55		5.49		3.4	
			17:03	3.9	2.9	27.76		7.11	7.11	27.89	27.94	90.20	90.80	6.24	6.27	7.11	7.07	3.9	3.6
	12/8/2024	Cloudy	17:04	3.9	2.9	27.94		7.11		27.98		91.40		6.30		7.02		3.3	
			8:06	4.0	3.0	26.98	26.88	7.09		28.73	28.69	91.00	91.25	6.76	6.78	7.54	7.67	3.1	2.7
	14/8/2024	Cloudy	8:07	4.0	2.9	26.77		7.09		28.65		91.50		6.80		7.79		2.2	
			9:44	4.2	2.9	26.37		7.11	7.11	29.85	29.86	94.80	94.40	6.81	6.78	7.10	7.25	2.5	2.4
	16/8/2024	Cloudy	9:45	3.9	2.9	26.10		7.11		29.87		94.00		6.74		7.39		2.3	
			11:46	4.2	3.2	25.87	25.98	7.09	7.09	28.09	28.11	92.50	91.55	6.76	6.72	9.73	9.62	7.3	7.9
	19/8/2024	Cloudy	11:47	4.2	3.2	26.09		7.09		28.13		90.60		6.67		9.51		4.5	
			12:29	4.0	3.0	28.53		6.90		28.53		96.00		6.75		5.98		2.0	
	21/8/2024	Cloudy	12:30	4.0	3.0	28.87	28.70	6.89	6.90	28.67	28.82	97.20	96.60	6.80	6.78	5.57	5.78	1.2	1.6
			14:57	4.1	3.1	27.98		6.98		23.05		91.00		6.60		6.25		1.3	
	23/8/2024	Fine	14:58	4.1	3.1	27.95		6.99		22.99		93.00		6.70		6.01		1.8	
	26/8/2024	Fine	17:14	4.1	3.1	28.92	29.02	7.26	7.27	26.84	26.93	87.20	88.20	6.56	6.60	8.62	8.68	7.0	5.5
			17:15	4.1	3.1	29.11		7.27		27.02		89.20		6.63		8.73		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

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	2/8/2024	Cloudy	15:29	3.8	2.8	28.62	28.68	6.93	6.93	29.44	29.51	92.20	92.90	6.48	6.52	7.59	7.54	4.6	5.1
			15:30	3.8	2.8	28.74		6.93		29.57		93.60		6.56		7.48		5.5	
			7:21	4.2	3.2	28.44		6.97		21.22		88.00		6.42		6.02		1.2	
	5/8/2024	Cloudy	7:22	4.2	3.2	28.14	28.29	6.96	6.97	21.43	21.33	88.90	88.45	6.54	6.48	6.25	6.14	1.4	1.3
			7:38	4.0	3.0	27.64		6.97		30.45		95.60		6.87		6.33		3.4	
			7:39	4.0	3.0	27.54		6.98		30.31		95.80		6.88		6.49		5.0	
	7/8/2024	Cloudy	8:12	3.9	2.9	27.94	27.98	7.08	7.08	28.94	28.77	88.20	88.10	6.33	6.33	5.00	5.10	5.6	2.8
			8:13	3.9	2.9	28.01		7.08		28.60		88.00		6.33		5.19		-	
	12/8/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
	14/8/2024	Cloudy	16:38	3.7	2.7	26.12	26.22	7.08	7.08	31.45	31.37	86.90	87.75	6.40	6.45	9.37	9.20	2.4	3.2
			16:39	3.7	2.7	26.31		7.08		31.29		88.60		6.49		9.02		4.0	
			17:03	3.4	2.4	26.73		7.13		29.02		85.10		6.59		9.17		3.0	
	16/8/2024	Cloudy	17:04	3.4	2.4	26.55	26.64	7.13	7.13	28.83	28.93	86.40	85.75	6.69	6.64	8.95	9.06	4.7	3.9
	17:13		3.7	2.7	26.60	7.12		25.85		86.10		86.55		6.25		6.29		8.73	
	19/8/2024	Fine	17:14	3.7	2.7	26.37	26.49	7.13	7.13	26.13	25.99	87.00	86.55	6.32	6.27	8.33	8.33	5.0	4.6
	7:32		3.7	2.7	28.95	6.90		28.45		28.59		84.50		84.65		6.06		6.09	
21/8/2024	Cloudy	7:33	3.7	2.7	28.73	28.84	6.90	6.90	28.73	28.80	84.80	84.65	6.07	6.02	6.02	6.02	1.8	2.0	
8:22		3.8	2.8	28.67	6.97		21.73		91.20		90.90		6.46		6.43		5.73		5.58
23/8/2024	Fine	8:23	3.8	2.8	28.44	28.56	6.97	6.97	21.54	21.64	90.60	90.40	6.40	6.40	5.43	5.43	<1.0	1.0	
11:39		3.8	2.8	28.17	7.25		27.50		90.10		90.15		6.53		6.53		7.48		7.54
26/8/2024	Fine	11:40	3.8	2.8	28.15	28.16	7.25	7.25	28.01	27.76	90.20	90.15	6.53	6.53	7.59	7.59	4.4	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
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR6	2/8/2024	Cloudy	10:57	2.7	1.4	28.68	28.82	6.92	6.92	23.80	23.87	88.70	88.25	6.28	6.27	7.32	7.57	11.2	6.9
			10:58	2.7	1.4	28.95		6.91		23.94		87.80		6.25		7.81		2.5	
			12:56	2.4	1.2	27.54		6.98		22.09		89.20		6.59		7.25		3.7	
	5/8/2024	Cloudy	12:57	2.4	1.2	27.61	27.58	6.99	6.99	22.34	22.22	87.80	88.50	6.45	6.52	7.81	7.53	3.3	3.5
			14:08	2.8	1.4	29.93		7.03		27.80		95.60		6.38		4.59		2.6	
			14:09	2.8	1.4	30.14		7.03		27.99		93.50		6.23		4.02		2.4	
	7/8/2024	Cloudy	14:09	2.8	1.4	29.93	30.04	7.03	7.03	27.80	27.90	95.60	94.55	6.38	6.31	4.59	4.31	2.6	2.5
			15:01	2.7	1.4	28.99		7.09		28.73		96.50		6.57		7.84		3.5	
			15:01	2.7	1.4	28.90		7.09		28.58		94.80		6.50		8.03		3.2	
	9/8/2024	Fine	15:00	2.7	1.4	28.99	28.95	7.09	7.09	28.73	28.66	96.50	95.65	6.57	6.54	7.84	7.94	3.5	3.4
			15:01	2.7	1.4	28.90		7.09		28.58		94.80		6.50		8.03		3.2	
			16:50	2.6	1.3	27.99		7.10		27.01		90.60	91.15	6.26	6.29	6.11	6.23	3.2	
	12/8/2024	Cloudy	16:51	2.6	1.3	27.77	27.88	7.10	7.10	27.07	27.04	91.70		6.32		6.34		3.0	3.1
			8:14	2.5	1.3	27.02		7.10		28.31		86.60	86.70	6.42	6.43	6.25	6.58	2.7	
			8:15	2.5	1.4	27.15		7.10		28.45		86.80		6.43		6.90		3.3	
	14/8/2024	Cloudy	8:15	2.5	1.4	27.15	27.09	7.10	7.10	28.31	28.38	86.60	86.70	6.42	6.43	6.25	6.58	2.7	3.0
			9:52	2.7	1.4	26.17		7.12	7.12	30.25		90.60	90.90	6.33	6.36	8.00	7.75	2.4	
			9:53	2.7	1.4	25.69		7.12		30.01		91.20		6.39		7.50		2.4	
	16/8/2024	Cloudy	9:53	2.7	1.4	25.69	25.93	7.12		30.01		91.20		6.39		7.50		2.4	
			11:52	2.7	1.4	26.02		7.10	7.10	27.22	27.29	89.20	88.30	6.47	6.41	7.61	7.72	7.3	7.8
			11:53	2.7	1.4	25.97		7.10		27.36		87.40		6.34		7.82		6.3	
	19/8/2024	Cloudy	12:15	2.8	1.4	29.25	29.13	6.87		25.13	25.04	88.60	89.20	6.26	6.33	7.00	7.13	1.9	
			12:16	2.8	1.4	29.01		6.87		24.95		89.20		6.39		7.25		1.9	
			14:45	2.7	1.4	27.19		6.99	6.99	22.19	22.12	84.90	85.45	6.22	6.24	5.89	6.05	2.2	2.2
	23/8/2024	Fine	14:46	2.7	1.4	27.25	27.22	6.98		22.04		86.00		6.26		6.21		2.2	
			17:00	2.8	1.4	29.37		7.26		27.15		83.40	82.80	6.37	6.32	9.43	9.35	3.8	
			17:01	2.8	1.4	29.02		7.25		26.95		82.20		6.27		9.26		4.9	

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



Impact Water Quality Monitoring at Station 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
SR6	2/8/2024	Cloudy	15:15	2.3	1.2	29.72	29.56	6.92	6.92	24.96	24.91	95.40	95.15	6.37	6.36	6.73	6.71	2.4	2.6		
			15:16	2.3	1.2	29.40		6.92		24.86		94.90		6.35		6.69		2.8			
	5/8/2024	Cloudy	7:27	2.8	1.4	28.43	28.38	6.98	6.98	20.99	20.95	92.50	91.95	7.00	6.95	6.48	6.44	3.0	2.7		
			7:28	2.8	1.4	28.33		6.98		20.91		92.40		6.99		6.39		2.4			
	7/8/2024	Cloudy	7:46	2.5	1.3	28.25	28.17	6.97	6.98	29.57	29.41	94.20	93.35	6.63	6.60	6.95	6.85	8.0	7.6		
			7:47	2.5	1.3	28.09		6.98		29.41		92.50		6.56		6.74		7.2			
	9/8/2024	Cloudy	8:21	2.5	1.3	28.24	28.19	7.09	7.09	29.05	29.15	94.20	94.00	6.34	6.32	7.19	7.29	4.6	4.9		
			8:22	2.5	1.3	28.14		7.09		29.25		93.80		6.30		7.38		5.2			
	12/8/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																		
	14/8/2024	Cloudy	16:25	2.3	1.2	26.54	26.59	7.07	7.08	29.86	29.92	87.50	87.05	6.45	6.39	7.09	7.28	3.5	2.3		
			16:26	2.3	1.2	26.64		7.08		29.97		86.60		6.32		7.47		1.0			
	16/8/2024	Cloudy	16:48	2.4	1.2	26.37	26.49	7.14	7.14	28.37	28.31	86.20	86.00	6.33	6.29	7.84	7.94	2.6	2.4		
			16:49	2.4	1.2	26.61		7.14		28.25		85.80		6.24		8.04		2.2			
	19/8/2024	Fine	17:00	2.3	1.2	26.74	26.69	7.13	7.13	26.02	25.88	90.20	89.40	6.49	6.44	8.98	9.06	3.2	3.3		
			17:01	2.3	1.2	26.64		7.13		25.74		88.60		6.38		9.13		3.4			
	21/8/2024	Cloudy	7:39	2.5	1.3	29.73	29.84	6.92	6.93	24.81	24.77	89.00	89.45	6.28	6.31	7.37	7.20	1.6	1.5		
			7:40	2.5	1.3	29.94		6.93		24.73		89.90		6.33		7.02		1.3			
23/8/2024	Fine	8:31	2.4	1.2	28.05	28.10	6.96	6.96	21.17	21.08	90.00	89.40	6.34	6.31	8.02	7.96	1.8	1.6			
		8:32	2.4	1.2	28.15		6.96		20.99		88.80		6.28		7.90		1.3				
26/8/2024	Fine	11:46	2.5	1.3	27.86	27.93	7.27	7.27	27.02	27.09	86.20	86.25	6.27	6.31	6.93	6.80	3.6	3.7			
		11:47	2.5	1.3	28.00		7.26		27.16		86.30		6.35		6.67		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 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	2/8/2024	Cloudy	11:13	4.9	1.0	28.98	29.12	6.92	6.93	25.75	25.80	91.50	91.00	6.68	6.65	5.82	5.88	2.2	1.7
			11:14	4.9	1.0	29.25		6.93		25.94		90.50		6.62		5.94		1.2	
			12:40	3.8	1.0	27.92		6.97		21.80		86.60		6.46		7.89		3.2	
	5/8/2024	Cloudy	12:41	3.8	1.0	27.69	27.81	6.97	6.97	21.87	21.87	84.70	85.65	6.39	6.43	7.61	7.75	4.0	3.6
			13:52	4.3	1.0	29.16		7.03		27.76		98.60		6.64		5.73		4.7	
			13:53	4.3	1.0	29.08		7.04		27.84		97.60		6.59		5.65		4.0	
	7/8/2024	Cloudy	14:44	4.3	1.0	27.96	28.05	7.11	7.11	29.69	29.58	89.20	89.80	6.21	6.23	6.37	6.38	4.8	5.8
			14:45	4.3	1.0	28.14		7.10		29.47		90.40		6.25		6.39		6.7	
	12/8/2024	Cloudy	16:33	3.8	1.0	27.29	27.38	7.10	7.10	28.28	28.61	89.40	90.00	6.25	6.28	6.54	6.68	3.0	3.1
			16:34	3.8	1.0	27.42		7.09		28.94		90.60		6.31		6.82		3.2	
	14/8/2024	Cloudy	8:31	3.9	1.0	26.25	26.32	7.06	7.06	30.72	30.78	89.80	89.90	6.62	6.65	8.69	8.84	3.5	3.6
			8:32	3.9	1.0	26.38		7.06		30.84		90.00		6.67		8.98		3.7	
	16/8/2024	Cloudy	10:09	4.2	1.0	26.20	26.11	7.12	7.12	27.81	27.73	91.00	91.75	6.66	6.71	8.02	7.95	2.8	3.1
			10:10	4.0	1.0	26.02		7.12		27.65		92.50		6.76		7.87		3.4	
	19/8/2024	Cloudy	12:08	4.2	1.0	26.51	26.44	7.05	7.05	28.02	28.08	90.30	90.15	6.60	6.60	8.51	8.62	7.2	7.6
			12:09	4.2	1.0	26.37		7.04		28.13		90.00		6.59		8.73		8.0	
			12:59	4.1	1.0	30.19		6.94		25.37		93.00		6.58		6.98		1.6	
	21/8/2024	Cloudy	13:00	4.1	1.0	30.21	30.20	6.93	6.94	25.84	25.61	92.70	92.85	6.56	6.57	6.73	6.86	1.5	1.6
			14:27	4.1	1.0	27.72		6.96		21.70		88.20		6.45		6.79		1.4	
			14:28	4.1	1.0	27.45		6.97		21.94		87.60		6.40		6.40		1.1	
	26/8/2024	Fine	16:42	4.2	1.0	28.74	28.84	7.26	7.27	26.84	26.87	89.60	88.90	6.56	6.54	7.01	6.93	2.9	3.2
			16:43	4.2	1.0	28.93		7.27		26.90		88.20		6.52		6.85		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 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	2/8/2024	Cloudy	14:59	4.2	1.0	29.28	29.16	6.93	6.93	24.50	24.62	92.60	92.40	6.32	6.31	6.23	6.13	2.4	4.3	
			15:00	4.2	1.0	29.04		6.93		24.73		92.20		6.30		6.02		6.2		
			7:45	4.3	1.0	28.13		6.98		21.08		87.60		6.58		5.93		2.1		2.2
	5/8/2024	Cloudy	7:46	4.3	1.0	28.04	28.09	6.98	6.98	21.19	21.14	88.70	88.15	6.64	6.61	5.68	5.81	2.2	2.2	
			8:02	4.1	1.0	29.56		7.03		27.53		89.60		6.44		5.24		2.6		2.6
			8:03	4.1	1.0	29.67		7.04		27.62		88.80		6.39		4.97		2.5		2.5
	9/8/2024	Cloudy	8:38	3.9	1.0	27.54	27.65	7.09	7.10	30.44	30.34	94.00	93.25	6.34	6.29	7.74	7.70	4.1	4.5	
			8:39	3.9	1.0	27.76		7.10		30.24		92.50		6.24		7.65		4.8		
	12/8/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																	
	14/8/2024	Cloudy	16:08	3.7	1.0	27.12	27.02	7.08	7.08	28.73	28.86	89.20	89.10	6.58	6.58	7.04	7.15	3.0	2.9	
			16:09	3.7	1.0	26.91		7.08		28.98		89.00		6.57		7.25		2.7		
	16/8/2024	Cloudy	16:31	3.7	1.0	26.47	26.42	7.13	7.13	29.73	29.55	87.30	86.85	6.55	6.52	8.11	8.18	2.9	2.7	
			16:32	3.7	1.0	26.37		7.12		29.36		86.40		6.49		8.24		2.4		
	19/8/2024	Fine	16:42	3.8	1.0	27.12	26.96	7.14	7.14	29.01	28.92	91.20	90.20	6.62	6.55	8.64	8.52	3.8	4.0	
			16:43	3.8	1.0	26.80		7.14		28.92		89.20		6.48		8.40		4.1		4.0
21/8/2024	Cloudy	7:56	3.9	1.0	29.23	29.05	6.94	6.94	25.43	25.32	89.30	90.25	6.67	6.64	6.57	6.35	1.8	1.6		
		7:57	3.9	1.0	28.87		6.93		25.20		91.20		6.60		6.12		1.4			
23/8/2024	Fine	8:48	3.8	1.0	28.15	28.13	6.97	6.98	21.00	21.13	94.60	94.10	6.75	6.74	4.95	4.84	<1.0	1.0		
		8:49	3.8	1.0	28.10		6.98		21.25		93.60		6.72		4.73		<1.0			
26/8/2024	Fine	12:03	3.9	1.0	29.22	29.43	7.25	7.25	26.65	26.54	91.40	91.10	6.62	6.60	7.45	7.28	2.6	3.0		
		12:04	3.9	1.0	29.63		7.24		26.43		90.80		6.58		7.11		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 SR9 (Bottom) - Ebb Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR9	2/8/2024	Cloudy	11:16	4.9	3.9	28.17	28.07	6.92	6.92	29.73	29.59	86.00	86.40	6.48	6.50	5.51	5.38	2.2	2.6
			11:17	4.9	3.9	27.97		6.92		29.45		86.80		6.52		5.24		2.9	
			12:42	3.8	2.8	27.16		6.97		23.34		84.40		6.54		6.83		3.8	
	5/8/2024	Cloudy	12:43	3.8	2.8	27.32	27.24	6.97	6.97	23.03	23.19	87.20	85.80	6.68	6.61	7.02	6.93	3.5	3.7
			13:55	4.3	3.3	28.57		7.04		28.19		96.30		6.55		5.90		5.7	
			13:56	4.3	3.3	28.40		7.04		28.12		95.20		6.47		6.02		3.2	
	7/8/2024	Cloudy	14:47	4.3	3.3	27.95	27.78	7.10	7.10	29.94	29.88	91.80	92.10	6.30	6.33	6.92	7.02	6.8	6.2
			14:48	4.3	3.3	27.61		7.10		29.82		92.40		6.35		7.12		5.6	
			16:35	3.8	2.8	27.19		7.10		29.43		90.90	91.65	6.39	6.42	7.08	6.99	4.8	4.9
	12/8/2024	Cloudy	16:36	3.8	2.8	27.10	27.15	7.10	7.10	29.58	29.51	92.40		6.44		6.89		5.0	
			8:33	3.9	2.9	26.00		7.06		31.47		91.50	92.05	6.77	6.79	9.08	8.97	4.0	4.7
	14/8/2024	Cloudy	8:34	3.9	3.0	25.89		7.07	7.07	31.59	31.53	92.60		6.81		8.85		5.4	
			10:12	4.2	3.0	25.94	26.06	7.12		29.01		90.30	90.15	6.65	6.64	9.01	9.10	4.7	3.8
	16/8/2024	Cloudy	10:13	4.0	3.0	26.17		7.12		29.13		90.00		6.62		9.19		2.9	
			12:11	4.2	3.2	26.18	26.24	7.05	7.05	27.51	27.69	91.00	91.85	6.66	6.68	9.25	9.13	8.2	9.1
	19/8/2024	Cloudy	12:12	4.2	3.2	26.29		7.05		27.87		92.70		6.70		9.00		9.8	
			13:02	4.1	3.1	26.65		6.94		28.43	28.24	90.00	89.90	6.41	6.41	6.95	7.10	1.4	
	21/8/2024	Cloudy	13:03	4.1	3.1	29.87	29.76	6.95	6.95	28.05		89.20		6.40		7.25		2.2	1.8
			14:30	4.1	3.1	27.16		6.96		22.35	22.19	90.00	89.40	6.43	6.41	5.63	5.82	1.2	
	23/8/2024	Fine	14:31	4.1	3.1	27.25		6.96		22.03		88.80		6.39		6.00		1.0	
	26/8/2024	Fine	16:45	4.2	3.2	28.78	28.65	7.26	7.26	27.73	27.62	87.60	87.95	6.50	6.56	6.69	6.77	4.2	3.7
			16:46	4.2	3.2	28.51		7.26		27.50		88.30		6.62		6.84		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 SR9 (Bottom) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L				
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG			
SR9	2/8/2024	Cloudy	15:02	4.2	3.2	29.47	29.42	6.93	6.93	28.25	28.15	96.70	96.15	6.64	6.57	6.73	6.66	1.9	1.8			
			15:03	4.2	3.2	29.36		6.93		28.05		95.60		6.50		6.59		1.7				
			7:48	4.3	3.3	27.67		6.97		22.75		88.90		6.75		5.63		1.4				
	5/8/2024	Cloudy	7:49	4.3	3.3	27.70	27.69	6.98	6.98	22.67	22.75	86.80	87.85	6.61	6.68	5.74	5.69	1.5	1.5			
			8:05	4.1	3.1	28.94		7.04		28.73		87.60		6.38		6.28		5.9				
			8:06	4.1	3.1	28.89		7.03		28.55		89.90		6.51		6.45		6.49		6.39	6.3	
	7/8/2024	Cloudy	8:40	3.9	2.9	27.25	27.30	7.09	7.09	31.05	31.10	93.00	92.45	6.28	6.25	6.25	6.34	5.3	5.4			
			8:41	3.9	2.9	27.34		7.08		31.14		91.90		6.22		6.43		5.5				
			WQM was cancelled due to adverse weather																			
	12/8/2024	Amber Rainstorm																				
	14/8/2024	Cloudy	16:10	3.7	2.7	26.83	26.72	7.09	7.09	30.13	30.08	90.40	91.00	6.67	6.72	8.00	7.85	4.5	4.1			
			16:11	3.7	2.7	26.60		7.08		30.02		91.60		6.77		7.69		3.7				
			16:33	3.7	2.7	26.89		7.13		29.37		84.70		6.36		6.39		7.31		3.0		
	16/8/2024	Cloudy	16:34	3.7	2.7	26.50	26.70	7.12	7.13	29.18	29.28	86.10	85.40	6.42	6.39	7.02	7.17	3.6	3.3			
			16:44	3.8	2.8	26.57		7.14		29.11		90.80		6.58		6.56		7.74		7.85	3.9	3.8
			16:45	3.8	2.8	26.94		7.13		29.37		89.20		6.54		7.95		3.7				
19/8/2024	Fine	7:58	3.9	2.9	28.25	28.48	6.92	6.92	28.02	28.33	91.30	90.95	6.68	6.67	7.25	7.44	1.5	1.7				
		7:59	3.9	2.9	28.70		6.92		28.63		90.60		6.65		7.62		1.8					
		8:50	3.8	2.8	27.73		27.81		6.97		6.97		22.47		22.39		91.20		91.60	6.53	6.56	5.24
8:51	3.8	2.8	27.89	6.97	22.39	90.60		6.55	5.24	<1.0												
23/8/2024	Fine	12:05	3.9	2.9	29.14	29.09	7.25	7.26	26.90	26.92	89.20	89.55	6.45	6.49	6.98	7.12	3.4	3.0				
		12:06	3.9	2.9	29.03		7.26		26.93		89.90		6.52		7.25		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.



