SPIRE ENVIRONMENTAL
NOISE, VIBRATION AND AIR QUALITY CONSULTANTS

Rand & Asquith (Aceblade) Limited

Elland Edge Quarries, Lower Edge Road, Rastrick, Brighouse

Calderdale, HD6 3LD

R25.1925-1-AG

Noise Impact Assessment

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Notice

EXECUTIVE SUMMARY

Spire Environmental Consultants Limited have been appointed by Cromwell Wood on behalf of Rand & Asquith (Aceblade) Limited to undertake an environmental noise assessment of mineral extraction, processing and restoration operations at Elland Edge Quarry.

Background sound levels were undertaken at locations representative of the closest residential receptors in March 2025. The survey, and subsequent assessment work, have been undertaken in accordance with current standards and guidance.

At the closest residential properties, worst case closest approach mineral extraction, processing and restoration operations are below the Adverse Impact level in accordance with the BS 4142:2014 + A1 2019 standard.

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1. INTRODUCTION

Appointment & Background

1.1 Spire Environmental Consultants Limited have been appointed by Cromwell Wood on behalf of Rand & Asquith (Limited) to undertake an environmental noise assessment of mineral extraction/processing and restoration operations at Elland Edge Quarry.

1.2 Environmental noise monitoring was conducted on the Northern, Eastern, Southern and Western site boundaries with the closest residential receptors. The background surveys were conducted between 07 and 14 March 2025.

1.3 This report is necessarily technical in nature, so to assist the reader, a glossary of acoustic terminology can be found in **Appendix 1**.

Site Setting

1.4 Elland Edge Quarry is an existing building stone quarry and construction waste processing centre. The operator is to continue mineral extraction operations to the west of the site entrance and fill the quarry voids to the east and west with engineered fill from waste processing and quarrying operations. The processing of aggregates has been granted permit by the Environment Agency (EA). However, the EA requires the recovery of land and processing to be incorporated into one bespoke permit.

1.5 The scope of this noise assessment is to consider the existing building stone, quarrying, construction waste processing and infilling operations, in order to allow a bespoke permit to be produced for the site.

2. BS 4142:2014 + A1:2019 Methods for Rating and Assessing Industrial and Commercial Sound

2.1 BS 4142 provides methodology for rating and assessing sound associated with both industrial and commercial premises. The purpose of the standard is outlined in the opening section where it states that the method is appropriate for the consideration of:

- Sound from industrial and manufacturing processes;
- Sound from fixed installations which comprise mechanical and electrical plant and equipment;
- Sound from the loading and unloading of goods and materials at industrial and/or commercial premises; and
- Sound from mobile plant and vehicles that is an intrinsic part of the overall sound emanating from premises or processes, such as that from forklift trucks, or that from train movements on or around an industrial and/or commercial site.

2.2 The standard is based around the premise that the significance of the noise impact of an industrial/commercial facility can be derived from the numerical subtraction of the background sound level (not necessarily the lowest background level measured, but the typical background of the receptor) from the measured/calculated rating level of the specific sound level under consideration. This comparison will enable the impact of the specific sound level to be concluded based upon the premise that typically "the greater this difference, the greater the magnitude of the impact". The difference is then considered as follows:

- A difference of around +10 dB or more is likely to be an indication of a **significant adverse impact**, depending on the context.
- A difference of around +5dB is likely to be an indication of an **adverse impact**, depending on the context.
- The lower the rating level is relative to the measured background sound level, the less likely it is that the specific sound source will have an adverse impact or a significant adverse impact. Where the rating level does not exceed the background sound level, this is an indication of the specific sound source having a **low impact**, depending on the context.

2.3 BS 4142 further states that "where the rating level does not exceed the background sound level, this is an indication of the specific sound source having a low impact", depending on the context.

2.4 The standard further qualifies the assessment protocol by outlining conditions to the comparative assessment and stating that "not all adverse impacts will lead to complaints and not every compliant is proof of an adverse impact". This therefore implies that all sites should be assessed on their own merits and specifics.

2.5 The standard quantifies the typical reference periods to be used in the assessment of noise, namely:

- Typical daytime 07:00 – 23:00 1-hr assessment period
- Typical night-time 23:00 – 07:00 15-min assessment period

2.6 The standard also outlines methods for defining appropriate "character corrections" Within the rating levels to account for tonal and impulsive qualities along with other sound characteristics and/or intermittency. These are:

a. The Subjective Method

b. The Objective Method

c. The Reference Method

2.7 It is noted in the standard that were multiple features are present, the corrections should be added in a linear fashion to the specific level.

Level of perceptibility	Tonal correction dB	Impulsivity correction dB	Correction for other sound characteristics dB	Intermittency correction dB
No perceptibility	+0	+0	Where neither tonal nor impulsive but clearly identifiable +3	If intermittency is readily identifiable +3
Just perceptible	+2	+3		
Clearly perceptible	+4	+6		
Highly perceptible	+6	+9		

Table 1: BS 4142 character corrections

3. BASELINE NOISE SURVEY

Baseline Survey Methodology

3.1 Background noise surveys was undertaken on the northern, eastern, southern and western site boundaries with the closest residential properties. The survey positions are shown in Figure 1 (below).

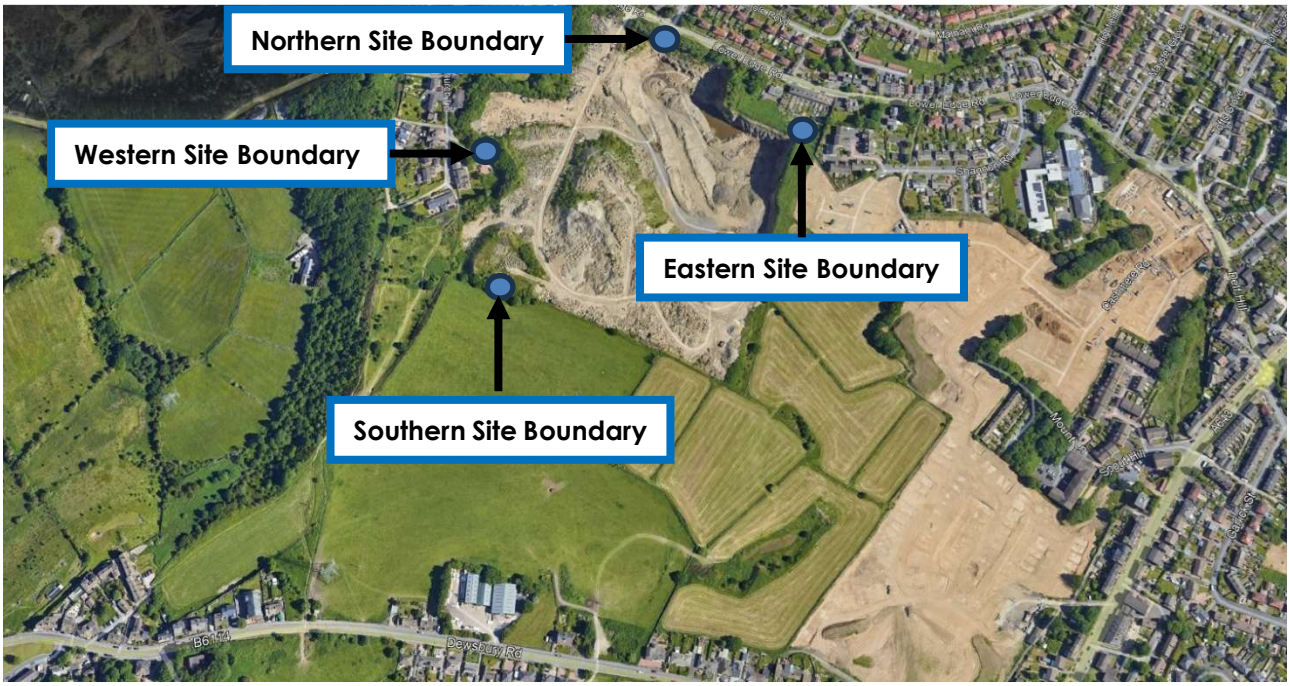

Figure 1: Noise Monitoring Locations

3.2 The noise measurements were undertaken using Cirrus 1710 Type 1 sound level meters (serial numbers G061853, G056773, G056483 and G301768). The sound level meters were calibrated with a Cirrus CR 515 calibrator (serial number 55186) at the start and end of the survey periods. There was no variation in the calibration level. The measurements were obtained in free-field conditions with the sound level meter tripod at a height of 1.2m above the ground.

Measurement Equipment

3.3 The noise survey was undertaken using Class 1 sound level meters. A calibration check was undertaken prior to and upon completion of the surveys. No significant calibration drift was found to have occurred. All laboratory calibration (biennial for the sound level meter and annual for the calibrator) was up to date at the time.

Weather conditions

3.4 A summary of the weather conditions obtained during the survey period (07 – 14 March 2025) is shown in Table 2 (below). This was obtained from representative data at Leeds Bradford Airport. The full weather data is shown in Appendix 7.

3.5 Recorded weather data with wind speeds not exceeding 5 m/s during the site operational periods was limited. Therefore background sound level data recorded between 07:00 – 23:00 hours on Sunday 09 March 2025 has been included, as all of the wind speeds were below 5 m/s during this period.

Date	Temperature °C	Wind speed (m/s)	Wind direction	Climate
Friday 07 March 2025	11.1 – 12.8	1.3 – 4.5	S/SE	Cloudy
Saturday 08 March 2025	6.1 – 13.9	0.9 – 5.4	NE/ENE/ESE/E	Fair/Fog patches
Sunday 09 March 2025	6.1 – 12.8	0.9 – 4.0	NNE/NE/ENE/VAR	Fair
Monday 10 March 2025	3.9 – 8.9	2.7 – 10.7	N/NNE	Fair/Patches of fog/Mist/Haze/Cloudy/Light Drizzle/Windy
Tuesday 11 March 2025	-2.2 – 0	3.6 – 7.2	N/NNE/NNW/ NW/WNW/W	Partly cloudy/Fair
Wednesday 12 March 2025	1.1 - 6.1	3.6 – 8.0	WNW/NW/N/ NNW/NNE/NE	Cloudy/Showers/Fair
Thursday 13 March 2025	2.2 – 5.0	1.3 – 8.0	N/NNW/NNE/WNW	Partly cloudy/Showers/Fair

Table 2 – Weather conditions during the survey periods

Operating hours

3.6 Condition 15 of the Variation of condition 21 on application number 21/00988/VAR states that the site is permitted to operate between 07: 00 – 23:00 hours Monday to Friday and 07:00 – 13:00 hours on Saturdays. No operations are permitted on Sundays or Bank Holidays.

Measurement Results

3.7 A summary of the measured hourly noise levels during the site operational periods (including Sundays) is presented in Tables 3 – 6. The full results are shown in **Appendix 2 – 5.**

Northern site boundary

3.8 Environmental noise monitoring at the northern site boundary was conducted in a free-field location for a continuous period between 13:00 hours on Friday 07 March and 07:00 hours on Friday 14 March 2025.

3.9 A summary of the survey results obtained during this period are shown in Table 3 (below). These results only include the site operational periods when the wind speeds did not exceed 5 m/s. The background sound level ($L_{A90,1h}$) hours distribution is shown in Figure 2 (below).

Survey Period	dB $L_{Aeq,1h}$	dB $L_{A90,1h}$
Friday 07 March 2025	50.8 – 60.0	41.2 – 53.4
Saturday 08 March 2025	53.2 – 57.1	42.7 – 49.0
Sunday 09 March 2025	49.7 – 60.0	37.1 – 48.9
Monday 10 March 2025	60.0	50.4
Tuesday 11 March 2025	60.2 – 68.1	47.9 – 50.2
Wednesday 12 March 2025	55.8	40.6
Thursday 13 March 2025	53.0 – 55.1	31.1 – 40.0

Table 3 – Northern site boundary measured sound pressure levels (operational periods only)

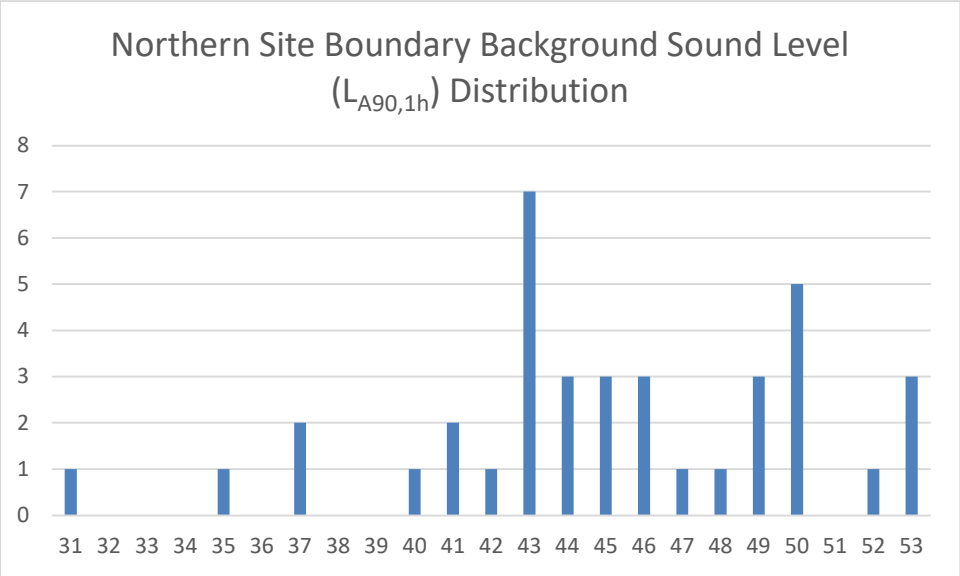

Figure 2 – Northern site boundary measured sound pressure level graph

3.10 During the site operational periods, the ambient noise levels were between 49.7 and 68.1 $L_{Aeq,1h}$. The corresponding background noise level was between 31.1 and 53.4 $L_{A90,1h}$. The noise climate was dominated by road traffic noise on Lower Edge Road.

3.11 Figure 2 (above) shows the background sound level distribution. The most frequently recorded background sound level was 43 $L_{A90,1h}$. The lowest recorded background sound level was 31 $L_{A90,1h}$. Recorded background sound levels were between 31 and 53 $L_{A90,1h}$. The most frequently occurring background sound level of 43 $L_{A90,1h}$ will be used in this assessment as it is the most representative of the noise climate.

Eastern site boundary

3.12 Environmental noise monitoring at the Eastern site boundary was conducted in a free-field location for a continuous period between 13:00 hours on Friday 07 March and 07:00 hours on Friday 14 March 2025.

