



Noise Impact Assessment

Clockhouse Quarry Restoration Environmental Permit Application

SUEZ Recycling and Recovery UK Ltd

Prepared by:

SLR Consulting Limited

Cubo, Standard Court, Park Row, Nottingham, NG1
6GN

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Basis of Report

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Table of Contents

Basis of Report	i
Executive Summary	1
1.0 Introduction	2
1.1 Report Structure	2
2.0 Site Description and Site Operations	3
2.1 Existing Site Description	3
2.2 Nearest Noise Sensitive Receptors	4
2.3 Proposed Material Changes to Site requiring the Permit	5
2.4 Hours of Operation	7
3.0 Relevant Guidance	8
3.1 Noise and Vibration Management: Environmental Permits	8
3.2 British Standard 4142:2014+A1:2019	9
3.3 Method Implementation Document for BS 4142	10
3.4 Tonal Analysis	11
3.5 ISO 9613-2:2024	11
4.0 Environmental Sound Surveys	12
4.1 Environmental Sound Survey Locations	12
4.2 Weather Conditions	13
4.3 Baseline Sound Survey Equipment	14
4.4 Microphone Location and Indices Measured	15
4.5 Baseline Sound Survey Results	15
4.5.1 Baseline Sound Climate	15
4.5.2 Results	16
5.0 Noise Modelling	17
5.1 Operational Plant and On-times	17
5.1.1 Infilling Operations	17
5.1.2 Processing Operations	18
5.2 General Methodology and Assumptions	18
5.3 Noise Modelling for Each Phase	19
5.4 Predicted Specific Levels	20
6.0 BS4142 Assessment	21
6.1 Acoustic Character Correction	21
6.2 Assessment Results	21
6.3 Assessment and Discussion	23
6.4 Assessment Including Mitigation	24



6.5	Assessment of Context.....	25
6.5.1	Plant Locations and Operation	25
6.5.2	Baseline Sound Levels and Soundscape	25
6.5.3	Historic use of Site	26
6.5.4	Predicted Noise Levels and Mineral Guidance	26
6.5.5	Best Practicable Means.....	28
6.5.6	Conclusions of Context Assessment	28
7.0	Statement of Uncertainty	30
7.1	Uncertainty relating to the Baseline Survey Results	30
7.1.1	Baseline Survey	30
7.2	Uncertainties relating to Noise Sources and Predicted Noise Levels	31
7.2.1	Noise Sources	31
7.2.2	Predicted Noise Levels.....	31
7.3	Impact of all Uncertainties	31
8.0	Conclusion.....	32

Tables in Text

Table 3-1:	NVM Assessment.....	8
Table 4-1:	Environmental Sound Survey Locations.....	12
Table 4-2:	Prevailing Weather Conditions	14
Table 4-3:	Survey Equipment – Baseline Sound Survey	15
Table 4-4:	Environmental Sound Survey Sound Climate.....	15
Table 4-5:	Summarised Measured Baseline Sound Data	16
Table 5-1:	Infilling Operational Plant and On-times, dB	17
Table 5-2:	Predicted Specific Noise Levels, dB	20
Table 6-1:	Character Corrections to be Applied the NSRs	21
Table 6-2:	BS 4142:2014+A1:2019 Assessment, dB.....	22
Table 6-3:	BS 4142:2014+A1:2019 Assessment including Mitigation, dB.....	24
Table 6-4:	Assessment in conjunction with MPG.....	27

Figures in Text

Figure 2-1:	Site and Surrounding Area.....	4
Figure 2-2:	Indicative Site Boundary and Identified NSRs	5
Figure 2-3:	Infill Phases	7
Figure 4-1:	Environmental Sound Survey Locations.....	13
Figure 5-1:	Site Access Road Barrier Location.....	19



Appendices

Appendix A SQP Statement

A.1 Suitably Qualified Person Statement

Appendix B Calibration Certificates

Appendix C Full Survey Results

Appendix D Noise Contours for Screening Plant



Acronyms and Abbreviations

dB (Decibel)	The scale on which sound pressure level is expressed. It is defined as 20 times the logarithm of the ratio between the root-mean-square pressure of the sound field and a reference pressure (2×10^{-5} Pa).
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}	L_{Aeq} is defined as the notional steady sound level which, over a stated period of time, would contain the same amount of acoustical energy as the A-weighted fluctuating sound measured over that period.
L_{Aeq}	L_{Aeq} is defined as the notional steady sound level which, over a stated period of time, would contain the same amount of acoustical energy as the A-weighted fluctuating sound measured over that period.
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 L_n 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 as such can be regarded as the 'average maximum level'. Similarly, L_{90} is the 'average minimum level' and is often used to describe the background noise. It is common practice to use the L_{10} index to describe traffic noise.
$L_{Amax(F)}$	$L_{Amax(F)}$ 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.



Executive Summary

SLR have undertaken a noise assessment at SUEZ's Clockhouse Quarry facility located at Horsham Road, Nr Capel, Horsham, RH5 5JL (the Site). It is understood that SUEZ are seeking to facilitate a low-level restoration of the Site to create a free draining landform and a number of ecological habitats.

The purpose of the assessment was to determine the potential impact of the Proposed Development (infilling operations and restoration) on nearby Noise Sensitive Receptors (NSRs).

The results of the assessment have indicated that when calculated in accordance with BS4142 *Methods for rating and assessing industrial and commercial sound, significant adverse or adverse impacts* would be experienced at a number of the NSRs during the works.

The results of the assessment have also shown that in accordance with the Environment Agencies (EA) Noise and Vibration Management (NVM) document there would be *unacceptable level of audible or detectable noise* at a number of the NSRs considered during the works.

However, with reference to BS4142 the above impacts are dependent on 'context'.

An assessment of context has subsequently been undertaken which considered the following:

- the plant locations and their operation.
- the baseline sound levels utilised and current soundscape.
- the historic use of the Site.
- the predicted noise levels in conjunction with mineral guidance; and
- the best practice measures (BPM) implemented at the Site regarding noise abatement.

The results of the context assessment concluded that once context has been taken into account the proposed infilling operations would have a *low* impact at the nearest NSRs.



1.0 Introduction

SUEZ Recycling and Recovery UK Ltd (SUEZ) have appointed SLR Consulting Ltd (SLR) to undertake a noise assessment at their Clockhouse Quarry facility located at Horsham Road, Nr Capel, Horsham, RH5 5JL (the Site). It is understood that SUEZ are seeking to facilitate a low-level restoration of the Site to create a free draining landform and a number of ecological habitats.

A planning application (MO/2023/0789) has been submitted and approved (with conditions) for the Site.

The purpose of the report is to determine the potential impact of the Proposed Development (infilling operations and restoration) on nearby Noise Sensitive Receptors (NSRs).

1.1 Report Structure

This Report presents:

- A description of the Site, the nearest NSRs and proposed material changes to the Site.
- A description of applicable guidance.
- Environmental sound surveys to determine the baseline sound levels at the nearest NSRs to the Site.
- Noise modelling exercises to:
 - Predict the noise levels that would be generated by proposed operations at the Site at the nearest NSRs.
- Based on all of the above, an assessment undertaken in accordance with British Standard 4142:2014+A1:2019 '*Methods for rating and assessing industrial and commercial sound*' as required by the Environment Agency (EA) '*Guidance Noise and vibration management: environmental permits*'.

The environmental sound survey, report, and technical reviews were undertaken by suitably experienced and qualified members of staff, as detailed in **Appendix A**.



2.0 Site Description and Site Operations

2.1 Existing Site Description

Clockhouse Quarry is a former clay pit associated with the dormant Clockhouse Brickworks, covering approximately 26.4 hectares (ha) and can be subdivided into three distinct areas referred to as Area 1, Area 2 and Area 3. A description of each is provided as follows:

- **Area 1:** The south-western area includes a closed landfill the subject of Environmental Permit (EP) reference EPR/CP3994HB (EAWML 19674) operated by SITA (now SUEZ Recycling and Recovery Surrey Ltd) under planning permission MO98/1448. The landfill ceased accepting waste in 2004 with the expiry of the planning permission time limit. Restoration was completed in 2008 in accordance with the requirements of planning permission MO98/1448;
- **Area 2:** The south-eastern area and to the east of Area 1 has been quarried and, although included within the expired planning permission MO98/1448 and its restoration landform design, landfilling operations never progressed into Area 2 so it remained unrestored and unable to achieve the intended restoration landform due to expiry of the landfill planning permission. Area 2 has historically been partially infilled with quarry overburden and a revised restoration design has recently been agreed with the planning authority under permission MO/2023/0789; and
- **Area 3:** The northern area, directly north of Area 2 and east of the brickworks has been quarried and is an unrestored flooded quarry void. Mineral permission MO02/1072 includes an outstanding requirement to restore and the restoration design has recently been agreed with the planning authority under permission MO/2023/0789.

This Noise Impact Assessment (NIA) relates to Areas 2 and 3 only.

The Site is bound to the north by farmland, to the east by Rusper Road, to the south by the existing railway line and to the west by residential properties and the A24.

Gatwick Airport is also located approximately 7km east of the Site, with the Site directly under the flight path.

Figure 2-1 details the Area Layout.



Figure 2-1: Site and Surrounding Area

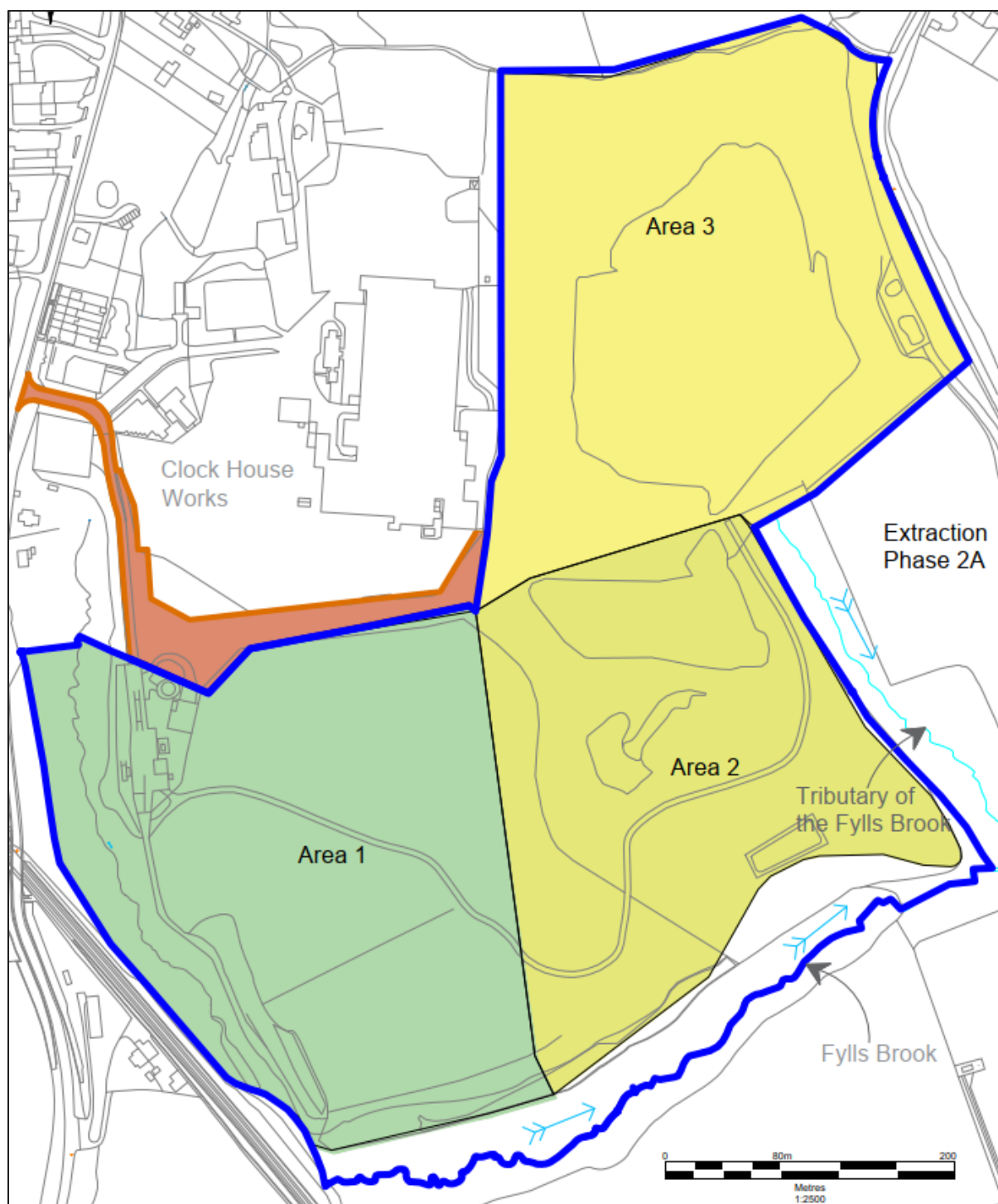


Image Courtesy of SUEZ. Drawing No. CLK-QREST-0521-02.

2.2 Nearest Noise Sensitive Receptors

From studying images of the Site and from a Site visit undertaken by SLR it is considered that the nearest NSRs to the Site are as follows:

- NSR01 – Residential properties located to the north of Clockhouse Quarry.
- NSR02 - Residential properties located on Rusper Road to the east of the Site.



- NSR03 - Residential properties located on Rusper Road to the north-east of the Site.
- NSR04 - Residential properties located on Rusper Road to the south-east of the Site.
- NSR04a - Residential properties located on Rusper Road to the south of the Site.
- NSR05 - Residential properties located on the A24 to the west of the Site.
- NSR05a - Residential properties located on the A24 to the west of the Site.
- NSR06 – Residential properties located on the A24 to the south-west of the Site.

The NSRs described above are shown on **Figure 2-2**.

Figure 2-2: Indicative Site Boundary and Identified NSRs



Image Courtesy of Google Earth 2025

2.3 Proposed Material Changes to Site requiring the Permit

The Site will require the importation of approximately 686,000m³ inert material and soils for the purpose of restoration with an annual throughput of 500,000tpa. The imported materials would facilitate the low-level restoration of the Site to a free-draining valley landform.

The Site extends to circa 14.5 hectares (ha), however the area that is to be restored under the scheme through the importation of inert materials and other regrading works extends to circa. 12ha.



Only suitable waste material will be used for general fill in the restoration of the site. The clean, suitable waste types will come from multiple sources and will consist of materials such as soils, and overburden recovered from local construction projects. Suitable topsoil will also be required for the final restoration layer.

Materials would be imported by HGVs accessing the site via the established access off the A24 (Horsham Road) at NGR TQ 17271 38633 and using a new access road running between the weighbridge and the site.

Material imported would not typically require any processing, however the intermittent use of a mobile crushing and screening plant would be used on site to ensure a suitable specification of soil material for the top restoration layers. The plant would be located within the infilling area and not in close proximity to the site boundary.

The overall duration of the development would be a maximum of 14 years and would be split into eight separate phases as shown in **Figure 2-3**. The figure also shows the level of the final infill contours in blue.



Figure 2-3: Infill Phases



2.4 Hours of Operation

Operating hours at the Site (as allowed by the planning permission) would be as follows:

- Monday to Friday: 07:00 to 19:00 hrs; and
- Saturday: 08:00 to 13:00 hrs.



3.0 Relevant Guidance

A summary of the requirements outlined in the EA Guidance document, and the assessment methodology outlined in BS 4142:2014+A1:2019 are provided below.

3.1 Noise and Vibration Management: Environmental Permits

The Environment Agency (EA) released the guidance document *'Noise and Vibration Management: Environmental Permits'* (NVM) in July 2021, replacing the previous guidance presented in *'Horizontal Guidance for Noise (H3) parts 1 and 2'*. The NVM details when a noise assessment is required, the competency required to undertake an assessment and how to carry out a noise impact assessment.

The NVM references BS 4142:2014+A1:2019 as the appropriate assessment methodology.

The NVM outlines how context should be taken into account in the assessment and notes that *"Whilst context allows you to interpret impact thresholds (to a degree), there are practical limits to the extent of the interpretation. It is unlikely you could adjust the assessment outcome beyond the next band (for example, modifying a BS 4142 outcome of more than 10 dB to be less than an 'adverse impact')."*

Determining the outcome of the assessment the following should be considered:

- weekdays rather than weekends.
- what the sound 'means' – meaningful sound is one that conveys an unpleasant meaning beyond its mere acoustic content, for example noise from an abattoir.
- time of day.
- the absolute sound level.
- where the sound occurs.
- new industry or new residences.
- intrinsic links between the source and receptor, for example the source is the resident's place of work.
- local attitudes.
- the residual acoustic environment.
- the land use at the receptor (for example, gardens rather than yards).
- the exceedance (traditional BS 4142).
- whatever else might be particular to that individual situation.

Based on the results of the BS 4142:2014+A1:2019 assessment the NVM has three distinct requirements as detailed in **Table 3-1**.

Table 3-1: NVM Assessment

NVM Result	BS 4142 Descriptor	Next Stage
Unacceptable level of audible or detectable noise	The closest corresponding BS 4142 descriptor is 'significant adverse impact'	You must take further action, or you may have to reduce or stop operations. The environment agencies will not issue a permit if you are likely to be operating at this level.



NVM Result	BS 4142 Descriptor	Next Stage
Audible or detectable noise	The closest corresponding BS 4142 descriptor is 'adverse impact'	Your duty is to use appropriate measures to prevent or, where that is not practicable, minimise noise. You are not in breach if you are using appropriate measures. But you will need to rigorously demonstrate that you are using appropriate measures.
No noise, or barely audible or detectable noise	The closest corresponding BS 4142 descriptor is 'low impact or no impact'	Low impact does not mean there is no pollution. However, if you have correctly assessed it as low impact under BS 4142, the environment agencies may decide that taking action to minimise noise is a low priority.

3.2 British Standard 4142:2014+A1:2019

British Standard 4142:2014+A1:2019 '*Methods for rating and assessing industrial and commercial sound*' (BS 4142) is intended to be used to assess the potential adverse impact of sound, of an industrial and/or commercial nature, at nearby noise-sensitive receptor locations within the context of the existing sound environment.

Where the specific sound contains tonality, impulsivity and/or other sound characteristics, penalties should be applied depending on the perceptibility. For tonality, a correction of either 0, 2, 4, or 6 dB should be added and for impulsivity, a correction of either 0, 3, 6, or 9 dB should be added. If the sound contains specific sound features which are neither tonal nor impulsive, a penalty of 3 dB should be added.

In addition, if the sound contains identifiable operational and non-operational periods, that are readily distinguishable against the existing sound environment, a further penalty of 3 dB may be applied.

The assessment of impact contained in BS 4142 is undertaken by comparing the sound rating level, i.e. the specific sound level of the source plus any penalties, to the measured representative background sound level immediately outside the noise-sensitive receptor location. Consideration is then given to the context of the existing sound environment at the noise-sensitive receptor location to assess the potential impact.

Once an initial estimate of the impact is determined, by subtracting the measured background sound level from the rating sound level, BS 4142 states that the following should be considered:

- typically, the greater the difference, the greater the magnitude of the impact.
- 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 + 5 dB is likely to be an indication of an adverse impact, depending on the context; and
- 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. It is an indication that the specific sound source has a low impact, depending on the context.

BS 4142 notes that:



“Adverse impacts include, but are not limited to, annoyance and sleep disturbance. Not all adverse impacts will lead to complaints and not every complaint is proof of an adverse impact.”

BS 4142 outlines guidance for the consideration of the context of the potential impact including consideration of the existing residual sound levels, location and/or absolute sound levels.

To account for the acoustic character of proposed sound sources, BS 4142 provides the following with respect to the application of penalties to account for *“the subjective prominence of the character of the specific sound at the noise-sensitive locations and the extent to which such acoustically distinguishing characteristics will attract attention”*.

- Tonality – “For sound ranging from not tonal to predominantly tonal the Joint Nordic Method gives a correction of between 0 dB and + 6 dB for tonality. Subjectively, this can be converted to a penalty of 2 dB for a tone which is just perceptible at the noise receptor, 4 dB where it is clearly perceptible and 6 dB where it is highly perceptible;
- Impulsivity – A correction of up to + 9 dB can be applied for sound that is highly impulsive, considering both the rapidity of the change in sound level and the overall change in sound level. Subjectively, this can be converted to a penalty of 3 dB for impulsivity which is just perceptible at the noise receptor, 6 dB where it is clearly perceptible, and 9 dB where it is highly perceptible;
- Intermittency – When the specific sound has identifiable on/off conditions, the specific sound level ought to be representative of the time period of length equal to the reference time interval which contains the greatest total amount of on time. If the intermittency is readily distinctive against the residual acoustic environment, a penalty of 3 dB can be applied; and
- Other Sound Characteristics – Where the specific sound features characteristics that are neither tonal nor impulsive, though otherwise are readily distinctive against the residual acoustic environment, a penalty of 3 dB can be applied.”

Finally, BS 4142 outlines guidance for the consideration of the context of the potential impact, including consideration of the existing residual sound levels, location and/or absolute sound levels.

3.3 Method Implementation Document for BS 4142

The Environment Agency published a Method Implementation Document (MID) in March 2023 for BS 4142. The document was subsequently updated in December 2023 with this being the most current version available.

MIDs explain how to use the standards and guidance for regulatory monitoring when applying for a permit or complying with permit conditions.

The Environment Agency, Natural Resources Wales and Northern Ireland Environment Agency have produced this guidance to help holders and potential holders of permits.

The MID must be followed if you are:

- Applying to the environment agencies for a new environmental permit or applying to vary an existing permit.
- Sending sound monitoring and assessments to the environment agencies – you must also follow the requirements of BS 4142 and the guidance Noise and vibration management: environmental permits.

Guidance contained in the MID document has been followed in this Report.



3.4 Tonal Analysis

The MID suggests that:

“The objective (one-third octave) and reference (FFT based) methods may not correctly identify some tones, particularly moving or intermittent tones. These methods should only be used when the subjective method is insufficient.”

Therefore, for this NIA, a tonality analysis according to the subjective method found in BS 4142 has been undertaken and if this method is deemed insufficient, an objective (one-third octave) analysis will be undertaken.

If no tonality is found to occur from undertaking both the subjective and objective methods, then further analysis to a reference (FFT based) method will not be undertaken.

3.5 ISO 9613-2:2024

As described in Section 10.3 of BS 4142:2014+A1:2019 a valid method of calculating sound levels should be utilised, the method used as an example with BS 4142, is ISO 9613-2:2024 a brief summary of which is provided below.

The levels of sound generated by the Site has been predicted in accordance with the prediction framework within ISO 9613-2:2024 ‘Acoustics – Attenuation of Sound during Propagation Outdoors– Part 2: Engineering method for the prediction of sound pressure levels outdoors’. This method of calculation considers the distance between the sound sources and the closest receptors, and the amount of attenuation due to atmospheric absorption. The methodology also assumes downwind propagation, i.e. a wind direction that assists the propagation of sound from the source to the receiver.



4.0 Environmental Sound Surveys

The environmental sound survey was completed between Wednesday 4th June 2025 and Thursday 12th June 2025 details of which are provided in this section.

4.1 Environmental Sound Survey Locations

The survey was undertaken at six locations which were considered representative of the nearest NSRs as described in **Table 4-1** and shown on **Figure 4-1**.

Table 4-1: Environmental Sound Survey Locations

Monitoring Location	Representative Receptor (see Figure 2.2)	Description	Coordinates	
			Lat	Long
Location 1	NSR01	Located north west of the Site. Representative of Dwellings in the vicinity of "The Clock House", east of the A24.	51° 8'13.80"N	0°19'21.63"W
Location 2	NSR02 and NSR03	Located within Clockhouse Quarry grounds adjacent to Rusper Road. Location representative of nearby NSRs along Rusper Road.	51° 8'6.02"N	0°19'0.10"W
Location 3	NSR03	Located north-east of the Site. Representative of Pleystone House and Pleystone Farm, east of Rusper Road.	51° 8'30.40"N	0°18'53.18"W
Location 4	NSR04 and NSR04a	Located south-east of the Site. Representative of Lyne Lodge, adjacent to Rusper Road.	51° 7'50.85"N	0°18'46.88"W
Location 5	NSR05 and NSR05a	Located within Clockhouse Quarry grounds on the entry route. Representative of nearby NSRs adjacent to A24.	51° 8'5.57"N	0°19'30.13"W
Location 6	NSR06	Located within Clockhouse Quarry grounds to the south-west. Representative of NSRs along the A24.	51° 7'54.46"N	0°19'25.42"W



Figure 4-1: Environmental Sound Survey Locations

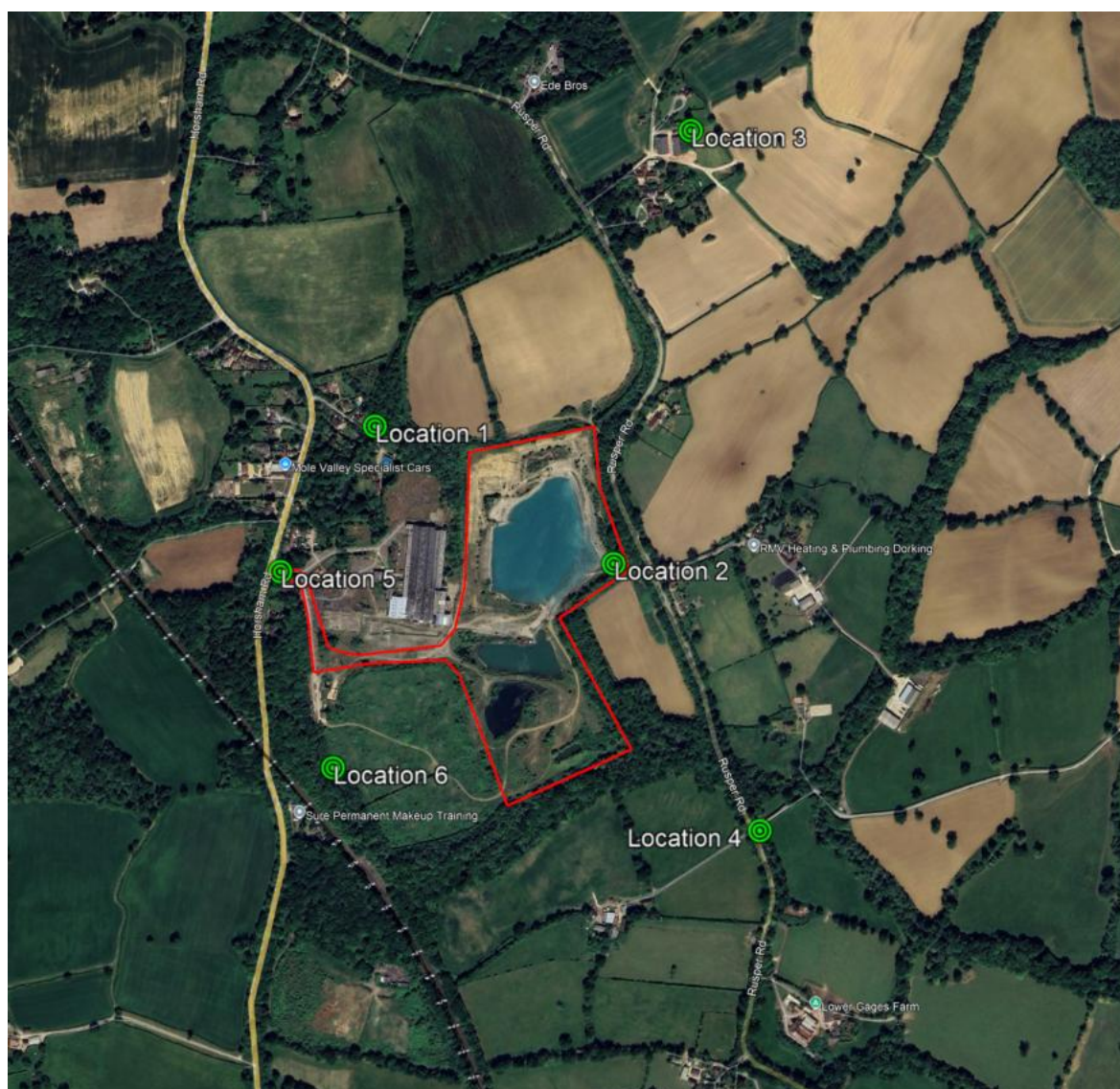


Image Courtesy of Google Earth 2025

4.2 Weather Conditions

To measure the prevailing weather conditions during the survey a Larson Davis weather station was installed at Location 3. Unfortunately the equipment malfunctioned during the survey and therefore the weather conditions were determined via the Weather Underground website¹.

From the website it was determined that a weather station was located in Mickleham, approximately 14km to the north of the Site, and it was considered that the recorded weather conditions were representative of the prevailing conditions at the Site during the survey period.

With reference to the above, the weather conditions are summarised in **Table 4-2**. The table also shows any periods of inclement weather i.e. rainfall or wind speeds above 5ms^{-1} which were not considered suitable for undertaking environmental sound measurements.

¹ <https://www.wunderground.com/dashboard/pws/IDORK119>



Table 4-2: Prevailing Weather Conditions

Date	General Weather Description	Periods of Inclement Weather Removed from Data
04/06/2025	Weather conditions were dry with daytime temperatures ranging between 15 °C to 17 °C. Daytime wind speeds were below 5 m/s with a predominately south-easterly direction.	None
05/06/2025	Weather conditions were wet with daytime temperatures ranging between 11 °C to 13 °C. The majority of daytime wind speeds were below 5 m/s with a predominately south-westerly direction.	07:10 to 13:05 13:55 to 22:25
06/06/2025	Weather conditions were mostly dry with some periods of precipitation. Daytime temperatures ranged between 11 °C to 20 °C. The majority of daytime wind speeds were below 5 m/s with a predominately south-easterly direction.	01:45 to 02:40 08:45 to 10:25 16:35 to 17:30
07/06/2025	Weather conditions were mostly dry with some periods of precipitation. Daytime temperatures ranged between 11 °C to 16 °C. The majority of daytime wind speeds were below 5 m/s with a predominately south-westerly direction.	01:10 to 06:15 08:40 to 09:35 16:05 to 19:35 20:35 to 21:50
08/06/2025	Weather conditions were mostly dry with some periods of precipitation. Daytime temperatures ranged between 8 °C to 20 °C. Daytime wind speeds were below 5 m/s with a predominately south-easterly direction.	03:05 to 04:00
09/06/2025	Weather conditions were dry with daytime temperatures ranging between 15 °C to 20 °C. Daytime wind speeds were below 5 m/s with a predominately south-westerly direction.	None
10/06/2025	Weather conditions were dry with daytime temperatures ranging between 12 °C to 16 °C. Daytime wind speeds were below 5 m/s with a predominately south-easterly direction.	None
11/06/2025	Weather conditions were dry with daytime temperatures ranging between 13 °C to 24 °C. Daytime wind speeds were below 5 m/s with a predominately north-westerly direction.	None
12/06/2025	Weather conditions were mostly dry with some periods of precipitation. Daytime temperatures ranged between 15 °C to 24 °C. Daytime wind speeds were below 5 m/s with a predominately westerly direction.	12:35 to 13:35

4.3 Baseline Sound Survey Equipment

The sound survey equipment used during the baseline sound survey is detailed in **Table 4-3**. The noise equipment conforms to the latest version of BS EN 61672-1:2013 and is of Type 1 accuracy.

The sound level meters were calibrated before and after the measurement period using an acoustic calibrator (conforming to the latest version of BS EN 60942:2018), the details of which are shown in the table. The calibration chain is traceable via the National Physical Laboratory. The relevant calibration certificates for the equipment are shown in **Appendix B**.



