

**A57 Link Roads
TR010034
6.5 Environmental Statement
Appendix 11.1 Baseline Noise Monitoring**

APFP Regulation 5(2)(a)

Planning Act 2008 Infrastructure Planning (Applications: Prescribed
Forms and Procedure) Regulations 2009

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11. Baseline Noise Monitoring

11.1 Introduction

- 11.1.1 This document forms an appendix to the Noise and Vibration chapter (Chapter 11) of the Environmental Statement (ES) (application document TR010034/APP/6.3). It presents detailed results from the baseline noise monitoring undertaken for the Scheme by the Applicant during a two week period from 26 June 2018 to 10 July 2018. The baseline noise monitoring consisted of long-term unattended measurements at nine locations in proximity to the Scheme. A map showing the locations of the baseline noise monitoring positions is provided in Figure 11.1 (TR010034/APP/6.4).
- 11.1.2 The measured noise levels at the long-term unattended noise monitoring sites are provided in Section 11.2, showing how the noise levels fluctuated throughout the monitoring period. A summary of the measured noise levels is provided for each site, indicating how the noise levels changed between daytime and night-time periods, and weekdays and weekends.
- 11.1.3 A weather station was installed alongside the long-term unattended noise monitoring equipment to document the weather conditions throughout the measurement period. The weather conditions were suitable for noise surveys throughout the measurement period at all monitoring locations. The wind speeds did not exceed 5 m/s and the predominant wind directions were east and south east during the first week and north and north east in the second week of the baseline noise monitoring. The air temperature ranged 9 to 28°C during the monitoring period and there were no periods of rainfall.
- 11.1.4 For details regarding the survey methodology, please refer to the Noise and Vibration chapter (Chapter 11) of the Environmental Statement (TR010034/APP/6.3). Information on the instrumentation used for the baseline noise survey is shown in Table 11.1.1.

Table 11.1.1: Instrumentation Details

Survey location	Equipment	Type	Serial number
NML1, NML7	Sound level meter	Rion NL-52	00620864
NML2	Sound level meter	Rion NL-52	00732075
NML3, NML4	Sound level meter	01dB Fusion	11037
NML5, NML9	Sound level meter	Rion NL-52	00231665
NML6, NML8	Sound level meter	Rion NL-52	00610193
All locations	Weather station	Viasala WXt536	P1420147

11.2 Long-term unattended monitoring

Table 11.2.1: Noise Monitoring Location 1: 44 Hyde Road

Site reference	NML1 – 44 Hyde Road	Site details	Free-field, microphone 1.5m above ground
Start date/time	26/06/2018 15:00	End date/time	03/07/2018 10:00
Measurement interval	15 minutes, continuous		
Noise sources/notes	Road noise was occasionally audible over other extraneous noise sources		

