Air Quality Monitoring Equipment

Sibata LD-5R K-Factor Verification Test by Total Suspended Particulates HVS Test Report

Information of Calibrated Equipment

Verification Test Date:	**23-Feb-25**	to	**2-Mar-25**	Next Verification Test Date:	**23-Feb-26**
Unit-under-Test- Model No.:	Sibata LD-5R				
Unit-under-Test Serial No.:	851816				
Our Report Reference No.:	RPT-25-HVS-0103				
Calibration Location:	AM2, location near the Leachate Treatment Works within the NENTX Landfill				

Standard Equipment Information

Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5025A
Equipment serial no.:	1106	3465
Last Calibration Date:	10-Feb-25	2-Dec-24
Next Calibration Date:	9-Apr-25	2-Dec-25

Equipment Verification Result

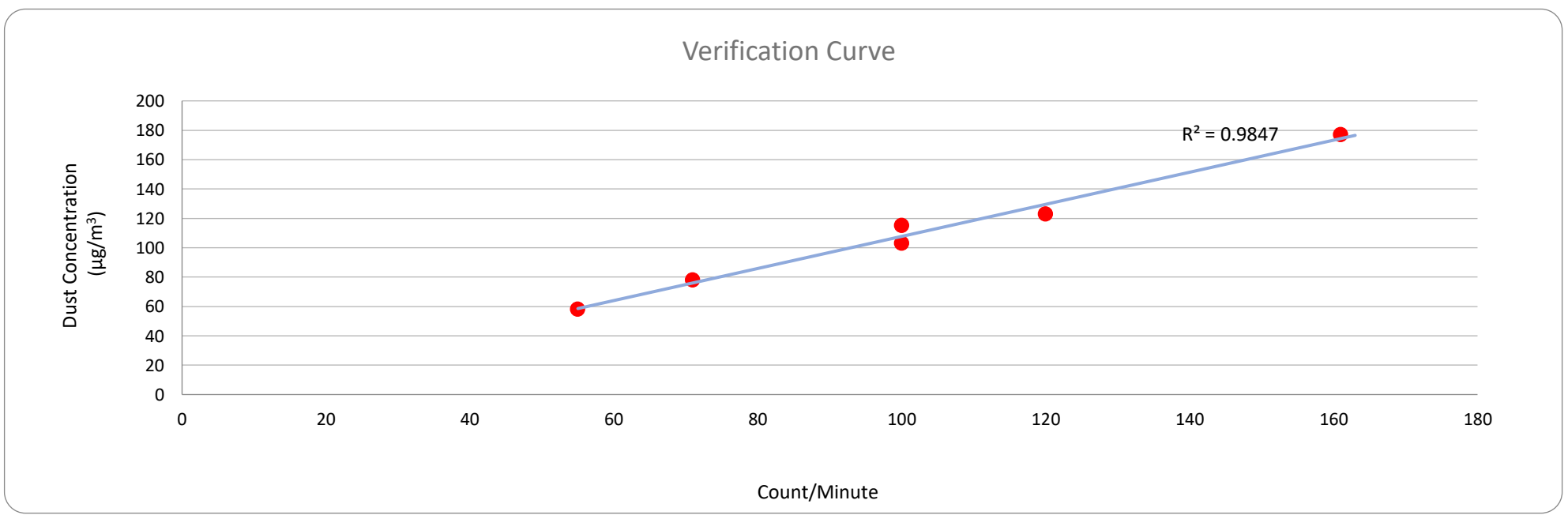
Verification Test No.	Date	Duration			Results from Calibrated Equipment		Results from Standard Equipment
		Start-time	End-time	Elapsed Time (in min)	Total Counts	Counts/ Minute x-axis	Dust Concentration (μg/m^3) y-axis
1	23/02/2025	5385.00	5388.00	180.00	12780	71	78
2	23/02/2025	5388.00	5391.00	180.00	28980	161	177
3	23/02/2025	5394.00	5397.00	180.00	18000	100	115
4	2/03/2025	5397.00	5400.00	180.00	9900	55	58
5	2/03/2025	5400.00	5403.00	180.00	18000	100	103
6	2/03/2025	5403.00	5406.00	180.00	21600	120	123

Linear Regression of y on x

Slope, K factor: **1.0922** Intercept: **-1.4901** *Correlation Coefficient, R: **0.9923**

Verification Test Result: Strong Correlation, Results were accepted.

* If the Correlation Coefficient, R is <0.5. Checking and Re-verification are required.



Operated By: Andy Li Date: 04-03-2025

Project Technician, Environmental

Checked By: Vega Wong Date: 04-03-2025

Senior Consultant, Environmental

Aurecon Hong Kong Limited
Unit 1608, 16/F, Tower B, Manulife Financial Centre,
223 – 231 Wai Yip Street, Kwun Tong,
Kowloon Hong Kong S. A. R

Certification of Calibration

Information of Unit-under-test (UUT)

Date of Calibration:	**15-Aug-2025 and 21-Aug-2025**	Next Calibration Date:	**15-Aug-26**
UUT Manufacturer:	Sibata	UUT Model No.:	LD-5R
UUT Serial No.:	882106	Report Reference No.:	RPT-25-HVS-0163
Calibration Location:	Tung Chung East		

Information of Reference Equipment

Reference Equipment Manufacturer:	Tisch Environmental	Tisch Environmental
Reference Equipment Model No.:	TE-5170X	TE-5025A
Reference Equipment Serial No.:	1086	3465
Last Calibration Date:	15-Aug-25	2-Dec-24
Next Calibration Date:	15-Oct-25	2-Dec-25

Calibration of 1-Hour TSP Result

Calibration Point	Results from UUT	Results from Standard Equipment
	Mass Concentration (µg/m^3) X-axis	Reference Concentration (µg/m^3) Y-axis
1	105	106
2	131	128
3	120	117
4	154	150
5	143	139
6	119	115
Average	129	126

Linear Regression of Y on X

Slope, mv: **0.9294** Intercept: **6.4444** *Correlation Coefficient: **0.9964**

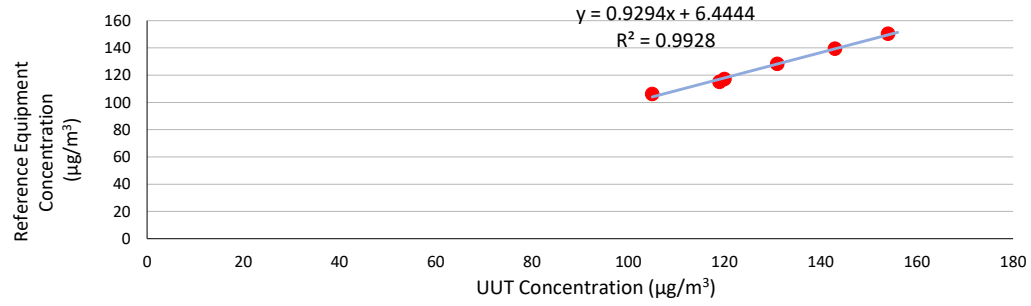
Verification Test Result: Strong Correlation, Results were accepted.

* If the Correlation Coefficient < 0.90, check and recalibrate.

Set Calibration Factor

Particulate Concentration by Reference Equipment (µg/m^3):	126
Particulate Concentration by UUT (µg/m^3):	129
Measuring Time, (min):	60
K Factor = High Volume Sampler / UUT, (µg/m^3):	0.98

Correlation Curve



Operated By: Andy Li, Project Technician, Environmental — Signature: — Date: 28-08-2025

Checked By: Joe Ho, Lead Consultant, Environmental — Signature: — Date: 28-08-2025

Noise Quality Monitoring Equipment

Certificate of Calibration

for

Description:	***Sound Level Meter***
Manufacturer:	***RION***
Type No.:	***NL-53 (Serial No.: 01130783)***
Microphone:	***UC-59 (Serial No.: 25498)***
Preamplifier:	***NH-25 (Serial No.:33674)***

Submitted by:

Customer:	*Aurecon Hong Kong Limited*
Address:	*Unit 1608, 16/F, Tower B, Manulife Financial Centre,*
	223-231 Wai Yip Street, Kwun Tong,
	Kowloon, Hong Kong

Upon receipt for calibration, the instrument was found to be:

☑ **Within (31.5Hz – 4kHz)**
☐ **Outside**

the allowable tolerance.

The test equipment used for calibration are traceable to National Standards via:
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 26 February 2025

Date of calibration: 27 February 2025

Date of NEXT calibration: 26 February 2026

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: 27 February 2025

Certificate No.: APJ24-154-CC002

ACOUSTICS AND AIR TESTING LABORATORY CO. LTD. (A+A)*L

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

1. *Calibration Precaution:*

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

- The results presented are the mean of 3 measurements at each calibration point.

2. *Calibration Conditions:*

Air Temperature:	25.8 °C
Air Pressure:	1006 hPa
Relative Humidity:	54.9 %

3. *Calibration Equipment:*

	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS

4. *Calibration Results*

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	±0.4

Linearity

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	Ref
			104		104.0	±0.3
			114		114.0	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	Ref
		Slow			94.0	±0.3

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Frequency Response

Linear Response

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dB SPL	Fast	94	31.5	94.2	±2.0
				63	94.1	±1.5
				125	94.1	±1.5
				250	94.0	±1.4
				500	94.0	±1.4
				1000	94.0	Ref
				2000	93.6	±1.6
				4000	92.5	±1.6

A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	31.5	54.7	-39.4 ±2.0
				63	67.9	-26.2 ±1.5
				125	78.0	-16.1 ±1.5
				250	85.4	-8.6 ±1.4
				500	90.8	-3.2 ±1.4
				1000	94.0	Ref
				2000	94.8	+1.2 ±1.6
				4000	93.5	+1.0 ±1.6

C-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBC SPL	Fast	94	31.5	91.2	-3.0 ±2.0
				63	93.3	-0.8 ±1.5
				125	93.9	-0.2 ±1.5
				250	94.1	-0.0 ±1.4
				500	94.0	-0.0 ±1.4
				1000	94.0	Ref
				2000	93.4	-0.2 ±1.6
				4000	91.7	-0.8 ±1.6

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5. *Calibration Results Applied*

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 61672 Class 1.

Uncertainties of Applied Value:

94 dB	31.5 Hz	± 0.10
	63 Hz	± 0.10
	125 Hz	± 0.05
	250 Hz	± 0.05
	500 Hz	± 0.05
	1000 Hz	± 0.05
	2000 Hz	± 0.05
	4000 Hz	± 0.05
104 dB	1000 Hz	± 0.05
114 dB	1000 Hz	± 0.05

The uncertainties are evaluated for a 95% confidence level.

Note:
The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. (A+A)*L shall not be liable for any loss or damage resulting from the use of the equipment.

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Certificate of Calibration

for

Description:	***Sound Level Meter***
Manufacturer:	***RION***
Type No.:	***NL-53 (Serial No.: 01130784)***
Microphone:	***UC-59 (Serial No.: 24908)***
Preamplifier:	***NH-25 (Serial No.:33675)***

Submitted by:

Customer:	*Aurecon Hong Kong Limited*
Address:	*Unit 1608, 16/F, Tower B, Manulife Financial Centre,*
	223-231 Wai Yip Street, Kwun Tong,
	Kowloon, Hong Kong

Upon receipt for calibration, the instrument was found to be:

☑ **Within (31.5Hz – 4kHz)**
☐ **Outside**

the allowable tolerance.

The test equipment used for calibration are traceable to National Standards via:
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 26 February 2025

Date of calibration: 27 February 2025

Date of NEXT calibration: 26 February 2026

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: 27 February 2025

Certificate No.: APJ24-154-CC003

ACOUSTICS AND AIR TESTING LABORATORY CO. LTD. (A+A)*L

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

1. *Calibration Precaution:*

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

- The results presented are the mean of 3 measurements at each calibration point.

2. *Calibration Conditions:*

Air Temperature: 25.8 °C
Air Pressure: 1006 hPa
Relative Humidity: 54.9 %

3. *Calibration Equipment:*

	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS

4. *Calibration Results*

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	±0.4

Linearity

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	Ref
			104		104.0	±0.3
			114		114.0	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	Ref
		Slow			94.0	±0.3

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Frequency Response

Linear Response

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dB SPL	Fast	94	31.5	94.2	±2.0
				63	94.2	±1.5
				125	94.2	±1.5
				250	94.1	±1.4
				500	94.1	±1.4
				1000	94.0	Ref
				2000	93.7	±1.6
				4000	92.5	±1.6

A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	31.5	54.9	-39.4 ±2.0
				63	68.0	-26.2 ±1.5
				125	78.0	-16.1 ±1.5
				250	85.5	-8.6 ±1.4
				500	90.8	-3.2 ±1.4
				1000	94.0	Ref
				2000	94.9	+1.2 ±1.6
				4000	93.5	+1.0 ±1.6

C-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBC SPL	Fast	94	31.5	91.2	-3.0 ±2.0
				63	93.4	-0.8 ±1.5
				125	94.0	-0.2 ±1.5
				250	94.1	-0.0 ±1.4
				500	94.1	-0.0 ±1.4
				1000	94.0	Ref
				2000	93.5	-0.2 ±1.6
				4000	91.7	-0.8 ±1.6

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Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

5. *Calibration Results Applied*

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 61672 Class 1.

Uncertainties of Applied Value:

94 dB	31.5 Hz	± 0.10
	63 Hz	± 0.05
	125 Hz	± 0.10
	250 Hz	± 0.05
	500 Hz	± 0.05
	1000 Hz	± 0.05
	2000 Hz	± 0.05
	4000 Hz	± 0.05
104 dB	1000 Hz	± 0.05
114 dB	1000 Hz	± 0.05

The uncertainties are evaluated for a 95% confidence level.

Note:
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Certificate of Calibration

for

Description:	***Sound Level Meter***
Manufacturer:	***RION***
Type No.:	***NL-53 (Serial No.: 01130785)***
Microphone:	***UC-59 (Serial No.: 25374)***
Preamplifier:	***NH-25 (Serial No.:33676)***

Submitted by:

Customer:	*Aurecon Hong Kong Limited*
Address:	*Unit 1608, 16/F, Tower B, Manulife Financial Centre,*
	223-231 Wai Yip Street, Kwun Tong,
	Kowloon, Hong Kong

Upon receipt for calibration, the instrument was found to be:

☑ **Within (31.5Hz – 4kHz)**
☐ **Outside**

the allowable tolerance.

The test equipment used for calibration are traceable to National Standards via:
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 26 February 2025

Date of calibration: 27 February 2025

Date of NEXT calibration: 26 February 2026

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: 27 February 2025

ACOUSTICS AND AIR TESTING LABORATORY CO. LTD. (A+A)*L

Certificate No.: APJ24-154-CC001

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

1. *Calibration Precaution:*

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

- The results presented are the mean of 3 measurements at each calibration point.

2. *Calibration Conditions:*

Air Temperature:	25.8 °C
Air Pressure:	1006 hPa
Relative Humidity:	54.9 %

3. *Calibration Equipment:*

	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS

4. *Calibration Results*

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	±0.4

Linearity

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	Ref
			104		104.0	±0.3
			114		114.0	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	Ref
		Slow			94.0	±0.3

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Frequency Response

Linear Response

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dB SPL	Fast	94	31.5	94.3	±2.0
				63	94.1	±1.5
				125	94.1	±1.5
				250	94.1	±1.4
				500	94.0	±1.4
				1000	94.0	Ref
				2000	93.7	±1.6
				4000	92.6	±1.6

A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	31.5	54.8	-39.4 ±2.0
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				125	78.0	-16.1 ±1.5
				250	85.4	-8.6 ±1.4
				500	90.8	-3.2 ±1.4
				1000	94.0	Ref
				2000	94.9	+1.2 ±1.6
				4000	93.6	+1.0 ±1.6

C-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBC SPL	Fast	94	31.5	91.2	-3.0 ±2.0
				63	93.3	-0.8 ±1.5
				125	93.9	-0.2 ±1.5
				250	94.1	-0.0 ±1.4
				500	94.1	-0.0 ±1.4
				1000	94.0	Ref
				2000	93.5	-0.2 ±1.6
				4000	91.8	-0.8 ±1.6

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5. *Calibration Results Applied*

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 61672 Class 1.

Uncertainties of Applied Value:

94 dB	31.5 Hz	± 0.10
	63 Hz	± 0.10
	125 Hz	± 0.05
	250 Hz	± 0.05
	500 Hz	± 0.05
	1000 Hz	± 0.05
	2000 Hz	± 0.05
	4000 Hz	± 0.05
104 dB	1000 Hz	± 0.05
114 dB	1000 Hz	± 0.05

The uncertainties are evaluated for a 95% confidence level.

Note:
The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. (A+A)*L shall not be liable for any loss or damage resulting from the use of the equipment.

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Certificate of Calibration

for

Description:	***Sound Level Calibrator***
Manufacturer:	***RION***
Type No.:	***NC-75***
Serial No.:	***34724245***

Submitted by:

Customer:	*Aurecon Hong Kong Limited*
Address:	*Unit 1608, 16/F, Tower B,*
	Manulife Financial Centre,
	223-231 Wai Yip Street, Kwun Tong,
	Kowloon, Hong Kong

Upon receipt for calibration, the instrument was found to be:

☑ **Within**
☐ **Outside**

the allowable tolerance.

The test equipments used for calibration are traceable to National Standards via:
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 10 July 2025

Date of calibration: 11 July 2025

Date of NEXT calibration: 10 July 2026

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: 11 July 2025

ACOUSTICS AND AIR TESTING LABORATORY CO LTD (A+A)*L

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1. *Calibration Precautions:*

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

- The results presented are the mean of 3 measurements at each calibration point.

2. *Calibration Specifications:*

Calibration check

3. *Calibration Conditions:*

Air Temperature:	24.6 °C
Air Pressure:	1006 hPa
Relative Humidity:	57.5 %

4. *Calibration Equipment:*

Test Equipment	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS
Sound Level Meter	RION NA-28	30721812	AV240109	HOKLAS

5. *Calibration Results*

5.1 Sound Pressure Level

Nominal value dB	Accept lower level dB	Accept upper level dB	Measured value dB
94.0	93.6	94.4	94.0

Note:
The values given in this certification only related to the values measured at the time of the calibration.

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

Certificate of Calibration

for

Description:	***Sound Level Calibrator***
Manufacturer:	***RION***
Type No.:	***NC-75***
Serial No.:	***34724244***

Submitted by:

Customer:	*Aurecon Hong Kong Limited*
Address:	*Unit 1608, 16/F, Tower B,*
	Manulife Financial Centre,
	223-231 Wai Yip Street, Kwun Tong,
	Kowloon, Hong Kong

Upon receipt for calibration, the instrument was found to be:

☑ **Within**
☐ **Outside**

the allowable tolerance.

The test equipments used for calibration are traceable to National Standards via:
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 10 July 2025

Date of calibration: 11 July 2025

Date of NEXT calibration: 10 July 2026

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: 11 July 2025

Certificate No.: APJ25-045-CC001

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

1. *Calibration Precautions:*

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

- The results presented are the mean of 3 measurements at each calibration point.

2. *Calibration Specifications:*

Calibration check

3. *Calibration Conditions:*

Air Temperature:	24.6 **°C**
Air Pressure:	1006 **hPa**
Relative Humidity:	57.5 **%**

4. *Calibration Equipment:*

Test Equipment	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS
Sound Level Meter	RION NA-28	30721812	AV240109	HOKLAS

5. *Calibration Results*

5.1 Sound Pressure Level

Nominal value dB	Accept lower level dB	Accept upper level dB	Measured value dB
94.0	93.6	94.4	94.0

Note:
The values given in this certification only related to the values measured at the time of the calibration.

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

Certificate of Calibration

for

Description:	***Sound Level Calibrator***
Manufacturer:	***RION***
Type No.:	***NC-75***
Serial No.:	***35124530***

Submitted by:

Customer:	*Aurecon Hong Kong Limited*
Address:	*Unit 1608, 16/F, Tower B,*
	Manulife Financial Centre,
	223-231 Wai Yip Street, Kwun Tong,
	Kowloon, Hong Kong

Upon receipt for calibration, the instrument was found to be:

☑ **Within**
☐ **Outside**

the allowable tolerance.

The test equipments used for calibration are traceable to National Standards via:
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 10 July 2025

Date of calibration: 11 July 2025

Date of NEXT calibration: 10 July 2026

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: 11 July 2025

ACOUSTICS AND AIR TESTING LABORATORY CO. LTD. (A+A)*L

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

1. *Calibration Precautions:*

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

- The results presented are the mean of 3 measurements at each calibration point.

2. *Calibration Specifications:*

Calibration check

3. *Calibration Conditions:*

Air Temperature:	24.6 **°C**
Air Pressure:	1006 **hPa**
Relative Humidity:	57.5 **%**

4. *Calibration Equipment:*

Test Equipment	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS
Sound Level Meter	RION NA-28	30721812	AV240109	HOKLAS

5. *Calibration Results*

5.1 Sound Pressure Level

Nominal value dB	Accept lower level dB	Accept upper level dB	Measured value dB
94.0	93.6	94.4	94.0

Note:
The values given in this certification only related to the values measured at the time of the calibration.

