DA ACOUSTIC REPORT

Hungry Jack's, 63 Horatio Street, Mudgee

ID: 12941 R01v2

10 March 2025

Prepared For:
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Association of Australian Acoustical Consultants

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The work reported herein has been carried out in accordance with the terms of membership. We stress that the advice given herein is for acoustic purposes only, and that the relevant authorities should be consulted with regard to compliance with regulations governing areas other than acoustics.

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1.0 INTRODUCTION

PKA Acoustic Consulting (PKA) has been commissioned to perform an acoustic assessment of the proposed Hungry Jack's restaurant and drive-thru operation located at the 63 Horatio Street, Mudgee.

It is PKA's understanding that as part of the DA approval documentation, the Mid-Western Regional Council requires an acoustic report to assess the environmental noise impact from the use of the proposed premises to the surrounding sensitive receivers and to provide recommendations where required to comply with the relevant acoustic criteria.

2.0 SUMMARY

An acoustic assessment has been conducted in accordance with the acoustic requirements of the Mid-Western Regional Council and the *NSW EPA Noise Policy for Industry* (NPfI) for the proposed fast food restaurant.

Unattended noise monitoring was conducted to measure the existing ambient and background noise levels on site. Based on the results of the noise monitoring, noise goals were established based on the relevant acoustic criteria.

Based on the established acoustic criteria and provided information, operational calculations were made to estimate the noise impact on the surrounding potentially affected receivers. Calculations performed indicate that the operation of the proposed development will comply with the established acoustic criteria provided that the recommendations made in Section 7.0 are implemented.

3.0 SITE DESCRIPTION

3.1 Site Location

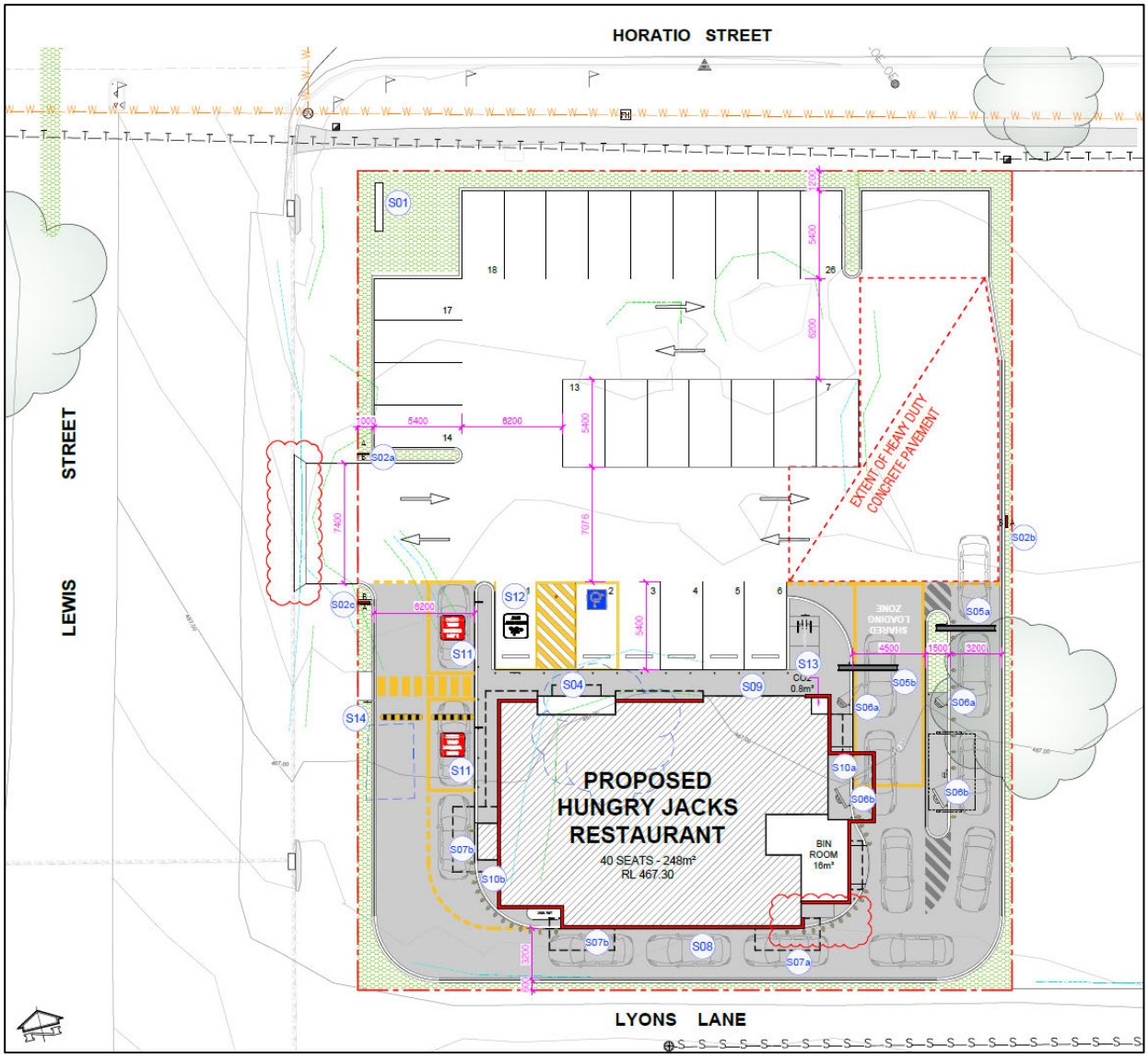
The proposed 24x7 Hungry Jack's restaurant is located at 63 Horatio Street, Mudgee. The site is bound by Horatio Street to the north, Lewis Street to the west, Lyons Lane to the south and an adjacent vacant residential property to the east.

The following figure shows a location of the site and presents a markup of the surroundings. The nearest sensitive residential receivers are identified below as R1 to R4 and a detailed discussion of these premises is presented in Section 3.2.

Figure 3-1 Site Location

(Sourced from SIX Maps 2025. The markup below is indicative and is done for presentation purposes. Please refer to the architectural and survey plans for exact site boundaries.)

Figure 3-2 Overall Site Layout (Extract from Architectural Plans)



3.2 Sensitive Areas and Residential Receivers

The following is the summary of the sensitive residential receivers of the noise impact from the activity at the proposed development.

Residential Receiver 1 (R1) – Located to the south across Lyons Lane, these premises comprise of mixed use premises. The buildings located immediately on Lyons Lane are commercial with the residential building further setback towards Inglis Street.

Residential Receiver 2 (R2) – Residential buildings located across Lewis Street to the west between 69 Horatio Street and 74 Lewis Street.

Residential Receiver 3 (R3) – Residential buildings located across Horatio Street between 46 to 48 Horatio Street and 89 Lewis Street.

Residential Receiver 4 (R4) – Located adjacently to the east at 61 Horatio Street. Although it's current use is residential, this building is currently vacant and derelict.

4.0 NOISE CRITERIA

NSW EPA Noise Policy for Industry (NPfI)

Noise generated from commercial and mechanical equipment is generally assessed against the requirements of the *NSW EPA Noise Policy for Industry 2017 (NPfI).* The policy sets out two separate criteria to ensure environmental noise objectives are met. The first criterion considers intrusive noise to residential properties and the second is set to ensure the amenity of the land use is protected. The lower value of both criteria is considered to be the Project noise trigger level, which is the limit of the $L_{Aeq\ 15min}$ noise level that must not be exceeded for the corresponding period of the day.

In addition, there is a Maximum noise level event assessment to protect against potential sleep disturbance during the night-time hours.

Amenity Criterion

To limit continuing increases in noise levels, the maximum ambient noise level within an area from commercial noise sources should not normally exceed the levels as specified in Table 2.2 of the policy for the specified time of the day. NSW EPA Noise Policy for Industry recommends the following Amenity Noise Levels for residential receiver premises.

Table 4-1 Noise Criteria - Amenity for residential buildings

Type of receiver	Time of day	Recommended Amenity Noise Level $L_{Aeq\ (period)}$
Residence (Suburban)	Day	55 dB(A)
	Evening	45 dB(A)
	Night	40 dB(A)

To ensure that industrial noise levels (existing plus new) remain within the recommended amenity noise levels for an area, a project amenity noise level applies for each new source of industrial noise as follows:

Project amenity noise level for development = recommended amenity noise level **minus 5 dB(A).**

To standardise the time periods for the intrusiveness and amenity noise levels, this policy assumes that the Amenity $L_{Aeq,15min}$ will be taken to be equal to the $L_{Aeq,\ period}$ **+ 3 decibels (dB).**

Intrusiveness Criterion

The intrusiveness of a stationary noise source may be considered acceptable if the average of the maximum A-weighted levels of noise, $L_{Aeq\ 15\ minute}$ from the source do not exceed by more than 5dB the Rating Background Level (RBL) measured in the absence of the source. This applies during all times of the day and night. There also exists an adjustment factor to be applied as per the character of the noise source. This includes factors such as tonal, fluctuating, low frequency, impulsive, intermittent etc. qualities of noise. The RBL is determined in accordance with Section 2.3 of the NSW EPA NPfI. The intrusiveness criterion is $L_{Aeq\ 15\ minute} < RBL+5$.

Maximum Noise level event assessment

For use of the premises during the night-time period, to protect the receivers from potential sleep disturbance from maximum noise level event from the premises, the following noise criteria is applicable.

Where the subject development/premises night-time noise levels at a residential location exceed:

- $L_{Aeq,15min}$ 40dB(A) or the prevailing RBL + 5dB, whichever is greater and/or
- L_{AFmax} 52dB(A) or the prevailing RBL + 15dB, whichever is greater.

5.0 NOISE SURVEY & PROJECT NOISE GOALS

5.1 Methodology

Unattended noise monitoring was conducted on site between 24th and 31st January 2025 to measure the existing ambient and background noise levels. The noise monitor was programmed to store the L_n percentile noise levels for each 15-minute sampling period. Measurements were made of L_{min}, L_{max}, L_{90}, and L_{eq} and were later retrieved for analysis.

The position of the noise monitor is shown in Figure 3-1. The results and summary of the noise monitoring are listed in graphical form in Appendix B of this report. Periods of adverse weather were excluded accordingly.

The noise monitors were deployed as follows:

Noise Monitor 1: Closer to the northern end of the site, directly exposed to the traffic noise activity on Horatio Street, measuring the existing traffic and background noise levels that would be representative of those experienced by the residential properties directly facing this traffic activity.

Noise Monitor 2: Closer to the southern end of the site, further away from traffic noise activity on Horatio Street and the existing background noise levels that would be representative of those experienced by the residential properties to the south across Lyons Lane.

5.2 Instrumentation

Noise measurements were conducted using the following equipment:

- Sound analyser NTi XL2 Type Approved, Serial No. A2A- 16434-E0.
- Sound analyser NTi XL2 Type Approved, Serial No. A2A- 09467-E0.
- Sound calibrator Larson & Davis, Serial number 11419.

The instruments were calibrated before and after the noise measurements and there were no adverse deviations between the two.

The analysers are type 1 and comply with AS IEC 61672.2-2004. The instruments carry traceable calibration certificates.

5.3 Project Noise Criteria

The following presents the results of the unattended noise monitors' measurements and goals for noise breakout from the ongoing use of the proposed premises.

Table 5-1 Project Noise Trigger Levels at Residential Receiver Boundary

Receiver Type	Period**	Measured RBL (L_{A90})	Acceptable Noise Levels $L_{Aeq(period)}$	NSW Noise Policy for Industry Criteria		Project Noise Trigger Levels $L_{Aeq15min}$
				Amenity $L_{Aeq15min}$	Intrusiveness $L_{Aeq15min}$	
Residential R1 & R2	Day	49 dB(A)	55 dB(A)	53 dB(A)	54 dB(A)	**53 dB(A)**
	Evening	43 dB(A)	45 dB(A)	43 dB(A)	48 dB(A)	**43 dB(A)**
	Night	44 dB(A)	40 dB(A)	38 dB(A)	48 dB(A) *	**38 dB(A)**
Residential R3 & R4	Day	47 dB(A)	55 dB(A)	53 dB(A)	52 dB(A)	**52 dB(A)**
	Evening	43 dB(A)	45 dB(A)	43 dB(A)	48 dB(A)	**43 dB(A)**
	Night	43 dB(A)	40 dB(A)	38 dB(A)	48 dB(A)	**38 dB(A)**

* The intrusiveness criteria for the evening periods has been considered to be the same as daytime period based on section "2.3 Project intrusiveness noise level" of the Noise Policy for Industry 2017, which states that *"... in determining project noise trigger levels for a particular development, it is generally recommended that the project intrusiveness noise level for evening be set at no greater than the project intrusiveness noise level for daytime. The project intrusiveness noise level for night-time should be no greater than the project intrusiveness noise level for day or evening."*

**Section 2.4 of the NPfI states that the assessment periods are defined as follows:

Period	Monday to Saturday	Sundays and Public Holidays
Day	07:00 to 18:00	08:00 to 18:00
Evening	18:00 to 22:00	18:00 to 22:00
Night	22:00 to 07:00	22:00 to 08:00

Although there is a provision within the NPfI to make amenity noise criteria corrections for existing traffic noise levels, this was not performed in this case as detailed audio analysis of the night-time measurements showed that the loudest ambient noise levels were not from traffic noise but from other activities including insect noise and activities from other surrounding properties.