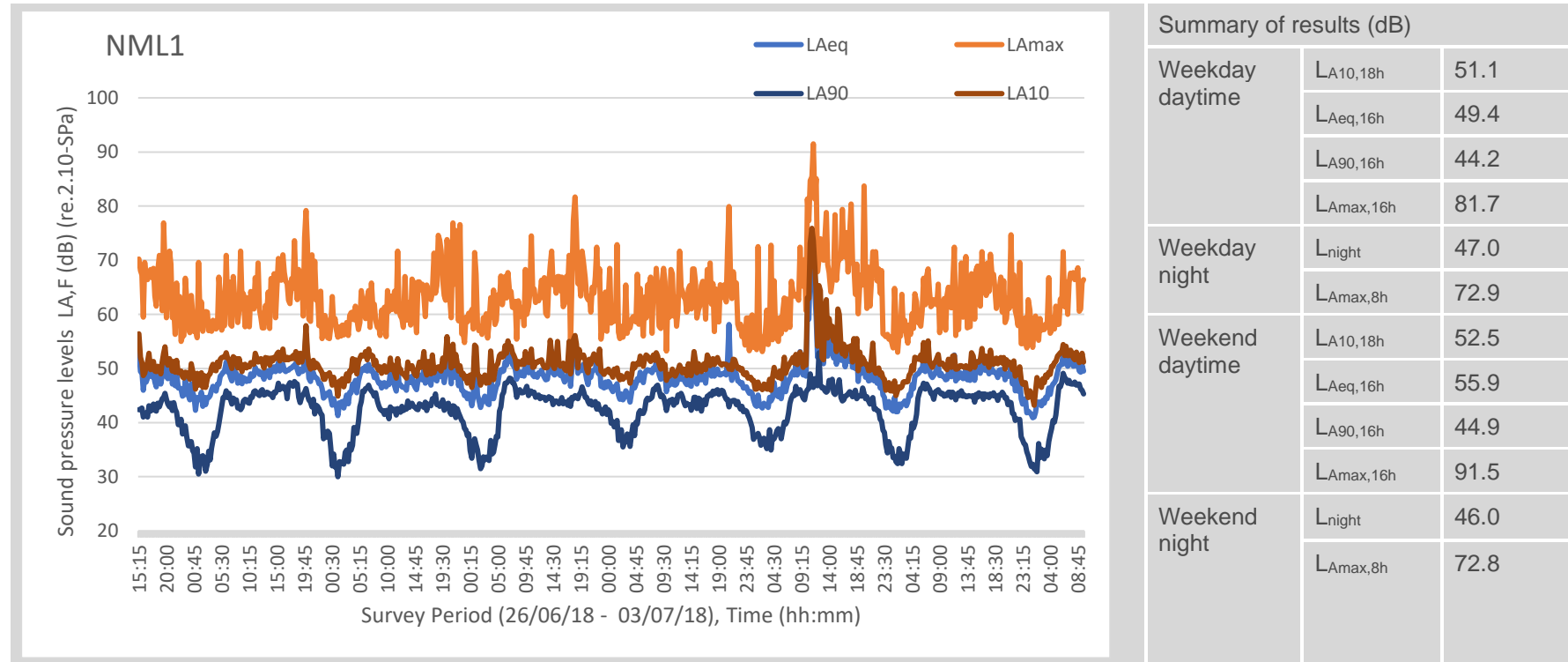


Table 11.2.2: Noise Monitoring Location 2: 24 Four Lanes

Site reference	NML2 - 24 Four Lanes	Site details	Free-field, microphone 1.5m above ground
Start date/time	26/06/2018 15:30	End date/time	03/07/2018 12:00
Measurement interval	15 minutes, continuous		
Noise sources/notes	Road noise was not audible over other extraneous noise sources		