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

Water Quality Monitoring Equipment

專業化驗有限公司
QUALITY PRO TEST-CONSULT LIMITED
Unit 10, 5/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong
Email: info@qualityprotest.com; Website: www.qualityprotest.com
Tel: (852) 3956 8717; Fax: (852) 3956 3928

REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BE110100
Date of Issue : 25 November 2025

PART A - CUSTOMER INFORMATION

Acuity Sustainability Consulting Limited
Unit 1608, 16/F, Tower B, Manulife Fin. Centre 223 - 231 Wai Yip Street, Kwun Tong, Kowloon (HK) Hong Kong

PART B - SAMPLE INFORMATION

Name of Equipment :	YSI ProDSS Multi Parameters
Manufacturer :	YSI
Serial Number :	15M101091
Date of Received :	21 November 2025
Date of Calibration :	24 November 2025
Date of Next Calibration :	23 February 2026
Request No. :	D-BE110100

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Test Parameter	Reference Method
pH value	APHA 21e 4500-H^+ B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure
Dissolved oxygen	APHA 23e 4500-O G (Membrane Electrode Method)
Conductivity	APHA 21e 2510 B
Salinity	APHA 21e 2520 B
Turbidity	APHA 21e 2130 B (Nephelometric Method)

PART D - CALIBRATION RESULT

(1) pH value

Target (pH unit)	Display Reading (pH unit)	Tolerance (pH unit)	Result
4.00	4.10	0.10	Satisfactory
7.42	7.48	0.06	Satisfactory
10.01	9.99	-0.02	Satisfactory

Tolerance of pH value should be less than ± 0.2 (pH unit)

(2) Temperature

Reading of Ref. thermometer (°C)	Display Reading (°C)	Tolerance (°C)	Result
12.1	12.1	0	Satisfactory
22.7	22.7	0	Satisfactory
30.9	30.9	0	Satisfactory

Tolerance of Temperature should be less than ± 2.0 (°C)

(3) Dissolved oxygen

Expected Reading (mg/L)	Display Reading (mg/L)	Tolerance (mg/L)	Result
7.95	7.78	-0.17	Satisfactory
5.48	5.21	-0.27	Satisfactory
3.21	3.01	-0.20	Satisfactory
0.02	0.16	0.14	Satisfactory

Tolerance of Dissolved oxygen should be less than ± 0.5 (mg/L)

--- CONTINUED ON NEXT PAGE ---

AUTHORIZED SIGNATORY:

LEE Ngo-fung
Senior Chemist

專業化驗有限公司
QUALITY PRO TEST-CONSULT LIMITED
Unit 10, 5/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong
Email: info@qualityprotest.com; Website: www.qualityprotest.com
Tel: (852) 3956 8717; Fax: (852) 3956 3928

REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BE110100
Date of Issue : 25 November 2025

Tolerance of dissolved oxygen should be less than ... (mg/L)

(4) Conductivity

Expected Reading (µS/cm at 25°C)	Display Reading (µS/cm at 25°C)	Tolerance (%)	Result
146.9	160.1	9.0	Satisfactory
1412	1476	4.5	Satisfactory
12890	12037	-6.6	Satisfactory
58670	55421	-5.5	Satisfactory
111900	108998	-2.6	Satisfactory

Tolerance of Conductivity should be less than ± 10.0 (%)

(5) Salinity

Expected Reading (g/L)	Display Reading (g/L)	Tolerance (%)	Result
10	9.95	-0.50	Satisfactory
20	19.99	-0.05	Satisfactory
30	30.19	-0.63	Satisfactory

Tolerance of Salinity should be less than ± 10.0 (g/L)

(6) Turbidity

Expected Reading (NTU)	Display Reading (NTU)	Tolerance [a] (%)	Result
0	0.04	-	Satisfactory
10	9.48	-5.2	Satisfactory
20	21.78	8.9	Satisfactory
100	98.65	1.4	Satisfactory
800	782.16	-2.2	Satisfactory

Tolerance of Turbidity should be less than ± 10.0 (%)

[a] For 0 NTU, Display Reading should be less than 1 NTU

Remark(s)

- *The "Date of Next Calibration" is recommended according to best practice principles followed by QPT or relevant international standards.*
- *The results relate only to the calibrated equipment as received.*
- *The performance of the equipment stated in this report is checked using independent reference material, with results compared against a calibrated secondary source.*
- *"Displayed Reading" denotes the figure shown on the item under calibration/checking, regardless of equipment precision or significant figures.*
- *The "Tolerance Limit" mentioned is the acceptance criteria applicable to similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards.*

--- END OF REPORT ---

Appendix E
Environmental Monitoring Schedule

Project: Contract No. SPW 01/2025 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

Environmental Monitoring Schedule (January 2026)

Sun	Mon	Tue	Wed	Thur	Fri	Sat
				1 **WQM** Mid Flood (12:30) Mid Ebb (17:00)	2	3 **WQM** Mid Flood (16:00) Mid Ebb (11:30)
4	5 **AQM, NM**	6 **WQM** Mid Flood (08:30) Mid Ebb (13:30)	7	8 **WQM, EMB (Day)** Mid Flood (09:30) Mid Ebb (14:30)	9	10 **AQM, WQM** Mid Flood (09:00) Mid Ebb (15:30)
11	12	13 **WQM** Mid Flood (10:40) Mid Ebb (17:00)	14	15 **WQM** Mid Flood (12:30) Mid Ebb (18:03)	16 **AQM, NM**	17 **WQM** Mid Flood (16:00) Mid Ebb (12:30)
18	19	20 **WQM** Mid Flood (10:40) Mid Ebb (17:00)	21	22 **AQM, NM, WQM, ANRM** Mid Flood (08:30) Mid Ebb (14:03)	23	24 **WQM** Mid Flood (09:00) Mid Ebb (15:00)
25	26	27 **WQM** Mid Flood (09:50) Mid Ebb (16:03)	28 **AQM, NM**	29 **WQM** Mid Flood (10:40) Mid Ebb (17:00)	30	31 **WQM** Mid Flood (10:40) Mid Ebb (17:00)

Remarks:

1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.
2. Air Quality Monitoring (**AQM**): 3 x 1-hour TSP Monitoring per 6 days.
3. Noise Monitoring (**NM**): Leq (30 min) during between 0700 - 1900.
4. Water Quality Monitoring (**WQM**): Once per day for 3 days per week.
5. Ecological Monitoring of Birds (**EMB**): Once per month.
6. Ardeid Night Roost Monitoring (**ANRM**): Once per month.
7. Air Quality Location: AM1 and AM2.
8. Noise Monitoring Location: CM1, CM2 and CM3.
9. Water Quality Monitoring Location: M1, M2, M3.

Project: Contract No. SPW 01/2025Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

Environmental Monitoring Schedule (February 2026)

Sun	Mon	Tue	Wed	Thur	Fri	Sat
1	2	3 **AQM, NM, WQM, ANRM** Mid Flood (17:01) Mid Ebb (09:30)	4	5 **WQM** Mid Flood (08:33) Mid Ebb (14:27)	6	7 **WQM** Mid Flood (09:09) Mid Ebb (13:29)
8	9 **AQM, NM**	10 **WQM** Mid Flood (11:07) Mid Ebb (16:21)	11 **EMB (Day)**	12 **WQM** Mid Flood (16:40) Mid Ebb (08:54)	13 **EMB** (Day)	14 **AQM, WQM** Mid Flood (16:27) Mid Ebb (11:25)
15	16	17 **WQM** Mid Flood (18:04) Mid Ebb (11:24)	18	19 **WQM** Mid Flood (08:34) Mid Ebb (12:53)	20 **AQM, NM**	21 **WQM** Mid Flood (08:29) Mid Ebb (14:14)
22	23	24 **WQM** Mid Flood (11:29) Mid Ebb (16:17)	25	26 **AQM, NM, WQM** Mid Flood (17:01) Mid Ebb (09:30)	27	28 **WQM** Mid Flood (08:29) Mid Ebb (14:14)

Remarks:

1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.
2. Air Quality Monitoring (**AQM**): 3 x 1-hour TSP Monitoring per 6 days.
3. Noise Monitoring (**NM**): Leq (30 min) during between 0700 - 1900.
4. Water Quality Monitoring (**WQM**): Once per day for 3 days per week.
5. Ecological Monitoring of Birds (**EMB**): Once per month.
6. Ardeid Night Roost Monitoring (**ANRM**): Once per month.
7. Air Quality Location: AM1 and AM2.
8. Noise Monitoring Location: CM1, CM2 and CM3.
9. Water Quality Monitoring Location: M1, M2, M3.

Project: Contract No. SPW 01/2025 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

Environmental Monitoring Schedule (March 2026)

Sun	Mon	Tue	Wed	Thur	Fri	Sat
1	2	3 **WQM, ANRM** Mid Flood (17:01) Mid Ebb (09:30)	4 **AQM, NM**	5 **WQM** Mid Flood (08:33) Mid Ebb (14:27)	6	7 **WQM** Mid Flood (09:09) Mid Ebb (13:29)
8	9	10 **WQM, AQM, NM** Mid Flood (11:07) Mid Ebb (16:21)	11 **EMB (Day)**	12 **WQM** Mid Flood (16:40) Mid Ebb (08:54)	13 **EMB** (Day)	14 **WQM** Mid Flood (16:27) Mid Ebb (11:25)
15	16 **AQM, NM**	17 **WQM** Mid Flood (18:04) Mid Ebb (11:24)	18	19 **WQM** Mid Flood (08:34) Mid Ebb (12:53)	20	21 **WQM, AQM** Mid Flood (08:29) Mid Ebb (14:14)
22	23	24 **WQM** Mid Flood (11:29) Mid Ebb (16:17)	25	26 **WQM** Mid Flood (17:01) Mid Ebb (09:30)	27 **AQM, NM**	28 **WQM** Mid Flood (08:29) Mid Ebb (14:14)
29	30	31				

Remarks:

1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.
2. Air Quality Monitoring (**AQM**): 3 x 1-hour TSP Monitoring per 6 days.
3. Noise Monitoring (**NM**): Leq (30 min) during between 0700 - 1900.
4. Water Quality Monitoring (**WQM**): Once per day for 3 days per week.
5. Ecological Monitoring of Birds (**EMB**): Once per month.
6. Ardeid Night Roost Monitoring (**ANRM**): Once per month.
7. Air Quality Location: AM1 and AM2.
8. Noise Monitoring Location: CM1, CM2 and CM3.
9. Water Quality Monitoring Location: M1, M2, M3.

Appendix F
Environmental Monitoring Results

Air Quality Monitoring Results

1-hour TSP Monitoring Result for

Contract No. SPW 02/2023

Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

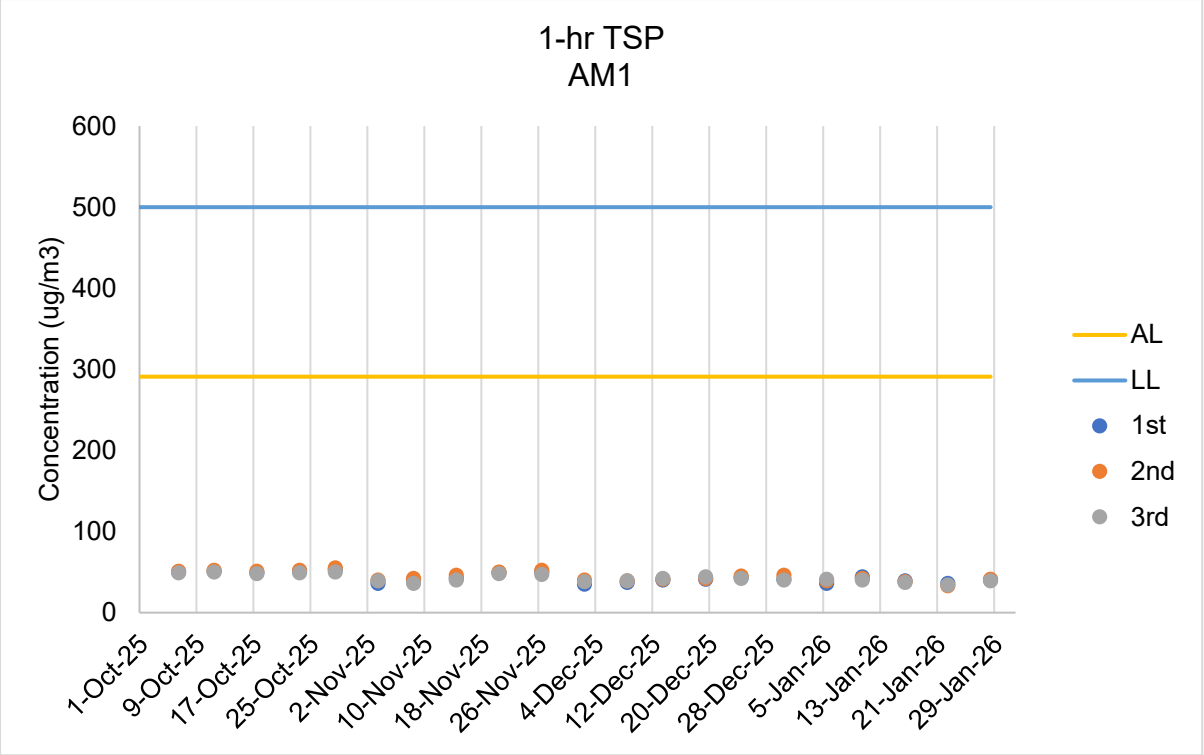
AM1 - Topfine Machinery (China) Co. Ltd.

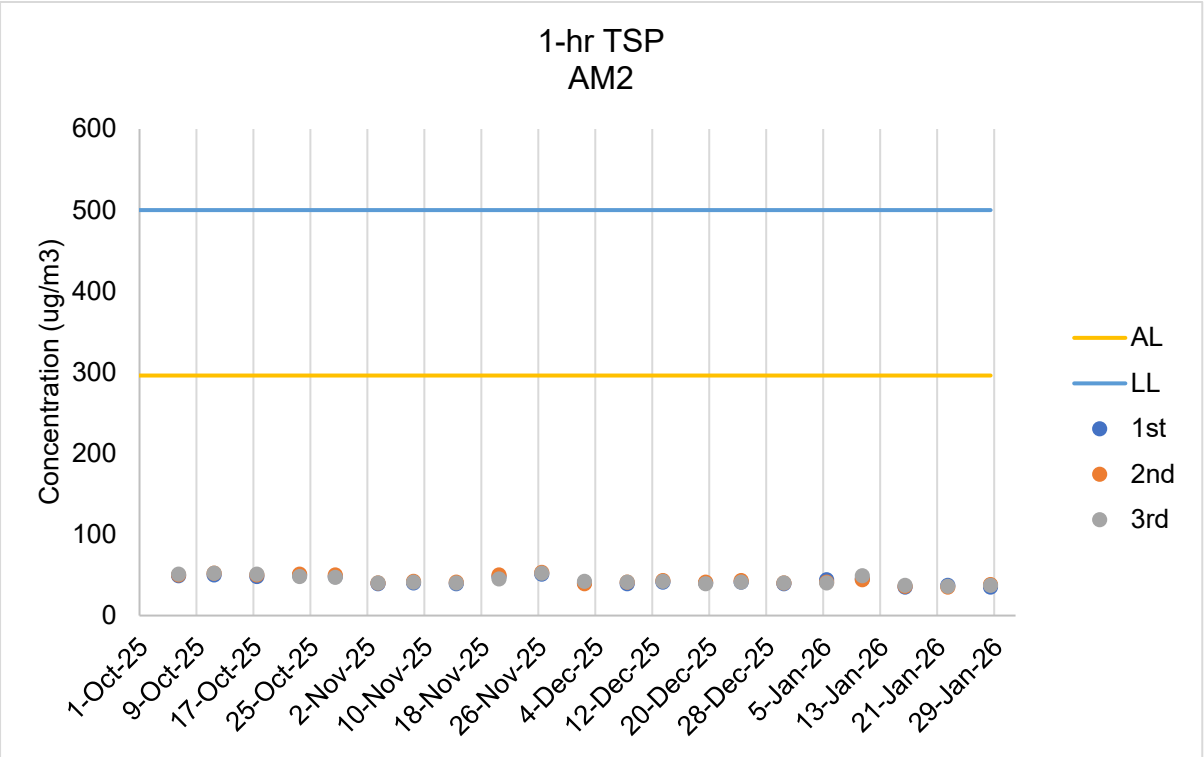
Date	Weather Condition	Start Time	1-hour TSP (μg/m³) 1st Measurement	2nd Measurement	3rd Measurement	Action Level (ug/m^3)	Limit Level (ug/m^3)
5/1/2026	Fine	9:00	36	39	41	291	500
10/1/2026	Fine	8:45	44	42	40		
16/1/2026	Fine	8:32	39	38	37		
22/1/2026	Fine	8:12	36	33	34		
28/1/2026	Fine	8:11	40	41	39		
		Min	33				
		Max	44				
		Average	39				

AM2 - Squatter house at the west of Yuen Long STW

Date	Weather Condition	Start Time	1-hour TSP (μg/m³) 1st Measurement	2nd Measurement	3rd Measurement	Action Level (ug/m^3)	Limit Level (ug/m^3)
5/1/2026	Fine	13:02	44	41	40	296	500
10/1/2026	Fine	14:11	45	44	49		
16/1/2026	Fine	14:10	35	36	37		
22/1/2026	Fine	14:09	37	35	36		
28/1/2026	Fine	13:23	35	38	37		
		Min	35				
		Max	49				
		Average	39				

Note:
Underline: Exceedance of Action Level
Underline and Bold: Exceedance of Limit Level





Air Quality Monitoring Results

Noise Monitoring Results

Noise Impact Monitoring Result for
Contract No. SPW 01/2025
Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

CM1 - Squatter house to the north of YLSTW

Date	Start Time	L_{eq} 30min dB(A)	L_{10} dB(A)	L_{90} dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
5/1/2026	8:10	60.2	61.25	58.5	0.0	Fine	75
10/1/2026	8:06	62.5	63.5	59.3	1.1	Fine	75
16/1/2026	7:51	59.2	61.5	56.6	0.3	Fine	75
22/1/2026	7:47	58.5	60.9	56.8	0.6	Fine	75
28/1/2026	7:32	60.2	62.2	58.2	0.9	Fine	75
	Max	62.5					
	Min	58.5					

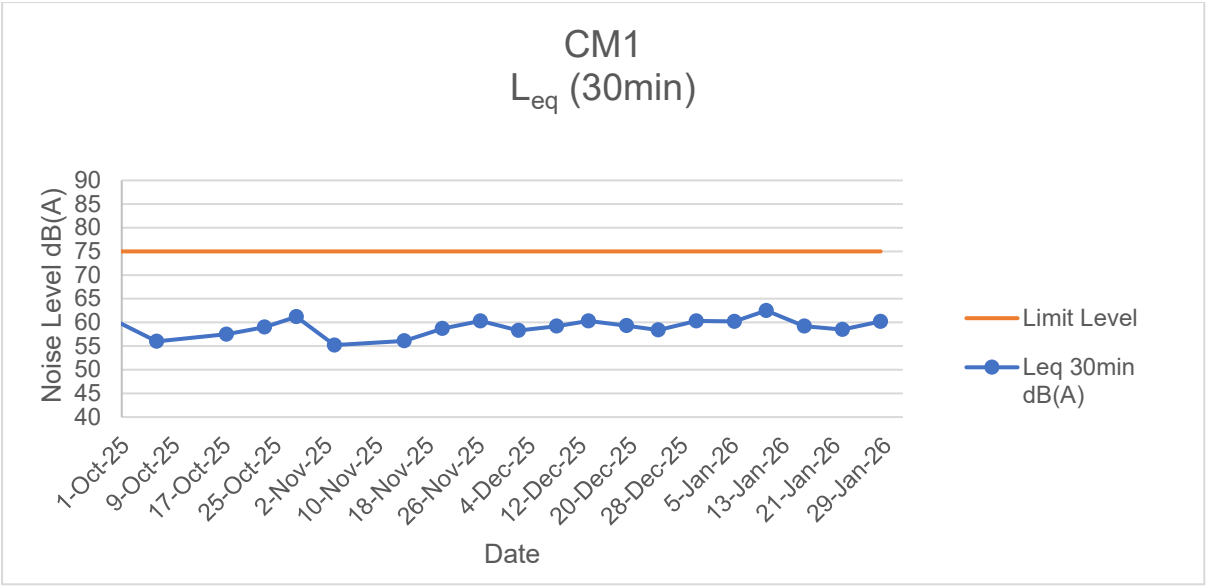
CM2 - Squatter house to the west of YLSTW

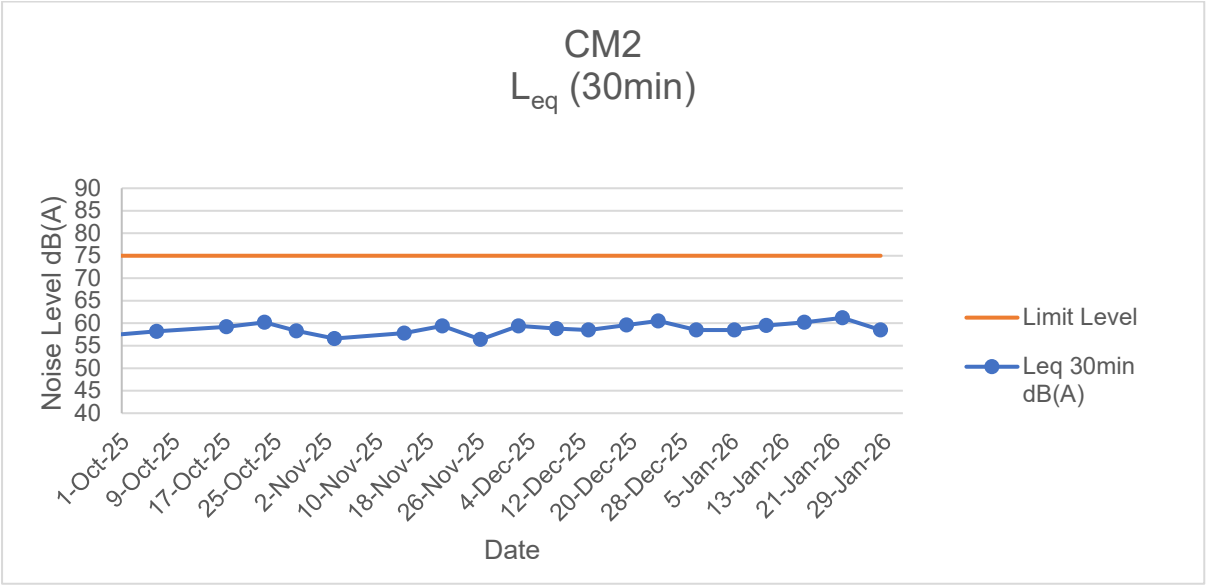
Date	Start Time	L_{eq} 30min dB(A)	L_{10} dB(A)	L_{90} dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
5/1/2026	14:38	58.5	60.2	57.5	0.6	Fine	75
10/1/2026	13:06	59.5	61.2	58.2	0.8	Fine	75
16/1/2026	13:04	60.2	62.1	57.8	0.9	Fine	75
22/1/2026	13:07	61.2	62.3	60.2	1.1	Fine	75
28/1/2026	12:23	58.5	60.2	57.5	1.1	Fine	75
	Max	61.2					
	Min	58.5					

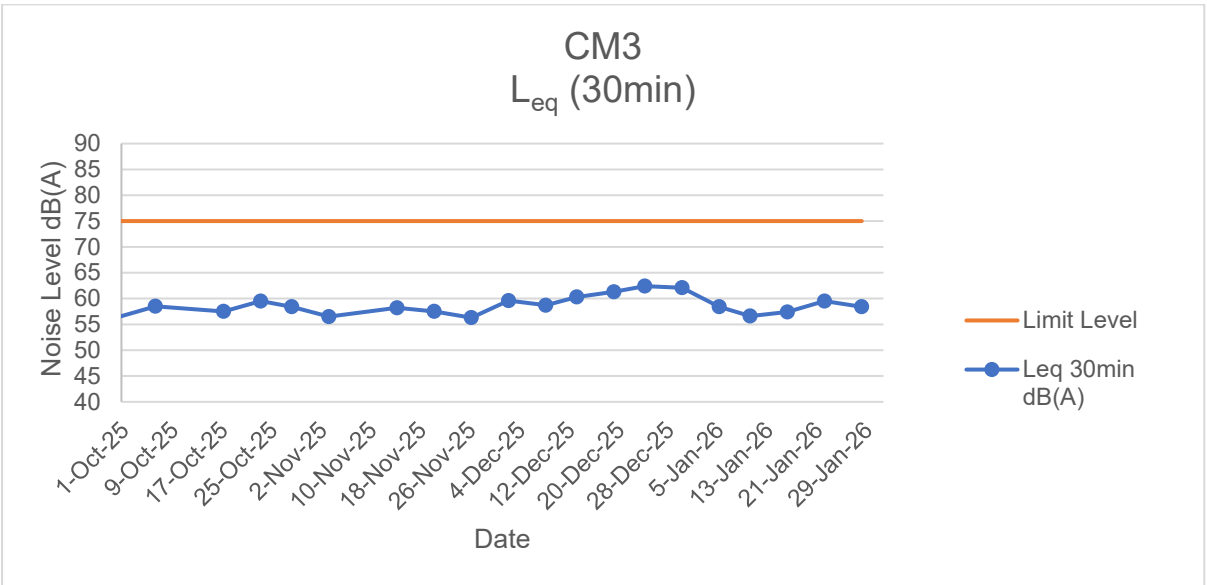
CM3 - Squatter house to the east of YLSTW

Date	Start Time	L_{eq} 30min dB(A)	L_{10} dB(A)	L_{90} dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
5/1/2026	10:34	58.4	60.2	55.2	0.2	Fine	75
10/1/2026	10:18	56.6	58.5	56.9	1.4	Fine	75
16/1/2026	10:04	57.4	59.4	55.4	1.1	Fine	75
22/1/2026	9:43	59.5	61.2	54.8	0.9	Fine	75
28/1/2026	9:17	58.4	50.8	55.9	2.9	Fine	75
	Max	59.5					
	Min	56.6					

Note:
CM1, CM2 and CM3: Free-field measurement (+3dB(A) correction has been applied).
No raining or wind with speed over 5 m/s was observed during noise monitoring according to the onsite observation.