Table 5-2 NPfI Sleep Disturbance Criteria (for use between 10pm and 7am)

Time	Receiver Location	Noise Criteria	
		$L_{Aeq15min}$ at receiver boundary	L_{AFmax} at receiver boundary
Night-time	At Any Residential Receiver Facade	43 dB(A)	53 dB(A)

6.0 ASSESSMENT OF NOISE IMPACT FROM FAST FOOD PREMISES

6.1 Operational Details

PKA reviewed the operational management details provided by the client. All calculations and recommendations below were based on the following operational details and assumptions taken from these documents.

(For acoustic purposes, only a general outline is presented above. For a detailed summary of the operational activities, please refer to the relevant documents detailing the operational details for the site.)

6.1.1 General Operational Details

- The restaurant is proposed to operate 24 hours, 7 days a week.
- The restaurant will include a drive-thru that will be used during the opening hours.
- The dine-in patron capacity is for a maximum of 40 customers.

6.1.2 Use of the Carpark & Drive Thru

- PKA reviewed the provided Transport Impact Assessment prepared by One Mile Grid, Report ref. 250059TIA001A, dated 27th February 2025.
- The report details the following Proposed Peak Period Traffic Generation for the overall site.

Table 6-1 Proposed Anticipated Peak Traffic Generation

Period	Inbound (vph)	Outbound (vph)	Total (vph)
AM Peak	15	15	30
PM Peak	30	31	61

6.1.3 Mechanical Plant & Equipment

A confirmed mechanical equipment schedule was unavailable at the time of preparation of this report. This is typically available during the later stages of the development (Generally prior to Construction Certification) when the appropriate contractor is engaged.

Review of the plans however shows that the mechanical plant is proposed on the rooftop of the restaurant building with privacy screens surrounding the equipment.

As the exact source noise levels are unable to be determined, acoustic recommendations regarding noise goals are presented in Section 7.0 of this report for consideration during the CC stage of the development.

6.2 Noise Impact Calculations

6.2.1 Noise Modelling Parameters

Based on the client provided architectural plans and plan of management, the parameters were adopted in the preparation of the SoundPLAN noise model. The module of SoundPLAN uses the ISO

9613-2:1999 Attenuation of Sound During Propagation Outdoors. This standard assumes a moderate downwind from the source to the receptor (between 1m/s and 5m/s measured at a height of 3m to 11m) or a moderate ground-based temperature inversion and therefore presents a conservative result if compared to neutral weather conditions.

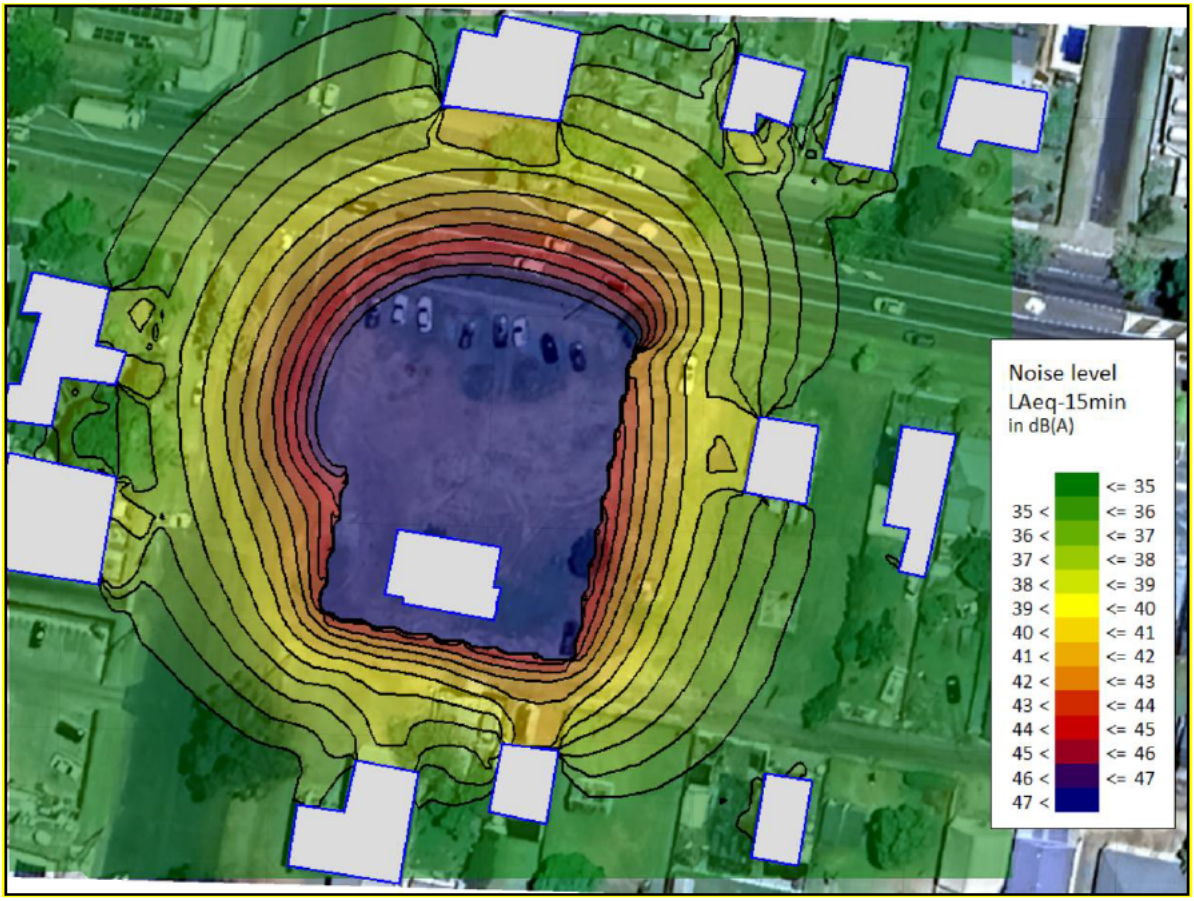
Based on the provided carpark management plan and the operational details discussed in Section 6.1.2, a noise model was prepared using SoundPlan 9.1 software. Based on the number of car spots, the model utilized the methodology outlined in the Bayerisches Landesamt für Umwelt's published document titled "Parking Area Noise" (2007), which details how to estimate the sound power level of a car park based on relevant parameters.

The patron activity from the inside the building is not expected to impact the residential receivers as the majority of the operational noise breakout is anticipated from the use of the drive-thru and the carpark. However, for the purposes of calculations, PKA is assuming an indoor spatial average of 74 dB(A) within the entire [based on previous measurements conducted by PKA in similar premises with the noise levels including background music and general patron conversations]. It was assumed that the windows and doors will remain open. This was implemented within the noise model.

6.2.2 Noise Modelling Results & Discussion

The results of the noise modelling are presented as graphical images below. The modelling graphics show the noise impact to the surroundings including the effects of façade reflection and the recommendations made in Section 7.0.

Figure 6-1 Noise Modelling Results at Ground Floor (1.5m Height) with Façade Reflection



The following table presents the summary of above noise impact results at the most affected point of the presidential receiver. As there are no balconies on these facades, the noise impact was corrected for façade reflection (-2.5dB) to reflect the practical experience of the occupant.

Table 6-2 Calculated Noise Impact at Most-Affected Point of Residential Receivers

Description of Receiver	Noise Impact Result from Noise Modelling at Receiver (Most Affected Point) $L_{Aeq15min}$	Project Noise Trigger Levels $L_{Aeq15min}$	Complies?
Residential Receiver R1	<38 dB(A)	Daytime 53 dB(A) Evening 43 dB(A) Night 38 dB(A)	Yes
Residential Receiver R2	36 dB(A)		Yes
Residential Receiver R3	37 dB(A)	Daytime 52 dB(A) Evening 43 dB(A) Night 38 dB(A)	Yes
Residential Receiver R4	<38 dB(A)		Yes

A shown in the above table, the results of the noise modelling indicate that acoustic compliance will be achieved on site. Detailed recommendations are presented in Section 7.0 of this report.

To assess sleep disturbance for activity during the night, the loudest transient activity during the night-time hours was considered which was the activity from the car park and it is expected to be from an engine start activity. Based on extensive noise measurements conducted by PKA in the past, a typical SPL of 68dB(A) at 10m was considered. All calculations below assume that the recommendations made in Section 7.0 of this report are implemented.

Table 6-3 Sleep Disturbance Assessment Results at Surrounding Receivers

Maximum Noise Level Event Assessment Criteria (Most Affected)		Calculated Noise Impact at Most Affected Residential Boundary		Complies?
$L_{Aeq15min}$	L_{Amax}	$L_{Aeq15min}$	L_{Amax}	
38 dB(A)	53 dB(A)	As per Table 6-2	<50 dB(A)	Yes

7.0 RECOMMENDATIONS

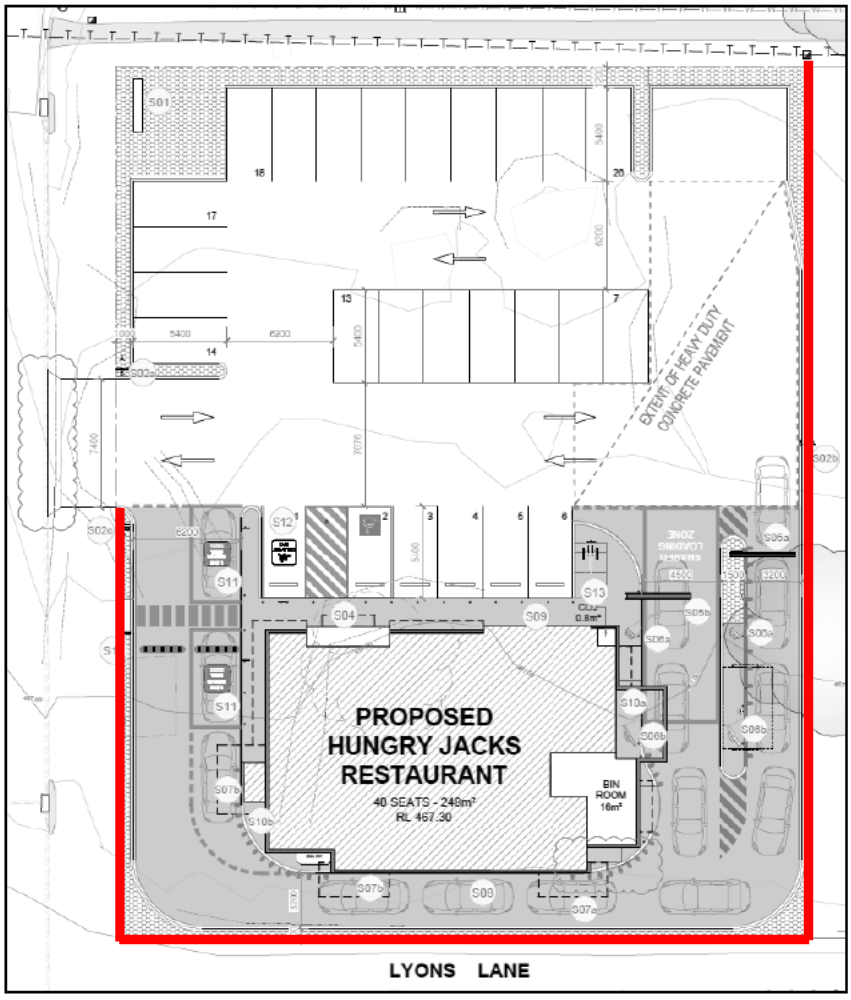
The following recommendations are required to ensure that acoustic compliance is achieved and maintained. The recommendations have been based on data provided to PKA for the preparation of this report and assumptions made in the calculations.