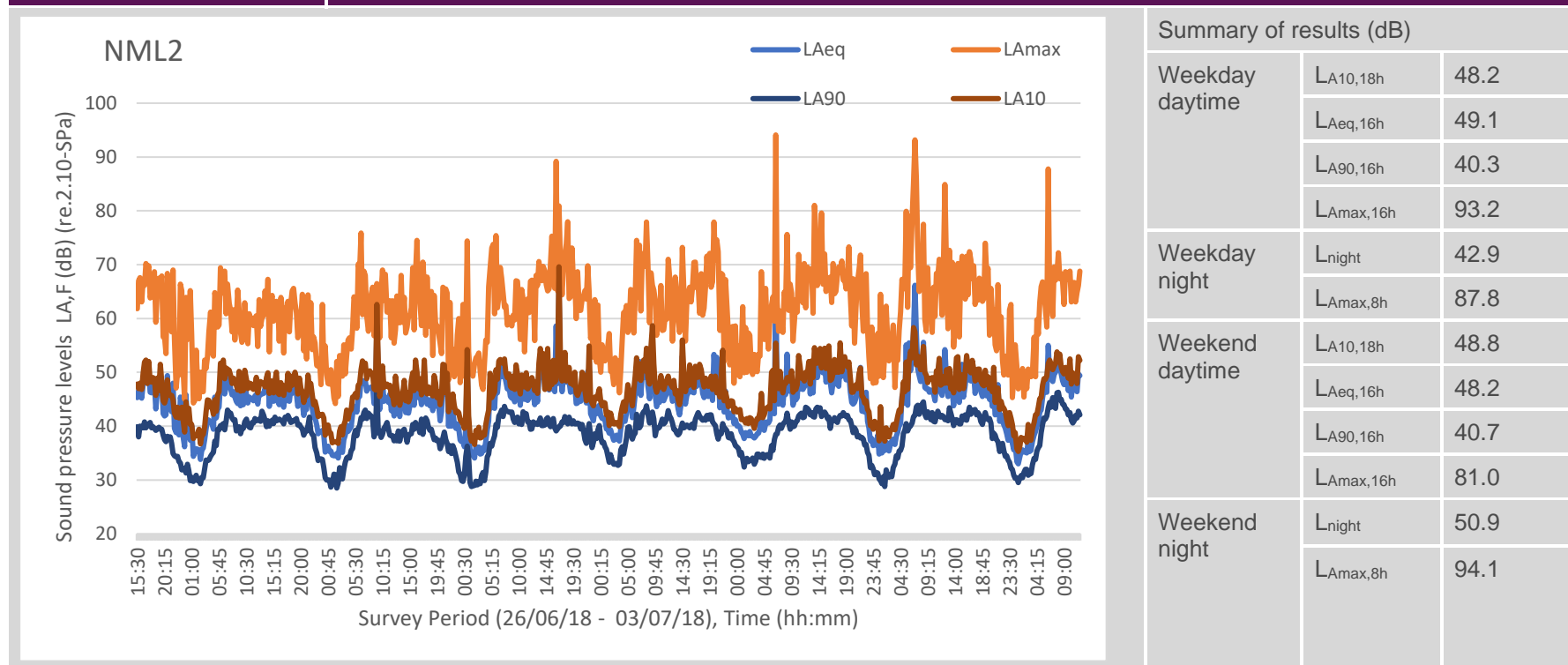


Table 11.2.3: Noise Monitoring Location 3: 14 Edge Lane

Site reference	NML3 – 14 Edge Lane	Site details	Free-field, microphone 1.5m above ground
Start date/time	26/06/2018 12:30	End date/time	03/07/2018 08:45
Measurement interval	15 minutes, continuous		
Noise sources/notes	Road noise was not audible over other extraneous noise sources		

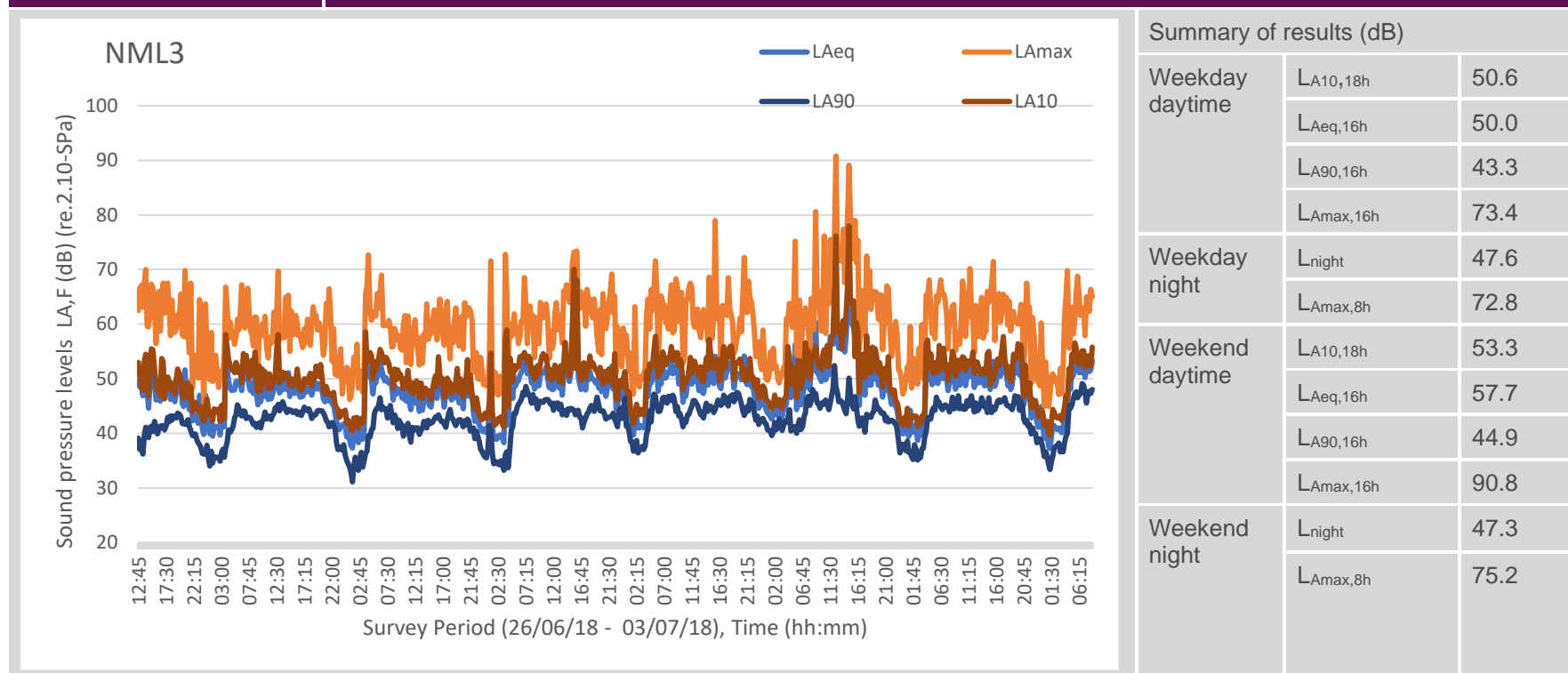


Table 11.2.4: Noise Monitoring Location 4: 41 Lodge Court

Site reference	NML4 – 41 Lodge Court	Site details	Free-field, microphone 1.5m above ground
Start date/time	03/07/2018 10:30	End date/time	10/07/2018 08:45
Measurement interval	15 minutes, continuous		
Noise sources/notes	Road noise was not audible over other extraneous noise sources		