Noise Monitoring Results

Water Quality Monitoring Results

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	1/1/2026	Mid-Flood	Cloudy	Low	11:34	2.4	M	1.20	1	0.095	161.718	7.12	7.13	3.04	3.01	20.5	20.50	38.6	38.30	2.82	2.80	22.50	22.675	2.5	3
M1	1/1/2026	Mid-Flood	Cloudy	Low	11:34	2.4	M	1.20	2			7.14		2.97		20.5		38.0		2.78		22.85		2.5	
M2	1/1/2026	Mid-Flood	Cloudy	Low	11:59	2.2	M	1.10	1	0.088	188.13	7.15	7.16	2.84	2.86	20.5	20.55	37.3	36.75	2.72	2.69	23.37	23.35	4	4
M2	1/1/2026	Mid-Flood	Cloudy	Low	11:59	2.2	M	1.10	2			7.17		2.88		20.6		36.2		2.65		23.33		4	
M3	1/1/2026	Mid-Flood	Cloudy	Low	12:12	1.9	M	0.95	1	0.08	185.023	7.17	7.17	3.36	3.41	20.5	20.50	51.6	52.40	3.77	3.83	29.19	29.09	4	4
M3	1/1/2026	Mid-Flood	Cloudy	Low	12:12	1.9	M	0.95	2			7.17		3.45		20.5		53.2		3.88		28.99		4	
M1	1/1/2026	Mid-Ebb	Cloudy	Low	9:19	2.3	M	1.15	1	0.068	319.234	7.12	7.11	2.76	2.72	20.2	20.20	38.1	38.75	2.78	2.83	21.01	20.795	2.5	3
M1	1/1/2026	Mid-Ebb	Cloudy	Low	9:19	2.3	M	1.15	2			7.1		2.68		20.2		39.4		2.87		20.58		3	
M2	1/1/2026	Mid-Ebb	Cloudy	Low	8:47	2.1	M	1.05	1	0.059	342.162	7.19	7.20	2.72	2.72	20.2	20.25	37.1	37.50	2.7	2.73	23.34	23.24	2.5	3
M2	1/1/2026	Mid-Ebb	Cloudy	Low	8:47	2.1	M	1.05	2			7.2		2.72		20.3		37.9		2.75		23.14		4	
M3	1/1/2026	Mid-Ebb	Cloudy	Low	9:27	1.9	M	0.95	1	0.067	331.519	7.15	7.16	3.43	3.39	20.2	20.25	52.1	51.60	3.8	3.77	31.00	30.79	5	4
M3	1/1/2026	Mid-Ebb	Cloudy	Low	9:27	1.9	M	0.95	2			7.16		3.34		20.3		51.1		3.73		30.58		3	

Remark

1. Orange and Bold: Action Level Exceedance (For Impact Station Only)
2. Red and Bold: Limit Level Exceedance (For Impact Station Only)
3. Action Level for Turbidity: 95%-ile of baseline data or 120% of upstream control station’ s turbidity recorded on the same day.
4. Limit Level for Turbidity: 99%-ile of baseline data or 130% of upstream control station's turbidity recorded on the same day.
5. Action Level for SS: 95%-ile of baseline data or 120% of upstream control station’ s SS recorded on the same day.
6. Limit Level for SS: 99%-ile of baseline data or 130% of upstream control station's SS recorded on the same day.

For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	3/1/2026	Mid-Flood	Sunny	Low	13:05	2.5	M	1.25	1	0.077	175.907	7.11	7.11	3.57	3.61	21.6	21.60	39.5	38.50	2.88	2.81	22.58	22.385	2.5	3
M1	3/1/2026	Mid-Flood	Sunny	Low	13:05	2.5	M	1.25	2			7.1		3.64		21.6		37.5		2.74		22.19		2.5	
M2	3/1/2026	Mid-Flood	Sunny	Low	13:42	2.3	M	1.15	1	0.09	184.408	7.13	7.14	3.68	3.65	21.6	21.60	40.0	39.30	2.92	2.87	23.44	23.61	2.5	3
M2	3/1/2026	Mid-Flood	Sunny	Low	13:42	2.3	M	1.15	2			7.15		3.62		21.6		38.6		2.82		23.78		2.5	
M3	3/1/2026	Mid-Flood	Sunny	Low	13:52	2	M	1.00	1	0.074	186.337	7.16	7.16	3.78	3.78	21.6	21.60	51.9	52.30	3.79	3.82	31.37	31.19	2.5	3
M3	3/1/2026	Mid-Flood	Sunny	Low	13:53	2	M	1.00	2			7.15		3.78		21.6		52.7		3.85		31.01		2.5	
M1	3/1/2026	Mid-Ebb	Sunny	Low	8:49	2.4	M	1.20	1	0.069	341.946	7.12	7.13	3.26	3.28	21.2	21.20	39.0	38.40	2.85	2.81	22.28	22.32	2.5	3
M1	3/1/2026	Mid-Ebb	Sunny	Low	8:49	2.4	M	1.20	2			7.14		3.29		21.2		37.8		2.76		22.36		2.5	
M2	3/1/2026	Mid-Ebb	Sunny	Low	8:18	2.1	M	1.05	1	0.079	306.588	7.11	7.11	3.33	3.30	21.2	21.20	40.1	40.65	2.93	2.97	23.69	23.745	2.5	3
M2	3/1/2026	Mid-Ebb	Sunny	Low	8:18	2.1	M	1.05	2			7.1		3.26		21.2		41.2		3		23.8		2.5	
M3	3/1/2026	Mid-Ebb	Sunny	Low	9:01	1.9	M	0.95	1	0.081	343.678	7.19	7.19	3.89	3.85	21.2	21.25	52.9	53.30	3.86	3.89	32.98	32.91	2.5	3
M3	3/1/2026	Mid-Ebb	Sunny	Low	9:01	1.9	M	0.95	2			7.18		3.8		21.3		53.7		3.92		32.84		2.5	

Remark

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4. Limit Level for Turbidity: 99%-ile of baseline data or 130% of upstream control station's turbidity recorded on the same day.
5. Action Level for SS: 95%-ile of baseline data or 120% of upstream control station’ s SS recorded on the same day.
6. Limit Level for SS: 99%-ile of baseline data or 130% of upstream control station's SS recorded on the same day.

For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	6/1/2026	Mid-Flood	Sunny	Low	15:15	2.2	M	1.10	1	0.082	169.042	7.16	7.17	3.09	3.07	22.1	22.10	36.9	37.35	2.69	2.73	21.99	22.16	23	26
M1	6/1/2026	Mid-Flood	Sunny	Low	15:15	2.2	M	1.10	2			7.17		3.04		22.1		37.8		2.76		22.33		29	
M2	6/1/2026	Mid-Flood	Sunny	Low	15:49	2	M	1.00	1	0.081	186.158	7.17	7.18	2.98	2.97	22.1	22.15	37.9	37.60	2.77	2.75	23.37	23.28	27	27
M2	6/1/2026	Mid-Flood	Sunny	Low	15:49	2	M	1.00	2			7.18		2.95		22.2		37.3		2.72		23.19		26	
M3	6/1/2026	Mid-Flood	Sunny	Low	15:58	1.8	M	0.90	1	0.092	183.378	7.19	7.19	3.64	3.63	22.1	22.15	51.2	50.25	3.74	3.67	32.03	32.06	28	29
M3	6/1/2026	Mid-Flood	Sunny	Low	15:58	1.8	M	0.90	2			7.19		3.62		22.2		49.3		3.6		32.09		30	
M1	6/1/2026	Mid-Ebb	Sunny	Low	10:55	2.3	M	1.15	1	0.072	316.377	7.15	7.16	2.75	2.72	21.8	21.80	38.4	38.45	2.8	2.81	21.58	21.445	23	28
M1	6/1/2026	Mid-Ebb	Sunny	Low	10:55	2.3	M	1.15	2			7.17		2.68		21.8		38.5		2.81		21.31		33	
M2	6/1/2026	Mid-Ebb	Sunny	Low	10:24	2	M	1.00	1	0.062	315.682	7.16	7.17	2.99	2.95	21.8	21.80	36.7	36.00	2.68	2.63	22.25	22.42	30	30
M2	6/1/2026	Mid-Ebb	Sunny	Low	10:24	2	M	1.00	2			7.17		2.9		21.8		35.3		2.58		22.59		30	
M3	6/1/2026	Mid-Ebb	Sunny	Low	11:09	1.7	M	0.85	1	0.072	322.394	7.19	7.20	3.72	3.74	21.8	21.80	51.2	50.60	3.74	3.70	33.88	33.715	43	42
M3	6/1/2026	Mid-Ebb	Sunny	Low	11:09	1.7	M	0.85	2			7.21		3.75		21.8		50.0		3.65		33.55		40	

Remark

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For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	8/1/2026	Mid-Flood	Sunny	Low	17:01	2.5	M	1.25	1	0.091	179.266	7.18	7.19	3.00	3.03	20.8	20.80	38.8	38.35	2.83	2.80	25.58	25.42	10	9
M1	8/1/2026	Mid-Flood	Sunny	Low	17:01	2.5	M	1.25	2			7.19		3.05		20.8		37.9		2.77		25.26		8	
M2	8/1/2026	Mid-Flood	Sunny	Low	17:36	2.1	M	1.05	1	0.074	165.285	7.13	7.13	2.93	2.93	20.8	20.80	36.9	37.35	2.69	2.73	26.11	26.245	18	16
M2	8/1/2026	Mid-Flood	Sunny	Low	17:36	2.1	M	1.05	2			7.12		2.92		20.8		37.8		2.76		26.38		14	
M3	8/1/2026	Mid-Flood	Sunny	Low	17:48	1.9	M	0.95	1	0.074	179.814	7.11	7.12	3.31	3.35	20.8	20.85	52.1	51.55	3.8	3.76	36.99	36.95	23	23
M3	8/1/2026	Mid-Flood	Sunny	Low	17:48	1.9	M	0.95	2			7.13		3.38		20.9		51.0		3.72		36.91		22	
M1	8/1/2026	Mid-Ebb	Sunny	Low	12:03	2.3	M	1.15	1	0.078	324.606	7.2	7.19	2.74	2.75	21.1	21.10	36.6	37.35	2.67	2.73	24.10	24.23	16	17
M1	8/1/2026	Mid-Ebb	Sunny	Low	12:03	2.3	M	1.15	2			7.18		2.75		21.1		38.1		2.78		24.36		18	
M2	8/1/2026	Mid-Ebb	Sunny	Low	11:36	2	M	1.00	1	0.058	341.354	7.19	7.20	2.72	2.73	21.1	21.15	38.8	39.00	2.83	2.85	25.35	25.36	26	25
M2	8/1/2026	Mid-Ebb	Sunny	Low	11:36	2	M	1.00	2			7.2		2.73		21.2		39.2		2.86		25.37		23	
M3	8/1/2026	Mid-Ebb	Sunny	Low	12:22	1.8	M	0.90	1	0.079	321.554	7.17	7.17	3.46	3.42	21.1	21.10	54.0	54.05	3.94	3.95	37.95	37.86	21	22
M3	8/1/2026	Mid-Ebb	Sunny	Low	12:22	1.8	M	0.90	2			7.16		3.37		21.1		54.1		3.95		37.77		23	

Remark

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For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	10/1/2026	Mid-Flood	Sunny	Low	16:23	2.2	M	1.10	1	0.073	168.486	7.18	7.17	2.91	2.96	19.9	19.90	36.4	36.35	2.66	2.66	23.58	23.73	2.5	3
M1	10/1/2026	Mid-Flood	Sunny	Low	16:23	2.2	M	1.10	2			7.16		3		19.9		36.3		2.65		23.88		2.5	
M2	10/1/2026	Mid-Flood	Sunny	Low	16:57	2	M	1.00	1	0.086	171.343	7.14	7.13	2.86	2.89	19.9	19.95	36.7	35.70	2.68	2.61	24.31	24.37	2.5	3
M2	10/1/2026	Mid-Flood	Sunny	Low	16:57	2	M	1.00	2			7.12		2.91		20		34.7		2.53		24.43		2.5	
M3	10/1/2026	Mid-Flood	Sunny	Low	17:06	1.8	M	0.90	1	0.083	166.897	7.12	7.13	3.40	3.40	19.9	19.95	53.0	53.75	3.87	3.93	32.00	32.115	2.5	3
M3	10/1/2026	Mid-Flood	Sunny	Low	17:06	1.8	M	0.90	2			7.14		3.39		20		54.5		3.98		32.23		2.5	
M1	10/1/2026	Mid-Ebb	Sunny	Low	13:01	2.3	M	1.15	1	0.073	318.888	7.13	7.13	2.70	2.67	20.1	20.10	38.5	39.10	2.81	2.86	22.00	22.01	3	3
M1	10/1/2026	Mid-Ebb	Sunny	Low	13:01	2.3	M	1.15	2			7.13		2.63		20.1		39.7		2.9		22.02		2.5	
M2	10/1/2026	Mid-Ebb	Sunny	Low	12:32	2	M	1.00	1	0.075	301.556	7.13	7.13	2.70	2.72	20.1	20.10	36.7	36.30	2.68	2.65	23.34	23.46	2.5	3
M2	10/1/2026	Mid-Ebb	Sunny	Low	12:32	2	M	1.00	2			7.12		2.73		20.1		35.9		2.62		23.58		2.5	
M3	10/1/2026	Mid-Ebb	Sunny	Low	13:15	1.7	M	0.85	1	0.078	309.873	7.15	7.14	3.39	3.43	20.1	20.10	51.1	50.90	3.73	3.72	33.93	33.78	2.5	3
M3	10/1/2026	Mid-Ebb	Sunny	Low	13:15	1.7	M	0.85	2			7.13		3.47		20.1		50.7		3.7		33.63		2.5	

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For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	13/1/2026	Mid-Flood	Cloudy	Low	9:32	2.5	M	1.25	1	0.074	179.423	7.08	7.07	3.19	3.17	20.0	20.05	38.5	39.00	2.81	2.85	26.00	25.955	15	18
M1	13/1/2026	Mid-Flood	Cloudy	Low	9:32	2.5	M	1.25	2			7.06		3.15		20.1		39.5		2.88		25.91		20	
M2	13/1/2026	Mid-Flood	Cloudy	Low	10:01	2.3	M	1.15	1	0.088	173.249	7.06	7.06	3.02	3.04	20.0	20.00	37.4	36.85	2.73	2.69	25.58	25.45	19	19
M2	13/1/2026	Mid-Flood	Cloudy	Low	10:01	2.3	M	1.15	2			7.06		3.06		20		36.3		2.65		25.32		19	
M3	13/1/2026	Mid-Flood	Cloudy	Low	10:16	2	M	1.00	1	0.08	185.94	7.11	7.11	3.31	3.28	20.0	20.00	52.6	51.70	3.84	3.78	38.00	38.09	14	15
M3	13/1/2026	Mid-Flood	Cloudy	Low	10:16	2	M	1.00	2			7.11		3.25		20		50.8		3.71		38.18		16	
M1	13/1/2026	Mid-Ebb	Cloudy	Low	14:48	2.4	M	1.20	1	0.063	330.773	7.05	7.04	2.92	2.89	20.2	20.25	38.6	38.15	2.82	2.79	25.12	25.01	19	18
M1	13/1/2026	Mid-Ebb	Cloudy	Low	14:48	2.4	M	1.20	2			7.03		2.85		20.3		37.7		2.75		24.9		16	
M2	13/1/2026	Mid-Ebb	Cloudy	Low	14:12	2.1	M	1.05	1	0.076	323.263	7.06	7.06	2.88	2.86	20.2	20.25	36.3	35.90	2.65	2.62	26.23	26.3	17	19
M2	13/1/2026	Mid-Ebb	Cloudy	Low	14:12	2.1	M	1.05	2			7.06		2.83		20.3		35.5		2.59		26.37		21	
M3	13/1/2026	Mid-Ebb	Cloudy	Low	14:57	1.9	M	0.95	1	0.069	338.598	7.09	7.10	3.35	3.31	20.2	20.20	53.4	53.60	3.9	3.92	39.88	39.7	25	24
M3	13/1/2026	Mid-Ebb	Cloudy	Low	14:57	1.9	M	0.95	2			7.1		3.27		20.2		53.8		3.93		39.52		23	

Remark

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For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	15/1/2026	Mid-Flood	Sunny	Low	10:35	2.3	M	1.15	1	0.088	179.66	7.12	7.12	2.98	2.97	19.5	19.55	37.3	36.80	2.68	2.65	22.07	22.15	26	27
M1	15/1/2026	Mid-Flood	Sunny	Low	10:35	2.3	M	1.15	2			7.12		2.95		19.6		36.3		2.61		22.23		27	
M2	15/1/2026	Mid-Flood	Sunny	Low	11:03	2.1	M	1.05	1	0.083	174.614	7.15	7.15	2.86	2.90	19.5	19.55	39.1	38.65	2.81	2.78	23.28	23.105	32	28
M2	15/1/2026	Mid-Flood	Sunny	Low	11:03	2.1	M	1.05	2			7.15		2.93		19.6		38.2		2.75		22.93		23	
M3	15/1/2026	Mid-Flood	Sunny	Low	11:14	1.9	M	0.95	1	0.087	169.374	7.18	7.19	3.31	3.32	19.5	19.50	53.5	53.25	3.85	3.83	29.17	28.95	29	29
M3	15/1/2026	Mid-Flood	Sunny	Low	11:14	1.9	M	0.95	2			7.19		3.33		19.5		53.0		3.81		28.73		28	
M1	15/1/2026	Mid-Ebb	Sunny	Low	9:50	2.3	M	1.15	1	0.08	335.228	7.15	7.15	2.82	2.81	19.2	19.20	38.1	37.35	2.74	2.69	20.98	20.925	29	28
M1	15/1/2026	Mid-Ebb	Sunny	Low	9:50	2.3	M	1.15	2			7.14		2.8		19.2		36.6		2.63		20.87		27	
M2	15/1/2026	Mid-Ebb	Sunny	Low	9:21	2	M	1.00	1	0.068	319.473	7.13	7.13	2.79	2.75	19.2	19.25	39.1	39.20	2.81	2.82	23.18	23.31	24	26
M2	15/1/2026	Mid-Ebb	Sunny	Low	9:22	2	M	1.00	2			7.13		2.7		19.3		39.3		2.83		23.44		27	
M3	15/1/2026	Mid-Ebb	Sunny	Low	10:06	1.8	M	0.90	1	0.072	328.577	7.2	7.20	3.58	3.54	19.2	19.20	53.5	54.00	3.85	3.89	30.89	30.94	38	33
M3	15/1/2026	Mid-Ebb	Sunny	Low	10:06	1.8	M	0.90	2			7.19		3.49		19.2		54.5		3.92		30.99		28	

Remark

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5. Action Level for SS: 95%-ile of baseline data or 120% of upstream control station’ s SS recorded on the same day.
6. Limit Level for SS: 99%-ile of baseline data or 130% of upstream control station's SS recorded on the same day.

For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	17/1/2026	Mid-Flood	Sunny	Low	12:46	2.2	M	1.10	1	0.094	170.267	7.12	7.11	3.58	3.54	21.1	21.10	38.9	38.05	2.76	2.70	26.22	26.305	3	4
M1	17/1/2026	Mid-Flood	Sunny	Low	12:46	2.2	M	1.10	2			7.1		3.5		21.1		37.2		2.64		26.39		4	
M2	17/1/2026	Mid-Flood	Sunny	Low	13:22	2	M	1.00	1	0.092	178.837	7.13	7.14	3.61	3.62	21.1	21.10	39.3	39.95	2.79	2.84	27.99	27.97	2.5	3
M2	17/1/2026	Mid-Flood	Sunny	Low	13:22	2	M	1.00	2			7.14		3.62		21.1		40.6		2.88		27.95		3	
M3	17/1/2026	Mid-Flood	Sunny	Low	13:34	1.8	M	0.90	1	0.086	168.985	7.19	7.20	4.21	4.19	21.1	21.15	53.6	52.55	3.8	3.73	41.11	40.92	4	5
M3	17/1/2026	Mid-Flood	Sunny	Low	13:34	1.8	M	0.90	2			7.2		4.17		21.2		51.5		3.65		40.73		6	
M1	17/1/2026	Mid-Ebb	Sunny	Low	8:42	2.3	M	1.15	1	0.059	336.107	7.11	7.12	3.70	3.68	20.6	20.65	37.4	37.60	2.65	2.67	25.69	25.66	4	5
M1	17/1/2026	Mid-Ebb	Sunny	Low	8:42	2.3	M	1.15	2			7.12		3.65		20.7		37.8		2.68		25.63		5	
M2	17/1/2026	Mid-Ebb	Sunny	Low	8:06	2	M	1.00	1	0.077	306.04	7.1	7.11	3.66	3.70	20.6	20.60	37.2	37.00	2.64	2.63	26.36	26.345	5	6
M2	17/1/2026	Mid-Ebb	Sunny	Low	8:06	2	M	1.00	2			7.12		3.74		20.6		36.8		2.61		26.33		6	
M3	17/1/2026	Mid-Ebb	Sunny	Low	8:55	1.7	M	0.85	1	0.058	334.675	7.18	7.19	4.18	4.16	20.6	20.60	53.4	53.95	3.79	3.83	42.28	42.41	3	4
M3	17/1/2026	Mid-Ebb	Sunny	Low	8:55	1.7	M	0.85	2			7.19		4.13		20.6		54.5		3.87		42.54		5	

Remark

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6. Limit Level for SS: 99%-ile of baseline data or 130% of upstream control station's SS recorded on the same day.