3.13 A summary of the survey results obtained during this period are shown in Table 4 (below). These results only include the site operational periods when the wind speeds did not exceed 5 m/s. The background sound level ($L_{A90,1h}$) hours distribution is shown in Figure 3 (below).

Survey Period	dB $L_{Aeq,1h}$	dB $L_{A90,1h}$
Friday 07 March 2025	46.3 – 59.7	41.9 – 54.3
Saturday 08 March 2025	51.3 – 53.2	43.6 – 50.6
Sunday 09 March 2025	47.6 – 53.7	38.2 – 50.9
Monday 10 March 2025	57.1	50.9
Tuesday 11 March 2025	53.7 – 56.2	47.3 – 48.0
Wednesday 12 March 2025	49.6	41.7
Thursday 13 March 2025	44.9 – 49.7	33.3 – 40.6

Table 4 – Eastern site boundary measured sound pressure levels (operational periods only)

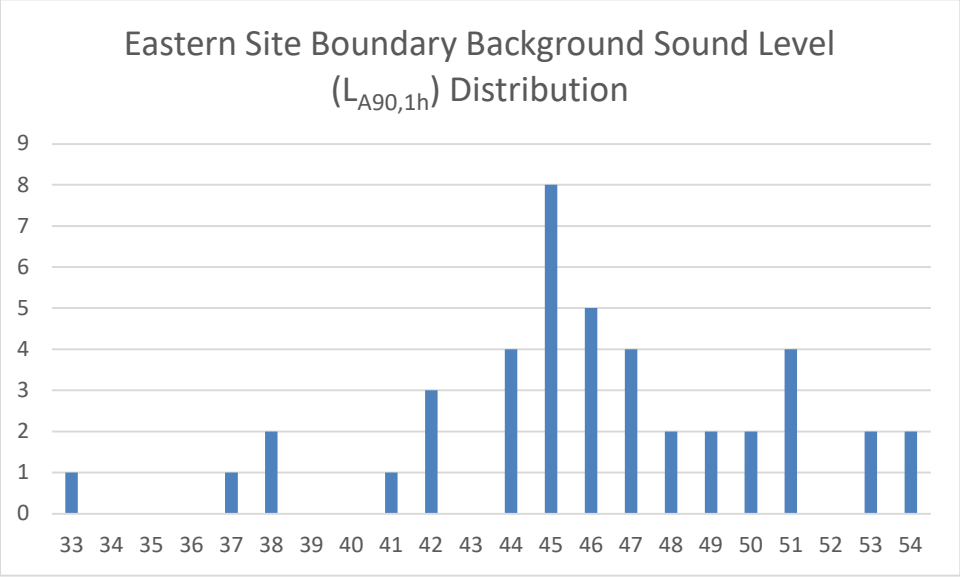

Figure 3 – Eastern site boundary measured sound pressure level graph

3.14 During the site operational periods, the ambient noise levels were between 44.9 and 59.7 $L_{Aeq,1h}$. The corresponding background noise level was between 33.3 and 54.3 $L_{A90,1h}$. Mobile plant movements within the quarry were faintly audible. The noise climate was dominated by road traffic noise on Lower Edge Road.

3.15 Figure 3 (above) shows the background sound level distribution. The most frequently recorded background sound level was 45 $L_{A90,1h}$. The lowest recorded background sound level was 33 $L_{A90,1h}$. Recorded background sound levels were between 33 and 54 $L_{A90,1h}$. The most frequently occurring background sound level of 45 $L_{A90,1h}$ will be used in this assessment as it is the most representative of the noise climate.

Southern site boundary

3.16 Environmental noise monitoring at the Southern site boundary was conducted in a free-field location for a continuous period between 13:00 hours on Friday 07 March and 07:00 hours on Friday 14 March 2025.

3.17 A summary of the survey results obtained during this period are shown in Table 5 (below). These results only include the site operational periods when the wind speeds did not exceed 5 m/s. The background sound level ($L_{A90,1h}$) hours distribution is shown in Figure 4 (below).

Survey Period	dB $L_{Aeq,1h}$	dB $L_{A90,1h}$
Friday 07 March 2025	41.2 – 52.8	37.1 – 48.7
Saturday 08 March 2025	45.3 – 48.7	38.1 – 43.4
Sunday 09 March 2025	40.3 – 46.7	34.7 – 43.2
Monday 10 March 2025	50.7	46.7
Tuesday 11 March 2025	43.7 – 46.4	39.8 – 40.5
Wednesday 12 March 2025	41.9	36.6
Thursday 13 March 2025	33.7 – 43.0	28.9 – 35.0

Table 5 – Southern site boundary measured sound pressure levels (operational periods only)

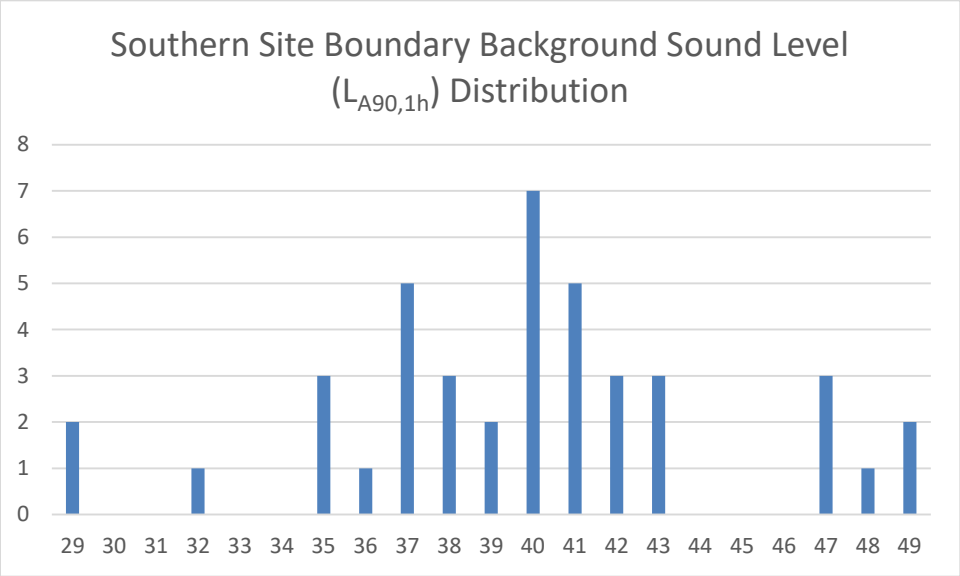

Figure 4 – Southern site boundary measured sound pressure level graph

3.18 During the site operational periods, the ambient noise levels were between 33.7 and 52.8 $L_{Aeq,1h}$. The corresponding background noise level was between 28.9 and 48.7 $L_{A90,1h}$. Mobile and static plant movements were faintly audible. The noise climate was influenced by road traffic noise and bird song.

3.19 Figure 4 (above) shows the background sound level distribution. The most frequently recorded background sound level was 40 $L_{A90,1h}$. The lowest recorded background sound level was 29 $L_{A90,1h}$. Recorded background sound levels were between 29 and 49 $L_{A90,1h}$. The most frequently occurring background sound level of 40 $L_{A90,1h}$ will be used in this assessment as it is the most representative of the noise climate.

Western site boundary

3.20 Environmental noise monitoring at the Western site boundary was conducted in a free-field location for a continuous period between 13:00 hours on Friday 07 March and 07:00 hours on Friday 14 March 2025.

3.21 A summary of the survey results obtained during this period are shown in Table 6 (below). These results only include the site operational periods when the wind speeds did not exceed 5 m/s. The background sound level ($L_{A90,1h}$) hours distribution is shown in Figure 5 (below).

Survey Period	dB $L_{Aeq,1h}$	dB $L_{A90,1h}$
Friday 07 March 2025	38.5 – 49.4	34.4 – 45.3
Saturday 08 March 2025	41.5 – 45.3	34.3 – 40.4
Sunday 09 March 2025	37.0 – 44.4	31.3 – 39.6
Monday 10 March 2025	47.3	43.3
Tuesday 11 March 2025	40.5 – 43.2	36.6 – 37.8
Wednesday 12 March 2025	42.3	38.0
Thursday 13 March 2025	31.0 – 40.2	26.2 – 31.8

Table 6 – Western site boundary measured sound pressure levels (operational periods only)

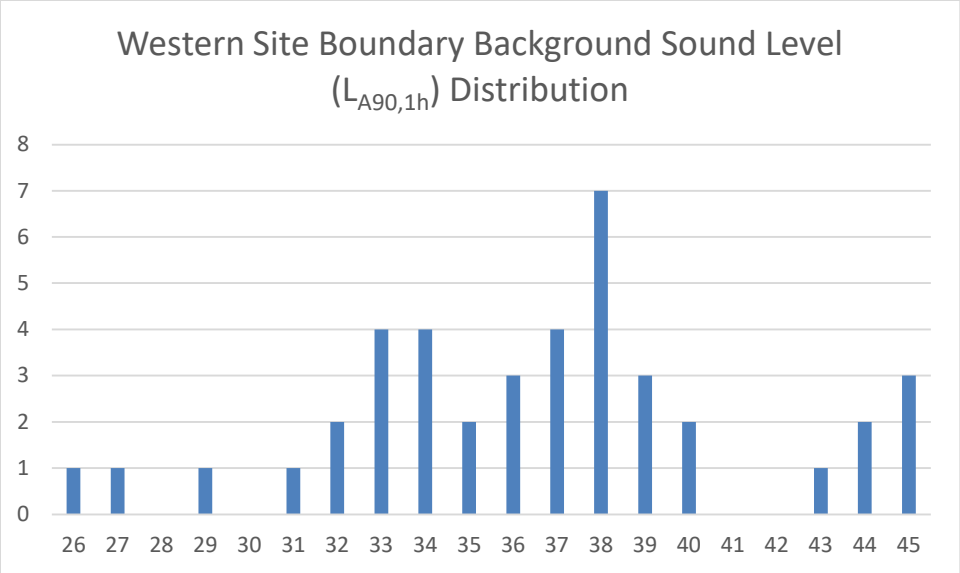

Figure 5 – Western site boundary measured sound pressure level graph

3.22 During the site operational periods, the ambient noise levels were between 31.0 and 49.4 $L_{Aeq,1h}$. The corresponding background noise level was between 26.2 and 45.3 $L_{A90,1h}$. Mobile and static plant movements were faintly audible. The noise climate was influenced by road traffic noise and bird song.

3.23 Figure 5 (above) shows the background sound level distribution. The most frequently recorded background sound level was 38 $L_{A90,1h}$. The lowest recorded background sound level was 26 $L_{A90,1h}$. Recorded background sound levels were between 26 and 45 $L_{A90,1h}$. The most frequently occurring background sound level of 38 $L_{A90,1h}$ will be used in this assessment as it is the most representative of the noise climate.

4. NOISE ASSESSMENT

Introduction

4.1 This noise assessment has considered the combined operation of the existing building stone operations, mineral extraction (western extension) and processing, construction waste processing and infill into the quarry void to the east of the site entrance.

4.2 The noise impact of these operations are to be assessed in accordance with BS 4142:2014 + A1 2019. Site operations are to be conducted during the daytime period only. The noise predictions have been conducted using IMMI noise prediction software in accordance with ISO 9613-2:2024. Closest approach operations have been considered in the assessment.

Plant Complement

4.3 Table 7 (below) shows the mobile and static plant used in the noise predictions. All of the plant was measured on site.

Noise source	Plant used	Operational period (over 1-hour assessment period)	Measured L_{Aeq}
Cutting large stones	Husqvarna K770 petrol saw	2 mins per slab 10 slabs per day (max 20 mins)	83.7 @ 10m
Cutting small stones	Hand chisel	1-hour	73.4 @ 5m
Moving stone pallets	JCB 530 telehandler	30-minutes	72.2 @ 10m
Crushing stone	Terex Finlay J-1170 crusher	1-hour	84.6 @10m
Screening stone	Powerscreen Warrior 1400 scalping screen	1-hour	83.2 @10m
Screening stone	Powerscreen Powertrack 800 vibrating screen	1-hour	82.1 @10m
Loading HGV with stone	Case 921 loading HGV	30-minutes	75.0 @10m
Loading dumper with aggregate	Doosan DX530 excavator loading Bell 30D dumper	30-minutes	74.4 @10m
Dumper on haul road	Bell 30D dumper	30-minutes	65.8 @10m
HGVs on haul road	HGVs	30-minutes	65.0 @ 5m

Table 7 – Operational plant

Grid References

4.4 The grid references for the closest noise sensitive receptor and operational plant are shown in Tables 8 & 9 (below).

Ref	Noise sensitive receptors	Grid Co-ordinates		Bearing from site
		Easting	Northing	
1	79 Lower Edge Road	413039	421337	N
2	17 Belgrave Court	413081	421239	E
3	82 Dewsbury Road	412832	420779	S
4	42 Church Lane	412711	421228	W

Table 8 – Noise sensitive receptor grid references

Ref	Site activity	Grid Co-ordinates	
		Easting	Northing
1	Husqvarna K770 petrol saw cutting large stones	412853	421304
2	Hand chisel cutting small stones	412860	421314
3	JCB 530 telehandler moving stone pallets	412860	421378
4	Terex Finlay J-1170 crusher crushing stone	412986	421076
5	Powerscreen Warrior 1400 scalping screen screening stone	412970	412056
6	Powerscreen Powertrack 800 vibrating screen screening stone	412945	412085
7	Case 921 loading HGV with stone	412908	421093
8A	Doosan DX530 excavator loading Bell 30D dumper with aggregates (West)	412736	421329
8B	Bell B30D dumper unloading	412736	421329
9	Bell 30D dumper on haul road	412823	421263
10	HGVs on haul road	412823	421263

Table 9 – Operational plant grid references

BS 4142 Assessment

4.5 The BS 4142 assessment has considered the combined operation of all of the activities shown in Table 9 (above). This represents a worst case scenario as it is unlikely that all of the noise sources will be operating at the same time. The BS 4142 is shown in Table 10 (below).

4.6 A character correction has not been applied as the permit application does not introduce any new noise sources to the site, or operations in areas which have not previously been worked before.

Description	79 Lower Edge Road (North)	17 Belgrave Court (East)	82 Dewsbury Road (South)	42 Church Lane (West)
Specific noise level	42 $L_{Aeq,1h}$	41 $L_{Aeq,1h}$	35 $L_{Aeq,1h}$	42 $L_{Aeq,1h}$
Acoustic correction	0	0	0	0
Rating Level	42	41	35	42
Background sound level	43 $L_{A90,1h}$	45 $L_{A90,1h}$	40 $L_{A90,1h}$	38 $L_{A90,1h}$
Excess over background	- 1	- 4	- 5	+ 4
BS 4142 impact	**Low Impact**	**Low Impact**	**Low Impact**	**Below Adverse**

Table 8 BS 4142 assessment

4.7 During worst case combined operations, the Rating Levels at 79 Lower Edge Road, 17 Belgrave Court and 82 Dewsbury road are below the background sound level. The BS 4142 assessment indicates they are at the Low Impact level.