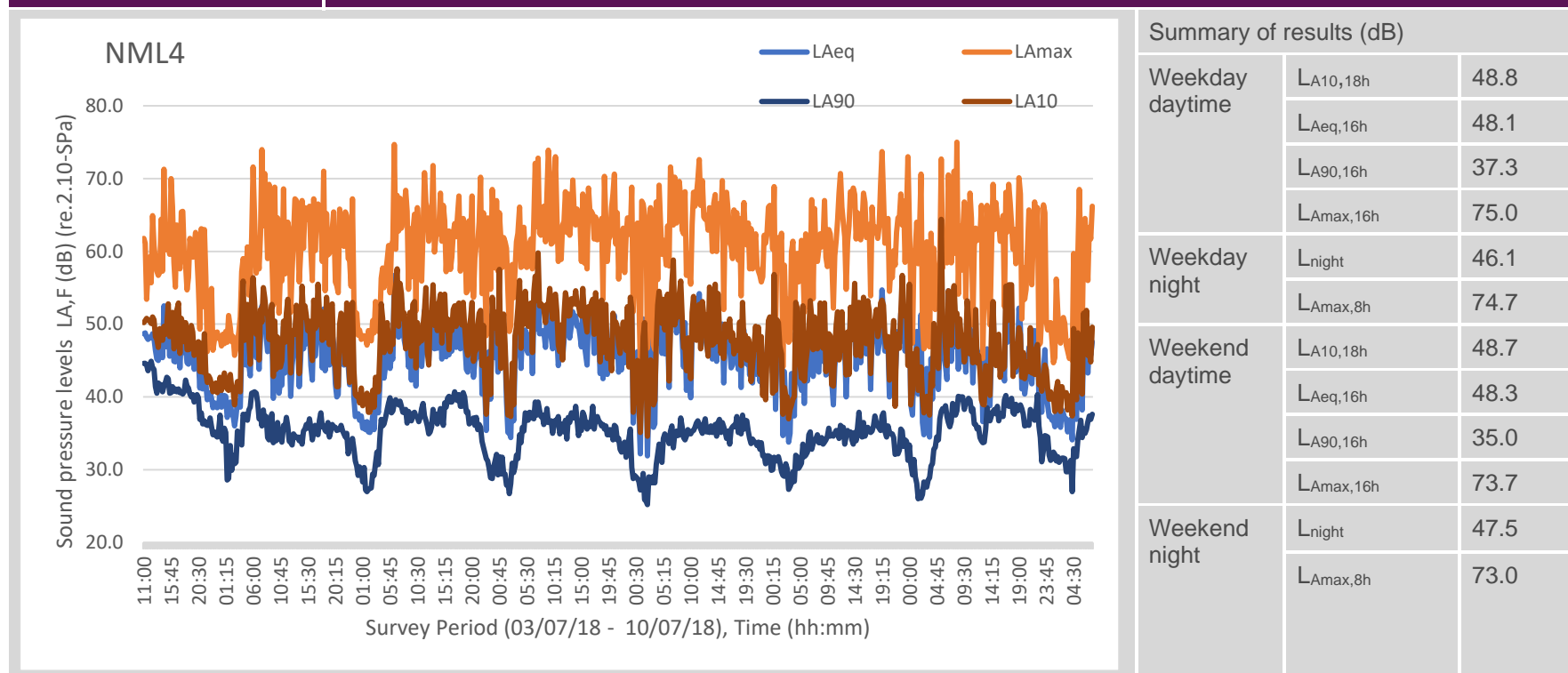


Table 11.2.5: Noise Monitoring Location 5: 103 Mottram Moor

Site reference	NML5 – 103 Mottram Moor	Site details	Free-field, microphone 1.5m above ground
Start date/time	03/07/2018 11:45	End date/time	10/07/2018 09:15
Measurement interval	15 minutes, continuous		
Noise sources/notes	Road noise was dominant over any other noise source		