Table 4-3: Survey Equipment – Baseline Sound Survey

Location	Description	Manufacturer	Type	Serial Number	Calibration Start	Calibration End
Location 1	Sound Calibrator	Cirrus	CR515	106413		
	Sound Level Meter		CR:831B	C171175FF	94.0dB	94.0dB
Location 2	Sound Calibrator		CR:515	106193		
	Sound Level Meter		CR:171B	G079816	-0.05dB	0.03dB
Location 3	Sound Calibrator		CR:515	93674		
	Sound Level Meter		CR:171B	G301839	-0.40dB	-0.64dB
Location 4	Sound Calibrator		CR:515	83349		
	Sound Level Meter		CR:171B	G304870	-0.06dB	0.37dB
Location 5	Sound Calibrator		CR:515	99952		
	Sound Level Meter		CR:171B	G400055	-0.11dB	0.17dB
Location 6	Sound Calibrator		CR:515	97661		
	Sound Level Meter		CR:171B	G303390	-0.02dB	0.21dB

4.4 Microphone Location and Indices Measured

The microphone of each sound level meter was positioned approximately 1.5 m above the ground level in free-field conditions at each location, i.e., at least 3.5 m from the nearest vertical reflecting surface.

The following noise level indices were recorded and logged every 15-minutes during the baseline sound survey in decibels (dB): $L_{Aeq, T}$, L_{AFmax} , L_{10} and L_{90} .

4.5 Baseline Sound Survey Results

4.5.1 Baseline Sound Climate

Table 4-4 details the sound climate observed at each of the survey locations during the equipment installation and collection.

Table 4-4: Environmental Sound Survey Sound Climate

Receptor	Description
L1	Distant road traffic noise faintly audible. Intermittent overhead aircraft dominant and occasional car pass by's on adjacent road network. Bird song, insect noise, and tree rustling present throughout.
L2	Distant road traffic noise faintly audible. Intermittent overhead aircraft and occasional car pass by's on adjacent road network. Bird song, insect noise, and tree rustling present throughout.



Receptor	Description
L3	Distant road traffic noise faintly audible. Intermittent overhead aircraft dominant and occasional car pass by's on adjacent road network. Bird song, insect noise, and tree rustling present throughout.
L4	Distant road traffic noise faintly audible. Intermittent overhead aircraft dominant and occasional car pass by's on adjacent road network. Bird song, insect noise, and tree rustling present throughout.
L5	Road traffic noise audible, consistent, and dominant. Intermittent overhead aircraft and occasional car pass by's on adjacent road network. Bird song, insect noise, and tree rustling present throughout.
L6	Distant road traffic noise faintly audible. Intermittent overhead dominant aircraft and occasional car pass by's on adjacent road network. Bird song, insect noise, and tree rustling present throughout. Occasional train pass by clearly audible.

4.5.2 Results

A summary of the measured baseline sound levels during the proposed operational hours of the Site with the weather affected periods removed, are summarised in **Table 4-5** and are shown in full in **Appendix C**.

It should be noted that the weekday is defined as Monday to Friday.

Table 4-5: Summarised Measured Baseline Sound Data

Location	Measurement Details		Residual sound level dB L _{Aeq,T}	Background sound level dB L _{A90,T}	
	Period	Time HH:MM	Average	Range	Typical*
L1	Weekday	07:00 – 19:00	56	37 - 48	45
	Saturday	08:00 – 13:00	56	42 - 47	46
L2	Weekday	07:00 – 19:00	57	32 - 47	44
	Saturday	08:00 – 13:00	57	40 - 44	43
L3	Weekday	07:00 – 19:00	58	32 - 54	39
	Saturday	08:00 – 13:00	58	34 - 40	39
L4	Weekday	07:00 – 19:00	60	34 - 44	40
	Saturday	08:00 – 13:00	60	36 - 41	39
L5	Weekday	07:00 – 19:00	66	41 - 58	52
	Saturday	08:00 – 13:00	67	47 - 56	52
L6	Weekday	07:00 – 19:00	57	37 - 47	45
	Saturday	08:00 – 13:00	59	41 - 45	44
*Based on modal values occurring within each stated time period					



5.0 Noise Modelling

A noise modelling exercise has been undertaken to predict the noise levels that would be generated by the proposed infilling operations at the nearest NSRs, the modelling methodology, assumptions and results are outlined below.

5.1 Operational Plant and On-times

5.1.1 Infilling Operations

SUEZ has confirmed the operational plant, on-times and number of vehicle movements (where applicable) associated with the infilling operations as shown in **Table 5-1**. The table also shows the sound pressure levels of the plant and the data source that this was derived from.

Table 5-1: Infilling Operational Plant and On-times, dB

Plant	Typical Model Type	Number in Operation	Sound Power Level or Pressure Level (dB) @ 10m	On-time (%)	Number of Movements	Data Source
Bulldozer	CAT D6 XE (hybrid)	1	109 (sound power level)	90	-	Technical Specification Sheet
360 Excavator	CAT 320	2	103 (sound power level)	90	-	
Dump truck	Volvo A25G	1	108 (sound power level)	-	10 per hour in working area	
Compactor	Hydraulic vibratory compactor	1	78	50	-	BS5228 - Table C.2 Ref No. 42
Tractor/ water Bowser	-	1	83	-	1, from site entrance to dumping point	BS5228 - Table C.6 Ref No. 38
Road Sweeper	Johnston VT651	1	76	-	1, from site entrance to extent of tarmac access road	BS5228 - Table C.4 Ref No. 90
Tipper trucks	Aggregates & Asphalt Insulated Tipper	-	79	-	12 (based on 100 max per day), from site entrance to tipping point	BS5228 - Table C.8 Ref No. 20
Wheel Wash	-	1	72.4 (@ 5m)	10	-	SLR Measured

Further to the above, SUEZ has confirmed that there would be a maximum of four plant operators on-site at any one time; therefore, all the plant listed above will not be operational concurrently.



The plant operating during each phase in the assessment will be based on a worst-case scenario which would depend on the location of each different phase relative to the nearest NSR, as described in **Section 5.3**.

5.1.2 Processing Operations

As previously described in **Section 2.3** material imported would not typically require any processing, however the intermittent use of a mobile crushing and screening plant is proposed to ensure a suitable specification of soil material for the top restoration layers.

With reference to the above the Client has stated that crushing will be undertaken by McClosky J45 crusher or similar and the screening by a Warriar 1400X power screen or similar.

SLR have previously modelled a J45 crusher and a Terax screener (similar to the Warriar 1400x) as a number of vertical area sources and line sources to match the noise levels measured by the equipment suppliers at 1m and 10m around the plant as reasonably practicable. The measured levels for the screener, provided as contour plots, are included in **Appendix D**.

5.2 General Methodology and Assumptions

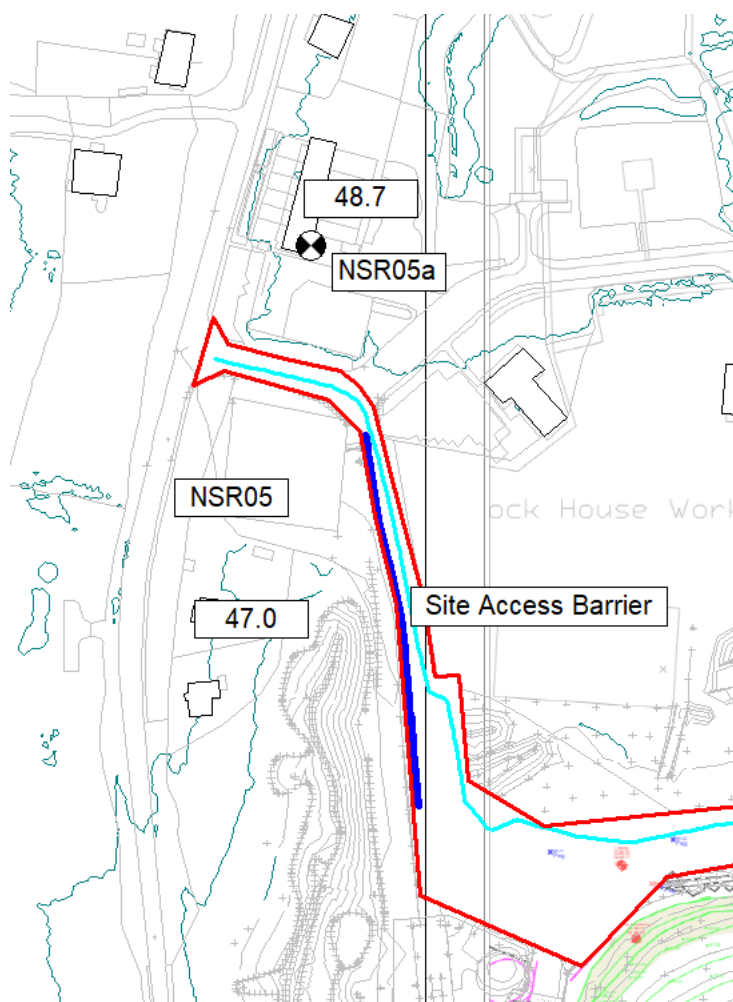
The sound predictions have been undertaken using a proprietary software-based noise model, CadnaA, which implements the full range of UK noise-based calculation methods. The calculation algorithms are set out in ISO 9613-2:2024 *Acoustics – Attenuation of sound during propagation outdoors – Part 2*.

The model is based on the following general assumptions and inputs.

- A ground absorption factor of 0.9 (predominantly soft ground).
- 2 metre contour data to include OS terrain data where available.
- Downwind propagation at a speed of 3 m/s, i.e. a wind direction that assists the propagation of sound from source to receptor.
- A reflection factor of 3.
- All buildings have an absorption coefficient alpha of 0.21 (smooth facade).
- Daytime receiver height of 1.5 m.
- 70% humidity.
- A temperature of 10°C.
- Where the noise levels of operational plant have been taken from BS 5228-1:2009+A1:2014 '*Code of Practice for Noise and Vibration Control on Construction and Open Sites – Part 1: Noise*' octave band data has been included.
- The model includes the attenuation provided by a 3m high barrier located on the western boundary of the section of the site access road which runs from north to south as shown as the royal blue line on **Figure 5-1**.



Figure 5-1: Site Access Road Barrier Location



5.3 Noise Modelling for Each Phase

The noise modelling for each phase of tipping has assumed the following:

- With reference to **Table 5-1** only the dozer, one of the 360 excavators, the compactor and the dump truck will be operational at any one time i.e. there are only a maximum of four plant operators on-site at any one time and these are the loudest sources.
- All plant working at their highest elevation i.e. at the level of the final contours to represent a worst-case scenario.
- The dozer, excavator and the compactor operating within the working area closest to the nearest NSR to represent a worst-case scenario.
- The screener and crusher located in a purpose-built area in the north-east area of Phase 6, it has been confirmed with SUEZ that either the screener or crusher will be operating at any one time; therefore, the assessment has assumed that just the screener will be operating with an 80% on-time.
- The tipper trucks will travel along the haul route to the boundary of each phase closest to the nearest NSR to represent a worst-case scenario.
- The dumper will operate across the middle of each phase and make 10 movements in an hour to represent a realistic scenario but will not travel within 30m of the working area boundary which has been confirmed with SUEZ.



- The wheel wash will be operational during all phases, though will only have a 10% on-time i.e. will only operate for 6-minutes during a worst-case hour.

5.4 Predicted Specific Levels

Based on the assumptions outlined in **Sections 5.2 and 5.3** the predicted specific noise levels at each of the NSRs during each phase is shown in **Table 5-2**.

Table 5-2: Predicted Specific Noise Levels, dB

Receptor	Phase and Predicted Specific Sound Level, dB $L_{Aeq,Tr}$							
	1	2	3	4	5	6	7	8
NSR01	45	43	43	42	41	41	41	41
NSR02	46	48	49	51	47	46	51	46
NSR03	45	52	48	47	44	42	45	42
NSR04	41	41	41	42	41	42	42	44
NSR04a	41	41	41	42	42	42	42	45
NSR05	47	47	47	47	47	47	47	47
NSR05a	50	50	49	49	49	49	49	49
NSR06	42	42	42	42	42	42	42	42



6.0 BS4142 Assessment

A noise impact assessment has been undertaken for the infilling operations in conjunction with:

- BS4142:2014+A1:2019.
- The measured baseline sound levels at the baseline survey locations as shown in **Table 4-5**.
- The predicted specific sound levels at the NSRs as shown in **Table 5-2**.

6.1 Acoustic Character Correction

BS 4142:2014+A1:2019 requires corrections to be applied to the specific sound level to determine the rating level (L_{Ar}). These corrections relate to the perception of the sound outdoors at each of the receptor locations and therefore the same corrections may not apply to all receptors.

Details of the corrections to be applied to the specific sound level at the nearest NSRs for the existing Site are shown in **Table 6-1**.

Table 6-1: Character Corrections to be Applied the NSRs

Feature	Penalty Range	Comment	Correction Applied	Applicable NSRs
Tonal	0-6	With regards to tonality, from experience of similar plant utilised on quarries, the noise being generated by the infilling operations would not have tonal characterises. It has also been confirmed that all mobile plant operating at the Site would be fitted with broadband reversing beepers.	0	N/A
Impulsive	0-9	It is considered that the noise being generated by the infilling operations would not contain any impulsive characterises.	0	N/A
Intermittency	0-3	It is considered that the movement of tippers, dumpers and dozers round the site would have intermittent characteristics at all of the NSRs considered	3	All NSRs

Based on the above a character correction of 3dB has been added to the predicted specific levels to calculate the rating level (L_{Ar}).

6.2 Assessment Results

The rating level at each NSR during each phase has then been compared to the measured background sound level (L_{A90}) as shown in

Table 6-2., to represent a worst-case scenario the background sound level shown in the table is the lowest typical level from either the daytime or weekend period at each NSR i.e. whichever was lower, where weekend levels have been utilised these are shown in bold.

With regards to the NSR03 it is considered that the baseline levels measured at Location 2 were more representative of the prevailing baseline sound climate at NSR03 than the levels measured at Location 3, as this was located at a significant distance away from the receptor and further away from Rusper Road; therefore the measured levels at Location 2 have been used as the basis for the assessment at NSR03.



The rating levels and the background sound levels have been rounded to the nearest decibel.

Table 6-2: BS 4142:2014+A1:2019 Assessment, dB

Receptor	Phase, Predicted Rating Level dB ($L_{Aeq,Tr}$) and comparison with Background Sound Level, (L_{A90})							
	1	2	3	4	5	6	7	8
NSR01	48	46	46	45	44	44	44	44
L_{A90}	45	45	45	45	45	45	45	45
Difference	-3	-1	+1	0	-1	-1	-1	-1
NSR02	49	51	52	54	50	49	54	49
L_{A90}	43	43	43	43	43	43	43	43
Difference	+6	+8	+9	+11	+7	+6	+11	+6
NSR03	48	55	51	50	47	45	48	45
L_{A90}	43	43	43	43	43	43	43	43
Difference	+5	+12	+8	+7	+4	+2	+5	+2
NSR04	44	44	44	45	44	45	45	47
L_{A90}	39	39	39	39	39	39	39	39
Difference	+5	+5	+5	+6	+5	+6	+6	+8
NSR04a	44	44	44	45	45	45	45	48
L_{A90}	39	39	39	39	39	39	39	39
Difference	+5	+5	+5	+6	+6	+6	+6	+9
NSR05	50	50	50	50	50	50	50	50
L_{A90}	52	52	52	52	52	52	52	52
Difference	-2	-2	-2	-2	-2	-2	-2	-2
NSR05a	53	53	52	52	52	52	52	52
L_{A90}	52	52	52	52	52	52	52	52
Difference	+1	+1	0	0	0	0	0	0
NSR06	45	45	45	45	45	45	45	45
L_{A90}	44	44	44	44	44	44	44	44
Difference	-1	-1	-1	-1	-1	-1	-1	-1

It can be seen from **Table 6-2** that:

- At NSR01 the predicted rating levels are marginally below, equal or marginal above the baseline sound levels during all phases of the proposed infilling operations.
- At NSR02 the predicted rating levels are at least 6dB above the baseline sound levels during phases of the proposed infilling operations.
- At NSR03 the predicted rating levels are:
 - At least 4dB above the baseline sound levels during phases 1, 2, 3, 4, 5 and 7 of the proposed infilling operations;
 - 2dB above the baseline sound levels during phases 6 and 8 of the proposed infilling operations.



- At NSR04 the predicted rating levels are at least 5dB above the baseline sound levels during phases of the proposed infilling operations.
- At NSR04a the predicted rating levels are at least 5dB above the baseline sound levels during phases of the proposed infilling operations.
- At NSR05 the predicted rating levels are marginally below the baseline sound levels during all phases of the proposed infilling operations.
- At NSR05a the predicted rating levels are equal or marginally above the baseline sound levels during all phases of the proposed infilling operations.
- At NSR06 marginally below the baseline sound levels during all phases of the proposed infilling operations.

6.3 Assessment and Discussion

With reference to **Table 6-2** it can be seen that the predicted rating levels at a number of the receptors considered are in excess of the baseline sound levels.

With reference to the amount which the rating levels exceed the background sound level BS4142:2014 +A1:2019 states:

“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 +5 dB is likely to be an indication of an adverse impact, depending on the context” and

“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. It is an indication that the specific sound source has a low impact, depending on the context.”

Based on the above the proposed infilling operations:

- Indicate a *significant adverse impact* at NSR02 during phases 2, 3, 4, and 7.
- Indicate a *significant adverse impact* at NSR03 during phases 2 and 3.
- Indicate a *significant adverse impact* at NSR04 and NSR04a during phase 8.
- Indicate an *adverse impact* at NSR02 during phases 1, 5, 6 and 8.
- Indicate an *adverse impact* at NSR03 during phases 1, 4 and 7.
- Indicate an *adverse impact* at NSR04 and NSR04a during phases 1 to 7.
- Indicate a *low impact* at NSR01, NSR05, NSR05a and NSR06 during all phases.
- Indicate a *low impact* at NSR03 during phases 6 and 8.

With further reference to the NVM assessment described in **Table 3-1** as a worst-case the above would correspond to an *unacceptable level of audible or detectable noise* at NSRs 2, 3, 4 and 4a during a number of the phases.

In conjunction with BS4142, the adverse impacts identified above are ‘*dependant on context*’ which will be discussed in subsequent sections of this report; however following discussions with SUEZ it has been confirmed that mitigation measures in the form of temporary bunds could be constructed.

The bunds would be formed from soil, which is often available before it is actually required on Site during infilling works. There is also the added benefit that the bunds will stockpile this soil until later in the project.



With reference to the above, the assessment has been repeated with the mitigation measures in place.

6.4 Assessment Including Mitigation

With reference to **Section 6.3** the assessment has been repeated with the following mitigation measured in-situ.

- A 2.5m high soil bund located on the eastern boundary of Phase 2.
- A 2.5m high soil bund located on the eastern boundary of Phase 3.
- A 2.5m high soil bund located on the eastern boundary of Phase 4.
- A 3.5m high soil located on the eastern boundary of Phase 7.

The bunds described above would remain in-situ whilst works are being undertaken close to the eastern boundary of each phase, with regards to the Phase 4 this bund will be in-situ during Phase 3 works.

It also should be noted that the potential to install a bund on the southern boundary of Phase 8 was also explored; however, due to the topography of the land between the southern area of Phase 8 and the nearest receptors, the bund proved ineffective in reducing noise levels at NSR04 and NSR04a.

With reference to the above the results of the assessment including mitigation at the most impacted receptors are shown in **Table 6-3**, the table also shows the reduction in the amount the rating level exceeds the baseline sound level when compared to the unmitigated scenario.

Table 6-3: BS 4142:2014+A1:2019 Assessment including Mitigation, dB

Receptor	Phase, Predicted Rating Level dB ($L_{Aeq,Tr}$), comparison with Background Sound Level, (L_{A90}) and Reduction in Exceedances							
	1	2	3	4	5	6	7	8
NSR02	49	50	50	52	50	49	51	49
L_{A90}	43	43	43	43	43	43	43	43
Difference	+6	+7	+7	+9	+7	+6	+8	+6
Reduction	0	-1	-2	-2	0	0	-3	0
NSR03	48	50	49	49	47	45	48	45
L_{A90}	43	43	43	43	43	43	43	43
Difference	+5	+7	+6	+6	+4	+2	+5	+2
Reduction	0	-5	-2	-1	0	0	0	0
NSR04	44	44	44	44	44	45	44	47
L_{A90}	39	39	39	39	39	39	39	39
Difference	+5	+5	+5	+6	+5	+6	+6	+8
Reduction	0	0	0	0	0	0	0	0
NSR04a	44	44	44	45	45	45	44	48
L_{A90}	39	39	39	39	39	39	39	39
Difference	+5	+5	+5	+6	+6	+6	+6	+9
Reduction	0	0	0	0	0	0	0	0



It can be seen from **Table 6-3** that the construction of the soil bunds has reduced the amount which the predicted rating levels exceeds the baseline background sound levels. This is particularly evident at NSR02 during phases 2, 3 and 7 and at NSR03 during Phase 2 where the largest impacts were predicted to occur prior to mitigation.

It can also be seen from **Table 6-3** that the predicted rating levels remain above the baseline sound levels at all the receptor locations during all phases and in accordance with BS4142 still indicate *significant adverse impacts* at NSR02 during phases 4 and 7 and at NSR04 and NSR04a during Phase 8; however as previously stated in **Section 6.3**, the significance of the impact also depends on context, an assessment of which is described below.

6.5 Assessment of Context

6.5.1 Plant Locations and Operation

As previously stated in **Section 5.3** the predictions have assumed that the plant is working at their highest elevation where the noise attenuation provided by the existing void would be at its lowest. Also, SUEZ has confirmed that the compactor would only be used for compaction of general fill material and would not be used on the final restoration layer (top 0.5m). The predictions have assumed that the plant would be operating within the working area closest to the nearest NSR to represent a worst-case scenario.

The above scenarios would only be experienced at each receptor for a relatively small amount of time and for the vast majority of the infilling operations the predicted noise and rating levels would be significantly lower at the receptor locations.

Also, Site opening hours for receipt of materials will be limited to: Monday to Friday – 07:30 to 16:30, with last load (over the weighbridge) at 16:00.

In addition, the predictions have assumed that the screener will be operational with an 80% on-time; however, it has been confirmed with SUEZ that the screener would only operate for one-month towards the end of each phase (i.e. one month/year or one month/two years for the larger phases); therefore for the majority of the time the screener would not be operational and the predicted rating levels would decrease at the receptor locations.

With reference to all of the above, it is considered that the identified worst-case impacts would only occur for a very small amount of time relative to the lifespan of the proposed infilling works.

6.5.2 Baseline Sound Levels and Soundscape

6.5.2.1 Baseline Levels

Baseline levels were measured over an eight-day period, including a weekend (as Saturday morning operations are proposed). The prevailing weather conditions were also considered during the entire survey period, and any periods where inclement weather was experienced were removed from the noise data set; therefore it is considered that the measured baseline levels are robust and again represent a worst-case scenario as for a large period of the year the baseline sound levels are likely to be higher due to the influence of weather conditions (i.e. high wind speeds, periods of precipitation).

In addition, the assessment at all the most affected receptors (see **Table 6-3**) has been based on the background sound levels measured during the weekend period. During the weekday periods the background sound levels were marginally higher (see **Table 4-5**) and therefore the amount in which the rating levels exceed the background sound levels would be less the majority of the time.



6.5.2.2 Soundscape

With reference to **Table 4-4**, all of the most affected receptors i.e. NSR02, NSR03, NSR04 and NSR04a are already subject to intermittent sounds caused by traffic on the local roads and overhead aircraft from Gatwick Airport which was dominant at times. As a precaution the BS4142 assessment has added a +3dB character correction for intermittency due to movement of tipper lorries and mobile plant on-site; however, given that NSR's are already subject to intermittent noise sources, this could be removed based on the prevailing soundscape at the receptor locations.

Removing this +3dB character correction would obviously mean that the amount in which the rating levels exceed the background sound levels would be 3dB less at all receptor locations and in fact reduce all the identified *significant adverse impacts* to *adverse or low impacts* at the most affected receptors as the highest exceedance above background would now be +6dB.

6.5.3 Historic use of Site

With reference to **Figure 2-1** Area 1 of the Site was an operational landfill until 2004 with restoration completed by 2008 and Areas 2 and 3 of the Site were an operational quarry from c.1932 to 2009.

In view of the above all of the NSRs considered within the assessment would have been exposed to industrial noise in the past which is comparable to the noise associated with the proposed infilling operations. i.e. the plant used for historic landfill and quarrying operations are very similar to the proposed plant associated with the infilling operations.

In addition, it is believed that the brickworks was operational until 2012; although the noise produced by the works is not directly comparable to the proposed infilling operations, the noise generated by the brickworks would have been of an industrial source and would have included associated vehicle movements which would have impacted the noise climate especially the receptors adjacent to the Site entrance and on Horsham Road to the west of the Site, i.e. NSR01, NSR05, NSR05a and NSR06.

With reference to all of the above, it is considered that all of the NSRs would have been subject to noise in the past which is directly comparable to the noise that will be generated by the proposed infilling operations.

6.5.4 Predicted Noise Levels and Mineral Guidance

As described in **Section 6.5.3** the Site was an operational quarry and the noise generated by these works would have been assessed in conjunction with relevant mineral guidance.

This guidance has been revised on a number of occasions; however, the most relevant current guidance at the time of the writing of this assessment is the "*Minerals*" section of the "*Planning Practice Guidance*" (MPG). Paragraphs 19 to 22 within this section are directly relevant, and paragraph 21 has been presented in full below.

"Paragraph 21: What are the appropriate noise standards for mineral operators for normal operations?"

Mineral planning authorities should aim to establish a noise limit, through a planning condition, at the noise-sensitive property that does not exceed the background noise level (LA90,1h) by more than 10dB(A) during normal working hours (0700-1900). Where it will be difficult not to exceed the background level by more than 10dB(A) without imposing unreasonable burdens on the mineral operator, the limit set should be as near that level as practicable. In any event, the total noise from the operations should not exceed 55dB(A) LAeq, 1h (free field). For operations during the evening (1900-2200) the noise limits should not exceed the background noise level (LA90,1h) by more than 10dB(A) and should not exceed 55dB(A) LAeq, 1h (free



field). For any operations during the period 22.00 – 07.00 noise limits should be set to reduce to a minimum any adverse impacts, without imposing unreasonable burdens on the mineral operator. In any event the noise limit should not exceed 42dB(A) LAeq, 1h (free field) at a noise sensitive property.

Where the site noise has a significant tonal element, it may be appropriate to set specific limits to control this aspect. Peak or impulsive noise, which may include some reversing beepers, may also require separate limits that are independent of background noise (eg Lmax in specific octave or third-octave frequency bands – and that should not be allowed to occur regularly at night.)

Care should be taken, however, to avoid any of these suggested values being implemented as fixed thresholds as specific circumstances may justify some small variation being allowed”.

With reference to the above as the operational hours of the proposed infilling operations are from 07:00 to 19:00 Monday to Friday and 08:00 to 13:00 on a Saturday the limit of not exceeding the background noise level (LA90,1h) by more than 10dB(A) up to a maximum of 55dB(A) would apply.

Based on the above an assessment has been made between the predicted mitigated specific noise levels from the proposed infilling operations (excluding the +3dB penalty as this relates to BS4142 and not mineral guidance) and the limit of 10dB above the background level at each NSR.

This assessment is shown in **Table 6-4** below.

Table 6-4: Assessment in conjunction with MPG

Receptor	Phase, Predicted Specific Level dB (LAeq,T) Measured Background Level, Calculated MPG Noise Limit and Comparison with Limit							
	1	2	3	4	5	6	7	8
NSR01	45	43	43	43	41	41	41	41
LA90	45	45	45	45	45	45	45	45
MPG Limit	55	55	55	55	55	55	55	55
Difference	-10	-12	-12	-12	-14	-14	-14	-14
NSR02	46	47	47	49	47	46	48	46
LA90	43	43	43	43	43	43	43	43
MPG Limit	53	53	53	53	53	53	53	53
Difference	-7	-6	-6	-4	-6	-7	-5	-7
NSR03	45	47	46	46	44	42	45	42
LA90	43	43	43	43	43	43	43	43
MPG Limit	53	53	53	53	53	53	53	53
Difference	-8	-6	-7	-7	-9	-11	-8	-11
NSR04	41	41	41	41	41	42	41	44
LA90	39	39	39	39	39	39	39	39
MPG Limit	49	49	49	49	49	49	49	49
Difference	-8	-8	-8	-8	-8	-7	-8	-5
NSR04a	41	41	41	42	42	42	41	45
LA90	39	39	39	39	39	39	39	39



Receptor	Phase, Predicted Specific Level dB ($L_{Aeq,T}$) Measured Background Level, Calculated MPG Noise Limit and Comparison with Limit							
	1	2	3	4	5	6	7	8
MPG Limit	49	49	49	49	49	49	49	49
Difference	-8	-8	-8	-7	-7	-7	-8	-4
NSR05	47	47	47	47	47	47	47	47
L_{A90}	52	52	52	52	52	52	52	52
MPG Limit	55	55	55	55	55	55	55	55
Difference	-8	-8	-8	-8	-8	-8	-8	-8
NSR05a	50	50	49	49	49	49	49	49
L_{A90}	52	52	52	52	52	52	52	52
MPG Limit	55	55	55	55	55	55	55	55
Difference	-5	-5	-6	-6	-6	-6	-6	-6
NSR06	42	42	42	42	42	42	42	42
L_{A90}	44	44	44	44	44	44	44	44
MPG Limit	54	54	54	54	54	54	54	54
Difference	-12	-12	-12	-12	-12	-12	-12	-12

It can be seen from **Table 6-4** that the predicted specific levels are below the calculated MPG limits at all of the NSRs during all phases.

Though it is acknowledged that the above assessment is not relevant to the EA methodology for permits which utilised BS4142, it does show that if the predictions within this assessment were being utilised for a mineral planning application the results would be positive and show that the development could be undertaken within the parameters of the relevant guidance.

6.5.5 Best Practicable Means

SLR have liaised with SUEZ, regarding Best Practicable Means (BPM) with regards to reducing the noise levels being generated by the proposed infilling operations and the following has been considered within this assessment:

- Utilising a hybrid dozer which is quieter than a diesel version.
- Positioning the processing plant at a location on the Site where it is having the least noise impact at the NSRs as reasonably practicable.
- Only operating one of the items of processing plant at any one time i.e. the screener and crusher will not operate simultaneously.
- Constructing soil bunds at the relevant Site boundaries to reduce the identified impacts at the most effected NSRs.

In addition to the above this assessment will be accompanied by a Noise Management Plan (NMP) which will outline further generic noise control measures and Site processes to further reduce the potential for significant adverse impacts.

6.5.6 Conclusions of Context Assessment

The assessment of the infilling operations has indicated *significant adverse* or *adverse impacts* in conjunction with BS4142 at a number of the NSRs during a number of the phases associated with the works; however, considerations have been made regarding:



- the plant locations and their operation.
- the baseline sound levels utilised and current soundscape.
- the historic use of the Site.
- the predicted noise levels in conjunction with mineral guidance; and
- the BPM implemented at the Site regarding noise abatement

Based on the above it is considered that once context has been taken into account the proposed infilling operations would have a *low* impact at the nearest NSRs.



7.0 Statement of Uncertainty

7.1 Uncertainty relating to the Baseline Survey Results

7.1.1 Baseline Survey

As advised in BS 4142:2014+A1:2019, areas of uncertainty associated with measurements of sound include:

- the complexity and level of variability of the residual acoustic environment.
- the location(s) selected for taking the measurements.
- the distance between sources of sound and the measurement location and intervening ground conditions.
- the number of measurements taken.
- the measurement time intervals.
- the range of times when the measurements have been taken.
- the range of suitable weather conditions during which measurements have been taken.
- the measurement method and variability between different practitioners in the way the method is applied.
- the level of rounding of each measurement recorded; and
- the instrumentation used.

With reference to the above, the measurement uncertainty was minimised during the baseline sound survey as follows:

- baseline sound measurements were taken at positions representative of the noise-sensitive receptors to the proposed infilling operations.
- the measurement positions were located away from reflecting surfaces and as far as reasonably practicable leafy vegetation.
- the long-term measurements included daytime and night-time periods for typical midweek and weekend periods.
- all baseline survey results have been rounded to the nearest decibel (see Error! Reference source not found.); and
- the instrumentation was suitable according to BS EN 61672-1.