4.8 At 42 Church Lane, the rating level is below +5 dB above the background sound level. The BS 4142 assessment indicates the impact is Below Adverse.

5. MEASUREMENT UNCERTAINTY

5.1 The potential uncertainties of this assessment are outlined below.

Background Noise Assessment

5.2 Background noise monitoring was conducted for a continuous 7-day on the site boundary at locations representative of the closest residential properties.

5.3 The wind speed was greater than 5 m/s for a significant period of the background survey period. In order to mitigate this, the background data for Sunday 09 March 2025 (07:00 – 23:00) was used in the assessment. Although the site will not be operating during this period, background sound levels were lower than during the weekday period as road traffic volumes (the dominant noise source) were significantly reduced.

5.4 In accordance with BS 4142:2014 + A1 2019, typical rather than the lowest background sound levels recorded at each receptor have been used in the assessment.

Specific Noise Levels

5.5 All of the mobile and static plant levels used in the assessment were from measurements taken from on-site measurements of existing plant. They are therefore representative of the plant which is to be used on the Elland Edge quarry site.

Noise Predictions

5.6 The noise levels were predicted in accordance with ISO 9613-2:2024. The uncertainty within this prediction method is +/- 3 dB.

APPENDICES

APPENDIX 1: Glossary of Terms

Noise

Noise is defined as unwanted sound. Human ears can respond to sound in the frequency range 20 Hz (deep bass) to 20,000 Hz (high treble) and over the audible range of 0 dB (the threshold of perception) to 140 dB (the threshold of pain). The ear does not respond equally to different frequencies of the same magnitude but is more responsive to mid-frequencies than to lower or higher frequencies. To quantify noise in a manner that approximates the response of the human ear, a weighting mechanism is used. This reduces the importance of lower and higher frequencies, in a similar manner to the human ear.

Furthermore, the perception of noise may be determined by several other factors, which may not necessarily be acoustic. In general, the impact of noise depends upon its level, the margin by which it exceeds the background level, its character and its variation over a given period. In some cases, the time of day and other acoustic features such as tonality or impulsiveness may be important, as may the disposition of the affected individual. Any assessment of noise should give due consideration to all these factors when assessing the significance of a noise source.

The most widely used weighting mechanism that best corresponds to the response of the human ear is the 'A'-weighting scale. This is widely used for environmental noise measurement, and the levels are denoted as dB(A) or L_{Aeq}, L_{A90} etc., according to the parameter being measured.

The decibel scale is logarithmic rather than linear, and hence a 3 dB increase in sound level represents a doubling of the sound energy present. Judgement of sound is subjective, but as a general guide a 10 dB(A) increase can be taken to represent a doubling of loudness, whilst an increase in the order of 3 dB(A) is generally regarded as the minimum difference needed to perceive a change under normal listening conditions.

Acoustic Terminology

Term	Description
dB (decibel)	The scale on which sound pressure level is expressed. Sound pressure level is defined as 20 times the logarithm of the ratio between the root-mean-square pressure of the sound field and a reference pressure (2x10-5Pa).
dB(A)	A-weighted decibel. This is a measure of the overall level of sound across the audible spectrum with a frequency weighting (i.e., 'A' - weighting) to compensate for the varying sensitivity of the human ear to sound at different frequencies.
$L_{Aeq,T}$	L_{Aeq} is defined as the notional steady sound level which, over a stated. period (T) would contain the same amount of acoustical energy. as the A - weighted fluctuating sound measured over that period.
L_{Amax}	L_{Amax} is the maximum A - weighted sound pressure level recorded over the period stated. L_{Amax} is sometimes used in assessing environmental noise. where occasional loud noises occur, which may have little effect on the overall L_{eq} noise level but will still affect the noise environment. Unless described otherwise, it is measured using the 'fast' sound level meter. response.
L_{10} and L_{90}	If a non-steady noise is to be described, it is necessary to know both its level. and the degree of fluctuation. The Ln indices are used for this purpose, and the term refers to the level exceeded for n% of the time. Hence L_{10} is the level exceeded for 10% of the time, and the L_{90} is the level exceeded for 90% of the time.
Free-field Level	A sound field determined at a point away from reflective surfaces other. than the ground with no significant contributions due to sound from other reflective surfaces. Generally, as measured outside and away from buildings.
Façade Level	A sound field determined at 1m in front of a large sound. reflecting object such as a building façade.

APPENDIX 2: Northern Site Boundary

Table A2.1: Northern Site Boundary Friday 07/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
07/03/2025 13:00:00	1-hour	58.7	82.5	61.6	52.6
07/03/2025 14:00:00	1-hour	59.7	78.8	62.3	53.4
07/03/2025 15:00:00	1-hour	60.0	81.7	63.1	52.8
07/03/2025 16:00:00	1-hour	59.9	80.7	63.0	52.1
07/03/2025 17:00:00	1-hour	57.3	73.4	61.3	49.5
07/03/2025 18:00:00	1-hour	57.0	78.5	60.2	49.5
07/03/2025 19:00:00	1-hour	58.7	82.5	61.6	52.6
Over survey period		**58.9**	***82.5**	**61.9**	**51.7**

*Maximum over survey period

Table A2.2: Northern Site Boundary Friday 07/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
07/03/2025 19:00:00	1-hour	55.5	70.2	58.8	49.6
07/03/2025 20:00:00	1-hour	54.0	75.0	57.5	44.5
07/03/2025 21:00:00	1-hour	51.7	70.8	55.2	41.2
07/03/2025 22:00:00	1-hour	50.8	70.2	53.6	42.4
Over survey period		**53.4**	***75.0**	**56.3**	**44.4**

*Maximum over survey period

Table A2.3: Northern Site Boundary Friday 07/03/2025 – Saturday 08/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
07/03/2025 23:00:00	1-hour	50.4	71.8	51.2	44.2
08/03/2025 00:00:00	1-hour	49.2	74.6	48.7	42.3
08/03/2025 01:00:00	1-hour	47.8	67.1	48.9	41.8
08/03/2024 02:00:00	1-hour	46.5	65.4	48.0	41.9
08/03/2025 03:00:00	1-hour	45.2	66.3	46.0	39.2
08/03/2025 04:00:00	1-hour	42.8	65.7	41.5	35.3
08/03/2025 05:00:00	1-hour	48.2	69.2	49.4	40.6
08/03/2025 06:00:00	1-hour	52.1	70.7	54.6	42.2
Over survey period		**48.6**	***74.6**	**48.5**	**40.9**

*Maximum over survey period

Table A2.4: Northern Site Boundary Saturday 08/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
08/03/2025 07:00:00	1-hour	53.2	72.4	56.7	42.7
08/03/2025 08:00:00	1-hour	55.0	73.8	59.0	43.2
08/03/2025 09:00:00	1-hour	56.1	78.0	60.2	43.0
08/03/2025 10:00:00	1-hour	57.1	78.4	60.8	47.3
08/03/2025 11:00:00	1-hour	56.7	71.7	60.5	49.0
08/03/2025 12:00:00	1-hour	56.8	71.3	60.6	49.5
08/03/2025 13:00:00	1-hour	59.5	88.6	60.5	49.7
08/03/2025 14:00:00	1-hour	55.8	76.1	59.4	49.0
08/03/2025 15:00:00	1-hour	57.0	84.2	59.4	49.6
08/03/2025 16:00:00	1-hour	55.7	69.1	59.3	49.6
08/03/2025 17:00:00	1-hour	57.3	79.7	60.1	51.6
08/03/2025 18:00:00	1-hour	56.5	73.4	60.0	50.8
Over survey period		**56.6**	***88.6**	**59.7**	**47.9**

*Maximum over survey period

Table A2.5: Northern Site Boundary Saturday 08/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
08/03/2025 19:00:00	1-hour	55.8	81.3	58.2	49.8
08/03/2025 20:00:00	1-hour	53.7	67.7	56.8	48.6
08/03/2025 21:00:00	1-hour	55.0	82.7	56.0	43.9
08/03/2025 22:00:00	1-hour	53.6	71.4	57.9	42.5
Over survey period		**54.6**	***82.7**	**57.2**	**46.2**

Table A2.6: Northern Site Boundary Saturday 08/03/2025 – Sunday 09/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
08/03/2025 23:00:00	1-hour	51.7	75.4	53.9	41.6
09/03/2025 00:00:00	1-hour	46.1	66.0	47.5	39.2
09/03/2025 01:00:00	1-hour	45.6	71.2	44.4	37.9
09/03/2025 02:00:00	1-hour	46.3	72.0	43.1	36.6
09/03/2025 03:00:00	1-hour	43.8	67.4	42.3	36.8
09/03/2025 04:00:00	1-hour	46.7	67.5	44.1	38.6
09/03/2025 05:00:00	1-hour	47.3	66.2	48.2	41.2
09/03/2025 06:00:00	1-hour	51.4	76.9	53.1	43.1
Over survey period		**48.2**	***76.9**	**47.1**	**39.4**

*Maximum over survey period

Table A2.7: Northern Site Boundary Sunday 09/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
09/03/2025 07:00:00	1-hour	50.7	72.2	52.1	43.2
09/03/2025 08:00:00	1-hour	53.9	74.7	56.8	42.9
09/03/2025 09:00:00	1-hour	55.5	78.4	59.5	44.9
09/03/2025 10:00:00	1-hour	56.0	75.9	59.9	45.6
09/03/2025 11:00:00	1-hour	56.4	78.4	60.0	44.4
09/03/2025 12:00:00	1-hour	57.5	86.3	60.3	43.3
09/03/2025 13:00:00	1-hour	55.5	75.5	59.5	41.3
09/03/2025 14:00:00	1-hour	56.7	83.2	59.2	43.7
09/03/2025 15:00:00	1-hour	54.8	77.3	58.8	43.5
09/03/2025 16:00:00	1-hour	55.0	80.7	58.9	43.4
09/03/2025 17:00:00	1-hour	60.0	94.6	58.2	46.2
09/03/2025 18:00:00	1-hour	53.9	72.7	57.8	45.6
Over survey period		**56.0**	***94.6**	**58.4**	**44.0**

*Maximum over survey period

Table A2.8: Northern Site Boundary Sunday 09/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
09/03/2025 19:00:00	1-hour	54.0	70.8	57.0	47.6
09/03/2025 20:00:00	1-hour	53.6	67.2	56.5	48.9
09/03/2025 21:00:00	1-hour	51.5	67.7	53.6	45.1
09/03/2025 22:00:00	1-hour	49.7	69.6	52.0	37.1
Over survey period		**52.5**	***70.8**	**54.8**	**44.7**

*Maximum over survey period

Table A2.9: Northern Site Boundary Sunday 09/03/2025 – Monday 10/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
09/03/2025 23:00:00	1-hour	46.8	71.6	44.1	37.3
10/03/2025 00:00:00	1-hour	44.4	67.2	45.8	36.4
10/03/2025 01:00:00	1-hour	46.9	68.2	49.6	38.6
10/03/2025 02:00:00	1-hour	43.0	63.3	46.7	36.9
10/03/2025 03:00:00	1-hour	45.0	67.4	47.3	40.1
10/03/2025 04:00:00	1-hour	45.5	70.2	44.6	39.6
10/03/2025 05:00:00	1-hour	51.8	69.5	54.5	45.3
10/03/2025 06:00:00	1-hour	56.8	73.8	60.4	49.2
Over survey period		**50.2**	***73.8**	**49.1**	**40.4**

*Maximum over survey period

Table A2.10: Northern Site Boundary Monday 10/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
10/03/2025 07:00:00	1-hour	60.2	75.4	64.1	50.4
10/03/2025 08:00:00	1-hour	59.9	85.7	63.4	50.7
10/03/2025 09:00:00	1-hour	57.7	80.9	61.3	46.2
10/03/2025 10:00:00	1-hour	57.6	81.6	61.0	45.6
10/03/2025 11:00:00	1-hour	57.8	77.5	61.1	46.3
10/03/2025 12:00:00	1-hour	58.2	74.4	61.2	46.7
10/03/2025 13:00:00	1-hour	57.4	74.0	60.8	46.7
10/03/2025 14:00:00	1-hour	58.6	78.5	61.9	48.6
10/03/2025 15:00:00	1-hour	59.8	82.8	62.8	50.3
10/03/2025 16:00:00	1-hour	59.7	77.5	63.0	50.2
10/03/2025 17:00:00	1-hour	59.0	80.8	62.6	47.2
10/03/2025 18:00:00	1-hour	56.3	77.6	60.5	44.8
Over survey period		**58.7**	***85.7**	**62.0**	**47.8**

*Maximum over survey period

Table A2.11: Northern Site Boundary Monday 10/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
10/03/2025 19:00:00	1-hour	54.8	76.3	58.6	43.5
10/03/2025 20:00:00	1-hour	54.0	77.9	58.1	41.5
10/03/2025 21:00:00	1-hour	51.2	71.2	54.5	39.5
10/03/2025 22:00:00	1-hour	48.8	67.7	50.9	38.4
Over survey period		**52.8**	***77.9**	**55.5**	**40.7**

*Maximum over survey period

Table A2.12: Northern Site Bry. Monday 10/03/2025 – Tuesday 11/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
10/03/2025 23:00:00	1-hour	45.7	71.4	43.4	38.2
11/03/2025 00:00:00	1-hour	44.0	70.2	40.5	35.9
11/03/2025 01:00:00	1-hour	42.0	68.4	38.8	33.3
11/03/2025 02:00:00	1-hour	43.0	69.8	38.0	33.0
11/03/2025 03:00:00	1-hour	40.8	66.5	37.9	33.0
11/03/2025 04:00:00	1-hour	40.6	67.5	39.2	33.1
11/03/2025 05:00:00	1-hour	51.6	72.8	53.5	37.0
11/03/2025 06:00:00	1-hour	56.4	73.8	60.5	42.8
Over survey period		**49.4**	***73.8**	**44.0**	**35.8**