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
SR10	2/8/2024	Cloudy	11:24	2.8	1.4	28.32	28.39	6.93	6.93	28.44	28.54	88.80	88.35	6.57	6.55	6.66	6.75	2.2	2.4
			11:25	2.8	1.4	28.46		6.93		28.63		87.90		6.52		6.84		2.6	
	5/8/2024	Cloudy	12:29	2.4	1.2	27.23	27.17	6.96	6.96	23.15	23.14	84.90	84.90	6.61	6.63	6.84	6.73	3.2	2.9
			12:30	2.4	1.2	27.10		6.96		23.12		85.20		6.65		6.62		2.6	
	7/8/2024	Cloudy	13:42	2.9	1.5	28.73	28.63	7.03	7.03	28.01	27.86	95.50	94.65	6.43	6.37	4.43	4.35	3.0	3.4
			13:43	2.9	1.5	28.53		7.03		27.71		93.80		6.30		4.27		3.8	
	9/8/2024	Fine	14:33	2.6	1.3	27.62	27.73	7.11	7.11	31.00	30.92	87.90	88.45	6.25	6.29	7.54	7.48	5.4	6.8
			14:34	2.7	1.4	27.84		7.11		30.84		89.00		6.33		7.42		8.2	
	12/8/2024	Cloudy	16:23	2.6	1.3	26.78	26.85	7.10	7.10	29.99	30.00	91.20	91.85	6.30	6.33	8.01	8.07	5.6	5.3
			16:24	2.6	1.3	26.92		7.10		30.01		92.50		6.36		8.13		5.0	
	14/8/2024	Cloudy	8:41	2.5	1.3	25.73	25.82	7.08	7.08	31.79	31.89	87.80	88.60	6.42	6.49	9.69	9.85	6.4	5.8
			8:42	2.5	1.3	25.91		7.07		31.98		89.40		6.56		10.00		5.1	
	16/8/2024	Cloudy	10:20	2.8	1.3	25.87	25.99	7.11	7.11	31.24	31.29	84.20	84.90	6.42	6.45	9.26	9.19	2.6	3.0
			10:21	2.6	1.3	26.11		7.11		31.34		85.60		6.47		9.11		3.4	
	19/8/2024	Cloudy	12:19	2.8	1.4	25.97	26.02	7.06	7.06	28.12	28.16	90.40	90.10	6.46	6.42	9.54	9.64	10.9	10.0
			12:20	2.8	1.4	26.07		7.05		28.29		89.80		6.38		9.73		9.0	
	21/8/2024	Cloudy	12:48	2.8	1.4	28.73	28.79	6.94	6.94	28.63	29.53	87.40	88.10	6.26	6.28	6.12	6.03	3.2	3.0
			12:49	2.8	1.4	28.85		6.94		29.43		88.80		6.30		5.94		2.7	
	23/8/2024	Fine	14:15	2.8	1.4	27.43	27.54	6.97	6.97	23.10	23.18	88.50	89.65	6.38	6.42	5.90	6.07	<1.0	1.0
			14:16	2.8	1.4	27.64		6.97		23.25		90.80		6.45		6.24		<1.0	
	26/8/2024	Fine	16:33	2.6	1.3	28.45	28.59	7.28	7.28	26.94	26.99	83.50	82.95	6.29	6.26	6.25	6.15	3.1	3.4
			16:34	2.6	1.3	28.72		7.27		27.04		82.40		6.23		6.05		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 SR10 (Middle) - Flood Tide

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH -		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR10	2/8/2024	Cloudy	14:48	2.4	1.2	27.56	27.70	6.93	6.94	29.31	29.37	88.20	88.70	6.62	6.64	4.22	4.35	2.0	1.9
			14:49	2.4	1.2	27.84	6.94	29.43	89.20	6.66	4.47	1.8							
	5/8/2024	Cloudy	7:56	2.8	1.4	27.63	27.57	6.96	6.96	23.24	23.20	86.60	86.75	6.44	6.51	6.24	6.13	1.4	1.6
			7:57	2.8	1.4	27.51	6.96	23.15	86.90	6.58	6.02	1.8							
	7/8/2024	Cloudy	8:13	2.8	1.4	28.99	29.06	7.03	7.03	28.12	28.23	93.70	92.25	6.68	6.64	5.94	5.80	4.4	4.8
			8:14	2.8	1.4	29.12	7.03	28.34	90.80	6.59	5.65	4.4							
	9/8/2024	Cloudy	8:47	2.6	1.3	27.01	27.04	7.09	7.09	31.19	31.22	95.60	95.30	6.50	6.48	8.25	8.15	5.1	4.9
			8:48	2.6	1.3	27.07	7.09	31.25	95.00	6.46	8.05	4.6							
	12/8/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
	14/8/2024	Cloudy	15:58	2.3	1.2	26.37	26.26	7.08	7.08	31.40	31.53	89.80	90.30	6.65	6.67	9.12	9.56	3.2	3.8
			15:59	2.3	1.2	26.14	7.08	31.65	90.80	6.69	10.00	4.4							
	16/8/2024	Cloudy	16:20	2.3	1.2	26.57	26.47	7.12	7.12	29.73	29.72	85.90	86.15	6.39	6.41	7.25	7.33	3.2	3.2
			16:21	2.3	1.2	26.37	7.12	29.71	86.40	6.43	7.40	3.1							
	19/8/2024	Fine	16:32	2.3	1.2	26.94	26.83	7.14	7.14	29.63	29.61	87.40	87.00	6.29	6.23	8.02	7.95	4.9	4.5
			16:33	2.3	1.2	26.72	7.13	29.58	86.60	6.16	7.88	4.0							
21/8/2024	Cloudy	8:05	2.5	1.3	28.32	28.26	6.92	6.93	28.42	28.31	84.40	83.90	6.12	6.11	7.01	6.88	1.2	1.3	
		8:06	2.5	1.3	28.19	6.93	28.19	83.40	6.09	6.74	1.3								
23/8/2024	Fine	8:59	2.3	1.2	27.64	27.55	6.96	6.96	23.25	23.20	89.00	87.90	6.41	6.33	5.42	5.33	<1.0	1.1	
		9:00	2.3	1.2	27.45	6.96	23.14	86.80	6.25	5.24	1.1								
26/8/2024	Fine	12:14	2.5	1.3	29.11	29.18	7.30	7.29	27.21	27.18	87.80	87.40	6.39	6.34	7.37	7.19	2.0	1.8	
		12:15	2.5	1.3	29.25	7.28	27.15	87.00	6.29	7.00	1.6								

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



Impact Water Quality Monitoring at Station SR12 (Middle) - 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	2/8/2024	Cloudy	11:29	2.7	1.4	28.14	28.06	6.92	6.92	29.43	29.37	92.90	92.05	6.72	6.68	6.25	6.12	2.8	2.5
			11:30	2.7	1.4	27.97		6.92		29.31		91.20		6.63		5.98		2.2	
	5/8/2024	Cloudy	12:22	2.4	1.2	27.09	27.16	6.97	6.97	23.14	23.20	87.70	86.10	6.71	6.64	6.22	6.32	3.4	3.2
			12:23	2.4	1.2	27.22		6.96		23.26		84.50		6.56		6.42		2.9	
	7/8/2024	Cloudy	13:35	2.9	1.5	28.26	28.30	7.03	7.04	28.09	28.11	94.30	93.20	6.47	6.42	5.64	5.74	2.2	2.3
			13:36	2.9	1.5	28.34		7.04		28.13		92.10		6.36		5.84		2.3	
	9/8/2024	Fine	14:27	2.5	1.3	27.14	27.20	7.10	7.10	31.14	31.10	88.00	87.35	6.54	6.51	7.69	7.72	7.4	5.9
			14:28	2.7	1.4	27.25		7.10		31.05		86.70		6.48		7.74		4.4	
	12/8/2024	Cloudy	16:18	2.5	1.3	27.01	27.02	7.10	7.11	30.41	30.33	93.60	92.80	6.41	6.37	7.63	7.44	5.4	4.7
			16:19	2.5	1.3	27.02		7.11		30.25		92.00		6.32		7.24		4.0	
	14/8/2024	Cloudy	8:46	2.6	1.3	25.73	25.81	7.07	7.07	32.44	32.33	86.80	86.65	6.44	6.41	9.98	9.62	5.5	6.0
			8:47	2.6	1.4	25.89		7.07		32.22		86.50		6.38		9.25		6.4	
	16/8/2024	Cloudy	10:26	2.7	1.4	25.37	25.54	7.12	7.12	31.52	31.48	89.80	90.55	6.48	6.54	8.89	8.96	3.4	4.0
			10:27	2.7	1.4	25.70		7.11		31.43		91.30		6.60		9.02		4.6	
	19/8/2024	Cloudy	12:25	2.7	1.4	26.37	26.32	7.05	7.06	28.12	28.25	89.20	88.70	6.35	6.30	9.42	9.32	12.7	12.6
			12:26	2.7	1.4	26.36		7.06		28.37		88.20		6.25		9.21		12.4	
	21/8/2024	Cloudy	12:42	2.9	1.5	28.30	28.47	6.99	6.94	30.25	30.15	88.60	88.75	6.20	6.22	6.02	6.20	2.4	3.3
			12:43	2.9	1.5	28.64		6.94		30.05		88.90		6.23		6.37		4.2	
	23/8/2024	Fine	14:09	2.8	1.4	27.05	27.20	6.96	6.97	23.34	23.27	88.60	87.70	6.35	6.31	6.02	6.14	<1.0	1.0
			14:10	2.8	1.4	27.34		6.97		23.19		86.80		6.27		6.25		<1.0	
	26/8/2024	Fine	16:27	2.6	1.3	28.63	28.57	7.28	7.28	27.19	27.27	84.90	84.75	6.34	6.34	6.62	6.79	3.5	3.1
			16:28	2.6	1.3	28.50		7.27		27.34		84.60		6.33		6.95		2.7	

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



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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth		Sampling Depth		Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
				m	m	m	m	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR12	2/8/2024	Cloudy	14:43	2.3	1.2	27.56	27.68	6.93	6.93	30.28	30.21	90.10	89.10	6.61	6.54	4.13	4.06	1.8	1.4		
			14:44	2.3	1.2	27.80		6.93		30.13		88.10		6.46		3.98		1.0			
	5/8/2024	Cloudy	8:02	2.7	1.4	27.59	27.62	6.97	6.97	23.40	23.47	86.20	86.55	6.46	6.48	6.09	6.02	1.8	1.8		
			8:03	2.7	1.4	27.64		6.97		23.54		86.90		6.50		6.09					
	7/8/2024	Cloudy	8:19	2.7	1.4	28.80	28.80	7.03	7.03	27.74	27.73	90.70	90.30	6.52	6.46	6.24	6.31	6.2	5.7		
			8:20	2.7	1.4	28.80		7.03		27.72		89.90		6.40		6.37		5.1			
	9/8/2024	Cloudy	8:55	2.5	1.3	26.93	26.83	7.09	7.09	27.06	27.10	89.80	90.10	6.42	6.47	8.24	8.32	5.0			
			8:56	2.5	1.3	26.73		7.09		27.14		90.40		6.51		8.40		4.3	4.7		
	12/8/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																		
	14/8/2024	Cloudy	15:52	2.3	1.2	26.12	26.25	7.08	7.08	31.98	32.00	88.80	88.30	6.57	6.52	9.05	9.15	5.0	5.2		
			15:53	2.3	1.2	26.37		7.07		32.01		87.80		6.46		9.25		5.3			
	16/8/2024	Cloudy	16:13	2.4	1.2	26.67	26.62	7.12	7.12	29.36	29.50	86.50	85.65	6.34	6.31	6.98	6.86	2.6	2.6		
			16:14	2.4	1.2	26.56		7.12		29.64		84.80		6.28		6.73					
	19/8/2024	Fine	16:27	2.2	1.1	26.51	26.59	7.13	7.13	29.95	29.89	87.50	88.25	6.37	6.40	7.33	7.53	4.0	3.6		
			16:28	2.2	1.1	26.66		7.13		29.82		89.00		6.42		7.73		3.2			
	21/8/2024	Cloudy	8:13	2.6	1.3	28.05	28.00	6.93	6.93	29.01	29.07	90.50	90.15	6.62	6.59	7.24	7.40	1.3	1.9		
			8:14	2.6	1.3	27.95		6.93		29.13		89.80		6.55		7.56		2.4			
23/8/2024	Fine	9:06	2.4	1.2	27.49	27.37	6.97	6.97	23.51	23.49	86.60	85.70	6.24	6.21	5.01	5.22	<1.0	1.0			
		9:07	2.4	1.2	27.25		6.96		23.47		84.80		6.18		5.43		<1.0				
26/8/2024	Fine	12:19	2.4	1.2	29.43	29.33	7.29	7.29	27.04	27.09	86.60	87.20	6.24	6.28	8.12	8.27	2.9	3.4			
		12:20	2.4	1.2	29.23		7.29		27.14		87.80		6.31		8.42		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.

**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
SR15	2/8/2024	Cloudy	10:31	2.8	1.4	27.94	27.89	6.92	6.93	28.95	28.88	92.10	91.50	6.49	6.48	8.13	8.06	9.5	9.8
			10:32	2.8	1.4	27.84		6.93		28.81		90.90		6.46		7.98		10.1	
			13:25	2.5	1.3	27.85		6.98		22.29		91.00		6.71		7.46		3.1	
	5/8/2024	Cloudy	13:26	2.5	1.3	27.64	27.75	6.98	6.98	22.12	22.21	90.60	90.80	6.60	6.66	7.64	7.55	3.6	3.4
			14:37	2.9	1.5	28.86		7.01		28.18		98.20		6.65		6.25		4.2	
	7/8/2024	Cloudy	14:38	2.9	1.5	28.95	28.91	7.02	7.02	28.32	28.25	97.20	97.70	6.51	6.58	6.05	6.15	3.0	3.6
			15:30	2.7	1.4	28.29		7.09		30.01		98.60		6.86		8.37		5.0	
	9/8/2024	Fine	15:31	2.7	1.4	28.37	28.33	7.09	7.09	29.89	29.95	97.80	98.20	6.79	6.83	8.61	8.49	5.4	5.2
			17:18	2.4	1.2	27.69		7.11		27.54		89.80		6.68		7.24		4.8	
	12/8/2024	Cloudy	17:19	2.4	1.2	27.54	27.62	7.11	7.11	27.31	27.43	88.00	88.90	6.61	6.65	7.49	7.37	3.9	4.4
			7:45	2.7	1.4	26.87		7.08		28.19		86.20		6.42		7.92		2.5	
	14/8/2024	Cloudy	7:46	2.7	1.4	26.57	26.72	7.09	7.09	28.30	28.25	87.40	86.80	6.50	6.46	8.28	8.10	4.2	3.4
			9:23	2.5	1.3	26.02		7.12		27.73		86.00		6.38		6.64		2.2	
	16/8/2024	Cloudy	9:24	2.5	1.3	26.14	26.08	7.13	7.13	27.45	27.59	86.90	86.45	6.41	6.40	6.98	6.81	3.8	3.0
			11:24	2.9	1.5	26.13		7.07		27.76		87.40		6.29		9.25		7.1	
	19/8/2024	Cloudy	11:25	2.9	1.5	26.02	26.08	7.08	7.08	27.84	27.85	86.20	86.80	6.14	6.22	9.14	9.20	7.1	8.4
			12:44	2.6	1.3	28.84		6.90		29.37		93.00		6.58		7.57		1.6	
	21/8/2024	Cloudy	12:45	2.6	1.3	28.73	28.79	6.90	6.90	29.25	29.31	91.20	92.10	6.40	6.49	7.95	7.76	1.2	1.4
			15:07	2.7	1.4	27.55		6.98		22.44		90.80		6.44		6.19		1.1	
	23/8/2024	Fine	15:08	2.7	1.4	27.65	27.60	6.97	6.98	22.51	22.48	89.50	90.15	6.41	6.43	6.60	6.40	1.2	1.2
			17:28	2.7	1.4	29.10		7.28		26.36		82.90		6.32		7.95		3.3	
	26/8/2024	Fine	17:29	2.7	1.4	29.37	29.24	7.27	7.28	26.47	26.42	84.50	83.70	6.39	6.36	7.85	7.90	3.3	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
SR15	2/8/2024	Cloudy	15:44	2.3	1.2	28.55	28.61	6.91	6.91	29.46	29.55	92.80	91.90	6.35	6.32	7.70	7.81	4.4	4.2
			15:45	2.3	1.2	28.67		6.91		29.63		91.00		6.29		7.91		3.9	
	5/8/2024	Cloudy	7:00	2.9	1.5	28.02	28.17	6.97	6.98	26.06	26.15	88.80	89.05	6.55	6.57	5.59	5.53	2.2	2.2
			7:01	2.9	1.5	28.31		6.98		26.24		89.30		6.58		5.46		2.1	
	7/8/2024	Cloudy	7:17	2.7	1.4	27.34	27.25	6.94	6.95	31.04	31.02	89.30	90.25	6.52	6.55	7.90	7.97	10.1	7.4
			7:18	2.7	1.4	27.15		6.95		30.99		91.20		6.58		8.04		4.7	
	9/8/2024	Cloudy	7:53	2.4	1.2	27.74	27.69	7.07	7.07	28.52	28.45	93.70	93.10	6.42	6.39	8.59	8.81	5.2	5.3
			7:54	2.4	1.2	27.64		7.06		28.37		92.50		6.35		9.02		5.4	
	12/8/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
	14/8/2024	Cloudy	16:54	2.4	1.2	26.14	26.09	7.09	7.09	31.03	31.14	84.80	84.30	6.30	6.25	9.02	9.19	3.6	3.3
			16:55	2.4	1.2	26.04		7.09		31.25		83.80		6.19		9.36		2.9	
	16/8/2024	Cloudy	17:17	2.2	1.1	26.30	26.35	7.14	7.14	30.10	30.18	88.90	89.15	6.37	6.40	8.87	8.94	2.6	4.5
			17:18	2.2	1.1	26.40		7.13		30.25		89.40		6.43		9.01		6.3	
	19/8/2024	Fine	17:28	2.2	1.1	26.94	26.94	7.12	7.13	26.53	26.46	88.40	88.50	6.37	6.38	8.02	8.00	3.5	3.5
			17:29	2.2	1.1	26.74		7.13		26.38		88.60		6.38		7.98		3.5	
21/8/2024	Cloudy	7:09	2.3	1.2	28.17	28.11	6.90	6.90	29.37	29.21	89.30	89.75	6.23	6.25	7.67	7.52	1.8	1.6	
		7:10	2.3	1.2	28.05		6.90		29.05		90.20		6.26		7.37		1.4		
23/8/2024	Fine	8:00	2.3	1.2	28.19	28.22	6.96	6.97	26.47	26.36	88.80	88.50	6.41	6.40	7.73	7.66	1.4	1.3	
		8:01	2.3	1.2	28.25		6.97		26.25		88.20		6.39		7.59		1.2		
26/8/2024	Fine	11:19	2.4	1.2	28.19	28.33	7.25	7.26	27.64	27.54	90.60	89.70	6.59	6.55	8.73	8.64	3.6	3.9	
		11:20	2.4	1.2	28.46		7.26		27.43		88.80		6.51		8.55		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 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	2/8/2024	Cloudy	11:41	8.7	1.0	28.75	28.80	6.93	6.93	25.02	25.13	88.10	90.10	6.60	6.65	5.33	5.19	1.9	1.8
			11:42	8.7	1.0	28.84		6.93		25.24		91.10		6.69		5.04		1.6	
			12:10	8.5	1.0	28.43	28.40	6.98	6.98	20.98	20.96	88.90	88.85	6.70	6.70	5.01	5.06	2.6	2.9
	5/8/2024	Cloudy	12:11	8.5	1.0	28.37		6.98		20.93		88.80		6.70		5.11		3.2	
			13:23	8.9	1.0	27.98	27.91	7.02	7.02	29.34	29.29	94.00	93.90	6.95	6.93	7.36	7.31	6.0	6.0
			13:24	8.9	1.0	27.83		7.02		29.24		93.80		6.91		7.25		6.0	
	7/8/2024	Cloudy	13:24	8.9	1.0	27.83		7.02		29.24		93.80		6.91		7.25		6.0	
			14:15	8.7	1.0	28.12	28.03	7.11	7.11	28.94	28.91	89.40	89.80	6.44	6.48	6.24	6.34	5.0	5.0
			14:16	8.7	1.0	27.93		7.11		28.87		90.20		6.51		6.43		4.9	
	12/8/2024	Cloudy	16:05	8.4	1.0	27.19	27.22	7.10	7.10	27.14	27.19	91.60	91.95	6.84	6.86	4.37	4.50	3.1	3.3
			16:06	8.4	1.0	27.25		7.09		27.24		92.30		6.88		4.63		3.4	
			8:59	8.6	1.0	27.01	26.92	7.03	7.03	29.12	29.16	95.00	94.90	6.96	6.96	4.42	4.50	3.5	3.3
	14/8/2024	Cloudy	9:00	8.6	1.0	26.83		7.02		29.20		94.80		6.95		4.58		3.0	
			10:38	8.5	1.0	26.38	26.56	7.04	7.05	28.92	28.83	93.20	92.60	6.85	6.82	4.65	4.51	2.8	2.9
			10:39	8.5	1.0	26.73		7.05		28.73		92.00		6.79		4.37		3.0	
	19/8/2024	Cloudy	12:37	8.7	1.0	27.25	27.18	7.13	7.13	25.61	25.71	94.50	94.15	6.90	6.87	6.53	6.69	7.2	7.2
			12:38	8.7	1.0	27.11		7.13		25.81		93.90		6.94		6.84		7.1	
			12:30	8.7	1.0	29.47	29.26	6.94	6.94	26.84	26.76	90.40	90.30	6.46	6.46	5.37	5.21	1.9	1.9
	21/8/2024	Cloudy	12:31	8.7	1.0	29.04		6.93		26.67		90.20		6.45		5.05		1.8	
			13:55	8.6	1.0	28.53	28.59	6.98	6.98	20.78	21.02	93.00	93.40	6.68	6.73	4.05	4.02	<1.0	1.0
			13:56	8.6	1.0	28.64		6.98		21.25		93.80		6.78		3.98		<1.0	
	26/8/2024	Fine	16:15	8.6	1.0	28.16	28.30	7.24	7.24	26.53	26.60	91.20	90.65	6.78	6.75	5.87	5.94	4.1	3.9
			16:16	8.6	1.0	28.44		7.24		26.67		90.10		6.72		6.00		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	2/8/2024	Cloudy	14:30	8.4	1.0	29.14	29.26	6.93	6.93	26.33	26.45	94.00	95.45	6.78	6.83	6.49	6.51	2.7	2.8
			14:31	8.4	1.0	29.37		6.93		26.57		96.90		6.87		6.53		2.8	
			8:15	8.7	1.0	27.69	27.78	6.97	6.97	20.73	20.78	89.60	89.70	6.83	6.86	5.02	5.07	3.3	3.1
	5/8/2024	Cloudy	8:16	8.7	1.0	27.87		6.97		20.82		89.80		6.88		5.11		2.8	
			8:32	8.7	1.0	28.38	28.52	7.03	7.03	28.12	28.16	93.90	94.00	6.85	6.90	6.25	6.13	4.0	4.3
			8:33	8.7	1.0	28.65		7.03		28.20		94.10		6.94		6.01		4.6	
	9/8/2024	Cloudy	9:08	8.5	1.0	27.19	27.28	7.09	7.09	30.42	30.32	94.60	94.20	6.99	6.92	6.64	6.80	3.8	4.1
			9:09	8.5	1.0	27.37		7.09		30.22		93.80		6.84		6.95		4.3	
	12/8/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
	14/8/2024	Cloudy	15:40	8.4	1.0	26.02	26.05	7.04	7.04	31.64	31.57	95.20	94.60	6.96	6.92	5.69	5.75	2.5	3.0
			15:41	8.4	1.0	26.07		7.03		31.50		94.00		6.87		5.81		3.5	
			16:02	8.3	1.0	26.02	26.07	7.09	7.09	29.39	29.38	95.20	94.75	6.97	6.94	5.19	5.29	3.0	3.3
	16/8/2024	Cloudy	16:03	8.3	1.0	26.11		7.08		29.36		94.30		6.91		5.38		3.5	
			16:27	8.3	1.0	26.73	26.62	7.13	7.14	26.95	26.79	93.30	92.55	6.74	6.71	5.19	5.33	4.0	6.3
			16:28	8.3	1.0	26.51		7.15		26.62		91.80		6.68		5.47		8.6	
	21/8/2024	Cloudy	8:26	8.4	1.0	29.73	29.68	6.94	6.94	25.53	25.38	93.20	93.85	6.96	6.88	4.02	4.08	1.6	1.4
			8:27	8.4	1.0	29.62		6.93		25.23		94.50		6.89		4.13		1.1	
			9:19	8.3	1.0	27.98	27.84	6.98	6.98	20.73	20.68	94.20	94.05	6.70	6.69	4.01	4.13	<1.0	1.0
	23/8/2024	Fine	9:20	8.3	1.0	27.69		6.97		20.63		93.90		6.68		4.25		<1.0	
			12:32	8.4	1.0	28.65	28.62	7.26	7.26	26.73	26.66	95.20	95.50	6.96	6.97	7.10	7.18	3.2	3.0
			12:33	8.4	1.0	28.59		7.25		26.58		95.80		6.98		7.26		2.8	