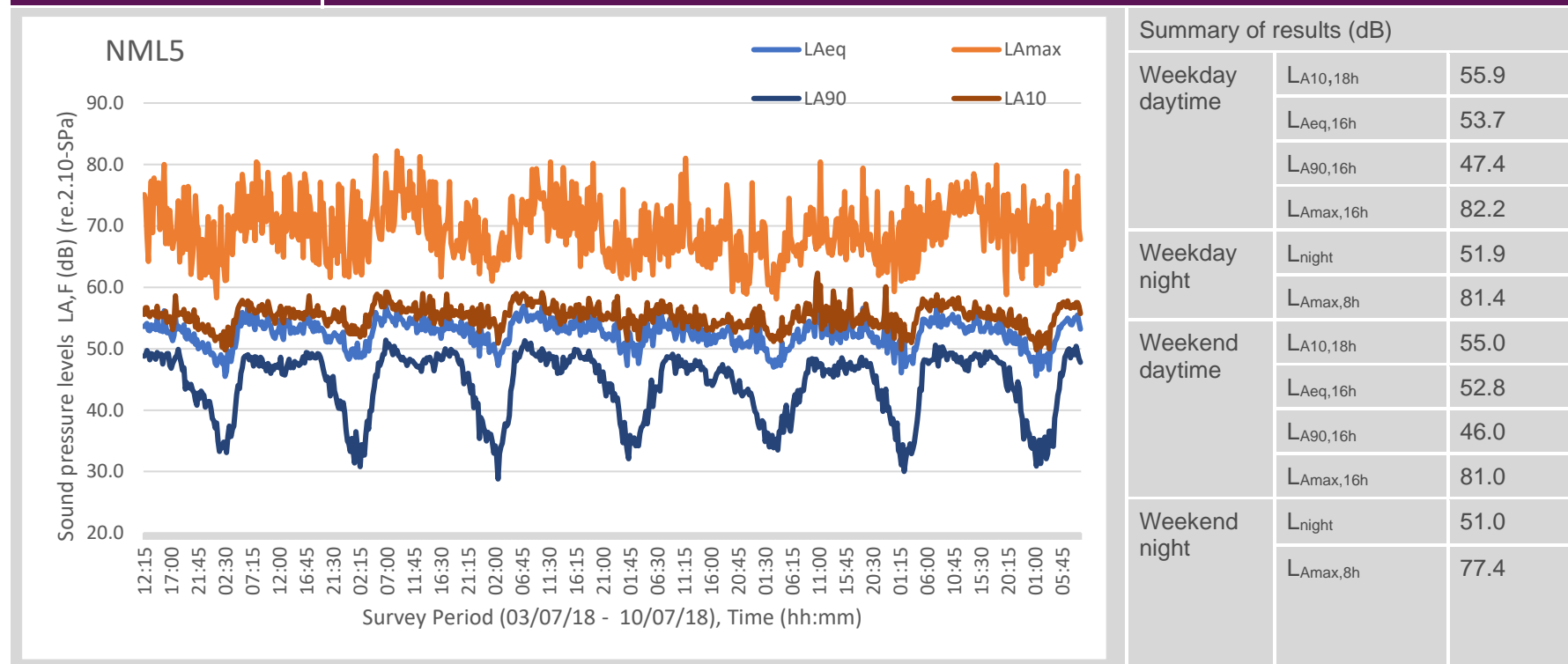


Table 11.2.6: Noise Monitoring Location 6: 8 Carr House Lane

Site reference	NML6 – 8 Carr House Lane	Site details	Free-field, microphone 1.5m above ground
Start date/time	26/06/2018 13:00	End date/time	03/07/2018 11:00
Measurement interval	15 minutes, continuous		
Noise sources/notes	Road noise was not audible over other extraneous noise sources		