*Maximum over survey period

Table A2.13: Northern Site Boundary Tuesday 11/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
11/03/2025 07:00:00	1-hour	60.5	85.9	63.9	49.0
11/03/2025 08:00:00	1-hour	59.8	82.7	63.3	49.9
11/03/2025 09:00:00	1-hour	58.1	74.2	61.8	45.8
11/03/2025 10:00:00	1-hour	57.8	82.2	61.2	44.0
11/03/2025 11:00:00	1-hour	58.1	82.8	61.7	44.0
11/03/2025 12:00:00	1-hour	56.8	73.9	60.8	42.3
11/03/2025 13:00:00	1-hour	59.0	79.2	62.4	45.9
11/03/2025 14:00:00	1-hour	56.2	71.8	59.9	46.1
11/03/2025 15:00:00	1-hour	68.1	86.3	72.3	50.2
11/03/2025 16:00:00	1-hour	60.2	84.3	63.0	47.9
11/03/2025 17:00:00	1-hour	59.0	77.8	62.9	44.7
11/03/2025 18:00:00	1-hour	56.9	80.2	61.0	42.5
Over survey period		**60.8**	***86.3**	**62.9**	**46.0**

*Maximum over survey period

Table A2.14: Northern Site Boundary Tuesday 11/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
11/03/2025 19:00:00	1-hour	54.7	71.1	59.0	41.0
11/03/2025 20:00:00	1-hour	53.5	74.8	57.3	38.9
11/03/2025 21:00:00	1-hour	51.8	71.4	55.3	38.4
11/03/2025 22:00:00	1-hour	50.6	74.4	51.7	37.4
Over survey period		**52.9**	***74.8**	**55.8**	**38.9**

*Maximum over survey period

Table A2.15: Northern Site Bry. Tuesday 11/03/2025 – Wednesday 12/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
11/03/2025 23:00:00	1-hour	46.3	67.8	46.3	37.3
12/03/2025 00:00:00	1-hour	46.6	72.8	41.3	35.0
12/03/2025 01:00:00	1-hour	40.7	66.1	37.8	33.9
12/03/2025 02:00:00	1-hour	47.5	76.1	35.9	31.7
12/03/2025 03:00:00	1-hour	39.8	65.2	34.4	30.7
12/03/2025 04:00:00	1-hour	41.7	65.8	40.4	32.2
12/03/2025 05:00:00	1-hour	49.5	68.9	51.6	35.9
12/03/2025 06:00:00	1-hour	56.3	72.2	60.5	41.3
Over survey period		**49.4**	**76.1**	**43.5**	**34.8**

*Maximum over survey period

Table A2.16: Northern Site Boundary Wednesday 12/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
12/03/2025 07:00:00	1-hour	59.6	81.8	63.4	46.1
12/03/2025 08:00:00	1-hour	59.4	75.5	63.1	47.8
12/03/2025 09:00:00	1-hour	58.1	89.1	61.5	46.5
12/03/2025 10:00:00	1-hour	57.7	76.5	61.2	47.5
12/03/2025 11:00:00	1-hour	58.0	77.7	61.5	46.9
12/03/2025 12:00:00	1-hour	57.4	78.7	61.0	45.4
12/03/2025 13:00:00	1-hour	58.9	76.9	62.3	47.0
12/03/2025 14:00:00	1-hour	59.8	76.0	63.6	47.7
12/03/2025 15:00:00	1-hour	65.2	96.9	64.4	50.1
12/03/2025 16:00:00	1-hour	60.8	76.7	64.6	48.8
12/03/2025 17:00:00	1-hour	60.5	71.8	64.5	47.0
12/03/2025 18:00:00	1-hour	57.8	76.9	62.1	44.7
Over survey period		**60.1**	***96.9**	**62.8**	**47.1**

*Maximum over survey period

Table A2.17: Northern Site Boundary Wednesday 12/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
12/03/2025 19:00:00	1-hour	55.8	71.9	60.2	40.6
12/03/2025 20:00:00	1-hour	56.4	83.0	58.8	38.6
12/03/2025 21:00:00	1-hour	52.7	75.0	55.9	37.2
12/03/2025 22:00:00	1-hour	50.3	68.6	52.9	36.9
Over survey period		**54.4**	***83.0**	**57.0**	**38.3**

*Maximum over survey period

Table A2.18: Northern Site Bry. Wednesday 12/03/2025 – Thursday 13/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
12/03/2025 23:00:00	1-hour	46.0	71.0	45.0	35.6
13/03/2025 00:00:00	1-hour	44.7	68.3	40.6	33.1
13/03/2025 01:00:00	1-hour	45.4	76.2	35.5	32.2
13/03/2025 02:00:00	1-hour	41.7	66.0	35.8	30.8
13/03/2025 03:00:00	1-hour	45.0	75.3	38.5	32.0
13/03/2025 04:00:00	1-hour	43.3	66.7	40.4	34.4
13/03/2025 05:00:00	1-hour	51.1	72.2	54.0	37.5
13/03/2025 06:00:00	1-hour	56.2	75.7	60.3	41.8
Over survey period		**49.5**	***76.2**	**43.8**	**35.0**

*Maximum over survey period

Table A2.19: Northern Site Boundary Thursday 13/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
13/03/2025 07:00:00	1-hour	59.8	78.8	63.6	47.0
13/03/2025 08:00:00	1-hour	59.8	79.8	63.3	48.6
13/03/2025 09:00:00	1-hour	59.0	84.8	62.1	47.6
13/03/2025 10:00:00	1-hour	57.7	77.6	61.5	45.1
13/03/2025 11:00:00	1-hour	57.8	81.0	61.2	44.6
13/03/2025 12:00:00	1-hour	56.8	77.3	60.6	43.5
13/03/2025 13:00:00	1-hour	57.5	75.9	61.2	44.7
13/03/2025 14:00:00	1-hour	57.7	75.6	61.1	45.5
13/03/2025 15:00:00	1-hour	59.5	78.2	62.8	47.0
13/03/2025 16:00:00	1-hour	60.2	75.8	63.8	48.1
13/03/2025 17:00:00	1-hour	59.2	77.6	63.2	44.6
13/03/2025 18:00:00	1-hour	56.8	74.5	61.1	40.4
Over survey period		**58.6**	***84.8**	**62.1**	**45.6**

*Maximum over survey period

Table A2.20: Northern Site Boundary Thursday 13/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
13/03/2025 19:00:00	1-hour	55.1	72.8	59.1	36.7
13/03/2025 20:00:00	1-hour	54.5	82.6	58.1	35.1
13/03/2025 21:00:00	1-hour	53.2	74.4	56.6	31.1
13/03/2025 22:00:00	1-hour	53.0	80.9	53.2	40.0
Over survey period		**54.0**	***82.6**	**56.8**	**35.7**

*Maximum over survey period

Table A2.21: Northern Site Boundary Thursday 13/03/2025 – Friday 14/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
13/03/2025 23:00:00	1-hour	44.9	69.8	43.4	28.7
14/03/2025 00:00:00	1-hour	46.1	76.0	36.9	28.3
14/03/2025 01:00:00	1-hour	42.4	66.5	33.8	28.7
14/03/2025 02:00:00	1-hour	42.0	71.9	32.8	28.7
14/03/2025 03:00:00	1-hour	40.5	66.1	33.0	28.7
14/03/2025 04:00:00	1-hour	41.5	63.5	41.3	31.6
14/03/2025 05:00:00	1-hour	53.0	72.6	56.4	36.7
14/03/2025 06:00:00	1-hour	56.3	73.5	60.3	43.1
Over survey period		**49.8**	***76.0**	**42.2**	**31.8**

*Maximum over survey period

APPENDIX 3: Eastern Site Boundary

Table A3.1: Eastern Site Boundary Friday 07/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
07/03/2025 13:00:00	1-hour	56.4	78.8	57.0	53.1
07/03/2025 14:00:00	1-hour	56.4	72.7	57.8	54.3
07/03/2025 15:00:00	1-hour	56.8	72.3	58.5	53.7
07/03/2025 16:00:00	1-hour	59.7	81.2	61.5	52.9
07/03/2025 17:00:00	1-hour	53.3	67.3	55.4	50.0
07/03/2025 18:00:00	1-hour	54.4	70.9	56.6	49.2
07/03/2025 19:00:00	1-hour	56.4	78.8	57.0	53.1
Over survey period		**56.6**	***81.2**	**57.8**	**52.2**

*Maximum over survey period

Table A3.2: Eastern Site Boundary Friday 07/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
07/03/2025 19:00:00	1-hour	54.1	60.1	55.9	51.3
07/03/2025 20:00:00	1-hour	51.1	70.7	53.4	45.5
07/03/2025 21:00:00	1-hour	46.3	60.8	49.2	41.9
07/03/2025 22:00:00	1-hour	47.3	59.9	49.3	43.8
Over survey period		**50.8**	***70.7**	**52.0**	**45.6**

*Maximum over survey period

Table A3.3: Eastern Site Boundary Friday 07/03/2025 – Saturday 08/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
07/03/2025 23:00:00	1-hour	49.1	59.6	51.0	46.5
08/03/2025 00:00:00	1-hour	48.0	63.7	49.9	44.3
08/03/2025 01:00:00	1-hour	47.5	59.4	49.9	43.8
08/03/2024 02:00:00	1-hour	46.8	56.9	48.7	43.9
08/03/2025 03:00:00	1-hour	44.8	56.3	47.3	41.1
08/03/2025 04:00:00	1-hour	41.2	59.2	43.0	38.1
08/03/2025 05:00:00	1-hour	50.0	77.3	51.1	42.8
08/03/2025 06:00:00	1-hour	49.4	68.9	52.5	44.0
Over survey period		**47.8**	***77.3**	**49.2**	**43.1**

*Maximum over survey period

Table A3.4: Eastern Site Boundary Saturday 08/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
08/03/2025 07:00:00	1-hour	51.3	77.1	53.0	44.8
08/03/2025 08:00:00	1-hour	51.4	81.2	53.1	43.7
08/03/2025 09:00:00	1-hour	52.4	82.9	53.4	43.6
08/03/2025 10:00:00	1-hour	52.3	69.1	54.3	47.7
08/03/2025 11:00:00	1-hour	52.9	68.8	54.8	50.0
08/03/2025 12:00:00	1-hour	53.2	73.2	54.9	50.6
08/03/2025 13:00:00	1-hour	54.7	78.0	55.1	51.0
08/03/2025 14:00:00	1-hour	52.9	70.7	54.5	50.6
08/03/2025 15:00:00	1-hour	53.4	67.4	55.0	51.1
08/03/2025 16:00:00	1-hour	53.5	71.9	55.1	51.1
08/03/2025 17:00:00	1-hour	55.2	78.8	56.2	52.8
08/03/2025 18:00:00	1-hour	55.0	85.5	56.0	52.0
Over survey period		**53.4**	***85.5**	**54.6**	**49.1**

*Maximum over survey period

Table A3.5: Eastern Site Boundary Saturday 08/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
08/03/2025 19:00:00	1-hour	53.5	72.8	54.9	50.9
08/03/2025 20:00:00	1-hour	52.1	66.0	53.6	50.1
08/03/2025 21:00:00	1-hour	50.8	73.8	52.2	45.2
08/03/2025 22:00:00	1-hour	48.8	67.8	51.4	43.8
Over survey period		**51.6**	***73.8**	**53.0**	**47.5**

Table A3.6: Eastern Site Boundary Saturday 08/03/2025 – Sunday 09/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
08/03/2025 23:00:00	1-hour	47.3	62.3	49.9	42.5
09/03/2025 00:00:00	1-hour	44.1	55.5	46.3	41.2
09/03/2025 01:00:00	1-hour	42.8	57.1	44.7	39.2
09/03/2025 02:00:00	1-hour	42.9	65.2	43.8	38.1
09/03/2025 03:00:00	1-hour	41.3	58.0	42.7	38.1
09/03/2025 04:00:00	1-hour	43.7	57.4	45.4	40.0
09/03/2025 05:00:00	1-hour	53.2	78.1	52.6	43.2
09/03/2025 06:00:00	1-hour	49.8	70.9	51.9	44.6
Over survey period		**47.6**	***78.1**	**47.2**	**40.9**

*Maximum over survey period

Table A3.7: Eastern Site Boundary Sunday 09/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
09/03/2025 07:00:00	1-hour	49.2	69.2	51.1	44.9
09/03/2025 08:00:00	1-hour	49.4	67.0	52.1	44.2
09/03/2025 09:00:00	1-hour	51.0	71.6	53.0	45.8
09/03/2025 10:00:00	1-hour	51.7	72.1	53.6	47.1
09/03/2025 11:00:00	1-hour	50.2	61.9	52.7	46.2
09/03/2025 12:00:00	1-hour	49.7	64.9	52.4	44.5
09/03/2025 13:00:00	1-hour	48.4	64.8	51.5	42.3
09/03/2025 14:00:00	1-hour	53.7	82.4	52.0	44.5
09/03/2025 15:00:00	1-hour	49.6	71.6	52.1	44.8
09/03/2025 16:00:00	1-hour	49.1	67.9	51.7	44.8
09/03/2025 17:00:00	1-hour	51.5	79.5	52.5	46.8
09/03/2025 18:00:00	1-hour	52.7	87.7	52.8	46.4
Over survey period		**50.8**	***87.7**	**52.3**	**45.2**

*Maximum over survey period

Table A3.8: Eastern Site Boundary Sunday 09/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
09/03/2025 19:00:00	1-hour	51.7	67.9	53.8	48.5
09/03/2025 20:00:00	1-hour	52.9	62.1	54.6	50.9
09/03/2025 21:00:00	1-hour	49.8	59.8	51.9	46.8
09/03/2025 22:00:00	1-hour	47.6	60.0	51.2	38.2
Over survey period		**50.9**	***67.9**	**52.9**	**46.1**

*Maximum over survey period

Table A3.9: Eastern Site Boundary Sunday 09/03/2025 – Monday 10/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
09/03/2025 23:00:00	1-hour	42.9	60.5	44.9	38.6
10/03/2025 00:00:00	1-hour	43.3	58.3	46.7	37.8
10/03/2025 01:00:00	1-hour	46.5	59.6	49.4	40.2
10/03/2025 02:00:00	1-hour	43.4	58.1	47.4	38.1
10/03/2025 03:00:00	1-hour	45.7	57.1	48.1	41.8
10/03/2025 04:00:00	1-hour	44.2	59.2	45.6	41.0
10/03/2025 05:00:00	1-hour	51.0	70.3	53.9	45.3
10/03/2025 06:00:00	1-hour	53.4	70.3	55.2	50.3
Over survey period		**48.1**	***70.3**	**48.9**	**41.6**