With regards to the weather conditions, a weather station was installed at Location 3 for the entirety for the survey period; however as previously stated in **Section 4.2** the equipment failed, therefore the weather conditions were determined via the Weather Underground website² where a weather station was located approximately 14km to the north of the Site.

It is acknowledged that there is an element of uncertainty regarding the weather data, however in the circumstances it is considered that the data used were as representative of the prevailing conditions at the Site during the survey period as reasonably practicable.

² <https://www.wunderground.com/dashboard/pws/IDORKI19>



7.2 Uncertainties relating to Noise Sources and Predicted Noise Levels

7.2.1 Noise Sources

BS 4142:2014+A1:2019 requires consideration of uncertainty associated with the operational levels of the various noise sources utilised in the assessment.

The noise levels for the three items of operational mobile plant, namely the bulldozer, the excavator and the dump truck were determined via official Technical Data Sheets for each item of plant, this minimises the uncertainty as far as reasonably practicable.

The noise levels for the tipper trucks were determined with reference to BS5228, though it is acknowledged that this does provide an element of uncertainty, it is considered that an operational noise level of 107dB for the tippers is robust based on previous experience.

The noise levels for the screener were sourced from previous SLR experience of modelling a very similar item of equipment which has been utilised in assessment of a similar nature and therefore is considered as robust as reasonably practicable.

The noise level of the wheel wash was based on noise measurements undertaken by SLR of a similar wheel wash and is therefore considered robust, it also should be noted that the wheel wash is not a significant noise source at the Site and therefore any uncertainties would not have a significant impact on the predicted noise levels.

7.2.2 Predicted Noise Levels

Based on the accuracy of the prediction methodology (i.e. ISO 9613-2, 2024 the uncertainty of the CadnaA model accuracy, i.e. contour data, barrier corrections for buildings, etc.), it is considered that the results of the assessment are as accurate as reasonably practicable.

The predictions have also assumed downwind propagation between the sources and the NSRs and a reflection factor of 3, which is considered a robust approach.

7.3 Impact of all Uncertainties

The uncertainties regarding the baseline sound survey and subsequent levels have been discussed in **Sections 7.1 and 7.2**.

With reference to these sections, it is considered that the uncertainties have been kept to a minimum as far as reasonably practicable and that the impact of the uncertainties would not change the results or associated conclusions of the assessment.



8.0 Conclusion

SUEZ has appointed SLR to undertake a noise assessment at their Clockhouse Quarry facility located at Horsham Road, Nr Capel, Horsham, RH5 5JL (the Site). SUEZ is seeking to facilitate a low-level restoration of the Site to create a free draining landform and a number of ecological habitats, for which a planning application (MO/2023/0789) has been submitted and approved (with conditions) for the Site.

The purpose of the report is to determine the potential impact of the Proposed Development (infilling operations and restoration) on nearby Noise Sensitive Receptors (NSRs).

With reference to the above this report has presented.

- A description of the Site, the nearest NSRs, current operations and proposed material changes to the Site.
- A description of applicable guidance.
- The results of the environmental sound surveys to determine the baseline sound levels at the nearest NSRs to the Site.
- The results of the noise modelling exercises which have, predicted the noise levels being generated by proposed operations at the Site at the nearest NSRs.
- Based on all of the above, the results of the assessment undertaken in accordance with British Standard 4142:2014+A1:2019 '*Methods for rating and assessing industrial and commercial sound*' as required by the Environment Agency (EA) '*Guidance Noise and vibration management: environmental permits*'.

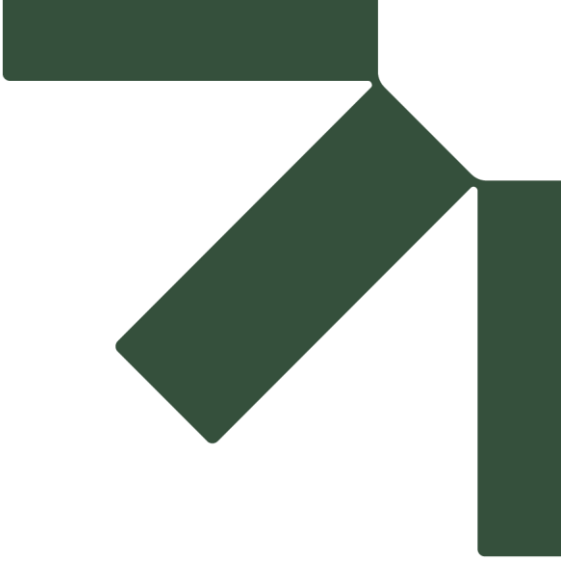
The results of the assessment have indicated that *significant adverse* or *adverse impacts* would be experienced at a number of the NSRs during a number of the phases associated with the works; however, with reference to BS4142 these impacts are dependent on 'context'.

An assessment of context has then been undertaken which considered the following:

- The plant locations and their operation.
- The baseline sound levels utilised and current soundscape.
- The historic use of the Site.
- The predicted noise levels in conjunction with mineral guidance; and
- The BPM implemented at the Site regarding noise abatement

The results of the context assessment concluded that once context has been taken into account the proposed infilling operations would have a *low* impact at the nearest NSRs.





Appendix A SQP Statement

Noise Impact Assessment

Clockhouse Quarry

SUEZ Recycling and Recovery Uk Ltd

SLR Project No.: 403.065294.00001

06 January 2026

A.1 Suitably Qualified Person Statement

The assessment has required a suitable level of technical ability and has been undertaken by a Suitably Qualified Person (SQP). An individual with all the following credentials has been considered a SQP for this assessment:

- Has a minimum of three years' verifiable experience (within the last five years) of providing noise impact assessments in planning. Such experience has clearly demonstrated a practical understanding of factors affecting acoustics in relation to the proposed development use and in the built environment in general, including acting in an advisory capacity to provide recommendations and design advice in planning, and;
- Holds a recognised acoustic qualification and membership of an appropriate professional body. The primary professional body for acoustics in the UK is the Institute of Acoustics.

This assessment has been led and managed by a SQP as defined above.

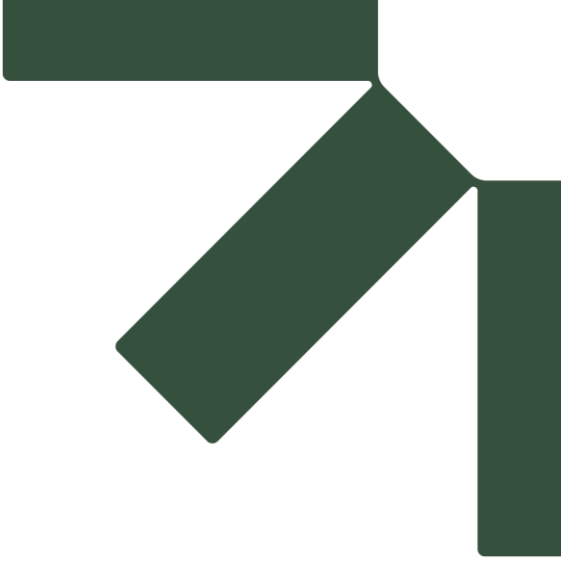
Where some elements of the assessment (e.g. measurements) have been carried out by an acoustician who does not meet the requirements above, this has been undertaken with the direct guidance and supervision of a SQP who has reviewed, agreed and overseen the measurement methodology and any results obtained.

The SQP confirms that the relevant measurements and calculations:

- Represent good industry practice in accordance with available guidance.
- Are appropriate given the development being assessed and scope of works proposed.
- Avoid invalid, biased and exaggerated claims.

The checker and author of this document confirm that they both comply with the definition of a SQP defined in this Section.





Appendix B Calibration Certificates

Noise Impact Assessment

Clockhouse Quarry

SUEZ Recycling and Recovery Uk Ltd

SLR Project No.: 403.065294.00001

06 January 2026



CERTIFICATE OF CALIBRATION

Date of Issue: 17 November 2025

Certificate Number: TCRT25/1854

Issued by:
ANV Measurement Systems
Beaufort Court
17 Roebuck Way
Milton Keynes MK5 8HL
Telephone 01908 642846 Fax 01908 642814
E-Mail: info@noise-and-vibration.co.uk
Web: www.noise-and-vibration.co.uk

Page 1 of 2 Pages
Approved Signatory

B. Bogdan

Acoustics Noise and Vibration Ltd trading as ANV Measurement Systems

Customer SLR Consulting Limited
Cubo, Standard Court
Park Row
Nottingham
Nottinghamshire
NG1 6GN

Order No. 016774-403

Test Procedure Procedure TP 14 Calibration of Sound Calibrators (60942:2017)

Description Acoustic Calibrator

Identification	Manufacturer	Instrument	Model	Serial No.
	Cirrus	Calibrator	CR:515	106413
Public evidence of Type Approval	Yes	Approved by	PTB	

The calibrator has been tested as specified in Annex B of IEC 60942:2017. As public evidence was available, from a testing organisation responsible for approving the results of pattern evaluation tests, to demonstrate that the model of sound calibrator fully conformed to the requirements for pattern evaluation described in Annex A of IEC 60942:2017, the sound calibrator tested is considered to conform to all the class 1 requirements of IEC 60942:2017.

ANV Job No. TRAC25/11497

Date Received 14 November 2025

Date Calibrated 17 November 2025

Previous Certificate	Dated	Initial Calibration
	Certificate No.	
	Laboratory	

This certificate provides traceability of measurement to recognised national standards, and to units of measurement realised at the National Physical Laboratory or other recognised national standards laboratories. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

CERTIFICATE OF CALIBRATION



Certificate Number

TCRT25/1854

Page 2 of 2 Pages

Measurements

The sound pressure level generated by the calibrator (averaged over a 20 to 25 second period) in its WS2 configuration was measured five times (rotating the calibrator on the microphone each time) by the Insert Voltage Method using a microphone as detailed below. The mean of the results obtained is shown below.

The frequency of the sound from the calibrator was measured five times over a 20 to 25 second period and the average frequency calculated.

The total distortion + noise of the sound from the calibrator was measured, using a rejection filter distortion factor meter, five times over a 20 to 25 second period and the average distortion + noise calculated.

Test Microphone	Manufacturer	Type
	Brüel & Kjær	4134

<u>Nominal</u> <u>Setting dB / Hz</u>	<u>Mean Level</u> <u>dB rel 20 μPa</u>	<u>Frequency</u>	<u>Distortion + Noise</u>
94 / 1000	93.81 $\pm$ 0.10	1000.21 $\pm$ 0.12Hz	(0.08 $\pm$ 0.05) %

<u>Environmental conditions during tests</u>	<u>Start</u>	<u>End</u>	
Temperature	23.08	23.31	$\pm$ 0.30 °C
Humidity	43.3	47.1	$\pm$ 3.0 %RH
Ambient Pressure	101.391	101.398	$\pm$ 0.030 kPa

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with the Guide to the Expression of Uncertainty in Measurement published by the International Organisation for Standards (ISO).

The uncertainties refer to the measured values only with no account being taken of the ability of the instrument to maintain its calibration.

A small correction factor may need to be applied to the sound pressure level quoted above if the device is used to calibrate a sound level meter which is fitted with a free-field response microphone. See manufacturers handbook for details.

Note: Calibrator adjusted prior to calibration? NO

Additional Comments The results on this certificate only relate to the items calibrated as identified above.
None

Calibrated by: K. Zablocki

R 1

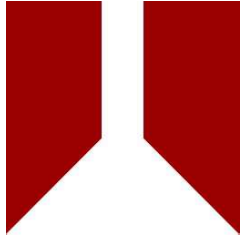
END

CERTIFICATE OF CALIBRATION

ISSUED BY Cirrus Research plc

DATE OF ISSUE 21 October 2024

CERTIFICATE NUMBER 224735



Cirrus Research plc
Acoustic House
Bridlington Road
Hunmanby
North Yorkshire
YO14 0PH
United Kingdom

Page 1 of 2

Approved signatory

A. Windrass

Electronically signed:

Sound Level Meter : IEC 61672-3:2006

Instrument information

Manufacturer: Cirrus Research plc

Notes:

Model: CR:831B

Serial number: C17175FF

Class: 1

Firmware version: V3030

Test summary

Date of calibration: 18 October 2024

The calibration was performed respecting the requirements of ISO/IEC 17025:2017.

Periodic tests were performed in accordance with procedures from IEC 61672-3:2006.

The sound level meter submitted for testing has successfully completed the class 1 periodic tests of IEC 61672-3:2006, for the environmental conditions under which the tests were performed.

However, no general statement or conclusion can be made about conformance of the sound level meter to the full requirements of IEC 61672-1:2002 because evidence was not publicly available, from an independent testing organisation responsible for pattern approvals, to demonstrate that the model of sound level meter fully conformed to the requirements in IEC 61672-1:2002 and because the periodic tests of IEC 61672-3:2006 cover only a limited subset of the specifications in IEC 61672-1:2002.

Notes

This certificate provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory. The results within this certificate relate only to the items calibrated. The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a coverage probability of approximately 95%.

CERTIFICATE OF CALIBRATION

Certificate Number:
224735

Page 2 of 2

Environmental conditions

The following conditions were recorded at the time of the test:

Before	Pressure: 100.27 kPa	Temperature: 20.8 °C	Humidity: 55.8 %
After	Pressure: 100.19 kPa	Temperature: 20.5 °C	Humidity: 56.5 %

Test equipment

Equipment	Manufacturer	Model	Serial number
Signal Generator	SIGLENT	SDG1032X	SDG1XDDQ6R6307
Attenuator	Cirrus Research	ZE:952	52200
Multi-frequency Calibrator	Bruel and Kjaer	4226	2532068

Additional instrument information

Instruction manual:	Technical Data Sheet
Reference level range:	40-110 dB
Pattern approval:	No
Source of pattern approval:	-

Preamplifier

Manufacturer:	Cirrus Research plc
Model:	MV:200C
Serial number:	2188

Microphone

Manufacturer:	Cirrus Research plc
Model:	MK:224
Serial number:	210918D

Test results summary

Test	Result
Self-generated noise	Complies
Acoustic frequency weightings	Complies
Electrical frequency weightings	Complies
Weightings at 1 kHz	Complies
Linearity	Complies
Linearity (all ranges)	Complies
Toneburst response	Complies
C-weighted peak	Complies
Overload	Complies

Acoustic Calibrator

Manufacturer:	B&K
Model:	Type 4231
Serial number:	2579252

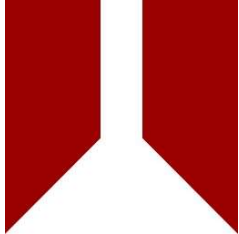
Calibration

Calibration check frequency:	1000 Hz
Calibrator's certificate ref:	001
Level before adjustment:	94.20 dB(A)
Level after adjustment:	93.70 dB(A)

CERTIFICATE OF CALIBRATION

ISSUED BY **Cirrus Research plc**

DATE OF ISSUE **08 November 2024** CERTIFICATE NUMBER **226306**



Cirrus Research plc
Acoustic House
Bridlington Road
Hunmanby
North Yorkshire
YO14 0PH
United Kingdom

Page 1 of 2

Approved signatory

K.Besau

Electronically signed:

Sound Calibrator : IEC 60942:2017

Instrument information

Manufacturer: Cirrus Research plc

Notes:

Model: CR:515

Serial number: 106193

Class: 1

Test summary

Date of calibration: 29 October 2024

The sound calibrator detailed above has been calibrated to the published data as described in the operating manual and in the half-inch configuration. The procedures and techniques used are as described in IEC60942_2017 Annex B – Periodic Tests and three determinations of the sound pressure level, frequency and total distortion were made.

The sound pressure level was measured using a WS2F condenser microphone type MK:224 manufactured by Cirrus Research plc.

The results have been corrected to the reference pressure of 101.33 kPa using the manufacturer's data.

As public evidence was available, from a testing organisation responsible for approving the results of pattern evaluation tests, to demonstrate that the model of sound calibrator fully conformed to the requirements for pattern evaluation described in Annex A of IEC 60942:2017, the sound calibrator tested is considered to conform to all the Class 1 requirements of IEC 60942:2017.

The manufacturer's product information indicates that this model of sound calibrator has been formally pattern approved to IEC60942_2017 Annex A to Class 1. This has been confirmed by Physikalisch-Technische Bundesanstalt (PTB) and Laboratoire National d'Essais (LNE).

Notes:

This certificate provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory. The results within this certificate relate only to the items calibrated. The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a coverage probability of approximately 95%.

CERTIFICATE OF CALIBRATION

Certificate Number:
226306

Page 2 of 2

Environmental conditions

The following conditions were recorded at the time of the test:

Pressure:101.86 kPa

Temperature:22.5 °C

Humidity:48.5 %

Test equipment

Equipment	Manufacturer	Model	Serial number
Distortion Meter	Keithley	2015	1175401
Acoustic Calibrator	Bruel and Kjaer	4231	2393941
Environmental Monitor	Comet	T7310	22792092

Results

	Expected	Sample 1	Sample 2	Sample 3	Average	Deviation	Acceptance limit	Uncertainty
Level (dB)	94.00	93.99	93.98	93.93	93.97	-0.03	±0.25	0.11 dB
Distortion (%)	< 3.00	0.99	1.05	1.08	1.04	1.04	+2.50	0.13 %
Frequency (Hz)	1000.0	1000.1	1000.5	999.7	1000.1	0.1	±7.0	0.1 Hz

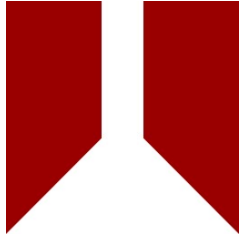
End of results

CERTIFICATE OF CALIBRATION

ISSUED BY Cirrus Research plc

DATE OF ISSUE 03 May 2024

CERTIFICATE NUMBER 213697



Cirrus Research plc
Acoustic House
Bridlington Road
Hunmanby
North Yorkshire
YO14 0PH
United Kingdom

Page 1 of 2

Approved signatory

R.Thomas

Electronically signed:

Sound Level Meter : IEC 61672-3:2013

Instrument information

Manufacturer: Cirrus Research plc

Notes:

Model: CR:171B

Serial number: G079816

Class: 1

Firmware version: 3.3.3386

Test summary

Date of calibration: 03 May 2024

The calibration was performed respecting the requirements of ISO/IEC 17025:2017.

Periodic tests were performed in accordance with procedures from IEC 61672-3:2013.

The sound level meter submitted for testing successfully completed the class 1 periodic tests of IEC 61672-3:2013, for the environmental conditions under which the tests were performed.

However, no general statement or conclusion can be made about conformance of the sound level meter to the full specifications of IEC 61672-1:2013 because (a) evidence was not publicly available, from an independent testing organisation responsible for pattern approvals, to determine that the model of sound level meter fully conformed to the class 1 specifications in IEC 61672-1:2013 or correction data for acoustical test of frequency weighting were not provided in the Instruction Manual and (b) because the periodic tests of IEC 61672-3:2013 cover only a limited subset of the specifications in IEC 61672-1:2013.

Notes

This certificate provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory. The results within this certificate relate only to the items calibrated. The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a coverage probability of approximately 95%.

CERTIFICATE OF CALIBRATION

Certificate Number:
213697

Page 2 of 2

Environmental conditions

The following conditions were recorded at the time of the test:

Before	Pressure: 99.90 kPa	Temperature: 20.9 °C	Humidity: 51.8 %
After	Pressure: 99.78 kPa	Temperature: 20.7 °C	Humidity: 51.7 %

Test equipment

Equipment	Manufacturer	Model	Serial number
Signal Generator	SIGLENT	SDG1032X	SDG1XDDQ6R6309
Attenuator	Cirrus Research	ZE:952	93892
Environmental Monitor	Comet	T7510	16966334

Additional instrument information

Instruction manual:
Reference level range: Single range
Pattern approval: No
Source of pattern approval: -

Preamplifier

Model: MV:200F
Serial number: 13588F

Microphone

Model: MK:224
Serial number: 213074D

Test results summary

Test	Result
Toneburst response	Complies
Electrical noise-floor	Complies
Linearity	Complies
Electrical Frequency weightings	Complies
Frequency and time weightings at 1 kHz	Complies
C-weighted peak	Complies
Overload indication	Complies
High level stability	Complies
Long-term stability	Complies
Acoustic Frequency weightings	Complies



CERTIFICATE OF CALIBRATION

Date of Issue: 11 July 2025

Certificate Number: TCRT25/1538

Issued by:

ANV Measurement Systems

Beaufort Court

17 Roebuck Way

Milton Keynes MK5 8HL

Telephone 01908 642846 Fax 01908 642814

E-Mail: info@noise-and-vibration.co.uk

Web: www.noise-and-vibration.co.uk

Acoustics Noise and Vibration Ltd trading as ANV Measurement Systems

Page 1 of 2 Pages

Approved Signatory

K. Mistry

A handwritten signature in blue ink, appearing to read 'K. Mistry', is written over a horizontal line.

CUSTOMER SLR Consulting Limited
Standard Court
Park Row
Nottingham
NG1 6GN

ORDER No 016631-403

Job No TRAC25/06260

DATE OF RECEIPT 09 June 2025

PROCEDURE Procedure TP 1 Calibration of Sound Calibrators

IDENTIFICATION Sound Calibrator Cirrus type CR:515 serial number 93674 with half-inch housing

CALIBRATED ON 11 July 2025

This certificate provides traceability of measurement to recognised national standards, and to units of measurement realised at the National Physical Laboratory or other recognised national standards laboratories. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

CERTIFICATE OF CALIBRATION



Certificate Number

TCRT25/1538

Page 2 of 2 Pages

MEASUREMENTS

The sound pressure level generated by the Sound Calibrator in its half-inch configuration was measured using a B&K type 4134 microphone with the protective grid in position. The microphone sensitivity was traceable to National Standards.

RESULTS

The mean level of the calibrator output was

94.01 ± 0.10 dB rel 20 μ Pa

The fundamental frequency of the sound output was 1000.30 Hz $\pm$ 0.12 Hz,
and its total distortion was (0.08 $\pm$ 0.05) %.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with the Guide to the Expression of Uncertainty in Measurement published by ISO.

During the measurements the laboratory environmental conditions were:

Temperature: 23.04 to 23.89 °C

Atmospheric pressure: 100.992 to 101.107 kPa

Relative humidity: 47.0 to 60.0 %

The tests carried out were as specified in Annex B of BS EN 60942:2003, but with five determinations of sound pressure level, and limited to the above level(s) & freq(s). As public evidence was available from a testing organisation responsible for approving the results of pattern evaluation tests, to demonstrate that the model of sound calibrator fully conformed to the requirements for pattern evaluation described in Annex A of IEC 60942:2003, the sound calibrator tested is considered to conform to all the class 1 requirements of IEC 60942:2003.

NOTE

Prior to calibration, the unit was repaired.

Calibrator adjusted

No

END

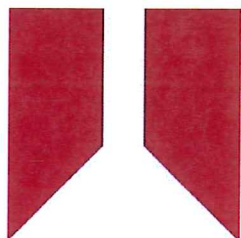
R 2

CERTIFICATE OF CALIBRATION

ISSUED BY Cirrus Research plc

DATE OF ISSUE 26 October 2023

CERTIFICATE NUMBER 201509



Cirrus Research plc
Acoustic House
Bridlington Road
Hunmanby
North Yorkshire
YO14 0PH
United Kingdom

Page 1 of 2

Approved signatory

S.Doveton

Electronically signed:

Sound Level Meter : IEC 61672-3:2013

Instrument information

Manufacturer: Cirrus Research plc
Model: CR:171B
Serial number: G301839
Class: 1
Firmware version: 5.8.3251

Notes:

Test summary

Date of calibration: 26 October 2023

The calibration was performed respecting the requirements of ISO/IEC 17025:2017.
Periodic tests were performed in accordance with procedures from IEC 61672-3:2013.

The sound level meter submitted for testing successfully completed the class 1 periodic tests of IEC 61672-3:2013, for the environmental conditions under which the tests were performed.

However, no general statement or conclusion can be made about conformance of the sound level meter to the full specifications of IEC 61672-1:2013 because (a) evidence was not publicly available, from an independent testing organisation responsible for pattern approvals, to determine that the model of sound level meter fully conformed to the class 1 specifications in IEC 61672-1:2013 or correction data for acoustical test of frequency weighting were not provided in the Instruction Manual and (b) because the periodic tests of IEC 61672-3:2013 cover only a limited subset of the specifications in IEC 61672-1:2013.

Notes

This certificate provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory. The results within this certificate relate only to the items calibrated. The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a coverage probability of approximately 95%.

CERTIFICATE OF CALIBRATION

Certificate Number:
201509

Page 2 of 2

Environmental conditions

The following conditions were recorded at the time of the test:

Before	Pressure: 98.38 kPa	Temperature: 21.2 °C	Humidity: 50.6 %
After	Pressure: 98.35 kPa	Temperature: 21.7 °C	Humidity: 51.2 %

Test equipment

Equipment	Manufacturer	Model	Serial number
Signal Generator	KEYSIGHT	33511B	MY58001681
Attenuator	Cirrus Research	ZE:952	64370
Environmental Monitor	Comet	T7510	16966334

Additional instrument information

Instruction manual:

Reference level range: Single range

Pattern approval: No

Source of pattern approval: -

Preamplifier

Model: MV:200F

Serial number: 10630F

Microphone

Model: MK:224

Serial number: 217396D

Test results summary

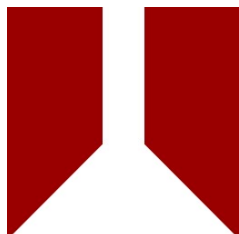
Test	Result
Toneburst response	Complies
Electrical noise-floor	Complies
Linearity	Complies
Electrical Frequency weightings	Complies
Frequency and time weightings at 1 kHz	Complies
C-weighted peak	Complies
Overload indication	Complies
High level stability	Complies
Long-term stability	Complies
Acoustic Frequency weightings	Complies

CERTIFICATE OF CALIBRATION

ISSUED BY Cirrus Research plc

DATE OF ISSUE 08 January 2025

CERTIFICATE NUMBER 229806



Cirrus Research plc
Acoustic House
Bridlington Road
Hunmanby
North Yorkshire
YO14 0PH
United Kingdom

Page 1 of 2

Approved signatory

T. Goodrich

Electronically signed:

Sound Calibrator : IEC 60942:2003

Instrument information

Manufacturer: Cirrus Research plc

Notes:

Model: CR:515

Serial number: 83349

Class: 1

Test summary

Date of calibration: 08 January 2025

The sound calibrator detailed above has been calibrated to the published data as described in the operating manual and in the half-inch configuration. The procedures and techniques used are as described in IEC60942_2003 Annex B – Periodic Tests and three determinations of the sound pressure level, frequency and total distortion were made.

The sound pressure level was measured using a WS2F condenser microphone type MK:224 manufactured by Cirrus Research plc.

The results have been corrected to the reference pressure of 101.33 kPa using the manufacturer's data.

As public evidence was available, from a testing organisation responsible for approving the results of pattern evaluation tests, to demonstrate that the model of sound calibrator fully conformed to the requirements for pattern evaluation described in Annex A of IEC 60942:2003, the sound calibrator tested is considered to conform to all the Class 1 requirements of IEC 60942:2003.

The manufacturer's product information indicates that this model of sound calibrator has been formally pattern approved to IEC60942_2003 Annex A to Class 1. This has been confirmed by Laboratoire National d'Essais (LNE), Physikalisch-Technische Bundesanstalt (PTB) and APPLUS (APPLUS).

Notes:

This certificate provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory. The results within this certificate relate only to the items calibrated. The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a coverage probability of approximately 95%.

CERTIFICATE OF CALIBRATION

Certificate Number:
229806

Page 2 of 2

Environmental conditions

The following conditions were recorded at the time of the test:

Pressure:99.33 kPa

Temperature:21.8 °C

Humidity:39.7 %

Test equipment

Equipment	Manufacturer	Model	Serial number
Distortion Meter	Keithley	2015	1053426
Environmental Monitor	Comet	T7510	21962628

Results

	Expected	Sample 1	Sample 2	Sample 3	Average	Deviation	Tolerance	Uncertainty
Level (dB)	94.00	94.01	94.02	94.01	94.01	0.01	±0.40	0.11 dB
Distortion (%)	< 3.00	0.20	0.44	0.52	0.39	0.39	+3.00	0.13 %
Frequency (Hz)	1000.0	1000.4	1000.5	1000.3	1000.4	0.4	±10.0	0.1 Hz

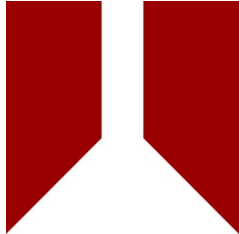
The measured quantities or deviations (as applicable), extended by the expanded combined uncertainty of measurement, must not exceed the corresponding tolerance.

CERTIFICATE OF CALIBRATION

ISSUED BY **Cirrus Research**

DATE OF ISSUE **26 April 2024**

CERTIFICATE NUMBER **213251**



**Cirrus Research
Acoustic House
Bridlington Road
Hunmanby
North Yorkshire
YO14 0PH
United Kingdom**

Page 1 of 2

Approved signatory

R.Thomas

Electronically signed:

Sound Level Meter : IEC 61672-3:2013

Instrument information

Manufacturer: Cirrus Research plc

Notes:

Model: CR:171B

Serial number: G304870

Class: 1

Firmware version: 5.8.3251

Test summary

Date of calibration: 23 April 2024

The calibration was performed respecting the requirements of ISO/IEC 17025:2017.

Periodic tests were performed in accordance with procedures from IEC 61672-3:2013.

The sound level meter submitted for testing successfully completed the class 1 periodic tests of IEC 61672-3:2013, for the environmental conditions under which the tests were performed.

However, no general statement or conclusion can be made about conformance of the sound level meter to the full specifications of IEC 61672-1:2013 because (a) evidence was not publicly available, from an independent testing organisation responsible for pattern approvals, to determine that the model of sound level meter fully conformed to the class 1 specifications in IEC 61672-1:2013 or correction data for acoustical test of frequency weighting were not provided in the Instruction Manual and (b) because the periodic tests of IEC 61672-3:2013 cover only a limited subset of the specifications in IEC 61672-1:2013.

Notes

This certificate provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory. The results within this certificate relate only to the items calibrated. The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a coverage probability of approximately 95%.

CERTIFICATE OF CALIBRATION

Certificate Number:
213251

Page 2 of 2

Environmental conditions

The following conditions were recorded at the time of the test:

Before	Pressure: 101.67 kPa	Temperature: 22.3 °C	Humidity: 42.4 %
After	Pressure: 101.65 kPa	Temperature: 22.4 °C	Humidity: 43.4 %

Test equipment

Equipment	Manufacturer	Model	Serial number
Signal Generator	SIGLENT	SDG1032X	SDG1XDDQ6R6309
Attenuator	Cirrus Research	ZE:952	93892
Environmental Monitor	Comet	T7510	16966334

Additional instrument information

Instruction manual:

Reference level range: Single range

Pattern approval: No

Source of pattern approval: -

Preamplifier

Model: MV:200F

Serial number: 13628F

Microphone

Model: MK:224

Serial number: 217206A

Test results summary

Test	Result
Toneburst response	Complies
Electrical noise-floor	Complies
Linearity	Complies
Electrical Frequency weightings	Complies
Frequency and time weightings at 1 kHz	Complies
C-weighted peak	Complies
Overload indication	Complies
High level stability	Complies
Long-term stability	Complies
Acoustic Frequency weightings	Complies



CERTIFICATE OF CALIBRATION

Date of Issue: 11 December 2025

Certificate Number: TCRT25/1926

Issued by:

ANV Measurement Systems

Beaufort Court

17 Roebuck Way

Milton Keynes MK5 8HL

Telephone 01908 642846 Fax 01908 642814

E-Mail: info@noise-and-vibration.co.uk

Web: www.noise-and-vibration.co.uk

Acoustics Noise and Vibration Ltd trading as ANV Measurement Systems

Page 1 of 2 Pages

Approved Signatory

A handwritten signature in black ink, appearing to read 'B. Bogdan', is written over a light blue horizontal line.