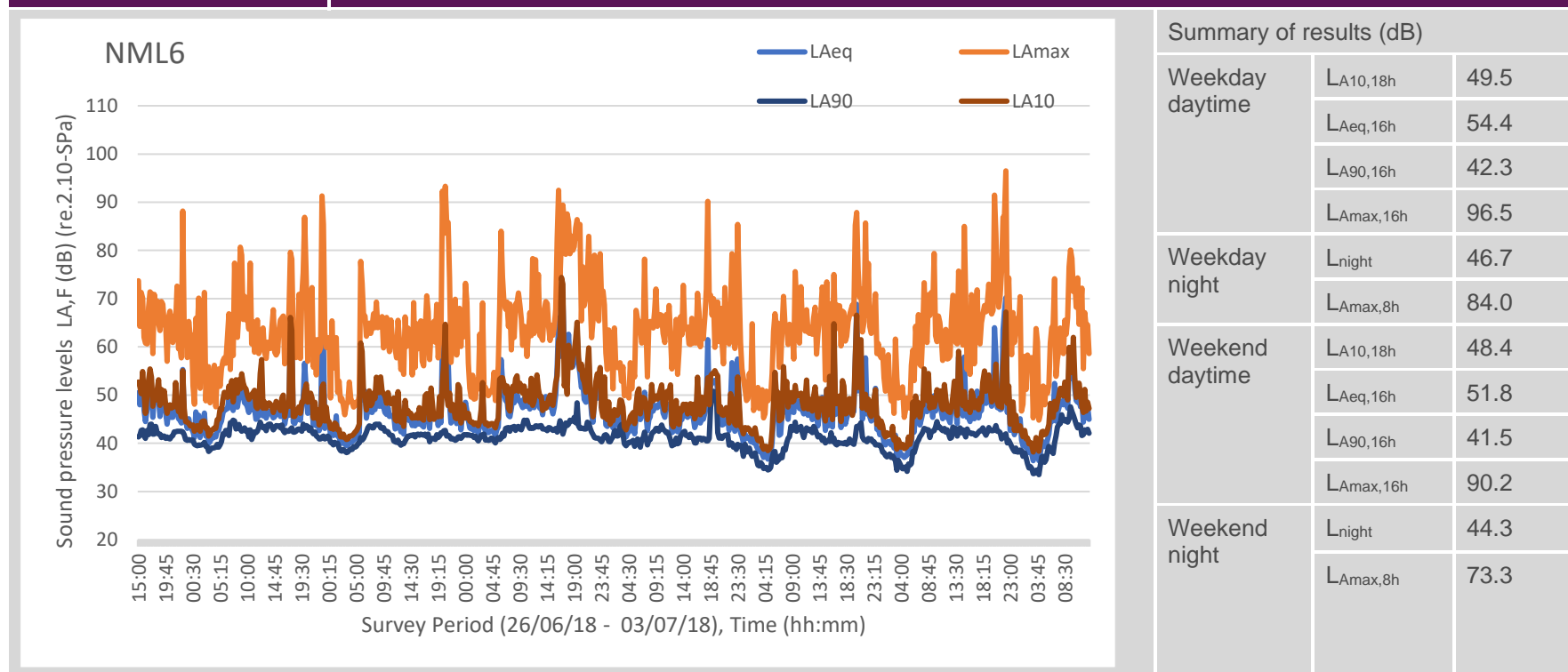


Table 11.2.7: Noise Monitoring Location 7: Tara Brook Farm

Site reference	NML7 – Tara Brook Farm	Site details	Free-field, microphone 1.5m above ground
Start date/time	03/07/2018 12:15	End date/time	10/07/2018 09:30
Measurement interval	15 minutes, continuous		
Noise sources/notes	Road noise was occasionally audible over other extraneous noise sources		