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

**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	2/8/2024	Cloudy	11:45	8.7	4.4	27.96	27.91	6.93	6.93	29.67	29.56	93.60	91.10	6.72	6.69	3.39	3.52	<1.0	1.0
			11:46	8.7	4.4	27.86		6.92		29.45		90.60		6.66		3.64		<1.0	
	5/8/2024	Cloudy	12:14	8.5	4.3	28.02	28.09	6.98	6.98	22.10	22.22	88.20	88.70	6.66	6.69	5.38	5.29	3.3	3.4
			12:15	8.5	4.3	28.14		6.98		22.34		89.20		6.72		5.19		3.4	
	7/8/2024	Cloudy	13:27	8.9	4.5	27.04	27.19	7.02	7.02	31.29	31.32	93.00	92.40	6.83	6.80	6.22	6.31	7.6	5.1
			13:28	8.9	4.5	27.34		7.02		31.34		91.80		6.76		6.39		2.6	
	9/8/2024	Fine	14:19	8.7	4.4	27.73	27.79	7.10	7.11	29.66	29.70	91.40	91.60	6.59	6.61	6.91	6.73	4.9	4.5
			14:20	8.7	4.4	27.84		7.11		29.74		91.80		6.62		6.54		4.0	
	12/8/2024	Cloudy	16:09	8.4	4.2	27.04	27.10	7.09	7.09	28.88	28.90	90.70	91.80	6.81	6.86	5.89	5.77	3.6	3.7
			16:10	8.4	4.2	27.15		7.09		28.92		92.90		6.91		5.64		3.8	
	14/8/2024	Cloudy	9:03	8.6	4.3	26.58	26.71	7.02	7.03	30.29	30.23	91.60	92.30	6.77	6.81	3.89	3.95	2.6	2.9
			9:04	8.6	4.3	26.84		7.03		30.17		93.00		6.84		4.01		3.1	
	16/8/2024	Cloudy	10:42	8.5	4.3	25.99	25.90	7.05	7.05	32.47	32.38	92.20	93.15	6.83	6.89	6.39	6.51	3.4	3.4
			10:43	8.5	4.3	25.80		7.05		32.28		94.10		6.94		6.62		3.4	
	19/8/2024	Cloudy	12:41	8.7	4.4	26.88	26.81	7.14	7.14	26.87	26.75	93.20	93.45	6.82	6.85	6.85	6.79	9.0	11.3
			12:42	8.7	4.4	26.94		7.14		26.62		93.70		6.87		6.73		13.6	
	21/8/2024	Cloudy	12:34	8.7	4.4	29.05	29.02	6.93	6.93	29.05	29.15	95.10	95.90	6.70	6.78	4.51	4.63	1.3	1.4
			12:35	8.7	4.4	28.99		6.93		29.25		96.70		6.86		4.75		1.5	
	23/8/2024	Fine	13:59	8.6	4.3	28.10	28.22	6.98	6.98	22.15	22.33	91.90	91.35	6.63	6.62	4.12	4.21	1.2	1.2
			14:00	8.6	4.3	28.34		6.98		22.51		90.80		6.60		4.29		1.1	
	26/8/2024	Fine	16:19	8.6	4.3	27.94	27.84	7.23	7.23	28.04	28.21	92.30	93.05	6.81	6.85	5.52	5.45	2.9	3.3
			16:20	8.6	4.3	27.73		7.23		28.37		93.80		6.89		5.37		3.6	

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

**Impact Water Quality Monitoring at Station CE (Middle) - 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	2/8/2024	Cloudy	14:34	8.4	4.2	28.36	28.30	6.93	6.93	29.38	29.25	93.10	92.65	6.75	6.70	4.86	4.76	<1.0	1.0
			14:35	8.4	4.2	28.23		6.92		29.11		92.20		6.65		4.65		<1.0	
	5/8/2024	Cloudy	8:19	8.7	4.4	27.66	27.58	6.98	6.98	21.99	21.98	94.20	94.10	6.93	6.91	5.62	5.51	2.9	3.1
			8:20	8.7	4.4	27.49		6.98		21.97		94.00		6.89		5.39		3.2	
	7/8/2024	Cloudy	8:36	8.7	4.4	28.44	28.37	7.04	7.04	28.43	28.39	94.20	95.40	6.88	6.95	6.77	6.86	5.4	4.8
			8:37	8.7	4.4	28.30		7.03		28.34		96.60		7.01		6.94		4.2	
	9/8/2024	Cloudy	9:12	8.5	4.3	27.25	27.25	7.09	7.09	30.24	30.46	93.00	92.80	6.75	6.74	7.29	7.17	3.8	4.1
			9:13	8.5	4.3	27.25		7.08		30.67		92.60		6.72		7.05		4.4	
	12/8/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
	14/8/2024	Cloudy	15:44	8.4	4.2	26.32	26.26	7.04	7.05	30.84	30.90	95.60	94.10	7.02	6.95	4.31	4.17	2.6	3.1
			15:45	8.4	4.2	26.19		7.05		30.95		92.60		6.87		4.02		3.5	
	16/8/2024	Cloudy	16:06	8.3	4.2	26.15	26.08	7.08	7.08	28.83	28.89	92.30	92.95	6.82	6.85	5.39	5.32	3.4	3.4
			16:07	8.3	4.2	26.00		7.08		28.95		93.60		6.88		5.24		3.4	
	19/8/2024	Fine	16:31	8.3	4.2	26.31	26.25	7.14	7.14	27.91	28.02	95.60	95.15	6.96	6.91	6.11	6.07	8.4	8.9
			16:32	8.3	4.2	26.19		7.14		28.12		94.70		6.86		6.02		9.4	
	21/8/2024	Cloudy	8:30	8.4	4.2	28.11	28.27	6.93	6.93	29.98	29.91	90.70	89.35	6.71	6.66	4.51	4.38	1.2	1.4
			8:31	8.4	4.2	28.42		6.92		29.84		88.00		6.60		4.25		1.6	
	23/8/2024	Fine	9:23	8.3	4.2	27.75	27.63	6.98	6.98	21.73	21.81	94.20	94.30	6.71	6.72	4.73	4.66	1.6	1.3
			9:24	8.3	4.2	27.50		6.98		21.89		94.40		6.73		4.59		<1.0	
	26/8/2024	Fine	12:36	8.4	4.2	28.01	28.19	7.24	7.24	27.71	27.83	94.70	94.15	6.83	6.81	7.19	7.07	3.0	2.4
			12:37	8.4	4.2	28.37		7.24		27.95		93.60		6.79		6.95		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
CE	2/8/2024	Cloudy	11:48	8.7	7.7	27.55		6.92	6.93	30.97	31.02	89.40	89.85	6.61	6.60	5.03	5.14	<1.0	1.0
			11:49	8.7	7.7	27.64		6.93		31.06		90.30		6.58		5.25		<1.0	
	5/8/2024	Cloudy	12:17	8.5	7.5	27.84	27.78	6.98	6.98	22.73	22.66	87.40	88.00	6.60	6.65	6.96	6.73	2.8	2.9
			12:18	8.5	7.5	27.72		6.97		22.59		88.60		6.70		6.49		2.9	
	7/8/2024	Cloudy	13:30	8.9	7.9	26.53	26.47	7.01	7.02	32.30	32.26	93.40	93.10	6.84	6.81	5.92	5.78	2.8	3.1
			13:31	8.9	7.9	26.41		7.02		32.21		92.80		6.78		5.63		3.4	
	9/8/2024	Fine	14:22	8.7	7.7	27.64	27.52	7.11	7.11	30.34	30.39	90.00	89.90	6.48	6.45	6.19	6.35	4.9	5.0
			14:23	8.7	7.7	27.40		7.11		30.43		89.80		6.42		6.51		5.1	
	12/8/2024	Cloudy	16:12	8.4	7.4	26.74	26.78	7.09	7.09	30.17	30.09	90.20	90.50	6.79	6.81	6.17	6.25	4.7	4.5
			16:13	8.4	7.4	26.81		7.08		30.00		90.80		6.82		6.33		4.2	
	14/8/2024	Cloudy	9:06	8.6	7.6	26.25	26.14	7.03	7.04	31.06	31.12	93.00	92.90	6.86	6.86	4.00	4.13	3.4	3.3
			9:07	8.6	7.6	26.03		7.04		31.17		92.80		6.85		4.25		3.1	
	16/8/2024	Cloudy	10:45	8.5	7.5	25.69	25.85	7.06	7.06	32.81	32.88	86.40	86.15	6.34	6.29	7.01	6.95	5.8	5.8
			10:46	8.5	7.5	26.00		7.05		32.95		85.90		6.24		6.89		5.7	
	19/8/2024	Cloudy	12:44	8.7	7.7	26.50	26.42	7.13	7.13	28.02	28.15	93.00	93.55	6.77	6.82	5.87	5.97	10.6	11.2
			12:45	8.7	7.7	26.33		7.13		28.27		94.10		6.87		6.07		11.8	
	21/8/2024	Cloudy	12:37	8.7	7.7	27.37	27.26	6.93	6.93	29.95	29.87	93.20	94.30	6.68	6.70	4.25	4.12	2.8	2.1
			12:38	8.7	7.7	27.14		6.92		29.78		95.40		6.72		3.98		1.3	
	23/8/2024	Fine	14:02	8.6	7.6	27.95	27.85	6.97	6.98	22.93	22.79	92.10	91.15	6.67	6.61	5.73	5.69	2.2	1.6
			14:03	8.6	7.6	27.74		6.98		22.64		90.20		6.54		5.64		<1.0	
	26/8/2024	Fine	16:22	8.6	7.6	27.37	27.47	7.26	7.26	28.09	28.13	92.00	91.40	6.78	6.72	5.51	5.65	2.8	2.9
			16:23	8.6	7.6	27.57		7.25		28.16		90.80		6.66		5.79		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 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
CE	2/8/2024	Cloudy	14:37	8.4	7.4	28.00	28.13	6.92	6.92	29.98	29.89	93.80	93.90	6.68	6.75	4.55	4.43	<1.0	1.0
			14:38	8.4	7.4	28.25		6.92		29.79		94.00		6.81		4.31		<1.0	
	5/8/2024	Cloudy	8:22	8.7	7.7	27.35	27.41	6.99	6.99	22.34	22.45	87.60	88.30	6.77	6.79	5.31	5.36	2.8	2.7
			8:23	8.7	7.7	27.46		6.98		22.55		89.00		6.81		5.40		2.6	
	7/8/2024	Cloudy	8:39	8.7	7.7	26.93	27.03	7.03	7.03	31.54	31.58	95.10	94.85	6.97	6.96	5.85	5.75	3.4	3.3
			8:40	8.7	7.7	27.13		7.03		31.62		94.60		6.95		5.64		3.2	
	9/8/2024	Cloudy	9:15	8.5	7.5	27.01	27.02	7.09	7.09	31.19	31.14	92.80	92.90	6.70	6.71	6.25	6.48	5.6	5.7
			9:16	8.5	7.5	27.03		7.09		31.09		93.00		6.71		6.71		5.8	
	12/8/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
	14/8/2024	Cloudy	15:47	8.4	7.4	25.94	25.98	7.05	7.05	31.25	31.34	93.60	93.10	6.91	6.90	3.97	4.01	3.6	3.7
			15:48	8.4	7.4	26.01		7.05		31.42		92.60		6.88		4.05		3.7	
	16/8/2024	Cloudy	16:09	8.3	7.3	25.73	25.77	7.09	7.09	32.19	32.28	91.00	91.50	6.74	6.77	6.37	6.56	5.4	5.4
			16:10	8.3	7.3	25.81		7.08		32.37		92.00		6.79		6.75		5.4	
	19/8/2024	Fine	16:34	8.3	7.3	25.87	25.95	7.14	7.14	28.57	28.43	95.40	94.50	6.95	6.88	6.20	6.22	7.9	9.6
			16:35	8.3	7.3	26.03		7.14		28.28		93.60		6.80		6.23		11.3	
	21/8/2024	Cloudy	8:33	8.4	7.4	27.84	27.90	6.94	6.94	30.47	30.30	86.20	86.00	6.51	6.53	5.01	4.89	1.5	1.7
			8:34	8.4	7.4	27.95		6.94		30.13		85.80		6.55		4.76		1.8	
	23/8/2024	Fine	9:26	8.3	7.3	27.19	27.25	6.97	6.97	22.37	22.41	90.10	90.65	6.53	6.57	4.76	4.87	1.5	1.8
			9:27	8.3	7.3	27.30		6.97		22.45		91.20		6.60		4.98		2.0	
	26/8/2024	Fine	12:39	8.4	7.4	27.95	27.87	7.24	7.25	28.47	28.38	91.80	91.00	6.68	6.64	6.57	6.68	2.0	1.7
			12:40	8.4	7.4	27.79		7.25		28.28		90.20		6.59		6.79		1.4	

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	2/8/2024	Cloudy	10:12	8.7	1.0	28.37	28.42	6.88	6.88	21.13	21.29	97.80	98.70	6.89	6.94	4.59	4.38	<1.0	1.0
			10:13	8.7	1.0	28.47		6.98		21.44		99.60		6.98		4.17		<1.0	
			13:45	8.5	1.0	27.80	27.88	6.99	6.99	21.85	21.80	92.40	92.30	6.83	6.84	6.17	6.21	3.8	3.4
	5/8/2024	Cloudy	13:46	8.5	1.0	27.95		6.99		21.74		92.20		6.84		6.25		3.0	
			14:57	9.0	1.0	28.17	28.21	7.04	7.04	28.11	28.23	92.20	93.15	6.80	6.86	4.42	4.62	4.9	4.6
			14:58	9.0	1.0	28.25		7.03		28.34		94.10		6.91		4.82		4.2	
	9/8/2024	Fine	15:49	8.7	1.0	28.60	28.67	7.09	7.09	27.52	27.58	94.80	95.50	6.72	6.75	5.42	5.47	4.2	4.2
			15:50	8.7	1.0	28.74		7.09		27.64		96.20		6.78		5.52		4.2	
			17:37	8.3	1.0	28.10	28.11	7.11	7.11	25.25	25.18	94.00	93.95	6.89	6.88	4.47	4.63	4.2	4.7
	12/8/2024	Cloudy	17:38	8.3	1.0	28.11		7.10		25.11		93.90		6.86		4.78		5.2	
			7:26	8.6	1.0	26.73	26.77	7.10	7.10	29.42	29.34	92.50	92.85	6.84	6.86	4.65	4.74	1.9	1.8
			7:27	8.6	1.0	26.81		7.09		29.25		93.20		6.88		4.82		1.6	
	16/8/2024	Cloudy	9:03	8.4	1.0	26.13	26.20	7.12	7.12	28.98	28.86	94.90	94.75	6.79	6.78	5.01	5.06	3.5	3.5
			9:04	8.4	1.0	26.27		7.12		28.73		94.60		6.77		5.11		3.4	
			11:05	8.7	1.0	26.83	26.78	7.12	7.12	25.36	25.40	95.40	95.05	6.98	6.91	5.25	5.14	5.5	5.2
	19/8/2024	Cloudy	11:06	8.7	1.0	26.73		7.12		25.43		94.70		6.83		5.02		4.7	
			13:03	8.6	1.0	30.01	29.95	6.91	6.91	22.25	22.39	97.20	96.25	6.91	6.86	5.19	5.29	3.4	2.6
			13:04	8.6	1.0	29.89		6.90		22.53		95.30		6.80		5.39		1.8	
	23/8/2024	Fine	15:26	8.7	1.0	27.84	27.72	6.99	6.99	21.94	21.94	95.80	95.40	6.85	6.84	5.07	4.98	<1.0	1.0
			15:27	8.7	1.0	27.60		6.98		21.94		95.00		6.83		4.89		<1.0	
			17:48	8.6	1.0	29.02	29.00	7.24	7.25	26.36	26.26	86.50	86.20	6.53	6.51	6.02	6.21	3.8	4.0
	26/8/2024	Fine	17:49	8.6	1.0	28.97		7.25		26.16		85.90		6.48		6.39		4.1	

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

**Impact Water Quality Monitoring at Station CF (surface) - 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	2/8/2024	Cloudy	16:02	8.1	1.0	29.81	29.89	6.90	6.90	21.30	21.37	95.60	95.15	6.88	6.82	5.59	5.66	1.8	1.9
			16:03	8.1	1.0	29.97		6.90		21.43		94.70		6.76		5.73		2.0	
			6:41	8.9	1.0	28.38	28.44	6.96	6.96	25.89	25.92	93.40	92.85	6.83	6.79	4.24	4.30	2.4	2.1
	5/8/2024	Cloudy	6:42	8.9	1.0	28.49		6.96		25.94		92.30		6.75		4.35		1.7	
			6:56	8.7	1.0	29.48	29.51	6.66	6.67	27.74	27.79	91.80	92.50	6.82	6.85	6.19	6.46	3.8	3.6
			6:57	8.7	1.0	29.53		6.67		27.84		93.20		6.88		6.72		3.4	
	9/8/2024	Cloudy	7:33	8.4	1.0	28.05	28.02	7.04	7.04	26.47	26.58	96.80	95.50	6.92	6.88	6.25	6.39	4.3	4.0
			7:34	8.4	1.0	27.99		7.04		26.69		94.20		6.84		6.53		3.6	
	12/8/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
	14/8/2024	Cloudy	17:12	8.2	1.0	27.04	27.15	7.08	7.09	28.93	28.83	92.00	92.20	6.74	6.76	5.37	5.46	3.4	3.0
			17:13	8.2	1.0	27.25		7.09		28.73		92.40		6.78		5.54		2.5	
			17:18	8.1	1.0	25.80	25.86	7.14	7.14	29.73	29.67	92.00	91.40	6.97	6.94	6.25	6.41	2.5	2.3
	16/8/2024	Cloudy	17:19	8.1	1.0	25.91		7.13		29.60		90.80		6.91		6.57		2.1	
			17:48	8.2	1.0	27.36	27.40	7.14	7.14	23.26	23.32	95.60	95.35	6.94	6.92	5.87	5.70	3.8	3.7
			17:49	8.2	1.0	27.43		7.13		23.37		95.10		6.90		5.52		3.6	
	21/8/2024	Cloudy	6:49	8.3	1.0	30.12	30.28	6.89	6.90	22.31	22.39	98.60	98.05	6.89	6.87	5.12	5.21	1.8	1.6
			6:50	8.3	1.0	30.43		6.90		22.47		97.50		6.84		5.29		1.4	
			7:40	8.1	1.0	28.51	28.62	6.97	6.97	25.99	25.94	96.60	97.30	6.88	6.93	3.05	3.10	1.0	1.2
	23/8/2024	Fine	7:41	8.1	1.0	28.73		6.97		25.89		98.00		6.98		3.14		1.4	
			11:00	8.3	1.0	28.57	28.47	7.24	7.25	26.91	27.02	93.60	94.50	6.89	6.92	6.59	6.50	2.5	2.7
			11:01	8.3	1.0	28.37		7.25		27.13		95.40		6.94		6.41		2.9	