B. Bogdan

CUSTOMER
SLR Consulting Limited
Cubo, Standard Court
Park Row
Nottingham
Nottinghamshire
NG1 6GN

ORDER No 016774-403 **Job No** TRAC25/12537

DATE OF RECEIPT 09 December 2025

PROCEDURE Procedure TP 1 Calibration of Sound Calibrators

IDENTIFICATION Sound Calibrator Cirrus type CR:515 serial number 99952 with half-inch housing

CALIBRATED ON 11 December 2025

PREVIOUS CALIBRATION Calibrated on 07 November 2024, Certificate No. 226232 issued by Cirrus Research

This certificate provides traceability of measurement to recognised national standards, and to units of measurement realised at the National Physical Laboratory or other recognised national standards laboratories. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

CERTIFICATE OF CALIBRATION



Certificate Number

TCRT25/1926

Page 2 of 2 Pages

MEASUREMENTS

The sound pressure level generated by the Sound Calibrator in its half-inch configuration was measured using a B&K type 4134 microphone with the protective grid in position. The microphone sensitivity was traceable to National Standards.

RESULTS

The mean level of the calibrator output was

94.01 ± 0.10 dB rel 20 μ Pa

The fundamental frequency of the sound output was 1000.28 Hz ± 0.12 Hz,
and its total distortion was (0.13 ± 0.05) %.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with the Guide to the Expression of Uncertainty in Measurement published by ISO.

During the measurements the laboratory environmental conditions were:

Temperature: 22.01 to 22.84 °C

Atmospheric pressure: 100.670 to 100.760 kPa

Relative humidity: 47.0 to 53.0 %

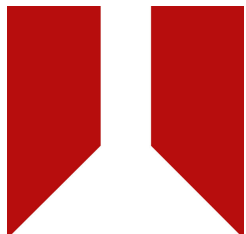
The tests carried out were as specified in Annex B of BS EN 60942:2003, but with five determinations of sound pressure level, and limited to the above level(s) & freq(s). As public evidence was available from a testing organisation responsible for approving the results of pattern evaluation tests, to demonstrate that the model of sound calibrator fully conformed to the requirements for pattern evaluation described in Annex A of IEC 60942:2003, the sound calibrator tested is considered to conform to all the class 1 requirements of IEC 60942:2003.

CERTIFICATE OF CALIBRATION

ISSUED BY Cirrus Research plc

DATE OF ISSUE 23 October 2024

CERTIFICATE NUMBER 224983



Cirrus Research plc
Acoustic House
Bridlington Road
Hunmanby
North Yorkshire
YO14 0PH
United Kingdom

Page 1 of 2

Approved signatory

T. Goodrich

Electronically signed:

Sound Level Meter : IEC 61672-3:2013

Instrument information

Manufacturer: Cirrus Research plc

Notes:

Model: CR:171B

Serial number: G400055

Class: 1

Firmware version: 5.8.3251

Test summary

Date of calibration: 23 October 2024

The calibration was performed respecting the requirements of ISO/IEC 17025:2017.

Periodic tests were performed in accordance with procedures from IEC 61672-3:2013.

The sound level meter submitted for testing successfully completed the class 1 periodic tests of IEC 61672-3:2013, for the environmental conditions under which the tests were performed.

However, no general statement or conclusion can be made about conformance of the sound level meter to the full specifications of IEC 61672-1:2013 because (a) evidence was not publicly available, from an independent testing organisation responsible for pattern approvals, to determine that the model of sound level meter fully conformed to the class 1 specifications in IEC 61672-1:2013 or correction data for acoustical test of frequency weighting were not provided in the Instruction Manual and (b) because the periodic tests of IEC 61672-3:2013 cover only a limited subset of the specifications in IEC 61672-1:2013.

Notes

This certificate provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory. The results within this certificate relate only to the items calibrated. The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a coverage probability of approximately 95%.

CERTIFICATE OF CALIBRATION

Certificate Number:

224983

Page 2 of 2

Environmental conditions

The following conditions were recorded at the time of the test:

Before	Pressure: 102.33 kPa	Temperature: 22.9 °C	Humidity: 45.4 %
After	Pressure: 102.30 kPa	Temperature: 22.9 °C	Humidity: 46 %

Test equipment

Equipment	Manufacturer	Model	Serial number
Signal Generator	TTi	TG4001	350658
Attenuator	Cirrus Research	ZE:952	93890
Environmental Monitor	Comet	T7510	16966334
Acoustic Calibrator	Bruel and Kjaer	4231	2594797

Additional instrument information

Instruction manual:

Reference level range: Single range

Pattern approval: No

Source of pattern approval: -

Preamplifier

Model: MV:200F

Serial number: 12896F

Microphone

Model: MK:224

Serial number: 216095D

Test results summary

Test	Result
Toneburst response	Complies
Electrical noise-floor	Complies
Linearity	Complies
Electrical Frequency weightings	Complies
Frequency and time weightings at 1 kHz	Complies
C-weighted peak	Complies
Overload indication	Complies
High level stability	Complies
Long-term stability	Complies
Acoustic Frequency weightings	Complies



CERTIFICATE OF CALIBRATION

Date of Issue: 19 February 2025

Certificate Number: TCRT25/1156

Issued by:

ANV Measurement Systems

Beaufort Court

17 Roebuck Way

Milton Keynes MK5 8HL

Telephone 01908 642846 Fax 01908 642814

E-Mail: info@noise-and-vibration.co.uk

Web: www.noise-and-vibration.co.uk

Acoustics Noise and Vibration Ltd trading as ANV Measurement Systems

Page 1 of 2 Pages

Approved Signatory

K. Mistry

A handwritten signature in blue ink, appearing to read 'K. Mistry', is written over a horizontal line.

CUSTOMER SLR Consulting Limited
Standard Court
Park Row
Nottingham
Nottinghamshire
NG1 6GN

ORDER No 014392-403 **Job No** TRAC25/02081

DATE OF RECEIPT 18 February 2025

PROCEDURE Procedure TP 1 Calibration of Sound Calibrators

IDENTIFICATION Sound Calibrator Cirrus type CR:515 serial number 97661 with half-inch housing

CALIBRATED ON 19 February 2025

PREVIOUS CALIBRATION Calibrated on 08 December 2023, Certificate No. 204414 issued by Cirrus Research

This certificate provides traceability of measurement to recognised national standards, and to units of measurement realised at the National Physical Laboratory or other recognised national standards laboratories. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

CERTIFICATE OF CALIBRATION



Certificate Number

TCRT25/1156

Page 2 of 2 Pages

MEASUREMENTS

The sound pressure level generated by the Sound Calibrator in its half-inch configuration was measured using a B&K type 4134 microphone with the protective grid in position. The microphone sensitivity was traceable to National Standards.

RESULTS

The mean level of the calibrator output was

$$94.07 \pm 0.10 \text{ dB rel } 20 \mu\text{Pa}$$

The fundamental frequency of the sound output was $1000.30 \text{ Hz} \pm 0.12 \text{ Hz}$, and its total distortion was $(0.11 \pm 0.02) \%$.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with the Guide to the Expression of Uncertainty in Measurement published by ISO.

During the measurements the laboratory environmental conditions were:

Temperature: 22.40 to 23.09 °C

Atmospheric pressure: 100.408 to 100.479 kPa

Relative humidity: 33.0 to 42.0 %

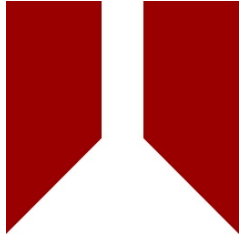
The tests carried out were as specified in Annex B of BS EN 60942:2003, but with five determinations of sound pressure level, and limited to the above level(s) & freq(s). As public evidence was available from a testing organisation responsible for approving the results of pattern evaluation tests, to demonstrate that the model of sound calibrator fully conformed to the requirements for pattern evaluation described in Annex A of IEC 60942:2003, the sound calibrator tested is considered to conform to all the class 1 requirements of IEC 60942:2003.

CERTIFICATE OF CALIBRATION

ISSUED BY Cirrus Research plc

DATE OF ISSUE 08 December 2023

CERTIFICATE NUMBER 204524



Cirrus Research plc
Acoustic House
Bridlington Road
Hunmanby
North Yorkshire
YO14 0PH
United Kingdom

Page 1 of 2

Approved signatory

M.Berry

Electronically signed:

Sound Level Meter : IEC 61672-3:2013

Instrument information

Manufacturer: Cirrus Research plc

Notes:

Model: CR:171B

Serial number: G303390

Class: 1

Firmware version: 5.8.3251

Test summary

Date of calibration: 08 December 2023

The calibration was performed respecting the requirements of ISO/IEC 17025:2017.

Periodic tests were performed in accordance with procedures from IEC 61672-3:2013.

The sound level meter submitted for testing successfully completed the class 1 periodic tests of IEC 61672-3:2013, for the environmental conditions under which the tests were performed.

However, no general statement or conclusion can be made about conformance of the sound level meter to the full specifications of IEC 61672-1:2013 because (a) evidence was not publicly available, from an independent testing organisation responsible for pattern approvals, to determine that the model of sound level meter fully conformed to the class 1 specifications in IEC 61672-1:2013 or correction data for acoustical test of frequency weighting were not provided in the Instruction Manual and (b) because the periodic tests of IEC 61672-3:2013 cover only a limited subset of the specifications in IEC 61672-1:2013.

Notes

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CERTIFICATE OF CALIBRATION

Certificate Number:
204524

Page 2 of 2

Environmental conditions

The following conditions were recorded at the time of the test:

Before	Pressure: 99.31 kPa	Temperature: 22.4 °C	Humidity: 45.2 %
After	Pressure: 99.31 kPa	Temperature: 22.3 °C	Humidity: 45.5 %

Test equipment

Equipment	Manufacturer	Model	Serial number
Signal Generator	SIGLENT	SDG1032X	SDG1XDDC7R0237
Attenuator	Cirrus Research	ZE:952	78135
Environmental Monitor	Comet	T7510	16966334

Additional instrument information

Instruction manual:
Reference level range: Single range
Pattern approval: No
Source of pattern approval: -

Preamplifier

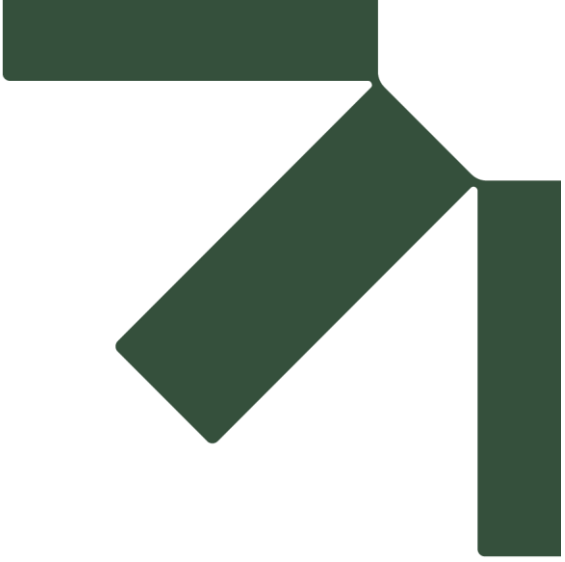
Model: MV:200F
Serial number: 8945F

Microphone

Model: MK:224
Serial number: 214218D

Test results summary

Test	Result
Toneburst response	Complies
Electrical noise-floor	Complies
Linearity	Complies
Electrical Frequency weightings	Complies
Frequency and time weightings at 1 kHz	Complies
C-weighted peak	Complies
Overload indication	Complies
High level stability	Complies
Long-term stability	Complies
Acoustic Frequency weightings	Complies



Appendix C Full Survey Results

Noise Impact Assessment

Clockhouse Quarry

SUEZ Recycling and Recovery Uk Ltd

SLR Project No.: 403.065294.00001

06 January 2026

Table C-1: Location 1 – Environmental Sound Survey Data

Location 1				
Date	Time	L _{Aeq, T} (dB)	L _{max, T} (dB)	L _{A90, T} (dB)
05/06/2025	10:06	58.9	77.3	44.7
05/06/2025	10:15	54.6	73.6	45.1
05/06/2025	10:30	55.2	71.5	44.5
05/06/2025	10:45	56.4	76.9	46.0
05/06/2025	11:00	56.0	73.5	47.0
05/06/2025	11:15	56.8	75.6	47.0
05/06/2025	11:30	55.6	73.5	47.6
05/06/2025	11:45	54.2	74.2	45.9
05/06/2025	12:00	56.3	75.7	47.9
05/06/2025	12:15	57.3	73.9	46.9
05/06/2025	12:30	58.1	77.8	45.5
05/06/2025	12:45	58.4	75.7	46.2
05/06/2025	13:00	58.5	76.2	44.8
05/06/2025	13:15	57.0	76.1	46.0
05/06/2025	13:30	54.0	73.4	45.1
05/06/2025	13:45	57.6	76.1	46.0
05/06/2025	14:00	55.0	71.1	46.4
05/06/2025	14:15	55.2	74.2	43.1
05/06/2025	14:30	53.2	71.6	42.3
05/06/2025	14:45	55.6	75.0	43.3
05/06/2025	15:00	56.7	76.3	43.8
05/06/2025	15:15	56.3	73.0	46.3
05/06/2025	15:30	53.5	69.3	46.2
05/06/2025	15:45	53.6	72.6	46.2
05/06/2025	16:00	54.5	71.4	45.9
05/06/2025	16:15	51.0	67.5	45.1
05/06/2025	16:30	55.3	73.3	45.4
05/06/2025	16:45	56.0	74.4	46.6
05/06/2025	17:00	54.4	72.5	45.7
05/06/2025	17:15	54.5	72.4	44.8
05/06/2025	17:30	58.0	76.3	46.1
05/06/2025	17:45	54.8	73.8	44.5



Location 1				
05/06/2025	18:00	56.3	74.0	44.3
05/06/2025	18:15	56.9	73.9	45.2
05/06/2025	18:30	56.5	75.7	45.0
05/06/2025	18:45	54.1	71.3	44.8
05/06/2025	19:00	57.5	74.1	44.2
05/06/2025	19:15	55.4	72.8	44.5
05/06/2025	19:30	53.3	71.0	42.8
05/06/2025	19:45	56.5	73.8	42.9
05/06/2025	20:00	56.0	74.4	40.5
05/06/2025	20:15	53.7	70.2	40.2
05/06/2025	20:30	55.2	72.2	40.4
05/06/2025	20:45	55.9	72.9	45.2
05/06/2025	21:00	55.2	75.3	43.2
05/06/2025	21:15	49.3	65.7	41.5
05/06/2025	21:30	57.6	75.2	41.5
05/06/2025	21:45	55.9	73.3	38.8
05/06/2025	22:00	53.0	71.3	38.3
05/06/2025	22:15	54.7	72.0	37.4
05/06/2025	22:30	51.7	70.9	36.3
05/06/2025	22:45	52.0	72.3	32.7
05/06/2025	23:00	39.7	47.7	32.4
05/06/2025	23:15	42.4	72.3	30.1
05/06/2025	23:30	38.0	55.2	29.9
05/06/2025	23:45	37.7	50.4	29.5
06/06/2025	00:00	38.2	49.1	28.5
06/06/2025	00:15	39.5	53.2	27.8
06/06/2025	00:30	37.8	47.4	27.2
06/06/2025	00:45	37.6	45.2	26.8
06/06/2025	01:00	35.1	45.2	25.4
06/06/2025	01:15	36.8	49.8	24.7
06/06/2025	01:30	33.8	48.5	22.9
06/06/2025	01:45	31.1	43.8	21.8
06/06/2025	02:00	33.5	44.3	22.8
06/06/2025	02:15	37.2	60.2	25.3
06/06/2025	02:30	34.1	49.4	23.2
06/06/2025	02:45	33.9	45.2	24.2



Location 1				
06/06/2025	03:00	32.8	43.3	23.0
06/06/2025	03:15	34.4	45.2	23.9
06/06/2025	03:30	34.2	43.9	23.6
06/06/2025	03:45	35.8	46.9	25.1
06/06/2025	04:00	46.2	60.8	33.1
06/06/2025	04:15	48.6	60.4	41.6
06/06/2025	04:30	49.5	61.5	40.1
06/06/2025	04:45	46.0	59.6	37.5
06/06/2025	05:00	45.6	64.6	37.5
06/06/2025	05:15	47.0	64.1	39.1
06/06/2025	05:30	51.6	68.3	39.3
06/06/2025	05:45	53.9	71.6	41.4
06/06/2025	06:00	52.1	71.8	42.3
06/06/2025	06:15	57.4	71.7	42.2
06/06/2025	06:30	55.2	72.3	42.7
06/06/2025	06:45	57.3	75.7	43.1
06/06/2025	07:00	57.6	72.3	43.8
06/06/2025	07:15	57.4	75.9	44.7
06/06/2025	07:30	56.2	70.8	44.3
06/06/2025	07:45	55.5	73.4	44.0
06/06/2025	08:00	56.1	76.4	44.7
06/06/2025	08:15	58.7	72.3	46.4
06/06/2025	08:30	56.4	73.1	46.5
06/06/2025	08:45	55.9	74.1	45.7
06/06/2025	09:00	55.1	71.6	46.8
06/06/2025	09:15	62.2	75.3	48.8
06/06/2025	09:30	58.5	74.1	50.0
06/06/2025	09:45	58.8	71.2	47.0
06/06/2025	10:00	55.4	72.7	45.7
06/06/2025	10:15	54.8	73.1	44.8
06/06/2025	10:30	54.3	74.1	45.4
06/06/2025	10:45	58.1	74.5	46.5
06/06/2025	11:00	55.5	75.0	45.9
06/06/2025	11:15	57.9	74.4	43.7
06/06/2025	11:30	56.5	75.9	45.4
06/06/2025	11:45	58.6	79.2	45.3



Location 1				
06/06/2025	12:00	55.0	75.0	45.7
06/06/2025	12:15	57.4	76.6	46.1
06/06/2025	12:30	58.8	76.9	45.8
06/06/2025	12:45	58.2	77.1	45.9
06/06/2025	13:00	55.7	75.5	44.2
06/06/2025	13:15	56.1	75.2	45.0
06/06/2025	13:30	58.0	75.5	44.4
06/06/2025	13:45	57.7	76.3	44.6
06/06/2025	14:00	56.2	77.2	44.8
06/06/2025	14:15	57.2	76.3	45.0
06/06/2025	14:30	55.4	73.7	44.3
06/06/2025	14:45	57.8	81.0	44.5
06/06/2025	15:00	56.8	75.7	45.2
06/06/2025	15:15	57.9	76.5	44.7
06/06/2025	15:30	56.5	74.8	44.8
06/06/2025	15:45	56.2	75.9	45.9
06/06/2025	16:00	56.2	72.7	45.6
06/06/2025	16:15	56.5	78.2	44.6
06/06/2025	16:30	56.2	75.2	46.6
06/06/2025	16:45	56.2	74.8	46.3
06/06/2025	17:00	55.3	73.0	45.3
06/06/2025	17:15	56.4	74.5	45.2
06/06/2025	17:30	57.1	73.8	45.0
06/06/2025	17:45	57.4	77.6	44.1
06/06/2025	18:00	55.8	71.9	44.2
06/06/2025	18:15	57.3	73.2	45.7
06/06/2025	18:30	57.7	73.9	45.6
06/06/2025	18:45	56.1	72.9	45.2
06/06/2025	19:00	56.1	75.8	45.8
06/06/2025	19:15	56.3	75.7	43.4
06/06/2025	19:30	55.1	73.7	42.8
06/06/2025	19:45	56.5	72.9	42.5
06/06/2025	20:00	55.4	72.9	41.6
06/06/2025	20:15	49.9	66.5	41.0
06/06/2025	20:30	55.8	74.1	41.6
06/06/2025	20:45	56.1	73.8	40.0



Location 1				
06/06/2025	21:00	53.6	69.3	40.0
06/06/2025	21:15	53.8	70.2	39.4
06/06/2025	21:30	54.9	71.4	38.4
06/06/2025	21:45	51.1	71.5	36.2
06/06/2025	22:00	47.7	67.8	37.0
06/06/2025	22:15	53.7	73.9	30.0
06/06/2025	22:30	53.4	74.0	34.9
06/06/2025	22:45	45.8	65.0	35.0
06/06/2025	23:00	43.2	59.3	30.4
06/06/2025	23:15	38.5	57.5	31.2
06/06/2025	23:30	37.7	44.3	30.2
06/06/2025	23:45	35.9	45.2	30.8
07/06/2025	00:00	38.1	51.3	29.3
07/06/2025	00:15	54.1	71.4	30.7
07/06/2025	00:30	37.2	44.0	31.4
07/06/2025	00:45	37.3	45.9	31.5
07/06/2025	01:00	35.4	45.9	29.5
07/06/2025	01:15	48.3	61.9	32.8
07/06/2025	01:30	50.0	62.8	46.9
07/06/2025	01:45	50.5	62.0	48.3
07/06/2025	02:00	56.3	64.0	49.8
07/06/2025	02:15	50.4	58.3	44.3
07/06/2025	02:30	43.9	58.2	42.1
07/06/2025	02:45	41.8	55.0	39.8
07/06/2025	03:00	40.2	54.0	38.4
07/06/2025	03:15	39.3	49.3	37.3
07/06/2025	03:30	38.8	59.4	36.2
07/06/2025	03:45	39.9	55.0	37.0
07/06/2025	04:00	44.6	58.3	40.1
07/06/2025	04:15	50.2	67.0	45.2
07/06/2025	04:30	48.5	60.2	43.6
07/06/2025	04:45	47.5	61.3	42.1
07/06/2025	05:00	46.9	68.6	42.0
07/06/2025	05:15	48.1	64.5	39.9
07/06/2025	05:30	53.1	72.2	38.8
07/06/2025	05:45	51.8	68.3	39.3



Location 1				
07/06/2025	06:00	55.4	71.8	37.9
07/06/2025	06:15	56.2	73.9	40.4
07/06/2025	06:30	57.4	71.4	41.0
07/06/2025	06:45	57.3	73.2	39.9
07/06/2025	07:00	57.7	73.4	40.4
07/06/2025	07:15	56.6	71.3	39.5
07/06/2025	07:30	59.1	75.4	42.1
07/06/2025	07:45	55.2	72.5	42.3
07/06/2025	08:00	51.5	68.2	41.2
07/06/2025	08:15	56.2	75.1	41.5
07/06/2025	08:30	57.0	75.3	45.6
07/06/2025	08:45	55.1	73.9	43.6
07/06/2025	09:00	58.8	80.8	43.5
07/06/2025	09:15	55.8	72.7	43.6
07/06/2025	09:30	55.6	72.5	43.6
07/06/2025	09:45	54.7	71.4	44.3
07/06/2025	10:00	56.8	75.1	44.5
07/06/2025	10:15	57.0	74.7	45.3
07/06/2025	10:30	55.8	73.9	43.8
07/06/2025	10:45	58.5	77.2	45.3
07/06/2025	11:00	56.1	76.0	45.0
07/06/2025	11:15	58.5	77.9	44.9
07/06/2025	11:30	58.2	77.3	44.9
07/06/2025	11:45	57.7	76.8	42.3
07/06/2025	12:00	54.9	71.3	44.7
07/06/2025	12:15	56.9	76.5	45.2
07/06/2025	12:30	56.4	75.5	45.2
07/06/2025	12:45	55.2	72.1	45.1
07/06/2025	13:00	59.0	75.2	44.5
07/06/2025	13:15	57.7	83.5	43.7
07/06/2025	13:30	56.6	75.7	42.3
07/06/2025	13:45	56.3	78.4	43.6
07/06/2025	14:00	55.7	74.5	45.3
07/06/2025	14:15	57.4	77.8	43.2
07/06/2025	14:30	58.7	81.7	45.6
07/06/2025	14:45	54.6	74.8	44.4



Location 1				
07/06/2025	15:00	53.6	72.0	44.1
07/06/2025	15:15	56.6	74.7	44.0
07/06/2025	15:30	58.8	77.5	44.4
07/06/2025	15:45	55.4	71.6	45.4
07/06/2025	16:00	56.6	72.7	46.4
07/06/2025	16:15	54.9	77.3	44.5
07/06/2025	16:30	55.0	70.8	45.2
07/06/2025	16:45	58.8	73.1	46.1
07/06/2025	17:00	57.2	73.5	47.8
07/06/2025	17:15	58.6	77.3	52.0
07/06/2025	17:30	57.4	74.1	46.1
07/06/2025	17:45	56.2	73.9	46.3
07/06/2025	18:00	60.4	71.2	53.6
07/06/2025	18:15	58.3	73.3	50.2
07/06/2025	18:30	53.8	68.4	47.8
07/06/2025	18:45	56.4	70.9	46.7
07/06/2025	19:00	58.2	74.6	44.4
07/06/2025	19:15	57.2	75.0	43.0
07/06/2025	19:30	56.8	75.5	43.0
07/06/2025	19:45	55.7	72.5	42.8
07/06/2025	20:00	56.8	76.3	42.7
07/06/2025	20:15	53.5	70.4	42.4
07/06/2025	20:30	56.3	72.0	41.7
07/06/2025	20:45	48.7	64.5	42.2
07/06/2025	21:00	54.4	71.0	44.5
07/06/2025	21:15	56.2	72.4	40.3
07/06/2025	21:30	51.9	69.5	38.0
07/06/2025	21:45	55.6	69.7	38.7
07/06/2025	22:00	58.3	76.9	38.4
07/06/2025	22:15	51.6	69.9	36.7
07/06/2025	22:30	44.7	57.0	39.2
07/06/2025	22:45	43.0	50.1	34.6
07/06/2025	23:00	44.3	57.1	37.2
07/06/2025	23:15	43.1	52.4	37.3
07/06/2025	23:30	42.4	54.6	35.1
07/06/2025	23:45	40.6	51.2	35.1



Location 1				
08/06/2025	00:00	40.0	50.1	32.5
08/06/2025	00:15	40.2	47.9	32.3
08/06/2025	00:30	41.6	55.9	29.9
08/06/2025	00:45	40.8	52.5	34.8
08/06/2025	01:00	39.2	49.0	32.9
08/06/2025	01:15	37.9	49.5	30.2
08/06/2025	01:30	36.7	46.8	27.2
08/06/2025	01:45	49.9	69.2	27.7
08/06/2025	02:00	33.6	46.5	24.0
08/06/2025	02:15	36.5	49.4	25.6
08/06/2025	02:30	35.6	52.4	24.2
08/06/2025	02:45	36.4	50.6	22.9
08/06/2025	03:00	34.0	50.7	22.7
08/06/2025	03:15	35.2	50.5	22.7
08/06/2025	03:30	33.0	48.2	22.5
08/06/2025	03:45	33.3	48.6	21.8
08/06/2025	04:00	46.9	61.9	27.1
08/06/2025	04:15	49.9	64.5	41.7
08/06/2025	04:30	49.0	63.5	38.4
08/06/2025	04:45	44.5	64.5	37.5
08/06/2025	05:00	44.8	63.4	37.4
08/06/2025	05:15	45.1	64.1	36.2
08/06/2025	05:30	50.2	68.6	37.8
08/06/2025	05:45	53.5	71.7	40.7
08/06/2025	06:00	56.4	75.9	38.6
08/06/2025	06:15	57.0	72.1	39.0
08/06/2025	06:30	56.6	73.7	40.3
08/06/2025	06:45	56.8	73.2	40.9
08/06/2025	07:00	58.5	73.6	42.2
08/06/2025	07:15	57.1	74.2	41.4
08/06/2025	07:30	57.5	73.3	42.8
08/06/2025	07:45	58.8	75.9	43.0
08/06/2025	08:00	56.1	72.7	42.1
08/06/2025	08:15	55.6	73.3	43.2
08/06/2025	08:30	56.2	72.8	43.2
08/06/2025	08:45	57.2	76.4	43.9



Location 1				
08/06/2025	09:00	57.8	76.1	43.4
08/06/2025	09:15	56.9	74.6	44.7
08/06/2025	09:30	57.0	74.2	45.6
08/06/2025	09:45	56.8	73.0	46.6
08/06/2025	10:00	57.5	75.1	46.5
08/06/2025	10:15	59.3	77.7	44.0
08/06/2025	10:30	57.1	73.5	46.5
08/06/2025	10:45	58.5	76.5	46.2
08/06/2025	11:00	56.6	76.3	46.6
08/06/2025	11:15	58.0	77.4	45.9
08/06/2025	11:30	58.5	75.4	44.4
08/06/2025	11:45	55.0	74.1	45.3
08/06/2025	12:00	58.1	80.4	46.1
08/06/2025	12:15	52.6	70.5	45.7
08/06/2025	12:30	55.5	74.9	45.6
08/06/2025	12:45	56.8	74.2	43.5
08/06/2025	13:00	53.9	72.0	43.2
08/06/2025	13:15	59.2	76.8	45.4
08/06/2025	13:30	56.2	73.1	44.6
08/06/2025	13:45	56.6	75.4	44.5
08/06/2025	14:00	57.1	75.7	46.5
08/06/2025	14:15	55.4	74.6	45.4
08/06/2025	14:30	56.6	73.0	44.9
08/06/2025	14:45	56.4	72.7	46.4
08/06/2025	15:00	57.6	81.7	47.8
08/06/2025	15:15	57.9	74.6	46.2
08/06/2025	15:30	56.8	74.4	45.7
08/06/2025	15:45	59.4	77.4	45.1
08/06/2025	16:00	55.4	74.0	45.2
08/06/2025	16:15	56.0	75.1	45.6
08/06/2025	16:30	55.6	75.4	46.3
08/06/2025	16:45	58.0	74.5	45.6
08/06/2025	17:00	57.7	75.4	46.9
08/06/2025	17:15	56.3	75.1	46.2
08/06/2025	17:30	56.0	73.9	46.5
08/06/2025	17:45	55.7	73.2	46.8



Location 1				
08/06/2025	18:00	55.8	74.2	45.9
08/06/2025	18:15	56.5	75.7	45.8
08/06/2025	18:30	53.5	70.1	44.8
08/06/2025	18:45	57.2	75.0	46.2
08/06/2025	19:00	54.9	73.2	46.0
08/06/2025	19:15	55.4	73.1	43.5
08/06/2025	19:30	54.3	74.0	44.1
08/06/2025	19:45	57.7	73.9	44.1
08/06/2025	20:00	55.8	74.3	43.1
08/06/2025	20:15	57.1	72.5	43.8
08/06/2025	20:30	56.3	70.4	41.2
08/06/2025	20:45	57.0	72.7	40.7
08/06/2025	21:00	51.3	67.1	40.2
08/06/2025	21:15	55.9	70.7	39.3
08/06/2025	21:30	55.4	70.5	38.2
08/06/2025	21:45	50.3	72.4	33.6
08/06/2025	22:00	56.1	72.9	30.8
08/06/2025	22:15	48.4	66.6	31.6
08/06/2025	22:30	52.4	72.3	30.6
08/06/2025	22:45	37.7	48.1	26.5
08/06/2025	23:00	47.1	65.1	32.1
08/06/2025	23:15	41.1	60.0	26.6
08/06/2025	23:30	38.4	48.7	25.3
08/06/2025	23:45	34.6	45.7	24.3
09/06/2025	00:00	34.4	42.7	21.5
09/06/2025	00:15	33.3	48.8	21.9
09/06/2025	00:30	34.5	42.2	24.2
09/06/2025	00:45	35.8	46.7	22.7
09/06/2025	01:00	30.5	47.0	20.4
09/06/2025	01:15	29.9	43.4	19.3
09/06/2025	01:30	34.6	47.5	22.1
09/06/2025	01:45	31.9	44.1	20.3
09/06/2025	02:00	29.7	42.0	19.7
09/06/2025	02:15	30.9	42.6	20.5
09/06/2025	02:30	31.3	43.8	20.1
09/06/2025	02:45	33.0	48.2	19.4