For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	20/1/2026	Mid-Flood	Sunny	Low	14:29	2.4	M	1.20	1	0.081	182.557	7.13	7.12	3.03	3.01	20.8	20.85	38.1	38.70	2.78	2.83	22.41	22.265	16	18
M1	20/1/2026	Mid-Flood	Sunny	Low	14:30	2.4	M	1.20	2			7.11		2.98		20.9		39.3		2.87		22.12		19	
M2	20/1/2026	Mid-Flood	Sunny	Low	15:05	2.2	M	1.10	1	0.089	181.138	7.16	7.16	2.85	2.81	20.8	20.85	39.5	40.10	2.88	2.93	23.45	23.265	27	30
M2	20/1/2026	Mid-Flood	Sunny	Low	15:05	2.2	M	1.10	2			7.15		2.77		20.9		40.7		2.97		23.08		32	
M3	20/1/2026	Mid-Flood	Sunny	Low	15:21	1.9	M	0.95	1	0.082	172.96	7.16	7.15	3.35	3.34	20.8	20.85	50.7	50.20	3.7	3.66	29.12	28.99	42	47
M3	20/1/2026	Mid-Flood	Sunny	Low	15:21	1.9	M	0.95	2			7.14		3.32		20.9		49.7		3.62		28.86		51	
M1	20/1/2026	Mid-Ebb	Sunny	Low	9:59	2.3	M	1.15	1	0.071	309.303	7.2	7.21	2.80	2.82	20.5	20.50	40.8	39.85	2.98	2.91	21.14	21.295	41	42
M1	20/1/2026	Mid-Ebb	Sunny	Low	9:59	2.3	M	1.15	2			7.22		2.83		20.5		38.9		2.84		21.45		42	
M2	20/1/2026	Mid-Ebb	Sunny	Low	9:32	2.1	M	1.05	1	0.065	320.09	7.14	7.15	2.82	2.79	20.5	20.50	41.2	41.85	3.01	3.06	23.31	23.48	44	41
M2	20/1/2026	Mid-Ebb	Sunny	Low	9:32	2.1	M	1.05	2			7.15		2.75		20.5		42.5		3.1		23.65		38	
M3	20/1/2026	Mid-Ebb	Sunny	Low	10:11	1.9	M	0.95	1	0.067	332.054	7.2	7.21	3.40	3.37	20.5	20.55	54.7	54.80	3.99	4.00	30.90	31.02	61	62
M3	20/1/2026	Mid-Ebb	Sunny	Low	10:11	1.9	M	0.95	2			7.22		3.34		20.6		54.9		4		31.14		62	

Remark

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6. Limit Level for SS: 99%-ile of baseline data or 130% of upstream control station's SS recorded on the same day.

For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	61.5	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	22/1/2026	Mid-Flood	Cloudy	Low	15:46	2.3	M	1.15	1	0.093	166.66	7.06	7.05	3.04	3.01	21.1	21.15	41.0	41.50	2.89	2.93	22.83	22.625	44	47
M1	22/1/2026	Mid-Flood	Cloudy	Low	15:46	2.3	M	1.15	2			7.04		2.97		21.2		42.0		2.96		22.42		49	
M2	22/1/2026	Mid-Flood	Cloudy	Low	16:12	2.1	M	1.05	1	0.085	181.206	7.07	7.08	2.87	2.87	21.1	21.10	42.5	42.00	2.99	2.96	23.41	23.505	46	51
M2	22/1/2026	Mid-Flood	Cloudy	Low	16:12	2.1	M	1.05	2			7.09		2.86		21.1		41.5		2.92		23.6		56	
M3	22/1/2026	Mid-Flood	Cloudy	Low	16:23	1.9	M	0.95	1	0.074	171.216	7.15	7.14	3.29	3.26	21.1	21.10	55.5	55.65	3.91	3.92	32.27	32.45	46	48
M3	22/1/2026	Mid-Flood	Cloudy	Low	16:23	1.9	M	0.95	2			7.13		3.23		21.1		55.8		3.93		32.63		49	
M1	22/1/2026	Mid-Ebb	Cloudy	Low	10:44	2.3	M	1.15	1	0.066	311.143	7.07	7.08	2.80	2.76	20.8	20.85	39.6	39.45	2.79	2.78	23.69	23.48	51	54
M1	22/1/2026	Mid-Ebb	Cloudy	Low	10:44	2.3	M	1.15	2			7.09		2.71		20.9		39.3		2.77		23.27		57	
M2	22/1/2026	Mid-Ebb	Cloudy	Low	10:18	2	M	1.00	1	0.072	306.153	7.08	7.09	2.81	2.81	20.8	20.85	39.5	39.90	2.78	2.81	24.17	24.35	52	51
M2	22/1/2026	Mid-Ebb	Cloudy	Low	10:18	2	M	1.00	2			7.1		2.8		20.9		40.3		2.84		24.53		50	
M3	22/1/2026	Mid-Ebb	Cloudy	Low	10:55	1.8	M	0.90	1	0.064	315.756	7.18	7.19	3.47	3.50	20.8	20.85	57.1	57.60	4.02	4.06	32.98	32.76	56	57
M3	22/1/2026	Mid-Ebb	Cloudy	Low	10:55	1.8	M	0.90	2			7.19		3.52		20.9		58.1		4.09		32.54		58	

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For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	64.8	70.2

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	24/1/2026	Mid-Flood	Sunny	Low	16:55	2.2	M	1.10	1	0.086	164.578	7.17	7.18	3.07	3.07	22.5	22.55	41.0	41.10	2.99	3.00	22.46	22.55	5	5
M1	24/1/2026	Mid-Flood	Sunny	Low	16:55	2.2	M	1.10	2			7.19		3.07		22.6		41.2		3.01		22.64		4	
M2	24/1/2026	Mid-Flood	Sunny	Low	17:22	2	M	1.00	1	0.088	172.006	7.17	7.16	2.90	2.87	22.5	22.50	42.1	42.15	3.07	3.08	23.42	23.55	5	5
M2	24/1/2026	Mid-Flood	Sunny	Low	17:22	2	M	1.00	2			7.15		2.84		22.5		42.2		3.08		23.68		4	
M3	24/1/2026	Mid-Flood	Sunny	Low	17:30	1.8	M	0.90	1	0.084	165.189	7.16	7.15	3.42	3.47	22.5	22.55	55.1	55.15	4.02	4.03	31.22	31.285	3	4
M3	24/1/2026	Mid-Flood	Sunny	Low	17:30	1.8	M	0.90	2			7.14		3.51		22.6		55.2		4.03		31.35		5	
M1	24/1/2026	Mid-Ebb	Sunny	Low	11:26	2.3	M	1.15	1	0.078	327.637	7.14	7.14	2.70	2.68	22.3	22.35	39.9	40.55	2.91	2.96	22.58	22.515	6	5
M1	24/1/2026	Mid-Ebb	Sunny	Low	11:26	2.3	M	1.15	2			7.13		2.66		22.4		41.2		3.01		22.45		4	
M2	24/1/2026	Mid-Ebb	Sunny	Low	10:53	2	M	1.00	1	0.061	303.383	7.12	7.13	2.77	2.74	22.3	22.30	41.0	40.90	2.99	2.99	23.69	23.815	3	4
M2	24/1/2026	Mid-Ebb	Sunny	Low	10:54	2	M	1.00	2			7.14		2.71		22.3		40.8		2.98		23.94		5	
M3	24/1/2026	Mid-Ebb	Sunny	Low	11:39	1.7	M	0.85	1	0.073	325.721	7.19	7.19	3.45	3.45	22.3	22.35	55.9	56.65	4.08	4.14	31.88	31.875	5	5
M3	24/1/2026	Mid-Ebb	Sunny	Low	11:39	1.7	M	0.85	2			7.18		3.45		22.4		57.4		4.19		31.87		4	

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For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	27/1/2026	Mid-Flood	Cloudy	Low	8:46	2.5	M	1.25	1	0.09	175.817	7.18	7.19	2.91	2.94	20.6	20.65	37.7	38.15	2.75	2.79	21.54	21.54	19	22
M1	27/1/2026	Mid-Flood	Cloudy	Low	8:46	2.5	M	1.25	2			7.2		2.96		20.7		38.6		2.82		21.54		25	
M2	27/1/2026	Mid-Flood	Cloudy	Low	9:25	2.3	M	1.15	1	0.091	168.137	7.14	7.14	2.82	2.80	20.6	20.65	37.9	37.80	2.76	2.75	23.35	23.185	24	24
M2	27/1/2026	Mid-Flood	Cloudy	Low	9:25	2.3	M	1.15	2			7.13		2.78		20.7		37.7		2.73		23.02		24	
M3	27/1/2026	Mid-Flood	Cloudy	Low	9:33	2	M	1.00	1	0.079	173.589	7.18	7.17	3.33	3.32	20.6	20.65	51.2	51.90	3.74	3.79	29.02	29.01	25	22
M3	27/1/2026	Mid-Flood	Cloudy	Low	9:33	2	M	1.00	2			7.16		3.31		20.7		52.6		3.84		29		18	
M1	27/1/2026	Mid-Ebb	Cloudy	Low	13:02	2.4	M	1.20	1	0.07	329.343	7.17	7.16	2.80	2.81	20.8	20.80	36.9	37.70	2.69	2.75	21.03	21.05	28	27
M1	27/1/2026	Mid-Ebb	Cloudy	Low	13:02	2.4	M	1.20	2			7.15		2.82		20.8		38.5		2.8		21.07		26	
M2	27/1/2026	Mid-Ebb	Cloudy	Low	12:36	2.1	M	1.05	1	0.066	342.756	7.12	7.11	2.79	2.75	20.8	20.80	37.8	37.25	2.76	2.72	23.18	22.99	27	26
M2	27/1/2026	Mid-Ebb	Cloudy	Low	12:36	2.1	M	1.05	2			7.1		2.71		20.8		36.7		2.68		22.8		25	
M3	27/1/2026	Mid-Ebb	Cloudy	Low	13:14	1.9	M	0.95	1	0.069	338.661	7.2	7.21	3.46	3.43	20.8	20.80	50.6	50.90	3.69	3.72	30.86	30.69	21	21
M3	27/1/2026	Mid-Ebb	Cloudy	Low	13:14	1.9	M	0.95	2			7.22		3.39		20.8		51.2		3.74		30.52		21	

Remark

1. Orange and Bold: Action Level Exceedance (For Impact Station Only)
2. Red and Bold: Limit Level Exceedance (For Impact Station Only)
3. Action Level for Turbidity: 95%-ile of baseline data or 120% of upstream control station’ s turbidity recorded on the same day.
4. Limit Level for Turbidity: 99%-ile of baseline data or 130% of upstream control station's turbidity recorded on the same day.
5. Action Level for SS: 95%-ile of baseline data or 120% of upstream control station’ s SS recorded on the same day.
6. Limit Level for SS: 99%-ile of baseline data or 130% of upstream control station's SS recorded on the same day.

For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	29/1/2026	Mid-Flood	Cloudy	Low	10:33	2.4	M	1.20	1	0.085	182.497	7.14	7.13	3.05	3.09	20.9	20.90	37.1	37.40	2.71	2.73	26.55	26.585	23	24
M1	29/1/2026	Mid-Flood	Cloudy	Low	10:33	2.4	M	1.20	2			7.12		3.13		20.9		37.7		2.75		26.62		25	
M2	29/1/2026	Mid-Flood	Cloudy	Low	11:01	2.2	M	1.10	1	0.088	187.668	7.16	7.16	2.86	2.88	20.9	20.90	38.8	38.85	2.83	2.84	25.24	25.105	25	27
M2	29/1/2026	Mid-Flood	Cloudy	Low	11:01	2.2	M	1.10	2			7.16		2.9		20.9		38.9		2.84		24.97		29	
M3	29/1/2026	Mid-Flood	Cloudy	Low	11:16	1.9	M	0.95	1	0.079	184.286	7.16	7.17	3.32	3.28	20.9	20.90	51.8	52.25	3.78	3.82	33.01	33.03	30	30
M3	29/1/2026	Mid-Flood	Cloudy	Low	11:16	1.9	M	0.95	2			7.18		3.23		20.9		52.7		3.85		33.05		29	
M1	29/1/2026	Mid-Ebb	Cloudy	Low	15:33	2.3	M	1.15	1	0.071	334.738	7.14	7.13	2.79	2.81	21.1	21.10	36.9	36.60	2.69	2.67	24.08	23.875	26	26
M1	29/1/2026	Mid-Ebb	Cloudy	Low	15:33	2.3	M	1.15	2			7.12		2.82		21.1		36.3		2.65		23.67		26	
M2	29/1/2026	Mid-Ebb	Cloudy	Low	14:55	2.1	M	1.05	1	0.078	303.977	7.15	7.15	2.70	2.70	21.1	21.10	37.8	37.60	2.76	2.75	25.33	25.16	24	25
M2	29/1/2026	Mid-Ebb	Cloudy	Low	14:55	2.1	M	1.05	2			7.15		2.7		21.1		37.4		2.73		24.99		25	
M3	29/1/2026	Mid-Ebb	Cloudy	Low	15:44	1.9	M	0.95	1	0.078	336.349	7.2	7.21	3.48	3.45	21.1	21.15	50.6	50.65	3.69	3.70	34.97	35.01	23	23
M3	29/1/2026	Mid-Ebb	Cloudy	Low	15:45	1.9	M	0.95	2			7.21		3.42		21.2		50.7		3.7		35.05		23	

Remark

1. Orange and Bold: Action Level Exceedance (For Impact Station Only)
2. Red and Bold: Limit Level Exceedance (For Impact Station Only)
3. Action Level for Turbidity: 95%-ile of baseline data or 120% of upstream control station’ s turbidity recorded on the same day.
4. Limit Level for Turbidity: 99%-ile of baseline data or 130% of upstream control station's turbidity recorded on the same day.
5. Action Level for SS: 95%-ile of baseline data or 120% of upstream control station’ s SS recorded on the same day.
6. Limit Level for SS: 99%-ile of baseline data or 130% of upstream control station's SS recorded on the same day.

For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent
Water Quality Monitoring Results

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement														Laboratory Analysis	
										Current Speed (m/s)	Current Direction (°)	pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Total Suspended Solids (mg/L)	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	31/1/2026	Mid-Flood	Cloudy	Low	12:26	2.5	M	1.25	1	0.092	162.618	7.15	7.16	3.36	3.32	20.6	20.65	38.4	38.25	2.8	2.79	26.98	27.055	2.5	3
M1	31/1/2026	Mid-Flood	Cloudy	Low	12:26	2.5	M	1.25	2			7.16		3.28		20.7		38.1		2.78		27.13		2.5	
M2	31/1/2026	Mid-Flood	Cloudy	Low	12:59	2.1	M	1.05	1	0.094	165.914	7.15	7.16	3.48	3.52	20.6	20.60	37.1	37.05	2.71	2.71	28.45	28.325	2.5	4
M2	31/1/2026	Mid-Flood	Cloudy	Low	12:59	2.1	M	1.05	2			7.17		3.55		20.6		37.0		2.7		28.2		6	
M3	31/1/2026	Mid-Flood	Cloudy	Low	13:08	1.9	M	0.95	1	0.089	168.659	7.19	7.20	3.98	4.03	20.6	20.65	54.9	54.15	4.01	3.96	41.97	42.085	7	8
M3	31/1/2026	Mid-Flood	Cloudy	Low	13:08	1.9	M	0.95	2			7.21		4.07		20.7		53.4		3.9		42.2		8	
M1	31/1/2026	Mid-Ebb	Cloudy	Low	10:22	2.3	M	1.15	1	0.067	320.511	7.13	7.12	3.43	3.43	20.4	20.40	40.0	39.75	2.92	2.90	27.11	26.97	5	6
M1	31/1/2026	Mid-Ebb	Cloudy	Low	10:23	2.3	M	1.15	2			7.11		3.42		20.4		39.5		2.88		26.83		6	
M2	31/1/2026	Mid-Ebb	Cloudy	Low	9:52	2	M	1.00	1	0.064	330.591	7.14	7.14	3.59	3.62	20.4	20.40	40.7	41.05	2.97	3.00	29.11	28.955	8	10
M2	31/1/2026	Mid-Ebb	Cloudy	Low	9:52	2	M	1.00	2			7.14		3.64		20.4		41.4		3.02		28.8		11	
M3	31/1/2026	Mid-Ebb	Cloudy	Low	10:37	1.8	M	0.90	1	0.066	318.545	7.21	7.20	4.07	4.11	20.4	20.40	54.5	54.45	3.98	3.98	40.99	40.99	8	8
M3	31/1/2026	Mid-Ebb	Cloudy	Low	10:37	1.8	M	0.90	2			7.19		4.15		20.4		54.4		3.97		40.99		7	

Remark

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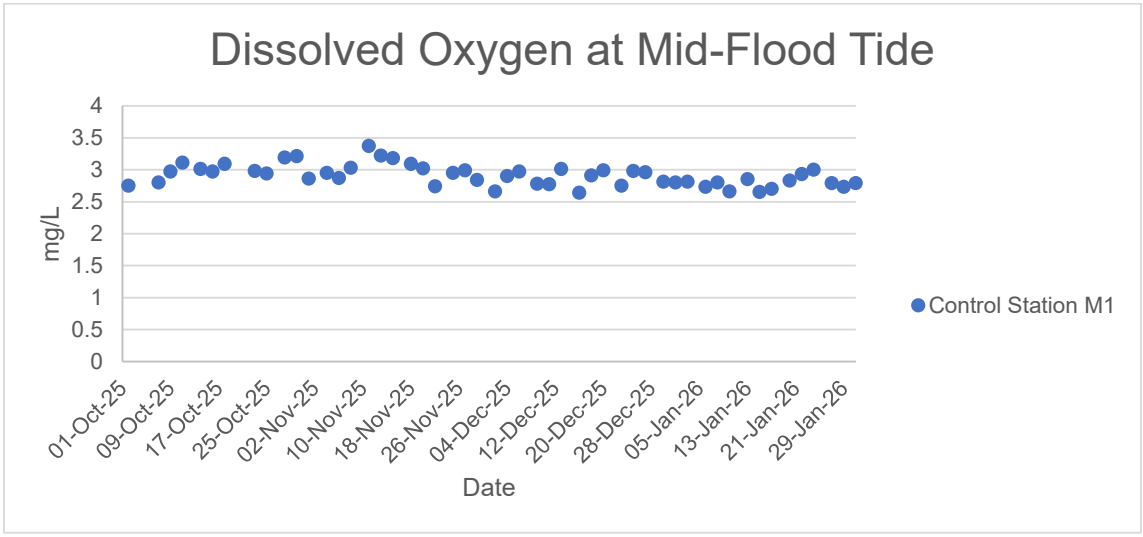
2. Red and Bold: Limit Level Exceedance (For Impact Station Only)
3. Action Level for Turbidity: 95%-ile of baseline data or 120% of upstream control station’ s turbidity recorded on the same day.
4. Limit Level for Turbidity: 99%-ile of baseline data or 130% of upstream control station's turbidity recorded on the same day.
5. Action Level for SS: 95%-ile of baseline data or 120% of upstream control station’ s SS recorded on the same day.
6. Limit Level for SS: 99%-ile of baseline data or 130% of upstream control station's SS recorded on the same day.