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



Impact Water Quality Monitoring at Station 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	2/8/2024	Cloudy	10:16	8.7	4.4	27.81	27.76	6.91	6.91	28.95	28.97	93.00	93.30	6.62	6.65	4.53	4.58	1.8	1.4
			10:17	8.7	4.4	27.70		6.90		28.98		93.60		6.67		4.62		1.0	
			13:49	8.5	4.3	27.19	27.10	6.98	6.99	23.09	23.13	88.90	88.95	6.75	6.76	4.98	5.01	2.0	2.0
	5/8/2024	Cloudy	13:50	8.5	4.3	27.18		6.99		23.17		89.00		6.77		5.03		2.0	
			15:01	9.0	4.5	28.73	28.67	7.04	7.04	27.98	27.96	93.00	93.45	6.85	6.87	4.50	4.45	6.8	6.2
			15:02	9.0	4.5	28.60		7.04		27.93		93.90		6.89		4.40		5.6	
	7/8/2024	Cloudy	15:02	9.0	4.5	28.60		7.04		27.93		93.90		6.89		4.40		5.6	
			15:53	8.7	4.4	27.50	27.62	7.08	7.08	30.24	30.16	92.00	92.70	6.59	6.63	4.82	4.73	4.9	4.5
			15:54	8.7	4.4	27.74		7.08		30.07		93.40		6.66		4.64		4.0	
	9/8/2024	Fine	15:53	8.7	4.4	27.50	27.62	7.08	7.08	30.24	30.16	92.00	92.70	6.59	6.63	4.82	4.73	4.9	4.5
			15:54	8.7	4.4	27.74		7.08		30.07		93.40		6.66		4.64		4.0	
			17:41	8.3	4.2	27.24	27.21	7.11	7.11	29.24	29.41	94.80	94.95	6.92	6.94	5.00	4.85	4.0	4.6
	12/8/2024	Cloudy	17:42	8.3	4.2	27.18		7.11		29.57		95.10		6.95		4.69		5.2	
			7:30	8.6	4.3	26.83	26.85	7.08	7.09	29.40	29.26	92.60	92.40	6.87	6.83	4.48	4.37	1.7	1.7
			7:31	8.6	4.3	26.86		7.09		29.12		92.20		6.79		4.25		1.7	
	14/8/2024	Cloudy	9:07	8.4	4.2	26.37	26.41	7.12	7.12	30.56	30.65	89.80	90.55	6.55	6.60	5.40	5.32	2.2	2.5
			9:08	8.4	4.2	26.45		7.11		30.73		91.30		6.64		5.24		2.8	
			11:09	8.7	4.4	26.50	26.52	7.13	7.13	27.64	27.54	92.30	92.30	6.74	6.74	5.63	5.74	4.3	3.9
	19/8/2024	Cloudy	11:10	8.7	4.4	26.53		7.12		27.43		92.30		6.74		5.84		3.5	
			13:07	8.6	4.3	26.65	26.56	6.91	6.91	26.53	26.60	96.60	96.60	6.85	6.82	5.57	5.41	4.2	3.7
			13:08	8.6	4.3	29.47	29.56	6.90	6.91	26.67	26.60	94.60	95.60	6.78	6.82	5.24		3.1	
	21/8/2024	Cloudy	15:30	8.7	4.4	27.37	27.23	6.99	6.99	23.19	23.22	93.60	93.95	6.69	6.72	4.73	4.81	<1.0	1.0
			15:31	8.7	4.4	27.09		6.99		23.25		94.30		6.75		4.89		<1.0	
			17:52	8.6	4.3	28.82	28.86	7.25	7.25	26.80	26.91	86.20	85.70	6.50	6.48	6.15	6.02	3.5	3.6
	26/8/2024	Fine	17:53	8.6	4.3	28.90		7.25		27.01		85.20		6.45		5.89		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 (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	2/8/2024	Cloudy	16:06	8.1	4.1	29.34	29.27	6.91	6.91	25.74	25.71	94.90	95.25	6.80	6.85	5.84	5.79	1.9	2.4
			16:07	8.1	4.1	29.20		6.90		25.68		95.60		6.90		5.73		2.8	
			6:45	8.9	4.5	28.15	28.11	6.97	6.97	26.98	26.96	91.90	91.10	6.61	6.59	4.07	3.98	2.7	2.5
	5/8/2024	Cloudy	6:46	8.9	4.5	28.06		6.96		26.93		90.30		6.56		3.89		2.2	
			7:00	8.7	4.4	28.73	28.67	6.76	6.76	28.84	28.82	90.70	91.80	6.76	6.80	5.86	5.55	4.8	5.0
			7:01	8.7	4.4	28.60		6.76		28.79		92.90		6.83		5.24		5.2	
	9/8/2024	Cloudy	7:37	8.4	4.2	28.00	27.97	7.05	7.05	27.36	27.31	93.40	93.20	6.81	6.79	5.50	5.35	3.9	3.8
			7:38	8.4	4.2	27.94		7.04		27.25		93.00		6.77		5.19		3.6	
	12/8/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
	14/8/2024	Cloudy	17:16	8.2	4.1	27.25	27.20	7.08	7.08	28.79	28.94	90.60	90.80	6.68	6.70	5.96	5.85	2.7	3.1
			17:17	8.2	4.1	27.14		7.08		29.08		91.00		6.72		5.74		3.4	
			17:22	8.1	4.1	25.87	25.76	7.13	7.14	29.91	29.96	94.90	93.95	7.05	7.02	6.23	6.12	2.5	2.1
	16/8/2024	Cloudy	17:23	8.1	4.1	25.64		7.14		30.01		93.00		6.99		6.00		1.6	
			17:52	8.2	4.1	27.10	27.13	7.13	7.14	23.84	23.82	93.80	94.05	6.71	6.73	5.89	5.96	5.8	5.2
			17:53	8.2	4.1	27.15		7.14		23.79		94.30		6.75		6.03		4.5	
	19/8/2024	Fine	6:53	8.3	4.2	29.95	29.91	6.90	6.91	25.73	25.69	98.40	98.80	6.93	6.94	5.60	5.49	4.1	3.3
			6:54	8.3	4.2	29.87		6.91		25.64		99.20		6.95		5.37		2.4	
			7:44	8.1	4.1	28.11	28.16	6.96	6.96	26.84	26.79	95.80	94.00	6.82	6.80	3.05	3.02	<1.0	1.7
	23/8/2024	Fine	7:45	8.1	4.1	28.20		6.95		26.73		92.20		6.78		2.98		2.3	
			11:04	8.3	4.2	28.19	28.23	7.25	7.25	27.64	27.55	95.80	95.45	6.99	6.96	6.02	6.08	2.1	2.6
			11:05	8.3	4.2	28.27		7.24		27.45		95.10		6.92		6.13		3.0	

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



Impact Water Quality Monitoring at Station CF (Bottom) - 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	2/8/2024	Cloudy	10:19	8.7	7.7	27.48	27.42	6.91	6.91	30.10	30.17	92.00	92.65	6.80	6.62	5.26	5.14	1.4	1.6
			10:20	8.7	7.7	27.36		6.91		30.24		93.30		6.64		5.02		1.5	
			13:52	8.5	7.5	26.27		6.99		23.87		92.00		6.85		5.62		3.1	
	5/8/2024	Cloudy	13:53	8.5	7.5	26.39	26.33	6.99	6.99	23.64	23.76	92.40	92.20	6.89	6.87	5.49	5.56	3.2	3.2
			15:05	9.0	8.0	28.28		7.03		28.20		96.20		7.01		3.87		3.4	
			15:06	9.0	8.0	28.44		7.04		28.42		94.60		6.95		3.99		4.4	
	7/8/2024	Cloudy	15:56	8.7	7.7	27.30	27.42	7.08	7.09	31.68	31.81	92.60	92.90	6.62	6.64	4.54	4.67	4.2	4.6
			15:57	8.7	7.7	27.54		7.09		31.94		93.20		6.65		4.79		4.9	
			17:44	8.3	7.3	26.72		7.11		30.63		93.60	93.80	6.85	6.87	5.02	5.03	4.7	4.3
	12/8/2024	Cloudy	17:45	8.3	7.3	26.90	26.81	7.12	7.12	30.24	30.44	94.00		6.88		5.03		3.9	
			7:33	8.6	7.6	26.89		7.09		29.73		93.00		6.89	6.85	4.04	4.11	1.3	1.5
	14/8/2024	Cloudy	7:34	8.6	7.6	26.86		7.09		29.36		92.20		6.80		4.18		1.7	
			9:10	8.4	7.4	25.41	25.39	7.11	7.12	31.97	31.86	91.80	91.25	6.69	6.65	4.73	4.84	2.4	2.3
	16/8/2024	Cloudy	9:11	8.4	7.4	25.37		7.12		31.74		90.70		6.61		4.95		2.2	
			11:12	8.7	7.7	26.20		7.12	7.13	28.95	29.06	91.40	90.85	6.68	6.65	5.87	5.80	5.2	5.0
	19/8/2024	Cloudy	11:13	8.7	7.7	26.12	26.16	7.13		29.16		90.30		6.62		5.73		4.8	
			13:10	8.6	7.6	26.57		6.91		28.72		97.50	96.50	6.97	6.91	5.79	5.90	8.0	
	21/8/2024	Cloudy	13:11	8.6	7.6	28.73	28.65	6.91		28.59	28.66	95.50		6.84		6.00		9.5	8.8
			15:33	8.7	7.7	26.50		6.98	6.98	23.84		93.40	94.20	6.68	6.74	4.25	4.33	2.2	
	23/8/2024	Fine	15:34	8.7	7.7	26.45		6.98		23.95		95.00		6.79		4.40		<1.0	
	26/8/2024	Fine	17:55	8.6	7.6	28.53	28.57	7.24	7.25	27.27	27.32	88.90	89.30	6.65	6.68	5.19	5.51	3.0	3.2
			17:56	8.6	7.6	28.61		7.25		27.36		89.70		6.70		5.83		3.3	

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



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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
CF	2/8/2024	Cloudy	16:09	8.1	7.1	28.68	28.60	6.90	6.91	27.90	27.94	94.50	94.95	6.74	6.81	6.91	4.8	3.7	
			16:10	8.1	7.1	28.52		6.91	27.98		95.40	6.88		7.00					
			6:48	8.9	7.9	27.96	27.91	6.97	6.97	27.28	27.34	92.30	92.70	6.73	6.81	4.27	4.36	2.0	2.1
	5/8/2024	Cloudy	6:49	8.9	7.9	27.96		6.97	27.28		93.20		6.89						
			7:03	8.7	7.7	27.33	27.37	6.81	6.81	32.17	32.21	90.80	90.85	6.74	6.74	4.25	4.51	5.6	4.6
			7:04	8.7	7.7	27.41		6.80	32.25		90.70	90.79	6.73		4.76		3.6		
	7/8/2024	Cloudy	7:40	8.4	7.4	27.19	27.22	7.05	7.05	30.19	30.24	93.70	92.75	6.84	6.75	4.25	4.45	3.9	4.0
			7:41	8.4	7.4	27.25		7.05	30.28		91.80		6.66		4.65		4.0		
	12/8/2024	Amber Rainstorm	WQM was cancelled due to adverse weather																
	14/8/2024	Cloudy	17:19	8.2	7.2	27.54	27.62	7.09	7.09	29.55	29.46	90.10	89.80	6.67	6.64	5.24	5.37	2.4	2.5
			17:20	8.2	7.2	27.69		7.08		29.37		89.50		6.61		5.50		2.5	
			17:25	8.1	7.1	25.62		7.13		33.34		89.00		6.84		5.84		2.1	
	16/8/2024	Cloudy	17:26	8.1	7.1	25.74	25.68	7.14	7.14	32.21	32.78	88.80	88.90	6.78	6.81	6.01	5.93	2.7	2.4
	17:55		8.2	7.2	28.01	27.85	7.14	7.14	25.94	25.86	93.30	94.05	6.68	6.72	6.07	6.22	6.0	5.9	
	19/8/2024	Fine	17:56	8.2	7.2	27.68		7.14	25.78		94.80		6.76		6.37		5.8		
	6:56		8.3	7.3	28.51	28.63	6.90	6.90	27.43	27.34	91.30	90.75	6.49	6.46	6.02	6.20	4.4	6.9	
	21/8/2024	Cloudy	6:57	8.3	7.3	28.75		6.90	27.05		90.20		6.42		6.37		9.4		
	7:47		8.1	7.1	27.74	27.85	6.96	6.96	27.19	27.30	95.70	96.60	6.79	6.86	3.15	3.15	2.5	2.7	
	23/8/2024	Fine	7:48	8.1	7.1	27.96		6.95	27.41		97.50		6.93		3.15				
	11:07		8.3	7.3	27.86	27.77	7.25	7.25	27.95	28.10	93.20	93.40	6.81	6.83	5.09	5.44	6.2	8.8	
	26/8/2024	Fine	11:08	8.3	7.3	27.67		7.24	28.25		93.60		6.84		5.79		11.3		

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 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	7/10/2024	Fine	14:22	3.7	1.0	28.00		7.86	7.87	31.94	31.89	85.60	86.40	6.40	6.47	7.44	7.38	3.0	2.7
			14:23	3.7	1.0	28.30		7.87		31.83		87.20		6.94		7.31		2.6	
	9/10/2024	Fine	7:09	3.3	1.0	27.40	27.35	7.98	7.93	32.95	32.75	91.00	92.10	6.64	6.71	6.65	6.40	5.6	5.4
			7:10	3.3	1.0	27.30		7.88		32.64		93.20		6.77		6.15		5.2	
	12/10/2024	Fine	7:21	3.8	1.0	27.80	27.75	7.90	7.90	32.99	32.97	88.60	88.20	6.45	6.44	8.06	8.02	8.5	9.2
			7:22	3.8	1.0	27.70		7.89		32.95		87.80		6.42		7.98		9.9	
	14/10/2024	Fine	9:07	3.8	1.0	28.00	28.10	7.91	7.91	32.23	32.20	97.70	97.45	6.85	6.84	4.01	4.25	5.3	5.9
			9:08	3.8	1.0	28.20		7.91		32.17		97.20		6.83		4.49		6.4	
	16/10/2024	Fine	10:47	3.9	1.0	27.80	27.85	7.96	7.96	32.59	32.54	90.40	89.10	6.59	6.50	3.92	4.09	3.7	3.5
			10:48	3.9	1.0	27.90		7.95		32.48		87.80		6.40		4.25		3.3	
	18/10/2024	Fine	12:03	3.8	1.0	28.54	28.48	7.99	8.00	33.84	33.96	100.40	99.75	6.69	6.67	3.01	3.30	3.4	3.5
			12:04	3.8	1.0	28.42		8.01		34.07		99.10		6.65		3.59		3.5	
	21/10/2024	Cloudy	14:58	3.8	1.0	29.06	29.04	7.83	7.84	32.02	32.01	102.50	101.70	6.51	6.46	5.77	5.81	5.8	6.0
			14:59	3.8	1.0	29.01		7.84		31.99		100.90		6.41		5.84		6.2	
	23/10/2024	Cloudy	7:06	3.6	1.0	26.14	26.21	7.53	7.57	32.05	32.61	100.90	101.15	6.89	6.90	6.54	6.67	8.3	8.9
			7:07	3.6	1.0	26.27		7.60		33.16		101.40		6.91		6.80		9.6	
	25/10/2024	Cloudy	7:15	3.8	1.0	25.47	25.47	7.87	7.88	33.96	34.05	84.90	85.35	6.61	6.66	5.87	5.95	4.6	4.8
			7:16	3.8	1.0	25.46		7.89		34.14		85.80		6.70		6.02		4.8	
	28/10/2024	Fine	9:27	3.9	1.0	25.76	25.70	7.38	7.39	33.75	33.80	96.60	96.50	6.65	6.65	8.47	8.52	49.8	49.6
			9:28	3.9	1.0	25.64		7.39		33.84		96.40		6.64		8.56		49.3	
	30/10/2024	Fine	10:38	3.8	1.0	26.53	26.51	7.96	7.95	33.10	33.12	97.20	97.65	6.72	6.75	5.49	5.30	3.0	2.8
			10:39	3.8	1.0	26.48		7.94		33.13		98.10		6.78		5.11		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 (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	7/10/2024	Fine	8:31	3.4	1.0	27.60	27.55	7.86	7.87	32.36	32.39	86.90	86.70	6.62	6.60	6.54	6.49	4.0	3.6
			8:32	3.4	1.0	27.50		7.87		32.41		86.50		6.57		6.44		3.2	
	9/10/2024	Fine	16:12	3.6	1.0	27.30	27.35	7.94	7.94	32.09	32.15	87.80	87.20	6.58	6.56	5.12	5.17	6.5	6.2
			16:13	3.6	1.0	27.40		7.94		32.21		86.60		6.53		5.22		5.8	
	12/10/2024	Fine	16:11	3.3	1.0	27.40	27.45	7.93	7.93	32.17	32.13	93.80	92.50	6.68	6.65	5.12	5.30	5.7	5.8
			16:12	3.3	1.0	27.50		7.92		32.09		91.20		6.61		5.47		5.9	
	14/10/2024	Fine	16:54	3.3	1.0	27.80	27.75	7.94	7.95	32.43	32.55	97.70	97.45	6.80	6.79	4.29	4.47	5.7	5.5
			16:55	3.3	1.0	27.70		7.95		32.67		97.20		6.77		4.64		5.2	
	16/10/2024	Fine	17:50	3.2	1.0	28.00	27.95	7.96	7.97	32.73	32.71	89.40	88.40	6.63	6.61	4.31	4.45	4.4	4.8
			17:51	3.2	1.0	27.90		7.97		32.69		87.40		6.58		4.59		5.1	
	18/10/2024	Fine	18:41	3.3	1.0	28.87	28.89	7.97	7.96	33.38	33.34	103.20	102.45	6.66	6.61	3.13	3.01	2.9	2.6
			18:42	3.3	1.0	28.90		7.95		33.30		101.70		6.55		2.89		2.2	
	21/10/2024	Cloudy	8:58	3.2	1.0	29.31	29.36	7.81	7.81	32.54	32.64	104.90	105.35	6.67	6.70	7.25	7.14	13.4	12.6
			8:59	3.2	1.0	29.40		7.80		32.74		105.80		6.72		7.02		11.7	
	23/10/2024	Cloudy	13:19	3.4	1.0	27.18	27.13	7.76	7.76	33.54	33.40	99.50	98.10	6.75	6.66	7.95	7.82	10.7	11.3
			13:20	3.4	1.0	27.07		7.76		33.25		96.70		6.56		7.68		11.8	
	25/10/2024	Cloudy	14:15	3.5	1.0	26.74	26.64	7.55	7.55	33.40	33.52	89.90	89.40	6.59	6.55	3.47	3.61	5.0	5.0
			14:16	3.5	1.0	26.53		7.54		33.64		88.90		6.51		3.74		5.0	
	28/10/2024	Fine	16:58	3.5	1.0	26.04	25.97	7.93	7.94	34.12	34.10	99.50	98.60	6.75	6.70	8.24	8.11	18.8	18.4
			16:59	3.5	1.0	25.89		7.94		34.07		97.70		6.64		7.98		18.0	
	30/10/2024	Fine	17:24	3.5	1.0	26.25	26.28	7.99	7.99	34.02	34.00	86.90	85.90	6.60	6.56	6.73	6.64	3.8	4.2
			17:25	3.5	1.0	26.31		7.99		33.98		84.90		6.51		6.54		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.



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	7/10/2024	Fine	14:24	3.7	2.7	28.30	28.25	7.87	7.87	32.37	32.28	89.80	89.10	6.73	6.68	6.31	6.42	3.2	3.3
			14:25	3.7	2.7	28.20		7.87		32.37		89.40		6.62		6.34		3.4	
	9/10/2024	Fine	7:11	3.8	2.8	27.50	27.40	7.86	7.86	32.49	32.62	91.70	90.95	6.62	6.61	6.02	6.07	5.7	5.4
			7:12	3.3	2.3	27.30		7.85		32.74		90.20		6.60		6.12		5.1	
	12/10/2024	Fine	7:23	3.8	2.8	27.90	27.85	7.92	7.92	32.80	32.84	87.60	88.30	6.43	6.48	8.25	8.52	9.4	9.9
			7:24	3.8	2.8	27.80		7.91		32.87		89.00		6.52		8.78		10.4	
	14/10/2024	Fine	9:09	3.8	2.8	28.10	28.15	7.90	7.90	32.23	32.37	95.80	96.00	6.63	6.66	4.67	4.44	6.4	5.9
			9:10	3.8	2.8	28.20		7.90		32.50		96.20		6.68		4.21		5.3	
	16/10/2024	Fine	10:49	3.8	2.9	27.90	27.90	7.95	7.96	32.43	32.43	88.80	88.50	6.48	6.44	3.73	3.62	3.0	3.4
			10:50	3.9	2.9	27.90		7.97		32.43		88.20		6.39		3.50		3.8	
	18/10/2024	Fine	12:05	3.8	2.8	28.54	28.64	7.90	7.90	33.47	33.30	101.20	100.50	6.70	6.68	3.55	3.70	3.6	3.4
			12:06	3.8	2.8	28.74		7.89		33.12		99.80		6.66		3.84		3.2	
	21/10/2024	Cloudy	15:00	3.8	2.8	28.56	28.72	7.84	7.84	31.80	31.95	106.20	105.35	6.82	6.78	5.73	5.45	4.9	5.2
			15:01	3.8	2.8	28.87		7.84		32.09		104.50		6.73		5.16		5.4	
	23/10/2024	Cloudy	7:08	3.6	2.6	28.70	26.72	7.63	7.62	32.84	32.89	97.00	97.45	6.59	6.61	5.38	5.25	9.8	9.5
			7:09	3.6	2.6	28.73		7.60		32.93		97.90		6.63		5.12		9.1	
	25/10/2024	Cloudy	7:17	3.8	2.8	25.47	25.61	7.87	7.88	34.25	34.15	84.80	85.35	6.59	6.64	3.87	4.04	5.3	4.9
			7:18	3.8	2.8	25.74		7.89		34.04		85.90		6.68		4.20		4.4	
	28/10/2024	Fine	9:29	3.9	2.9	25.49	25.63	7.43	7.42	33.19	33.31	93.40	93.30	6.45	6.43	8.14	8.09	42.6	41.4
			9:30	3.9	2.9	25.76		7.40		33.43		93.20		6.40		8.04		40.2	
	30/10/2024	Fine	10:40	3.8	2.8	26.52	26.63	7.95	7.96	33.35	33.35	93.40	93.60	6.66	6.68	5.80	5.96	4.0	3.4
			10:41	3.8	2.8	26.74		7.96		33.34		93.80		6.69		6.12		2.7	

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



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	7/10/2024	Fine	8:33	3.4	2.4	27.70	27.70	7.85	7.86	32.54	32.61	86.80	87.35	6.62	6.66	7.94	7.92	3.9	3.7
			8:34	3.4	2.4	27.70		7.86		32.67		87.90		6.70		7.90		3.5	
	9/10/2024	Fine	16:14	3.6	2.6	27.50	27.55	7.90	7.91	32.19	32.28	87.50	87.65	6.49	6.50	6.24	5.97	5.6	5.5
			16:15	3.6	2.6	27.60		7.91		32.36		87.80		6.51		5.69		5.4	
	12/10/2024	Fine	16:13	3.3	2.3	27.30	27.35	7.91	7.92	32.37	32.31	93.60	94.00	6.66	6.70	5.19	5.11	6.6	6.1
			16:14	3.3	2.3	27.40		7.92		32.25		94.40		6.73		5.03		5.5	
	14/10/2024	Fine	16:56	3.3	2.3	27.80	27.75	7.95	7.96	32.87	32.78	95.80	96.00	6.72	6.78	5.59	5.39	3.8	4.3
			16:57	3.3	2.3	27.70		7.96		32.69		96.20		6.83		5.19		4.8	
	16/10/2024	Fine	17:52	3.2	2.2	28.00	28.00	7.99	8.00	32.84	32.82	85.70	86.15	6.49	6.53	5.01	4.87	5.0	5.0
			17:53	3.2	2.2	28.00		8.01		32.80		86.60		6.57		4.73		5.0	
	18/10/2024	Fine	18:43	3.3	2.3	28.76	28.80	7.95	7.95	33.15	33.10	102.40	101.65	6.62	6.58	2.75	2.88	2.8	2.6
			18:44	3.3	2.3	28.84		7.95		33.04		100.90		6.53		3.01		2.4	
	21/10/2024	Cloudy	9:00	3.2	2.2	29.45	29.39	7.80	7.81	32.84	32.79	104.20	104.75	6.65	6.68	6.87	6.94	12.6	12.6
			9:01	3.2	2.2	29.33		7.82		32.73		105.30		6.70		7.01		12.5	
	23/10/2024	Cloudy	13:21	3.4	2.4	27.15	27.20	7.75	7.76	33.39	33.35	97.30	96.10	6.59	6.52	8.12	7.96	12.6	13.1
			13:22	3.4	2.4	27.25		7.76		33.31		94.90		6.44		7.80		13.6	
	25/10/2024	Cloudy	14:17	3.5	2.5	26.60	26.65	7.56	7.57	33.28	33.20	89.60	89.90	6.46	6.51	4.73	4.59	5.4	5.5
			14:18	3.5	2.5	26.69		7.57		33.12		90.20		6.55		4.45		5.6	
	28/10/2024	Fine	17:00	3.5	2.5	26.37	26.22	7.92	7.93	34.24	34.15	97.20	96.10	6.62	6.53	7.53	7.39	18.2	18.0
			17:01	3.5	2.5	26.06		7.93		34.06		95.00		6.44		7.24		17.8	
	30/10/2024	Fine	17:26	3.5	2.5	25.89	25.99	7.99	7.90	33.81	33.82	86.60	85.70	6.67	6.63	8.46	8.55	5.4	5.6
			17:27	3.5	2.5	26.09		7.80		33.82		84.80		6.59		8.64		5.8	

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



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
SR5	7/10/2024	Fine	14:14	4.1	1.0	28.40	28.45	7.87	7.87	32.39	32.45	86.40	87.10	6.48	6.51	7.37	7.20	2.3	2.6
			14:15	4.1	1.0	28.50		7.87		32.51		87.80		6.53		7.02		2.8	
	9/10/2024	Fine	7:18	4.1	1.0	27.60	27.60	7.86	7.87	32.62	32.56	91.00	90.10	6.61	6.59	5.74	5.79	5.1	5.3
			7:19	3.8	1.0	27.60		7.87		32.50		89.20		6.57		5.84		5.1	
	12/10/2024	Fine	7:31	4.1	1.0	28.00	27.95	7.93	7.93	32.59	32.67	90.20	89.50	6.59	6.54	6.57	6.72	8.0	8.2
			7:32	4.1	1.0	27.90		7.93		32.74		88.80		6.48		6.87		8.4	
	14/10/2024	Fine	9:16	4.1	1.0	28.30	28.25	7.90	7.90	31.74	31.82	92.90	93.55	6.47	6.51	3.49	3.25	4.0	4.4
			9:17	4.1	1.0	28.20		7.89		31.89		94.20		6.55		3.01		4.8	
	16/10/2024	Fine	10:57	3.9	1.0	27.60	27.60	7.94	7.94	32.49	32.47	90.20	89.70	6.58	6.55	4.20	4.34	3.7	3.7
			10:58	4.4	1.0	27.60		7.93		32.44		89.20		6.51		4.47		3.6	
	18/10/2024	Fine	12:11	3.9	1.0	28.84	28.74	7.96	7.96	32.89	32.97	102.60	103.10	6.76	6.81	2.42	2.58	2.7	2.9
			12:12	3.9	1.0	28.63		7.95		33.04		103.60		6.86		2.74		3.0	
	21/10/2024	Cloudy	14:49	4.2	1.0	28.42	28.40	7.85	7.85	32.25	32.15	101.50	100.90	6.54	6.48	4.37	4.19	6.5	6.0
			14:50	4.2	1.0	28.37		7.84		32.04		100.30		6.42		4.00		5.4	
	23/10/2024	Cloudy	7:16	3.8	1.0	26.84	26.84	7.62	7.63	33.40	33.32	96.80	96.90	6.56	6.57	6.87	7.03	10.8	11.3
			7:17	3.8	1.0	26.83		7.63		33.24		97.00		6.57		7.19		11.8	
	25/10/2024	Cloudy	7:25	4.0	1.0	25.60	25.55	7.88	7.87	33.73	33.79	87.50	88.05	6.69	6.71	5.12	4.4	4.4	4.5
			7:26	4.0	1.0	25.49		7.86		33.84		88.60		6.72		4.74		4.6	
	28/10/2024	Fine	9:38	4.1	1.0	26.02	26.20	7.58	7.54	33.50	33.38	98.00	98.85	6.78	6.81	8.24	8.19	15.7	15.5
			9:39	4.1	1.0	26.37		7.58		33.25		99.70		6.84		8.14		15.2	
	30/10/2024	Fine	10:47	4.0	1.0	27.01	26.98	7.97	7.97	33.74	33.85	93.20	92.95	6.58	6.56	5.04	4.89	3.4	4.0
			10:48	4.0	1.0	26.95		7.97		33.96		92.70		6.54		4.73		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.