Location 1				
09/06/2025	03:00	27.1	42.7	18.4
09/06/2025	03:15	26.6	44.4	18.7
09/06/2025	03:30	32.4	44.9	19.3
09/06/2025	03:45	33.5	48.6	21.3
09/06/2025	04:00	45.9	60.7	26.6
09/06/2025	04:15	50.2	63.8	41.5
09/06/2025	04:30	50.7	67.8	41.6
09/06/2025	04:45	47.6	65.8	39.2
09/06/2025	05:00	49.9	65.6	38.7
09/06/2025	05:15	51.4	76.7	37.9
09/06/2025	05:30	51.2	71.1	37.6
09/06/2025	05:45	52.7	69.5	38.0
09/06/2025	06:00	54.4	70.9	41.6
09/06/2025	06:15	56.1	71.6	41.9
09/06/2025	06:30	55.7	70.0	41.7
09/06/2025	06:45	56.1	70.3	42.7
09/06/2025	07:00	58.7	72.7	40.8
09/06/2025	07:15	57.3	71.7	43.8
09/06/2025	07:30	56.3	68.8	43.7
09/06/2025	07:45	57.5	74.2	42.8
09/06/2025	08:00	55.7	69.6	43.5
09/06/2025	08:15	56.3	71.2	43.0
09/06/2025	08:30	55.5	72.6	42.3
09/06/2025	08:45	62.7	96.4	44.4
09/06/2025	09:00	56.4	77.4	43.1
09/06/2025	09:15	56.7	73.1	42.9
09/06/2025	09:30	55.5	71.7	43.4
09/06/2025	09:45	57.7	71.8	43.7
09/06/2025	10:00	58.3	73.7	42.1
09/06/2025	10:15	56.4	73.4	41.5
09/06/2025	10:30	59.3	77.9	41.2
09/06/2025	10:45	57.1	75.6	41.3
09/06/2025	11:00	57.1	81.2	41.4
09/06/2025	11:15	58.2	79.0	40.9
09/06/2025	11:30	52.8	71.3	39.9
09/06/2025	11:45	57.8	79.2	39.3



Location 1				
09/06/2025	12:00	59.2	76.3	39.7
09/06/2025	12:15	56.6	73.8	40.6
09/06/2025	12:30	56.1	74.9	41.6
09/06/2025	12:45	58.4	79.2	41.0
09/06/2025	13:00	54.1	72.8	41.3
09/06/2025	13:15	59.3	75.6	42.2
09/06/2025	13:30	54.6	76.1	42.1
09/06/2025	13:45	53.6	73.5	41.1
09/06/2025	14:00	56.0	75.5	42.4
09/06/2025	14:15	58.1	77.1	42.5
09/06/2025	14:30	55.7	75.5	41.1
09/06/2025	14:45	56.0	75.5	42.4
09/06/2025	15:00	58.5	74.8	42.8
09/06/2025	15:15	60.2	79.4	43.5
09/06/2025	15:30	55.8	73.6	42.6
09/06/2025	15:45	54.4	74.4	43.5
09/06/2025	16:00	58.7	76.2	43.7
09/06/2025	16:15	54.3	72.4	44.2
09/06/2025	16:30	56.6	72.8	43.8
09/06/2025	16:45	55.7	77.7	45.1
09/06/2025	17:00	56.8	72.7	45.0
09/06/2025	17:15	57.3	77.7	44.6
09/06/2025	17:30	56.7	73.9	45.7
09/06/2025	17:45	57.7	75.9	44.8
09/06/2025	18:00	56.8	74.8	44.2
09/06/2025	18:15	55.1	74.9	43.8
09/06/2025	18:30	57.1	75.3	43.8
09/06/2025	18:45	54.9	73.2	44.0
09/06/2025	19:00	54.2	71.8	43.4
09/06/2025	19:15	53.6	70.3	41.6
09/06/2025	19:30	54.6	73.4	42.0
09/06/2025	19:45	53.8	70.8	41.6
09/06/2025	20:00	54.5	72.6	41.7
09/06/2025	20:15	51.1	69.8	40.8
09/06/2025	20:30	56.2	72.6	39.9
09/06/2025	20:45	53.0	72.0	38.4



Location 1				
09/06/2025	21:00	53.4	73.2	37.5
09/06/2025	21:15	51.4	69.4	38.1
09/06/2025	21:30	54.1	76.0	34.9
09/06/2025	21:45	51.2	74.1	36.2
09/06/2025	22:00	47.4	69.3	34.4
09/06/2025	22:15	56.9	73.4	32.1
09/06/2025	22:30	44.7	66.1	33.2
09/06/2025	22:45	48.9	67.8	32.8
09/06/2025	23:00	36.7	47.1	28.6
09/06/2025	23:15	49.9	72.2	27.8
09/06/2025	23:30	34.6	43.8	25.4
09/06/2025	23:45	46.7	67.8	24.7
10/06/2025	00:00	35.2	46.3	22.8
10/06/2025	00:15	33.6	43.3	23.4
10/06/2025	00:30	34.8	45.3	24.1
10/06/2025	00:45	35.2	49.2	23.5
10/06/2025	01:00	45.8	70.0	23.5
10/06/2025	01:15	34.2	47.0	23.4
10/06/2025	01:30	31.0	42.9	22.9
10/06/2025	01:45	31.0	43.6	24.9
10/06/2025	02:00	33.1	46.6	23.3
10/06/2025	02:15	33.3	46.6	25.5
10/06/2025	02:30	34.4	46.6	26.0
10/06/2025	02:45	35.9	47.0	26.3
10/06/2025	03:00	35.3	46.8	26.0
10/06/2025	03:15	34.0	50.2	25.2
10/06/2025	03:30	36.8	52.3	26.5
10/06/2025	03:45	35.4	47.9	24.4
10/06/2025	04:00	39.4	58.3	24.4
10/06/2025	04:15	47.7	60.4	38.6
10/06/2025	04:30	51.7	64.7	41.8
10/06/2025	04:45	51.7	72.7	39.5
10/06/2025	05:00	53.2	74.4	40.3
10/06/2025	05:15	47.1	63.8	38.8
10/06/2025	05:30	54.5	75.4	40.9
10/06/2025	05:45	52.3	71.0	39.9



Location 1				
10/06/2025	06:00	50.8	68.6	41.3
10/06/2025	06:15	63.7	78.8	43.8
10/06/2025	06:30	51.6	66.9	43.9
10/06/2025	06:45	57.5	76.2	44.6
10/06/2025	07:00	55.3	72.4	45.9
10/06/2025	07:15	56.2	73.5	46.8
10/06/2025	07:30	62.9	79.5	46.0
10/06/2025	07:45	54.9	73.0	45.0
10/06/2025	08:00	55.4	72.6	44.0
10/06/2025	08:15	58.6	74.9	44.6
10/06/2025	08:30	54.2	69.4	45.6
10/06/2025	08:45	56.3	75.6	44.1
10/06/2025	09:00	54.7	73.2	45.9
10/06/2025	09:15	55.7	73.5	45.3
10/06/2025	09:30	54.4	71.0	45.3
10/06/2025	09:45	55.3	73.4	45.0
10/06/2025	10:00	55.4	72.8	45.3
10/06/2025	10:15	57.0	73.8	45.7
10/06/2025	10:30	55.4	72.3	44.9
10/06/2025	10:45	53.7	70.5	45.5
10/06/2025	11:00	54.8	77.8	45.4
10/06/2025	11:15	53.6	74.4	44.3
10/06/2025	11:30	55.3	73.9	45.4
10/06/2025	11:45	56.8	75.5	43.1
10/06/2025	12:00	54.8	73.1	43.4
10/06/2025	12:15	59.2	81.0	44.5
10/06/2025	12:30	56.2	78.3	42.2
10/06/2025	12:45	55.5	81.8	43.1
10/06/2025	13:00	55.0	79.0	43.5
10/06/2025	13:15	56.2	73.6	44.5
10/06/2025	13:30	54.4	69.4	42.8
10/06/2025	13:45	60.8	72.2	44.1
10/06/2025	14:00	61.2	73.5	44.8
10/06/2025	14:15	58.9	76.9	43.5
10/06/2025	14:30	56.9	74.9	45.2
10/06/2025	14:45	55.9	74.1	45.6



Location 1				
10/06/2025	15:00	54.0	70.0	44.6
10/06/2025	15:15	57.4	73.3	45.5
10/06/2025	15:30	56.5	72.1	44.2
10/06/2025	15:45	56.9	75.9	44.3
10/06/2025	16:00	55.3	76.1	43.6
10/06/2025	16:15	56.9	73.5	42.6
10/06/2025	16:30	57.4	74.8	44.1
10/06/2025	16:45	56.0	72.5	43.3
10/06/2025	17:00	56.3	74.2	42.3
10/06/2025	17:15	58.4	75.0	43.0
10/06/2025	17:30	53.4	70.5	42.9
10/06/2025	17:45	54.8	75.1	42.8
10/06/2025	18:00	59.7	81.4	41.9
10/06/2025	18:15	53.7	70.2	42.8
10/06/2025	18:30	58.1	72.7	43.6
10/06/2025	18:45	54.4	69.4	42.0
10/06/2025	19:00	51.2	68.1	39.3
10/06/2025	19:15	52.3	69.9	40.0
10/06/2025	19:30	53.0	69.2	41.3
10/06/2025	19:45	54.2	75.2	40.9
10/06/2025	20:00	53.7	70.1	38.5
10/06/2025	20:15	54.6	69.2	39.0
10/06/2025	20:30	56.1	72.1	38.3
10/06/2025	20:45	54.3	72.5	36.6
10/06/2025	21:00	54.6	73.1	38.3
10/06/2025	21:15	57.3	74.5	39.3
10/06/2025	21:30	48.5	67.3	35.7
10/06/2025	21:45	52.0	71.6	31.7
10/06/2025	22:00	51.9	69.4	30.0
10/06/2025	22:15	52.6	71.3	29.4
10/06/2025	22:30	40.1	61.2	28.9
10/06/2025	22:45	49.7	68.9	31.1
10/06/2025	23:00	40.3	57.2	28.3
10/06/2025	23:15	48.1	67.0	28.1
10/06/2025	23:30	51.2	67.0	26.8
10/06/2025	23:45	49.4	64.2	24.1



Location 1				
11/06/2025	00:00	46.4	64.6	22.1
11/06/2025	00:15	49.5	66.3	25.0
11/06/2025	00:30	49.6	68.3	23.7
11/06/2025	00:45	48.1	66.3	22.3
11/06/2025	01:00	49.1	65.3	22.0
11/06/2025	01:15	45.9	65.0	22.0
11/06/2025	01:30	46.9	67.1	22.1
11/06/2025	01:45	47.3	65.0	20.5
11/06/2025	02:00	47.8	64.8	20.6
11/06/2025	02:15	48.8	66.4	21.1
11/06/2025	02:30	44.6	67.4	22.2
11/06/2025	02:45	31.0	43.9	22.2
11/06/2025	03:00	29.0	39.2	23.0
11/06/2025	03:15	45.0	66.0	29.2
11/06/2025	03:30	34.5	46.0	25.6
11/06/2025	03:45	35.1	46.8	25.2
11/06/2025	04:00	48.9	65.3	31.2
11/06/2025	04:15	52.3	71.0	39.6
11/06/2025	04:30	54.9	71.9	38.8
11/06/2025	04:45	46.3	67.4	36.8
11/06/2025	05:00	42.4	57.5	34.2
11/06/2025	05:15	43.9	57.9	35.6
11/06/2025	05:30	52.7	71.7	36.3
11/06/2025	05:45	57.5	79.3	38.8
11/06/2025	06:00	49.5	67.0	36.3
11/06/2025	06:15	51.3	68.4	37.2
11/06/2025	06:30	50.0	66.8	37.8
11/06/2025	06:45	52.0	69.2	37.7
11/06/2025	07:00	49.6	65.0	39.1
11/06/2025	07:15	57.2	75.6	39.2
11/06/2025	07:30	51.3	70.1	39.6
11/06/2025	07:45	49.2	65.1	39.9
11/06/2025	08:00	49.3	63.1	38.6
11/06/2025	08:15	50.8	66.4	40.2
11/06/2025	08:30	48.8	63.2	39.5
11/06/2025	08:45	49.3	63.7	39.9



Location 1				
11/06/2025	09:00	52.4	73.4	40.1
11/06/2025	09:15	50.3	66.5	39.2
11/06/2025	09:30	52.2	66.8	40.4
11/06/2025	09:45	48.8	64.1	37.5
11/06/2025	10:00	50.7	74.1	38.3
11/06/2025	10:15	49.6	65.0	38.3
11/06/2025	10:30	52.1	67.2	39.4
11/06/2025	10:45	50.4	64.8	39.4
11/06/2025	11:00	52.4	67.3	40.0
11/06/2025	11:15	51.0	65.9	36.1
11/06/2025	11:30	49.5	66.3	36.6
11/06/2025	11:45	49.9	66.2	35.1
11/06/2025	12:00	51.7	69.2	37.6
11/06/2025	12:15	52.8	70.7	36.8
11/06/2025	12:30	52.1	67.5	36.3
11/06/2025	12:45	52.2	69.7	37.4
11/06/2025	13:00	54.9	71.8	37.7
11/06/2025	13:15	53.1	69.2	38.2
11/06/2025	13:30	51.7	69.8	36.4
11/06/2025	13:45	55.5	74.8	37.5
11/06/2025	14:00	51.6	68.9	36.5
11/06/2025	14:15	54.1	71.2	37.7
11/06/2025	14:30	51.4	70.0	37.5
11/06/2025	14:45	50.5	68.7	36.4
11/06/2025	15:00	52.1	71.8	38.0
11/06/2025	15:15	51.1	69.0	38.0
11/06/2025	15:30	51.3	69.3	38.7
11/06/2025	15:45	51.9	70.9	37.7
11/06/2025	16:00	53.1	69.3	39.6
11/06/2025	16:15	52.1	67.9	38.3
11/06/2025	16:30	52.4	67.8	39.5
11/06/2025	16:45	52.7	69.4	40.0
11/06/2025	17:00	47.8	65.1	38.0
11/06/2025	17:15	48.4	67.3	40.0
11/06/2025	17:30	49.8	67.4	39.9
11/06/2025	17:45	52.5	74.0	40.1



Location 1				
11/06/2025	18:00	50.4	69.4	39.4
11/06/2025	18:15	52.5	69.7	39.8
11/06/2025	18:30	51.9	71.6	38.7
11/06/2025	18:45	51.6	69.1	38.7
11/06/2025	19:00	52.5	68.3	38.9
11/06/2025	19:15	53.1	69.7	38.6
11/06/2025	19:30	53.1	73.3	37.8
11/06/2025	19:45	52.7	69.6	38.8
11/06/2025	20:00	52.6	69.6	37.5
11/06/2025	20:15	50.3	67.3	37.7
11/06/2025	20:30	49.4	67.0	37.2
11/06/2025	20:45	50.7	68.2	38.0
11/06/2025	21:00	52.9	69.4	35.6
11/06/2025	21:15	50.9	65.9	36.0
11/06/2025	21:30	53.7	68.3	37.6
11/06/2025	21:45	51.7	69.9	34.1
11/06/2025	22:00	52.5	67.7	35.2
11/06/2025	22:15	53.0	67.7	36.9
11/06/2025	22:30	53.4	69.7	35.3
11/06/2025	22:45	52.4	70.1	34.8
11/06/2025	23:00	52.0	67.9	32.6
11/06/2025	23:15	52.3	68.8	34.5
11/06/2025	23:30	53.1	69.0	36.0
11/06/2025	23:45	52.9	67.6	35.8
12/06/2025	00:00	52.6	72.6	35.2
12/06/2025	00:15	48.5	69.7	31.5
12/06/2025	00:30	47.8	67.7	29.5
12/06/2025	00:45	46.8	69.7	27.1
12/06/2025	01:00	47.2	67.3	28.4
12/06/2025	01:15	33.5	42.0	25.4
12/06/2025	01:30	50.5	68.3	23.6
12/06/2025	01:45	50.8	68.0	24.9
12/06/2025	02:00	32.7	48.9	25.4
12/06/2025	02:15	30.9	51.2	24.6
12/06/2025	02:30	46.6	67.5	24.3
12/06/2025	02:45	47.5	67.9	23.7



Location 1				
12/06/2025	03:00	34.0	52.5	22.9
12/06/2025	03:15	32.2	44.3	23.4
12/06/2025	03:30	32.8	43.9	23.8
12/06/2025	03:45	35.5	49.0	25.4
12/06/2025	04:00	47.9	63.3	33.8
12/06/2025	04:15	51.5	65.7	39.3
12/06/2025	04:30	44.7	66.3	35.0
12/06/2025	04:45	49.3	71.9	35.1
12/06/2025	05:00	44.1	59.0	36.7
12/06/2025	05:15	61.7	79.1	36.4
12/06/2025	05:30	49.7	67.4	37.4
12/06/2025	05:45	53.8	71.3	37.3
12/06/2025	06:00	60.2	76.6	39.0
12/06/2025	06:15	55.0	69.0	40.2
12/06/2025	06:30	53.5	69.6	40.8
12/06/2025	06:45	50.9	68.7	41.1
12/06/2025	07:00	51.7	68.2	41.6
12/06/2025	07:15	54.2	73.6	41.7
12/06/2025	07:30	54.3	71.3	42.6
12/06/2025	07:45	53.5	74.3	40.8
12/06/2025	08:00	56.7	77.1	40.7
12/06/2025	08:15	53.0	70.0	40.2
12/06/2025	08:30	53.4	71.0	41.8
12/06/2025	08:45	55.6	75.4	41.5
12/06/2025	09:00	53.3	70.9	40.3
12/06/2025	09:15	53.1	73.7	40.6
12/06/2025	09:30	53.0	71.0	41.3
12/06/2025	09:45	53.3	71.4	40.7
12/06/2025	10:00	52.0	68.8	40.3
12/06/2025	10:15	51.7	73.3	41.1



Table C-2: Location 2 – Environmental Sound Survey Data

Location 2				
Date	Time	L _{Aeq, T} (dB)	L _{max, T} (dB)	L _{A90, T} (dB)
05/06/2025	11:30:02	56.3	74.6	44.2
05/06/2025	11:45:01	55.6	72.6	46.5
05/06/2025	12:00:01	59.6	76.1	44.9
05/06/2025	12:15:01	58.5	78	44.6
05/06/2025	12:30:02	59.2	76.4	43.8
05/06/2025	12:45:01	60.5	80.8	42.8
05/06/2025	13:00:01	53.9	69.5	44
05/06/2025	13:15:01	58.5	77.8	45.4
05/06/2025	13:30:02	56.8	76.2	44.3
05/06/2025	13:45:01	59.8	83.5	45.9
05/06/2025	14:00:01	55.2	74.7	42.7
05/06/2025	14:15:01	57.4	77.1	43.1
05/06/2025	14:30:02	55.4	75.4	42
05/06/2025	14:45:01	57.5	75.9	43.3
05/06/2025	15:00:01	56.2	73.7	45.6
05/06/2025	15:15:02	54.3	71	43.8
05/06/2025	15:30:01	53.5	71.3	43.9
05/06/2025	15:45:01	56.5	77.4	43.3
05/06/2025	16:00:01	53.9	73.4	44.8
05/06/2025	16:15:01	56.1	74.4	43.7
05/06/2025	16:30:01	58	74.7	44.1
05/06/2025	16:45:01	55.5	72.9	44.8
05/06/2025	17:00:01	57.2	76.2	44.3
05/06/2025	17:15:02	58.8	74.6	43.8
05/06/2025	17:30:01	56.8	72.8	42.9
05/06/2025	17:45:01	60.2	80.3	44.1
05/06/2025	18:00:01	58.6	74.9	43.2
05/06/2025	18:15:02	57.2	73.7	43.5
05/06/2025	18:30:01	57	73.3	43
05/06/2025	18:45:01	57.2	74.6	42.7
05/06/2025	19:00:01	56.7	73.7	41.4
05/06/2025	19:15:02	55.5	70.9	41.7
05/06/2025	19:30:01	56.2	70.9	41.4



Location 2				
05/06/2025	19:45:01	58.5	73.6	41.3
05/06/2025	20:00:01	56.5	73.1	38.3
05/06/2025	20:15:02	55.9	74.5	38.1
05/06/2025	20:30:01	57	74	41.4
05/06/2025	20:45:01	54.8	73.4	42.7
05/06/2025	21:00:02	53.8	75.6	42.4
05/06/2025	21:15:01	51.5	71.5	39.6
05/06/2025	21:30:01	60.9	78.8	38.6
05/06/2025	21:45:01	54.6	72.2	37.4
05/06/2025	22:00:02	53.1	71	37.6
05/06/2025	22:15:01	54.6	72.6	37.4
05/06/2025	22:30:01	53.2	74.4	34.9
05/06/2025	22:45:02	41.3	57.4	35.1
05/06/2025	23:00:01	40.6	65.2	33.2
05/06/2025	23:15:01	40.4	60.8	33.5
05/06/2025	23:30:02	39.8	56.6	31.6
05/06/2025	23:45:01	39.4	57.1	32.7
06/06/2025	00:00:01	37.9	54.6	31.9
06/06/2025	00:15:01	36.7	56.9	31.1
06/06/2025	00:30:02	40.6	62.9	31.5
06/06/2025	00:45:01	39	59.2	31.3
06/06/2025	01:00:01	35.9	46.5	30.8
06/06/2025	01:15:01	34.6	46.8	28.5
06/06/2025	01:30:02	32.1	43.8	27
06/06/2025	01:45:01	34.3	54	27.7
06/06/2025	02:00:01	32.3	48.6	28
06/06/2025	02:15:01	37.6	59	28.7
06/06/2025	02:30:02	34.7	55.4	28.4
06/06/2025	02:45:01	38.8	60.3	29.7
06/06/2025	03:00:01	37.4	58.7	27.8
06/06/2025	03:15:01	35.5	56.5	29.1
06/06/2025	03:30:01	36.3	58	28.5
06/06/2025	03:45:01	35.8	49	30.9
06/06/2025	04:00:01	41.8	57.8	36.1
06/06/2025	04:15:01	53.7	67.5	40
06/06/2025	04:30:01	54.5	68.3	41.8



Location 2				
06/06/2025	04:45:01	51.4	70.9	38.1
06/06/2025	05:00:01	47.4	62.8	37.3
06/06/2025	05:15:02	48.5	67.6	38.4
06/06/2025	05:30:01	52.8	68.1	39.5
06/06/2025	05:45:01	53.2	70.8	40.8
06/06/2025	06:00:01	57.1	72.8	41.9
06/06/2025	06:15:02	56.8	71.1	41.4
06/06/2025	06:30:01	58	74.7	41.5
06/06/2025	06:45:01	59	74.2	42.5
06/06/2025	07:00:01	58.9	74.7	43.1
06/06/2025	07:15:02	58.1	73.2	43.3
06/06/2025	07:30:01	57.1	72.8	42.8
06/06/2025	07:45:01	57.2	75.9	43.4
06/06/2025	08:00:02	57.3	77.7	44.1
06/06/2025	08:15:01	58.6	78.9	44.1
06/06/2025	08:30:01	56.7	73.4	42.4
06/06/2025	08:45:02	57.3	76.2	42.9
06/06/2025	09:00:01	57.3	75.6	45.4
06/06/2025	09:15:01	58.4	74.5	50.8
06/06/2025	09:30:01	58.2	74.1	46.1
06/06/2025	09:45:02	56.2	70.4	43.6
06/06/2025	10:00:01	57.1	75.8	41.6
06/06/2025	10:15:01	54.9	71.6	42.9
06/06/2025	10:30:01	59.1	76.7	43.5
06/06/2025	10:45:01	57.5	77.6	44.3
06/06/2025	11:00:01	59.7	76.7	43.6
06/06/2025	11:15:01	58.4	79.7	42.5
06/06/2025	11:30:01	59.5	76.6	43
06/06/2025	11:45:01	58	81.5	45.9
06/06/2025	12:00:01	59.2	79.5	46.1
06/06/2025	12:15:01	57.5	73.7	44.7
06/06/2025	12:30:02	60.2	79	44.7
06/06/2025	12:45:01	56.5	74.2	45.9
06/06/2025	13:00:01	58.5	75.1	46.6
06/06/2025	13:15:01	59.3	77.5	43.6
06/06/2025	13:30:02	59.6	81.7	43.6



Location 2				
06/06/2025	13:45:01	57.7	76.6	44.1
06/06/2025	14:00:01	59.9	81.2	45.1
06/06/2025	14:15:02	56.8	74.3	44.1
06/06/2025	14:30:01	58.7	77.8	42.9
06/06/2025	14:45:01	58.8	79	44.8
06/06/2025	15:00:01	59.8	76.2	43.8
06/06/2025	15:15:02	58	76	45.5
06/06/2025	15:30:01	56.6	75.9	45.5
06/06/2025	15:45:01	58.9	79.5	46.8
06/06/2025	16:00:02	60.1	80.4	43.6
06/06/2025	16:15:01	58.1	75.1	45.1
06/06/2025	16:30:01	57.7	76.2	46.9
06/06/2025	16:45:01	57.8	75	45.8
06/06/2025	17:00:02	58.6	77.1	45.1
06/06/2025	17:15:01	57.8	73.6	45.1
06/06/2025	17:30:01	58.7	78	43.9
06/06/2025	17:45:01	58.5	76	44
06/06/2025	18:00:01	58	75.7	44.1
06/06/2025	18:15:01	59.5	73.8	43.4
06/06/2025	18:30:01	57.2	73.1	42.3
06/06/2025	18:45:01	57.2	73.2	43.7
06/06/2025	19:00:02	57.8	75.3	44
06/06/2025	19:15:01	56.3	73.8	42.1
06/06/2025	19:30:01	55.8	73.2	42.1
06/06/2025	19:45:01	57.6	74.6	41
06/06/2025	20:00:02	52.2	68.4	39.7
06/06/2025	20:15:01	52.2	73.2	38.7
06/06/2025	20:30:01	58.2	74.3	38.8
06/06/2025	20:45:01	55	73.5	38
06/06/2025	21:00:01	56.1	73.7	37.4
06/06/2025	21:15:01	56.2	72.7	37.5
06/06/2025	21:30:01	53.2	71.5	36.1
06/06/2025	21:45:01	47.5	67.3	36.2
06/06/2025	22:00:01	51.9	73.5	35.1
06/06/2025	22:15:01	56.4	76.2	34.7
06/06/2025	22:30:01	47.5	67.1	34.6



Location 2				
06/06/2025	22:45:02	41.3	57.9	33.5
06/06/2025	23:00:01	43.4	59.8	32.7
06/06/2025	23:15:01	40.3	59.8	32.1
06/06/2025	23:30:01	36.5	54.5	31.3
06/06/2025	23:45:02	36.5	54.8	30.7
07/06/2025	00:00:01	54.6	72.6	31.5
07/06/2025	00:15:01	41.6	62.8	34.3
07/06/2025	00:30:01	35.7	52	32
07/06/2025	00:45:01	40	57.8	31.2
07/06/2025	01:00:01	41.2	55.3	32.4
07/06/2025	01:15:01	50.3	63.3	47.1
07/06/2025	01:30:01	48.7	63.6	46.6
07/06/2025	01:45:02	50.1	66.6	47.5
07/06/2025	02:00:01	54.1	69.3	49
07/06/2025	02:15:01	44.1	57.2	42.2
07/06/2025	02:30:01	41.8	58.6	39.3
07/06/2025	02:45:02	40.2	52.6	38.2
07/06/2025	03:00:01	38.4	53	36.5
07/06/2025	03:15:01	39.2	56.8	36
07/06/2025	03:30:01	41.5	61.6	35.6
07/06/2025	03:45:02	40.8	54.8	38.3
07/06/2025	04:00:01	45.6	60.8	42.3
07/06/2025	04:15:01	45	60.2	42.3
07/06/2025	04:30:01	51.4	64.9	43.7
07/06/2025	04:45:01	49	61.8	41.3
07/06/2025	05:00:01	44.4	59	39.7
07/06/2025	05:15:01	54	73.6	38.9
07/06/2025	05:30:01	49.7	68.8	37.4
07/06/2025	05:45:01	56.9	75.7	37.8
07/06/2025	06:00:01	56.8	73.2	37.3
07/06/2025	06:15:02	57.2	70.8	38.9
07/06/2025	06:30:01	58.7	74.6	38.8
07/06/2025	06:45:01	59.2	72.2	40
07/06/2025	07:00:01	58.9	73.9	39.4
07/06/2025	07:15:02	60.4	76.1	40.8
07/06/2025	07:30:01	56.8	76.3	41



Location 2				
07/06/2025	07:45:01	56.4	75.5	39.9
07/06/2025	08:00:01	57.2	76.8	40.1
07/06/2025	08:15:02	58.6	73.8	42.2
07/06/2025	08:30:01	56.2	74.2	42.9
07/06/2025	08:45:01	59.3	77.4	41.9
07/06/2025	09:00:01	56.6	72.4	43.1
07/06/2025	09:15:02	56.3	73.3	41.7
07/06/2025	09:30:01	58	74.6	42
07/06/2025	09:45:01	58.4	77.2	41.8
07/06/2025	10:00:01	56.6	73.2	43.2
07/06/2025	10:15:02	59.2	77.4	42.1
07/06/2025	10:30:01	60	78.4	42.4
07/06/2025	10:45:01	57.8	74.8	44
07/06/2025	11:00:02	57.2	78.5	43.5
07/06/2025	11:15:01	59.2	78.7	42.3
07/06/2025	11:30:01	59.5	80.1	42.5
07/06/2025	11:45:01	56.9	73	42.6
07/06/2025	12:00:02	56.7	73.4	43
07/06/2025	12:15:01	57.4	76.8	43.4
07/06/2025	12:30:01	55	73.5	43.3
07/06/2025	12:45:01	60.1	77.1	42.1
07/06/2025	13:00:02	59.4	81.8	41.5
07/06/2025	13:15:01	58.6	76.4	40.6
07/06/2025	13:30:01	57.1	74.6	41.9
07/06/2025	13:45:01	57.2	76.3	43.3
07/06/2025	14:00:01	59.3	75.3	43.1
07/06/2025	14:15:01	60.7	79.7	43.5
07/06/2025	14:30:02	56.5	74.6	43.5
07/06/2025	14:45:01	54.9	72.9	43.5
07/06/2025	15:00:01	56.5	73.8	43.2
07/06/2025	15:15:01	57.9	78.5	42.6
07/06/2025	15:30:02	60.6	79.6	42.3
07/06/2025	15:45:01	57.6	75.4	44.2
07/06/2025	16:00:01	56.9	74.5	45.5
07/06/2025	16:15:01	56.7	76.6	43.5
07/06/2025	16:30:02	59.4	74.5	42.7



Location 2				
07/06/2025	16:45:01	58.7	76.5	48.5
07/06/2025	17:00:01	58.7	73.2	48.3
07/06/2025	17:15:01	58.1	76.2	46.1
07/06/2025	17:30:02	58.1	73.7	43.6
07/06/2025	17:45:01	61.3	74.9	53.9
07/06/2025	18:00:01	59.3	73.8	51.6
07/06/2025	18:15:01	56	69.9	45.5
07/06/2025	18:30:02	56	73	47.2
07/06/2025	18:45:01	60.1	75.7	43.7
07/06/2025	19:00:01	58.7	74.9	43.2
07/06/2025	19:15:01	58.3	74.2	41
07/06/2025	19:30:02	56.5	72.6	40.5
07/06/2025	19:45:01	58.4	76.2	40.8
07/06/2025	20:00:01	56.6	72.5	40.7
07/06/2025	20:15:01	56.8	72.7	39.9
07/06/2025	20:30:02	52.5	72.1	40.9
07/06/2025	20:45:01	55.4	70.8	43.2
07/06/2025	21:00:01	58.3	77	39.8
07/06/2025	21:15:01	55.3	72.7	39.4
07/06/2025	21:30:02	55.4	71.5	38.2
07/06/2025	21:45:01	59.4	80.8	38.1
07/06/2025	22:00:01	59.5	77.4	37.7
07/06/2025	22:15:01	43.7	61.5	39.3
07/06/2025	22:30:01	45.2	59	38.7
07/06/2025	22:45:01	42.4	60.2	37.1
07/06/2025	23:00:01	43.3	60	36.1
07/06/2025	23:15:02	44.3	61.7	35.2
07/06/2025	23:30:01	42.3	59.9	35.6
07/06/2025	23:45:01	42.3	60.2	34.6
08/06/2025	00:00:01	42.3	60.9	34.8
08/06/2025	00:15:02	43.7	60.5	34
08/06/2025	00:30:01	41.3	57.7	35
08/06/2025	00:45:01	43.3	59.5	35.1
08/06/2025	01:00:01	39.4	56.3	33.7
08/06/2025	01:15:02	39.3	56.1	32
08/06/2025	01:30:01	36.3	52.6	31.5