For Flood Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167

For Ebb Tide

Monitoring Location	DO		NTU		SS	
	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68


Dissolved Oxygen at Mid-Flood Tide
mg/L
4
3.5
3
2.5
2
1.5
1
0.5
0
01-Oct-25
09-Oct-25
17-Oct-25
25-Oct-25
02-Nov-25
10-Nov-25
18-Nov-25
26-Nov-25
04-Dec-25
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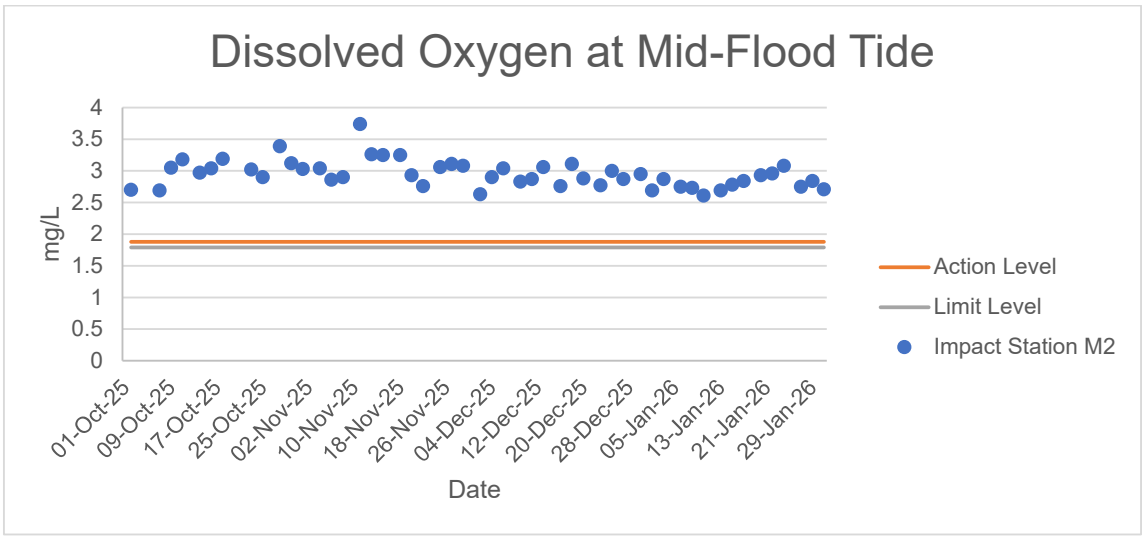
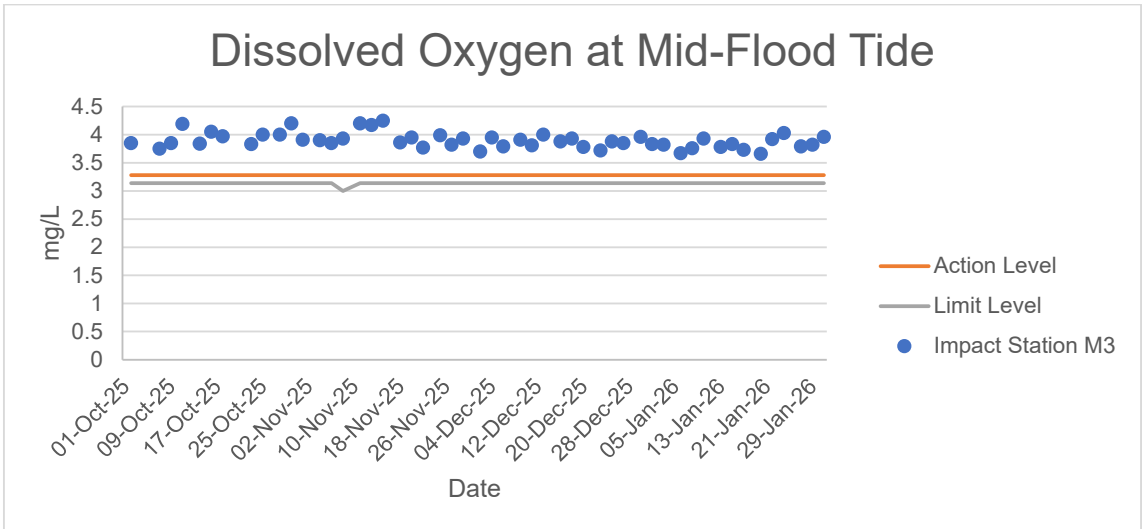
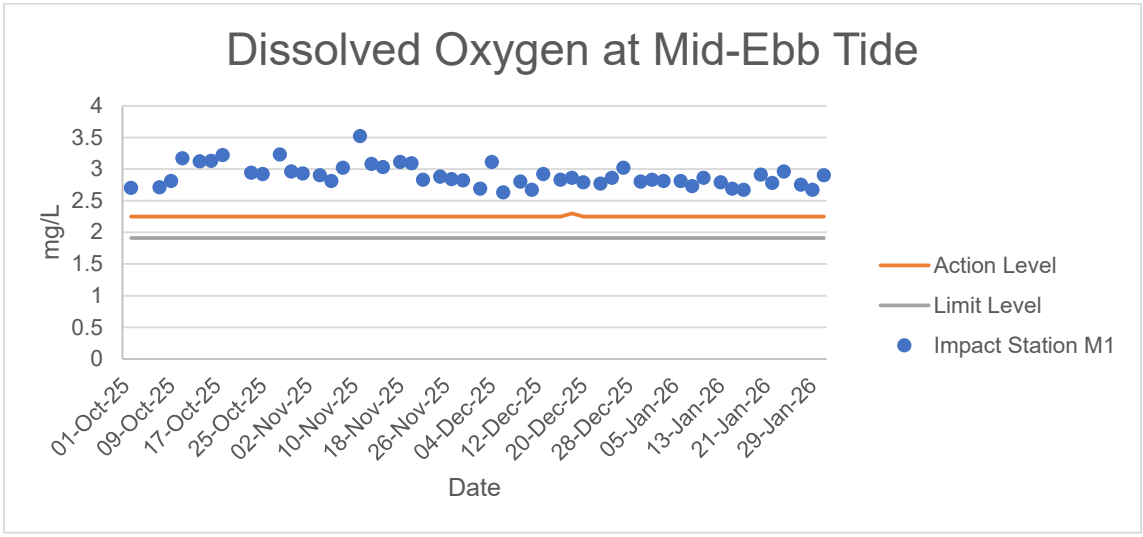
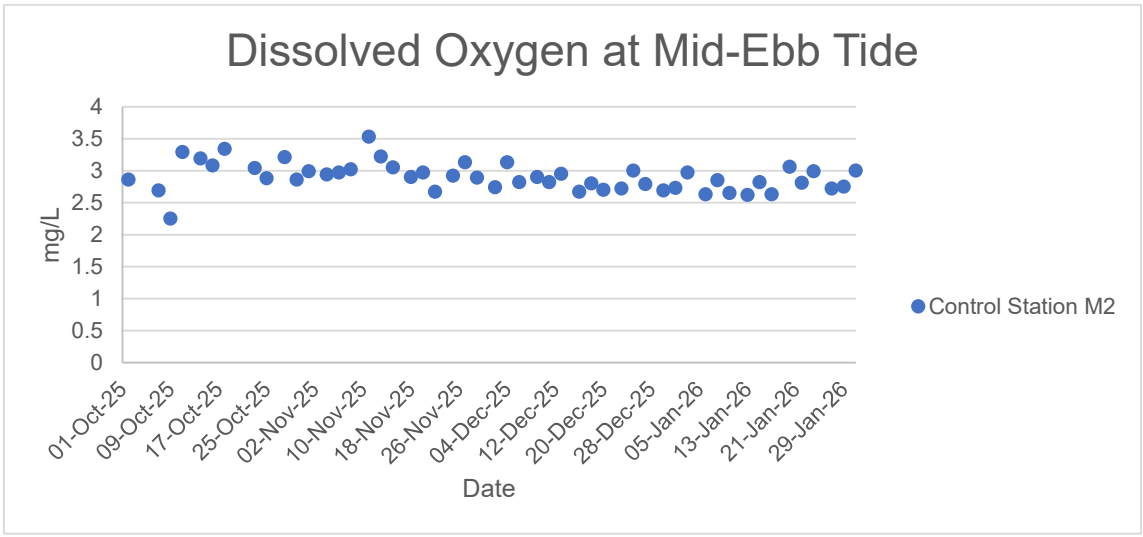
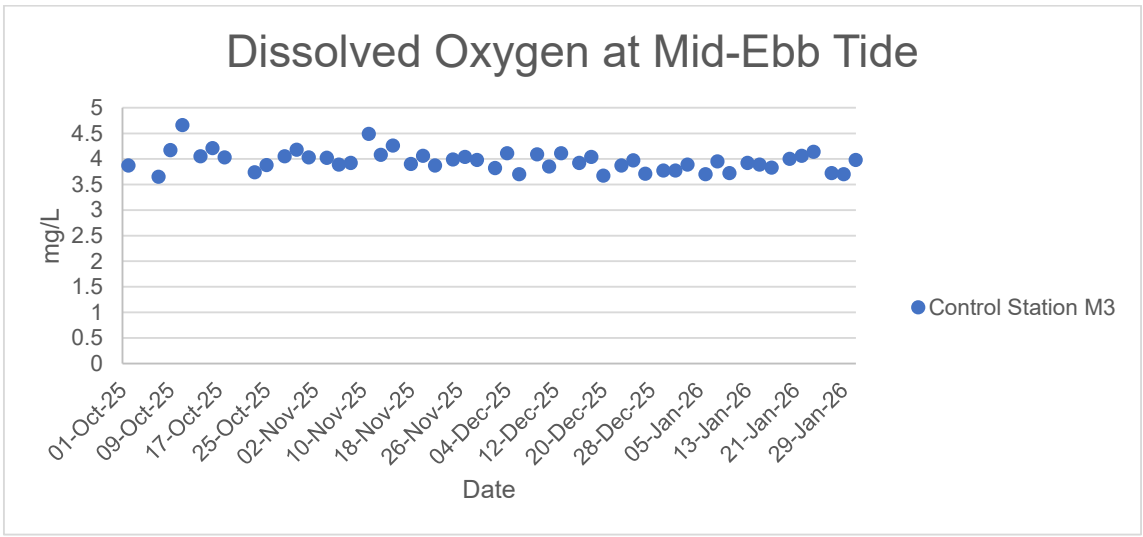
13-Jan-26
21-Jan-26
29-Jan-26
Date
Control Station M1


Dissolved Oxygen at Mid-Flood Tide
mg/L
4
3.5
3
2.5
2
1.5
1
0.5
0
01-Oct-25
09-Oct-25
17-Oct-25
25-Oct-25
02-Nov-25
10-Nov-25
18-Nov-25
26-Nov-25
04-Dec-25
12-Dec-25
20-Dec-25
28-Dec-25
05-Jan-26
13-Jan-26
21-Jan-26
29-Jan-26
Date
Action Level
Limit Level
Impact Station M2


Dissolved Oxygen at Mid-Flood Tide
mg/L
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
01-Oct-25
09-Oct-25
17-Oct-25
25-Oct-25
02-Nov-25
10-Nov-25
18-Nov-25
26-Nov-25
04-Dec-25
12-Dec-25
20-Dec-25
28-Dec-25
05-Jan-26
13-Jan-26
21-Jan-26
29-Jan-26
Date
Action Level
Limit Level
Impact Station M3


Dissolved Oxygen at Mid-Ebb Tide
mg/L
4
3.5
3
2.5
2
1.5
1
0.5
0
01-Oct-25
09-Oct-25
17-Oct-25
25-Oct-25
02-Nov-25
10-Nov-25
18-Nov-25
26-Nov-25
04-Dec-25
12-Dec-25
20-Dec-25
28-Dec-25
05-Jan-26
13-Jan-26
21-Jan-26
29-Jan-26
Date
Action Level
Limit Level
Impact Station M1


Dissolved Oxygen at Mid-Ebb Tide
mg/L
4
3.5
3
2.5
2
1.5
1
0.5
0
01-Oct-25
09-Oct-25
17-Oct-25
25-Oct-25
02-Nov-25
10-Nov-25
18-Nov-25
26-Nov-25
04-Dec-25
12-Dec-25
20-Dec-25
28-Dec-25
05-Jan-26
13-Jan-26
21-Jan-26
29-Jan-26
Date
Control Station M2


Dissolved Oxygen at Mid-Ebb Tide
mg/L
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
01-Oct-25
09-Oct-25
17-Oct-25
25-Oct-25
02-Nov-25
10-Nov-25
18-Nov-25
26-Nov-25
04-Dec-25
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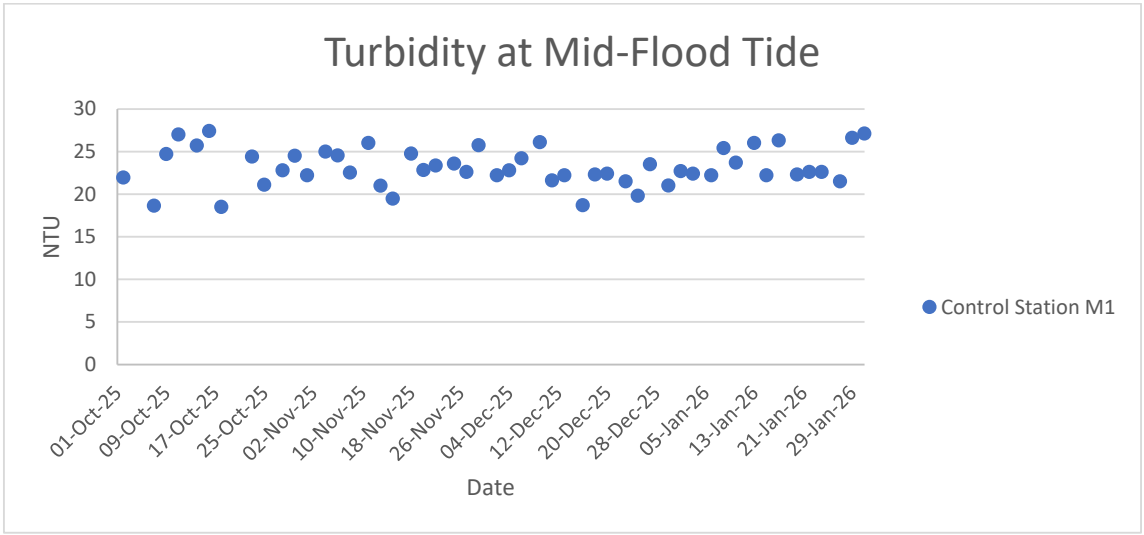
13-Jan-26
21-Jan-26
29-Jan-26
Date
Control Station M3


Turbidity at Mid-Flood Tide
NTU
30
25
20
15
10
5
0
01-Oct-25
09-Oct-25
17-Oct-25
25-Oct-25
02-Nov-25
10-Nov-25
18-Nov-25
26-Nov-25
04-Dec-25
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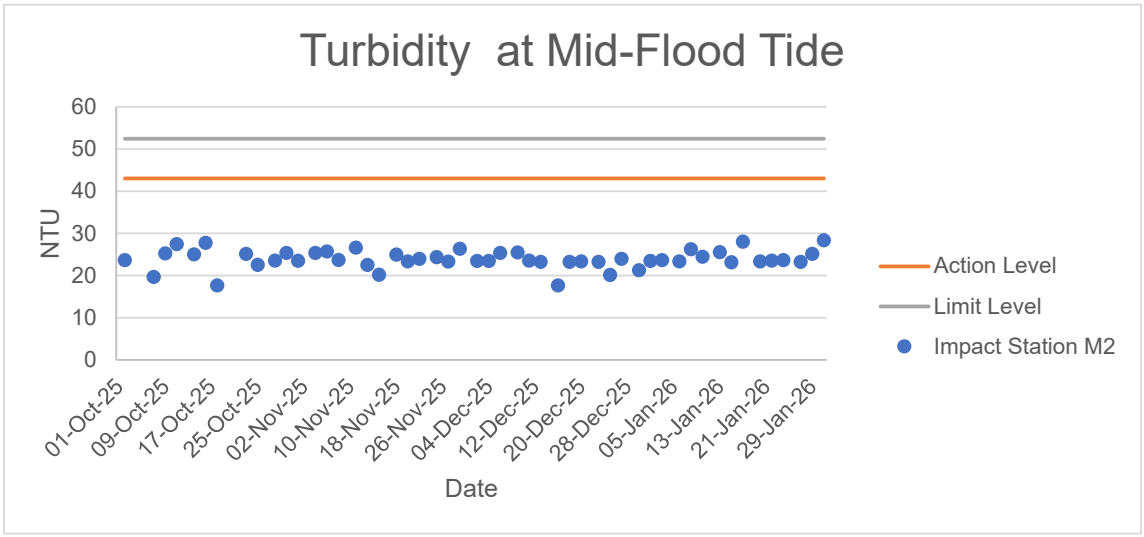
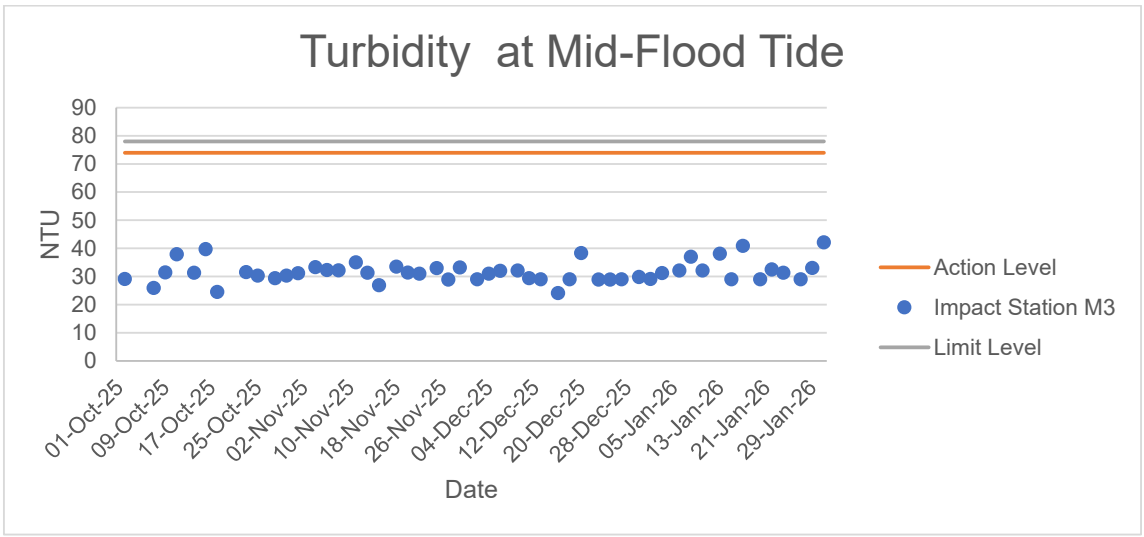
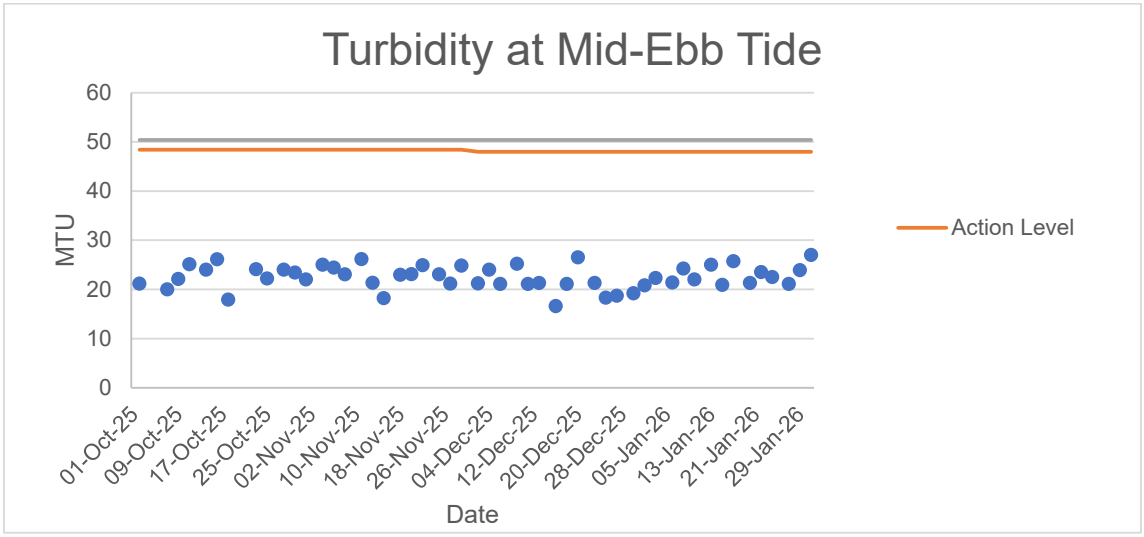
13-Jan-26
21-Jan-26
29-Jan-26
Date
Control Station M1


Turbidity at Mid-Flood Tide
NTU
60
50
40
30
20
10
0
01-Oct-25
09-Oct-25
17-Oct-25
25-Oct-25
02-Nov-25
10-Nov-25
18-Nov-25
26-Nov-25
04-Dec-25
12-Dec-25
20-Dec-25
28-Dec-25
05-Jan-26
13-Jan-26
21-Jan-26
29-Jan-26
Date
Action Level
Limit Level
Impact Station M2


Turbidity at Mid-Flood Tide
NTU
90
80
70
60
50
40
30
20
10
0
01-Oct-25
09-Oct-25
17-Oct-25
25-Oct-25
02-Nov-25
10-Nov-25
18-Nov-25
26-Nov-25
04-Dec-25
12-Dec-25
20-Dec-25
28-Dec-25
05-Jan-26
13-Jan-26
21-Jan-26
29-Jan-26
Date
Action Level
Impact Station M3
Limit Level


Turbidity at Mid-Ebb Tide
60
50
40
30
20
10
0
MTU
01-Oct-25
09-Oct-25
17-Oct-25
25-Oct-25
02-Nov-25
10-Nov-25
18-Nov-25
26-Nov-25
04-Dec-25
12-Dec-25
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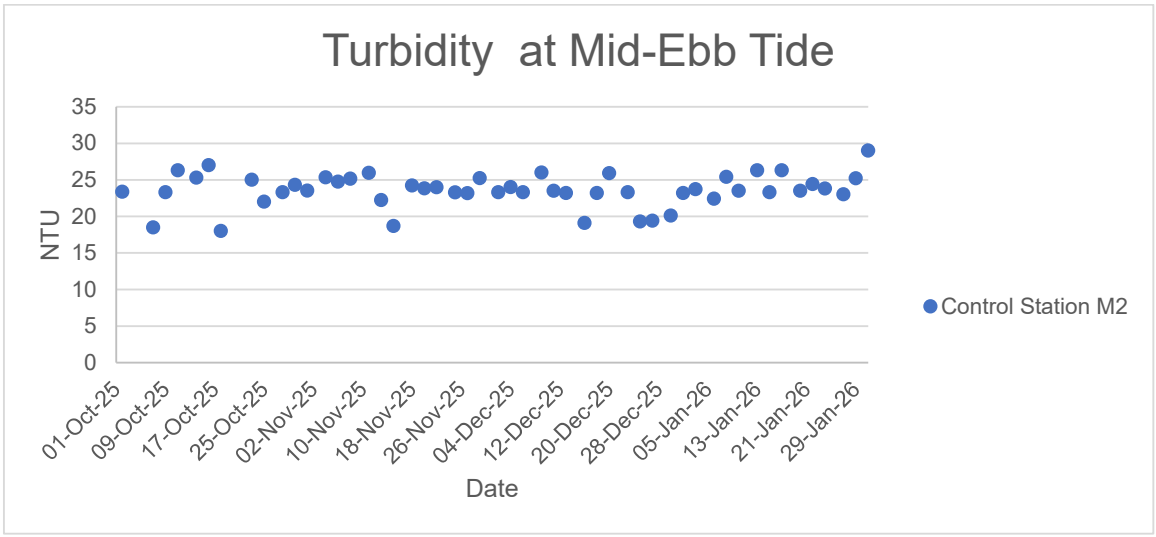
13-Jan-26
21-Jan-26
29-Jan-26
Date
Action Level


Turbidity at Mid-Ebb Tide
35
30
25
20
15
10
5
0
NTU
01-Oct-25
09-Oct-25
17-Oct-25
25-Oct-25
02-Nov-25
10-Nov-25
18-Nov-25
26-Nov-25
04-Dec-25
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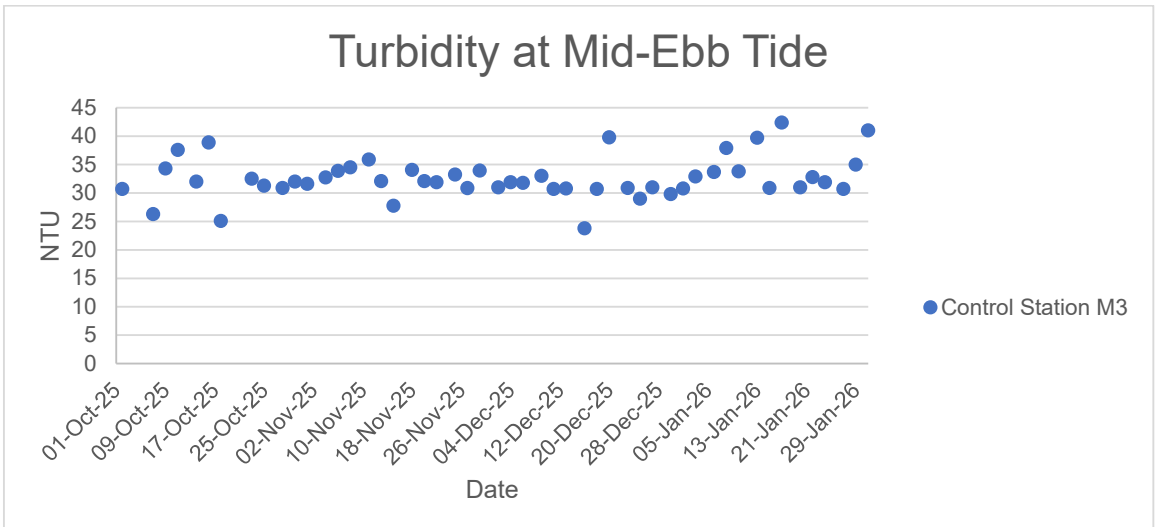
13-Jan-26
21-Jan-26
29-Jan-26
Date
Control Station M2