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
SR5	7/10/2024	Fine	8:39	3.8	1.0	27.80	27.85	7.85	7.85	32.39	32.35	86.50	86.85	6.59	6.62	8.95	8.94	4.2	4.0
			8:40	3.8	1.0	27.90		7.85		32.30		87.20		6.64		8.93		3.8	
	9/10/2024	Fine	16:03	4.1	1.0	27.80	27.65	7.92	7.92	32.17	32.11	90.20	89.55	6.64	6.61	5.51	5.35	5.2	5.6
			16:04	4.1	1.0	27.50		7.92		32.04		88.90		6.58		5.19		6.0	
	12/10/2024	Fine	16:01	3.7	1.0	27.50	27.45	7.93	7.94	31.89	31.92	90.60	90.40	6.58	6.57	5.94	5.85	5.5	5.3
			16:02	3.7	1.0	27.40		7.94		31.85		90.20		6.55		5.76		5.1	
	14/10/2024	Fine	16:45	3.6	1.0	27.60	27.65	7.95	7.96	32.94	32.89	92.90	93.55	6.54	6.58	4.67	4.50	4.5	4.2
			16:46	3.6	1.0	27.70		7.96		32.83		94.20		6.62		4.33		3.9	
	16/10/2024	Fine	17:39	3.7	1.0	28.10	28.10	7.98	7.98	32.71	32.70	89.60	89.00	6.56	6.53	2.84	2.74	3.6	3.8
			17:40	3.7	1.0	28.10		7.98		32.69		88.40		6.50		2.64		4.0	
	18/10/2024	Fine	18:32	3.5	1.0	28.99	29.01	7.96	7.95	33.45	33.41	102.10	102.85	6.60	6.65	3.16	3.20	3.2	3.0
			18:33	3.5	1.0	29.02		7.94		33.36		103.60		6.69		3.24		2.7	
	21/10/2024	Cloudy	9:07	3.8	1.0	29.25	29.38	7.81	7.82	31.81	31.90	102.20	102.55	6.49	6.52	6.25	6.14	12.6	12.0
			9:08	3.8	1.0	29.50		7.82		31.99		102.90		6.55		6.02		11.4	
	23/10/2024	Cloudy	13:19	3.6	1.0	26.84	26.90	7.77	7.78	33.64	33.75	96.30	97.90	6.48	6.57	7.59	7.50	13.0	12.7
			13:20	3.6	1.0	26.95		7.78		33.86		99.50		6.65		7.40		12.3	
	25/10/2024	Cloudy	14:05	3.6	1.0	26.34	26.28	7.59	7.58	33.28	33.34	86.90	87.05	6.00	6.29	4.02	3.86	5.9	5.1
			14:06	3.6	1.0	26.22		7.57		33.39		87.20		6.57		3.70		4.3	
	28/10/2024	Fine	16:46	3.8	1.0	25.51	25.48	7.91	7.91	34.14	33.93	95.30	96.25	6.90	6.56	7.37	7.19	17.3	17.7
			16:47	3.8	1.0	25.44		7.90		33.72		97.20		6.62		7.00		18.1	
	30/10/2024	Fine	17:15	3.6	1.0	26.13	26.30	7.97	7.98	33.48	33.41	91.00	90.30	6.75	6.72	5.57	5.73	6.4	5.2
			17:16	3.6	1.0	26.47		7.98		33.34		89.60		6.69		5.89		4.0	

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



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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR5	7/10/2024	Fine	14:17	4.1	3.1	28.40	28.35	7.88	7.89	32.73	32.67	89.80	90.30	6.62	6.65	7.81	7.93	3.0	3.3
			14:18	4.1	3.1	28.30		7.89		32.60		90.80		6.68		7.85		3.5	
	9/10/2024	Fine	7:20	3.8	2.8	27.60	27.70	7.86	7.85	32.25	32.28	90.40	91.15	6.68	6.72	6.02	6.22	4.6	4.3
			7:21	3.8	2.8	27.80		7.84		32.30		91.90		6.75		6.42		4.0	
	12/10/2024	Fine	7:34	4.1	3.1	27.90	27.90	7.93	7.93	32.49	32.51	89.30	88.80	6.51	6.48	7.21	7.35	9.4	9.5
			7:35	4.1	3.1	27.90		7.92		32.52		88.30		6.45		7.49		9.6	
	14/10/2024	Fine	9:19	4.1	3.1	28.30	28.35	7.89	7.89	32.00	32.02	98.60	98.10	6.75	6.69	3.72	3.98	6.0	5.7
			9:20	4.1	3.4	28.40		7.88		32.04		97.60		6.62		4.24		5.4	
	16/10/2024	Fine	11:00	3.9	3.4	27.80	27.70	7.93	7.93	32.43	32.47	89.00	89.70	6.48	6.53	4.84	4.67	3.3	3.3
			11:01	4.4	3.4	27.60		7.93		32.50		90.40		6.58		4.50		3.3	
	18/10/2024	Fine	12:13	3.9	2.9	28.56	28.67	7.95	7.96	33.94	33.86	100.60	100.20	6.61	6.58	4.12	4.02	4.5	3.9
			12:14	3.9	2.9	28.78		7.96		33.78		99.80		6.54		3.91		3.2	
	21/10/2024	Cloudy	14:52	4.2	3.2	28.79	28.89	7.83	7.83	31.64	31.80	98.40	98.60	6.33	6.36	4.16	4.20	5.8	6.1
			14:53	4.2	3.2	28.99		7.83		31.95		98.80		6.39		4.24		6.4	
	23/10/2024	Cloudy	7:18	3.8	2.8	26.94	26.77	7.82	7.61	33.04	33.08	99.30	99.50	6.67	6.71	5.09	5.02	9.8	9.6
			7:19	3.8	2.8	26.59		7.80		33.12		99.70		6.75		4.95		9.3	
	25/10/2024	Cloudy	7:28	4.0	3.0	25.74	25.78	7.87	7.87	33.99	33.95	90.70	89.85	6.71	6.70	4.50	4.72	5.7	5.4
			7:29	4.0	3.0	25.81		7.87		33.90		89.00		6.68		4.94		5.1	
	28/10/2024	Fine	9:41	4.1	3.1	26.54	26.33	7.63	7.62	33.74	33.82	94.20	94.40	6.48	6.51	7.98	7.86	16.2	16.2
			9:42	4.1	3.1	26.11		7.61		33.89		94.60		6.53		7.73		16.1	
	30/10/2024	Fine	10:50	4.0	3.0	27.12	27.00	7.96	7.96	33.64	33.69	96.00	96.60	6.76	6.78	5.36	5.55	3.3	2.7
			10:51	4.0	3.0	26.87		7.96		33.73		97.20		6.80		5.73		2.1	

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 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	7/10/2024	Fine	8:41	3.8	2.8	27.90	27.90	7.85	7.86	32.24	32.27	87.90	87.50	6.67	6.63	6.73	6.58	4.6	4.8
			8:42	3.8	2.8	27.90		7.86		32.30		87.10		6.58		6.43		5.0	
	9/10/2024	Fine	16:06	4.1	3.1	27.60	27.65	7.89	7.89	31.98	32.00	86.40	86.50	6.44	6.45	5.12	5.44	5.8	6.1
			16:07	4.1	3.1	27.70		7.88		32.02		86.60		6.45		5.75		6.4	
	12/10/2024	Fine	16:03	3.7	2.7	27.50	27.50	7.92	7.92	32.05	32.10	89.20	89.60	6.49	6.50	6.02	6.20	5.0	5.5
			16:04	3.7	2.7	27.50		7.91		32.14		90.00		6.51		6.37		6.0	
	14/10/2024	Fine	16:47	3.6	2.6	27.80	27.85	7.96	7.97	33.02	33.01	98.60	98.10	6.91	6.86	4.94	4.73	3.2	2.8
			16:48	3.6	2.6	27.90		7.97		32.99		97.60		6.80		4.52		2.4	
	16/10/2024	Fine	17:41	3.7	2.7	28.10	28.05	7.97	7.98	32.79	32.80	89.30	88.35	6.72	6.61	3.97	4.05	5.4	4.9
			17:42	3.7	2.7	28.00		7.98		32.80		87.40		6.50		4.13		4.3	
	18/10/2024	Fine	18:34	3.5	2.5	28.97	29.05	7.96	7.96	33.42	33.41	101.20	100.30	6.49	6.43	3.54	3.43	2.0	2.5
			18:35	3.5	2.5	29.13		7.96		33.40		99.40		6.37		3.31		2.9	
	21/10/2024	Cloudy	9:09	3.8	2.8	29.54	29.40	7.80	7.81	32.54	32.59	103.80	103.95	6.59	6.60	6.98	6.44	13.7	14.9
			9:10	3.8	2.8	29.26		7.82		32.64		104.10		6.61		5.89		16.0	
	23/10/2024	Cloudy	13:21	3.6	2.6	27.06	27.03	7.80	7.79	33.74	33.62	99.70	99.60	6.71	6.71	7.44	7.65	12.4	11.7
			13:22	3.6	2.6	27.00		7.77		33.49		99.50		6.70		7.86		11.0	
	25/10/2024	Cloudy	14:07	3.6	2.6	26.25	26.21	7.59	7.59	33.54	33.40	89.00	87.90	6.70	6.67	3.38	3.43	5.6	5.9
			14:08	3.6	2.6	26.17		7.58		33.26		86.80		6.64		3.47		6.1	
	28/10/2024	Fine	16:48	3.8	2.8	25.37	25.20	7.92	7.91	34.12	33.99	96.10	95.70	6.52	6.50	7.45	7.60	18.5	18.8
			16:49	3.8	2.8	25.02		7.90		33.86		95.30		6.47		7.74		19.1	
	30/10/2024	Fine	17:17	3.6	2.6	26.50	26.39	7.96	7.97	33.12	33.28	90.30	90.85	6.70	6.74	7.01	7.13	11.4	10.8
			17:18	3.6	2.6	26.27		7.97		33.43		91.40		6.77		7.25		10.2	

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
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR6	7/10/2024	Fine	14:05	2.6	1.3	28.50	28.45	7.89	7.89	32.74	32.69	82.60	82.10	6.20	6.18	7.12	7.26	3.4	3.8
			14:06	2.6	1.3	28.40		7.88		32.63		81.60		6.18		7.39		4.1	
	9/10/2024	Fine	7:28	2.6	1.3	27.30	27.25	7.86	7.85	32.19	32.17	91.90	92.10	6.71	6.74	5.51	5.38	5.1	5.1
			7:29	2.6	1.3	27.20		7.84		32.15		92.70		6.77		5.24		5.1	
	12/10/2024	Fine	7:40	2.7	1.4	27.80	27.80	7.94	7.95	33.02	33.08	88.60	87.55	6.38	6.31	6.89	7.01	10.7	9.9
			7:41	2.7	1.4	27.80		7.95		33.14		86.50		6.23		7.12		9.0	
	14/10/2024	Fine	9:27	2.7	1.4	28.50	28.45	7.86	7.87	31.95	31.95	92.80	93.00	6.32	6.34	4.73	4.42	6.8	6.7
			9:28	2.7	1.4	28.40		7.87		31.94		93.20		6.36		4.11		6.6	
	16/10/2024	Fine	11:08	2.7	1.4	28.00	27.95	7.94	7.94	32.19	32.20	86.20	86.10	6.32	6.31	3.61	3.81	3.8	3.8
			11:09	2.7	1.4	27.90		7.94		32.21		86.00		6.30		4.01		3.8	
	18/10/2024	Fine	12:22	2.7	1.4	28.90	29.02	7.96	7.96	33.51	33.63	96.30	95.85	6.29	6.20	4.45	4.61	3.6	4.0
			12:23	2.7	1.4	29.13		7.95		33.75		95.40		6.11		4.77		4.3	
	21/10/2024	Cloudy	14:37	2.8	1.4	28.37	28.31	7.84	7.84	31.87	31.95	99.40	98.55	6.36	6.31	6.74	6.64	6.0	6.0
			14:38	2.8	1.4	28.25		7.84		32.03		97.70		6.25		6.53		6.0	
	23/10/2024	Cloudy	7:26	2.4	1.2	26.87	26.71	7.65	7.66	33.86	33.51	94.00	95.80	6.30	6.34	6.64	6.73	9.1	8.1
			7:27	2.4	1.2	26.55		7.67		33.16		97.60		6.37		6.82		7.6	
	25/10/2024	Cloudy	7:26	2.6	1.3	24.98	25.00	7.89	7.89	34.24	34.20	86.60	87.95	6.45	6.51	4.14	4.13	5.0	5.0
			7:36	2.6	1.3	25.01		7.89		34.16		89.30		6.56		4.11		4.9	
	28/10/2024	Fine	9:49	2.6	1.3	26.14	26.12	7.72	7.71	34.25	34.15	91.40	90.95	6.27	6.23	7.37	7.20	14.6	14.7
			9:50	2.6	1.3	26.09		7.69		34.04		90.50		6.19		7.02		14.7	
	30/10/2024	Fine	10:57	2.5	1.3	26.95	26.90	7.96	7.96	33.74	33.79	89.60	89.80	6.39	6.40	6.67	6.68	2.7	3.1
			10:58	2.5	1.3	26.84		7.96		33.84		90.00		6.40		6.69		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 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	7/10/2024	Fine	8:48	2.4	1.2	27.80	27.85	7.87	7.88	32.31	32.25	82.20	82.80	6.13	6.18	5.83	5.72	2.9	3.0
			8:49	2.4	1.2	27.90		7.88		32.19		83.40		6.23		5.60		3.1	
	9/10/2024	Fine	15:52	2.8	1.4	27.50	27.40	7.89	7.90	32.48	32.39	84.20	83.90	6.30	6.25	5.02	4.96	4.8	5.0
			15:53	2.8	1.4	27.30		7.91		32.30		83.60		6.20		4.89		5.1	
	12/10/2024	Fine	16:50	2.3	1.2	27.30	27.25	7.90	7.91	32.79	32.69	86.80	85.65	6.24	6.22	7.12	6.87	6.2	5.9
			16:51	2.3	1.2	27.20		7.92		32.59		84.50		6.19		6.62		5.6	
	14/10/2024	Fine	16:33	2.2	1.1	27.90	27.90	7.94	7.94	33.43	33.34	92.80	93.00	6.53	6.55	6.02	5.83	1.4	1.7
			16:34	2.2	1.1	27.90		7.93		33.24		93.20		6.57		5.63		1.9	
	16/10/2024	Fine	17:27	2.3	1.2	28.30	28.25	7.97	7.97	32.47	32.54	84.90	84.85	6.36	6.36	2.67	2.52	3.8	3.5
			17:28	2.3	1.2	28.20		7.96		32.60		84.80		6.36		2.37		3.1	
	18/10/2024	Fine	18:21	2.3	1.2	28.25	28.34	7.98	7.99	33.45	33.55	99.80	99.55	6.44	6.42	3.80	3.96	2.9	2.8
			18:22	2.3	1.2	28.42		8.00		33.64		99.30		6.39		4.12		2.6	
	21/10/2024	Cloudy	9:18	2.6	1.3	29.28	29.24	7.80	7.80	32.54	32.64	101.40	100.71	6.43	6.40	6.74	6.88	13.8	14.2
			9:19	2.6	1.3	29.20		7.80		32.74		100.02		6.36		7.02		14.6	
	23/10/2024	Cloudy	13:10	2.3	1.2	27.19	27.20	7.81	7.80	33.84	33.68	95.50	94.55	6.44	6.39	6.70	6.42	13.3	12.6
			13:11	2.3	1.2	27.20		7.78		33.51		93.60		6.34		6.14		11.8	
	25/10/2024	Cloudy	13:53	2.3	1.2	26.04	26.03	7.60	7.60	33.40	33.41	87.20	87.75	6.30	6.35	2.89	2.91	6.0	5.3
			13:54	2.3	1.2	26.02		7.59		33.42		88.30		6.39		2.93		4.6	
	28/10/2024	Fine	16:37	2.3	1.2	25.89	25.82	7.92	7.93	34.12	33.99	93.30	92.50	6.29	6.26	8.56	8.34	23.2	23.6
			16:38	2.3	1.2	25.74		7.94		33.86		91.70		6.23		8.12		24.0	
	30/10/2024	Fine	17:04	2.3	1.2	26.01	26.02	7.97	7.97	34.12	34.05	89.20	89.10	6.49	6.53	7.98	7.62	9.0	8.9
			17:05	2.3	1.2	26.02		7.97		33.98		89.00		6.56		7.25		8.8	

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



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	7/10/2024	Fine	13:51	4.3	1.0	28.40	28.35	7.82	7.83	32.19	32.26	89.10	89.25	6.74	6.68	6.21	6.05	4.1	3.3
			13:52	4.3	1.0	28.30		7.82		32.33		88.40		6.62		5.89		2.5	
			7:45	3.9	1.0	27.40		7.91		32.81		89.40		6.59		3.22		3.8	
	9/10/2024	Fine	7:46	3.9	1.0	27.30	27.35	7.90	7.91	32.71	32.76	88.80	89.10	6.55	6.57	3.48	3.35	3.0	3.4
			7:56	4.2	1.0	27.60		7.90		32.65		86.80		6.30		7.19		12.3	
			7:57	4.2	1.0	27.50		7.91		32.49		86.50		6.29		7.58		14.5	
	14/10/2024	Fine	9:43	4.1	1.0	28.30	28.25	7.92	7.93	32.16	32.23	91.70	91.95	6.59	6.64	5.73	5.49	3.4	2.9
			9:44	4.1	1.0	28.20		7.93		32.29		92.20		6.68		5.25		2.3	
			11:25	4.1	1.0	27.90		7.95		32.87		91.20		6.64		3.57		1.5	
	16/10/2024	Fine	11:26	4.3	1.0	27.80	27.85	7.96	7.96	32.61	32.74	90.60	90.90	6.59	6.62	3.25	3.41	1.0	1.3
			12:40	4.1	1.0	28.49		7.00		33.59		105.40		6.75		3.25		1.2	
			12:41	4.1	1.0	28.99		7.99		33.57		107.10		6.88		2.97		1.8	
	21/10/2024	Cloudy	14:27	4.3	1.0	29.17	29.33	7.84	7.84	32.94	32.87	105.80	103.45	6.78	6.72	7.74	7.66	5.5	5.7
			14:28	4.3	1.0	29.48		7.83		32.80		101.10		6.65		7.58		5.9	
			7:42	3.9	1.0	27.24		7.80		33.84		102.60		6.87		5.27		7.0	
	23/10/2024	Cloudy	7:43	3.9	1.0	27.13	27.19	7.81	7.81	33.66	33.75	100.70	101.65	6.79	6.80	5.02	5.15	6.0	6.5
			8:45	4.1	1.0	26.08		7.80		33.28		88.70		6.64		7.49		6.0	
			8:46	4.1	1.0	26.08		7.82		33.12		87.60		6.61		7.03		5.8	
	28/10/2024	Fine	10:06	4.2	1.0	25.59	25.47	7.79	7.80	33.71	33.64	94.30	95.05	6.56	6.61	8.47	8.36	18.6	18.1
			10:07	4.2	1.0	25.34		7.81		33.56		95.80		6.66		8.24		17.5	
			11:14	4.1	1.0	26.37		7.96		33.41		93.20		6.58		8.42		8.5	
	30/10/2024	Fine	11:15	4.1	1.0	26.54	26.46	7.96	7.96	33.24	33.33	93.60	93.40	6.60	6.59	8.23	8.33	10.0	9.3