1. Boundary Treatment (Section to be viewed in colour)

A 1.8m tall acoustic barrier must be installed along the boundary separating the proposed fast food restaurant and the receivers as shown in Figure 7-1 (marked in **red**). The acoustic fence must have a minimum acoustic performance of R_w25. Structural requirements must be checked with the relevant authority. The acoustic barrier must be of solid construction (with no air gaps or penetrations including the connections and structural bases) such as:

- Timber fence with double lapped boards of standard 15mm thickness, allowing a continuous thickness of 30mm.
- Polycarbonate Transparent Sheeting (selection must ensure the R_w rating is met).
- Aerated Concrete panels such as Hebel.
- Masonry or Precast concrete panels.
- Any combination of the above

Figure 7-1 Extent of Recommended Acoustic Barriers



2. Outdoor Mechanical Plant & Equipment

The final selections of any outdoor mechanical and plant equipment (including air-conditioners and exhaust systems) use must be checked by a qualified acoustic consultant to ensure that the rated sound power/pressure levels will comply at the boundary of the sensitive residences with the EPA NPfI Project Trigger Levels listed in Table 5-1

3. Complaints Handling

If any complaints occur from other external residents/receivers during operation, section 11 titled "Reviewing performance" of the NSW Industrial Noise Policy (now superseded) provides a method of complaint handling and management. Post negotiations, the following recommendations should be implemented (taken from the NSW INP).

> *Where residual noise impacts have been negotiated, it is recommended that the proponent run a complaints-monitoring system. Components of such a system could include:*
>
> - *a complaint hotline to record receiver complaints regarding the development.*
> - *a system for logging complaints and dealing with them.*
> - *a database of complaints and the proponent's responses/actions. This should be readily accessible to the community and regulatory authorities.*
> - *a system for providing feedback to the community (this could be in the form of regular meetings with affected residents, or a newsletter).*

4. Deliveries and Truck Movements

All truck movements, loading/unloading should take place with minimum amount of noise emission to the neighbouring residential premises. The trucks should be selected to have minimal noise and a proper exhaust system. All drivers should be advised to keep the noise to a minimum. To eliminate any reversing beeping, the route must be planned to minimize the reversing distance. Trucks should be switched off as soon as they arrive at position for loading/unloading. Deliveries to be within the daytime hours to ensure compliance with the sleep disturbance criteria.

APPENDIX A DRAWINGS USED TO PREPARE REPORT

This report was prepared using drawings provided by Fang Architects, Project No. 240906.

No.	Rev.	Title	Date
DA00	F	Cover Page & Location Plan	18-02-2025
DA01	B	Site And Signage Location Plan	22-11-2024
DA02	B	Proposed Floor Plan	22-11-2024
DA03	B	Roof Plan	22-11-2024
DA04	C	Elevations Sheet 1	17-01-2025
DA05	C	Elevations Sheet 2	17-01-2025
DA06	D	Signage Details 1	17-01-2025
DA07	B	Signage Details 2	22-11-2024
DA08	C	Signage Details 3	17-01-2025
DA09	B	Drive Thru Order Canopy Details	22-11-2024
DA10	B	External Finishes Schedule	22-11-2024
DA11	B	3D Perspectives	22-11-2024

APPENDIX B NOISE MEASUREMENTS (GRAPHICAL)

Noise Monitor 1

12941 Hungry Jack's, Horatio Street (63), Mudgee

PKA Acoustic Consulting

Project Address: 63 Horatio Street, Mudgee

Logger Location: At Property Boundary of Horatio Street, Measuring Existing Traffic & Background Noise Levels

		Background Noise Levels L_{A90} dB		
		Daytime 07:00 - 18:00	**Evening** 18:00 - 22:00	**Nighttime** 22:00 - 07:00
		Measured	Measured	Measured
Friday	24/01/2025	50.3	42.5	44.1
Saturday	25/01/2025	44.5	42.9	49.5
Sunday	26/01/2025	42.8	40.2	47.1
Monday	27/01/2025	46.4	40.9	40.4
Tuesday	28/01/2025	53.1	42.7	44.5
Wednesday	29/01/2025	51.6	43.5	42.9
Thursday	30/01/2025	51.2	44.0	43.9
Friday	31/01/2025	53.2		
Rating Background Level (RBL)		**51**	**43**	**44**

		Existing Noise Levels L_{Aeq} dB		
		Daytime 07:00 - 18:00	**Evening** 18:00 - 22:00	**Nighttime** 22:00 - 07:00
		Measured	Measured	Measured
Friday	24/01/2025		56.9	53.7
Saturday	25/01/2025	58.6	56.3	55.7
Sunday	26/01/2025	57.0	59.1	58.0
Monday	27/01/2025	58.9	56.4	57.1
Tuesday	28/01/2025	61.6	57.5	56.6
Wednesday	29/01/2025	61.0	56.8	56.4
Thursday	30/01/2025	61.0	59.3	59.4
Friday	31/01/2025			
Average Noise Level (L_{Aeq})		**60**	**58**	**57**

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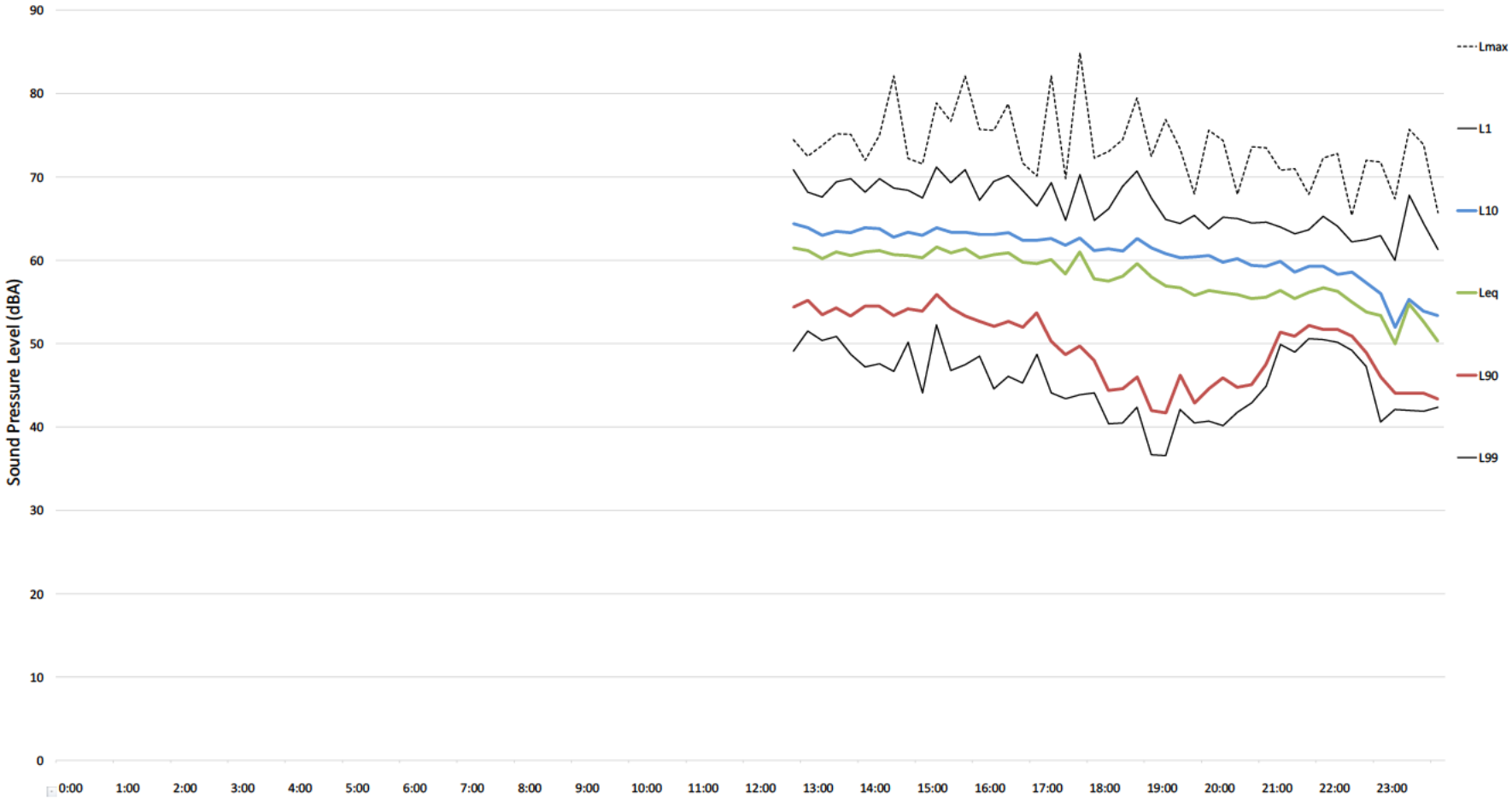
	Daytime 07:00 - 18:00 Measured	Evening 18:00 - 22:00 Measured	Nighttime 22:00 - 07:00 Measured
L_{Aeq} dB		56.9	53.7
L_{A90} dB		42.5	44.1

24/01/2025 Friday

Existing Ambient Noise Levels (dBA)



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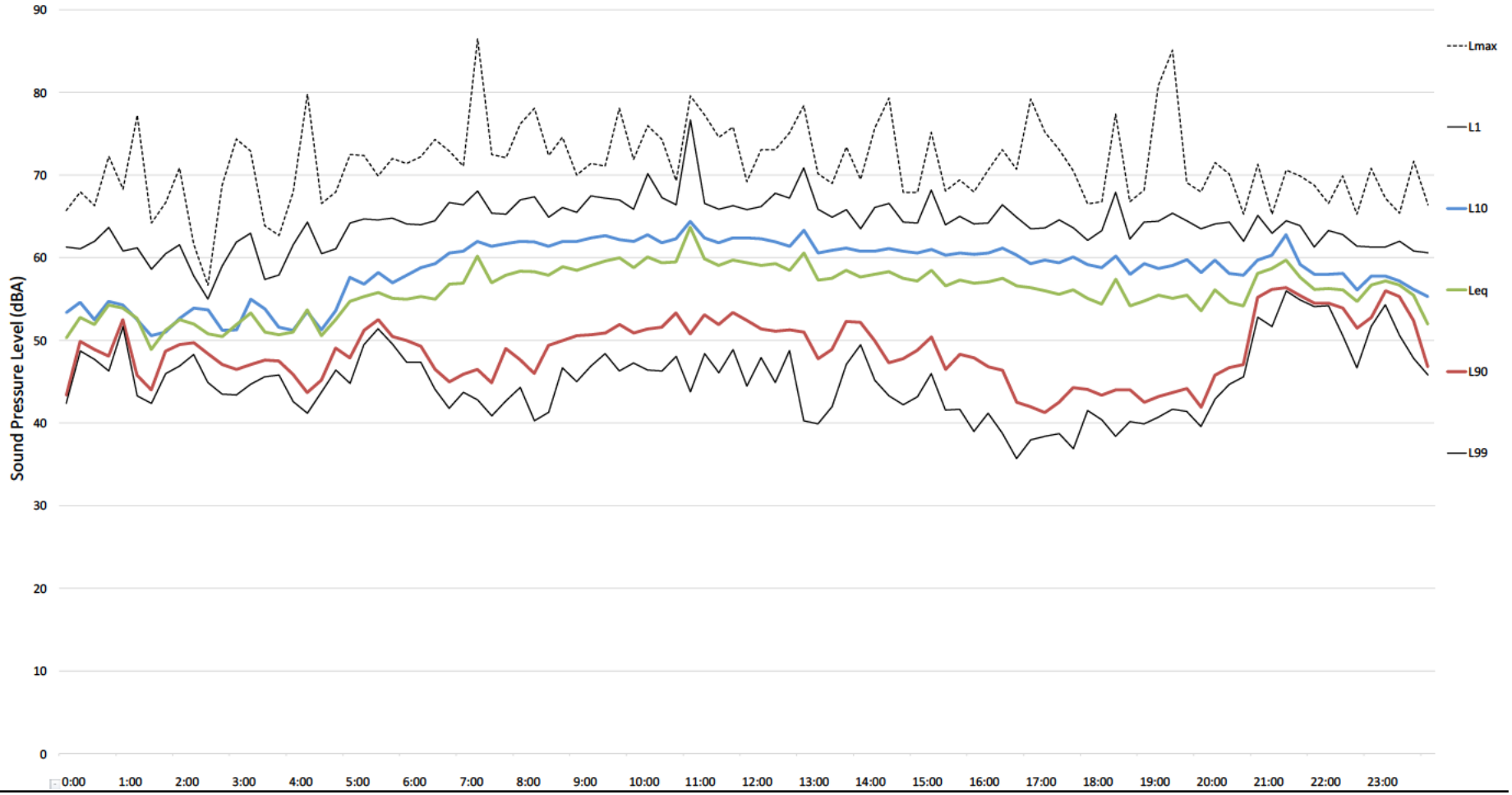
L_{Aeq} dB		56.9	53.7
L_{A90} dB		42.5	44.1