Turbidity at Mid-Ebb Tide
45
40
35
30
25
20
15
10
5
0
NTU
01-Oct-25
09-Oct-25
17-Oct-25
25-Oct-25
02-Nov-25
10-Nov-25
18-Nov-25
26-Nov-25
04-Dec-25
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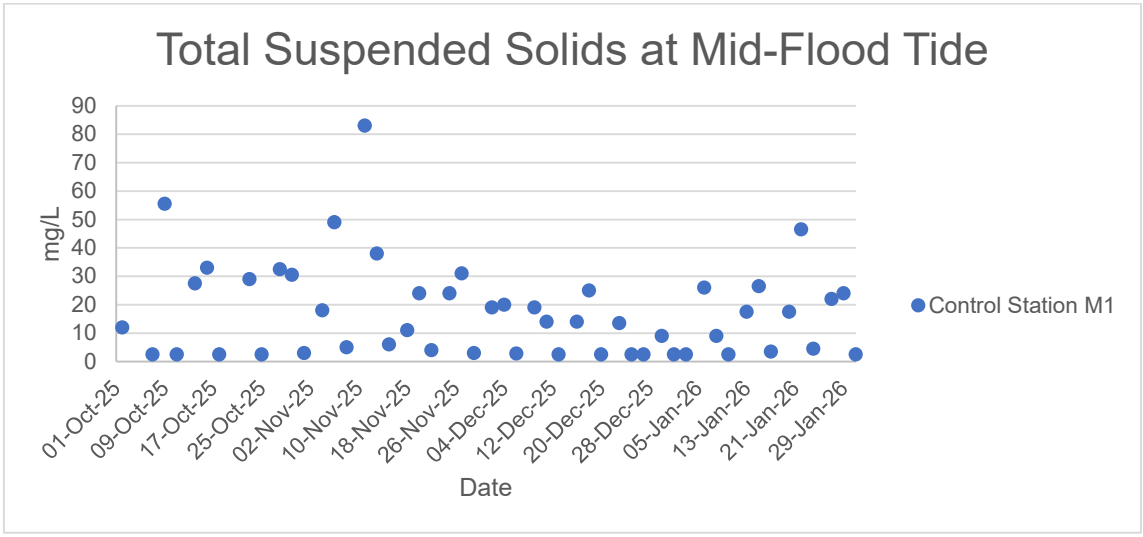
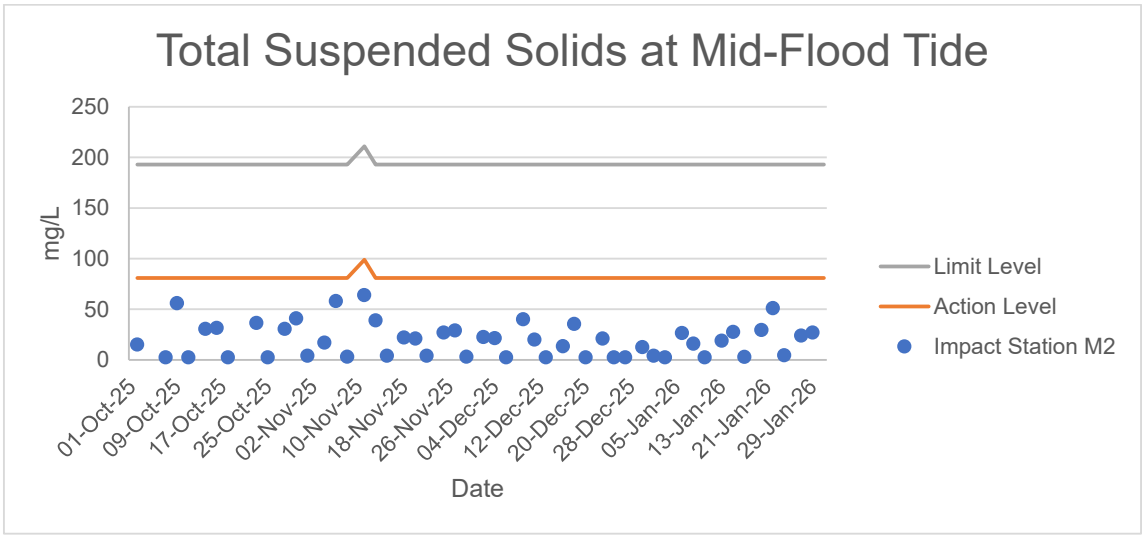
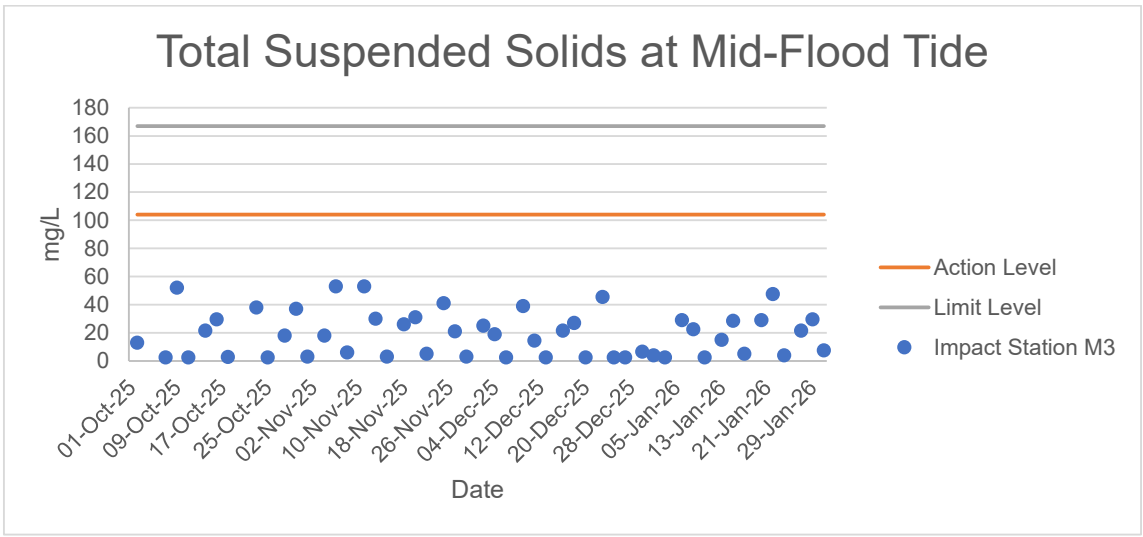
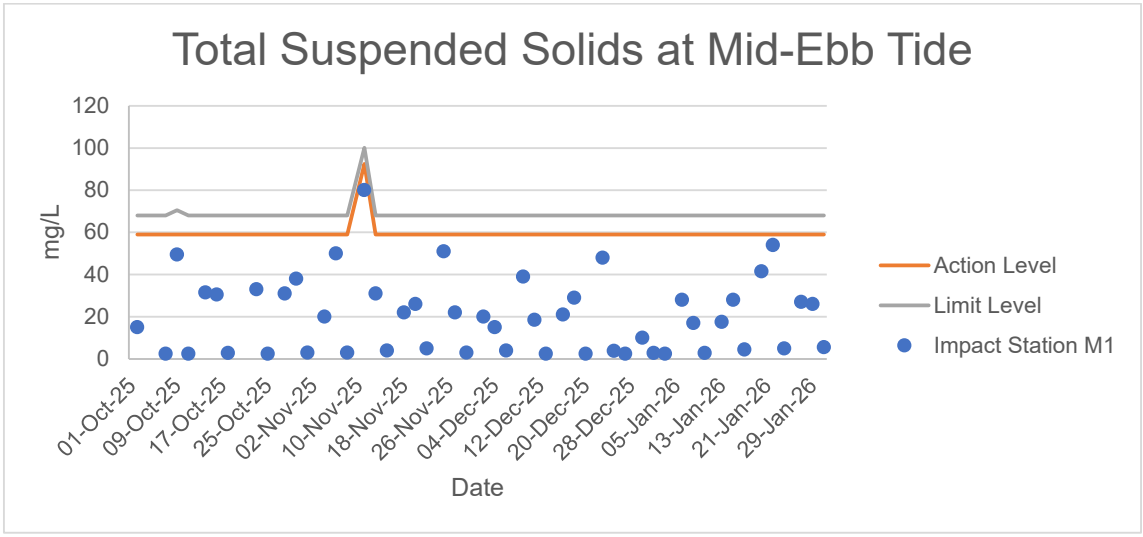
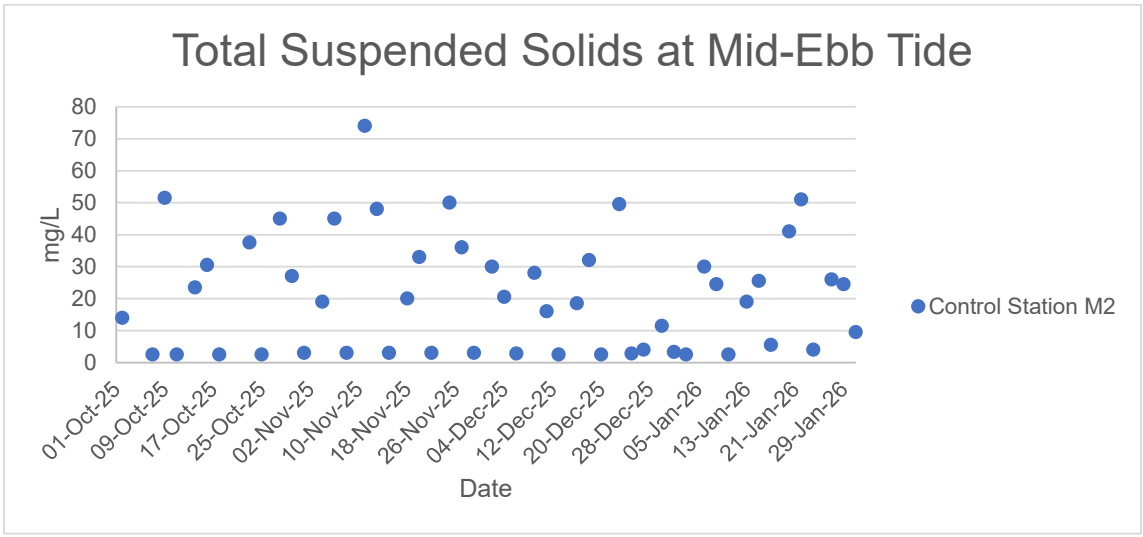
13-Jan-26
21-Jan-26
29-Jan-26
Date
Control Station M3

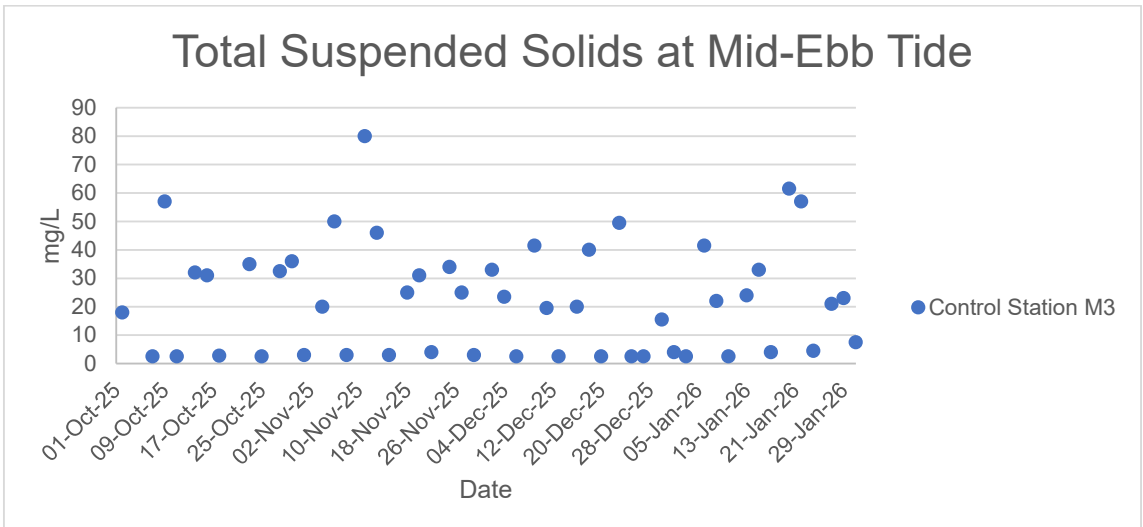

Total Suspended Solids at Mid-Flood Tide
mg/L
90
80
70
60
50
40
30
20
10
0
01-Oct-25
09-Oct-25
17-Oct-25
25-Oct-25
02-Nov-25
10-Nov-25
18-Nov-25
26-Nov-25
04-Dec-25
12-Dec-25
20-Dec-25
28-Dec-25
05-Jan-26
13-Jan-26
21-Jan-26
29-Jan-26
Date
Control Station M1


Total Suspended Solids at Mid-Flood Tide
mg/L
250
200
150
100
50
0
01-Oct-25
09-Oct-25
17-Oct-25
25-Oct-25
02-Nov-25
10-Nov-25
18-Nov-25
26-Nov-25
04-Dec-25
12-Dec-25
20-Dec-25
28-Dec-25
05-Jan-26
13-Jan-26
21-Jan-26
29-Jan-26
Date
Limit Level
Action Level
Impact Station M2


Total Suspended Solids at Mid-Flood Tide
mg/L
180
160
140
120
100
80
60
40
20
0
01-Oct-25
09-Oct-25
17-Oct-25
25-Oct-25
02-Nov-25
10-Nov-25
18-Nov-25
26-Nov-25
04-Dec-25
12-Dec-25
20-Dec-25
28-Dec-25
05-Jan-26
13-Jan-26
21-Jan-26
29-Jan-26
Date
Action Level
Limit Level
Impact Station M3


Total Suspended Solids at Mid-Ebb Tide
120
100
80
60
40
20
0
mg/L
01-Oct-25
09-Oct-25
17-Oct-25
25-Oct-25
02-Nov-25
10-Nov-25
18-Nov-25
26-Nov-25
04-Dec-25
12-Dec-25
20-Dec-25
28-Dec-25
05-Jan-26
13-Jan-26
21-Jan-26
29-Jan-26
Date
Action Level
Limit Level
Impact Station M1


Total Suspended Solids at Mid-Ebb Tide
80
70
60
50
40
30
20
10
0
mg/L
01-Oct-25
09-Oct-25
17-Oct-25
25-Oct-25
02-Nov-25
10-Nov-25
18-Nov-25
26-Nov-25
04-Dec-25
12-Dec-25
20-Dec-25
28-Dec-25
05-Jan-26
13-Jan-26
21-Jan-26
29-Jan-26
Date
Control Station M2


Total Suspended Solids at Mid-Ebb Tide
90
80
70
60
50
40
30
20
10
0
mg/L
01-Oct-25
09-Oct-25
17-Oct-25
25-Oct-25
02-Nov-25
10-Nov-25
18-Nov-25
26-Nov-25
04-Dec-25
12-Dec-25
20-Dec-25
28-Dec-25
05-Jan-26
13-Jan-26
21-Jan-26
29-Jan-26
Date
Control Station M3

Ecology Monitoring Results for

Contract No. SPW 01/2025

Environmental Team for Construction of Yuen long Effluent Polishing Plant Stage 1

Appendix F.1 Ecological Bird Monitoring Result (8 January 2026)

Date (dd/mm/yyyy)	Daytime/ Night-time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong[2]	Principal Status[3]	Level of Concern[4]	Protection Status in China[5]	China Red Data Book[6]	Red List of China's Vertebrates[9]	IUCN Red List[7] (v.2020-3)	Species of Conservation Importance	Wetland Dependent[8]
08/01/2026	Daytime	Dry	FLW	Point Count	FLW2	House Swift	*Apus nipalensis*	2	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Point Count	FLW2	White Wagtail	*Motacilla alba*	2	Common	PM,WV	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Point Count	FLW3	Little Egret	*Egretta garzetta*	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Point Count	FLW3	Spotted Dove	*Spilopelia chinensis*	1	Abundant	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Point Count	FLW3	Dusky Warbler	*Phylloscopus fuscatus*	1	Common	PM,WV	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Point Count	FLW3	Black-collared Starling	*Gracupica nigricollis*	4	Common	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Point Count	FLW4	Tufted Duck	*Aythya fuligula*	23	Uncommon	WV	LC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Point Count	FLW4	Chinese Pond Heron	*Ardeola bacchus*	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Point Count	FLW4	Great Egret	*Ardea alba*	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Point Count	FLW4	Intermediate Egret	*Ardea intermedia*	1	Common	PM	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Point Count	FLW4	Little Egret	*Egretta garzetta*	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Point Count	FLW4	Great Cormorant	*Phalacrocorax carbo*	4	Common	WV	PRC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Point Count	FLW4	Common Moorhen	*Gallinula chloropus*	1	Common	R	-	-	-	LC	LC	N	Y
08/01/2026	Daytime	Dry	FLW	Point Count	FLW4	Pied Avocet	*Recurvirostra avosetta*	7	Abundant	WV	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Point Count	FLW5	Little Grebe	*Tachybaptus ruficollis*	3	Common	R	LC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Point Count	FLW5	Little Egret	*Egretta garzetta*	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Point Count	FLW5	Great Cormorant	*Phalacrocorax carbo*	12	Common	WV	PRC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Point Count	FLW5	Black-winged stilt	*Himantopus himantopus*	2	Common	PM	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Point Count	FLW5	Eurasian Collared Dove	*Streptopelia decaocto*	2	Common	-	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Point Count	FLW5	Spotted Dove	*Spilopelia chinensis*	3	Abundant	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Point Count	FLW5	Collared Crow	*Corvus torquatus*	1	Uncommon	R	LC	-	-	NT	VU	Y	Y
08/01/2026	Daytime	Dry	FLW	Point Count	FLW5	Crested Myna	*Acridotheres cristatellus*	12	Common	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Point Count	FLW5	Black-collared Starling	*Gracupica nigricollis*	9	Common	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Point Count	FLW5	Stejneger's Stonechat	*Saxicola stejnegeri*	1	Common	PM,WV	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Point Count	FLW5	Eastern Yellow Wagtail	*Motacilla tschutschensis*	2	Common	PM,WV	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Point Count	FLW5	White Wagtail	*Motacilla alba*	4	Common	PM,WV	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Point Count	FLW6	Tufted Duck	*Aythya fuligula*	26	Uncommon	WV	LC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Point Count	FLW6	Little Grebe	*Tachybaptus ruficollis*	5	Common	R	LC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Point Count	FLW6	Chinese Pond Heron	*Ardeola bacchus*	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Point Count	FLW6	Great Egret	*Ardea alba*	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Point Count	FLW6	Little Egret	*Egretta garzetta*	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Point Count	FLW6	Long-tailed Shrike	*Lanius schach*	1	Common	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Point Count	FLW6	Plain Prinia	*Prinia inornata*	2	Common	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Point Count	FLW6	Crested Myna	*Acridotheres cristatellus*	4	Common	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Point Count	FLW6	Scaly-breasted Munia	*Lonchura punctulata*	3	Common	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Point Count	FLW7	Black-crowned Night Heron	*Nycticorax nycticorax*	4	Common	R,WV	(LC)	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Point Count	FLW7	Chinese Pond Heron	*Ardeola bacchus*	5	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Point Count	FLW7	Little Egret	*Egretta garzetta*	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Point Count	FLW7	Great Cormorant	*Phalacrocorax carbo*	3	Common	WV	PRC	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (8 January 2026)

Date (dd/mm/yyyy)	Daytime/ Night-time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong[2]	Principal Status[3]	Level of Concern[4]	Protection Status in China[5]	China Red Data Book[6]	Red List of China's Vertebrates[9]	IUCN Red List[7] (v.2020-3)	Species of Conservation Importance	Wetland Dependent[8]
08/01/2026	Daytime	Dry	FLW	Point Count	FLW7	Eurasian Collared Dove	*Streptopelia decaocto*	1	Common	-	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Point Count	FLW7	Large-billed Crow	*Corvus macrorhynchos*	2	Common	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Point Count	FLW7	Barn Swallow	*Hirundo rustica*	3	Abundant	PM,SV	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Point Count	FLW7	Yellow-browed Warbler	*Phylloscopus inornatus*	2	Common	WV,Sp	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Point Count	FLW7	Masked Laughingthrush	*Pterorhinus perspicillatus*	2	Abundant	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Point Count	FLW7	Swinhoe's White-eye	*Zosterops simplex*	2	Abundant	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Point Count	FLW7	Crested Myna	*Acridotheres cristatellus*	11	Common	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	NSW	Point Count	NSW1	Chinese Pond Heron	*Ardeola bacchus*	3	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	NSW1	Great Egret	*Ardea alba*	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	NSW1	Great Cormorant	*Phalacrocorax carbo*	26	Common	WV	PRC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	NSW1	White-breasted Waterhen	*Amaurornis phoenicurus*	1	Common	R	-	-	-	LC	LC	N	Y
08/01/2026	Daytime	Dry	NSW	Point Count	NSW1	Common Sandpiper	*Actitis hypoleucos*	1	Common	PM,WV	-	-	-	LC	LC	N	Y
08/01/2026	Daytime	Dry	NSW	Point Count	NSW1	Common Kingfisher	*Alcedo atthis*	1	Common	PM,WV	-	-	-	LC	LC	N	Y
08/01/2026	Daytime	Dry	NSW	Point Count	NSW1	Collared Crow	*Corvus torquatus*	1	Uncommon	R	LC	-	-	NT	VU	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	NSW1	Barn Swallow	*Hirundo rustica*	2	Abundant	PM,SV	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	NSW	Point Count	NSW1	Yellow-bellied Prinia	*Prinia flaviventris*	1	Common	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	NSW	Point Count	NSW1	Plain Prinia	*Prinia inornata*	2	Common	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	NSW	Point Count	NSW1	Crested Myna	*Acridotheres cristatellus*	16	Common	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	NSW	Point Count	NSW1	White Wagtail	*Motacilla alba*	2	Common	PM,WV	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	Eurasian Wigeon	*Mareca penelope*	6	Common	WV	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	Eurasian Teal	*Anas crecca*	7	Common	WV	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	Grey Heron	*Ardea cinerea*	1	Common	WV	PRC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	Black-winged stilt	*Himantopus himantopus*	4	Common	PM	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	Pied Avocet	*Recurvirostra avosetta*	22	Abundant	WV	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	Common Redshank	*Tringa totanus*	2	Common	PM	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	Marsh Sandpiper	*Tringa stagnatilis*	1	Common	PM,WV	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	Common Greenshank	*Tringa nebularia*	4	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	Black-headed Gull	*Chroicocephalus ridibundus*	54	Common	WV	PRC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	Lesser Black-backed Gull	*Larus fuscus*	1	Common	W,M	LC	-	-	-	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	Spotted Dove	*Spilopelia chinensis*	2	Abundant	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	Red-whiskered Bulbul	*Pycnonotus jocosus*	6	Abundant	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	Masked Laughingthrush	*Pterorhinus perspicillatus*	2	Abundant	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	Oriental Magpie Robin	*Copsychus saularis*	1	Abundant	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW1	Pacific Golden Plover	*Pluvialis fulva*	2	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Eurasian Wigeon	*Mareca penelope*	4	Common	WV	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Chinese Pond Heron	*Ardeola bacchus*	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Grey Heron	*Ardea cinerea*	3	Common	WV	PRC	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (8 January 2026)