*Maximum over survey period

Table A3.10: Eastern Site Boundary Monday 10/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
10/03/2025 07:00:00	1-hour	57.1	74.2	58.6	50.9
10/03/2025 08:00:00	1-hour	54.4	74.7	56.4	49.4
10/03/2025 09:00:00	1-hour	52.2	70.9	54.8	45.3
10/03/2025 10:00:00	1-hour	51.4	68.6	54.0	45.4
10/03/2025 11:00:00	1-hour	51.2	70.9	53.6	46.0
10/03/2025 12:00:00	1-hour	51.7	70.6	54.5	46.1
10/03/2025 13:00:00	1-hour	51.2	70.2	53.9	46.3
10/03/2025 14:00:00	1-hour	52.8	74.6	55.1	47.9
10/03/2025 15:00:00	1-hour	53.5	68.4	55.9	49.1
10/03/2025 16:00:00	1-hour	54.9	80.0	56.2	48.8
10/03/2025 17:00:00	1-hour	52.8	81.7	55.2	47.2
10/03/2025 18:00:00	1-hour	50.3	65.5	53.4	45.7
Over survey period		**53.2**	***81.7**	**55.1**	**47.3**

*Maximum over survey period

Table A3.11: Eastern Site Boundary Monday 10/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
10/03/2025 19:00:00	1-hour	49.1	65.6	52.2	44.3
10/03/2025 20:00:00	1-hour	48.1	63.9	51.5	42.5
10/03/2025 21:00:00	1-hour	46.1	66.5	49.0	40.8
10/03/2025 22:00:00	1-hour	44.5	60.2	47.5	39.8
Over survey period		**47.3**	***66.5**	**50.1**	**41.9**

*Maximum over survey period

Table A3.12: Eastern Site Boundary Monday 10/03/2025 – Tuesday 11/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
10/03/2025 23:00:00	1-hour	42.6	60.9	43.8	39.6
11/03/2025 00:00:00	1-hour	40.1	57.8	41.4	37.3
11/03/2025 01:00:00	1-hour	38.4	55.4	39.7	35.0
11/03/2025 02:00:00	1-hour	39.0	59.0	39.4	34.5
11/03/2025 03:00:00	1-hour	38.8	59.5	39.6	34.5
11/03/2025 04:00:00	1-hour	38.2	58.2	38.7	35.1
11/03/2025 05:00:00	1-hour	49.4	70.1	52.6	38.7
11/03/2025 06:00:00	1-hour	51.0	71.0	54.0	44.5
Over survey period		**45.3**	***71.0**	**43.7**	**37.4**

*Maximum over survey period

Table A3.13: Eastern Site Boundary Tuesday 11/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
11/03/2025 07:00:00	1-hour	53.7	69.4	56.3	47.3
11/03/2025 08:00:00	1-hour	53.3	68.9	55.9	48.2
11/03/2025 09:00:00	1-hour	52.2	69.8	54.8	46.0
11/03/2025 10:00:00	1-hour	51.2	67.8	54.3	43.7
11/03/2025 11:00:00	1-hour	51.4	71.1	54.8	43.9
11/03/2025 12:00:00	1-hour	50.4	69.7	53.6	42.2
11/03/2025 13:00:00	1-hour	51.8	66.9	54.8	45.4
11/03/2025 14:00:00	1-hour	51.6	68.3	54.1	46.3
11/03/2025 15:00:00	1-hour	56.2	72.3	59.5	48.0
11/03/2025 16:00:00	1-hour	52.9	76.5	55.0	46.6
11/03/2025 17:00:00	1-hour	52.2	70.6	55.1	45.0
11/03/2025 18:00:00	1-hour	50.4	70.7	52.9	44.8
Over survey period		**52.6**	***76.5**	**55.1**	**45.6**

*Maximum over survey period

Table A3.14: Eastern Site Boundary Tuesday 11/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
11/03/2025 19:00:00	1-hour	48.6	68.3	51.6	43.6
11/03/2025 20:00:00	1-hour	47.1	64.0	50.3	40.8
11/03/2025 21:00:00	1-hour	46.0	64.7	48.9	40.7
11/03/2025 22:00:00	1-hour	44.9	63.0	47.2	40.2
Over survey period		**46.9**	***68.3**	**49.5**	**41.3**

*Maximum over survey period

Table A3.15: Eastern Site Bry. Tuesday 11/03/2025 – Wednesday 12/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
11/03/2025 23:00:00	1-hour	43.8	56.8	45.9	40.5
12/03/2025 00:00:00	1-hour	43.2	61.2	44.6	39.2
12/03/2025 01:00:00	1-hour	40.2	57.2	41.8	37.3
12/03/2025 02:00:00	1-hour	41.5	64.0	39.2	35.4
12/03/2025 03:00:00	1-hour	36.9	56.0	37.1	33.8
12/03/2025 04:00:00	1-hour	38.2	56.4	38.2	34.7
12/03/2025 05:00:00	1-hour	48.4	68.2	50.7	37.9
12/03/2025 06:00:00	1-hour	50.0	67.0	53.7	42.9
Over survey period		**45.0**	***68.2**	**43.9**	**37.7**

*Maximum over survey period

Table A3.16: Eastern Site Boundary Wednesday 12/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
12/03/2025 07:00:00	1-hour	52.6	69.0	55.4	46.1
12/03/2025 08:00:00	1-hour	53.0	68.5	55.6	48.0
12/03/2025 09:00:00	1-hour	52.6	74.8	55.6	46.6
12/03/2025 10:00:00	1-hour	52.7	65.8	55.5	47.6
12/03/2025 11:00:00	1-hour	52.8	72.6	55.3	47.1
12/03/2025 12:00:00	1-hour	51.7	70.4	54.5	45.7
12/03/2025 13:00:00	1-hour	52.7	68.8	55.7	46.7
12/03/2025 14:00:00	1-hour	53.5	68.9	56.2	47.9
12/03/2025 15:00:00	1-hour	55.2	83.8	57.2	49.3
12/03/2025 16:00:00	1-hour	54.4	68.4	57.1	48.6
12/03/2025 17:00:00	1-hour	53.9	70.4	56.7	47.6
12/03/2025 18:00:00	1-hour	52.7	77.7	55.3	45.8
Over survey period		**53.3**	***83.8**	**55.8**	**47.3**

*Maximum over survey period

Table A3.17: Eastern Site Boundary Wednesday 12/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
12/03/2025 19:00:00	1-hour	49.6	62.0	53.2	41.7
12/03/2025 20:00:00	1-hour	48.3	67.5	52.1	40.0
12/03/2025 21:00:00	1-hour	46.6	67.1	50.4	39.2
12/03/2025 22:00:00	1-hour	45.0	63.1	48.6	38.6
Over survey period		**47.7**	***67.5**	**51.1**	**39.9**

*Maximum over survey period

Table A3.18: Eastern Site Bry. Wednesday 12/03/2025 – Thursday 13/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
12/03/2025 23:00:00	1-hour	41.5	61.5	42.4	37.5
13/03/2025 00:00:00	1-hour	39.9	60.2	40.0	35.5
13/03/2025 01:00:00	1-hour	39.2	62.0	37.6	34.7
13/03/2025 02:00:00	1-hour	37.0	57.3	37.6	33.8
13/03/2025 03:00:00	1-hour	40.5	63.7	40.2	34.7
13/03/2025 04:00:00	1-hour	40.1	56.0	42.4	36.5
13/03/2025 05:00:00	1-hour	47.3	65.4	50.5	39.6
13/03/2025 06:00:00	1-hour	50.2	71.4	53.4	43.7
Over survey period		**44.3**	***71.4**	**43.0**	**37.0**

*Maximum over survey period

Table A3.19: Eastern Site Boundary Thursday 13/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
13/03/2025 07:00:00	1-hour	53.5	74.7	56.5	47.0
13/03/2025 08:00:00	1-hour	54.3	79.6	56.2	47.7
13/03/2025 09:00:00	1-hour	51.8	72.5	54.6	46.0
13/03/2025 10:00:00	1-hour	51.6	73.3	54.4	44.4
13/03/2025 11:00:00	1-hour	52.1	72.6	54.7	44.5
13/03/2025 12:00:00	1-hour	51.5	73.3	54.1	44.0
13/03/2025 13:00:00	1-hour	51.6	70.4	54.6	44.7
13/03/2025 14:00:00	1-hour	51.8	69.2	54.7	45.3
13/03/2025 15:00:00	1-hour	52.4	65.8	55.1	46.4
13/03/2025 16:00:00	1-hour	54.9	71.5	57.3	47.5
13/03/2025 17:00:00	1-hour	52.5	71.6	55.3	44.0
13/03/2025 18:00:00	1-hour	50.7	74.9	53.4	41.5
Over survey period		**52.6**	***79.6**	**55.1**	**45.3**

*Maximum over survey period

Table A3.20: Eastern Site Boundary Thursday 13/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
13/03/2025 19:00:00	1-hour	49.7	73.1	51.2	38.1
13/03/2025 20:00:00	1-hour	45.6	57.3	49.9	36.8
13/03/2025 21:00:00	1-hour	44.9	68.2	49.2	33.3
13/03/2025 22:00:00	1-hour	45.8	64.6	48.3	40.6
Over survey period		**47.0**	***73.1**	**49.7**	**37.2**

*Maximum over survey period

Table A3.21: Eastern Site Boundary Thursday 13/03/2025 – Friday 14/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
13/03/2025 23:00:00	1-hour	39.7	61.1	42.5	32.1
14/03/2025 00:00:00	1-hour	39.0	63.6	38.4	32.2
14/03/2025 01:00:00	1-hour	38.2	61.5	37.7	32.5
14/03/2025 02:00:00	1-hour	36.2	56.5	36.7	32.4
14/03/2025 03:00:00	1-hour	36.2	56.6	36.8	32.1
14/03/2025 04:00:00	1-hour	39.3	57.5	40.6	34.9
14/03/2025 05:00:00	1-hour	47.6	67.8	51.6	39.7
14/03/2025 06:00:00	1-hour	50.9	69.9	53.9	44.6
Over survey period		**44.4**	***69.9**	**42.3**	**35.1**

*Maximum over survey period

APPENDIX 4: Southern Site Boundary

Table A4.1: Southern Site Boundary Friday 07/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
07/03/2025 13:00:00	1-hour	51.8	78.6	51.0	46.8
07/03/2025 14:00:00	1-hour	52.3	67.9	54.2	48.6
07/03/2025 15:00:00	1-hour	52.7	70.0	54.7	48.7
07/03/2025 16:00:00	1-hour	52.8	69.5	55.4	46.9
07/03/2025 17:00:00	1-hour	47.9	69.4	50.3	41.4
07/03/2025 18:00:00	1-hour	51.5	77.4	54.4	40.7
07/03/2025 19:00:00	1-hour	51.8	78.6	51.0	46.8
Over survey period		**51.8**	***78.6**	**53.3**	**45.5**

*Maximum over survey period

Table A4.2: Southern Site Boundary Friday 07/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
07/03/2025 19:00:00	1-hour	52.0	61.3	54.2	48.1
07/03/2025 20:00:00	1-hour	48.3	61.6	51.3	41.0
07/03/2025 21:00:00	1-hour	41.2	57.6	43.1	37.1
07/03/2025 22:00:00	1-hour	43.9	60.5	45.7	40.3
Over survey period		**48.2**	***61.6**	**48.6**	**41.6**

*Maximum over survey period

Table A4.3: Southern Site Boundary Friday 07/03/2025 – Saturday 08/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
07/03/2025 23:00:00	1-hour	45.6	53.9	47.5	43.2
08/03/2025 00:00:00	1-hour	44.3	60.6	46.5	41.1
08/03/2025 01:00:00	1-hour	44.4	54.8	46.9	39.9
08/03/2024 02:00:00	1-hour	44.9	56.4	47.8	40.4
08/03/2025 03:00:00	1-hour	43.4	56.0	47.7	37.5
08/03/2025 04:00:00	1-hour	39.6	53.6	41.8	36.3
08/03/2025 05:00:00	1-hour	44.4	64.8	45.5	39.5
08/03/2025 06:00:00	1-hour	42.9	70.6	44.8	37.4
Over survey period		**44.0**	***70.6**	**46.1**	**39.4**

*Maximum over survey period

Table A4.4: Southern Site Boundary Saturday 08/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
08/03/2025 07:00:00	1-hour	46.4	67.7	47.6	39.3
08/03/2025 08:00:00	1-hour	45.6	69.5	46.3	38.9
08/03/2025 09:00:00	1-hour	45.3	65.3	46.5	38.1
08/03/2025 10:00:00	1-hour	48.7	75.7	46.9	41.6
08/03/2025 11:00:00	1-hour	46.5	72.4	47.6	42.6
08/03/2025 12:00:00	1-hour	46.8	75.3	47.3	43.4
08/03/2025 13:00:00	1-hour	47.6	73.2	48.1	43.6
08/03/2025 14:00:00	1-hour	44.5	58.3	46.0	42.4
08/03/2025 15:00:00	1-hour	47.3	57.9	49.5	43.6
08/03/2025 16:00:00	1-hour	45.8	62.4	47.1	43.4
08/03/2025 17:00:00	1-hour	47.0	62.1	48.4	45.0
08/03/2025 18:00:00	1-hour	47.9	72.0	48.9	45.2
Over survey period		**46.8**	***75.7**	**47.5**	**42.3**

*Maximum over survey period

Table A4.5: Southern Site Boundary Saturday 08/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
08/03/2025 19:00:00	1-hour	47.1	62.2	48.6	45.1
08/03/2025 20:00:00	1-hour	45.1	56.8	46.5	43.1
08/03/2025 21:00:00	1-hour	44.5	66.0	45.8	39.8
08/03/2025 22:00:00	1-hour	42.2	61.1	43.0	38.2
Over survey period		**45.1**	***66.0**	**46.0**	**41.6**

Table A4.6: Southern Site Boundary Saturday 08/03/2025 – Sunday 09/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
08/03/2025 23:00:00	1-hour	40.7	50.2	43.3	36.9
09/03/2025 00:00:00	1-hour	41.2	55.5	42.9	38.6
09/03/2025 01:00:00	1-hour	39.6	56.1	41.5	36.6
09/03/2025 02:00:00	1-hour	38.0	63.8	38.9	34.0
09/03/2025 03:00:00	1-hour	38.1	57.3	39.6	34.1
09/03/2025 04:00:00	1-hour	39.1	52.1	41.1	36.0
09/03/2025 05:00:00	1-hour	43.3	66.2	44.4	39.1
09/03/2025 06:00:00	1-hour	47.1	75.1	45.3	40.3
Over survey period		**42.0**	***75.1**	**42.1**	**37.0**