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

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	7/10/2024	Fine	9:06	3.8	1.0	28.20	28.30	7.82	7.83	32.40	32.51	89.60	89.00	6.64	6.58	7.45	7.25	3.4	3.0
			9:07	3.8	1.0	28.40		7.83		32.61		88.40		6.52		7.04		2.6	
			15:36	4.2	1.0	27.90		7.97		32.61		88.40		6.58		4.95		4.5	
	9/10/2024	Fine	15:37	4.2	1.0	27.70	27.80	7.96	7.97	32.86	32.74	87.80	88.10	6.49	6.54	4.65	4.80	3.6	4.1
			15:34	3.7	1.0	27.70		7.93		32.39		90.40		6.56		6.12		5.2	
			15:35	3.7	1.0	27.60		7.94		32.56		89.20		6.47		5.87		5.8	
	14/10/2024	Fine	16:16	3.7	1.0	27.40	27.50	7.96	7.96	32.74	32.67	92.20	92.80	6.58	6.62	6.89	6.78	10.4	10.3
			16:17	3.7	1.0	27.60		7.95		32.59		93.40		6.65		6.67		10.1	
			17:11	3.7	1.0	28.10		7.97		32.91		87.80		6.54		4.64		1.9	
	16/10/2024	Fine	17:12	3.7	1.0	26.00	28.05	7.97	7.97	32.80	32.86	85.60	86.70	6.44	6.49	4.35	4.50	2.2	2.1
			18:06	3.7	1.0	29.24		8.00		33.41		101.10		6.60		3.74		1.4	
			18:07	3.7	1.0	29.08		8.01		33.61		103.70		6.67		3.56		1.9	
	21/10/2024	Cloudy	9:33	4.0	1.0	30.02	29.92	7.83	7.83	32.14	32.08	105.70	104.00	6.72	6.66	4.07	4.16	3.6	3.4
			9:34	4.0	1.0	29.82		7.83		32.01		102.30		6.59		4.25		3.1	
			12:54	3.7	1.0	27.78		7.79		33.08		96.80		6.49		3.24		7.4	
	23/10/2024	Cloudy	12:55	3.7	1.0	27.52	27.65	7.79	7.79	33.20	33.14	98.60	97.70	6.61	6.55	2.72	2.98	7.3	7.4
			13:37	3.7	1.0	26.74		7.61		33.74		91.00		6.62		6.24		6.6	
			13:38	3.7	1.0	26.62		7.63		33.59		89.90		6.50		6.38		5.4	
	28/10/2024	Fine	16:19	3.8	1.0	26.37	26.28	7.82	7.83	33.54	33.58	97.40	97.00	6.62	6.60	7.42	7.27	20.7	21.6
			16:20	3.8	1.0	26.18		7.83		33.62		96.60		6.58		7.12		22.4	
			16:48	3.7	1.0	26.09		7.98		33.84		94.60		6.79		8.71		10.3	
	30/10/2024	Fine	16:49	3.7	1.0	26.18	26.14	7.97	7.98	33.63	33.74	94.90	94.75	6.81	6.80	8.95	8.83	11.5	10.9

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



Impact Water Quality Monitoring at Station SR9 (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
SR9	7/10/2024	Fine	13:54	4.3	3.3	28.30		7.83		32.30		93.00		6.88		6.79		3.6	
			13:55	4.3	3.3	28.20	28.25	7.83		32.29		91.70	92.35	6.76		7.01		4.0	
			7:47	3.9	2.9	27.60	27.60	7.91	7.91	32.69	32.62	90.00	90.05	6.68	6.68	3.87	3.78	3.8	3.3
	9/10/2024	Fine	7:48	3.9	2.9	27.60		7.91		32.54		90.10		6.68		3.69		2.8	
			7:59	4.2	3.2	27.70		7.91		32.34		88.40		6.47		8.23		15.3	
			8:00	4.2	3.2	27.60	27.65	7.91	7.91	32.40	32.37	88.60	88.50	6.48	6.48	8.10	8.17	15.0	15.2
	14/10/2024	Fine	9:46	4.1	3.1	28.10	28.15	7.93	7.94	32.36	32.30	90.10	89.65	6.48	6.46	5.70	5.82	5.8	4.4
			9:47	4.1	3.3	28.20		7.94		32.24		89.20		6.44		5.94		3.0	
			11:28	4.1	3.3	28.00	27.95	7.96	7.96	32.56	32.41	89.40	89.65	6.48	6.50	3.47	3.50	1.1	1.3
	16/10/2024	Fine	11:29	4.3	3.3	27.90		7.96		32.25		89.90		6.52		3.52		1.4	
			12:43	4.1	3.1	29.02	29.20	8.01	8.02	33.40	33.55	99.90	101.85	6.52	6.58	3.47	3.25	1.4	1.5
			12:44	4.1	3.1	29.37		8.02		33.69		103.80		6.63		3.02		1.5	
	21/10/2024	Cloudy	14:30	4.3	3.3	29.23	29.09	7.83	7.82	32.61	32.68	106.30	104.60	6.79	6.68	7.52	7.68	5.9	6.2
			14:31	4.3	3.3	28.94		7.81		32.74		102.90		6.57		7.84		6.4	
			7:44	3.9	2.9	27.06	26.98	7.81	7.81	33.40	33.55	98.00	98.75	6.66	6.68	2.54	2.69	6.0	5.8
	23/10/2024	Cloudy	7:45	3.9	2.9	26.89		7.81		33.70		99.50		6.69		2.84		5.6	
			8:48	4.1	3.1	26.13	26.14	7.81	7.81	33.40	33.36	89.20	89.10	6.71	6.71	5.84	5.68	5.2	5.3
			8:49	4.1	3.1	26.14		7.81		33.32		89.00		6.70		5.52		5.3	
	28/10/2024	Fine	10:09	4.2	3.2	25.59	25.64	7.80	7.80	33.70	33.71	93.40	94.05	6.46	6.48	9.06	9.22	19.2	19.1
			10:10	4.2	3.2	25.68		7.79		33.72		94.70		6.50		9.37		19.0	
			11:17	4.1	3.1	26.81	26.77	7.96	7.96	33.15	33.13	95.80	96.70	6.74	6.80	8.02	8.20	10.8	13.0
	30/10/2024	Fine	11:18	4.1	3.1	26.73		7.95		33.10		97.60		6.86		8.37		15.1	

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



Impact Water Quality Monitoring at Station SR9 (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
SR9	7/10/2024	Fine	9:08	3.8	2.8	28.20	28.20	7.81	7.82	32.42	32.39	87.80	87.10	6.50	6.46	5.16	5.30	3.7	4.1
			9:09	3.8	2.8	28.20		7.82		32.35		86.40		6.42		5.43		4.5	
			15:39	4.2	3.2	27.80	27.85	7.94	7.94	32.98	32.89	87.50	87.80	6.48	6.52	4.89	4.96	3.4	4.0
	9/10/2024	Fine	15:40	4.2	3.2	27.90		7.94		32.79		88.10		6.55		5.02		4.6	
			15:36	3.7	2.7	27.70	27.70	7.93	7.93	32.19	32.21	90.80	90.70	6.60	6.60	5.63	5.79	4.9	5.2
			15:37	3.7	2.7	27.70		7.92		32.23		90.60		6.59		5.94		5.4	
	14/10/2024	Fine	16:18	3.7	2.7	27.60	27.55	7.96	7.97	32.89	32.91	91.60	91.80	6.52	6.54	7.76	7.86	11.0	10.5
			16:19	3.7	2.7	27.50		7.97		32.92		92.00		6.55		7.95		10.0	
			17:13	3.7	2.7	28.00	28.00	7.98	7.98	32.84	32.82	87.20	86.90	6.55	6.52	4.67	4.81	1.2	1.7
	16/10/2024	Fine	17:14	3.7	2.7	28.00		7.98		32.79		86.60		6.49		4.94		2.1	
			18:08	3.7	2.7	29.13	29.19	8.00	8.00	32.95	32.91	99.20	100.70	6.48	6.54	3.98	4.11	1.9	1.6
			18:09	3.7	2.7	29.25		7.99		32.87		102.20		6.59		4.24		1.3	
	21/10/2024	Cloudy	9:36	4.0	3.0	29.74	29.67	7.82	7.82	31.54	31.64	103.70	102.45	6.76	6.65	5.74	5.69	7.6	7.2
			9:37	4.0	3.0	29.59		7.81		31.73		101.20		6.53		5.64		6.8	
			12:56	3.7	2.7	27.80	27.77	7.80	7.80	33.15	33.13	99.10	98.35	6.67	6.62	2.86	2.99	7.3	7.4
	23/10/2024	Cloudy	12:57	3.7	2.7	27.74		7.79		33.10		97.60		6.57		3.12		7.5	
			13:39	3.7	2.7	26.82	26.88	7.64	7.64	33.87	33.95	90.40	89.90	6.56	6.52	6.21	6.17	5.4	5.5
			13:40	3.7	2.7	26.94		7.64		34.02		89.40		6.48		6.12		5.6	
	28/10/2024	Fine	16:21	3.8	2.8	26.51	26.50	7.83	7.82	34.25	34.15	98.00	98.75	6.70	6.74	8.02	7.93	21.2	21.5
			16:22	3.8	2.8	26.48		7.80		34.05		99.50		6.77		7.84		21.8	
			16:50	3.7	2.7	26.29	26.27	7.97	7.97	34.18	34.22	89.20	89.95	6.61	6.64	9.04	8.96	13.2	13.7
	30/10/2024	Fine	16:51	3.7	2.7	26.25		7.97		34.25		90.70		6.66		8.87		14.2	

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



Impact Water Quality Monitoring at Station SR10 (Middle) - 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	7/10/2024	Fine	13:43	2.8	1.4	28.00	28.10	7.83	7.84	32.17	32.28	90.40	91.35	6.69	6.79	6.21	6.22	2.9	3.0
			13:44	2.9	1.4	28.20		7.84	7.84	32.38		92.30		6.68		6.22		3.0	
	9/10/2024	Fine	7:55	2.7	1.4	27.40	27.35	7.92	7.92	32.64	32.68	87.00	87.30	6.35	6.37	4.87	4.67	2.6	2.7
			7:56	2.5	1.3	27.30		7.91		32.71		87.60		6.39		4.46		2.5	
	12/10/2024	Fine	8:05	2.7	1.4	27.60	27.65	7.89	7.90	32.25	32.22	85.10	84.85	6.26	6.21	8.95	8.98	16.6	14.9
			8:06	2.7	1.4	27.70		7.90		32.19		84.60		6.16	6.21	9.00		13.1	
	14/10/2024	Fine	9:54	2.7	1.4	28.20	28.25	7.92	7.92	32.36	32.30	91.20	91.45	6.50	6.52	7.02	6.80	5.9	5.4
			9:55	2.7	1.4	28.30		7.92		32.23		91.70		6.53		6.58		4.9	
	16/10/2024	Fine	11:36	2.7	1.4	27.80	27.80	7.95	7.96	32.36	32.47	87.60	87.40	6.40	6.38	4.24	4.07	<1.0	1.0
			11:37	2.8	1.4	27.80		7.96		32.57		87.20		6.35		3.90		<1.0	
	18/10/2024	Fine	12:51	2.7	1.4	29.19	29.21	7.98	7.98	33.59	33.46	97.60	97.85	6.36	6.40	3.64	3.56	1.7	1.5
			12:52	2.7	1.4	29.22		7.98		33.33		96.10		6.43		3.47		1.2	
	21/10/2024	Cloudy	14:10	2.8	1.4	29.04	29.11	7.83	7.84	32.54	32.64	99.10	99.75	6.28	6.30	6.83	6.79	17.0	17.2
			14:11	2.8	1.4	29.17		7.84		32.74		100.40		6.31		6.74		17.3	
	23/10/2024	Cloudy	7:51	2.4	1.2	27.44	27.38	7.82	7.82	33.39	33.39	94.90	95.25	6.38	6.41	5.12	4.95	8.6	9.2
			7:52	2.4	1.2	27.31		7.82		33.38		95.60		6.43		4.78		9.7	
	25/10/2024	Cloudy	9:05	2.6	1.3	26.00	26.01	7.84	7.84	33.46	33.56	87.30	86.75	6.48	6.45	5.79	5.68	5.3	5.4
			9:06	2.6	1.3	26.02		7.83		33.66		86.20		6.42		5.56		5.4	
	28/10/2024	Fine	10:16	2.7	1.4	25.74	25.79	7.83	7.84	33.54	33.60	91.50	92.50	6.29	6.32	8.95	8.85	15.2	17.5
			10:17	2.7	1.4	25.84		7.84		33.66		93.50		6.35		8.74		19.7	
	30/10/2024	Fine	11:25	2.6	1.3	26.94	26.95	7.95	7.95	33.91	33.86	91.20	90.50	6.40	6.32	7.64	7.57	20.7	20.1
			11:26	2.6	1.3	26.95		7.94		33.81		89.80		6.23		7.49		19.5	

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



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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH -		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR10	7/10/2024	Fine	9:15	2.4	1.2	28.20	28.15	7.83	7.83	32.29	32.35	82.40	83.30	6.15	6.22	6.89	6.54	2.8	2.6
			9:16	2.4	1.2	28.10		7.83		32.41		84.20		6.29		6.19		2.4	
	9/10/2024	Fine	15:25	2.7	1.4	27.60	27.65	7.95	7.96	32.91	32.97	86.90	85.80	6.29	6.30	3.24	3.38	4.7	4.7
			15:26	2.7	1.4	27.70		7.96		33.02		84.80		6.28		3.51		4.6	
	12/10/2024	Fine	15:23	2.3	1.2	27.80	27.85	7.92	7.92	32.15	32.12	88.10	87.50	6.35	6.31	6.67	6.41	8.6	8.0
			15:24	2.3	1.2	27.90		7.91		32.08		86.90		6.27		6.15		7.4	
	14/10/2024	Fine	16:05	2.2	1.1	27.70	27.65	7.94	7.95	32.74	32.76	90.10	89.95	6.40	6.40	8.87	8.78	10.0	10.7
			16:06	2.2	1.1	27.60		7.95		32.78		89.80		6.39		8.68		11.4	
	16/10/2024	Fine	16:59	2.5	1.3	28.00	27.95	7.98	7.98	32.84	32.90	82.90	83.55	6.34	6.37	4.27	4.26	1.8	1.4
			17:00	2.5	1.3	27.90		7.97		32.95		84.20		6.39		4.25		1.0	
	18/10/2024	Fine	17:53	2.4	1.2	28.98	28.97	7.98	7.97	33.01	33.00	96.80	98.55	6.30	6.40	4.37	4.21	2.4	2.3
			17:54	2.4	1.2	28.95		7.96		32.98		100.30		6.49		4.04		2.1	
	21/10/2024	Cloudy	9:43	2.5	1.3	29.42	29.51	7.80	7.81	31.16	31.40	98.30	97.20	6.32	6.23	5.67	5.38	7.6	8.0
			9:44	2.5	1.3	29.60		7.82		31.64		96.10		6.13		5.08		8.3	
	23/10/2024	Cloudy	12:43	2.3	1.2	26.84	26.93	7.80	7.81	32.93	32.89	95.60	96.00	6.40	6.42	3.50	3.38	8.9	9.0
			12:44	2.3	1.2	27.01		7.81		32.84		96.40		6.43		3.26		9.1	
	25/10/2024	Cloudy	13:25	2.4	1.2	26.47	26.40	7.66	7.66	34.24	34.18	87.60	88.20	6.38	6.39	5.50	5.44	6.0	6.2
			13:26	2.4	1.2	26.32		7.65		34.12		88.80		6.40		5.37		6.4	
	28/10/2024	Fine	16:07	2.3	1.2	26.94	26.87	7.85	7.85	34.14	34.11	92.70	92.30	6.33	6.31	9.13	9.06	14.0	13.7
			16:08	2.3	1.2	26.80		7.84		34.07		91.90		6.28		8.99		13.3	
	30/10/2024	Fine	16:37	2.4	1.2	26.22	26.25	7.96	7.97	24.43	24.33	89.40	90.80	6.25	6.34	8.25	8.19	15.5	15.9
			16:38	2.4	1.2	26.27		7.97		24.23		92.20		6.42		8.12		16.2	

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 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	7/10/2024	Fine	13:37	2.7	1.4	28.10	28.10	7.84	7.85	32.05	32.15	93.00	92.25	7.00	6.93	5.37	5.44	2.8	2.5
			13:38	2.7	1.4	28.10		7.85	7.85	32.24		91.50		6.96		5.51		2.1	
	9/10/2024	Fine	8:01	2.7	1.4	27.60	27.55	7.91	7.92	32.63	32.59	87.40	87.65	6.46	6.47	4.81	4.88	3.2	2.9
			8:02	2.6	1.3	27.50		7.93	7.93	32.54		87.90		6.49		4.94		2.6	
	12/10/2024	Fine	8:11	2.7	1.4	27.70	27.70	7.90	7.90	32.16	32.27	87.30	87.85	6.29	6.34	9.24	9.13	14.6	14.4
			8:12	2.7	1.4	27.70		7.90	7.90	32.37		88.40		6.39		9.02		14.2	
	14/10/2024	Fine	9:59	2.6	1.3	28.20	28.20	7.91	7.92	32.39	32.40	91.30	91.65	6.50	6.52	5.61	5.78	6.6	7.0
			10:00	2.6	1.5	28.20		7.92	7.92	32.40		92.00		6.54		5.94		7.3	
	16/10/2024	Fine	11:41	2.6	1.5	27.90	27.85	7.97	7.97	32.69	32.55	86.40	87.20	6.24	6.32	4.02	4.10	<1.0	1.0
			11:42	2.9	1.5	27.80		7.96	7.96	32.41		88.00		6.39		4.17		<1.0	
	18/10/2024	Fine	12:58	2.6	1.3	29.10	29.10	7.99	8.00	33.86	33.88	100.60	100.20	6.56	6.52	3.95	4.04	1.8	1.6
			12:59	2.6	1.3	29.09		8.01	8.01	33.89		99.80		6.48		4.12		1.3	
	21/10/2024	Cloudy	14:04	2.7	1.4	29.16	29.00	7.84	7.84	32.59	32.38	95.40	95.90	6.12	6.15	6.00	6.12	15.1	14.6
			14:05	2.7	1.4	28.84		7.84	7.84	32.17		96.40		6.17		6.24		14.1	
	23/10/2024	Cloudy	7:58	2.6	1.3	27.39	27.49	7.83	7.83	33.20	33.31	92.90	92.55	6.19	6.22	4.02	4.25	8.4	8.6
			7:59	2.6	1.3	27.59		7.83	7.83	33.41		92.20		6.24		4.47		8.8	
	25/10/2024	Cloudy	9:11	2.5	1.3	25.89	25.94	7.85	7.85	33.58	33.66	85.40	85.55	6.27	6.31	5.21	5.39	7.2	7.3
			9:12	2.5	1.3	25.99		7.80	7.83	33.74		85.70		6.35		5.47		7.4	
	28/10/2024	Fine	10:23	2.7	1.4	25.60	25.54	7.84	7.83	33.29	33.40	92.20	92.00	6.31	6.25	7.98	8.06	15.8	15.4
			10:24	2.7	1.4	25.47		7.82	7.83	33.50		91.80		6.19		8.13		15.0	
	30/10/2024	Fine	11:31	2.7	1.4	26.89	26.91	7.96	7.96	34.37	34.33	87.40	87.70	6.28	6.30	7.02	7.07	20.1	19.3
			11:32	2.7	1.4	26.92		7.95	7.95	34.29		88.00		6.32		7.12		18.4	

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 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	7/10/2024	Fine	9:20	2.5	1.3	28.20	28.25	7.82	7.83	32.39	32.32	84.90	85.10	6.20	6.27	4.59	4.72	2.4	2.4
			9:21	2.5	1.3	28.30		7.83	7.83	32.25		85.30		6.34		4.84		2.4	
	9/10/2024	Fine	15:20	2.7	1.4	27.60	27.55	7.96	7.95	32.25	32.13	84.00	84.45	6.38	6.40	3.28	3.15	3.1	3.7
			15:21	2.7	1.4	27.50		7.94	7.94	32.01		84.90		6.42		3.02		4.2	
	12/10/2024	Fine	15:16	2.4	1.2	27.80	27.80	7.93	7.93	32.17	32.13	84.60	84.40	6.15	6.13	7.94	7.98	7.5	7.4
			15:17	2.4	1.2	27.80		7.92	7.93	32.09		84.20		6.11		8.02		7.2	
	14/10/2024	Fine	15:57	2.3	1.2	27.50	27.55	7.94	7.94	32.95	32.85	90.23	89.47	6.44	6.37	7.48	7.61	11.7	11.4
			15:58	2.3	1.2	27.60		7.94	7.94	32.74		88.70		6.29		7.73		11.0	
	16/10/2024	Fine	16:53	2.4	1.2	28.00	28.00	7.97	7.97	32.76	32.78	83.60	82.90	6.38	6.33	3.99	4.12	1.6	1.6
			16:54	2.4	1.2	28.00		7.97	7.97	32.80		82.20		6.28		4.24		1.5	
	18/10/2024	Fine	17:51	2.3	1.2	28.87	28.88	7.97	7.97	33.37	33.47	97.70	96.55	6.34	6.26	4.25	4.45	2.1	2.1
			17:52	2.3	1.2	28.89		7.97	7.97	33.56		95.40		6.17		4.64		2.1	
	21/10/2024	Cloudy	9:50	2.4	1.2	29.89	29.81	7.82	7.83	31.94	31.89	99.10	97.75	6.44	6.31	5.85	5.99	8.0	8.0
			9:51	2.4	1.2	29.73		7.83	7.83	31.84		96.40		6.17		6.12		8.0	
	23/10/2024	Cloudy	12:36	2.4	1.2	27.05	27.07	7.81	7.82	32.80	32.81	91.60	93.15	6.12	6.21	3.05	3.15	9.4	9.7
			12:37	2.4	1.2	27.09		7.82	7.82	32.82		94.70		6.29		3.24		9.9	
	25/10/2024	Cloudy	13:19	2.3	1.2	26.40	26.28	7.68	7.68	34.54	34.47	87.20	86.80	6.29	6.24	4.74	4.78	5.9	6.2
			13:20	2.3	1.2	26.16		7.67	7.68	34.40		86.40		6.18		4.81		6.4	
	28/10/2024	Fine	16:01	2.4	1.2	26.45	26.45	7.86	7.86	34.37	34.25	94.80	94.70	6.44	6.44	9.12	9.18	14.9	14.7
			16:02	2.4	1.2	26.44		7.86	7.86	34.12		94.60		6.43		9.24		14.4	
	30/10/2024	Fine	16:32	2.5	1.3	26.22	26.17	7.97	7.97	33.64	33.80	91.80	90.40	6.48	6.47	8.79	8.67	15.1	15.9
			16:33	2.5	1.3	26.12		7.97	7.97	33.96		89.00		6.46		8.54		16.7	

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 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	7/10/2024	Fine	14:29	2.7	1.4	28.00	28.05	7.87	7.87	32.54	32.65	89.20	88.30	6.68	6.63	6.87	6.69	2.5	2.6
			14:30	2.7	1.4	28.10		7.86		32.76		87.40		6.58		6.51		2.7	
	9/10/2024	Fine	7:03	2.5	1.3	26.90	26.85	7.88	7.87	32.73	32.84	90.20	89.30	6.46	6.44	7.37	7.47	4.8	5.1
			7:04	2.5	1.3	26.80		7.86		32.94		88.40		6.39		7.57		5.3	
	12/10/2024	Fine	7:14	2.8	1.4	27.40	27.50	7.90	7.90	32.69	32.78	87.00	87.60	6.35	6.39	7.64	7.74	9.7	10.2
			7:15	2.8	1.4	27.60		7.90		32.87		88.20		6.42		7.84		10.6	
	14/10/2024	Fine	9:00	2.8	1.4	27.90	27.90	7.92	7.92	32.08	32.10	90.40	90.00	6.56	6.53	4.25	4.08	5.4	5.6
			9:01	2.8	1.4	27.90		7.91		32.12		89.60		6.50		3.90		5.8	
	16/10/2024	Fine	10:40	2.9	1.5	27.70	27.70	7.94	7.95	32.46	32.33	85.40	86.30	6.26	6.28	3.67	3.62	3.0	2.6
			10:41	2.9	1.5	27.70		7.95		32.19		87.20		6.30		3.57		2.2	
	18/10/2024	Fine	11:55	2.6	1.3	28.37	28.45	7.98	7.99	33.94	33.84	96.40	95.85	6.39	6.35	3.89	4.01	3.4	3.5
			11:56	2.6	1.3	28.52		8.00		33.74		95.30		6.31		4.12		3.5	
	21/10/2024	Cloudy	15:06	2.8	1.4	29.00	28.99	7.84	7.84	31.74	31.85	103.00	102.35	6.60	6.58	7.84	7.78	6.3	6.4
			15:07	2.8	1.4	28.98		7.83		31.96		101.70		6.56		7.71		6.4	
	23/10/2024	Cloudy	6:59	2.5	1.3	26.50	26.62	7.62	7.62	33.33	33.33	94.60	94.80	6.32	6.33	6.89	7.00	9.4	9.5
			7:00	2.5	1.3	26.70		7.62		33.33		95.00		6.33		7.10		9.6	
	25/10/2024	Cloudy	7:08	2.6	1.3	25.24	25.28	7.86	7.87	33.89	33.81	87.90	86.80	6.29	6.22	5.96	6.10	8.2	7.5
			7:09	2.6	1.3	25.32		7.87		33.73		85.80		6.15		6.24		6.8	
	28/10/2024	Fine	9:20	2.7	1.4	25.24	25.42	7.37	7.36	33.94	33.82	94.90	94.25	6.45	6.41	9.43	9.61	50.5	49.1
			9:21	2.7	1.4	25.60		7.35		33.69		93.60		6.36		9.78		47.6	
	30/10/2024	Fine	10:30	2.7	1.4	26.70	26.77	7.96	7.96	33.08	32.99	92.60	91.75	6.46	6.41	7.74	7.67	3.0	3.3
			10:31	2.7	1.4	26.84		7.96		32.89		90.90		6.36		7.60		3.5	