25/01/2025 Saturday

Existing Ambient Noise Levels (dBA)



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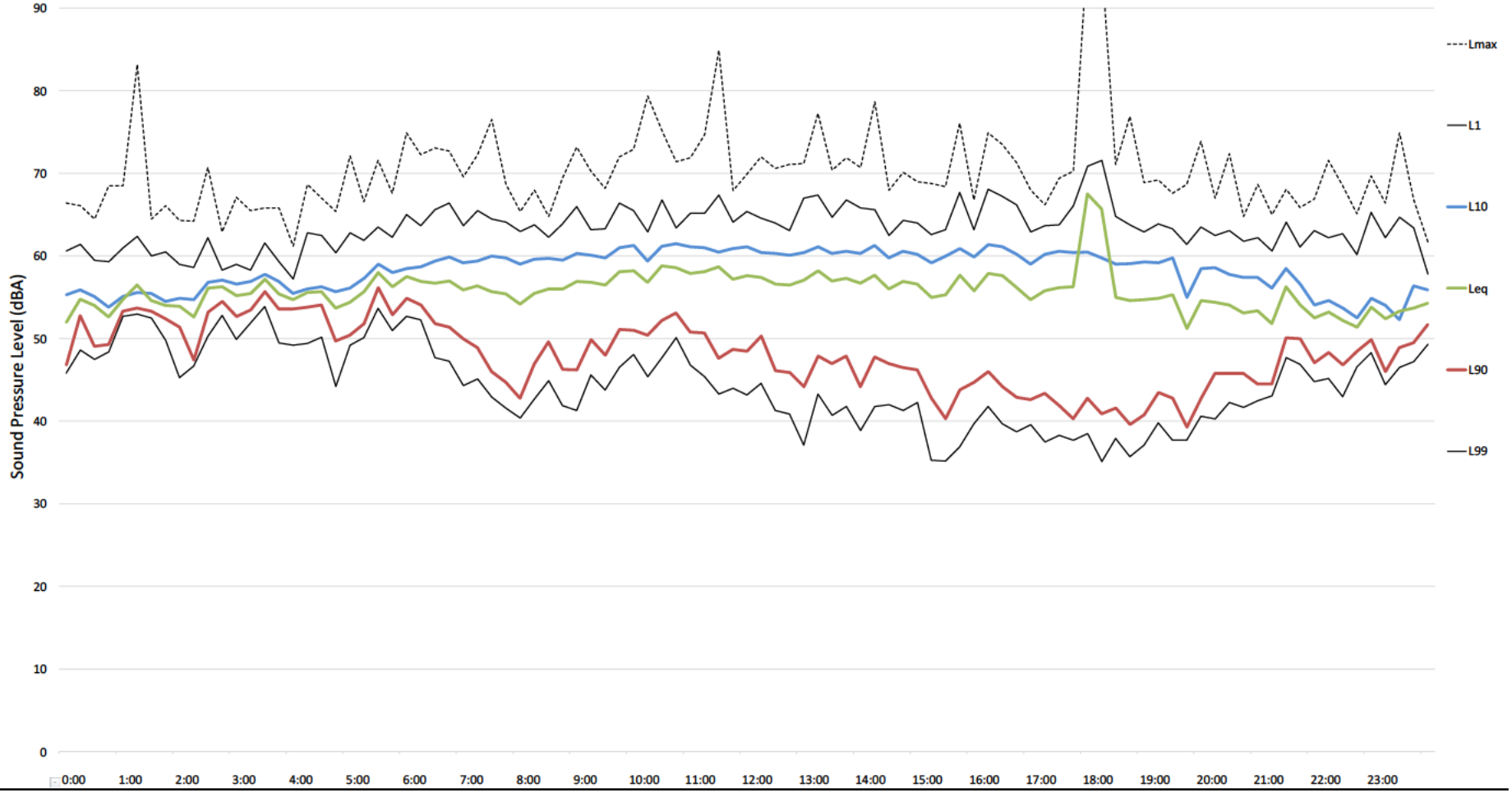
L_{Aeq} dB		56.9	53.7
L_{A90} dB		42.5	44.1

26/01/2025 Sunday

Existing Ambient Noise Levels (dBA)



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L_{Aeq} dB		56.9	53.7
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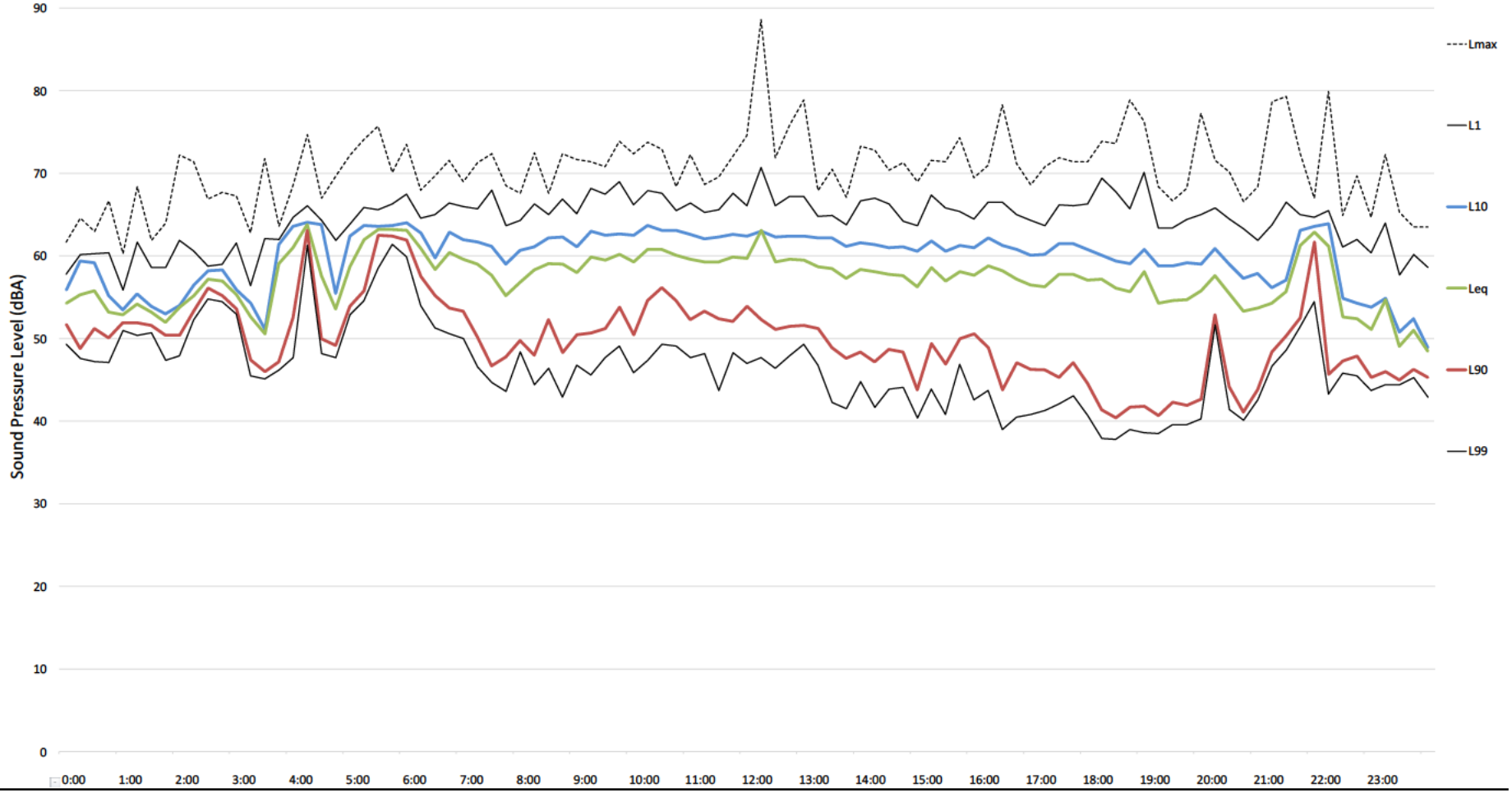
27/01/2025 Monday

Existing Ambient Noise Levels (dBA)



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L_{Aeq} dB		56.9	53.7
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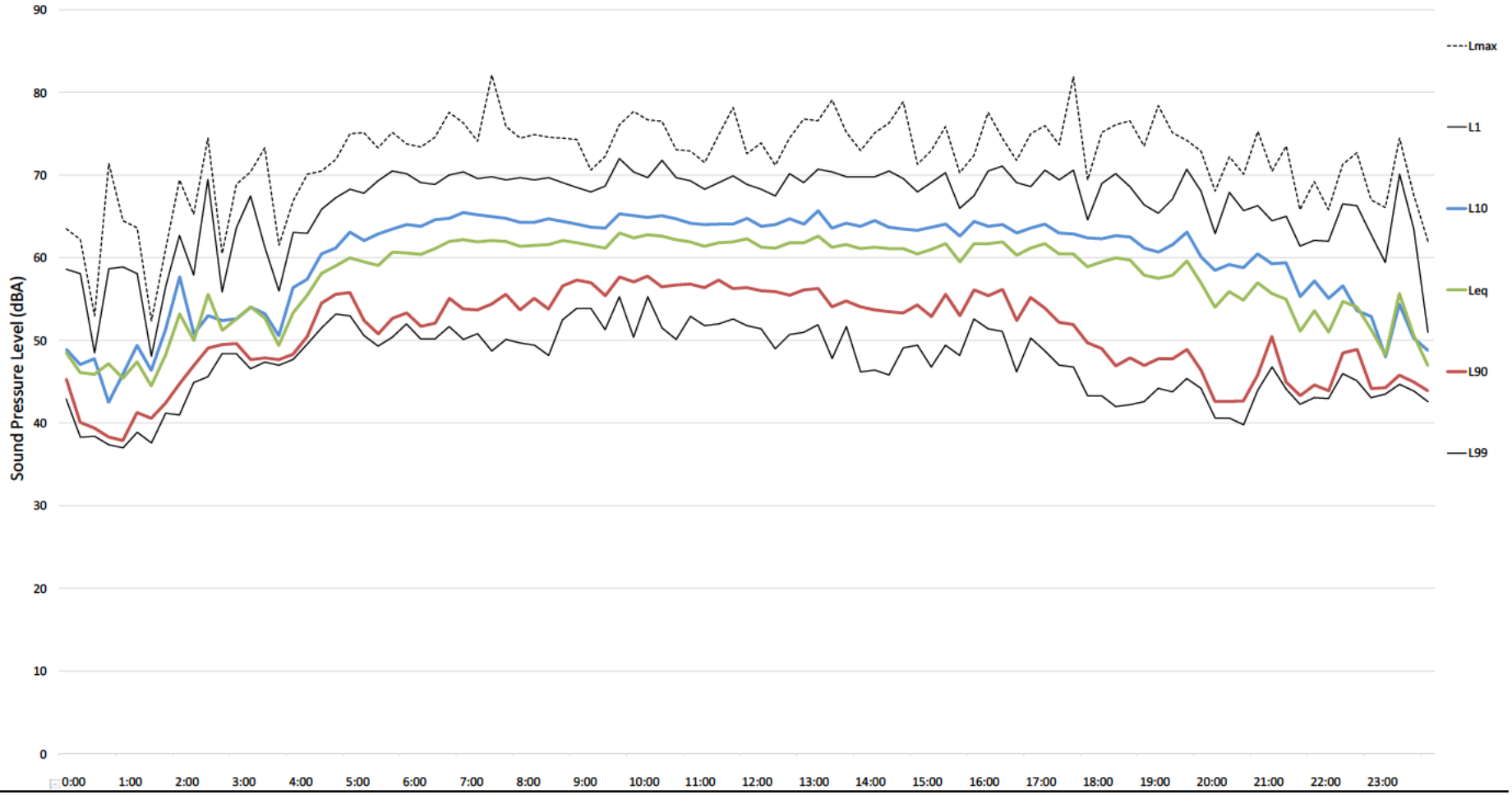
28/01/2025 Tuesday