Location 2				
08/06/2025	01:45:01	48.4	72.6	28.8
08/06/2025	02:00:01	38.3	58.4	30
08/06/2025	02:15:02	36.5	54.5	30.1
08/06/2025	02:30:01	34.9	49.3	28.7
08/06/2025	02:45:01	34.8	46.7	30.2
08/06/2025	03:00:01	34.8	44.2	30.7
08/06/2025	03:15:02	35.5	58.3	28.8
08/06/2025	03:30:01	33.3	48.7	28.1
08/06/2025	03:45:01	35.8	49.6	30.1
08/06/2025	04:00:01	40.7	54.6	34.8
08/06/2025	04:15:02	47.5	60.7	38.1
08/06/2025	04:30:01	47.6	58.6	38.6
08/06/2025	04:45:01	40.7	57.3	35.1
08/06/2025	05:00:01	41.5	59.2	35.3
08/06/2025	05:15:02	40.9	60.1	32.7
08/06/2025	05:30:01	54.5	71.9	38.1
08/06/2025	05:45:01	54.8	73.2	37.3
08/06/2025	06:00:02	55.2	72.2	38.5
08/06/2025	06:15:01	59.1	75.7	38.5
08/06/2025	06:30:01	58.5	74.3	40.2
08/06/2025	06:45:01	59.8	75	39.9
08/06/2025	07:00:01	59.5	74.7	40.4
08/06/2025	07:15:01	59.8	75.1	40.9
08/06/2025	07:30:01	60.6	75.3	41.6
08/06/2025	07:45:02	59.2	76.7	40.5
08/06/2025	08:00:01	58.1	72.5	40.7
08/06/2025	08:15:01	57.8	74.7	40.4
08/06/2025	08:30:01	59.5	77.7	40.9
08/06/2025	08:45:02	59.7	76	41
08/06/2025	09:00:01	59.4	78.7	41
08/06/2025	09:15:01	58.4	77.7	42.8
08/06/2025	09:30:01	58.4	76.2	42.7
08/06/2025	09:45:02	58.6	77.8	41.8
08/06/2025	10:00:01	62.3	81.2	41.5
08/06/2025	10:15:01	60	76.4	42.7
08/06/2025	10:30:01	59.9	77.8	42.5



Location 2				
08/06/2025	10:45:02	59.4	82.4	43.8
08/06/2025	11:00:01	56.8	75	42.7
08/06/2025	11:15:01	59.7	83.3	42.5
08/06/2025	11:30:01	59.7	78.1	43.1
08/06/2025	11:45:02	58.9	79.8	43.6
08/06/2025	12:00:01	54.8	74.2	42.9
08/06/2025	12:15:01	55.5	74.7	43.6
08/06/2025	12:30:01	58.8	77.8	42.8
08/06/2025	12:45:02	54.2	73.2	42
08/06/2025	13:00:01	58	77.1	42.7
08/06/2025	13:15:01	60.6	80.4	41.8
08/06/2025	13:30:01	57.8	73.2	43.3
08/06/2025	13:45:01	58.6	77.5	44.3
08/06/2025	14:00:01	60.8	80.1	43.7
08/06/2025	14:15:01	57.2	75	43.7
08/06/2025	14:30:01	57.5	75.2	43.3
08/06/2025	14:45:02	58	79.3	42.9
08/06/2025	15:00:01	58	76.5	44
08/06/2025	15:15:01	59	76.6	42.7
08/06/2025	15:30:01	58.9	78.8	42.6
08/06/2025	15:45:02	57.9	78	42
08/06/2025	16:00:01	56.7	80	42.8
08/06/2025	16:15:01	56.7	73	45.3
08/06/2025	16:30:02	58.3	76.6	44.5
08/06/2025	16:45:01	59.4	78.9	43.8
08/06/2025	17:00:01	58.7	73.5	45.9
08/06/2025	17:15:01	56.1	72.1	44.9
08/06/2025	17:30:02	57.5	73.8	45.3
08/06/2025	17:45:01	60.4	82.8	43.4
08/06/2025	18:00:01	58	76.3	44.1
08/06/2025	18:15:01	54.3	73	42.4
08/06/2025	18:30:02	55.9	74.4	42.3
08/06/2025	18:45:01	56.6	74	43.3
08/06/2025	19:00:01	56.2	75	41.5
08/06/2025	19:15:01	55.5	77.3	42.2
08/06/2025	19:30:02	56.5	72.5	41.3



Location 2				
08/06/2025	19:45:01	56.2	71	40.4
08/06/2025	20:00:01	57.4	74.2	39.9
08/06/2025	20:15:01	58.5	74.9	40.5
08/06/2025	20:30:02	57.8	75.3	38.4
08/06/2025	20:45:01	52.9	70.1	38
08/06/2025	21:00:01	56.5	73.3	38.3
08/06/2025	21:15:01	54.2	68.7	37.7
08/06/2025	21:30:02	55.5	73.4	35.5
08/06/2025	21:45:01	56.8	74.8	34.9
08/06/2025	22:00:01	50.7	67.8	32
08/06/2025	22:15:01	52.7	72.8	33.5
08/06/2025	22:30:01	38.2	55.6	31.4
08/06/2025	22:45:01	47.8	66.8	33.7
08/06/2025	23:00:01	41.3	59.8	31
08/06/2025	23:15:02	39.7	62	32.1
08/06/2025	23:30:01	37.2	57	30.8
08/06/2025	23:45:02	34.3	43.3	31.1
09/06/2025	00:00:01	34.5	56	27.3
09/06/2025	00:15:01	32.6	40	29
09/06/2025	00:30:01	35.7	54.2	29.9
09/06/2025	00:45:02	36.6	60.1	27.2
09/06/2025	01:00:01	36.1	57.8	27.3
09/06/2025	01:15:01	32.2	44.4	26.7
09/06/2025	01:30:01	33.8	50.7	28.9
09/06/2025	01:45:02	35.3	57.3	27.7
09/06/2025	02:00:01	31.9	40.8	28
09/06/2025	02:15:01	32.4	64.1	27
09/06/2025	02:30:01	35.8	54.5	29.7
09/06/2025	02:45:02	31.1	40.4	25.9
09/06/2025	03:00:01	35.7	55.2	27.2
09/06/2025	03:15:01	33.7	42.7	27.2
09/06/2025	03:30:01	33.4	44.1	29
09/06/2025	03:45:02	36.7	52.8	31.6
09/06/2025	04:00:01	40.1	51.2	34.2
09/06/2025	04:15:01	53.9	66.9	38.2
09/06/2025	04:30:01	52.5	67.9	39.6



Location 2				
09/06/2025	04:45:02	45.7	60.1	39.9
09/06/2025	05:00:01	42.9	64	36.5
09/06/2025	05:15:01	43	58.4	36.4
09/06/2025	05:30:01	51.3	71.4	37.6
09/06/2025	05:45:02	57.6	72.2	39.2
09/06/2025	06:00:01	56.2	70.8	39.3
09/06/2025	06:15:01	56.5	71.2	41.3
09/06/2025	06:30:02	57.5	72.3	42
09/06/2025	06:45:01	59.4	73.6	41.1
09/06/2025	07:00:01	57.9	72.7	42.2
09/06/2025	07:15:01	59.8	74.6	42
09/06/2025	07:30:02	56.9	69.7	41.2
09/06/2025	07:45:01	58.7	75.2	41.2
09/06/2025	08:00:01	59	75.2	41.5
09/06/2025	08:15:01	56.5	72.4	42.2
09/06/2025	08:30:02	58	73.7	41.4
09/06/2025	08:45:01	56.6	72.4	40.4
09/06/2025	09:00:01	57.2	72.7	40.3
09/06/2025	09:15:01	56.4	71.8	41.3
09/06/2025	09:30:02	58.1	73.5	39.9
09/06/2025	09:45:01	58.3	74.6	40.1
09/06/2025	10:00:01	59.9	76.5	38.3
09/06/2025	10:15:01	61.9	81.7	39.1
09/06/2025	10:30:01	58.1	75.4	41.2
09/06/2025	10:45:01	59.3	77.8	39.4
09/06/2025	11:00:01	60	80.9	39
09/06/2025	11:15:01	57	76.3	40
09/06/2025	11:30:02	59.6	81.7	38.9
09/06/2025	11:45:01	58.5	76.5	39.9
09/06/2025	12:00:01	59.1	77.1	39.6
09/06/2025	12:15:01	59.3	78.2	40.1
09/06/2025	12:30:02	59.2	77.2	40.6
09/06/2025	12:45:01	59.4	82.8	40.4
09/06/2025	13:00:01	57.4	76.1	40
09/06/2025	13:15:01	58.7	75.9	40.2
09/06/2025	13:30:02	57.1	74.9	39.3



Location 2				
09/06/2025	13:45:01	55.1	77	39.7
09/06/2025	14:00:01	57.2	76.2	41.8
09/06/2025	14:15:02	59.9	79.7	41.9
09/06/2025	14:30:01	57.4	77.3	41.2
09/06/2025	14:45:01	58.3	78.6	42.7
09/06/2025	15:00:01	58.5	75.4	42.2
09/06/2025	15:15:02	60.5	81.3	42.7
09/06/2025	15:30:01	57.4	75.8	41
09/06/2025	15:45:01	58.7	77.5	41.4
09/06/2025	16:00:01	59.9	81.8	43.7
09/06/2025	16:15:02	57	73.3	44.3
09/06/2025	16:30:01	57.5	74.9	43.6
09/06/2025	16:45:01	60.1	81.9	44.8
09/06/2025	17:00:01	58.3	74.9	43.5
09/06/2025	17:15:02	57.6	73.6	44
09/06/2025	17:30:01	59.4	77.3	44.6
09/06/2025	17:45:01	58.4	75.4	43.7
09/06/2025	18:00:01	56.2	73.8	42.1
09/06/2025	18:15:02	58.7	76.8	43.1
09/06/2025	18:30:01	56.6	71.7	42.1
09/06/2025	18:45:01	52.7	69.9	42
09/06/2025	19:00:01	56.9	71.6	42.4
09/06/2025	19:15:02	54.3	70.9	41.9
09/06/2025	19:30:01	53.5	71.9	41.5
09/06/2025	19:45:01	54.8	72.3	42.6
09/06/2025	20:00:01	59.1	85.8	38.7
09/06/2025	20:15:02	57.2	73	40
09/06/2025	20:30:01	55.3	73	37.4
09/06/2025	20:45:01	53.8	72.8	38.2
09/06/2025	21:00:01	49.7	68.2	36.2
09/06/2025	21:15:02	56.7	74.2	37.3
09/06/2025	21:30:01	52.2	72.8	36.5
09/06/2025	21:45:01	42.9	61.6	35.6
09/06/2025	22:00:01	58.2	74.1	35.8
09/06/2025	22:15:02	51.3	72.2	34.8
09/06/2025	22:30:01	48.6	66.3	34.6



Location 2				
09/06/2025	22:45:01	39.9	58.5	34.6
09/06/2025	23:00:01	45.6	65.2	32.4
09/06/2025	23:15:01	38.5	56.1	32.2
09/06/2025	23:30:01	47.6	70	31.7
09/06/2025	23:45:01	36.2	52.7	31.9
10/06/2025	00:00:01	34.5	43.1	31.1
10/06/2025	00:15:01	37.5	57.7	32.4
10/06/2025	00:30:01	39.1	57	32.8
10/06/2025	00:45:01	45.8	68.7	32.3
10/06/2025	01:00:01	37.7	55.9	32.6
10/06/2025	01:15:01	35.6	44.9	32.3
10/06/2025	01:30:01	39.2	49.4	35.2
10/06/2025	01:45:01	39	47.7	35.2
10/06/2025	02:00:01	37.9	45.9	34.9
10/06/2025	02:15:02	42	48.2	38.3
10/06/2025	02:30:01	41.3	49.2	38.5
10/06/2025	02:45:01	40.2	48	37.3
10/06/2025	03:00:01	40.9	57.7	37
10/06/2025	03:15:01	40.9	57.6	36.1
10/06/2025	03:30:01	40.4	49	36.7
10/06/2025	03:45:01	40.4	52.6	35.3
10/06/2025	04:00:01	44	64.2	38.4
10/06/2025	04:15:01	44.3	58.6	39.4
10/06/2025	04:30:01	45	61.7	40
10/06/2025	04:45:01	45.6	58.1	41.5
10/06/2025	05:00:02	44.3	56.3	40.8
10/06/2025	05:15:01	47.1	61.5	41.7
10/06/2025	05:30:01	54.4	71.2	41.2
10/06/2025	05:45:01	49.2	67.7	41.2
10/06/2025	06:00:02	53.5	69.3	41.8
10/06/2025	06:15:01	54	72.7	42.8
10/06/2025	06:30:01	53	68.4	43.6
10/06/2025	06:45:02	55.8	72	43.8
10/06/2025	07:00:01	55.5	70	45
10/06/2025	07:15:01	57	74.7	43.3
10/06/2025	07:30:01	56.1	73	44.3



Location 2				
10/06/2025	07:45:02	57.3	76.2	44.5
10/06/2025	08:00:01	55.3	73.4	43
10/06/2025	08:15:01	56.1	72.6	44.5
10/06/2025	08:30:01	57.2	72.2	43.6
10/06/2025	08:45:01	56.6	74.1	44.4
10/06/2025	09:00:01	56.7	72.6	43.2
10/06/2025	09:15:01	56.4	74.2	43.7
10/06/2025	09:30:01	55.9	75	43.4
10/06/2025	09:45:02	55.9	70.4	43.9
10/06/2025	10:00:01	58	77.1	43.3
10/06/2025	10:15:01	57.2	76.7	42.5
10/06/2025	10:30:02	57.7	75.5	42.4
10/06/2025	10:45:01	56.5	79.9	41.1
10/06/2025	11:00:01	55.6	77.6	41.2
10/06/2025	11:15:01	55.7	74.9	42.5
10/06/2025	11:30:02	59.6	82.2	41.2
10/06/2025	11:45:01	55.6	72.2	42
10/06/2025	12:00:01	58.4	77.8	43.1
10/06/2025	12:15:01	60.2	78.7	42
10/06/2025	12:30:02	57.6	83.4	41.1
10/06/2025	12:45:01	55.2	74.6	42.3
10/06/2025	13:00:01	55.1	74.3	40.8
10/06/2025	13:15:01	55.3	73.4	39.9
10/06/2025	13:30:02	55.2	74.2	39.9
10/06/2025	13:45:01	57.1	75.2	40.8
10/06/2025	14:00:01	62.1	80.6	40.5
10/06/2025	14:15:02	56.9	74.8	40.9
10/06/2025	14:30:01	57	76	41.1
10/06/2025	14:45:01	55.7	74.1	38.6
10/06/2025	15:00:01	57.8	73.8	38.9
10/06/2025	15:15:01	58	75.4	39.3
10/06/2025	15:30:01	56.8	76.5	39.5
10/06/2025	15:45:01	58.6	78.8	40.3
10/06/2025	16:00:02	57.9	74.1	40.7
10/06/2025	16:15:01	58.1	75.2	42.3
10/06/2025	16:30:01	59.3	80.2	42.3



Location 2				
10/06/2025	16:45:01	59.7	75.2	41.8
10/06/2025	17:00:02	59	76.8	40.5
10/06/2025	17:15:01	58	74.2	41.5
10/06/2025	17:30:01	56.7	74.7	40
10/06/2025	17:45:01	56.9	74.5	40.2
10/06/2025	18:00:02	56.1	75.2	40.2
10/06/2025	18:15:01	58.4	72.8	41.1
10/06/2025	18:30:01	56.5	73.3	38.5
10/06/2025	18:45:02	55	72.9	36.2
10/06/2025	19:00:01	54.7	70.4	36.3
10/06/2025	19:15:01	54.5	73.2	36.7
10/06/2025	19:30:01	53.9	72.1	36.1
10/06/2025	19:45:02	56.6	72.2	36.9
10/06/2025	20:00:01	56	73	38.4
10/06/2025	20:15:01	57.7	72.4	36.3
10/06/2025	20:30:02	55.8	73.3	34.7
10/06/2025	20:45:01	56.1	74.3	34.2
10/06/2025	21:00:01	60	78.7	36.7
10/06/2025	21:15:01	49.6	69.2	34.1
10/06/2025	21:30:02	53.4	73.6	33.6
10/06/2025	21:45:01	51.6	69.8	33.7
10/06/2025	22:00:01	55.4	74.2	32.4
10/06/2025	22:15:02	42.2	59.5	32.2
10/06/2025	22:30:01	47.6	66.4	33.1
10/06/2025	22:45:01	51.8	72.7	31.7
10/06/2025	23:00:01	39.6	53.3	33.1
10/06/2025	23:15:02	55.6	70.6	29.8
10/06/2025	23:30:01	57.1	73.1	30.5
10/06/2025	23:45:01	48.7	68	26.7
11/06/2025	00:00:01	56.2	72.4	27.6
11/06/2025	00:15:02	54	72.4	27.9
11/06/2025	00:30:01	54.3	72	28.8
11/06/2025	00:45:01	55.9	72.8	29.9
11/06/2025	01:00:01	50.3	70.9	28.3
11/06/2025	01:15:01	51.4	71.7	27.9
11/06/2025	01:30:01	52.4	70.7	27



Location 2				
11/06/2025	01:45:01	55.3	73.7	26.9
11/06/2025	02:00:01	54.9	73.5	28.8
11/06/2025	02:15:01	50.5	71.2	27.8
11/06/2025	02:30:01	31.8	41.9	27.9
11/06/2025	02:45:01	31.2	38.9	27.8
11/06/2025	03:00:02	33.2	67.2	28.5
11/06/2025	03:15:01	50.6	70.7	27.8
11/06/2025	03:30:01	33.5	49.5	28.3
11/06/2025	03:45:01	50	69.3	28.2
11/06/2025	04:00:02	43.7	62.4	34.3
11/06/2025	04:15:01	44.4	64.3	37.3
11/06/2025	04:30:01	43.3	59.2	36.5
11/06/2025	04:45:01	40.9	53.7	34.1
11/06/2025	05:00:01	41.5	54.2	32
11/06/2025	05:15:01	42.7	57.7	31.5
11/06/2025	05:30:01	54	70.8	31.3
11/06/2025	05:45:01	52.7	73.2	31.8
11/06/2025	06:00:02	57.4	75.6	31.2
11/06/2025	06:15:01	55.8	72.2	34.2
11/06/2025	06:30:01	57.3	76.1	32.9
11/06/2025	06:45:02	55.4	72.2	34.1
11/06/2025	07:00:01	53.1	69.1	35
11/06/2025	07:15:01	53.9	69.1	34.6
11/06/2025	07:30:01	56.5	72.4	37.3
11/06/2025	07:45:02	55.5	70.6	38.7
11/06/2025	08:00:01	55.2	72	37.3
11/06/2025	08:15:01	53.6	67.3	37.3
11/06/2025	08:30:01	53.5	67.7	37.4
11/06/2025	08:45:02	55.5	72	36.9
11/06/2025	09:00:01	55.7	70.2	37.9
11/06/2025	09:15:01	56.1	72.1	36.9
11/06/2025	09:30:01	56.2	73.8	35.6
11/06/2025	09:45:02	55.6	72.1	36.2
11/06/2025	10:00:01	54.6	71.6	35
11/06/2025	10:15:01	54.5	71.9	36.1
11/06/2025	10:30:01	57.3	75.9	35.7



Location 2				
11/06/2025	10:45:02	57.3	75	35
11/06/2025	11:00:01	58.3	75.4	34.2
11/06/2025	11:15:01	55.5	72.7	33.2
11/06/2025	11:30:01	53.8	71.3	31.8
11/06/2025	11:45:01	57	72.1	36.4
11/06/2025	12:00:01	58.8	74.7	34.8
11/06/2025	12:15:01	57.8	74.9	36.3
11/06/2025	12:30:02	57.4	72.9	35.4
11/06/2025	12:45:01	59.7	77.6	35.8
11/06/2025	13:00:01	58.5	73.9	38
11/06/2025	13:15:01	56.4	74.3	35.7
11/06/2025	13:30:02	57.8	76	35.9
11/06/2025	13:45:01	57.7	73.2	38
11/06/2025	14:00:01	57.9	75.8	37.5
11/06/2025	14:15:01	58.6	75.1	37
11/06/2025	14:30:02	57.3	74.4	36.8
11/06/2025	14:45:01	54.7	72.7	38.5
11/06/2025	15:00:02	58.5	75.3	38.6
11/06/2025	15:15:01	56.8	72.4	36.6
11/06/2025	15:30:01	58.3	74.8	37.7
11/06/2025	15:45:01	58.4	75.1	36.8
11/06/2025	16:00:02	57.9	73.9	36.6
11/06/2025	16:15:01	57.8	73.4	38
11/06/2025	16:30:01	58.3	74.7	39.5
11/06/2025	16:45:01	56.6	72.9	38.8
11/06/2025	17:00:02	52.3	71.6	38
11/06/2025	17:15:01	54.7	73.2	38.3
11/06/2025	17:30:01	57.8	75.2	39.7
11/06/2025	17:45:01	56.4	75	36.4
11/06/2025	18:00:02	58.5	73.2	39.7
11/06/2025	18:15:01	57.3	74	38.7
11/06/2025	18:30:01	55.3	72.6	35.7
11/06/2025	18:45:01	59.1	73.9	36.5
11/06/2025	19:00:02	58.3	74.3	35.9
11/06/2025	19:15:01	57.9	72.6	34
11/06/2025	19:30:01	58.1	73.7	35.3



Location 2				
11/06/2025	19:45:01	56.9	73.5	35.2
11/06/2025	20:00:02	55.8	74.3	32.6
11/06/2025	20:15:01	52.2	70.8	33.7
11/06/2025	20:30:01	56.5	75.1	33.8
11/06/2025	20:45:01	58.1	74.8	34.2
11/06/2025	21:00:02	53.7	70.9	32.6
11/06/2025	21:15:01	58.8	73.6	36.3
11/06/2025	21:30:01	59.3	76	35.1
11/06/2025	21:45:01	57.6	75.7	35
11/06/2025	22:00:01	57.8	74	34.3
11/06/2025	22:15:01	58.7	73.6	33.5
11/06/2025	22:30:01	58.5	74.1	35
11/06/2025	22:45:01	57.7	73.6	33.8
11/06/2025	23:00:02	58.3	73	34.3
11/06/2025	23:15:01	59.3	75.7	39.4
11/06/2025	23:30:01	58.6	75.1	36.7
11/06/2025	23:45:01	58.7	75.1	35.7
12/06/2025	00:00:02	56.4	75.2	32.8
12/06/2025	00:15:01	54.3	72.5	32.1
12/06/2025	00:30:01	34.6	42.1	31.1
12/06/2025	00:45:01	53.9	74	31.8
12/06/2025	01:00:01	50.7	71.6	31
12/06/2025	01:15:01	54.7	74.5	30.3
12/06/2025	01:30:01	58.2	77.7	30.4
12/06/2025	01:45:01	37.1	57.6	29.9
12/06/2025	02:00:02	36.8	58.2	30.8
12/06/2025	02:15:01	51.3	71.7	30.2
12/06/2025	02:30:01	50.4	71.1	29
12/06/2025	02:45:01	50.4	71	28.3
12/06/2025	03:00:01	30.3	42	28.6
12/06/2025	03:15:01	34.5	56.1	29.3
12/06/2025	03:30:01	33.1	42.7	29.4
12/06/2025	03:45:01	34.2	47.8	29.7
12/06/2025	04:00:02	51.9	72.9	34.6
12/06/2025	04:15:01	42.3	59.3	35
12/06/2025	04:30:01	53.8	73.2	36.4



Location 2				
12/06/2025	04:45:01	41.9	56.9	35.5
12/06/2025	05:00:01	40.3	57.1	34.5
12/06/2025	05:15:01	41	58.2	34.2
12/06/2025	05:30:01	53.7	75.3	35.3
12/06/2025	05:45:02	59.5	77.3	37.1
12/06/2025	06:00:01	59.2	73.4	36.8
12/06/2025	06:15:01	58.7	76.1	37.1
12/06/2025	06:30:01	55.9	73.6	36.6
12/06/2025	06:45:01	57.3	73.3	38.4
12/06/2025	07:00:01	59.2	79.3	38.6
12/06/2025	07:15:01	58.5	73.8	39.6
12/06/2025	07:30:01	57.9	75.5	39.1
12/06/2025	07:45:01	59	76.2	39.9
12/06/2025	08:00:01	57.6	74.4	40
12/06/2025	08:15:01	58.7	74.9	41.7
12/06/2025	08:30:01	58.7	77	39.6
12/06/2025	08:45:01	58.2	76.2	38.9
12/06/2025	09:00:01	57.5	73.8	40.6
12/06/2025	09:15:01	58.5	75.6	39
12/06/2025	09:30:01	58.9	75.9	38.5
12/06/2025	09:45:01	57.3	74.3	38.4
12/06/2025	10:00:01	54.2	72.2	36.8



Table C-3: Location 3 – Environmental Sound Survey Data

Location 3				
Date	Time	L _{Aeq, T} (dB)	L _{max, T} (dB)	L _{A90, T} (dB)
04/06/2025	14:45:01	57.7	81.1	36.8
04/06/2025	15:00:02	56.8	77.3	39.5
04/06/2025	15:15:01	59.4	78.4	41.9
04/06/2025	15:30:01	56.4	76.7	40.2
04/06/2025	15:45:01	59	76.2	40.3
04/06/2025	16:00:02	58	73	42
04/06/2025	16:15:01	57.2	75.1	40.2
04/06/2025	16:30:01	56.6	74.4	39.2
04/06/2025	16:45:01	57.5	73.4	41
04/06/2025	17:00:02	57.3	73.3	40.3
04/06/2025	17:15:01	57.9	76	40.5
04/06/2025	17:30:01	57.9	73.5	41.3
04/06/2025	17:45:01	58.5	73.7	42
04/06/2025	18:00:02	55.5	73.2	39.2
04/06/2025	18:15:01	55.8	73.1	39.2
04/06/2025	18:30:01	58.5	76.7	38.9
04/06/2025	18:45:01	54.6	70.1	37.9
04/06/2025	19:00:01	53.8	71.7	36.9
04/06/2025	19:15:01	55.7	72.7	35.9
04/06/2025	19:30:01	53.7	74.2	35.9
04/06/2025	19:45:02	57.2	75.4	35.7
04/06/2025	20:00:01	56.5	72	36.8
04/06/2025	20:15:01	56.7	75.1	37.1
04/06/2025	20:30:01	55.9	73.4	37
04/06/2025	20:45:02	55.2	75.4	34.7
04/06/2025	21:00:01	56.4	71.9	34.8
04/06/2025	21:15:01	53.3	72.7	33.7
04/06/2025	21:30:01	50.5	74.9	31.9
04/06/2025	21:45:02	51.2	71	30.1
04/06/2025	22:00:01	49.7	71.3	31.6
04/06/2025	22:15:01	57.2	76.1	31.6
04/06/2025	22:30:01	51.2	72.4	31.4
04/06/2025	22:45:02	34.6	49.7	27.3



Location 3				
04/06/2025	23:00:01	29.7	46.5	25.3
04/06/2025	23:15:01	32.9	49.1	25.9
04/06/2025	23:30:02	31.4	49.5	25.1
04/06/2025	23:45:01	32.8	48.4	25.9
05/06/2025	00:00:01	32.3	49.4	26.1
05/06/2025	00:15:01	30.5	49.3	25.3
05/06/2025	00:30:02	34	49.4	26.4
05/06/2025	00:45:01	33.4	50.1	25.2
05/06/2025	01:00:01	29.7	49.4	22.6
05/06/2025	01:15:02	27.8	46.8	21.3
05/06/2025	01:30:01	24.7	43.6	20.2
05/06/2025	01:45:01	26.7	42.2	21.4
05/06/2025	02:00:01	28.3	44	22.1
05/06/2025	02:15:01	30.5	47	25.4
05/06/2025	02:30:01	27.8	42.8	24.4
05/06/2025	02:45:01	29.2	46.3	22.9
05/06/2025	03:00:02	27.5	42.6	22.6
05/06/2025	03:15:01	27.8	47.8	21
05/06/2025	03:30:01	28.6	48.5	20.7
05/06/2025	03:45:01	35.7	54.9	21.9
05/06/2025	04:00:02	47.1	66.8	30.6
05/06/2025	04:15:01	46.7	56.8	35.8
05/06/2025	04:30:01	42.7	59	32.1
05/06/2025	04:45:01	39.2	55.9	32
05/06/2025	05:00:02	38.2	54.8	29.7
05/06/2025	05:15:01	40.8	67.8	31.4
05/06/2025	05:30:01	54.6	74	34.2
05/06/2025	05:45:01	55.4	74.7	36.1
05/06/2025	06:00:02	55.8	72.4	34.2
05/06/2025	06:15:01	55.4	72.9	36.9
05/06/2025	06:30:01	56	76.4	36.7
05/06/2025	06:45:01	57.7	72	39
05/06/2025	07:00:02	57.9	75.8	41.6
05/06/2025	07:15:01	56.7	74.4	44.4
05/06/2025	07:30:01	57.7	74	44.6
05/06/2025	07:45:01	59	74.1	42



Location 3				
05/06/2025	08:00:01	58.5	79.2	43.7
05/06/2025	08:15:01	59.4	76.3	42.6
05/06/2025	08:30:01	57.8	74.6	40.3
05/06/2025	08:45:02	56.5	72.1	39.5
05/06/2025	09:00:01	55.9	70.5	39.5
05/06/2025	09:15:01	59	76.5	38.8
05/06/2025	09:30:01	58.2	77.6	40.4
05/06/2025	09:45:02	55.5	72.5	38.8
05/06/2025	10:00:01	56.4	74.6	39.7
05/06/2025	10:15:01	54.8	72.8	38.7
05/06/2025	10:30:01	57.8	75.4	39.5
05/06/2025	10:45:02	57.3	76.9	42.9
05/06/2025	11:00:01	55.3	72.2	41.3
05/06/2025	11:15:01	55.8	73.9	43
05/06/2025	11:30:01	54.8	73.8	41.6
05/06/2025	11:45:02	59.9	79.7	42.9
05/06/2025	12:00:01	59.1	75.7	40.8
05/06/2025	12:15:01	61.6	83.6	40.1
05/06/2025	12:30:01	57.7	78.1	42.3
05/06/2025	12:45:01	61.4	80.6	41
05/06/2025	13:00:01	55.9	72.7	42.8
05/06/2025	13:15:01	59	76.6	41.3
05/06/2025	13:30:01	55.6	75.1	40.2
05/06/2025	13:45:01	58.8	77	41
05/06/2025	14:00:01	57.1	73.6	42
05/06/2025	14:15:01	55.3	75.1	39.9
05/06/2025	14:30:01	53.1	74.2	38
05/06/2025	14:45:01	60.5	81.8	40.5
05/06/2025	15:00:01	53.5	71	41.6
05/06/2025	15:15:01	55	72.7	42.7
05/06/2025	15:30:02	52.3	71.5	40.9
05/06/2025	15:45:01	52.7	71.3	40.8
05/06/2025	16:00:01	50.3	70.4	41
05/06/2025	16:15:02	56.9	79.7	40.5
05/06/2025	16:30:01	57.7	73.8	41.1
05/06/2025	16:45:01	53.9	72.4	39