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



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

Station Reference	Sampling Date	Weather	Sampling Time	Water Depth m	Sampling Depth m	Temperature °C		pH -		Salinity ppt		DO Saturation %		DO mg/L		Turbidity NTU		SS mg/L	
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
						Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG	Value	AVG
SR15	7/10/2024	Fine	8:24	2.5	1.3	27.10	27.15	7.85	7.86	32.21	32.35	82.90	83.85	6.32	6.38	7.69	7.71	4.2	4.1
			8:25	2.5	1.3	27.20		7.86		32.49		84.80		6.44		7.73		3.9	
	9/10/2024	Fine	16:19	2.8	1.4	27.20	27.30	7.95	7.95	32.38	32.30	84.10	85.20	6.26	6.34	6.35	6.24	6.4	6.4
			16:20	2.8	1.4	27.40		7.94		32.21		86.30		6.42		6.12		6.4	
	12/10/2024	Fine	16:19	2.4	1.2	27.00	27.05	7.93	7.93	32.40	32.50	89.30	88.70	6.41	6.37	6.12	5.93	6.4	6.4
			16:20	2.4	1.2	27.10		7.93		32.59		88.10		6.32		5.74		6.4	
	14/10/2024	Fine	17:02	2.3	1.2	27.60	27.65	7.97	7.97	32.42	32.46	90.40	90.00	6.57	6.54	4.24	4.55	5.7	5.2
			17:03	2.3	1.2	27.70		7.96		32.50		89.60		6.51		4.85		4.6	
	16/10/2024	Fine	17:57	2.4	1.2	27.90	27.85	7.97	7.97	32.63	32.79	83.60	83.20	6.28	6.25	4.25	4.17	3.6	3.6
			17:58	2.4	1.2	27.90		7.96		32.94		82.80		6.21		4.09		3.6	
	18/10/2024	Fine	18:49	2.2	1.1	28.89	28.83	7.97	7.98	33.27	33.21	98.20	97.35	6.38	6.29	2.32	2.46	2.8	3.0
			18:50	2.2	1.1	28.77		7.98		33.14		96.50		6.20		2.59		3.2	
	21/10/2024	Cloudy	8:50	2.5	1.3	29.83	29.63	7.82	7.82	32.54	32.28	101.20	101.55	6.42	6.45	7.98	8.05	12.7	12.5
			8:51	2.5	1.3	29.42		7.81		32.02		101.90		6.47		8.12		12.2	
	23/10/2024	Cloudy	13:37	2.4	1.2	27.23	27.16	7.73	7.73	33.38	33.61	94.20	94.95	6.31	6.34	7.99	7.92	14.8	15.1
			13:38	2.4	1.2	27.09		7.73		33.84		95.70		6.37		7.84		15.3	
	25/10/2024	Cloudy	14:22	2.3	1.2	26.58	26.48	7.53	7.54	33.08	33.04	86.80	86.60	6.26	6.30	5.64	5.36	5.4	5.7
			14:23	2.3	1.2	26.37		7.54		33.00		86.40		6.34		5.07		5.9	
	28/10/2024	Fine	17:06	2.3	1.2	25.89	25.72	7.95	7.94	33.30	33.27	94.90	93.80	6.44	6.36	8.43	8.29	19.0	19.7
			17:07	2.3	1.2	25.54		7.93		33.24		92.70		6.28		8.14		20.3	
	30/10/2024	Fine	17:32	2.4	1.2	26.18	26.22	7.94	7.95	33.76	33.86	83.60	84.10	6.47	6.48	8.58	8.66	6.1	6.1
			17:33	2.4	1.2	26.25		7.95		33.95		84.60		6.49		8.74		6.0	

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

**Impact Water Quality Monitoring at Station 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	7/10/2024	Fine	13:26	8.7	1.0	28.60	28.65	7.91	7.92	32.47	32.36	93.40	92.80	6.88	6.85	7.19	7.24	3.6	3.8
			13:27	8.7	1.0	28.70		7.92		32.25		92.40		6.91		7.28		4.0	
			8:13	8.5	1.0	27.60	27.55	7.96	7.96	32.96	32.86	92.20	93.20	6.90	6.84	4.12	4.24	6.8	5.5
	9/10/2024	Fine	8:14	8.5	1.0	27.50		7.95		32.76		94.20		6.88		4.36		4.1	
			8:23	8.6	1.0	27.70	27.65	7.93	7.92	31.34	31.45	95.40	94.40	6.83	6.74	5.89	6.06	3.4	4.0
			8:24	8.6	1.0	27.60		7.91		31.56		93.40		6.65		6.23		4.6	
	14/10/2024	Fine	10:12	8.5	1.0	28.40	28.35	7.94	7.95	32.79	32.76	98.10	97.00	6.94	6.90	4.08	4.11	5.5	5.1
			10:13	8.5	1.0	28.30		7.96		32.73		95.90		6.86		4.13		4.7	
			11:53	8.8	1.0	27.50	27.55	7.99	7.99	32.64	32.65	95.00	95.10	6.89	6.90	3.89	3.95	4.3	4.6
	16/10/2024	Fine	11:54	8.8	1.0	27.60		7.98		32.65		95.20		6.90		4.00		4.8	
			13:00	8.7	1.0	28.75	28.85	7.96	7.97	33.42	33.56	109.60	108.55	7.01	6.99	2.73	2.66	4.5	4.5
			13:01	8.7	1.0	28.94		7.97		33.69		107.50		6.96		2.59		4.4	
	21/10/2024	Cloudy	13:50	8.7	1.0	28.98	28.83	7.85	7.85	32.06	32.10	109.30	109.50	6.96	6.98	5.68	5.58	5.8	6.2
			13:51	8.7	1.0	28.67		7.85		32.14		109.70		7.00		5.47		6.5	
			8:10	8.4	1.0	27.28	27.24	7.87	7.87	33.50	33.44	107.40	106.90	7.02	7.01	4.79	4.93	10.4	11.1
	23/10/2024	Cloudy	8:11	8.4	1.0	27.19		7.86		33.37		106.40		6.99		5.07		11.8	
			9:24	8.5	1.0	26.59	26.61	7.40	7.39	33.50	33.51	89.90	88.85	6.88	6.88	1.49	1.27	2.9	3.7
			9:25	8.5	1.0	26.62		7.37		33.52		87.90		6.87		1.04		4.5	
	28/10/2024	Fine	10:35	8.7	1.0	25.71	25.72	7.92	7.91	34.01	34.01	98.50	100.60	6.82	6.94	7.02	6.96	13.2	13.4
			10:36	8.7	1.0	25.72		7.90		34.00		102.70		7.06		6.89		13.6	
			11:44	8.6	1.0	26.47	26.39	7.97	7.97	33.87	33.79	95.40	96.20	6.87	6.91	5.55	5.46	10.4	10.0
	30/10/2024	Fine	11:45	8.6	1.0	26.31		7.96		33.71		97.00		6.95		5.37		9.6	

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	7/10/2024	Fine	9:32	8.4	1.0	28.30	28.35	7.90	7.91	32.58	32.60	91.40	91.70	6.74	6.76	6.12	5.96	3.3	3.2
			9:33	8.4	1.0	28.40		7.91		32.61		92.00		6.78		5.79		3.0	
			15:07	8.7	1.0	27.00	27.00	7.99	7.99	32.99	32.98	89.40	90.00	6.86	6.78	5.90	5.64	5.2	5.2
	9/10/2024	Fine	15:08	8.7	1.0	27.00		7.98		32.97		90.60		6.69		5.38		5.2	
			15:03	8.3	1.0	28.90	28.45	7.90	7.91	32.09	32.10	94.60	93.70	6.78	6.71	5.79	5.74	5.8	5.3
			15:04	8.3	1.0	28.00		7.91		32.11		92.80		6.64		5.68		4.8	
	14/10/2024	Fine	15:45	8.2	1.0	28.00	27.95	7.98	7.98	32.33	32.28	96.20	97.30	6.83	6.91	4.29	4.44	4.9	4.6
			15:46	8.2	1.0	27.90		7.97		32.23		98.40		6.98		4.59		4.3	
			16:40	8.3	1.0	27.90		8.00		32.91		86.60		6.94		3.59		5.2	
	16/10/2024	Fine	16:41	8.3	1.0	27.80	27.85	7.99	8.00	32.88	32.90	86.20	86.40	6.81	6.83	3.74	3.67	4.3	4.8
			17:40	8.3	1.0	28.54		7.94		33.16		106.80		6.91		4.54		6.0	
			17:41	8.3	1.0	28.64	28.59	7.94	7.94	33.19	33.18	107.10	106.95	6.96	6.94	4.97	4.76	5.8	5.9
	21/10/2024	Cloudy	10:13	8.5	1.0	29.13	29.14	7.82	7.83	31.56	31.67	104.20	106.15	6.66	6.81	4.74	4.79	5.2	4.8
			10:14	8.5	1.0	29.14		7.84		31.78		108.10		6.96		4.84		4.3	
			12:25	8.2	1.0	27.74	27.63	7.84	7.85	33.62	33.60	100.10	106.05	6.74	6.81	6.24	6.32	9.3	9.3
	23/10/2024	Cloudy	12:26	8.2	1.0	27.51		7.85		33.58		112.00		6.87		6.40		9.3	
			13:07	8.3	1.0	27.24	27.18	7.53	7.58	34.14	34.08	93.70	89.10	6.98	6.99	2.04	2.07	2.4	2.7
			13:08	8.3	1.0	27.12		7.63		34.02		84.50		6.99		2.10		3.0	
	28/10/2024	Fine	15:50	8.4	1.0	26.37	26.26	7.91	7.91	34.25	34.11	101.20	101.30	6.82	6.86	7.74	7.86	17.0	17.8
			15:51	8.4	1.0	26.14		7.90		33.96		101.40		6.89		7.98		18.6	
			16:20	8.3	1.0	26.02	26.10	7.84	7.95	33.37	33.40	98.40	98.50	6.91	6.92	6.24	6.13	10.0	12.1
	30/10/2024	Fine	16:21	8.3	1.0	26.18		7.95		33.42		98.60		6.92		6.02		14.2	

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 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	7/10/2024	Fine	13:30	8.7	4.4	28.50	28.45	7.88	7.89	32.30	32.33	92.20	91.20	6.79	6.78	6.53	6.44	5.2	5.4
			13:31	8.7	4.4	28.40		7.90		32.35		90.20		6.76		6.34		5.5	
	9/10/2024	Fine	8:17	8.5	4.3	27.70	27.70	7.97	7.97	32.75	32.80	91.40	92.02	6.76	6.80	5.94	5.82	5.6	5.5
			8:18	8.5	4.3	27.70		7.97		32.85		92.63		6.84		5.69		5.3	
	12/10/2024	Fine	8:27	8.6	4.3	27.90	27.90	7.92	7.93	31.76	31.83	93.60	94.10	6.69	6.71	6.44	6.37	3.1	3.7
			8:28	8.6	4.3	27.90		7.93		31.89		94.60		6.72		6.30		4.2	
	14/10/2024	Fine	10:16	8.5	4.3	28.30	28.25	7.95	7.96	32.84	32.90	92.40	93.60	6.71	6.77	4.80	4.67	4.8	5.1
			10:17	8.5	4.3	28.20		7.96		32.95		94.80		6.83		4.54		5.3	
	16/10/2024	Fine	11:57	8.8	4.4	27.70	27.70	7.98	7.98	32.60	32.60	94.60	94.20	6.84	6.82	3.88	3.76	4.2	4.8
			11:58	8.8	4.4	27.70		7.98		32.59		93.80		6.79		3.64		5.4	
	18/10/2024	Fine	13:04	8.7	4.4	28.74	28.68	7.96	7.96	33.44	33.35	106.70	104.95	6.88	6.80	2.67	2.74	5.6	5.4
			13:05	8.7	4.4	28.62		7.96		33.26		103.20		6.72		2.81		5.1	
	21/10/2024	Cloudy	13:54	8.7	4.4	28.90	28.93	7.86	7.86	32.11	32.10	106.70	108.20	6.79	6.90	5.39	5.39	6.0	6.6
			13:55	8.7	4.4	28.95		7.85		32.09		109.70		7.01		5.38		7.1	
	23/10/2024	Cloudy	8:14	8.4	4.2	27.24	27.25	7.87	7.87	33.40	33.46	99.60	100.35	6.74	6.82	6.66	6.45	11.4	11.9
			8:15	8.4	4.2	27.28		7.87		33.52		101.10		6.99		6.24		12.4	
	25/10/2024	Cloudy	9:28	8.5	4.3	26.58	26.66	7.39	7.41	33.56	33.53	89.80	89.50	6.90	6.91	1.27	1.28	2.4	2.5
			9:29	8.5	4.3	26.74		7.42		33.49		89.20		6.92		1.29		2.6	
	28/10/2024	Fine	10:39	8.7	4.4	25.86	25.83	7.91	7.91	33.74	33.74	99.00	98.95	6.90	6.88	7.98	7.86	12.9	13.5
			10:40	8.7	4.4	25.80		7.91		33.74		98.90		6.85		7.73		14.0	
	30/10/2024	Fine	11:48	8.6	4.3	26.59	26.61	7.95	7.96	33.95	34.04	95.20	95.80	6.81	6.83	6.84	6.86	10.1	13.2
			11:49	8.6	4.3	26.63		7.96		34.12		96.40		6.84		6.87		16.2	

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 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	7/10/2024	Fine	9:36	8.4	4.2	28.40	28.40	7.90	7.90	32.37	32.43	90.80	91.05	6.66	6.69	7.97	7.98	3.9	4.9
			9:37	8.4	4.2	28.40		7.90		32.48		91.30		6.71		7.99		5.9	
	9/10/2024	Fine	15:11	8.7	4.4	27.40	27.35	7.99	7.99	32.69	32.62	96.40	96.40	6.90	6.89	5.02	5.13	4.7	5.1
			15:12	8.7	4.4	27.30		7.99		32.54		96.40		6.88		5.24		5.4	
	12/10/2024	Fine	15:07	8.3	4.2	28.10	28.05	7.91	7.91	32.14	32.30	92.80	91.25	6.70	6.76	5.54	5.39	4.6	4.8
			15:08	8.3	4.2	28.00		7.91		32.45		89.70		6.81		5.24		5.0	
	14/10/2024	Fine	15:49	8.2	4.1	27.60	27.65	7.98	7.98	32.40	32.43	94.60	95.50	6.68	6.75	5.12	5.07	6.3	3.9
			15:50	8.2	4.1	27.70		7.98		32.45		96.40		6.81		5.02		6.7	
	16/10/2024	Fine	16:44	8.3	4.2	27.90	27.90	7.98	7.98	32.86	32.87	89.40	89.15	6.74	6.77	3.61	3.78	4.9	5.2
			16:45	8.3	4.2	27.90		7.98		32.87		88.90		6.79		3.74		5.4	
	18/10/2024	Fine	17:44	8.3	4.2	28.59	28.54	7.94	7.93	32.83	32.79	104.80	104.50	6.76	6.76	5.32	5.18	4.9	5.4
			17:45	8.3	4.2	28.49		7.92		32.74		104.20		6.75		5.04		5.9	
	21/10/2024	Cloudy	10:17	8.5	4.3	29.00	29.00	7.83	7.83	31.62	31.63	108.30	106.40	6.98	6.84	4.82	4.81	5.2	5.6
			10:18	8.5	4.3	28.99		7.83		31.64		104.50		6.70		4.80		5.9	
	23/10/2024	Cloudy	12:29	8.2	4.1	27.84	27.87	7.85	7.85	33.67	33.71	102.00	102.10	6.82	6.83	6.79	6.69	10.6	11.3
			12:30	8.2	4.1	27.89		7.85		33.74		102.20		6.83		6.59		12.0	
	25/10/2024	Cloudy	13:11	8.3	4.2	27.47	27.53	7.54	7.67	33.90	33.90	93.40	93.65	6.76	6.78	2.22	2.31	3.5	3.4
			13:12	8.3	4.2	27.58		7.79		33.89		93.90		6.80		2.40		3.2	
	28/10/2024	Fine	15:54	8.4	4.2	26.14	26.20	7.92	7.93	34.14	34.20	98.60	98.50	6.76	6.76	8.04	8.02	14.4	14.9
			15:55	8.4	4.2	26.25		7.93		34.25		98.40		6.75		7.99		15.4	
	30/10/2024	Fine	16:24	8.3	4.2	26.17	26.16	7.96	7.97	34.19	34.22	98.90	98.45	6.96	6.95	5.73	5.86	17.2	18.7
			16:25	8.3	4.2	26.15		7.97		34.25		98.00		6.94		5.98		20.2	

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 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	7/10/2024	Fine	13:33	8.7	7.7	28.30	28.30	7.89	7.89	32.49	32.55	91.50	92.05	6.86	6.85	7.89	7.95	9.6	8.0
			13:34	8.7	7.7	28.30	28.30	7.88	7.88	32.61	32.55	92.60	92.05	6.84	6.85	8.01	7.95	6.3	
			8:20	8.5	7.5	27.90	27.85	7.98	7.98	32.79	32.77	92.00	92.30	6.86	6.88	4.54	4.68	5.8	5.7
	9/10/2024	Fine	8:21	8.5	7.5	27.80	27.85	7.97	7.98	32.74	32.77	92.60	92.30	6.89	6.88	4.82	4.68	5.5	
			8:30	8.6	7.6	27.90	27.95	7.93	7.94	32.00	32.08	95.20	95.30	6.79	6.80	6.89	6.95	6.9	6.8
			8:31	8.6	7.6	28.00	27.95	7.94	7.94	32.15	32.08	95.40	95.30	6.81	6.80	7.01	6.95	6.6	
	14/10/2024	Fine	10:19	8.5	7.5	27.90	27.95	7.96	7.96	33.04	33.14	96.80	97.05	6.90	6.92	5.19	5.26	4.7	5.4
			10:20	8.5	7.5	28.00	27.95	7.96	7.96	33.24	33.14	97.30	97.05	6.93	6.92	5.32	5.26	6.0	
			12:00	8.8	7.8	27.70	27.75	7.97	7.98	32.50	32.54	91.80	92.60	6.68	6.73	3.42	3.51	5.8	5.6
	16/10/2024	Fine	12:01	8.8	7.8	27.80	27.75	7.98	7.98	32.57	32.54	93.40	92.60	6.78	6.73	3.60	3.51	5.4	
			13:07	8.7	7.7	28.58	28.66	7.96	7.97	33.34	33.44	103.70	104.15	6.75	6.77	5.26	5.21	6.0	5.7
			13:08	8.7	7.7	28.73	28.66	7.97	7.97	33.54	33.44	104.60	104.15	6.78	6.77	5.16	5.21	5.3	
	21/10/2024	Cloudy	13:57	8.7	7.7	28.93	28.92	7.86	7.86	32.23	32.32	108.20	107.80	6.89	6.87	5.62	5.55	8.2	8.5
			13:58	8.7	7.7	28.90	28.92	7.85	7.85	32.41	32.32	107.40	107.80	6.84	6.87	5.47	5.55	8.8	
			8:17	8.4	7.4	27.09	27.14	7.87	7.87	33.50	33.52	104.10	104.05	6.90	6.90	6.70	6.71	10.4	10.3
	23/10/2024	Cloudy	8:18	8.4	7.4	27.18	27.14	7.87	7.87	33.53	33.52	104.00	104.05	6.90	6.90	6.72	6.71	10.1	
			9:31	8.5	7.5	26.59	26.58	7.45	7.45	33.64	33.71	87.20	86.80	6.83	6.80	1.12	0.92	3.0	3.2
			9:32	8.5	7.5	26.56	26.58	7.41	7.43	33.77	33.71	86.40	86.80	6.77	6.80	0.72	0.92	3.4	
	25/10/2024	Cloudy	10:42	8.7	7.7	25.73	25.79	7.93	7.92	33.49	33.55	98.70	99.55	6.83	6.91	7.99	8.01	16.2	16.9
			10:43	8.7	7.7	25.85	25.79	7.91	7.92	33.60	33.55	100.40	99.55	6.90	6.91	8.02	8.01	17.6	
			11:51	8.6	7.6	26.79	26.77	7.95	7.96	34.01	34.10	94.20	94.60	6.78	6.79	7.41	7.27	23.0	20.0
	30/10/2024	Fine	11:52	8.6	7.6	26.74	26.77	7.96	7.96	34.18	34.10	95.00	94.60	6.80	6.79	7.12	7.27	16.9	