Existing Ambient Noise Levels (dBA)



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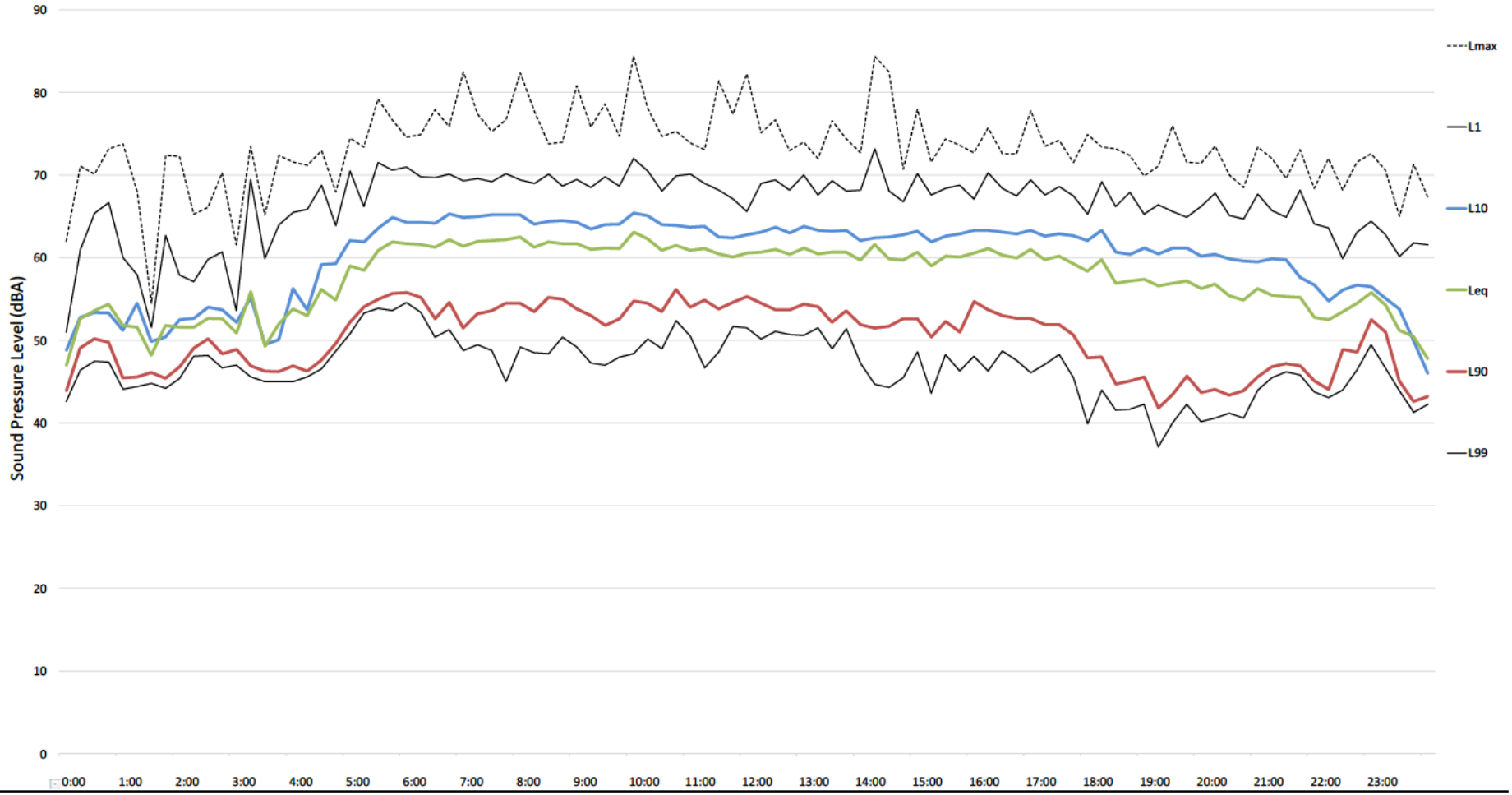
29/01/2025 Wednesday

Existing Ambient Noise Levels (dBA)



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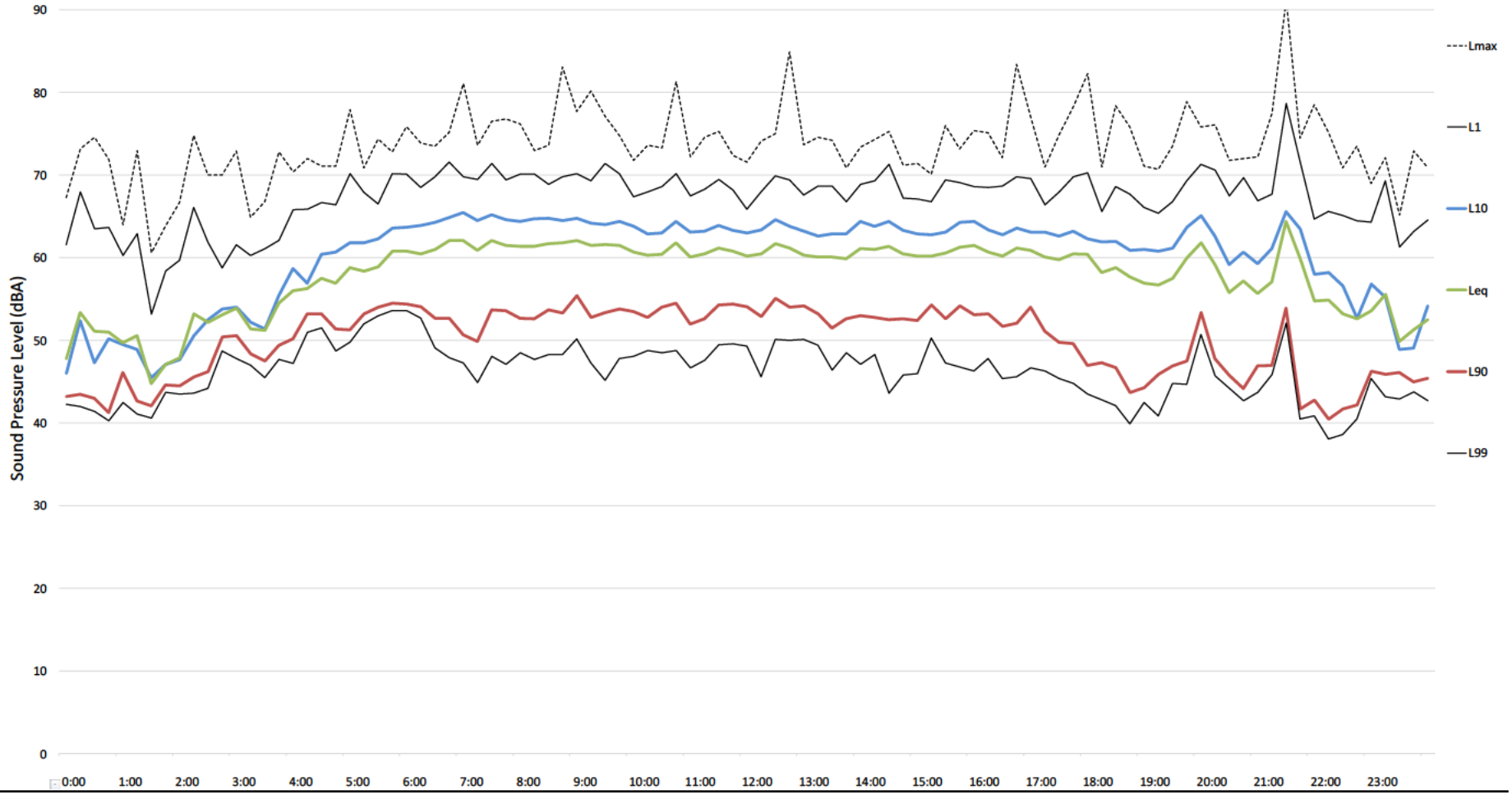
30/01/2025 Thursday

Existing Ambient Noise Levels (dBA)



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PKA Acoustic Consulting

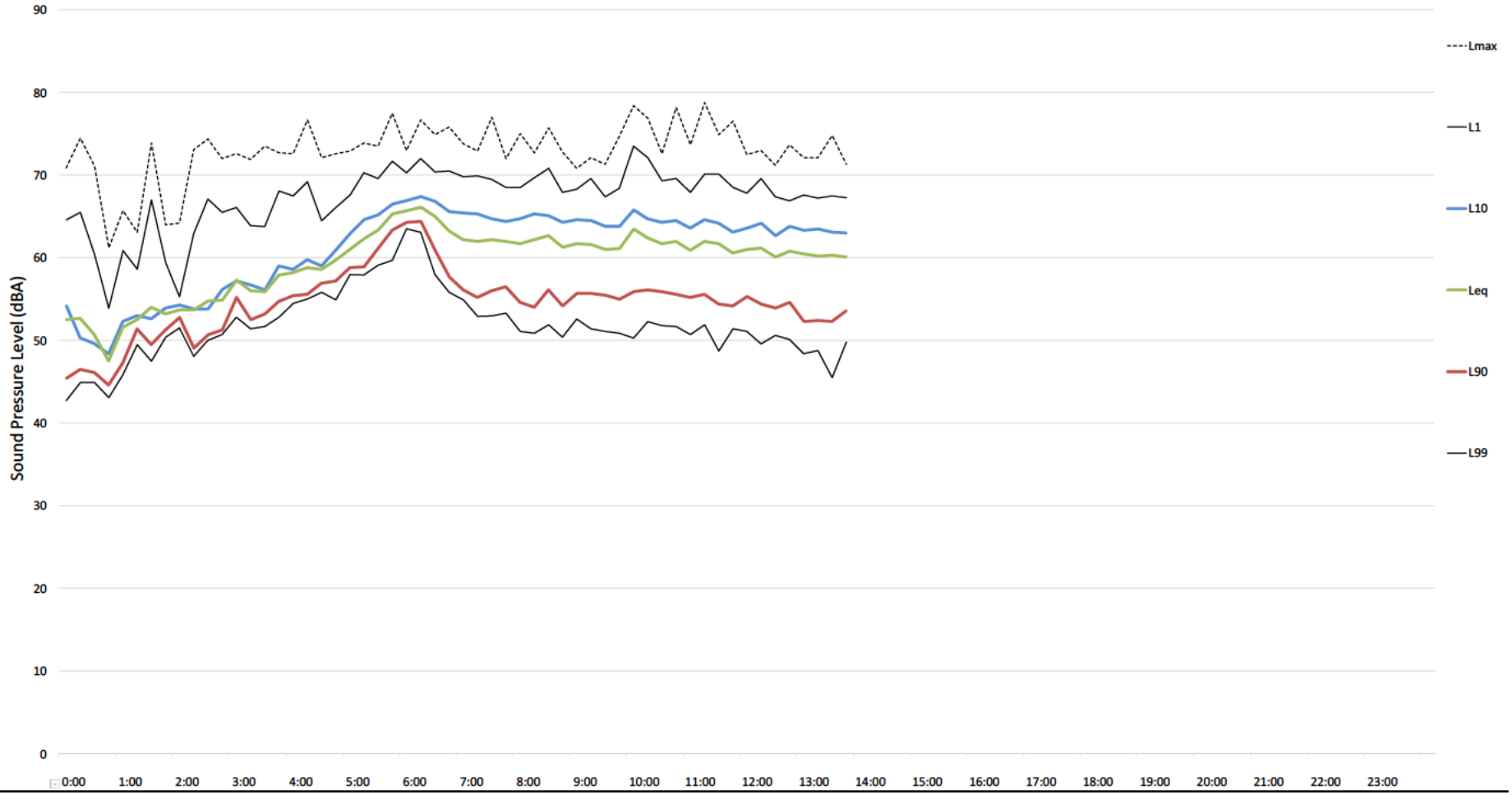
Project Address: 63 Horatio Street, Mudgee