*Maximum over survey period

Table A4.7: Southern Site Boundary Sunday 09/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
09/03/2025 07:00:00	1-hour	45.6	71.2	45.2	40.9
09/03/2025 08:00:00	1-hour	46.7	71.2	45.9	40.2
09/03/2025 09:00:00	1-hour	44.4	67.4	45.0	40.1
09/03/2025 10:00:00	1-hour	44.7	64.1	45.3	42.0
09/03/2025 11:00:00	1-hour	43.9	67.4	44.1	39.5
09/03/2025 12:00:00	1-hour	41.1	60.2	41.2	38.2
09/03/2025 13:00:00	1-hour	43.3	80.7	40.3	36.7
09/03/2025 14:00:00	1-hour	40.3	64.5	40.6	36.5
09/03/2025 15:00:00	1-hour	42.8	66.1	41.5	35.9
09/03/2025 16:00:00	1-hour	40.7	65.1	40.9	35.2
09/03/2025 17:00:00	1-hour	40.0	58.9	41.7	36.6
09/03/2025 18:00:00	1-hour	43.8	73.3	43.8	37.7
Over survey period		**43.6**	***80.7**	**43.0**	**38.3**

*Maximum over survey period

Table A4.8: Southern Site Boundary Sunday 09/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
09/03/2025 19:00:00	1-hour	43.1	53.5	44.5	40.7
09/03/2025 20:00:00	1-hour	44.9	51.8	46.2	43.2
09/03/2025 21:00:00	1-hour	42.4	54.9	44.0	39.7
09/03/2025 22:00:00	1-hour	41.3	57.6	43.6	34.7
Over survey period		**43.1**	***57.6**	**44.6**	**39.6**

*Maximum over survey period

Table A4.9: Southern Site Boundary Sunday 09/03/2025 – Monday 10/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
09/03/2025 23:00:00	1-hour	35.8	46.1	38.2	32.5
10/03/2025 00:00:00	1-hour	37.2	53.7	38.8	32.6
10/03/2025 01:00:00	1-hour	38.0	62.1	39.4	34.8
10/03/2025 02:00:00	1-hour	35.5	45.4	37.7	32.4
10/03/2025 03:00:00	1-hour	39.7	50.9	41.5	37.0
10/03/2025 04:00:00	1-hour	40.7	49.2	42.4	38.4
10/03/2025 05:00:00	1-hour	48.6	70.3	48.3	42.0
10/03/2025 06:00:00	1-hour	50.1	78.9	50.4	47.0
Over survey period		**44.3**	***78.9**	**42.1**	**37.1**

*Maximum over survey period

Table A4.10: Southern Site Boundary Monday 10/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
10/03/2025 07:00:00	1-hour	50.7	70.4	51.7	46.7
10/03/2025 08:00:00	1-hour	47.7	70.2	48.7	43.6
10/03/2025 09:00:00	1-hour	47.1	68.2	49.5	39.9
10/03/2025 10:00:00	1-hour	42.8	61.8	44.3	39.1
10/03/2025 11:00:00	1-hour	43.0	62.7	45.2	38.6
10/03/2025 12:00:00	1-hour	43.7	64.5	45.3	39.4
10/03/2025 13:00:00	1-hour	46.4	62.0	48.8	42.5
10/03/2025 14:00:00	1-hour	47.8	68.5	49.9	43.7
10/03/2025 15:00:00	1-hour	48.5	72.0	50.3	44.6
10/03/2025 16:00:00	1-hour	50.7	77.0	49.3	43.1
10/03/2025 17:00:00	1-hour	47.9	85.7	47.3	42.7
10/03/2025 18:00:00	1-hour	47.3	74.0	46.4	40.9
Over survey period		**47.6**	***85.7**	**48.1**	**42.1**

*Maximum over survey period

Table A4.11: Southern Site Boundary Monday 10/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
10/03/2025 19:00:00	1-hour	43.2	63.7	44.9	39.4
10/03/2025 20:00:00	1-hour	40.5	58.0	41.8	37.7
10/03/2025 21:00:00	1-hour	38.6	50.2	40.2	36.6
10/03/2025 22:00:00	1-hour	40.1	62.2	39.9	36.0
Over survey period		**40.9**	***63.7**	**41.7**	**37.4**

*Maximum over survey period

Table A4.12: Southern Site Bry. Monday 10/03/2025 – Tuesday 11/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
10/03/2025 23:00:00	1-hour	38.0	54.9	39.0	36.1
11/03/2025 00:00:00	1-hour	37.0	48.0	38.7	34.8
11/03/2025 01:00:00	1-hour	34.9	52.1	36.7	31.5
11/03/2025 02:00:00	1-hour	33.5	52.0	34.7	31.1
11/03/2025 03:00:00	1-hour	38.1	59.9	36.2	31.4
11/03/2025 04:00:00	1-hour	34.5	54.6	34.8	31.3
11/03/2025 05:00:00	1-hour	43.9	70.2	40.7	34.0
11/03/2025 06:00:00	1-hour	41.6	59.5	42.6	39.3
Over survey period		**39.1**	***70.2**	**37.9**	**33.7**

*Maximum over survey period

Table A4.13: Southern Site Boundary Tuesday 11/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
11/03/2025 07:00:00	1-hour	46.4	70.9	45.6	40.1
11/03/2025 08:00:00	1-hour	58.4	90.4	48.8	42.8
11/03/2025 09:00:00	1-hour	53.3	80.3	50.6	44.2
11/03/2025 10:00:00	1-hour	48.2	69.6	49.5	42.6
11/03/2025 11:00:00	1-hour	53.2	85.6	48.6	38.9
11/03/2025 12:00:00	1-hour	42.0	58.8	45.1	37.0
11/03/2025 13:00:00	1-hour	44.5	64.0	46.2	41.3
11/03/2025 14:00:00	1-hour	44.9	70.7	46.6	41.1
11/03/2025 15:00:00	1-hour	44.5	62.0	46.4	40.5
11/03/2025 16:00:00	1-hour	43.7	73.1	44.9	39.8
11/03/2025 17:00:00	1-hour	45.3	69.6	47.0	42.1
11/03/2025 18:00:00	1-hour	48.6	74.6	49.4	45.8
Over survey period		**50.8**	***90.4**	**47.4**	**41.4**

*Maximum over survey period

Table A4.14: Southern Site Boundary Tuesday 11/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
11/03/2025 19:00:00	1-hour	46.4	61.6	48.0	44.0
11/03/2025 20:00:00	1-hour	44.8	59.8	46.6	42.3
11/03/2025 21:00:00	1-hour	44.0	59.2	45.4	41.6
11/03/2025 22:00:00	1-hour	41.9	51.8	43.6	39.6
Over survey period		**44.6**	***61.6**	**45.9**	**41.9**

*Maximum over survey period

Table A4.15: Southern Site Bry. Tuesday 11/03/2025 – Wednesday 12/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
11/03/2025 23:00:00	1-hour	42.7	52.5	45.0	39.4
12/03/2025 00:00:00	1-hour	42.6	53.1	44.9	38.7
12/03/2025 01:00:00	1-hour	40.5	52.9	42.7	36.8
12/03/2025 02:00:00	1-hour	36.4	51.3	38.3	33.5
12/03/2025 03:00:00	1-hour	34.7	54.6	35.7	31.5
12/03/2025 04:00:00	1-hour	35.3	60.1	35.1	31.1
12/03/2025 05:00:00	1-hour	41.5	67.8	38.4	34.3
12/03/2025 06:00:00	1-hour	42.9	61.2	44.7	39.0
Over survey period		**40.6**	***67.8**	**40.6**	**35.5**

*Maximum over survey period

Table A4.16: Southern Site Boundary Wednesday 12/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
12/03/2025 07:00:00	1-hour	45.1	60.8	47.0	41.6
12/03/2025 08:00:00	1-hour	44.9	65.7	46.3	41.7
12/03/2025 09:00:00	1-hour	45.4	64.4	46.8	42.3
12/03/2025 10:00:00	1-hour	45.0	64.9	46.1	41.3
12/03/2025 11:00:00	1-hour	44.8	67.5	46.5	41.6
12/03/2025 12:00:00	1-hour	45.9	65.8	48.6	40.4
12/03/2025 13:00:00	1-hour	47.2	69.8	49.1	41.1
12/03/2025 14:00:00	1-hour	51.3	78.1	52.1	41.9
12/03/2025 15:00:00	1-hour	48.4	71.8	50.1	43.5
12/03/2025 16:00:00	1-hour	45.0	59.4	46.7	41.8
12/03/2025 17:00:00	1-hour	42.7	62.8	44.1	39.7
12/03/2025 18:00:00	1-hour	49.0	86.2	46.3	39.1
Over survey period		**46.9**	***86.2**	**47.5**	**41.3**

*Maximum over survey period

Table A4.17: Southern Site Boundary Wednesday 12/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
12/03/2025 19:00:00	1-hour	41.9	61.0	41.7	36.6
12/03/2025 20:00:00	1-hour	38.1	48.8	39.3	36.1
12/03/2025 21:00:00	1-hour	38.9	57.7	39.6	36.8
12/03/2025 22:00:00	1-hour	38.1	51.0	39.2	36.4
Over survey period		**39.6**	***61.0**	**40.0**	**36.5**

*Maximum over survey period

Table A4.18: Southern Site Bry. Wednesday 12/03/2025 – Thursday 13/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
12/03/2025 23:00:00	1-hour	37.2	50.0	38.3	35.4
13/03/2025 00:00:00	1-hour	35.4	50.7	36.6	33.4
13/03/2025 01:00:00	1-hour	34.2	45.4	35.5	32.6
13/03/2025 02:00:00	1-hour	33.3	47.1	35.3	30.1
13/03/2025 03:00:00	1-hour	37.5	60.4	35.5	31.7
13/03/2025 04:00:00	1-hour	36.3	57.3	36.9	34.4
13/03/2025 05:00:00	1-hour	43.4	69.8	42.1	37.6
13/03/2025 06:00:00	1-hour	43.1	59.9	44.5	40.6
Over survey period		**39.1**	***69.8**	**38.1**	**34.5**

*Maximum over survey period

Table A4.19: Southern Site Boundary Thursday 13/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
13/03/2025 07:00:00	1-hour	45.8	66.8	45.9	42.3
13/03/2025 08:00:00	1-hour	46.3	62.3	48.3	43.0
13/03/2025 09:00:00	1-hour	44.7	60.6	46.1	41.1
13/03/2025 10:00:00	1-hour	44.4	71.0	43.6	39.3
13/03/2025 11:00:00	1-hour	42.8	64.1	44.2	38.3
13/03/2025 12:00:00	1-hour	41.8	63.4	43.4	38.2
13/03/2025 13:00:00	1-hour	45.0	67.2	46.7	38.9
13/03/2025 14:00:00	1-hour	44.8	68.2	44.5	39.4
13/03/2025 15:00:00	1-hour	46.1	68.8	47.6	41.0
13/03/2025 16:00:00	1-hour	49.1	77.0	51.3	43.9
13/03/2025 17:00:00	1-hour	42.5	60.4	45.3	36.0
13/03/2025 18:00:00	1-hour	43.9	80.2	39.7	34.8
Over survey period		**45.2**	***80.2**	**45.6**	**39.7**

*Maximum over survey period

Table A4.20: Southern Site Boundary Thursday 13/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
13/03/2025 19:00:00	1-hour	43.0	69.1	37.2	31.8
13/03/2025 20:00:00	1-hour	34.2	53.0	35.4	29.4
13/03/2025 21:00:00	1-hour	33.7	56.1	34.2	28.9
13/03/2025 22:00:00	1-hour	38.0	49.9	40.1	35.0
Over survey period		**38.9**	***69.1**	**36.7**	**31.2**

*Maximum over survey period

Table A4.21: Southern Site Boundary Thursday 13/03/2025 – Friday 14/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
13/03/2025 23:00:00	1-hour	34.7	45.1	36.8	31.7
14/03/2025 00:00:00	1-hour	36.3	47.6	39.1	32.2
14/03/2025 01:00:00	1-hour	35.5	45.1	37.9	31.7
14/03/2025 02:00:00	1-hour	35.0	52.6	37.2	31.7
14/03/2025 03:00:00	1-hour	34.0	51.9	36.0	30.6
14/03/2025 04:00:00	1-hour	35.8	53.7	37.6	30.9
14/03/2025 05:00:00	1-hour	44.5	70.2	43.9	34.6
14/03/2025 06:00:00	1-hour	41.5	66.3	42.2	37.3
Over survey period		**38.9**	***70.2**	**38.8**	**32.6**

*Maximum over survey period

APPENDIX 5: Western Site Boundary

Table A5.1: Western Site Boundary Friday 07/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
07/03/2025 13:00:00	1-hour	48.6	75.4	47.8	43.6
07/03/2025 14:00:00	1-hour	48.7	64.3	50.6	45.0
07/03/2025 15:00:00	1-hour	48.9	66.2	50.9	44.9
07/03/2025 16:00:00	1-hour	49.4	66.1	52.0	43.5
07/03/2025 17:00:00	1-hour	44.6	66.1	47.0	38.1
07/03/2025 18:00:00	1-hour	48.5	74.4	51.4	37.7
07/03/2025 19:00:00	1-hour	48.6	75.4	47.8	43.6
Over survey period		**48.4**	***75.4**	**50.0**	**42.1**

*Maximum over survey period

Table A5.2: Western Site Boundary Friday 07/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
07/03/2025 19:00:00	1-hour	49.2	58.5	51.4	45.3
07/03/2025 20:00:00	1-hour	46.0	59.3	49.0	38.7
07/03/2025 21:00:00	1-hour	38.5	54.9	40.4	34.4
07/03/2025 22:00:00	1-hour	40.7	57.3	42.5	37.1
Over survey period		**45.5**	***59.3**	**45.8**	**38.9**

*Maximum over survey period

Table A5.3: Western Site Boundary Friday 07/03/2025 – Saturday 08/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
07/03/2025 23:00:00	1-hour	42.0	50.3	43.9	39.6
08/03/2025 00:00:00	1-hour	40.5	56.8	42.7	37.3
08/03/2025 01:00:00	1-hour	41.0	51.4	43.5	36.5
08/03/2024 02:00:00	1-hour	41.6	53.1	44.5	37.1
08/03/2025 03:00:00	1-hour	40.4	53.0	44.7	34.5
08/03/2025 04:00:00	1-hour	36.8	50.8	39.0	33.5
08/03/2025 05:00:00	1-hour	42.1	62.5	43.2	37.2
08/03/2025 06:00:00	1-hour	40.2	67.9	42.1	34.7
Over survey period		**40.8**	***67.9**	**43.0**	**36.3**