Date (dd/mm/yyyy)	Daytime/ Night-time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong[2]	Principal Status[3]	Level of Concern[4]	Protection Status in China[5]	China Red Data Book[6]	Red List of China's Vertebrates[9]	IUCN Red List[7] (v.2020-3)	Species of Conservation Importance	Wetland Dependent[8]
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Little Egret	*Egretta garzetta*	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Great Cormorant	*Phalacrocorax carbo*	17	Common	WV	PRC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Common Moorhen	*Gallinula chloropus*	1	Common	R	-	-	-	LC	LC	N	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Black-winged stilt	*Himantopus himantopus*	15	Common	PM	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Pied Avocet	*Recurvirostra avosetta*	4	Abundant	WV	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Common Redshank	*Tringa totanus*	6	Common	PM	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Marsh Sandpiper	*Tringa stagnatilis*	2	Common	PM,WV	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Common Greenshank	*Tringa nebularia*	6	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	White-throated Kingfisher	*Halcyon smyrnensis*	1	Common	R	(LC)	Class II	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Chinese Bulbul	*Pycnonotus sinensis*	3	Abundant	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Plain Prinia	*Prinia inornata*	1	Common	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW2	Masked Laughingthrush	*Pterorhinus perspicillatus*	4	Abundant	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Northern Shoveler	*Spatula clypeata*	6	Abundant	WV	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Eurasian Wigeon	*Mareca penelope*	33	Common	WV	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Eurasian Teal	*Anas crecca*	19	Common	WV	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Black-faced Spoonbill	*Platalea minor*	2	Common	WV	PGC	Class II	EN	EN	EN	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Grey Heron	*Ardea cinerea*	4	Common	WV	PRC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Great Egret	*Ardea alba*	3	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Little Egret	*Egretta garzetta*	6	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Great Cormorant	*Phalacrocorax carbo*	42	Common	WV	PRC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Black-winged stilt	*Himantopus himantopus*	33	Common	PM	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Pied Avocet	*Recurvirostra avosetta*	36	Abundant	WV	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Redshank	*Tringa totanus*	7	Common	PM	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Greenshank	*Tringa nebularia*	9	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Black-headed Gull	*Chroicocephalus ridibundus*	66	Common	WV	PRC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	White Wagtail	*Motacilla alba*	1	Common	PM,WV	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	NSW	Point Count	SP/NSW3	Northern Pintail	*Anas acuta*	2	Abundant	WV	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Transect	FLW	Northern Shoveler	*Spatula clypeata*	16	Abundant	WV	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Transect	FLW	Tufted Duck	*Aythya fuligula*	32	Uncommon	WV	LC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Transect	FLW	Chinese Pond Heron	*Ardeola bacchus*	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Transect	FLW	Grey Heron	*Ardea cinerea*	4	Common	WV	PRC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Transect	FLW	Great Cormorant	*Phalacrocorax carbo*	9	Common	WV	PRC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Transect	FLW	Black Kite	*Milvus migrans*	5	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Transect	FLW	Common Moorhen	*Gallinula chloropus*	3	Common	R	-	-	-	LC	LC	N	Y
08/01/2026	Daytime	Dry	FLW	Transect	FLW	Eurasian Collared Dove	*Streptopelia decaocto*	3	Common	-	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Transect	FLW	Spotted Dove	*Spilopelia chinensis*	2	Abundant	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Transect	FLW	House Swift	*Apus nipalensis*	3	Abundant, Common	SpM,R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Transect	FLW	White-throated Kingfisher	*Halcyon smyrnensis*	1	Common	R	(LC)	Class II	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Transect	FLW	Pied Kingfisher	*Ceryle rudis*	1	Uncommon	R	-	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Transect	FLW	Long-tailed Shrike	*Lanius schach*	1	Common	R	-	-	-	LC	LC	N	N

Appendix F.1 Ecological Bird Monitoring Result (8 January 2026)

Date (dd/mm/yyyy)	Daytime/ Night-time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong[2]	Principal Status[3]	Level of Concern[4]	Protection Status in China[5]	China Red Data Book[6]	Red List of China's Vertebrates[9]	IUCN Red List[7] (v.2020-3)	Species of Conservation Importance	Wetland Dependent[8]
08/01/2026	Daytime	Dry	FLW	Transect	FLW	Japanese Tit	*Parus minor*	2	Common	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Transect	FLW	Red-whiskered Bulbul	*Pycnonotus jocosus*	7	Abundant	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Transect	FLW	Chinese Bulbul	*Pycnonotus sinensis*	6	Abundant	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Transect	FLW	Yellow-browed Warbler	*Phylloscopus inornatus*	2	Common	WV,Sp	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Transect	FLW	Yellow-bellied Prinia	*Prinia flaviventris*	1	Common	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Transect	FLW	Plain Prinia	*Prinia inornata*	5	Common	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Transect	FLW	Red-billed Starling	*Spodiopsar sericeus*	3	Common	WV	GC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	FLW	Transect	FLW	Daurian Redstart	*Phoenicurus auroreus*	1	Common	WV	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Transect	FLW	Stejneger's Stonechat	*Saxicola stejnegeri*	1	Common	PM,WV	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Transect	FLW	Eastern Yellow Wagtail	*Motacilla tschutschensis*	2	Common	PM,WV	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Transect	FLW	Olive-backed Pipit	*Anthus hodgsoni*	2	Common	PM,WV	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Transect	FLW	Black-faced Bunting	*Emberiza spodocephala*	2	Common	PM,WV	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	FLW	Transect	FLW	Black-browed Reed Warbler	*Acrocephalus bistrigiceps*	1	Common	PM	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	NSW	Transect	NSW	Northern Shoveler	*Spatula clypeata*	6	Abundant	WV	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Transect	NSW	Eurasian Teal	*Anas crecca*	4	Common	WV	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	NSW	Transect	NSW	Spotted Dove	*Spilopelia chinensis*	3	Abundant	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	NSW	Transect	NSW	Azure-winged Magpie	*Cyanopica cyanus*	2	Introduced	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	NSW	Transect	NSW	Japanese Tit	*Parus minor*	3	Common	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	NSW	Transect	NSW	Yellow-browed Warbler	*Phylloscopus inornatus*	2	Common	WV,Sp	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	NSW	Transect	NSW	Dusky Warbler	*Phylloscopus fuscatus*	2	Common	PM,WV	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	NSW	Transect	NSW	Masked Laughingthrush	*Pterorhinus perspicillatus*	4	Abundant	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	NSW	Transect	NSW	Swinhoe's White-eye	*Zosterops simplex*	2	Abundant	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Northern Shoveler	*Spatula clypeata*	15	Abundant	WV	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Eurasian Wigeon	*Mareca penelope*	27	Common	WV	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Eurasian Teal	*Anas crecca*	25	Common	WV	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Black-faced Spoonbill	*Platalea minor*	2	Common	WV	PGC	Class II	EN	EN	EN	Y	Y
08/01/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Chinese Pond Heron	*Ardeola bacchus*	4	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Grey Heron	*Ardea cinerea*	3	Common	WV	PRC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Great Egret	*Ardea alba*	4	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Great Cormorant	*Phalacrocorax carbo*	3	Common	WV	PRC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Black-winged stilt	*Himantopus himantopus*	26	Common	PM	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Pied Avocet	*Recurvirostra avosetta*	24	Abundant	WV	RC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Little Ringed Plover	*Charadrius dubius*	5	Common	WV,PM	(LC)	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Common Sandpiper	*Actitis hypoleucos*	1	Common	PM,WV	-	-	-	LC	LC	N	Y
08/01/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Common Redshank	*Tringa totanus*	3	Common	PM	RC	-	-	LC	LC	Y	Y

Appendix F.1 Ecological Bird Monitoring Result (8 January 2026)

Date (dd/mm/yyyy)	Daytime/ Night-time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	Distribution in Hong Kong[2]	Principal Status[3]	Level of Concern[4]	Protection Status in China[5]	China Red Data Book[6]	Red List of China's Vertebrates[9]	IUCN Red List[7] (v.2020-3)	Species of Conservation Importance	Wetland Dependent[8]
08/01/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Black-headed Gull	*Chroicocephalus ridibundus*	24	Common	WV	PRC	-	-	LC	LC	Y	Y
08/01/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Spotted Dove	*Spilopelia chinensis*	2	Abundant	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Dusky Warbler	*Phylloscopus fuscatus*	1	Common	PM,WV	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Crested Myna	*Acridotheres cristatellus*	14	Common	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Black-collared Starling	*Gracupica nigricollis*	6	Common	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	Eurasian Tree Sparrow	*Passer montanus*	3	Abundant	R	-	-	-	LC	LC	N	N
08/01/2026	Daytime	Dry	YLIE-CW	Transect	YLIE-CW	White Wagtail	*Motacilla alba*	1	Common	PM,WV	-	-	-	LC	LC	N	N

Notes:

1. All wild birds are protected under Wild Animals Protection Ordinance (Cap. 170).
2. AFCD (2021). Hong Kong Biodiversity Database.
3. Carey et al. (2001): R=resident; WV=winter visitor; SV=summer visitor; PM=passage migrant; Sp=spring; A=autumn;
4. Fellowes et al. (2002): LC=Local Concern; RC=Regional Concern; PRC=Potential Regional Concern; PGC: Potential Global Concern. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.
5. List of Wild Animals under State Protection (promulgated by State Forestry Administration and Ministry of Agriculture on 14 January, 1989).
6. Zheng, G. M. and Wang, Q. S. (1998). China Red Data Book
7. IUCN 2021. The IUCN Red List of Threatened Species. Version 2020-3.
8. Wetland-dependent species (including wetland-dependent species and waterbirds).
9. Jiang et al. (2016). Red List of China's Vertebrates

Appendix F.2.1 Ecological Bird Monitoring Diversity (All avifauna species in Point Count Method) in All Habitats (8 January 2026)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P)^2
Spatula clypeata	6	0.0086	-4.7536	-0.0410	0.1948
Mareca penelope	43	0.0618	-2.7841	-0.1720	0.4789
Anas acuta	2	0.0029	-5.8522	-0.0168	0.0984
Anas crecca	26	0.0374	-3.2873	-0.1228	0.4037
Aythya fuligula	49	0.0704	-2.6535	-0.1868	0.4957
Tachybaptus ruficollis	8	0.0115	-4.4659	-0.0513	0.2292
Platalea minor	2	0.0029	-5.8522	-0.0168	0.0984
Nycticorax nycticorax	4	0.0057	-5.1591	-0.0296	0.1530
Ardeola bacchus	14	0.0201	-3.9063	-0.0786	0.3069
Ardea cinerea	8	0.0115	-4.4659	-0.0513	0.2292
Ardea alba	6	0.0086	-4.7536	-0.0410	0.1948
Ardea intermedia	1	0.0014	-6.5453	-0.0094	0.0616
Egretta garzetta	13	0.0187	-3.9804	-0.0743	0.2959
Phalacrocorax carbo	104	0.1494	-1.9010	-0.2841	0.5400
Amaurornis phoenicurus	1	0.0014	-6.5453	-0.0094	0.0616
Gallinula chloropus	2	0.0029	-5.8522	-0.0168	0.0984
Himantopus himantopus	54	0.0776	-2.5564	-0.1983	0.5070
Recurvirostra avosetta	69	0.0991	-2.3112	-0.2291	0.5296
Pluvialis fulva	2	0.0029	-5.8522	-0.0168	0.0984
Actitis hypoleucos	1	0.0014	-6.5453	-0.0094	0.0616
Tringa totanus	15	0.0216	-3.8373	-0.0827	0.3173
Tringa stagnatilis	3	0.0043	-5.4467	-0.0235	0.1279
Tringa nebularia	19	0.0273	-3.6009	-0.0983	0.3540
Chroicocephalus ridibundus	120	0.1724	-1.7579	-0.3031	0.5328
Larus fuscus	1	0.0014	-6.5453	-0.0094	0.0616
Streptopelia decaocto	3	0.0043	-5.4467	-0.0235	0.1279
Spilopelia chinensis	6	0.0086	-4.7536	-0.0410	0.1948
Apus nipalensis	2	0.0029	-5.8522	-0.0168	0.0984
Halcyon smyrnensis	1	0.0014	-6.5453	-0.0094	0.0616
Alcedo atthis	1	0.0014	-6.5453	-0.0094	0.0616
Lanius schach	1	0.0014	-6.5453	-0.0094	0.0616
Corvus torquatus	2	0.0029	-5.8522	-0.0168	0.0984
Corvus macrorhynchos	2	0.0029	-5.8522	-0.0168	0.0984
Pycnonotus jocosus	6	0.0086	-4.7536	-0.0410	0.1948
Pycnonotus sinensis	3	0.0043	-5.4467	-0.0235	0.1279
Hirundo rustica	5	0.0072	-4.9359	-0.0355	0.1750
Phylloscopus inornatus	2	0.0029	-5.8522	-0.0168	0.0984
Phylloscopus fuscatus	1	0.0014	-6.5453	-0.0094	0.0616
Prinia flaviventris	1	0.0014	-6.5453	-0.0094	0.0616
Prinia inornata	5	0.0072	-4.9359	-0.0355	0.1750
Pterorhinus perspicillatus	8	0.0115	-4.4659	-0.0513	0.2292
Zosterops simplex	2	0.0029	-5.8522	-0.0168	0.0984
Acridotheres cristatellus	43	0.0618	-2.7841	-0.1720	0.4789
Gracupica nigricollis	13	0.0187	-3.9804	-0.0743	0.2959
Copsychus saularis	1	0.0014	-6.5453	-0.0094	0.0616
Saxicola stejnegeri	1	0.0014	-6.5453	-0.0094	0.0616
Lonchura punctulata	3	0.0043	-5.4467	-0.0235	0.1279
Motacilla tschutschensis	2	0.0029	-5.8522	-0.0168	0.0984
Motacilla alba	9	0.0129	-4.3481	-0.0562	0.2445

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P)^2
Total	696	1	-243.4397	-2.9167	9.9238
Richness	49				
SS	9.9238				
SQ	8.5073				
H	2.9167				
S^2H	0.0021				

Appendix F.2.2 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Point Count Method) in All Habitats (8 January 2026)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	$P*Ln(P)^2$
Spatula clypeata	6	0.0105	-4.5574	-0.0478	0.2179
Mareca penelope	43	0.0752	-2.5879	-0.1945	0.5035
Anas acuta	2	0.0035	-5.6560	-0.0198	0.1119
Anas crecca	26	0.0455	-3.0910	-0.1405	0.4343
Aythya fuligula	49	0.0857	-2.4573	-0.2105	0.5173
Tachybaptus ruficollis	8	0.0140	-4.2697	-0.0597	0.2550
Platalea minor	2	0.0035	-5.6560	-0.0198	0.1119
Nycticorax nycticorax	4	0.0070	-4.9628	-0.0347	0.1722
Ardeola bacchus	14	0.0245	-3.7101	-0.0908	0.3369
Ardea cinerea	8	0.0140	-4.2697	-0.0597	0.2550
Ardea alba	6	0.0105	-4.5574	-0.0478	0.2179
Ardea intermedia	1	0.0017	-6.3491	-0.0111	0.0705
Egretta garzetta	13	0.0227	-3.7842	-0.0860	0.3255
Phalacrocorax carbo	104	0.1818	-1.7047	-0.3100	0.5284
Himantopus himantopus	54	0.0944	-2.3602	-0.2228	0.5259
Recurvirostra avosetta	69	0.1206	-2.1150	-0.2551	0.5396
Pluvialis fulva	2	0.0035	-5.6560	-0.0198	0.1119
Tringa totanus	15	0.0262	-3.6411	-0.0955	0.3477
Tringa stagnatilis	3	0.0052	-5.2505	-0.0275	0.1446
Tringa nebularia	19	0.0332	-3.4047	-0.1131	0.3850
Chroicocephalus ridibundus	120	0.2098	-1.5616	-0.3276	0.5116
Larus fuscus	1	0.0017	-6.3491	-0.0111	0.0705
Halcyon smyrnensis	1	0.0017	-6.3491	-0.0111	0.0705
Corvus torquatus	2	0.0035	-5.6560	-0.0198	0.1119
Total	572	1	-99.9569	-2.4361	6.8770
Richness	22				
SS	6.8770				
SQ	5.9348				
H	2.4361				
S^2H	0.00168				

Appendix F.2.3 Ecological Bird Monitoring Diversity (All avifauna species in Transect Walk Method) in All Habitats (8 January 2026)

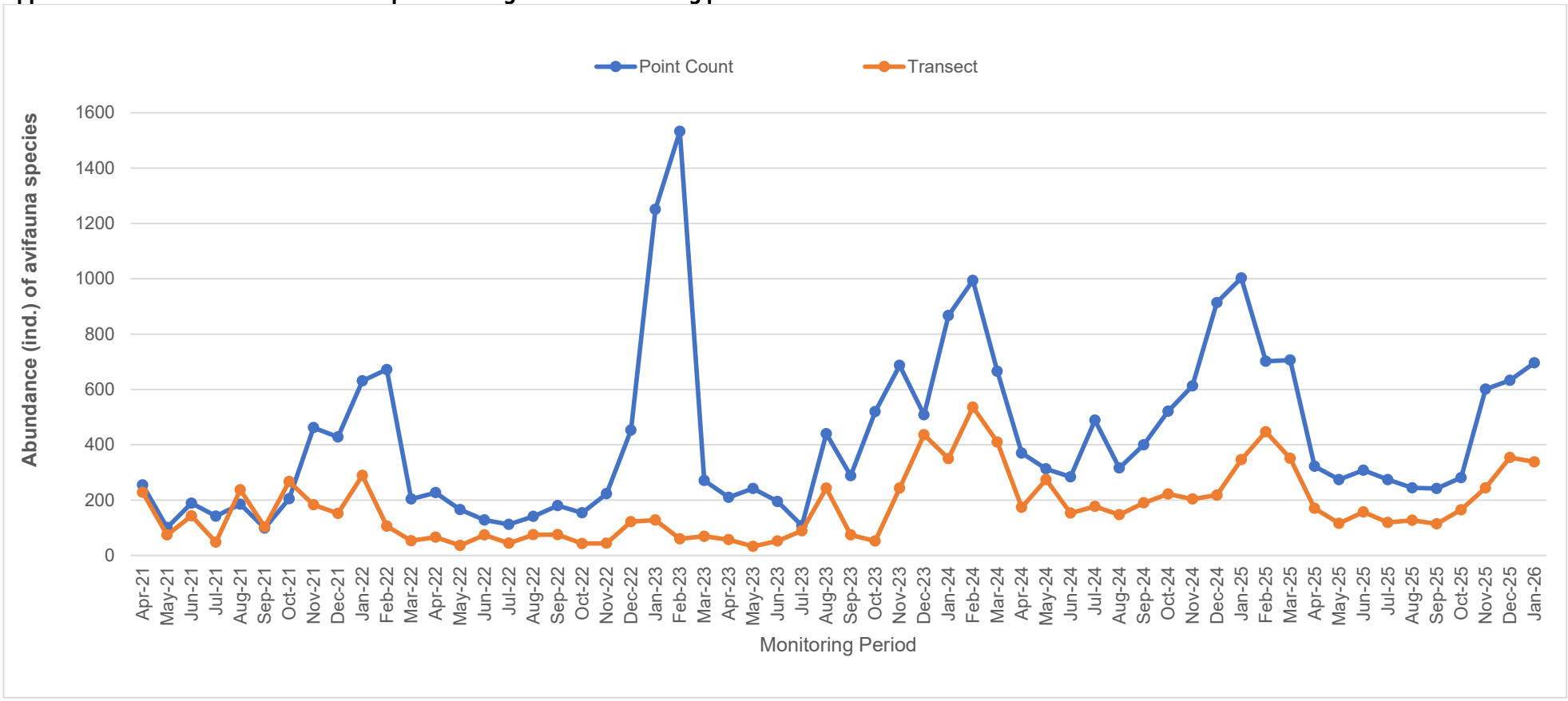
Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P)^2
Spatula clypeata	37	0.1095	-2.2121	-0.2422	0.5357
Mareca penelope	27	0.0799	-2.5272	-0.2019	0.5102
Anas crecca	29	0.0858	-2.4558	-0.2107	0.5174
Aythya fuligula	32	0.0947	-2.3573	-0.2232	0.5261
Platalea minor	2	0.0059	-5.1299	-0.0304	0.1557
Ardeola bacchus	6	0.0178	-4.0313	-0.0716	0.2885
Ardea cinerea	7	0.0207	-3.8771	-0.0803	0.3113
Ardea alba	4	0.0118	-4.4368	-0.0525	0.2330
Phalacrocorax carbo	12	0.0355	-3.3381	-0.1185	0.3956
Milvus migrans	5	0.0148	-4.2136	-0.0623	0.2626
Gallinula chloropus	3	0.0089	-4.7244	-0.0419	0.1981
Himantopus himantopus	26	0.0769	-2.5649	-0.1973	0.5061
Recurvirostra avosetta	24	0.0710	-2.6450	-0.1878	0.4968
Charadrius dubius	5	0.0148	-4.2136	-0.0623	0.2626
Actitis hypoleucos	1	0.0030	-5.8230	-0.0172	0.1003
Tringa totanus	3	0.0089	-4.7244	-0.0419	0.1981
Chroicocephalus ridibundus	24	0.0710	-2.6450	-0.1878	0.4968
Streptopelia decaocto	3	0.0089	-4.7244	-0.0419	0.1981
Spilopelia chinensis	7	0.0207	-3.8771	-0.0803	0.3113
Apus nipalensis	3	0.0089	-4.7244	-0.0419	0.1981
Halcyon smyrnensis	1	0.0030	-5.8230	-0.0172	0.1003
Ceryle rudis	1	0.0030	-5.8230	-0.0172	0.1003
Lanius schach	1	0.0030	-5.8230	-0.0172	0.1003
Cyanopica cyanus	2	0.0059	-5.1299	-0.0304	0.1557
Parus minor	5	0.0148	-4.2136	-0.0623	0.2626
Pycnonotus jocosus	7	0.0207	-3.8771	-0.0803	0.3113
Pycnonotus sinensis	6	0.0178	-4.0313	-0.0716	0.2885
Phylloscopus inornatus	4	0.0118	-4.4368	-0.0525	0.2330
Phylloscopus fuscatus	3	0.0089	-4.7244	-0.0419	0.1981
Acrocephalus bistrigiceps	1	0.0030	-5.8230	-0.0172	0.1003
Prinia flaviventris	1	0.0030	-5.8230	-0.0172	0.1003
Prinia inornata	5	0.0148	-4.2136	-0.0623	0.2626
Pterorhinus perspicillatus	4	0.0118	-4.4368	-0.0525	0.2330
Zosterops simplex	2	0.0059	-5.1299	-0.0304	0.1557
Acridotheres cristatellus	14	0.0414	-3.1840	-0.1319	0.4199
Spodiopsar sericeus	3	0.0089	-4.7244	-0.0419	0.1981
Gracupica nigricollis	6	0.0178	-4.0313	-0.0716	0.2885
Phoenicurus auroreus	1	0.0030	-5.8230	-0.0172	0.1003
Saxicola stejnegeri	1	0.0030	-5.8230	-0.0172	0.1003
Passer montanus	3	0.0089	-4.7244	-0.0419	0.1981
Motacilla tschutschensis	2	0.0059	-5.1299	-0.0304	0.1557
Motacilla alba	1	0.0030	-5.8230	-0.0172	0.1003
Anthus hodgsoni	2	0.0059	-5.1299	-0.0304	0.1557
Emberiza spodocephala	2	0.0059	-5.1299	-0.0304	0.1557