Logger Location: At Property Boundary of Horatio Street, Measuring Existing Traffic & Background Noise Levels

	Daytime 07:00 - 18:00 Measured	Evening 18:00 - 22:00 Measured	Nighttime 22:00 - 07:00 Measured
L_{Aeq} dB		56.9	53.7
L_{A90} dB		42.5	44.1

31/01/2025 Friday

Existing Ambient Noise Levels (dBA)



Noise Monitor 2

12941 Hungry Jack's, Horatio Street (63), Mudgee

PKA Acoustic Consulting

Project Address: 63 Horatio Street, Mudgee

Logger Location: At Rear Property Boundary (Away from Horatio Street), Measuring Existing Background Noise Levels

		Background Noise Levels L_{A90} dB		
		Daytime 07:00 - 18:00 Measured	**Evening** 18:00 - 22:00 Measured	**Nighttime** 22:00 - 07:00 Measured
Friday	24/01/2025	48.5	43.4	40.1
Saturday	25/01/2025	44.0	43.9	43.8
Sunday	26/01/2025	41.3	41.3	42.8
Monday	27/01/2025	44.3	40.6	43.4
Tuesday	28/01/2025	50.3	43.0	43.6
Wednesday	29/01/2025	49.2	42.6	43.0
Thursday	30/01/2025	49.9	45.1	47.7
Friday	31/01/2025	50.7		
Rating Background Level (RBL)		**49**	**43**	**43**

		Existing Noise Levels L_{Aeq} dB		
		Daytime 07:00 - 18:00 Measured	**Evening** 18:00 - 22:00 Measured	**Nighttime** 22:00 - 07:00 Measured
Friday	24/01/2025		54.3	49.6
Saturday	25/01/2025	55.7	52.5	50.2
Sunday	26/01/2025	54.5	55.1	53.2
Monday	27/01/2025	55.9	55.2	53.6
Tuesday	28/01/2025	58.1	54.5	53.7
Wednesday	29/01/2025	57.0	53.6	55.1
Thursday	30/01/2025	57.1	56.2	57.3
Friday	31/01/2025			
Average Noise Level (L_{Aeq})		**57**	**55**	**54**

12941 Hungry Jack's, Horatio Street (63), Mudgee

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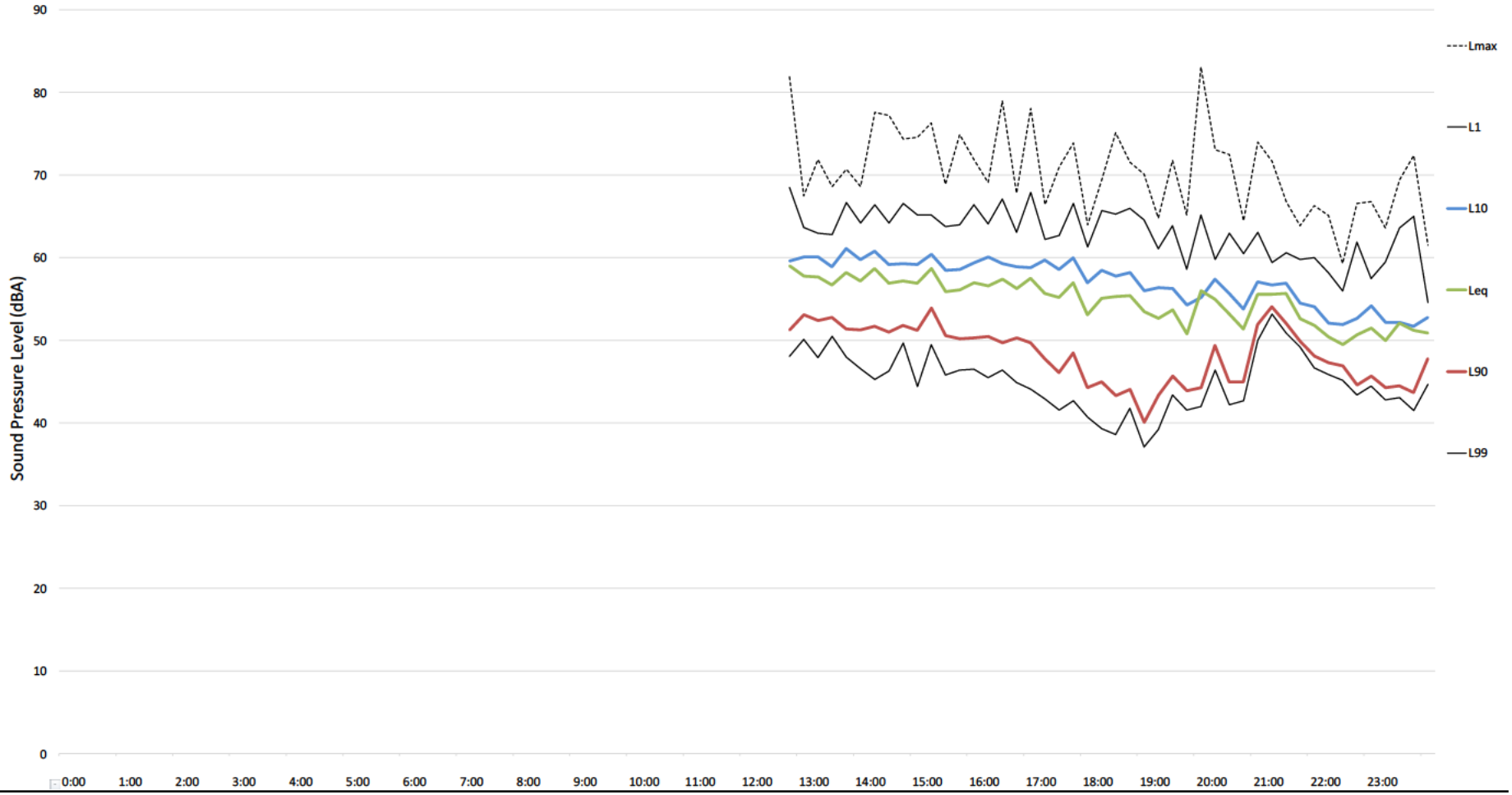
	Daytime 07:00 - 18:00 Measured	Evening 18:00 - 22:00 Measured	Nighttime 22:00 - 07:00 Measured
L_{Aeq} dB	55.7	52.5	50.2
L_{A90} dB	44.0	43.9	43.8

24/01/2025 Friday

Existing Ambient Noise Levels (dBA)



12941 Hungry Jack's, Horatio Street (63), Mudgee

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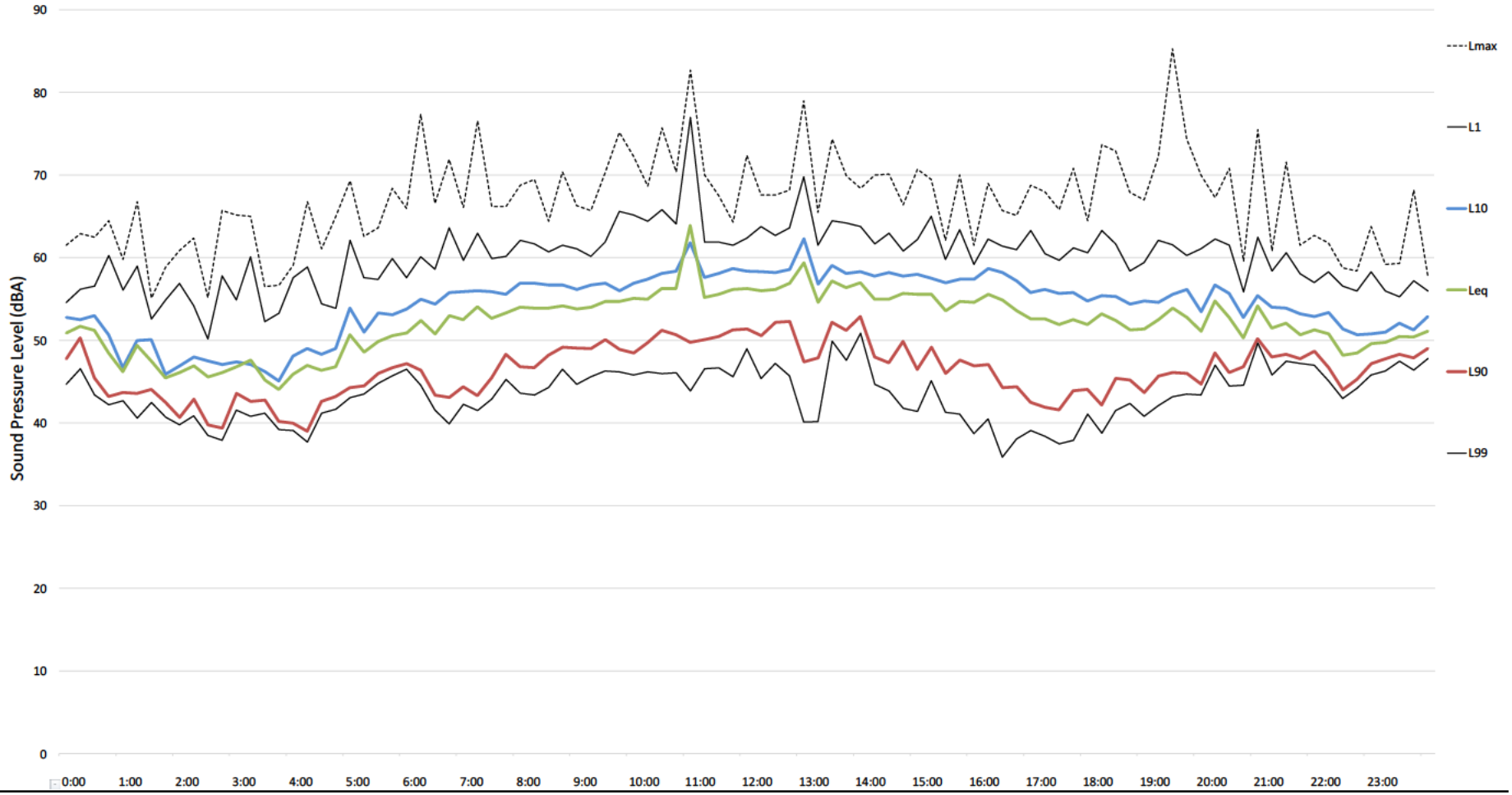
Project Address: 63 Horatio Street, Mudgee

Logger Location: At Rear Property Boundary (Away from Horatio Street), Measuring Existing Background Noise Levels

	Daytime 07:00 - 18:00 Measured	Evening 18:00 - 22:00 Measured	Nighttime 22:00 - 07:00 Measured
L_{Aeq} dB	55.7	52.5	50.2
L_{A90} dB	44.0	43.9	43.8

25/01/2025 Saturday

Existing Ambient Noise Levels (dBA)