*Maximum over survey period

Table A5.4: Western Site Boundary Saturday 08/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
08/03/2025 07:00:00	1-hour	43.2	64.5	44.4	36.1
08/03/2025 08:00:00	1-hour	42.0	65.9	42.7	35.3
08/03/2025 09:00:00	1-hour	41.5	61.5	42.7	34.3
08/03/2025 10:00:00	1-hour	45.3	72.3	43.5	38.2
08/03/2025 11:00:00	1-hour	43.2	69.1	44.3	39.3
08/03/2025 12:00:00	1-hour	43.8	72.3	44.3	40.4
08/03/2025 13:00:00	1-hour	44.8	70.4	45.3	40.8
08/03/2025 14:00:00	1-hour	42.2	56.0	43.7	40.1
08/03/2025 15:00:00	1-hour	44.6	55.2	46.8	40.9
08/03/2025 16:00:00	1-hour	42.6	59.2	43.9	40.2
08/03/2025 17:00:00	1-hour	43.4	58.5	44.8	41.4
08/03/2025 18:00:00	1-hour	44.1	68.2	45.1	41.4
Over survey period		**43.5**	***72.3**	**44.3**	**39.0**

*Maximum over survey period

Table A5.5: Western Site Boundary Saturday 08/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
08/03/2025 19:00:00	1-hour	43.7	58.8	45.2	41.7
08/03/2025 20:00:00	1-hour	41.8	53.5	43.2	39.8
08/03/2025 21:00:00	1-hour	41.5	63.0	42.8	36.8
08/03/2025 22:00:00	1-hour	39.4	58.3	40.2	35.4
Over survey period		**41.9**	***63.0**	**42.9**	**38.4**

Table A5.6: Western Site Boundary Saturday 08/03/2025 – Sunday 09/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
08/03/2025 23:00:00	1-hour	38.4	47.9	41.0	34.6
09/03/2025 00:00:00	1-hour	38.5	52.8	40.2	35.9
09/03/2025 01:00:00	1-hour	36.4	52.9	38.3	33.4
09/03/2025 02:00:00	1-hour	34.4	60.2	35.3	30.4
09/03/2025 03:00:00	1-hour	34.3	53.5	35.8	30.3
09/03/2025 04:00:00	1-hour	35.7	48.7	37.7	32.6
09/03/2025 05:00:00	1-hour	40.0	62.9	41.1	35.8
09/03/2025 06:00:00	1-hour	44.1	72.1	42.3	37.3
Over survey period		**39.0**	***72.1**	**39.0**	**33.8**

*Maximum over survey period

Table A5.7: Western Site Boundary Sunday 09/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
09/03/2025 07:00:00	1-hour	42.8	68.4	42.4	38.1
09/03/2025 08:00:00	1-hour	44.4	68.9	43.6	37.9
09/03/2025 09:00:00	1-hour	41.7	64.7	42.3	37.4
09/03/2025 10:00:00	1-hour	41.5	60.9	42.1	38.8
09/03/2025 11:00:00	1-hour	40.3	63.8	40.5	35.9
09/03/2025 12:00:00	1-hour	37.3	56.4	37.4	34.4
09/03/2025 13:00:00	1-hour	39.9	77.3	36.9	33.3
09/03/2025 14:00:00	1-hour	37.0	61.2	37.3	33.2
09/03/2025 15:00:00	1-hour	39.8	63.1	38.5	32.9
09/03/2025 16:00:00	1-hour	37.9	62.3	38.1	32.4
09/03/2025 17:00:00	1-hour	37.7	56.6	39.4	34.3
09/03/2025 18:00:00	1-hour	41.1	70.6	41.1	35.0
Over survey period		**40.7**	***77.3**	**40.0**	**35.3**

*Maximum over survey period

Table A5.8: Western Site Boundary Sunday 09/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
09/03/2025 19:00:00	1-hour	39.9	50.3	41.3	37.5
09/03/2025 20:00:00	1-hour	41.3	48.2	42.6	39.6
09/03/2025 21:00:00	1-hour	38.6	51.1	40.2	35.9
09/03/2025 22:00:00	1-hour	37.9	54.2	40.2	31.3
Over survey period		**39.6**	***54.2**	**41.1**	**36.1**

*Maximum over survey period

Table A5.9: Western Site Boundary Sunday 09/03/2025 – Monday 10/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
09/03/2025 23:00:00	1-hour	32.5	42.8	34.9	29.2
10/03/2025 00:00:00	1-hour	34.2	50.7	35.8	29.6
10/03/2025 01:00:00	1-hour	35.2	59.3	36.6	32.0
10/03/2025 02:00:00	1-hour	33.2	43.1	35.4	30.1
10/03/2025 03:00:00	1-hour	37.0	48.2	38.8	34.3
10/03/2025 04:00:00	1-hour	37.5	46.0	39.2	35.2
10/03/2025 05:00:00	1-hour	45.0	66.7	44.7	38.4
10/03/2025 06:00:00	1-hour	46.3	75.1	46.6	43.2
Over survey period		**40.7**	***75.1**	**39.0**	**34.0**

*Maximum over survey period

Table A5.10: Western Site Boundary Monday 10/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
10/03/2025 07:00:00	1-hour	47.3	67.0	48.3	43.3
10/03/2025 08:00:00	1-hour	44.4	66.9	45.4	40.3
10/03/2025 09:00:00	1-hour	44.1	65.2	46.5	36.9
10/03/2025 10:00:00	1-hour	40.0	59.0	41.5	36.3
10/03/2025 11:00:00	1-hour	40.7	60.4	42.9	36.3
10/03/2025 12:00:00	1-hour	41.0	61.8	42.6	36.7
10/03/2025 13:00:00	1-hour	43.2	58.8	45.6	39.3
10/03/2025 14:00:00	1-hour	44.2	64.9	46.3	40.1
10/03/2025 15:00:00	1-hour	44.7	68.2	46.5	40.8
10/03/2025 16:00:00	1-hour	47.3	73.6	45.9	39.7
10/03/2025 17:00:00	1-hour	44.6	82.4	44.0	39.4
10/03/2025 18:00:00	1-hour	44.3	71.0	43.4	37.9
Over survey period		**44.4**	***82.4**	**44.9**	**38.9**

*Maximum over survey period

Table A5.11: Western Site Boundary Monday 10/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
10/03/2025 19:00:00	1-hour	40.4	60.9	42.1	36.6
10/03/2025 20:00:00	1-hour	38.2	55.7	39.5	35.4
10/03/2025 21:00:00	1-hour	35.9	47.5	37.5	33.9
10/03/2025 22:00:00	1-hour	36.9	59.0	36.7	32.8
Over survey period		**38.2**	***60.9**	**39.0**	**34.7**

*Maximum over survey period

Table A5.12: Western Site Bry. Monday 10/03/2025 – Tuesday 11/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
10/03/2025 23:00:00	1-hour	34.4	51.3	35.4	32.5
11/03/2025 00:00:00	1-hour	33.2	44.2	34.9	31.0
11/03/2025 01:00:00	1-hour	31.5	48.7	33.3	28.1
11/03/2025 02:00:00	1-hour	30.2	48.7	31.4	27.8
11/03/2025 03:00:00	1-hour	35.1	56.9	33.2	28.4
11/03/2025 04:00:00	1-hour	31.7	51.8	32.0	28.5
11/03/2025 05:00:00	1-hour	41.6	67.9	38.4	31.7
11/03/2025 06:00:00	1-hour	38.9	56.8	39.9	36.6
Over survey period		**36.3**	***67.9**	**34.8**	**30.6**

*Maximum over survey period

Table A5.13: Western Site Boundary Tuesday 11/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
11/03/2025 07:00:00	1-hour	43.2	67.7	42.4	36.9
11/03/2025 08:00:00	1-hour	54.8	86.8	45.2	39.2
11/03/2025 09:00:00	1-hour	49.5	76.5	46.8	40.4
11/03/2025 10:00:00	1-hour	44.8	66.2	46.1	39.2
11/03/2025 11:00:00	1-hour	49.9	82.3	45.3	35.6
11/03/2025 12:00:00	1-hour	39.0	55.8	42.1	34.0
11/03/2025 13:00:00	1-hour	41.7	61.2	43.4	38.5
11/03/2025 14:00:00	1-hour	42.6	68.4	44.3	38.8
11/03/2025 15:00:00	1-hour	41.8	59.3	43.7	37.8
11/03/2025 16:00:00	1-hour	40.5	69.9	41.7	36.6
11/03/2025 17:00:00	1-hour	41.7	66.0	43.4	38.5
11/03/2025 18:00:00	1-hour	44.8	70.8	45.6	42.0
Over survey period		**47.4**	***86.8**	**44.2**	**38.1**

*Maximum over survey period

Table A5.14: Western Site Boundary Tuesday 11/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
11/03/2025 19:00:00	1-hour	43.0	58.2	44.6	40.6
11/03/2025 20:00:00	1-hour	41.5	56.5	43.3	39.0
11/03/2025 21:00:00	1-hour	41.0	56.2	42.4	38.6
11/03/2025 22:00:00	1-hour	39.1	49.0	40.8	36.8
Over survey period		**41.4**	***58.2**	**42.8**	**38.8**

*Maximum over survey period

Table A5.15: Western Site Bry. Tuesday 11/03/2025 – Wednesday 12/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
11/03/2025 23:00:00	1-hour	40.4	50.2	42.7	37.1
12/03/2025 00:00:00	1-hour	39.9	50.4	42.2	36.0
12/03/2025 01:00:00	1-hour	37.3	49.7	39.5	33.6
12/03/2025 02:00:00	1-hour	32.8	47.7	34.7	29.9
12/03/2025 03:00:00	1-hour	30.9	50.8	31.9	27.7
12/03/2025 04:00:00	1-hour	31.9	56.7	31.7	27.7
12/03/2025 05:00:00	1-hour	38.2	64.5	35.1	31.0
12/03/2025 06:00:00	1-hour	39.9	58.2	41.7	36.0
Over survey period		**37.7**	***64.5**	**37.4**	**32.4**

*Maximum over survey period

Table A5.16: Western Site Boundary Wednesday 12/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
12/03/2025 07:00:00	1-hour	42.3	58.0	44.2	38.8
12/03/2025 08:00:00	1-hour	42.6	63.4	44.0	39.4
12/03/2025 09:00:00	1-hour	42.7	61.7	44.1	39.6
12/03/2025 10:00:00	1-hour	41.8	61.7	42.9	38.1
12/03/2025 11:00:00	1-hour	41.2	63.9	42.9	38.0
12/03/2025 12:00:00	1-hour	42.1	62.0	44.8	36.6
12/03/2025 13:00:00	1-hour	43.8	66.4	45.7	37.7
12/03/2025 14:00:00	1-hour	48.0	74.8	48.8	38.6
12/03/2025 15:00:00	1-hour	45.4	68.8	47.1	40.5
12/03/2025 16:00:00	1-hour	42.2	56.6	43.9	39.0
12/03/2025 17:00:00	1-hour	40.4	60.5	41.8	37.4
12/03/2025 18:00:00	1-hour	46.3	83.5	43.6	36.4
Over survey period		**43.8**	***83.5**	**44.5**	**38.3**

*Maximum over survey period

Table A5.17: Western Site Boundary Wednesday 12/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
12/03/2025 19:00:00	1-hour	38.7	57.8	38.5	33.4
12/03/2025 20:00:00	1-hour	34.5	45.2	35.7	32.5
12/03/2025 21:00:00	1-hour	35.1	53.9	35.8	33.0
12/03/2025 22:00:00	1-hour	34.7	47.6	35.8	33.0
Over survey period		**36.1**	***57.8**	**36.5**	**33.0**

*Maximum over survey period

Table A5.18: Western Site Bry. Wednesday 12/03/2025 – Thursday 13/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
12/03/2025 23:00:00	1-hour	33.9	46.7	35.0	32.1
13/03/2025 00:00:00	1-hour	32.4	47.7	33.6	30.4
13/03/2025 01:00:00	1-hour	31.4	42.6	32.7	29.8
13/03/2025 02:00:00	1-hour	31.0	44.8	33.0	27.8
13/03/2025 03:00:00	1-hour	34.8	57.7	32.8	29.0
13/03/2025 04:00:00	1-hour	33.1	54.1	33.7	31.2
13/03/2025 05:00:00	1-hour	39.8	66.2	38.5	34.0
13/03/2025 06:00:00	1-hour	39.3	56.1	40.7	36.8
Over survey period		**35.7**	***66.2**	**35.0**	**31.4**

*Maximum over survey period

Table A5.19: Western Site Boundary Thursday 13/03/2025 Daytime period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
13/03/2025 07:00:00	1-hour	42.4	63.4	42.5	38.9
13/03/2025 08:00:00	1-hour	43.0	59.0	45.0	39.7
13/03/2025 09:00:00	1-hour	41.7	57.6	43.1	38.1
13/03/2025 10:00:00	1-hour	41.6	68.2	40.8	36.5
13/03/2025 11:00:00	1-hour	40.5	61.8	41.9	36.0
13/03/2025 12:00:00	1-hour	39.1	60.7	40.7	35.5
13/03/2025 13:00:00	1-hour	41.8	64.0	43.5	35.7
13/03/2025 14:00:00	1-hour	41.2	64.6	40.9	35.8
13/03/2025 15:00:00	1-hour	42.3	65.0	43.8	37.2
13/03/2025 16:00:00	1-hour	45.7	73.6	47.9	40.5
13/03/2025 17:00:00	1-hour	39.2	57.1	42.0	32.7
13/03/2025 18:00:00	1-hour	40.9	77.2	36.7	31.8
Over survey period		**42.0**	***77.2**	**42.4**	**36.5**

*Maximum over survey period

Table A5.20: Western Site Boundary Thursday 13/03/2025 Evening period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Daytime					
13/03/2025 19:00:00	1-hour	40.2	66.3	34.4	29.0
13/03/2025 20:00:00	1-hour	31.9	50.7	33.1	27.1
13/03/2025 21:00:00	1-hour	31.0	53.4	31.5	26.2
13/03/2025 22:00:00	1-hour	34.8	46.7	36.9	31.8
Over survey period		**36.1**	***66.3**	**34.0**	**28.5**

*Maximum over survey period

Table A5.21: Western Site Boundary Thursday 13/03/2025 – Friday 14/03/2025 Night-time period

Start time & date	Period (T)	dB $L_{Aeq,T}$	dB L_{AFmax}	dB $L_{A10,T}$	dB $L_{A90,T}$
Night-time					
13/03/2025 23:00:00	1-hour	31.1	41.5	33.2	28.1
14/03/2025 00:00:00	1-hour	32.5	43.8	35.3	28.4
14/03/2025 01:00:00	1-hour	32.1	41.7	34.5	28.3
14/03/2025 02:00:00	1-hour	31.7	49.3	33.9	28.4
14/03/2025 03:00:00	1-hour	31.0	48.9	33.0	27.6
14/03/2025 04:00:00	1-hour	33.0	50.9	34.8	28.1
14/03/2025 05:00:00	1-hour	42.2	67.9	41.6	32.3
14/03/2025 06:00:00	1-hour	38.8	63.6	39.5	34.6
Over survey period		**36.2**	***67.9**	**35.7**	**29.5**