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

**Impact Water Quality Monitoring at Station CE (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	7/10/2024	Fine	9:39	8.4	7.4	28.30	28.35	7.88	7.89	32.24	32.31	91.50	90.90	6.74	6.68	7.64	7.57	6.1	6.2
			9:40	8.4	7.4	28.40	28.35	7.89	7.89	32.37	32.31	90.30	90.90	6.61	6.68	7.50	7.57	6.2	
			15:14	8.7	7.7	27.50	27.50	7.97	7.98	32.19	32.37	92.50	91.55	6.78	6.73	5.67	5.51	6.0	5.8
	9/10/2024	Fine	15:15	8.7	7.7	27.50	27.50	7.99	7.98	32.54	32.37	90.60	91.55	6.68	6.73	5.34	5.51	5.6	
			15:10	8.3	7.3	28.20	28.15	7.92	7.93	32.50	32.30	92.60	91.70	6.72	6.70	4.92	5.00	3.5	4.0
			15:11	8.3	7.3	28.10	28.15	7.93	7.93	32.10	32.30	90.80	91.70	6.68	6.70	5.08	5.00	4.4	
	14/10/2024	Fine	15:52	8.2	7.2	27.70	27.75	7.99	7.99	32.64	32.59	93.70	94.55	6.64	6.68	5.37	5.44	7.8	7.8
			15:53	8.2	7.2	27.80	27.75	7.98	7.98	32.54	32.59	95.40	94.55	6.72	6.68	5.50	5.44	7.8	
			16:47	8.3	7.3	27.90	27.85	7.98	7.98	32.90	32.86	89.70	87.80	6.70	6.64	4.19	4.28	5.2	5.3
	16/10/2024	Fine	16:48	8.3	7.3	27.90	27.85	7.98	7.98	32.82	32.86	85.90	87.80	6.58	6.64	4.36	4.28	5.4	
			17:47	8.3	7.3	28.26	28.37	7.92	7.91	32.89	32.89	105.50	105.35	6.84	6.82	5.13	5.21	6.4	6.5
			17:48	8.3	7.3	28.48	28.37	7.90	7.91	32.88	32.89	105.20	105.35	6.79	6.82	5.29	5.21	6.5	
	21/10/2024	Cloudy	10:20	8.5	7.5	28.97	28.96	7.83	7.83	31.78	31.78	103.30	102.55	6.61	6.58	3.98	4.05	7.9	8.3
			10:21	8.5	7.5	28.95	28.96	7.82	7.83	31.77	31.78	101.80	102.55	6.54	6.58	4.11	4.05	8.6	
			12:32	8.2	7.2	28.01	28.00	7.85	7.86	34.01	33.94	101.30	102.20	6.80	6.83	6.89	7.27	12.3	11.7
	23/10/2024	Cloudy	12:33	8.2	7.2	27.99	28.00	7.86	7.86	33.87	33.94	103.10	102.20	6.85	6.83	7.65	7.27	11.0	
			13:14	8.3	7.3	27.79	27.68	7.80	7.82	33.74	33.80	93.60	94.70	6.82	6.91	1.47	1.30	4.4	4.0
			13:15	8.3	7.3	27.56	27.68	7.83	7.82	33.85	33.80	95.80	94.70	6.99	6.91	1.13	1.30	3.5	
	28/10/2024	Fine	15:57	8.4	7.4	26.12	26.10	7.94	7.94	34.24	34.37	98.00	97.55	6.73	6.71	8.45	8.29	16.2	16.7
			15:58	8.4	7.4	26.07	26.10	7.94	7.94	34.50	34.37	97.10	97.55	6.69	6.71	8.13	8.29	17.1	
			16:27	8.3	7.3	25.84	25.88	7.96	7.97	34.02	33.97	90.20	90.75	6.70	6.73	6.49	6.41	20.4	20.2
	30/10/2024	Fine	16:28	8.3	7.3	25.91	25.88	7.97	7.97	33.92	33.97	91.30	90.75	6.75	6.73	6.32	6.41	20.0	

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 (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	7/10/2024	Fine	14:47	8.6	1.0	28.70	28.65	7.88	7.88	32.52	32.63	95.30	94.25	7.84	7.07	7.83	7.84	4.0	4.2
			14:48	8.6	1.0	28.60		7.89		32.73		93.20		6.99		7.86		4.4	
			6:44	8.5	1.0	27.60		7.89		32.37		92.50		6.84		7.02		3.7	
	9/10/2024	Fine	6:45	8.5	1.0	27.60	27.60	7.89	7.89	32.49	32.43	92.00	92.25	6.80	6.82	7.36	7.19	4.4	4.1
			6:53	8.7	1.0	27.70		7.87		31.38		93.60		6.78		5.47		2.5	
			6:54	8.7	1.0	27.80		7.87		31.05		92.70		6.70		5.74		3.4	
	14/10/2024	Fine	8:40	8.7	1.0	28.40	28.45	7.87	7.88	31.84	31.79	93.00	94.00	6.74	6.77	2.24	2.39	8.5	6.6
			8:41	8.7	1.0	28.50		7.88		31.74		95.00		6.80		2.54		4.6	
			10:20	8.9	1.0	28.10		7.94		31.79		93.40		6.84		2.04		3.5	
	16/10/2024	Fine	10:21	8.9	1.0	28.00	28.05	7.93	7.94	31.99	31.89	93.60	93.50	6.89	6.87	2.13	2.09	2.6	3.1
			11:35	8.7	1.0	28.68		7.95		32.87		106.70		6.97		4.46		5.9	
			11:36	8.7	1.0	28.54		7.93		32.94		108.40		6.98		4.25		6.6	
	21/10/2024	Cloudy	15:24	8.7	1.0	30.77	30.81	7.86	7.86	32.51	32.40	106.60	106.20	6.84	6.82	1.24	1.31	2.8	2.6
			15:25	8.7	1.0	30.84		7.85		32.29		105.80		6.80		1.37		2.4	
			6:40	8.4	1.0	27.60		7.46	7.46	33.82		107.10	106.65	7.02	7.01	3.58	3.61	5.2	5.4
	23/10/2024	Cloudy	6:41	8.4	1.0	27.59		7.45		33.41		106.20		6.99		3.62		5.6	
			6:48	8.5	1.0	26.00		7.70		33.34		87.70		6.72		6.49		4.9	
	25/10/2024	Cloudy	6:49	8.5	1.0	26.07	26.04	7.71	7.71	33.45	33.40	89.00	88.35	6.76	6.74	6.50	6.50	8.1	6.5
			9:00	8.7	1.0	25.74		7.24		34.10		100.00		6.86		5.94		28.3	
			9:01	8.7	1.0	25.64		7.14		33.99		100.50		6.88		6.06		30.2	
	30/10/2024	Fine	10:10	8.6	1.0	27.01	26.86	7.94	7.95	33.66	33.57	90.20	90.00	6.50	6.49	6.02	6.13	9.8	9.6
			10:11	8.6	1.0	26.71		7.95		33.47		89.80		6.47		6.24		9.4	

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) - 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	7/10/2024	Fine	8:05	8.2	1.0	27.60	27.60	7.91	7.91	32.54	32.61	85.90	86.15	6.54	6.56	5.89	5.88	5.2	4.9
			8:06	8.2	1.0	27.60		7.91		32.67		86.40		6.58		5.87		4.6	
			16:39	8.7	1.0	27.40		7.97	7.97	32.61	32.22	92.50	93.30	6.94	7.00	4.64	4.67	4.6	
	9/10/2024	Fine	16:40	8.7	1.0	27.30	27.35	7.96		31.82		94.10		7.06		4.70		5.8	5.2
			16:37	8.2	1.0	27.50		7.93	7.93	32.11	32.24	94.80	95.20	6.76	6.78	3.19	3.24	3.8	
			16:38	8.2	1.0	27.40		7.93		32.37		95.60		6.79		3.28		3.7	
	14/10/2024	Fine	17:22	8.3	1.0	27.70	27.75	7.95	7.95	32.67	32.51	93.00	94.00	6.61	6.66	5.18	5.30	8.4	8.3
			17:23	8.3	1.0	27.80		7.94		32.35		95.00		6.70		5.42		8.2	
			18:15	8.2	1.0	28.30		7.98		32.19		91.40		6.78		2.89		2.9	
	16/10/2024	Fine	18:16	8.2	1.0	28.20	28.25	7.98	7.98	32.24	32.22	90.10	90.75	6.70	6.74	3.05	2.97	3.6	3.3
			19:06	8.2	1.0	28.12		8.03		33.19		106.00		6.79		2.74		1.9	
			19:07	8.2	1.0	28.02		8.03		33.04		103.90		6.75		2.95		1.7	
	21/10/2024	Cloudy	8:30	8.4	1.0	29.51	29.65	7.32	7.33	32.74	32.84	107.40	108.15	6.90	6.95	2.17	2.23	6.8	5.7
			8:31	8.4	1.0	29.78		7.34		32.94		108.90		6.99		2.29		4.5	
			13:57	8.2	1.0	28.05		7.86		32.94		103.50	103.36	6.95	6.94	7.01	6.90	9.9	10.0
	23/10/2024	Cloudy	13:58	8.2	1.0	27.94	28.00	7.87	7.87	32.83	32.89	103.21		6.93		6.79		10.0	
			14:42	8.3	1.0	26.74		7.74	7.74	33.85	33.82	96.80	96.00	6.92	6.92	5.37	5.53	8.1	7.4
			14:43	8.3	1.0	26.79		7.73		33.78		95.20		6.91		5.69		6.6	
	28/10/2024	Fine	17:24	8.3	1.0	26.34	26.36	7.93	7.94	33.74	33.80	105.40	104.30	7.08	7.03	5.09	5.13	20.1	20.3
			17:25	8.3	1.0	26.37		7.95		33.86		103.20		6.98		5.17		20.5	
			17:50	8.2	1.0	26.20		7.98		33.64		93.40		6.88		7.00		8.5	
	30/10/2024	Fine	17:51	8.2	1.0	26.18	26.19	7.97	7.98	33.89	33.77	92.00	92.70	6.81	6.85	7.25	7.13	9.2	8.9

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

**Impact Water Quality Monitoring at Station CF (Middle) - 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	7/10/2024	Fine	14:51	8.6	4.3	28.70	28.70	7.89	7.90	32.51	32.49	89.90	89.95	6.73	6.77	6.81	6.64	3.8	4.2
			14:52	8.6	4.3	28.70	28.70	7.90	7.90	32.47	32.49	90.00	89.95	6.80	6.77	6.47	6.64	4.6	4.2
	9/10/2024	Fine	6:48	8.5	4.3	27.60	27.65	7.90	7.90	32.73	32.62	92.90	92.95	6.83	6.86	7.27	7.20	5.8	5.8
			6:49	8.5	4.3	27.70	27.70	7.90	7.90	32.50	32.62	93.40	92.95	6.88	6.86	7.12	7.20	5.8	5.8
	12/10/2024	Fine	6:57	8.7	4.4	27.80	27.85	7.88	7.88	31.25	31.47	93.00	92.50	6.68	6.61	5.51	5.40	3.4	3.5
			6:58	8.7	4.4	27.90	27.85	7.88	7.88	31.68	31.47	92.00	92.50	6.54	6.61	5.29	5.40	3.5	3.5
	14/10/2024	Fine	8:44	8.7	4.4	28.40	28.35	7.85	7.85	31.98	31.99	97.20	97.50	6.90	6.92	4.48	4.37	7.7	7.6
			8:45	8.7	4.4	28.30	28.35	7.85	7.85	32.00	31.99	97.80	97.50	6.93	6.92	4.25	4.37	7.5	7.6
	16/10/2024	Fine	10:24	8.9	4.5	28.00	28.00	7.93	7.93	32.12	32.30	93.00	92.60	6.87	6.85	3.08	2.99	3.7	3.6
			10:25	8.9	4.5	28.00	28.00	7.93	7.93	32.47	32.30	92.20	92.60	6.83	6.85	2.89	2.99	3.5	3.6
	18/10/2024	Fine	11:39	8.7	4.4	28.67	28.55	7.98	7.98	33.64	33.68	101.20	100.95	6.73	6.71	5.01	5.11	8.0	8.1
			11:40	8.7	4.4	28.43	28.55	7.98	7.98	33.71	33.68	100.70	100.95	6.69	6.71	5.20	5.11	8.1	8.1
	21/10/2024	Cloudy	15:28	8.7	4.4	30.24	30.21	7.85	7.85	32.19	32.27	106.80	108.60	6.87	6.95	1.99	1.86	4.6	3.4
			15:29	8.7	4.4	30.18	30.21	7.85	7.85	32.35	32.27	110.40	108.60	7.02	6.95	1.72	1.86	2.2	3.4
	23/10/2024	Cloudy	6:44	8.4	4.2	27.39	27.32	7.47	7.47	33.50	33.47	99.40	100.00	6.78	6.82	3.66	3.64	4.6	7.5
			6:45	8.4	4.2	27.24	27.32	7.47	7.47	33.44	33.47	100.60	100.00	6.96	6.82	3.62	3.64	10.3	7.5
	25/10/2024	Cloudy	6:52	8.5	4.3	26.16	26.15	7.72	7.72	33.73	33.69	99.20	89.50	6.94	6.89	6.87	6.98	6.8	7.0
			6:53	8.5	4.3	26.13	26.15	7.71	7.72	33.64	33.69	88.80	89.50	6.84	6.89	7.08	6.98	7.1	7.0
	28/10/2024	Fine	9:04	8.7	4.4	25.52	25.68	7.16	7.17	33.98	34.02	98.30	98.65	6.78	6.80	6.13	6.21	28.4	28.9
			9:05	8.7	4.4	25.84	25.68	7.18	7.17	34.05	34.02	99.00	98.65	6.81	6.80	6.29	6.21	29.3	28.9
	30/10/2024	Fine	10:14	8.6	4.3	26.60	26.74	7.94	7.94	33.59	33.61	95.20	95.95	6.77	6.82	6.38	6.31	10.8	10.2
			10:15	8.6	4.3	26.87	26.74	7.94	7.94	33.62	33.61	96.70	95.95	6.86	6.82	6.24	6.31	9.6	10.2

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) - 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	7/10/2024	Fine	8:09	8.2	4.1	27.50	27.50	7.92	7.92	32.60	32.55	87.70	88.30	6.62	6.66	5.32	5.38	6.4	6.4
			8:10	8.2	4.1	27.50	27.50	7.91	7.92	32.49	32.55	88.90	88.30	6.70	6.66	5.43	5.38	6.4	6.4
	9/10/2024	Fine	16:43	8.7	4.4	27.50	27.50	7.97	7.97	31.74	31.73	89.80	90.40	6.70	6.72	4.82	4.78	4.5	4.8
			16:44	8.7	4.4	27.50	27.50	7.97	7.97	31.72	31.73	91.00	90.40	6.74	6.72	4.73	4.78	5.0	4.8
	12/10/2024	Fine	16:41	8.2	4.1	27.60	27.65	7.93	7.93	32.05	32.02	97.40	97.70	6.90	6.94	3.50	3.50	2.4	3.2
			16:42	8.2	4.1	27.70	27.65	7.92	7.93	31.98	32.02	98.00	97.70	6.98	6.94	3.49	3.50	4.0	3.2
	14/10/2024	Fine	17:26	8.3	4.2	28.00	28.05	7.94	7.94	32.45	32.37	97.20	97.50	6.81	6.83	4.80	4.69	6.8	7.0
			17:27	8.3	4.2	28.10	28.05	7.93	7.94	32.29	32.37	97.80	97.50	6.85	6.83	4.57	4.69	7.1	7.0
	16/10/2024	Fine	18:19	8.2	4.1	28.50	28.45	7.98	7.98	31.89	31.85	92.20	92.90	6.81	6.84	2.72	2.64	3.4	3.1
			18:20	8.2	4.1	28.40	28.45	7.97	7.98	31.80	31.85	93.60	92.90	6.86	6.84	2.56	2.64	2.8	3.1
	18/10/2024	Fine	19:10	8.2	4.1	28.27	28.22	8.03	8.03	33.25	33.33	105.80	106.25	6.92	6.95	2.06	1.99	1.9	2.0
			19:11	8.2	4.1	28.17	28.22	8.03	8.03	33.41	33.33	106.70	106.25	6.98	6.95	1.92	1.99	2.0	2.0
	21/10/2024	Cloudy	8:34	8.4	4.2	29.51	29.38	7.41	7.41	32.50	32.55	106.60	106.20	6.79	6.77	3.72	3.64	4.9	4.7
			8:35	8.4	4.2	29.24	29.38	7.41	7.41	32.59	32.55	105.80	106.20	6.74	6.77	3.56	3.64	4.4	4.7
	23/10/2024	Cloudy	14:01	8.2	4.1	27.73	27.67	7.88	7.88	32.76	32.81	100.80	101.35	6.82	6.85	6.12	6.19	10.2	10.3
			14:02	8.2	4.1	27.60	27.67	7.87	7.88	32.86	32.81	101.90	101.35	6.87	6.85	6.26	6.19	10.3	10.3
	25/10/2024	Cloudy	14:46	8.3	4.2	26.80	26.85	7.74	7.75	33.79	33.87	93.00	93.80	6.79	6.84	5.15	5.02	7.3	7.1
			14:47	8.3	4.2	26.90	26.85	7.75	7.75	33.94	33.87	94.60	93.80	6.88	6.84	4.89	5.02	6.8	7.1
	28/10/2024	Fine	17:28	8.3	4.2	26.23	26.19	7.96	7.96	33.67	33.63	99.70	100.05	6.78	6.82	6.34	6.24	19.7	20.3
			17:29	8.3	4.2	26.14	26.19	7.96	7.96	33.59	33.63	100.40	100.05	6.86	6.82	6.14	6.24	20.8	20.3
	30/10/2024	Fine	17:54	8.2	4.1	26.19	26.25	7.98	7.98	34.12	34.07	94.20	93.55	6.93	6.90	6.85	6.80	13.8	13.5
			17:55	8.2	4.1	26.30	26.25	7.98	7.98	34.01	34.07	92.90	93.55	6.87	6.90	6.75	6.80	13.1	13.5

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 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	7/10/2024	Fine	14:54	8.6	7.6	28.50		7.89	7.89	32.43	32.57	92.30	91.85	6.93	6.90	6.69	6.82	4.4	4.2
			14:55	8.6	7.6	28.60		7.89		32.71		91.40		6.97		6.95		4.0	
			6:51	8.5	7.5	27.70	27.75	7.90	7.91	32.48	32.59	94.10	93.90	6.91	6.91	6.69	6.77	5.6	5.3
	9/10/2024	Fine	6:52	8.5	7.5	27.80		7.91		32.69		93.70		6.90		6.85		4.9	
			7:00	8.7	7.7	27.90		7.88		31.64		93.20		6.69		4.98		3.6	
			7:01	8.7	7.7	27.90	27.90	7.89	7.89	31.30	31.47	91.70	92.45	6.63	6.66	5.07	5.03	3.8	3.7
	14/10/2024	Fine	8:47	8.7	7.7	28.30	28.30	7.89	7.90	32.10	32.10	95.60	96.00	6.84	6.86	3.19	3.31	8.0	7.8
			8:48	8.7	7.7	28.30		7.90		32.09		96.40		6.88		3.42		7.6	
			10:27	8.9	7.9	28.00	28.00	7.94	7.94	32.25	32.23	95.80	95.70	6.99	6.97	2.99	2.96	3.0	3.1
	16/10/2024	Fine	10:28	8.9	7.9	28.00		7.94		32.20		95.60		6.94		2.93		3.1	
			11:42	8.7	7.7	28.53	28.64	8.00		33.08	33.13	104.60	104.30	6.86	6.85	5.11	5.00	6.6	6.9
			11:43	8.7	7.7	28.74		8.01	8.01	33.17		104.00		6.84		4.89		7.2	
	21/10/2024	Cloudy	15:31	8.7	7.7	29.74	29.93	7.85	7.85	31.89	31.80	104.60	105.65	6.77	6.82	2.89	2.98	6.0	6.2
			15:32	8.7	7.7	30.12		7.84		31.70		106.70		6.87		3.07		6.3	
			6:47	8.4	7.4	27.01	27.16	7.48	7.49	33.74	33.60	102.50	102.30	6.90	6.89	5.12	5.22	10.2	7.6
	23/10/2024	Cloudy	6:48	8.4	7.4	27.31		7.49		33.45		102.10		6.98		5.32		4.9	
			6:55	8.5	7.5	26.15	26.17	7.72	7.73	33.40	33.50	99.70	91.15	6.88	6.94	6.78	6.69	7.4	8.0
			6:56	8.5	7.5	26.18		7.73		33.59		92.60		6.99		6.59		8.5	
	28/10/2024	Fine	9:07	8.7	7.7	25.50	25.47	7.20	7.20	33.61	33.68	98.70	98.10	6.80	6.76	7.53	7.48	32.4	31.9
			9:08	8.7	7.7	25.43		7.19		33.75		97.50		6.71		7.42		31.3	
			10:17	8.6	7.6	26.59	26.57	7.93	7.94	33.36	33.41	93.00	94.20	6.68	6.73	6.88	6.95	14.2	14.0
	30/10/2024	Fine	10:18	8.6	7.6	26.54		7.94		33.46		95.40		6.77		7.02		13.7	

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 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	7/10/2024	Fine	8:12	8.2	7.2	27.50	27.50	7.91	7.91	32.57	32.50	88.80	89.40	6.71	6.72	7.01	6.98	7.0	6.7
			8:13	8.2	7.2	27.50		7.91		32.42		90.00		6.73		6.95		6.3	
			16:46	8.7	7.7	27.60	27.55	7.96	7.96	32.84	32.92	88.00	89.20	6.66	6.69	4.89	4.95	4.5	4.9
	9/10/2024	Fine	16:47	8.7	7.7	27.50		7.95		32.99		90.40		6.71		5.01		5.2	
			16:44	8.2	7.2	27.80	27.75	7.92	7.92	31.95	32.04	95.80	96.25	6.80	6.83	3.98	3.90	2.6	3.2
			16:45	8.2	7.2	27.70		7.92		32.13		96.70		6.86		3.82		3.8	
	14/10/2024	Fine	17:29	8.3	7.3	28.00	28.00	7.94	7.95	32.27	32.42	98.40	97.40	6.90	6.85	4.64	4.80	7.8	8.3
			17:30	8.3	7.3	28.00		7.95		32.56		96.40		6.79		4.95		8.8	
			18:22	8.2	7.2	28.20	28.20	7.98	7.98	31.72	31.66	92.80	91.70	6.84	6.78	3.24	3.38	4.3	4.2
	16/10/2024	Fine	18:23	8.2	7.2	28.20		7.98		31.59		90.60		6.71		3.51		4.0	
			19:13	8.2	7.2	28.08	28.14	8.02	8.02	32.92	32.83	105.90	105.35	6.76	6.75	2.25	2.19	2.5	2.2
			19:14	8.2	7.2	28.19		8.01		32.74		104.80		6.74		2.13		1.8	
	21/10/2024	Cloudy	8:37	8.4	7.4	29.01	29.16	7.45	7.46	32.32	32.37	106.70	106.80	6.82	6.83	3.50	3.54	4.8	4.8
			8:38	8.4	7.4	29.30		7.46		32.41		106.90		6.83		3.57		4.7	
			14:04	8.2	7.2	27.50	27.58	7.88	7.88	33.01	33.06	101.80	100.65	6.86	6.82	6.01	5.93	11.9	11.4
	23/10/2024	Cloudy	14:05	8.2	7.2	27.65		7.88		33.10		99.50		6.78		5.84		10.9	
			14:49	8.3	7.3	27.12	27.06	7.75	7.75	34.12	34.04	93.00	93.05	6.72	6.71	5.74	5.91	7.6	8.3
			14:50	8.3	7.3	26.99		7.75		33.96		93.10		6.70		6.08		9.0	
	28/10/2024	Fine	17:31	8.3	7.3	26.09	26.15	7.93	7.95	33.21	33.31	101.50	100.85	6.91	6.86	6.67	6.77	21.0	21.2
			17:32	8.3	7.3	26.21		7.97		33.41		100.20		6.80		6.87		21.3	
			17:57	8.2	7.2	26.24	26.26	7.98	7.99	33.88	33.93	86.90	86.35	6.52	6.50	6.87	6.94	15.7	12.9
	30/10/2024	Fine	17:58	8.2	7.2	26.27		7.99		33.98		85.80		6.48		7.00		10.1	

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.



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

Monthly Summary Waste Flow Table for Aug - Oct 2024

Month	Actual Quantities of Inert C&D Material Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated (a) (in '000m ³)	Hard Rocks and Large Broken Concrete (b) (in '000m ³)	Reused in the Contract (c) (in '000m ³)	Reused in other Projects (d) (in '000m ³)	Disposed as Public Fill (a-b-c-d) (in '000m ³)	Imported Fill (in '000m ³)	Metals (in '000kg)	Paper/card-board packaging (in '000kg)	Plastics [see Note 3] (in '000kg)	Chemical waste (in '000kg)	Others. e.g. general refuse (in '000kg)
Aug	0.90	0.00	0.00	0.00	0.90	0.00	0.0037	0.0486	0.0030	0.00	14.84
Sept	1.54	0.00	0.00	0.00	1.54	0.00	0.0030	0.0110	0.0019	0.00	15.89
Oct	0.42	0.00	0.00	0.00	0.42	0.00	0.0000	0.0000	0.0000	0.00	12.49
Total	2.86	0.00	0.00	0.00	2.86	0.00	0.0067	0.0596	0.0049	0.00	43.22

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.