Scientific Name	Count	P	Ln(P)	P*Ln(P)	$P*Ln(P)^2$
Total	338	1	-194.0773	-3.1944	11.1773
Richness	44				
SS	11.1773				
SQ	10.2039				
H	3.1944				
S^2H	0.003068				

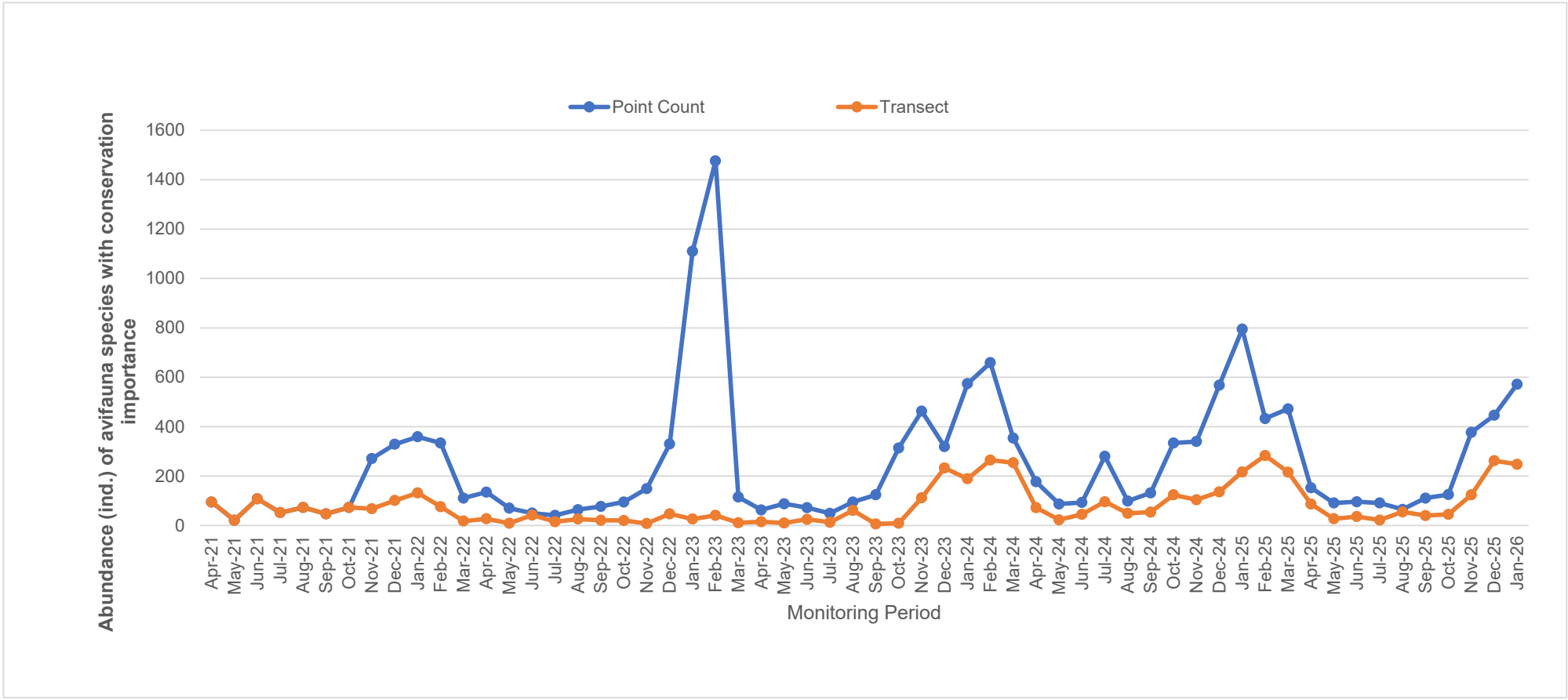
Appendix F.2.4 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (8 January 2026)

Scientific Name	Count	P	Ln(P)	P*Ln(P)	P*Ln(P)^2
Spatula clypeata	37	0.1492	-1.9025	-0.2838	0.5400
Mareca penelope	27	0.1089	-2.2176	-0.2414	0.5354
Anas crecca	29	0.1169	-2.1461	-0.2510	0.5386
Aythya fuligula	32	0.1290	-2.0477	-0.2642	0.5410
Platalea minor	2	0.0081	-4.8203	-0.0389	0.1874
Ardeola bacchus	6	0.0242	-3.7217	-0.0900	0.3351
Ardea cinerea	7	0.0282	-3.5675	-0.1007	0.3592
Ardea alba	4	0.0161	-4.1271	-0.0666	0.2747
Phalacrocorax carbo	12	0.0484	-3.0285	-0.1465	0.4438
Milvus migrans	5	0.0202	-3.9040	-0.0787	0.3073
Himantopus himantopus	26	0.1048	-2.2553	-0.2364	0.5333
Recurvirostra avosetta	24	0.0968	-2.3354	-0.2260	0.5278
Charadrius dubius	5	0.0202	-3.9040	-0.0787	0.3073
Tringa totanus	3	0.0121	-4.4148	-0.0534	0.2358
Chroicocephalus ridibundus	24	0.0968	-2.3354	-0.2260	0.5278
Halcyon smyrnensis	1	0.0040	-5.5134	-0.0222	0.1226
Ceryle rudis	1	0.0040	-5.5134	-0.0222	0.1226
Spodiopsar sericeus	3	0.0121	-4.4148	-0.0534	0.2358
Total	248	1	-62.1696	-2.4803	6.6754
Richness	18				
SS	6.6754				
SQ	6.1520				
H	2.4803				
S^2H	0.00225				

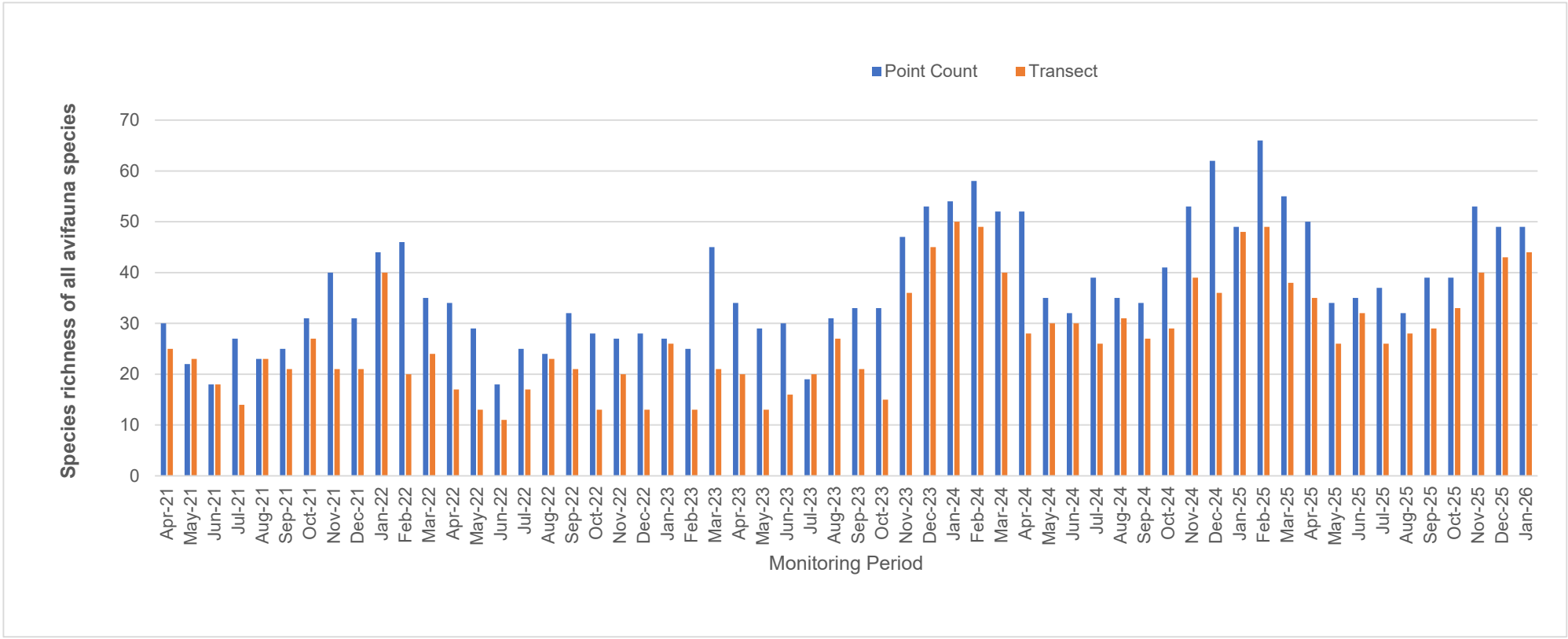
Appendix F.3.1 Abundance of all avifauna species throughout the monitoring period



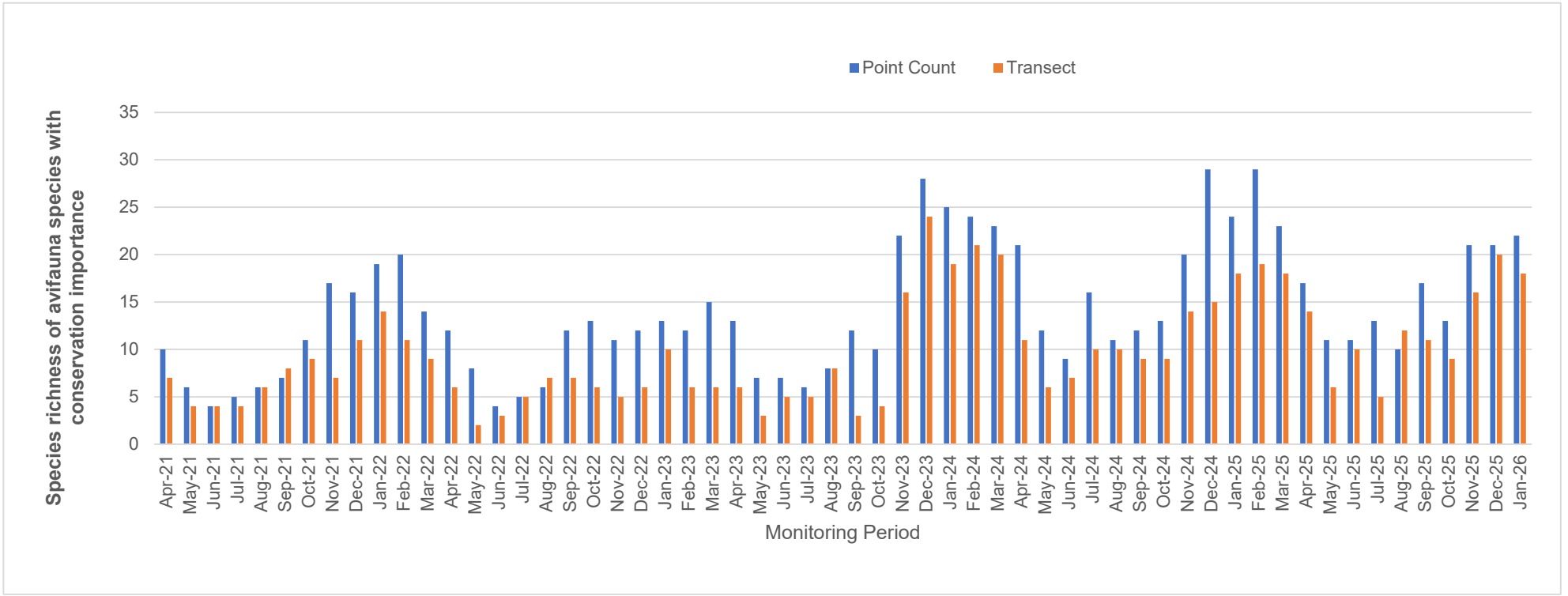
Appendix F.3.2 Abundance of avifauna species with conservation importance throughout the monitoring period



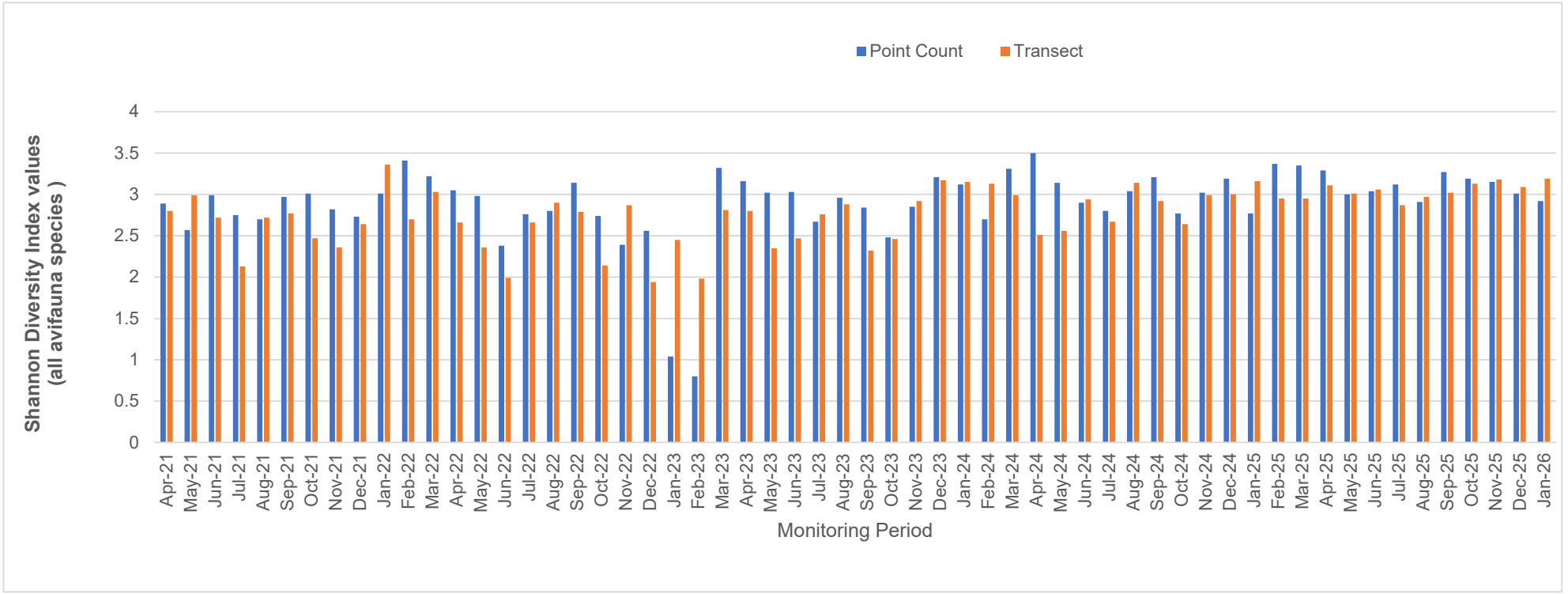
Appendix F.4.1 Species richness of all avifauna species throughout the monitoring period



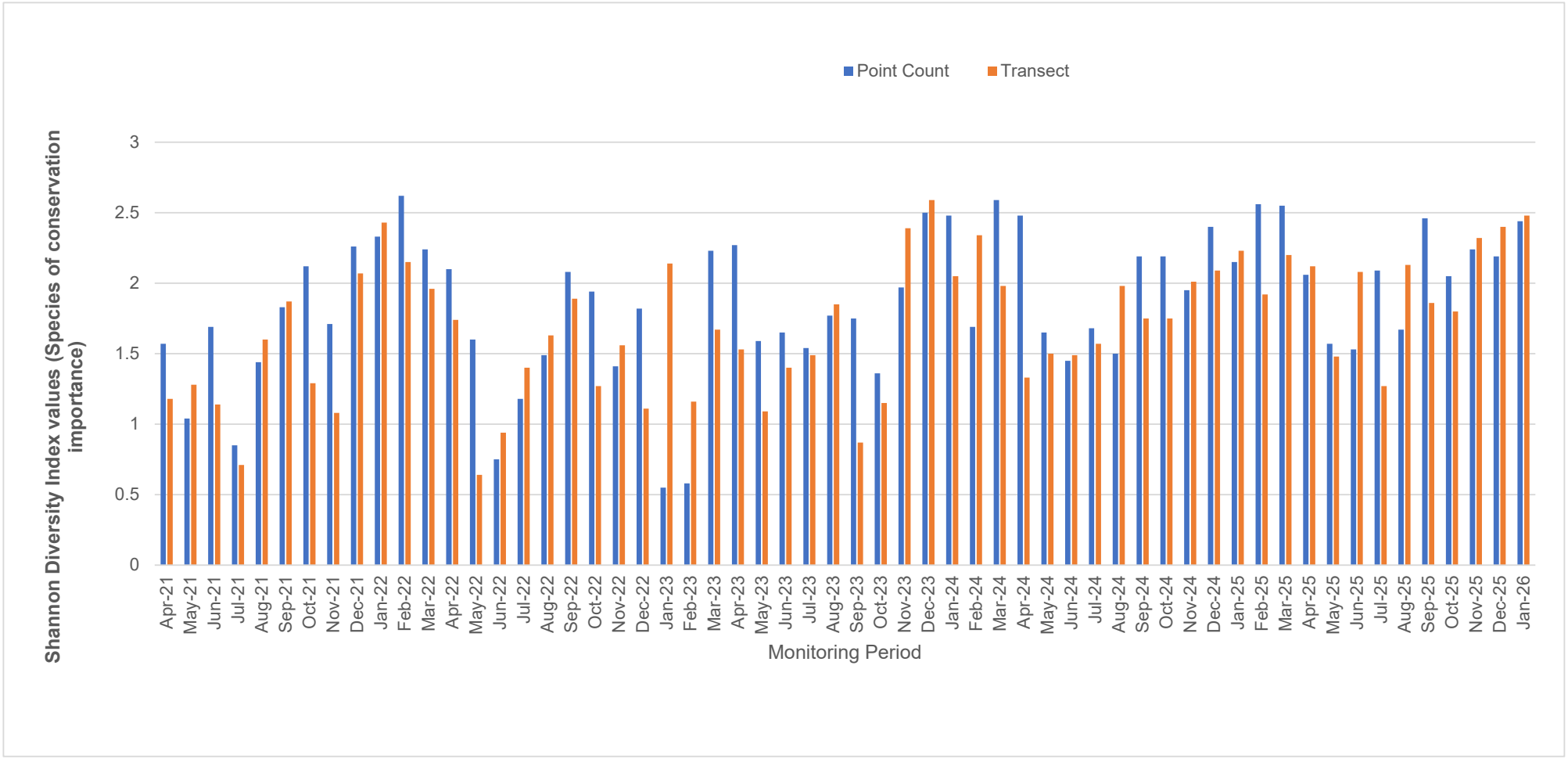
Appendix F.4.2 Species richness of avifauna species with conservation importance throughout the monitoring period



Appendix F.5.1 Shannon Diversity Index values of all avifauna species throughout the monitoring period



Appendix F.5.2 Shannon Diversity Index values of avifauna species with conservation importance throughout the monitoring period



Appendix F.6. Hutcheson t-test testing method and output

Formula:

$$t = \frac{H_a - H_b}{\sqrt{s^2_{H_a} + s^2_{H_b}}}$$

Appendix F.6.1 Species diversity of all avifauna species – Point Count Method

Months	January 2017	January 2026
Total	708	696
Richness	47	49
H	2.8234	2.9167
S^2H	0.002600	0.002085
t	1.3633	
df	1389.6968	
Crit	1.9617	
p	1.73E-01	
CI	0.1020	0.0913

Appendix F.6.2 Species diversity of all avifauna species – Transect Walk Method

Months	January 2017	January 2026
Total	347	338
Richness	50	44
H	3.3086	3.1944
S^2H	0.00282	0.003068
t	1.4883	
df	682.9145	
Crit	1.9634	
p	1.37E-01	
CI	0.1062	0.1108

Appendix F.6.3 Species diversity of avifauna species with conservation importance – Point Count Method

Months	January 2017	January 2026
Total	528	572
Richness	22	22
H	2.2413	2.4361
S^2H	0.002900	0.001679
t	2.8794	
df	1005.3411	
Crit	1.9623	
p	4.07E-03	
CI	0.1077	0.0820

Appendix F.6.4 Species diversity of avifauna species with conservation importance – Transect Walk Method

Months	January 2017	January 2026
Total	83	248
Richness	11	18
H	1.7885	2.4803
S^2H	0.01120	0.00225
t	5.9658	
df	118.0848	
Crit	1.9803	
p	2.61E-08	
CI	0.2117	0.0948