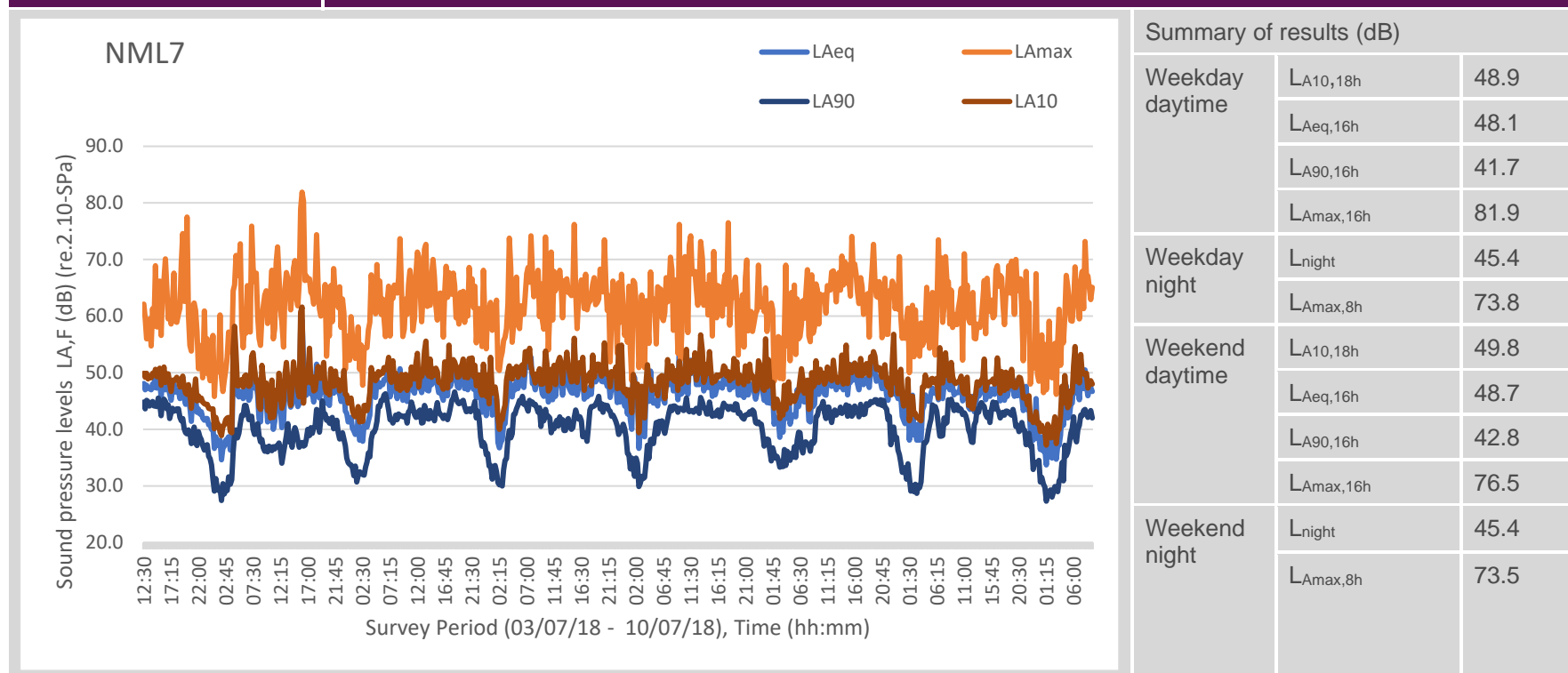


Table 11.2.8: Noise Monitoring Location 8: Carr House Farm

Site reference	NML8 – Carr House Farm	Site details	Free-field, microphone 1.5m above ground
Start date/time	03/07/2018 12:00	End date/time	10/07/2018 09:15
Measurement interval	15 minutes, continuous		
Noise sources/notes	Road noise was not audible over other extraneous noise sources		