12941 Hungry Jack's, Horatio Street (63), Mudgee

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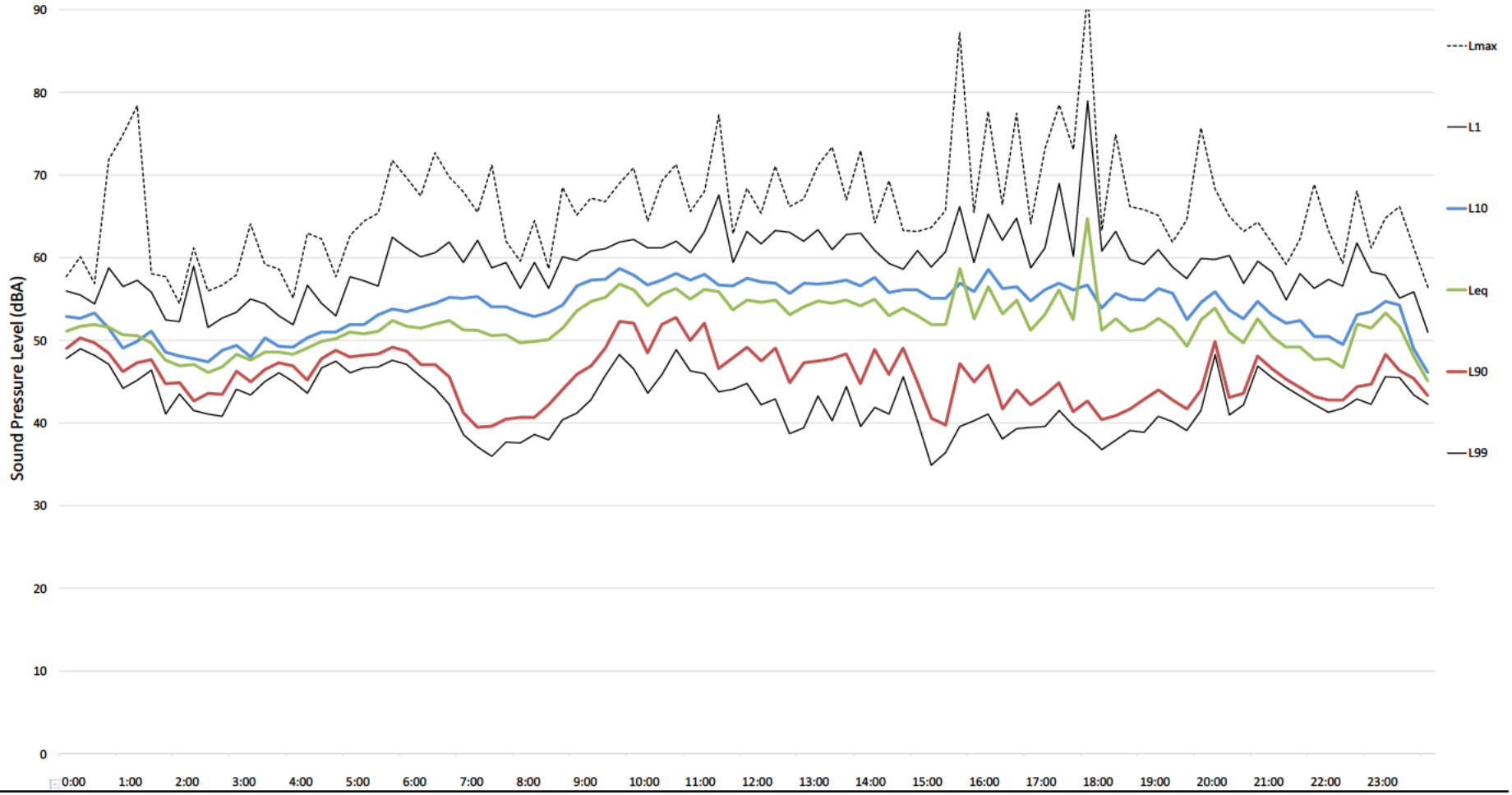
Project Address: 63 Horatio Street, Mudgee

Logger Location: At Rear Property Boundary (Away from Horatio Street), Measuring Existing Background Noise Levels

	Daytime 07:00 - 18:00 Measured	Evening 18:00 - 22:00 Measured	Nighttime 22:00 - 07:00 Measured
L_{Aeq} dB	55.7	52.5	50.2
L_{A90} dB	44.0	43.9	43.8

26/01/2025 Sunday

Existing Ambient Noise Levels (dBA)



12941 Hungry Jack's, Horatio Street (63), Mudgee

PKA Acoustic Consulting

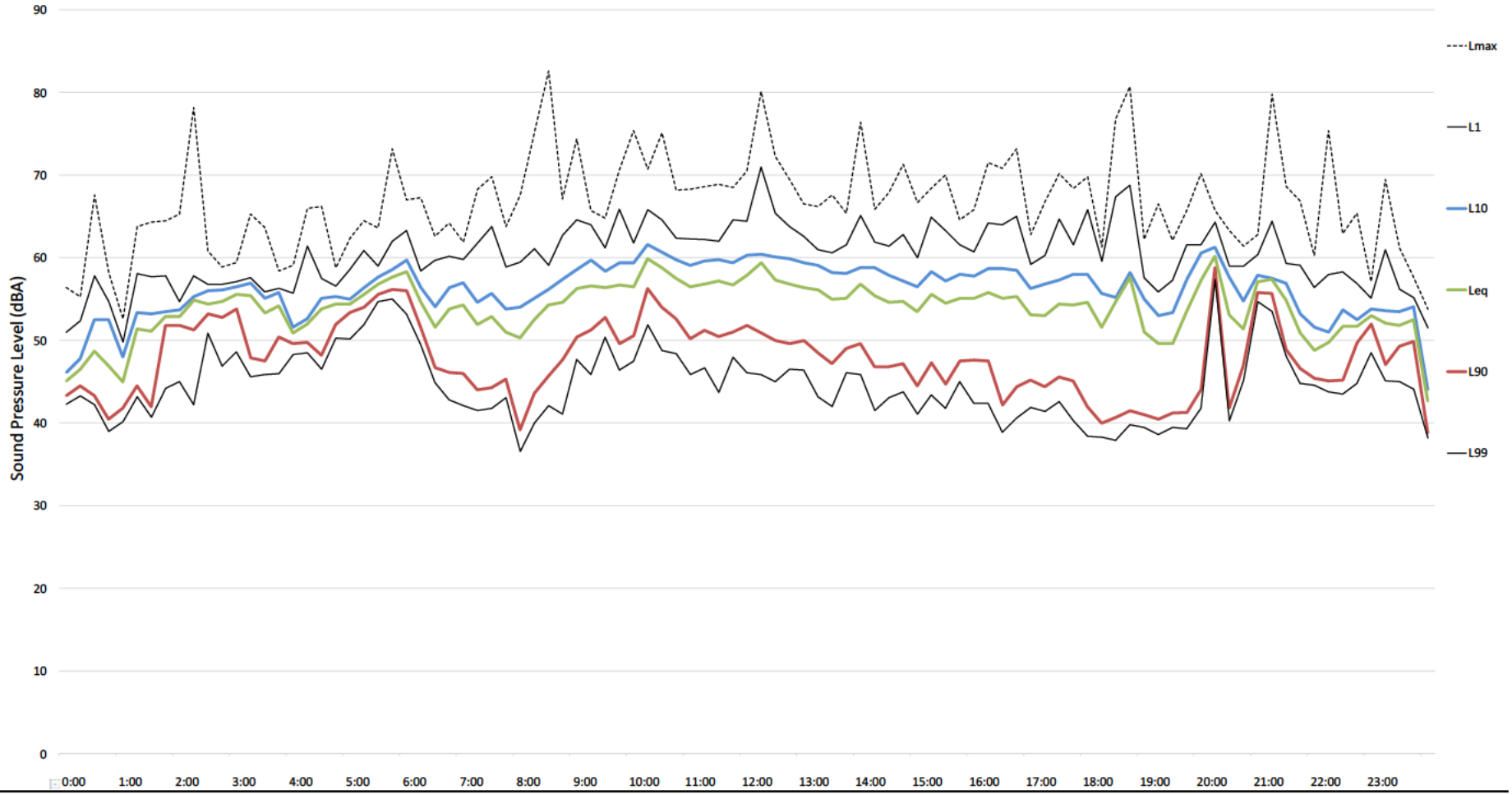
Project Address: 63 Horatio Street, Mudgee

Logger Location: At Rear Property Boundary (Away from Horatio Street), Measuring Existing Background Noise Levels

	Daytime 07:00 - 18:00 Measured	Evening 18:00 - 22:00 Measured	Nighttime 22:00 - 07:00 Measured
L_{Aeq} dB	55.7	52.5	50.2
L_{A90} dB	44.0	43.9	43.8

27/01/2025 Monday

Existing Ambient Noise Levels (dBA)



12941 Hungry Jack's, Horatio Street (63), Mudgee

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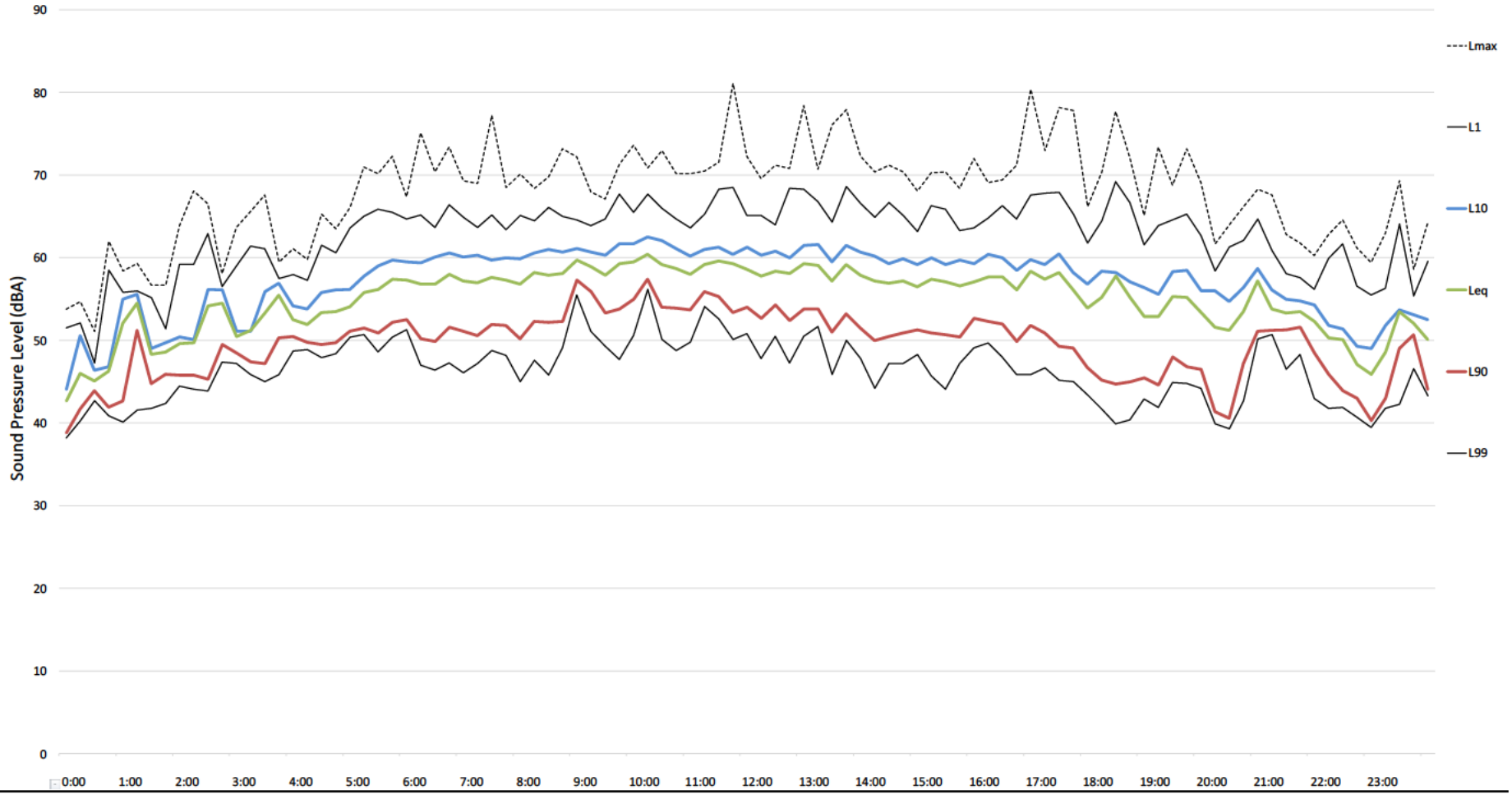
Project Address: 63 Horatio Street, Mudgee

Logger Location: At Rear Property Boundary (Away from Horatio Street), Measuring Existing Background Noise Levels

	Daytime 07:00 - 18:00 Measured	Evening 18:00 - 22:00 Measured	Nighttime 22:00 - 07:00 Measured
L_{Aeq} dB	55.7	52.5	50.2
L_{A90} dB	44.0	43.9	43.8

28/01/2025 Tuesday

Existing Ambient Noise Levels (dBA)