Location 3				
05/06/2025	17:00:01	54.8	73.2	39.3
05/06/2025	17:15:02	57.9	73.4	40
05/06/2025	17:30:01	58.7	73.6	39.3
05/06/2025	17:45:01	58.3	73	39.9
05/06/2025	18:00:01	56.6	73.2	38.6
05/06/2025	18:15:02	58.9	76.2	38.7
05/06/2025	18:30:01	57	75.1	37.5
05/06/2025	18:45:01	57.8	73.2	37.7
05/06/2025	19:00:01	58.1	75.4	40.4
05/06/2025	19:15:01	55.4	69.5	38.6
05/06/2025	19:30:01	56	72.2	36.7
05/06/2025	19:45:01	59.3	73.6	35.8
05/06/2025	20:00:01	57	72.2	36.5
05/06/2025	20:15:02	56.9	71.9	35.6
05/06/2025	20:30:01	57.4	76.8	37.8
05/06/2025	20:45:01	54.8	73.7	37.6
05/06/2025	21:00:01	54.2	72.2	36.2
05/06/2025	21:15:01	52.7	71.6	33.1
05/06/2025	21:30:01	59.2	79.2	33
05/06/2025	21:45:01	53.9	73.3	29.8
05/06/2025	22:00:01	57.7	75.3	31.3
05/06/2025	22:15:02	55.2	74	32.8
05/06/2025	22:30:01	51.5	72.1	28.4
05/06/2025	22:45:01	34.2	52.6	29.4
05/06/2025	23:00:02	33.5	54.1	27.4
05/06/2025	23:15:01	31.9	56.7	27.8
05/06/2025	23:30:01	30.1	48.6	25.7
05/06/2025	23:45:01	31	45.8	26.7
06/06/2025	00:00:02	30.3	43.2	26.6
06/06/2025	00:15:01	28.5	42.4	23.6
06/06/2025	00:30:01	31.4	42.5	25.4
06/06/2025	00:45:01	28.4	40.5	22.7
06/06/2025	01:00:02	30.5	43.9	24.5
06/06/2025	01:15:01	27.5	38.9	20.9
06/06/2025	01:30:01	26.5	41.9	20
06/06/2025	01:45:01	26.8	38.8	22.1



Location 3				
06/06/2025	02:00:01	26.1	39.3	21.4
06/06/2025	02:15:01	28.2	42	20.7
06/06/2025	02:30:01	26	38.6	21.4
06/06/2025	02:45:01	28.1	39.7	21.9
06/06/2025	03:00:01	28.3	42.6	21.6
06/06/2025	03:15:01	30	43.1	23.2
06/06/2025	03:30:01	27.3	39	23.5
06/06/2025	03:45:01	44.1	60.5	24.7
06/06/2025	04:00:01	49.8	63.7	35
06/06/2025	04:15:01	51.7	66.1	37
06/06/2025	04:30:01	45	64.9	34.2
06/06/2025	04:45:01	45.1	67.3	31.8
06/06/2025	05:00:01	40.7	62.4	31
06/06/2025	05:15:01	50.6	70.3	32.1
06/06/2025	05:30:01	55	70.8	33.4
06/06/2025	05:45:02	54.3	72.1	35.1
06/06/2025	06:00:01	57.3	72.1	35.7
06/06/2025	06:15:01	56.2	72.3	37.1
06/06/2025	06:30:01	58.1	71.8	36.7
06/06/2025	06:45:02	59.2	73.7	37.8
06/06/2025	07:00:01	58.8	73	37.3
06/06/2025	07:15:01	58.5	75.2	38.3
06/06/2025	07:30:01	56.8	72.4	37.8
06/06/2025	07:45:01	57.8	76.5	38.5
06/06/2025	08:00:01	56.2	74.1	40.5
06/06/2025	08:15:01	58	75	39.7
06/06/2025	08:30:01	57.7	73.3	37.4
06/06/2025	08:45:01	57.5	74.6	38.3
06/06/2025	09:00:01	57.8	74.7	40
06/06/2025	09:15:02	58.9	81.4	45.2
06/06/2025	09:30:01	59.1	75.3	39.7
06/06/2025	09:45:01	58.2	76	38.2
06/06/2025	10:00:01	56.3	77.2	36.7
06/06/2025	10:15:01	55.2	74.2	38.2
06/06/2025	10:30:01	57.8	73.2	40.5
06/06/2025	10:45:01	56	72.7	38.7



Location 3				
06/06/2025	11:00:02	61.8	83.2	40.1
06/06/2025	11:15:01	55.8	75.1	37.2
06/06/2025	11:30:01	58.8	79.7	39
06/06/2025	11:45:01	56.6	73.4	39.9
06/06/2025	12:00:01	58.8	76.2	41.9
06/06/2025	12:15:01	57.6	75.6	38.3
06/06/2025	12:30:01	62.5	83.5	38.5
06/06/2025	12:45:01	57	77.5	37.9
06/06/2025	13:00:01	55.8	74.9	39.2
06/06/2025	13:15:01	57	75.3	37.4
06/06/2025	13:30:01	58	76.9	39.2
06/06/2025	13:45:02	58	74.1	39.4
06/06/2025	14:00:01	56.7	77.2	39.6
06/06/2025	14:15:01	56.1	75.3	38.7
06/06/2025	14:30:01	58.4	78.6	37
06/06/2025	14:45:02	57.2	75.2	38.5
06/06/2025	15:00:01	59.7	76	39.2
06/06/2025	15:15:01	57.8	74	41.3
06/06/2025	15:30:01	55.2	74.8	38.7
06/06/2025	15:45:02	57.5	73.5	43.5
06/06/2025	16:00:01	57.5	75	36.5
06/06/2025	16:15:01	56	74.8	39.4
06/06/2025	16:30:01	55.8	72.5	41.3
06/06/2025	16:45:01	55.9	75.8	39.8
06/06/2025	17:00:01	55.8	74.4	38.6
06/06/2025	17:15:01	55.6	72.4	38.2
06/06/2025	17:30:01	58	73	38.5
06/06/2025	17:45:02	58.2	73.5	37.4
06/06/2025	18:00:01	57.6	74.4	38.7
06/06/2025	18:15:01	58.1	74.9	40.3
06/06/2025	18:30:02	57.4	75.5	39.1
06/06/2025	18:45:01	57.7	74.7	40.4
06/06/2025	19:00:02	60.3	76.4	38.9
06/06/2025	19:15:01	56.7	73.4	37.8
06/06/2025	19:30:01	55.9	76	35.9
06/06/2025	19:45:01	56.7	73.3	37.1



Location 3				
06/06/2025	20:00:02	55.4	71.9	35
06/06/2025	20:15:01	56.4	76.2	33.5
06/06/2025	20:30:01	57.9	73.8	35.1
06/06/2025	20:45:01	56.2	72.3	34.3
06/06/2025	21:00:02	56.9	73.1	32.3
06/06/2025	21:15:01	55.7	71.9	30.3
06/06/2025	21:30:01	51.1	69.4	28.1
06/06/2025	21:45:01	51.4	72.3	28.3
06/06/2025	22:00:02	58	78.6	27.3
06/06/2025	22:15:01	54	72.4	27.9
06/06/2025	22:30:01	45.6	68.1	27.2
06/06/2025	22:45:02	37	54.9	27.4
06/06/2025	23:00:01	40.1	58.7	25.9
06/06/2025	23:15:01	30.1	44.6	24.7
06/06/2025	23:30:01	29.2	43	23.9
06/06/2025	23:45:02	29.2	44.3	24.5
07/06/2025	00:00:01	53.7	71.1	25.5
07/06/2025	00:15:01	32.3	53.1	27.1
07/06/2025	00:30:01	30.3	45.5	25.2
07/06/2025	00:45:01	28.7	41.7	24
07/06/2025	01:00:01	33.1	58.3	25.3
07/06/2025	01:15:01	46.4	76.6	39.9
07/06/2025	01:30:01	45.6	70.4	40.2
07/06/2025	01:45:01	51	76.1	41.8
07/06/2025	02:00:01	55.8	77.6	43.7
07/06/2025	02:15:01	41.3	65.6	35.9
07/06/2025	02:30:01	36.6	60.3	31.6
07/06/2025	02:45:01	34.5	56.1	29.9
07/06/2025	03:00:01	31.4	57.1	27.8
07/06/2025	03:15:01	30.2	48.5	26.8
07/06/2025	03:30:01	34.4	61.5	27.4
07/06/2025	03:45:01	40	60.9	29.7
07/06/2025	04:00:01	50.5	68.7	37
07/06/2025	04:15:02	62	88.3	36.7
07/06/2025	04:30:01	49.9	64.7	35.9
07/06/2025	04:45:01	45.1	68	33.5



Location 3				
07/06/2025	05:00:01	41.5	66	32.4
07/06/2025	05:15:02	54.9	72	32.1
07/06/2025	05:30:01	51.6	71.1	30.3
07/06/2025	05:45:01	55.2	72	30.4
07/06/2025	06:00:01	59.6	74.1	32.1
07/06/2025	06:15:01	57.5	70.6	33.7
07/06/2025	06:30:01	59.7	77.3	35.5
07/06/2025	06:45:01	59.3	74.6	34.6
07/06/2025	07:00:01	58.7	73.9	34.3
07/06/2025	07:15:02	59.4	73.7	37
07/06/2025	07:30:01	60.1	77.9	36
07/06/2025	07:45:01	56.9	75.5	35.6
07/06/2025	08:00:01	57.8	74.9	34.1
07/06/2025	08:15:02	59.8	74.7	40.4
07/06/2025	08:30:01	57.2	72.9	37.5
07/06/2025	08:45:01	58	75.2	35.4
07/06/2025	09:00:01	56	75.1	36.5
07/06/2025	09:15:02	58.6	78.8	37.9
07/06/2025	09:30:01	56.3	72.5	37.8
07/06/2025	09:45:01	55.8	73.5	37.5
07/06/2025	10:00:02	58	75.2	39.7
07/06/2025	10:15:01	55.1	71.3	36.5
07/06/2025	10:30:01	60.1	78	39.1
07/06/2025	10:45:01	57.7	73.5	37.2
07/06/2025	11:00:01	54.4	77.5	37.4
07/06/2025	11:15:01	58.1	75.3	36.8
07/06/2025	11:30:01	56.2	76	35.8
07/06/2025	11:45:01	59.9	79.9	39.2
07/06/2025	12:00:02	56.3	76.2	37.6
07/06/2025	12:15:01	58.6	77.4	38.7
07/06/2025	12:30:01	57.9	75.7	38.5
07/06/2025	12:45:01	59.6	77.6	39.1
07/06/2025	13:00:01	59.2	82	41.3
07/06/2025	13:15:01	61.8	83.7	37.3
07/06/2025	13:30:01	57.9	74.2	38.5
07/06/2025	13:45:02	55.7	72.4	41.1



Location 3				
07/06/2025	14:00:01	55.6	75.6	40.4
07/06/2025	14:15:01	59.1	75.9	36.6
07/06/2025	14:30:01	57.7	74.5	37.4
07/06/2025	14:45:02	56.7	75.2	41.3
07/06/2025	15:00:01	59.7	77.5	39.3
07/06/2025	15:15:01	56.5	76	37.1
07/06/2025	15:30:01	58.1	75.3	37.1
07/06/2025	15:45:02	56.3	75.6	40.8
07/06/2025	16:00:01	55.7	74.3	41
07/06/2025	16:15:01	57.5	74.6	39.5
07/06/2025	16:30:02	58.8	77.1	39.5
07/06/2025	16:45:01	57.7	74.1	41.8
07/06/2025	17:00:01	59.2	74.7	43.4
07/06/2025	17:15:02	57.8	77.6	47.3
07/06/2025	17:30:01	58.6	75.8	46.6
07/06/2025	17:45:01	62.7	85.7	52.3
07/06/2025	18:00:01	59.9	76.1	47.1
07/06/2025	18:15:02	56.2	72.8	39.9
07/06/2025	18:30:01	57.1	74.6	41
07/06/2025	18:45:01	60.7	75	39
07/06/2025	19:00:01	59	76.2	34.8
07/06/2025	19:15:02	59.3	76.7	34.8
07/06/2025	19:30:01	55.9	73.2	35
07/06/2025	19:45:01	58.7	73.9	35.2
07/06/2025	20:00:01	55.8	74.7	35.1
07/06/2025	20:15:02	59.3	76.3	37.3
07/06/2025	20:30:01	54.4	74.5	36.2
07/06/2025	20:45:01	57.2	73.6	38.1
07/06/2025	21:00:01	58.3	75.8	34.1
07/06/2025	21:15:02	54.8	74.4	35.1
07/06/2025	21:30:01	56.8	74.5	34.4
07/06/2025	21:45:01	59.6	79.9	34.4
07/06/2025	22:00:02	62.6	82.9	33.5
07/06/2025	22:15:01	37.8	44.8	34.4
07/06/2025	22:30:01	37.6	59.8	35.4
07/06/2025	22:45:01	41.3	61	32.7



Location 3				
07/06/2025	23:00:02	35.2	51.1	31.3
07/06/2025	23:15:01	35.6	44.6	32.4
07/06/2025	23:30:01	34.4	43.2	31.1
07/06/2025	23:45:01	35.1	47.5	31.1
08/06/2025	00:00:01	34.5	43.9	31.1
08/06/2025	00:15:01	39.6	58.4	29.4
08/06/2025	00:30:01	35	45.7	30.9
08/06/2025	00:45:02	35.2	47.7	31.3
08/06/2025	01:00:01	33.7	51.7	28.8
08/06/2025	01:15:01	32.3	41.6	27.9
08/06/2025	01:30:01	45.6	70.2	26.6
08/06/2025	01:45:02	50.7	75.6	24.6
08/06/2025	02:00:01	32.6	50.6	27.2
08/06/2025	02:15:01	29.8	44.9	25.6
08/06/2025	02:30:02	30.7	46.4	25
08/06/2025	02:45:01	32.6	50.1	25.8
08/06/2025	03:00:01	30.4	49.5	23.5
08/06/2025	03:15:01	26.8	46.3	22.4
08/06/2025	03:30:02	27	40.9	21.5
08/06/2025	03:45:01	44.9	60.3	27.3
08/06/2025	04:00:01	49.6	62	34.1
08/06/2025	04:15:01	49	62.9	36.4
08/06/2025	04:30:02	47.9	61.9	33.8
08/06/2025	04:45:01	41.7	58.3	30.7
08/06/2025	05:00:01	41	60.1	31.9
08/06/2025	05:15:01	37.1	59.3	30.6
08/06/2025	05:30:02	55.3	72.9	34.6
08/06/2025	05:45:01	55.2	73.8	33.9
08/06/2025	06:00:01	57.1	72.9	35.7
08/06/2025	06:15:02	58.9	73.2	36.2
08/06/2025	06:30:01	57.5	73.8	37.5
08/06/2025	06:45:01	59.8	71.9	37.4
08/06/2025	07:00:01	58.7	73.1	37
08/06/2025	07:15:02	61.1	76.9	38
08/06/2025	07:30:01	59.5	74.8	38.3
08/06/2025	07:45:01	57.9	75	35.9



Location 3				
08/06/2025	08:00:01	56.1	72.7	36.3
08/06/2025	08:15:02	58.9	73.9	37.5
08/06/2025	08:30:01	58.7	75.4	36.9
08/06/2025	08:45:01	58	75	37
08/06/2025	09:00:02	58.1	74.9	38.1
08/06/2025	09:15:01	56.6	72.8	39.1
08/06/2025	09:30:01	57	75.2	41.6
08/06/2025	09:45:01	57.9	75.2	39.9
08/06/2025	10:00:02	60.1	79.2	40.3
08/06/2025	10:15:01	60.7	79.1	40
08/06/2025	10:30:01	58.8	75.8	39.9
08/06/2025	10:45:01	57.1	83.8	37.9
08/06/2025	11:00:02	57.1	78.7	38.5
08/06/2025	11:15:01	58.6	78.5	39.1
08/06/2025	11:30:01	58.2	77	38.4
08/06/2025	11:45:01	61.7	83.2	38.7
08/06/2025	12:00:01	53.2	72.7	38.6
08/06/2025	12:15:01	55.5	73	40.3
08/06/2025	12:30:01	58.2	75.2	40.9
08/06/2025	12:45:02	54.5	71.7	37.2
08/06/2025	13:00:01	59.9	78.6	38.3
08/06/2025	13:15:01	56.9	72.6	38.2
08/06/2025	13:30:01	56.6	73.4	37.8
08/06/2025	13:45:02	57.5	74.2	39.2
08/06/2025	14:00:01	55.3	74.9	36.9
08/06/2025	14:15:01	55.6	71.9	37
08/06/2025	14:30:01	58	74.9	38.4
08/06/2025	14:45:02	58.2	79.2	38.4
08/06/2025	15:00:01	59.4	78.3	38.4
08/06/2025	15:15:01	56.3	73.4	38.3
08/06/2025	15:30:01	60.3	80.9	38.9
08/06/2025	15:45:01	56.6	74.9	39.3
08/06/2025	16:00:01	58.5	75.4	39.3
08/06/2025	16:15:01	56.6	73.7	41.8
08/06/2025	16:30:01	57	74.3	38.6
08/06/2025	16:45:02	57.5	76	40.3



Location 3				
08/06/2025	17:00:01	59	81.3	41.5
08/06/2025	17:15:01	58.6	89.9	41.2
08/06/2025	17:30:01	57.3	73.8	41.3
08/06/2025	17:45:01	55.2	72.4	39
08/06/2025	18:00:01	58.6	74.5	40.4
08/06/2025	18:15:01	55.8	72.8	37.1
08/06/2025	18:30:01	56.8	72.8	38.7
08/06/2025	18:45:01	57	72.9	38.6
08/06/2025	19:00:01	58.5	75.3	42.1
08/06/2025	19:15:01	55.4	70.5	37.7
08/06/2025	19:30:02	56.6	73.4	37.8
08/06/2025	19:45:01	57.6	72.7	36.9
08/06/2025	20:00:01	57.3	72.7	37
08/06/2025	20:15:01	58.4	72.2	36.1
08/06/2025	20:30:02	58	72.7	35.1
08/06/2025	20:45:01	55.2	71.8	35.5
08/06/2025	21:00:01	58.1	72.3	35.7
08/06/2025	21:15:01	55.9	69.3	33
08/06/2025	21:30:02	54.6	70.9	29.4
08/06/2025	21:45:01	59.2	76.8	28.1
08/06/2025	22:00:01	52.5	70.4	27.3
08/06/2025	22:15:01	51.3	71.1	27.6
08/06/2025	22:30:02	30	42.1	25
08/06/2025	22:45:01	51.3	69.8	27.4
08/06/2025	23:00:01	41.7	62.7	24.5
08/06/2025	23:15:01	30.9	42.3	26.4
08/06/2025	23:30:01	30.3	39.3	25
08/06/2025	23:45:01	29	42.7	22.4
09/06/2025	00:00:01	27.9	39.7	22.1
09/06/2025	00:15:02	27.8	39.5	23.2
09/06/2025	00:30:01	32.9	55.3	22.4
09/06/2025	00:45:01	33.7	54.8	21.3
09/06/2025	01:00:01	31	55.1	20
09/06/2025	01:15:02	27.2	43	20.4
09/06/2025	01:30:01	36.4	58.4	20.4
09/06/2025	01:45:01	31.6	56.3	20



Location 3				
09/06/2025	02:00:02	22.2	33.6	20
09/06/2025	02:15:01	22.7	32.4	20
09/06/2025	02:30:01	26.4	44	20
09/06/2025	02:45:01	21	32.6	20
09/06/2025	03:00:01	22.7	40.9	20
09/06/2025	03:15:01	25.5	39.3	20
09/06/2025	03:30:01	23.5	34	20
09/06/2025	03:45:01	46.1	63.4	26.7
09/06/2025	04:00:01	49.9	64.9	35.1
09/06/2025	04:15:01	51.7	64.1	37.9
09/06/2025	04:30:01	45.6	63.2	33.6
09/06/2025	04:45:02	45.6	58.9	33.9
09/06/2025	05:00:01	46	68.8	31.4
09/06/2025	05:15:01	47.7	66	32.4
09/06/2025	05:30:02	52.4	69.6	32.9
09/06/2025	05:45:01	58.4	72.5	34.7
09/06/2025	06:00:01	57.1	71.7	35.8
09/06/2025	06:15:01	59.4	75.1	37.3
09/06/2025	06:30:02	57.9	72.6	38.6
09/06/2025	06:45:01	58.8	72.4	37.8
09/06/2025	07:00:01	59.1	71.3	38.8
09/06/2025	07:15:01	59.1	71	39.3
09/06/2025	07:30:01	59.2	78.7	39.8
09/06/2025	07:45:01	59.2	72.5	37.1
09/06/2025	08:00:01	58.4	74.5	34.9
09/06/2025	08:15:01	56.4	70.3	35.1
09/06/2025	08:30:01	57.8	73	35.6
09/06/2025	08:45:01	57.7	72.7	36
09/06/2025	09:00:01	56.8	71.8	34.1
09/06/2025	09:15:01	56.3	70.4	36.2
09/06/2025	09:30:01	59.5	76.5	37.1
09/06/2025	09:45:01	59.1	74.7	37.3
09/06/2025	10:00:02	58.3	75.1	38.7
09/06/2025	10:15:01	59.4	78.7	38.6
09/06/2025	10:30:02	58.4	76.3	37.3
09/06/2025	10:45:01	60.7	82.3	38.6



Location 3				
09/06/2025	11:00:01	59.1	77.2	37.5
09/06/2025	11:15:01	54.5	71.7	35.6
09/06/2025	11:30:02	58.3	82.1	35.4
09/06/2025	11:45:01	61.2	84.8	34.4
09/06/2025	12:00:01	60.2	75.4	37.5
09/06/2025	12:15:01	57.6	74.6	38.7
09/06/2025	12:30:01	57.9	76.4	38.4
09/06/2025	12:45:01	57.5	79.9	35.9
09/06/2025	13:00:01	56.4	72.8	35.6
09/06/2025	13:15:01	56.5	74.3	37.2
09/06/2025	13:30:01	58.3	76.1	35.7
09/06/2025	13:45:01	57.3	77.4	34.8
09/06/2025	14:00:01	57.2	74.6	37.5
09/06/2025	14:15:01	59.5	80.5	38.5
09/06/2025	14:30:01	57.5	78.2	40
09/06/2025	14:45:01	57	73.8	39
09/06/2025	15:00:01	61.5	77.4	38.1
09/06/2025	15:15:01	57	73.8	38
09/06/2025	15:30:02	56.4	74.8	36.4
09/06/2025	15:45:01	59.8	77.6	38.2
09/06/2025	16:00:01	56.3	73.7	40.7
09/06/2025	16:15:02	57.2	75.7	39.9
09/06/2025	16:30:01	57.4	75.6	38.5
09/06/2025	16:45:01	57.2	76.4	39.3
09/06/2025	17:00:01	57.6	72.5	37.2
09/06/2025	17:15:01	58.2	74.6	39.2
09/06/2025	17:30:01	57.9	74.7	39.2
09/06/2025	17:45:01	57.3	73.5	38.8
09/06/2025	18:00:02	55.5	75.1	36.7
09/06/2025	18:15:01	59.3	78.5	37.6
09/06/2025	18:30:01	57.6	75.6	37.5
09/06/2025	18:45:01	52.2	71.2	35.9
09/06/2025	19:00:02	56.8	73.8	36.6
09/06/2025	19:15:01	56.7	77.7	34
09/06/2025	19:30:01	54.6	70.9	33.3
09/06/2025	19:45:01	55.5	71.8	34



Location 3				
09/06/2025	20:00:01	53.9	71.4	33.6
09/06/2025	20:15:01	56.6	72.3	35.5
09/06/2025	20:30:01	54.9	73.2	33.6
09/06/2025	20:45:02	54.8	71.7	33.6
09/06/2025	21:00:01	54.2	75.2	31.1
09/06/2025	21:15:01	56.5	74.2	31.9
09/06/2025	21:30:01	50.8	73.4	29.3
09/06/2025	21:45:02	33.9	51.6	28.2
09/06/2025	22:00:01	59.2	75.6	28.8
09/06/2025	22:15:01	54.7	76.8	27.2
09/06/2025	22:30:01	48.5	69.5	26.9
09/06/2025	22:45:02	30.9	46.4	27
09/06/2025	23:00:01	50.5	71.8	25.6
09/06/2025	23:15:01	30.8	49.9	24.7
09/06/2025	23:30:01	51.7	74.7	24.3
09/06/2025	23:45:02	28.8	45.9	24.7
10/06/2025	00:00:01	27.5	48.2	22.7
10/06/2025	00:15:01	27.5	42.2	23.8
10/06/2025	00:30:01	30.2	46.6	24.2
10/06/2025	00:45:02	47.5	69.9	24.9
10/06/2025	01:00:01	30.4	51.9	24.3
10/06/2025	01:15:01	28.4	47.1	23.4
10/06/2025	01:30:01	34.2	51.1	27.4
10/06/2025	01:45:01	34.9	53.6	27.8
10/06/2025	02:00:01	36.6	52	28.2
10/06/2025	02:15:01	39.2	52.3	33
10/06/2025	02:30:01	38.6	53.2	31.6
10/06/2025	02:45:01	36.3	53.9	29.2
10/06/2025	03:00:01	36.5	54	28.6
10/06/2025	03:15:01	35.4	52.7	29.9
10/06/2025	03:30:01	36.9	54.8	29.4
10/06/2025	03:45:01	38	54	30.5
10/06/2025	04:00:01	50.1	66.1	35.2
10/06/2025	04:15:01	50.8	66	40.4
10/06/2025	04:30:02	49.6	64.3	38.1
10/06/2025	04:45:01	54	67.9	38



Location 3				
10/06/2025	05:00:01	42.5	60.8	35.5
10/06/2025	05:15:01	46.8	66.7	35.7
10/06/2025	05:30:02	53.5	71.5	35
10/06/2025	05:45:01	52.3	69.4	36.4
10/06/2025	06:00:01	54.1	69.3	36.7
10/06/2025	06:15:01	52.7	67.5	37.5
10/06/2025	06:30:02	54.4	69.4	38.4
10/06/2025	06:45:01	53.5	72.8	39
10/06/2025	07:00:01	55.6	70.4	41.3
10/06/2025	07:15:01	55	70.5	38.8
10/06/2025	07:30:02	54.3	71.9	39.2
10/06/2025	07:45:01	56.2	72.8	39.8
10/06/2025	08:00:01	55.5	74.5	39.3
10/06/2025	08:15:02	57.1	73.5	40.4
10/06/2025	08:30:01	58.2	76	41.6
10/06/2025	08:45:01	55.8	73.9	40.8
10/06/2025	09:00:01	56.2	72.3	41.8
10/06/2025	09:15:02	55.8	72.4	38.7
10/06/2025	09:30:01	55.9	72.8	38.2
10/06/2025	09:45:01	55.5	72.4	41.7
10/06/2025	10:00:02	56.5	72.6	37.5
10/06/2025	10:15:01	55.8	71.8	38
10/06/2025	10:30:01	57.3	74.9	38.5
10/06/2025	10:45:01	53.5	77.7	37.2
10/06/2025	11:00:01	54.2	78	37.2
10/06/2025	11:15:01	56	72.4	37.9
10/06/2025	11:30:01	61.2	82.1	36.1
10/06/2025	11:45:01	56.8	73.5	38.4
10/06/2025	12:00:01	60.1	82.4	37.7
10/06/2025	12:15:01	58.7	75.9	36.3
10/06/2025	12:30:01	57.1	77.4	36.3
10/06/2025	12:45:02	55.3	73.3	36.6
10/06/2025	13:00:01	56.7	76.5	37.8
10/06/2025	13:15:01	56.3	73	35.4
10/06/2025	13:30:01	55.7	73.9	35.5
10/06/2025	13:45:02	58.2	73.8	36



Location 3				
10/06/2025	14:00:01	60.3	76.3	35.6
10/06/2025	14:15:01	58	73.2	35.8
10/06/2025	14:30:01	58	77.6	36.6
10/06/2025	14:45:02	55.2	71.3	34.2
10/06/2025	15:00:01	61.6	82.6	35.5
10/06/2025	15:15:01	59	75.5	35.6
10/06/2025	15:30:01	57.8	73.7	36.8
10/06/2025	15:45:02	55.8	79.7	36.9
10/06/2025	16:00:01	58.2	75.6	36.2
10/06/2025	16:15:01	57.3	73.5	35.9
10/06/2025	16:30:01	56.9	82.5	35.1
10/06/2025	16:45:02	56.6	73.1	34.9
10/06/2025	17:00:01	58.5	77.2	35.4
10/06/2025	17:15:01	58.6	75.4	34.8
10/06/2025	17:30:01	56	73.7	35
10/06/2025	17:45:02	54.5	72.9	33.1
10/06/2025	18:00:01	55.3	71.6	35.6
10/06/2025	18:15:01	57.8	75.7	36.4
10/06/2025	18:30:01	56.1	70.3	35.8
10/06/2025	18:45:02	53.6	71.1	33.3
10/06/2025	19:00:01	57.7	75	34.2
10/06/2025	19:15:01	55.5	72.9	31.9
10/06/2025	19:30:01	51.5	67.8	32.2
10/06/2025	19:45:01	57.1	73.3	33.2
10/06/2025	20:00:01	56.5	69.9	32.9
10/06/2025	20:15:01	58.6	78.6	33.9
10/06/2025	20:30:02	53.6	71.5	30.6
10/06/2025	20:45:01	55.3	73	28.8
10/06/2025	21:00:01	58.1	78.3	33.6
10/06/2025	21:15:01	51.8	71.3	28.4
10/06/2025	21:30:01	49.4	69.3	26.1
10/06/2025	21:45:01	54.9	72.7	27.9
10/06/2025	22:00:01	58.6	77.4	26.9
10/06/2025	22:15:01	35.6	62.8	24.2
10/06/2025	22:30:01	43	62	25
10/06/2025	22:45:01	48.9	68.7	25.7



Location 3				
10/06/2025	23:00:01	45.6	66.7	24.8
10/06/2025	23:15:01	46.9	63.2	20.8
10/06/2025	23:30:02	48.3	62.2	20
10/06/2025	23:45:01	39.8	59.6	20
11/06/2025	00:00:01	47.5	62.7	21.7
11/06/2025	00:15:02	45.1	62.4	20
11/06/2025	00:30:01	46.3	67.1	20
11/06/2025	00:45:01	47.3	64.8	21.4
11/06/2025	01:00:02	42	63.3	20
11/06/2025	01:15:01	42.8	61.8	21.1
11/06/2025	01:30:01	44.3	62.9	20.7
11/06/2025	01:45:01	45.9	61.2	20.2
11/06/2025	02:00:02	45.8	62.5	21.7
11/06/2025	02:15:01	42	61.3	22.1
11/06/2025	02:30:01	32.6	46.2	25.5
11/06/2025	02:45:02	31.7	44.7	25.5
11/06/2025	03:00:01	31.9	44.5	26.9
11/06/2025	03:15:01	42.3	62.8	29.2
11/06/2025	03:30:01	34.8	48.8	25.3
11/06/2025	03:45:02	46.1	61	27.8
11/06/2025	04:00:01	50.5	66.5	36.5
11/06/2025	04:15:01	50.4	67.9	34
11/06/2025	04:30:01	46.2	57.1	34.6
11/06/2025	04:45:02	50	63.3	35.2
11/06/2025	05:00:01	50.1	65.1	34
11/06/2025	05:15:01	41.2	55.9	34.4
11/06/2025	05:30:01	46.9	67.2	36.9
11/06/2025	05:45:02	46.2	63.4	31.8
11/06/2025	06:00:01	48.1	73.2	30.3
11/06/2025	06:15:01	45.4	62.1	31.2
11/06/2025	06:30:01	49.4	66.7	33
11/06/2025	06:45:02	53.8	68	36.1
11/06/2025	07:00:01	45.6	59.7	33.6
11/06/2025	07:15:01	44.5	62.4	31.8
11/06/2025	07:30:01	45.8	63.9	33.6
11/06/2025	07:45:02	46.5	61.1	34.6