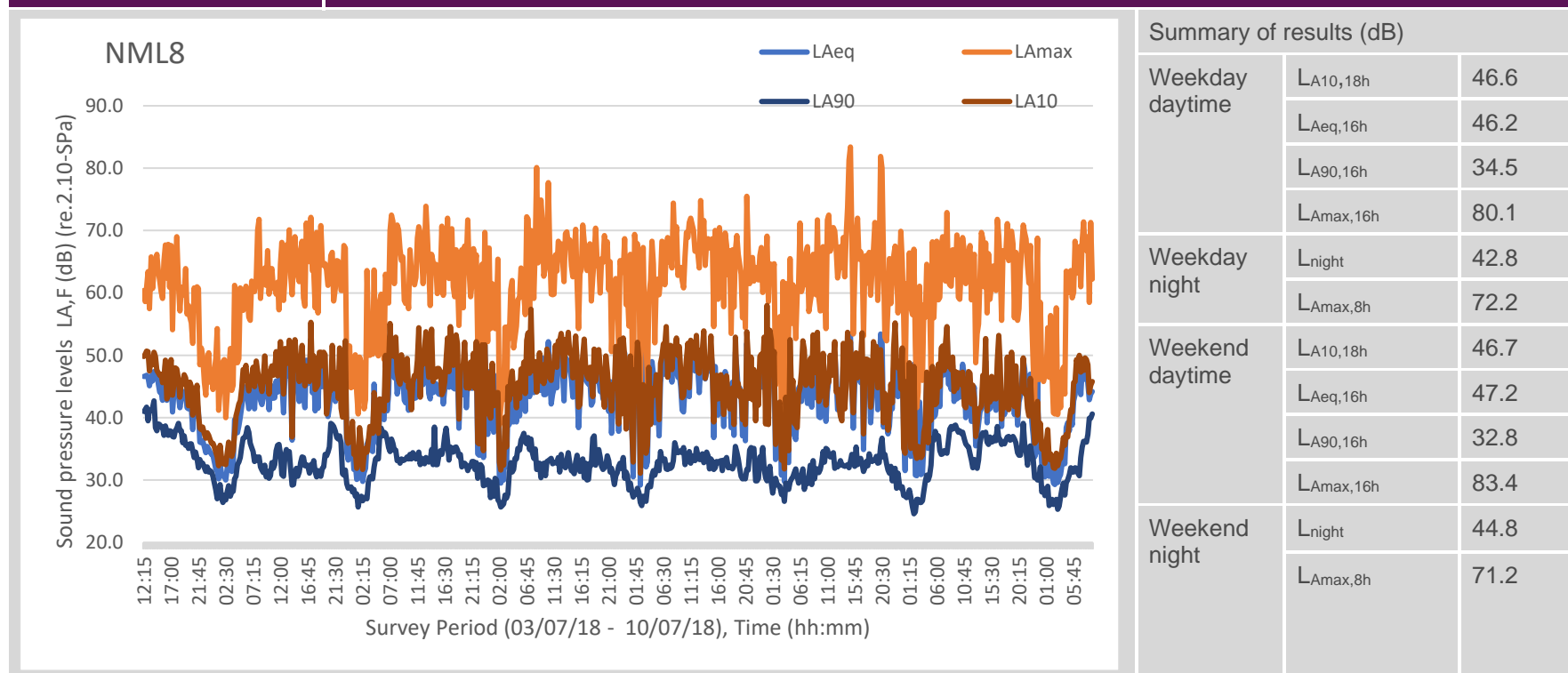
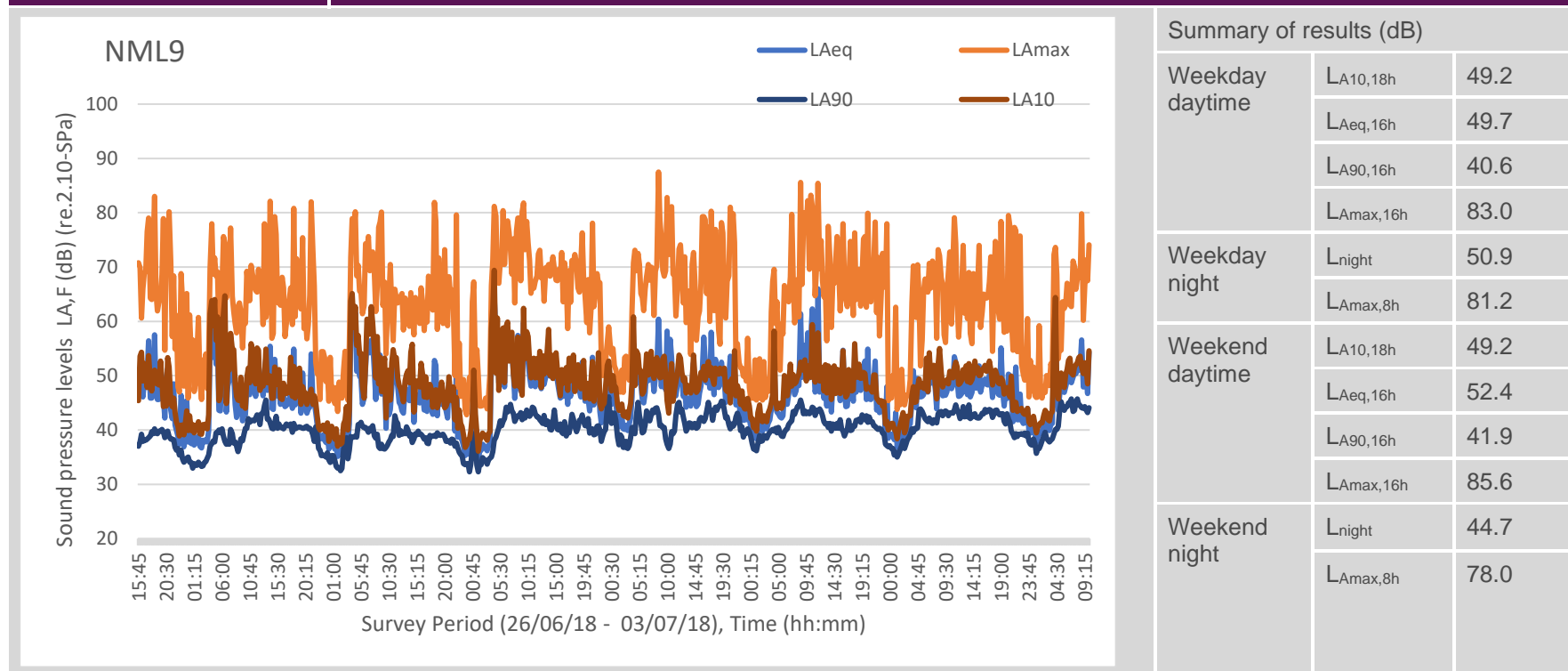


Table 11.2.9: Noise Monitoring Location 9: 1 Tollemache Close

Site reference	NML9 1 Tollemache Close	Site details	Free-field, microphone 1.5m above ground
Start date/time	26/06/2018 15:45	End date/time	03/07/2018 10:15
Measurement interval	15 minutes, continuous		
Noise sources/notes	Road noise was occasionally audible over other extraneous noise sources		



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