12941 Hungry Jack's, Horatio Street (63), Mudgee

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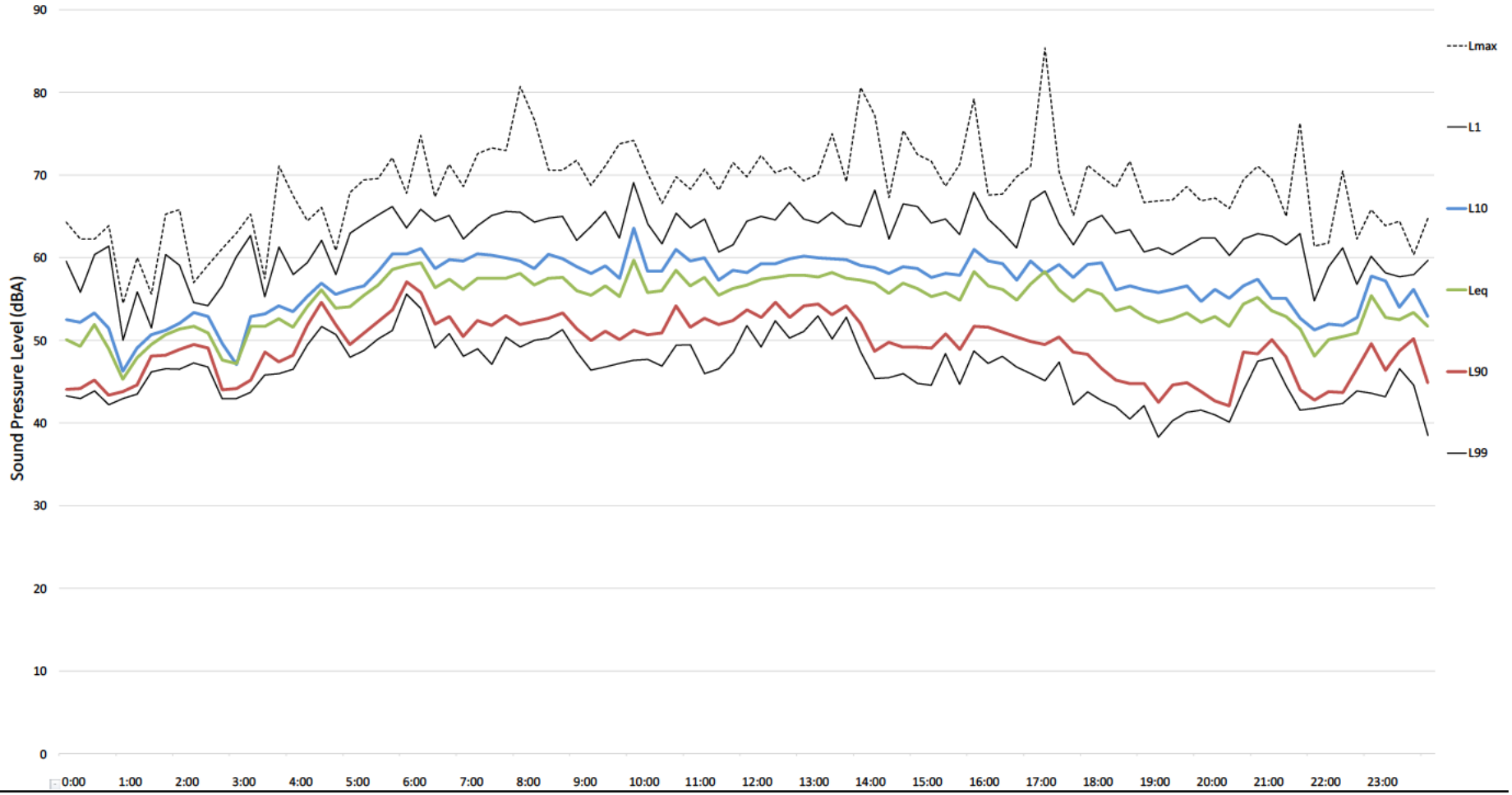
Logger Location: At Rear Property Boundary (Away from Horatio Street), Measuring Existing Background Noise Levels

	Daytime 07:00 - 18:00 Measured	Evening 18:00 - 22:00 Measured	Nighttime 22:00 - 07:00 Measured
L_{Aeq} dB	55.7	52.5	50.2
L_{A90} dB	44.0	43.9	43.8

29/01/2025 Wednesday

Existing Ambient Noise Levels (dBA)



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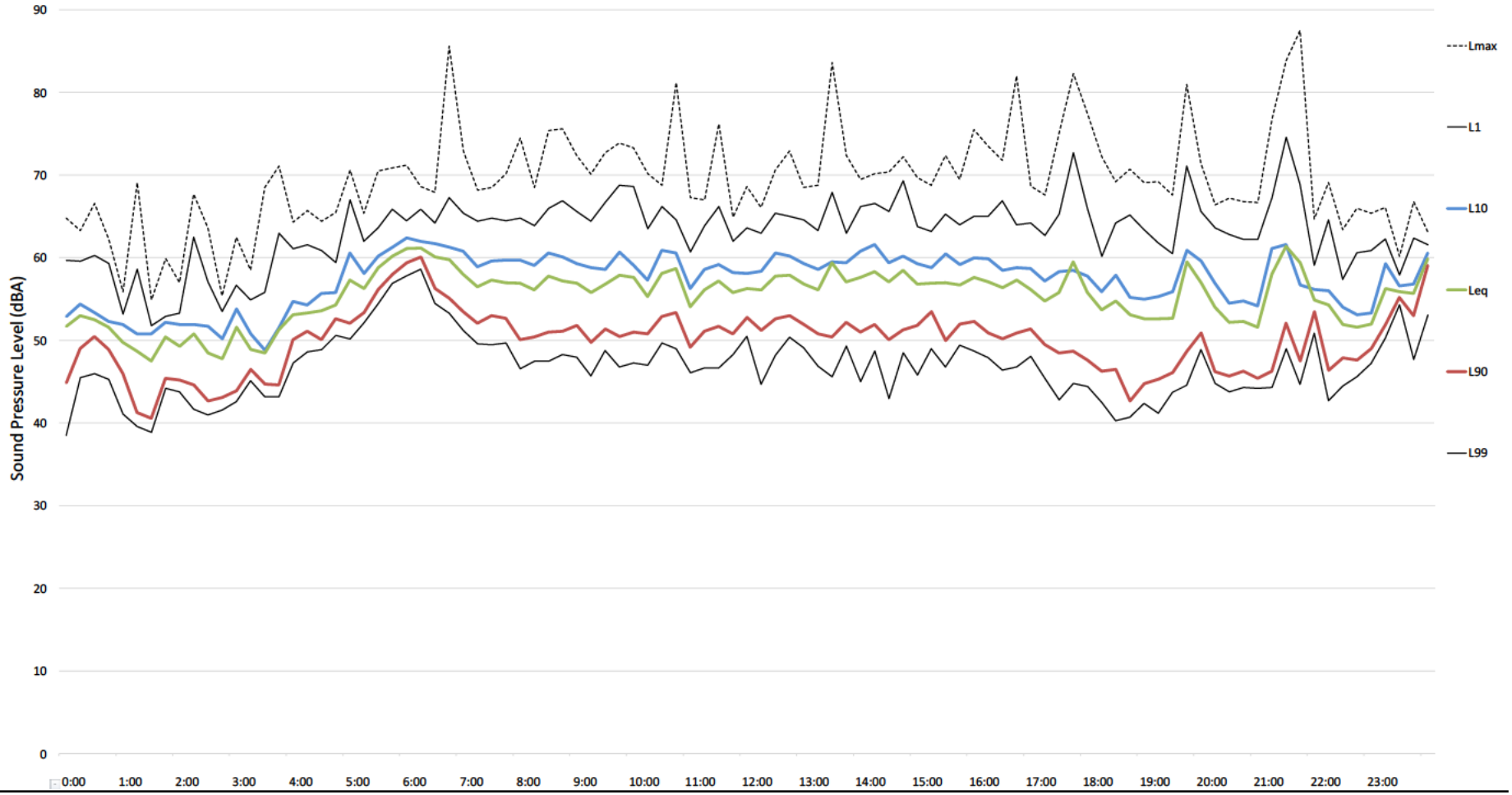
	Daytime 07:00 - 18:00 Measured	Evening 18:00 - 22:00 Measured	Nighttime 22:00 - 07:00 Measured
L_{Aeq} dB	55.7	52.5	50.2
L_{A90} dB	44.0	43.9	43.8

30/01/2025 Thursday

Existing Ambient Noise Levels (dBA)



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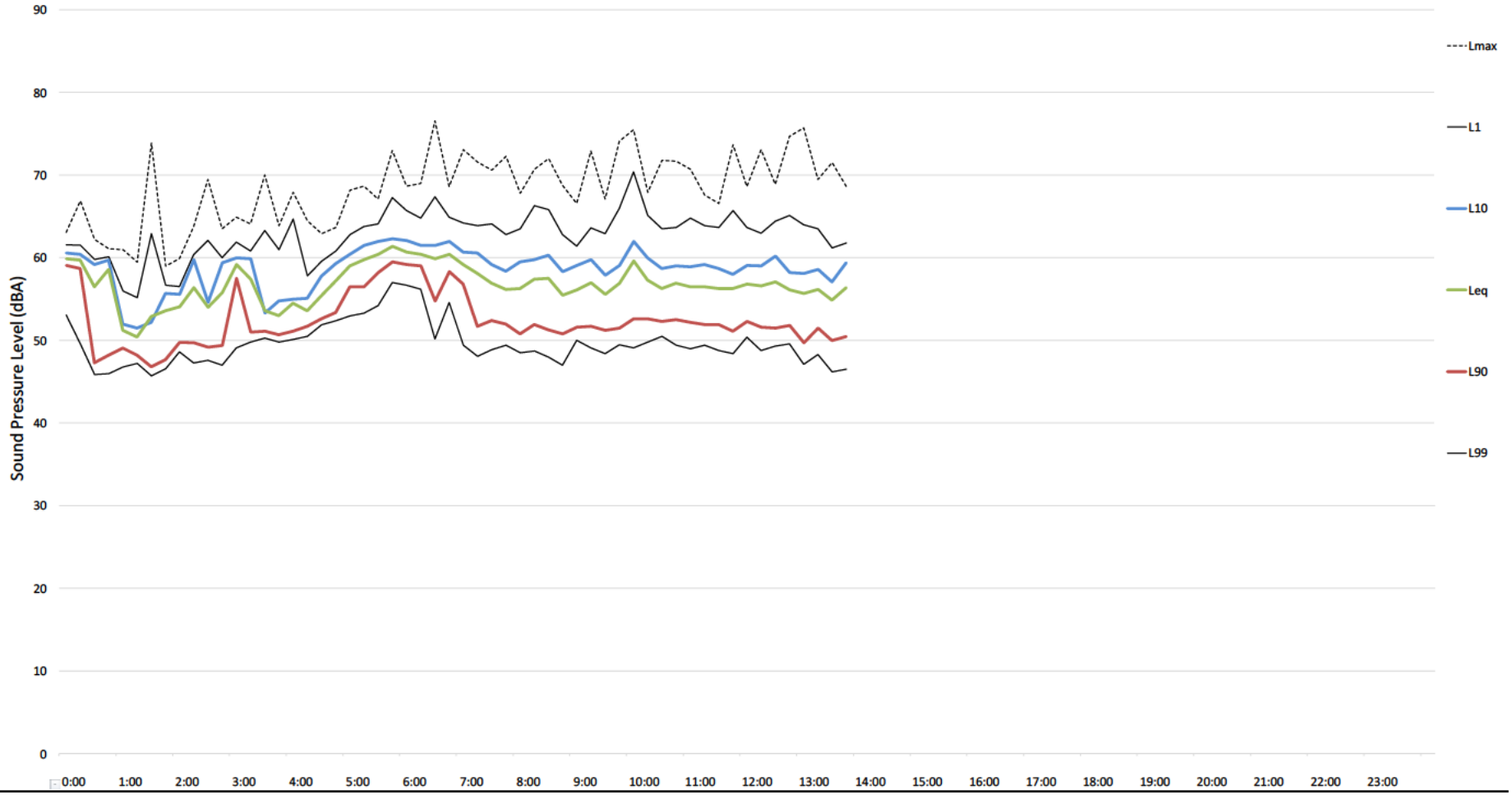
	Daytime 07:00 - 18:00 Measured	Evening 18:00 - 22:00 Measured	Nighttime 22:00 - 07:00 Measured
L_{Aeq} dB	55.7	52.5	50.2
L_{A90} dB	44.0	43.9	43.8

31/01/2025 Friday

Existing Ambient Noise Levels (dBA)



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