*Maximum over survey period

APPENDIX 6: Noise Model Output

Appendix 7 – Weather Data

A7.1: Friday 07 March 2025

Time	Temperature °C	Wind speed m/s	Direction	Climate
1:20 PM	12.8	3.6	SSE	Partly Cloudy
1:50 PM	12.8	4.0	S	Partly Cloudy
2:20 PM	12.8	4.0	SE	Partly Cloudy
2:50 PM	12.8	4.0	SE	Partly Cloudy
3:20 PM	12.8	3.1	SE	Partly Cloudy
3:50 PM	12.8	3.6	SE	Partly Cloudy
4:20 PM	12.8	3.1	SE	Mostly Cloudy
4:50 PM	12.8	4.5	S	Mostly Cloudy
5:20 PM	12.8	4.0	SSE	Mostly Cloudy
5:50 PM	12.8	3.1	SSE	Mostly Cloudy
6:20 PM	12.8	3.1	SE	Partly Cloudy
6:50 PM	12.2	2.7	SE	Partly Cloudy
7:20 PM	12.2	2.2	ESE	Partly Cloudy
7:50 PM	12.2	2.2	ESE	Mostly Cloudy
8:20 PM	11.1	1.3	ESE	Mostly Cloudy
8:50 PM	12.2	3.1	SSE	Mostly Cloudy
9:20 PM	12.2	4.0	SSE	Mostly Cloudy
9:50 PM	12.2	3.6	S	Mostly Cloudy
10:20 PM	12.2	3.6	S	Mostly Cloudy
10:50 PM	12.2	3.1	SSE	Mostly Cloudy

A7.2: Saturday 08 March 2025

Time	Temperature °C	Wind speed m/s	Direction	Climate
7:20 AM	6.1	1.3	NE	Fair
7:50 AM	6.1	1.3	NE	Patches of Fog
8:20 AM	6.1	0.9	NE	Fair
8:50 AM	7.2	2.2	ENE	Fair
9:20 AM	7.8	2.7	E	Fair
9:50 AM	7.8	3.1	E	Fair
10:20 AM	8.9	2.7	E	Fair
10:50 AM	11.1	2.7	E	Fair
11:20 AM	12.2	3.6	E	Fair
11:50 AM	12.2	3.6	E	Fair
12:20 PM	13.9	4.0	ESE	Fair
12:50 PM	**13.9**	**5.4**	**E**	**Fair**

A7.3: Sunday 09 March 2025

Time	Temperature °C	Wind speed m/s	Direction	Climate
7:20 AM	6.1	3.1	NNE	Fair
7:50 AM	5.0	3.1	NNE	Fair
8:20 AM	6.1	2.7	NNE	Fair
8:50 AM	7.2	2.7	NNE	Fair
9:20 AM	7.2	3.6	NNE	Fair
9:50 AM	7.8	3.1	NE	Fair
10:20 AM	8.9	3.1	NE	Fair
10:50 AM	8.9	3.6	NE	Fair
11:20 AM	10.0	3.6	NE	Fair
11:50 AM	11.1	4.0	NNE	Fair
12:20 PM	11.1	3.6	NNE	Fair
12:50 PM	11.1	3.1	NE	Fair
1:20 PM	10.0	3.6	NE	Fair
1:50 PM	12.2	3.6	NE	Fair
2:20 PM	12.8	3.6	ENE	Fair
2:50 PM	12.2	3.1	NE	Fair
3:20 PM	12.2	3.1	NE	Fair
3:50 PM	12.2	2.7	ENE	Fair
4:20 PM	12.2	2.2	ENE	Fair
4:50 PM	12.8	2.7	NE	Fair
5:20 PM	12.8	3.1	NE	Fair
5:50 PM	12.8	2.7	NE	Fair
6:20 PM	12.2	2.7	NE	Fair
6:50 PM	10.0	2.2	NE	Fair
7:20 PM	10.0	3.1	NE	Fair
7:50 PM	10.0	3.1	NNE	Fair
8:20 PM	8.9	3.1	NNE	Fair
8:50 PM	7.8	3.1	NNE	Fair
9:20 PM	7.8	3.1	NNE	Fair
9:50 PM	7.2	0.9	VAR	Fair
10:20 PM	7.2	1.3	E	Fair
10:50 PM	6.1	2.2	NNE	Fair

A7.4: Monday 10 March 2025

Time	Temperature °C	Wind speed m/s	Direction	Climate
7:20 AM	5.0	2.7	N	Fair
7:50 AM	5.0	3.6	N	Fair
8:20 AM	5.0	3.6	N	Fair
8:50 AM	**6.1**	**5.4**	**N**	**Fair**
9:20 AM	6.1	3.6	N	Fair
9:50 AM	**5.0**	**6.7**	**NNE**	**Fair**
10:20 AM	**3.9**	**6.3**	**NNE**	**Patches of Fog**
10:50 AM	**3.9**	**7.2**	**NNE**	**Mist**
11:20 AM	**5.0**	**7.6**	**N**	**Mist**
11:50 AM	**6.1**	**6.7**	**N**	**Mist**
12:20 PM	**6.1**	**6.3**	**NNE**	**Haze**
12:50 PM	**7.2**	**6.3**	**NNE**	**Mostly Cloudy**
1:20 PM	**7.8**	**8.0**	**NNE**	**Mostly Cloudy**
1:50 PM	**8.9**	**8.0**	**NNE**	**Mostly Cloudy**
2:20 PM	**7.8**	**8.9**	**NNE**	**Mostly Cloudy**
2:50 PM	**7.8**	**10.3**	**N**	**Haze / Windy**
3:20 PM	**7.8**	**9.8**	**NNE**	**Haze / Windy**
3:50 PM	**7.2**	**10.3**	**NNE**	**Haze / Windy**
4:20 PM	**7.2**	**8.0**	**NNE**	**Mostly Cloudy**
4:50 PM	**6.1**	**10.3**	**NNE**	**Light Drizzle / Windy**
5:20 PM	**6.1**	**10.7**	**NNE**	**Light Drizzle / Windy**
5:50 PM	**5.0**	**9.4**	**NNE**	**Light Drizzle / Windy**
6:20 PM	**5.0**	**7.2**	**NNE**	**Mostly Cloudy**
6:50 PM	**5.0**	**7.2**	**NNE**	**Mostly Cloudy**
7:20 PM	**5.0**	**7.6**	**NNE**	**Mostly Cloudy**
7:50 PM	**5.0**	**6.7**	**NNE**	**Mostly Cloudy**
8:20 PM	**5.0**	**6.3**	**NNE**	**Mostly Cloudy**
8:50 PM	**3.9**	**6.3**	**NNE**	**Mostly Cloudy**
9:20 PM	**5.0**	**7.2**	**NNE**	**Mostly Cloudy**
9:50 PM	**3.9**	**6.7**	**NNE**	**Mostly Cloudy**
10:20 PM	**3.9**	**5.8**	**NNE**	**Fair**
10:50 PM	3.9	4.5	NNE	Partly Cloudy

A7.5: Tuesday 11 March 2025

Time	Temperature °C	Wind speed m/s	Direction	Climate
7:20 AM	0.0	4.5	N	Partly Cloudy
7:50 AM	-1.1	3.6	N	Partly Cloudy
8:20 AM	-1.1	4.5	N	Partly Cloudy
8:50 AM	**-2.2**	**6.3**	**N**	**Partly Cloudy**
9:20 AM	**-1.1**	**5.8**	**N**	**Fair**
9:50 AM	**-1.1**	**5.4**	**N**	**Fair**
10:20 AM	**0.0**	**5.8**	**N**	**Partly Cloudy**
10:50 AM	**0.0**	**6.3**	**N**	**Partly Cloudy**
11:20 AM	**-1.1**	**6.3**	**N**	**Partly Cloudy**
11:50 AM	**-1.1**	**5.4**	**N**	**Partly Cloudy**
12:20 PM	0.0	4.5	N	Partly Cloudy
12:50 PM	**1.1**	**5.4**	**N**	**Partly Cloudy**
1:20 PM	**0.0**	**5.8**	**NNE**	**Partly Cloudy**
1:50 PM	**0.0**	**6.7**	**NNW**	**Mostly Cloudy**
2:20 PM	**0.0**	**5.4**	**N**	**Partly Cloudy**
2:50 PM	0.0	4.0	NNW	Partly Cloudy
3:20 PM	-1.1	4.5	N	Partly Cloudy
3:50 PM	-1.1	4.0	NNW	Partly Cloudy
4:20 PM	-1.1	4.0	NNW	Partly Cloudy
4:50 PM	-1.1	4.0	NNW	Partly Cloudy
5:20 PM	**-1.1**	**5.4**	**WNW**	**Partly Cloudy**
5:50 PM	**-1.1**	**7.2**	**WNW**	**Partly Cloudy**
6:20 PM	**0.0**	**6.7**	**NW**	**Partly Cloudy**
6:50 PM	**-1.1**	**5.4**	**WNW**	**Partly Cloudy**
7:20 PM	-1.1	4.5	WNW	Partly Cloudy
7:50 PM	**-1.1**	**5.4**	**W**	**Partly Cloudy**
8:20 PM	**0.0**	**5.8**	**W**	**Partly Cloudy**
8:50 PM	0.0	4.5	W	Partly Cloudy
9:20 PM	**-1.1**	**6.3**	**W**	**Partly Cloudy**
9:50 PM	**-1.1**	**6.3**	**WNW**	**Partly Cloudy**
10:20 PM	**-1.1**	**5.8**	**W**	**Fair**
10:50 PM	-1.1	4.5	W	Fair

A7.6: Wednesday 12 March 2025

Time	Temperature °C	Wind speed m/s	Direction	Climate
7:20 AM	1.1	4.5	WNW	Partly Cloudy
7:50 AM	1.1	4.5	WNW	Partly Cloudy
8:20 AM	**2.2**	**5.4**	**NW**	**Partly Cloudy**
8:50 AM	**2.2**	**5.4**	**NW**	**Mostly Cloudy**
9:20 AM	**2.8**	**5.8**	**NW**	**Mostly Cloudy**
9:50 AM	**2.8**	**6.3**	**WNW**	**Partly Cloudy**
10:20 AM	**3.9**	**5.4**	**NNW**	**Partly Cloudy**
10:50 AM	**5.0**	**6.3**	**NNW**	**Partly Cloudy**
11:20 AM	**5.0**	**7.2**	**N**	**Partly Cloudy**
11:50 AM	**6.1**	**8.0**	**NNW**	**Partly Cloudy**
12:20 PM	**5.0**	**7.2**	**N**	**Showers in the Vicinity**
12:50 PM	**6.1**	**6.7**	**N**	**Partly Cloudy**
1:20 PM	**3.9**	**7.2**	**NNW**	**Showers in the Vicinity**
1:50 PM	**6.1**	**5.4**	**N**	**Light Rain Shower**
2:20 PM	**6.1**	**5.8**	**N**	**Showers in the Vicinity**
2:50 PM	**3.9**	**6.7**	**N**	**Light Rain Shower**
3:20 PM	**5.0**	**7.6**	**NNE**	**Showers in the Vicinity**
3:50 PM	**3.9**	**5.4**	**NNE**	**Light Rain Shower**
4:20 PM	**3.9**	**8.0**	**N**	**Showers in the Vicinity**
4:50 PM	**5.0**	**6.3**	**N**	**Showers in the Vicinity**
5:20 PM	**5.0**	**6.3**	**N**	**Showers in the Vicinity**
5:50 PM	**5.0**	**5.8**	**N**	**Showers in the Vicinity**
6:20 PM	**3.9**	**5.4**	**NE**	**Partly Cloudy**
6:50 PM	3.9	4.5	NNE	Showers in the Vicinity
7:20 PM	3.9	3.6	N	Showers in the Vicinity
7:50 PM	2.8	4.5	N	Partly Cloudy
8:20 PM	**2.8**	**5.4**	**N**	**Partly Cloudy**
8:50 PM	2.2	4.5	N	Partly Cloudy
9:20 PM	**2.2**	**5.4**	**N**	**Fair**
9:50 PM	2.2	4.5	NNW	Fair
10:20 PM	2.2	4.5	N	Light Rain Shower
10:50 PM	**2.2**	**5.4**	**NNW**	**Partly Cloudy**

A7.7: Thursday 13 March 2025

Time	Temperature °C	Wind speed m/s	Direction	Climate
7:20 AM	2.2	6.7	N	Partly Cloudy
7:50 AM	2.2	6.7	N	Partly Cloudy
8:20 AM	2.2	6.3	NNW	Partly Cloudy
8:50 AM	2.2	7.2	N	Partly Cloudy
9:20 AM	2.2	7.2	NNW	Partly Cloudy
9:50 AM	2.8	6.3	NNW	Partly Cloudy
10:20 AM	2.8	6.7	N	Partly Cloudy
10:50 AM	3.9	7.6	N	Partly Cloudy
11:20 AM	3.9	7.2	N	Partly Cloudy
11:50 AM	3.9	8.0	N	Partly Cloudy
12:20 PM	3.9	8.0	N	Light Rain Shower
12:50 PM	5.0	7.2	N	Partly Cloudy
1:20 PM	5.0	7.6	N	Partly Cloudy
1:50 PM	5.0	5.8	NNW	Partly Cloudy
2:20 PM	3.9	5.8	N	Showers in the Vicinity
2:50 PM	5.0	6.3	N	Showers in the Vicinity
3:20 PM	5.0	6.3	N	Partly Cloudy
3:50 PM	3.9	5.4	NE	Light Rain Shower
4:20 PM	3.9	5.4	N	Showers in the Vicinity
4:50 PM	3.9	5.4	NNW	Partly Cloudy
5:20 PM	2.8	5.4	N	Partly Cloudy
5:50 PM	3.9	5.4	NNE	Partly Cloudy
6:20 PM	2.8	5.8	N	Partly Cloudy
6:50 PM	2.8	4.5	NNE	Partly Cloudy
7:20 PM	2.8	4.5	NNE	Partly Cloudy
7:50 PM	2.8	4.0	N	Partly Cloudy
8:20 PM	2.8	3.6	N	Partly Cloudy
8:50 PM	2.8	2.7	NNE	Partly Cloudy
9:20 PM	2.8	2.2	NNE	Partly Cloudy
9:50 PM	2.8	1.3	NNE	Mostly Cloudy
10:20 PM	2.8	2.2	N	Fair
10:50 PM	2.8	1.3	WNW	Fair

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