Location 3				
11/06/2025	08:00:01	45	61.4	32.7
11/06/2025	08:15:01	44.7	63.4	34.5
11/06/2025	08:30:01	46.3	63.9	35.9
11/06/2025	08:45:01	45.4	60.7	35
11/06/2025	09:00:01	45.2	60	33.8
11/06/2025	09:15:01	47.2	62	35.2
11/06/2025	09:30:01	46.5	63.5	31.6
11/06/2025	09:45:01	45.5	61.4	32.6
11/06/2025	10:00:01	45.7	61.1	33.6
11/06/2025	10:15:01	46.4	63.9	33.9
11/06/2025	10:30:01	49.4	69.6	35.6
11/06/2025	10:45:01	50.2	64.8	36.4
11/06/2025	11:00:01	49.6	66.6	35.1
11/06/2025	11:15:01	47.5	68.2	35.4
11/06/2025	11:30:02	46.5	63.5	34.6
11/06/2025	11:45:01	49.7	67.4	35.6
11/06/2025	12:00:01	50.1	65.1	36.1
11/06/2025	12:15:01	50.2	66.2	37.5
11/06/2025	12:30:02	49.8	65.1	35.9
11/06/2025	12:45:01	59.7	73.8	34.7
11/06/2025	13:00:01	62.2	78.3	44.2
11/06/2025	13:15:01	61.2	76.2	53.9
11/06/2025	13:30:02	70	84.2	38.9
11/06/2025	13:45:01	50.6	66	38
11/06/2025	14:00:01	50.2	63.9	40.3
11/06/2025	14:15:01	51.5	70.8	36.6



Table C-4: Location 4 – Environmental Sound Survey Data

Location 4				
Date	Time	L _{Aeq, T} (dB)	L _{max, T} (dB)	L _{A90, T} (dB)
04/06/2025	13:45:01	59.7	87.2	42.1
04/06/2025	14:00:02	60.3	82.6	39.5
04/06/2025	14:15:01	56.7	74.9	37.7
04/06/2025	14:30:01	58.3	75.8	39.1
04/06/2025	14:45:01	60.4	83.6	39.2
04/06/2025	15:00:02	60.3	82.9	37.7
04/06/2025	15:15:01	59.6	76.5	40.8
04/06/2025	15:30:01	58.3	78.8	39.5
04/06/2025	15:45:01	58.7	76	39.6
04/06/2025	16:00:02	57.5	73.5	41.4
04/06/2025	16:15:01	59.8	77.9	41.3
04/06/2025	16:30:01	60	76.4	40.6
04/06/2025	16:45:01	59.3	75	43.3
04/06/2025	17:00:02	59.6	77.5	41.5
04/06/2025	17:15:01	59.7	74.9	43.8
04/06/2025	17:30:01	60	76.4	41.7
04/06/2025	17:45:01	59.8	75.7	43.2
04/06/2025	18:00:02	58.1	72.2	41.6
04/06/2025	18:15:01	56.5	73.1	40.3
04/06/2025	18:30:01	56.8	73.2	38.4
04/06/2025	18:45:01	55.5	70.7	37.9
04/06/2025	19:00:02	54.6	75.9	38.3
04/06/2025	19:15:01	53.9	70.6	36.1
04/06/2025	19:30:01	57.8	75.2	35.3
04/06/2025	19:45:02	56.8	73.7	38.3
04/06/2025	20:00:01	57.8	73.2	36.6
04/06/2025	20:15:01	56.7	74.7	37.6
04/06/2025	20:30:01	57	75.3	36.9
04/06/2025	20:45:01	55	71.6	35.4
04/06/2025	21:00:01	57.2	76.8	34.7
04/06/2025	21:15:01	54.3	72	33.7
04/06/2025	21:30:02	53	75.2	31.3



Location 4				
04/06/2025	21:45:01	53.5	70.4	31.9
04/06/2025	22:00:01	42.5	66.3	31.8
04/06/2025	22:15:01	53.4	71.1	31.1
04/06/2025	22:30:01	46.8	66.1	30.7
04/06/2025	22:45:01	45.9	65.5	27.4
04/06/2025	23:00:01	39.2	65.7	27.4
04/06/2025	23:15:01	33.3	50	27.4
04/06/2025	23:30:01	44.9	67.1	27.6
04/06/2025	23:45:01	42.3	77.1	27
05/06/2025	00:00:01	34.5	55.4	26.3
05/06/2025	00:15:01	40.5	64.9	26.5
05/06/2025	00:30:01	41.2	66.2	26
05/06/2025	00:45:01	42.2	67.6	23.2
05/06/2025	01:00:01	27.4	40.7	23
05/06/2025	01:15:01	28.2	42.5	21.4
05/06/2025	01:30:01	26.2	37.9	20.7
05/06/2025	01:45:02	42.5	67.4	21.5
05/06/2025	02:00:01	30.1	42.7	23
05/06/2025	02:15:01	38.5	65.3	25.1
05/06/2025	02:30:01	27.3	39	23.1
05/06/2025	02:45:02	36.9	62.7	22.2
05/06/2025	03:00:01	35	60	22.2
05/06/2025	03:15:01	28.6	39.3	23.1
05/06/2025	03:30:01	36.3	62.7	20
05/06/2025	03:45:02	43.2	65	22.6
05/06/2025	04:00:02	50.3	71.6	31
05/06/2025	04:15:01	54.4	71	35.8
05/06/2025	04:30:01	53.2	75.3	34.9
05/06/2025	04:45:01	45	69.1	34.3
05/06/2025	05:00:02	45.8	67.6	34.5
05/06/2025	05:15:01	52	80.8	35
05/06/2025	05:30:01	56.7	73.8	36.5
05/06/2025	05:45:01	55.7	71.3	37.2
05/06/2025	06:00:02	57.6	74.7	37
05/06/2025	06:15:01	56.7	75.5	37.5
05/06/2025	06:30:01	57.8	79.1	37.9



Location 4				
05/06/2025	06:45:01	58.6	75.4	39.1
05/06/2025	07:00:02	60.2	76.7	44.5
05/06/2025	07:15:01	60.1	73	46.2
05/06/2025	07:30:01	59.8	73	45.8
05/06/2025	07:45:02	61.9	76.8	45.6
05/06/2025	08:00:01	60.9	75.1	47
05/06/2025	08:15:01	61.5	76.3	45.4
05/06/2025	08:30:01	59.4	74.3	43
05/06/2025	08:45:02	59.1	74.8	41.1
05/06/2025	09:00:01	58.8	74.4	41.3
05/06/2025	09:15:01	59.5	77.3	41.6
05/06/2025	09:30:01	58.5	74.5	41.4
05/06/2025	09:45:02	58.1	75.1	40.2
05/06/2025	10:00:01	59.2	78.4	39.4
05/06/2025	10:15:01	58.5	78.3	39
05/06/2025	10:30:02	58.9	74.8	40.8
05/06/2025	10:45:01	58.2	73.4	42.7
05/06/2025	11:00:01	57.9	75.6	41.9
05/06/2025	11:15:01	61.1	78.2	43.3
05/06/2025	11:30:02	57.1	76.2	41.2
05/06/2025	11:45:01	58.1	75.1	44.7
05/06/2025	12:00:01	60.7	83.2	40.8
05/06/2025	12:15:01	59.9	76.3	41.1
05/06/2025	12:30:01	59.9	77.3	41.6
05/06/2025	12:45:01	61.8	82.8	40.2
05/06/2025	13:00:01	58.2	82	42.4
05/06/2025	13:15:01	59.1	78.7	43
05/06/2025	13:30:01	59.1	76.3	42.5
05/06/2025	13:45:01	61.6	82.5	43.9
05/06/2025	14:00:01	57.7	77	39.5
05/06/2025	14:15:01	58	78.1	38.3
05/06/2025	14:30:02	57.6	75.7	38.3
05/06/2025	14:45:01	59.3	77.6	40.1
05/06/2025	15:00:01	57.6	76.4	40.5
05/06/2025	15:15:01	55.8	71.8	41
05/06/2025	15:30:01	56.8	74.3	40.7



Location 4				
05/06/2025	15:45:01	59.2	80.3	40.8
05/06/2025	16:00:01	56.3	69.4	41.3
05/06/2025	16:15:02	58.5	72.8	42.4
05/06/2025	16:30:01	59	76.3	42
05/06/2025	16:45:01	59	74.4	41.6
05/06/2025	17:00:01	60.4	73.6	43.8
05/06/2025	17:15:02	60.8	75.4	41.6
05/06/2025	17:30:01	59	74.8	39.2
05/06/2025	17:45:01	59.4	72.8	41.5
05/06/2025	18:00:01	59	74.6	39.2
05/06/2025	18:15:02	57.7	73.1	39.6
05/06/2025	18:30:01	57.8	72.7	39.8
05/06/2025	18:45:01	58.4	74.8	37.5
05/06/2025	19:00:01	57.7	74.7	39
05/06/2025	19:15:01	58.7	84.1	38
05/06/2025	19:30:01	57.2	71.7	39.1
05/06/2025	19:45:01	59.4	74.8	39.2
05/06/2025	20:00:01	57.5	72.3	36.2
05/06/2025	20:15:01	57.7	74.8	36.7
05/06/2025	20:30:02	58	73.5	37.5
05/06/2025	20:45:01	56.3	75.2	39.7
05/06/2025	21:00:01	52.2	68.5	37.1
05/06/2025	21:15:01	54.6	70.7	35.7
05/06/2025	21:30:02	61	80.3	35.1
05/06/2025	21:45:01	55.5	73.5	33.2
05/06/2025	22:00:01	53.8	71.7	32.5
05/06/2025	22:15:01	54.7	71.2	33.2
05/06/2025	22:30:02	54	73.9	30.2
05/06/2025	22:45:01	43.3	66.1	30.6
05/06/2025	23:00:01	40.2	65.8	29.6
05/06/2025	23:15:01	44	68.2	28.5
05/06/2025	23:30:01	43.3	66.3	27.8
05/06/2025	23:45:01	40.6	67.3	24.9
06/06/2025	00:00:01	41.2	64.1	27.8
06/06/2025	00:15:01	29.7	41.9	25.8
06/06/2025	00:30:02	41.4	62.4	27.8



Location 4				
06/06/2025	00:45:01	38.9	65.9	25.8
06/06/2025	01:00:01	31.1	42.6	23.7
06/06/2025	01:15:01	30.2	44.6	23.2
06/06/2025	01:30:01	26.7	40.8	20
06/06/2025	01:45:01	36.2	61.1	21.7
06/06/2025	02:00:01	28.5	43.7	21.8
06/06/2025	02:15:02	42.8	70.3	20.8
06/06/2025	02:30:01	42.3	62.4	24
06/06/2025	02:45:01	42.6	67.7	24.3
06/06/2025	03:00:01	43.4	68.5	22.5
06/06/2025	03:15:01	32.8	61.6	22.9
06/06/2025	03:30:01	39.7	66.7	26.1
06/06/2025	03:45:01	32.5	42.7	26.8
06/06/2025	04:00:02	56.2	75.6	34.3
06/06/2025	04:15:01	53	73.2	37.6
06/06/2025	04:30:01	49.3	65.7	37.1
06/06/2025	04:45:01	49.6	72	35.1
06/06/2025	05:00:02	58.4	74.8	34.9
06/06/2025	05:15:01	53.3	71.8	37.2
06/06/2025	05:30:01	50.7	67.5	37.6
06/06/2025	05:45:01	55.1	71.1	38.6
06/06/2025	06:00:02	58.5	72.4	40.1
06/06/2025	06:15:01	56.7	71.8	39.5
06/06/2025	06:30:01	59.6	74.5	40.7
06/06/2025	06:45:01	58.5	74.4	40.5
06/06/2025	07:00:01	59.9	76.3	41.3
06/06/2025	07:15:01	58.6	73.8	40.6
06/06/2025	07:30:01	58.6	73.5	40.1
06/06/2025	07:45:01	58.9	75.3	39.9
06/06/2025	08:00:01	58.8	75.5	41.1
06/06/2025	08:15:01	60.1	76.4	40
06/06/2025	08:30:01	58.1	73.2	38.5
06/06/2025	08:45:01	58.8	75.5	40.2
06/06/2025	09:00:02	59.2	77.4	44.8
06/06/2025	09:15:01	60.2	76.3	47
06/06/2025	09:30:01	58.6	74.9	41.2



Location 4				
06/06/2025	09:45:01	58.5	73.3	40.6
06/06/2025	10:00:02	57.9	74.1	38.9
06/06/2025	10:15:01	56.8	73.1	39.2
06/06/2025	10:30:01	59.9	78	40.3
06/06/2025	10:45:01	57.7	75.8	39.1
06/06/2025	11:00:02	61.7	76.6	40.2
06/06/2025	11:15:01	60.5	83	39.3
06/06/2025	11:30:01	61	80.9	39.4
06/06/2025	11:45:01	58.9	81.1	40.9
06/06/2025	12:00:02	59.5	80.7	40
06/06/2025	12:15:01	58.2	75.8	40.5
06/06/2025	12:30:01	60.5	79.3	39.8
06/06/2025	12:45:01	57.9	73.7	41
06/06/2025	13:00:02	58.2	73.1	41.7
06/06/2025	13:15:01	59.6	76	38.7
06/06/2025	13:30:01	60.4	79.1	39.5
06/06/2025	13:45:01	58	74.4	40.3
06/06/2025	14:00:02	60.6	82.7	39.6
06/06/2025	14:15:01	58	77.7	38.9
06/06/2025	14:30:01	61.6	86.1	39.3
06/06/2025	14:45:01	58.8	79	40.3
06/06/2025	15:00:02	59.5	76.7	40.8
06/06/2025	15:15:01	59.8	78.1	41.2
06/06/2025	15:30:01	55.9	76.7	41.1
06/06/2025	15:45:01	60	80.2	44
06/06/2025	16:00:01	61.1	84	41.1
06/06/2025	16:15:01	60.2	80.1	41.9
06/06/2025	16:30:01	60.1	74.5	43.3
06/06/2025	16:45:01	59.5	73.2	42.1
06/06/2025	17:00:02	60.8	78.4	41.9
06/06/2025	17:15:01	60.3	75	42.2
06/06/2025	17:30:01	59.5	76.1	40
06/06/2025	17:45:01	58.7	76.3	41.4
06/06/2025	18:00:02	59	76	40.7
06/06/2025	18:15:01	60.5	74.7	40.6
06/06/2025	18:30:01	58.8	75.5	39.3



Location 4				
06/06/2025	18:45:02	58.2	75.4	39.9
06/06/2025	19:00:01	58	75.1	39.5
06/06/2025	19:15:01	57.2	72.7	37.4
06/06/2025	19:30:01	56.6	73.7	37.9
06/06/2025	19:45:02	58.1	75.2	38.1
06/06/2025	20:00:01	53.2	69.1	34.9
06/06/2025	20:15:01	56.8	74.1	35.7
06/06/2025	20:30:01	58.6	74.9	35.5
06/06/2025	20:45:02	54.7	75.3	34.4
06/06/2025	21:00:01	56.5	72.8	34
06/06/2025	21:15:01	57.9	75.9	36.7
06/06/2025	21:30:01	54.5	72.6	31.6
06/06/2025	21:45:02	47.1	67.1	31.1
06/06/2025	22:00:01	52.1	72.8	29.8
06/06/2025	22:15:01	56.6	75	31.2
06/06/2025	22:30:01	47.8	69.2	29.9
06/06/2025	22:45:01	43.6	64.6	29.4
06/06/2025	23:00:01	46.1	66.1	28.6
06/06/2025	23:15:01	45	67.4	27.4
06/06/2025	23:30:01	32.3	50.8	25.3
06/06/2025	23:45:02	40	65.3	26.3
07/06/2025	00:00:01	54.9	71.7	28.2
07/06/2025	00:15:01	40.2	62.9	28.8
07/06/2025	00:30:01	40.9	67.5	27
07/06/2025	00:45:01	45	66.9	26.4
07/06/2025	01:00:01	48.4	68.7	29.9
07/06/2025	01:15:01	49.9	73.8	44.2
07/06/2025	01:30:01	47.1	67.8	43.6
07/06/2025	01:45:02	52.8	79.8	45.2
07/06/2025	02:00:01	53.7	76	42.6
07/06/2025	02:15:01	41.1	59.2	38.1
07/06/2025	02:30:01	39.5	66.9	35.2
07/06/2025	02:45:02	38.2	67.3	33.7
07/06/2025	03:00:01	40.8	65.5	32.7
07/06/2025	03:15:01	36.5	68.3	31.2
07/06/2025	03:30:01	44.8	68.2	31.2



Location 4				
07/06/2025	03:45:02	41.1	67.4	35.9
07/06/2025	04:00:01	54.6	76.5	39.7
07/06/2025	04:15:01	53.8	71.2	40
07/06/2025	04:30:01	54.6	75.4	39.4
07/06/2025	04:45:02	41.8	64.3	37.2
07/06/2025	05:00:01	45.4	70.1	34.9
07/06/2025	05:15:01	55.8	77.5	35.6
07/06/2025	05:30:01	51.7	70.2	33.9
07/06/2025	05:45:02	57.1	75.6	34.4
07/06/2025	06:00:01	57.5	72.3	34.7
07/06/2025	06:15:01	58.6	72.5	37.4
07/06/2025	06:30:01	59.5	74.2	37.8
07/06/2025	06:45:02	59.6	73.9	37.3
07/06/2025	07:00:01	59.9	75.2	37.8
07/06/2025	07:15:01	61	76.9	39.2
07/06/2025	07:30:01	58.9	75.7	37.4
07/06/2025	07:45:02	56.7	75.3	38
07/06/2025	08:00:01	58.7	79.7	36
07/06/2025	08:15:01	59.9	75.5	40.6
07/06/2025	08:30:01	57.9	74.6	38.9
07/06/2025	08:45:02	60.6	80.1	38.1
07/06/2025	09:00:01	56.9	72.6	38.3
07/06/2025	09:15:01	58.1	74.9	39.2
07/06/2025	09:30:01	58.7	75.7	39.5
07/06/2025	09:45:02	59.8	78.1	38.8
07/06/2025	10:00:01	58.1	79.3	40.3
07/06/2025	10:15:01	58.9	76.3	38.7
07/06/2025	10:30:02	61.9	84.6	39.6
07/06/2025	10:45:01	58.1	74.2	40.2
07/06/2025	11:00:01	60.3	81.5	38.3
07/06/2025	11:15:01	59.8	77.3	38.2
07/06/2025	11:30:02	62.4	86	38.6
07/06/2025	11:45:01	62.4	92.2	38.3
07/06/2025	12:00:01	58	78.8	39.7
07/06/2025	12:15:01	56.6	77	38.8
07/06/2025	12:30:02	56	71.2	38.8



Location 4				
07/06/2025	12:45:01	61.9	78.5	39.2
07/06/2025	13:00:01	62.3	87.1	38
07/06/2025	13:15:01	58.9	77.5	36.9
07/06/2025	13:30:01	58.9	83.2	39.1
07/06/2025	13:45:01	58.4	77.4	39.9
07/06/2025	14:00:01	61.2	82.2	39
07/06/2025	14:15:01	60	82.3	39.4
07/06/2025	14:30:02	59.4	78.7	40.1
07/06/2025	14:45:01	54.2	75.5	38.7
07/06/2025	15:00:01	57.1	75.2	40.4
07/06/2025	15:15:01	60.1	80.5	39.1
07/06/2025	15:30:02	60.3	80.8	39.3
07/06/2025	15:45:01	58.8	75.2	41.1
07/06/2025	16:00:01	58.2	75.4	41.6
07/06/2025	16:15:01	57.8	74.3	40.3
07/06/2025	16:30:02	60.5	75.2	40.2
07/06/2025	16:45:01	60	74.6	42.8
07/06/2025	17:00:01	60.1	77.2	47.3
07/06/2025	17:15:01	59.8	77.4	43.7
07/06/2025	17:30:02	60.7	78.1	42.2
07/06/2025	17:45:01	63.5	81.3	53.3
07/06/2025	18:00:01	62.2	82.2	49.7
07/06/2025	18:15:01	57.9	80.1	42.8
07/06/2025	18:30:02	58.9	78.8	44.9
07/06/2025	18:45:01	60.9	80.1	40.7
07/06/2025	19:00:01	60.4	79.8	40.3
07/06/2025	19:15:02	59.8	78.4	39
07/06/2025	19:30:01	57.6	82.6	37.2
07/06/2025	19:45:01	60.3	78.2	37.7
07/06/2025	20:00:01	57.4	79.6	36.6
07/06/2025	20:15:01	58.4	75.9	36.5
07/06/2025	20:30:01	51.1	70.1	36.2
07/06/2025	20:45:01	57.4	79.6	38.9
07/06/2025	21:00:01	58.3	76.8	35.5
07/06/2025	21:15:01	55.8	72.6	35.4
07/06/2025	21:30:01	57	72.8	34.5



Location 4				
07/06/2025	21:45:01	61.5	81.5	34.9
07/06/2025	22:00:02	57.3	75.1	34.5
07/06/2025	22:15:01	45.4	68.5	35.5
07/06/2025	22:30:01	49.9	67.5	35.4
07/06/2025	22:45:01	46.7	68.2	34
07/06/2025	23:00:01	45.6	64.6	31.9
07/06/2025	23:15:01	48.2	69.6	32
07/06/2025	23:30:01	46.6	67.3	32.1
07/06/2025	23:45:02	43.4	67.3	31.6
08/06/2025	00:00:01	46	68	30.8
08/06/2025	00:15:01	45.9	67.7	31.1
08/06/2025	00:30:01	45.8	68.8	31.4
08/06/2025	00:45:02	46.1	65.2	30.4
08/06/2025	01:00:01	43.1	64.9	29.5
08/06/2025	01:15:01	42	63.5	27.9
08/06/2025	01:30:01	46.5	67.1	31.8
08/06/2025	01:45:02	40.2	61.2	25
08/06/2025	02:00:01	43.4	64.9	24.5
08/06/2025	02:15:01	29.3	46.6	24.6
08/06/2025	02:30:02	30.3	57.8	24.6
08/06/2025	02:45:01	29	41.3	24.9
08/06/2025	03:00:01	29.6	39.7	24.5
08/06/2025	03:15:01	39.7	65.8	22.8
08/06/2025	03:30:02	33.3	55.1	22.6
08/06/2025	03:45:01	30.2	44.5	24.8
08/06/2025	04:00:01	53.4	69.2	36.9
08/06/2025	04:15:01	54.4	69.9	36.9
08/06/2025	04:30:02	48.2	62.4	34.5
08/06/2025	04:45:01	41.5	58.1	32.4
08/06/2025	05:00:01	43.1	59.9	32.4
08/06/2025	05:15:01	46.8	66.7	32.1
08/06/2025	05:30:02	54.1	74.5	35.1
08/06/2025	05:45:01	54.3	74.5	35.4
08/06/2025	06:00:01	56.8	73	35.5
08/06/2025	06:15:01	59.3	75.5	38
08/06/2025	06:30:01	59	73.9	38.6



Location 4				
08/06/2025	06:45:01	60.3	74.9	38.9
08/06/2025	07:00:01	59.8	73.8	38
08/06/2025	07:15:01	59.3	75.6	38
08/06/2025	07:30:01	60.7	77	38.6
08/06/2025	07:45:01	60	77.4	37.6
08/06/2025	08:00:01	57.1	73.5	37.7
08/06/2025	08:15:01	58	75.3	37.6
08/06/2025	08:30:01	60.8	84.4	38.6
08/06/2025	08:45:01	60.1	80.3	37.9
08/06/2025	09:00:01	59.9	75.7	39.2
08/06/2025	09:15:01	58.5	76	40.5
08/06/2025	09:30:01	57.8	75.6	39.3
08/06/2025	09:45:01	60.3	79.5	38.9
08/06/2025	10:00:01	62.6	84	38.5
08/06/2025	10:15:01	59.5	76.6	40
08/06/2025	10:30:01	60.4	77.3	38.9
08/06/2025	10:45:01	60.2	85.5	38.6
08/06/2025	11:00:01	57.4	74.8	38.4
08/06/2025	11:15:01	60.7	83.4	39.5
08/06/2025	11:30:02	60.4	78.7	39.1
08/06/2025	11:45:01	59.1	81.1	39.3
08/06/2025	12:00:01	57.6	75.4	38.6
08/06/2025	12:15:01	56.2	75.4	39.5
08/06/2025	12:30:02	60.2	77.5	39.3
08/06/2025	12:45:01	54.9	69.9	38.1
08/06/2025	13:00:01	58.1	74.9	39.3
08/06/2025	13:15:01	61.7	83.5	38.9
08/06/2025	13:30:02	58.3	78.1	40.1
08/06/2025	13:45:01	58.1	75.5	40.5
08/06/2025	14:00:01	60.1	82.4	41
08/06/2025	14:15:01	59.4	78.1	39.3
08/06/2025	14:30:02	57.4	74.2	41.2
08/06/2025	14:45:01	58.5	78.9	39.5
08/06/2025	15:00:01	58.9	77.4	38.3
08/06/2025	15:15:01	59.5	76.6	39.6
08/06/2025	15:30:02	61.8	83.4	39.6



Location 4				
08/06/2025	15:45:01	58.5	74.4	40.7
08/06/2025	16:00:01	56.3	75.5	39.9
08/06/2025	16:15:01	61.1	88.1	42.1
08/06/2025	16:30:01	61.3	73.4	41.8
08/06/2025	16:45:01	61	79.9	40.2
08/06/2025	17:00:01	58.2	73.9	42.5
08/06/2025	17:15:01	57.6	75.6	41.8
08/06/2025	17:30:02	58.2	73.9	41.3
08/06/2025	17:45:01	65.7	92.2	39.8
08/06/2025	18:00:01	56.7	71.7	40.4
08/06/2025	18:15:01	58	83.7	38.3
08/06/2025	18:30:02	57	73.5	38.9
08/06/2025	18:45:01	56.4	74.8	40.7
08/06/2025	19:00:01	57.4	75.5	39.4
08/06/2025	19:15:01	54.4	74.2	37.7
08/06/2025	19:30:01	57.4	74.3	38.7
08/06/2025	19:45:01	55.5	71.7	36
08/06/2025	20:00:01	57.7	73.9	37.3
08/06/2025	20:15:02	58.9	72.6	38
08/06/2025	20:30:01	57.7	74.5	37.3
08/06/2025	20:45:01	53.7	73.2	34.2
08/06/2025	21:00:01	58.1	77.3	36.4
08/06/2025	21:15:02	57	70.8	34.2
08/06/2025	21:30:01	55.4	73.2	31.3
08/06/2025	21:45:01	56.8	73.7	29.4
08/06/2025	22:00:01	50.5	67.6	30.3
08/06/2025	22:15:02	52.8	71.9	29.6
08/06/2025	22:30:01	42.2	64.1	27.1
08/06/2025	22:45:01	47.5	65.5	28.3
08/06/2025	23:00:01	41.5	63.8	26
08/06/2025	23:15:01	41.1	68	25.6
08/06/2025	23:30:01	38.9	62.1	24.2
08/06/2025	23:45:01	37.7	64	23
09/06/2025	00:00:01	37.7	64	21.3
09/06/2025	00:15:01	28.6	45.7	22.3
09/06/2025	00:30:01	37.3	60.6	25.3



Location 4				
09/06/2025	00:45:01	39.9	63.8	20
09/06/2025	01:00:01	25.3	37.3	20
09/06/2025	01:15:01	29.6	42.2	20.6
09/06/2025	01:30:02	35.5	60.7	20.1
09/06/2025	01:45:01	39.5	65.9	20
09/06/2025	02:00:01	25.4	36.9	20
09/06/2025	02:15:02	26.8	39.6	20
09/06/2025	02:30:01	36.8	61.9	20.2
09/06/2025	02:45:01	23.9	36.8	20
09/06/2025	03:00:01	39.5	62.4	20
09/06/2025	03:15:02	28.6	40.5	20
09/06/2025	03:30:01	27.7	40.7	20
09/06/2025	03:45:01	36.8	61	23.2
09/06/2025	04:00:01	54.4	70	31.7
09/06/2025	04:15:02	52.3	67.1	40.1
09/06/2025	04:30:01	55	74.4	37.6
09/06/2025	04:45:01	55.4	75.5	34.6
09/06/2025	05:00:01	44.8	66.9	34.9
09/06/2025	05:15:02	47	67.3	34.7
09/06/2025	05:30:01	53.8	72.6	36.4
09/06/2025	05:45:01	57.3	72.4	37.8
09/06/2025	06:00:01	56.9	71.1	38.5
09/06/2025	06:15:02	57.7	73.8	39.6
09/06/2025	06:30:01	59	73.8	39.3
09/06/2025	06:45:01	60	74.4	39.2
09/06/2025	07:00:01	59.9	73.2	39.1
09/06/2025	07:15:02	60.1	73.7	38.3
09/06/2025	07:30:01	58.3	71	37.6
09/06/2025	07:45:01	59.6	75.3	38.1
09/06/2025	08:00:02	59.8	73.4	38.8
09/06/2025	08:15:01	58.2	72.9	37.5
09/06/2025	08:30:01	59.7	73.3	36.5
09/06/2025	08:45:01	56.8	72.2	36.9
09/06/2025	09:00:02	58.3	72.8	38.1
09/06/2025	09:15:01	57.2	70	37.4
09/06/2025	09:30:01	59.8	76.8	38.9



Location 4				
09/06/2025	09:45:01	60.2	76.9	36.4
09/06/2025	10:00:02	59.2	77.3	34
09/06/2025	10:15:01	63.3	83.8	38.9
09/06/2025	10:30:02	59.2	76.4	35.8
09/06/2025	10:45:01	60.5	77.5	38.3
09/06/2025	11:00:01	61.1	83.3	36.8
09/06/2025	11:15:01	58	76.5	36
09/06/2025	11:30:01	60.8	82.7	35.3
09/06/2025	11:45:01	60.5	79.7	36.8
09/06/2025	12:00:01	59.2	78.2	36.8
09/06/2025	12:15:01	59.8	78.8	36.9
09/06/2025	12:30:01	63.1	86.2	37.5
09/06/2025	12:45:02	56.5	73.9	37.2
09/06/2025	13:00:01	58.9	76.7	36.4
09/06/2025	13:15:01	60.9	77.7	36.2
09/06/2025	13:30:02	58.1	76.2	37.3
09/06/2025	13:45:01	57.1	75.1	36.5
09/06/2025	14:00:01	59.7	75.3	38.4
09/06/2025	14:15:01	61.4	83.3	38.1
09/06/2025	14:30:01	59.6	78.3	38.5
09/06/2025	14:45:01	58.1	75.8	40.1
09/06/2025	15:00:01	62.2	83.8	40
09/06/2025	15:15:01	57.2	75.3	39.6
09/06/2025	15:30:01	58.1	75.8	38.2



Table C-5: Location 5 – Environmental Sound Survey Data

Location 5				
Date	Time	L _{Aeq, T} (dB)	L _{max, T} (dB)	L _{A90, T} (dB)
04/06/2025	13:15:01	65.5	78.5	51.5
04/06/2025	13:30:01	64.9	78.3	50.3
04/06/2025	13:15:01	65.5	78.5	51.5
04/06/2025	13:30:01	64.9	78.3	50.3
04/06/2025	13:45:01	64.8	76.9	50
04/06/2025	14:00:02	65.5	81	49.8
04/06/2025	14:15:01	64.9	77.5	48
04/06/2025	14:30:01	65.6	75.3	52.6
04/06/2025	14:45:01	66.1	81.2	52.4
04/06/2025	15:00:02	65.2	80.1	50.7
04/06/2025	15:15:01	66.2	79	54
04/06/2025	15:30:02	66	76.6	51.3
04/06/2025	15:45:01	65.7	77.9	51.6
04/06/2025	16:00:01	66.1	75.3	53.7
04/06/2025	16:15:01	66.5	75.9	55.1
04/06/2025	16:30:02	66.3	75.8	54.3
04/06/2025	16:45:01	66.6	77.8	53.5
04/06/2025	17:00:01	66.5	74.8	55.6
04/06/2025	17:15:01	78.3	103	57.6
04/06/2025	17:30:02	66.8	77.1	54.8
04/06/2025	17:45:01	66.7	79.3	54.2
04/06/2025	18:00:01	67.1	84.2	54.7
04/06/2025	18:15:02	66.2	74.5	54.4
04/06/2025	18:30:01	65.9	76.6	53
04/06/2025	18:45:01	65.6	76	49.4
04/06/2025	19:00:01	72.7	98.8	48.6
04/06/2025	19:15:02	64.5	76.3	49.9
04/06/2025	19:30:01	65.1	84.4	47.6
04/06/2025	19:45:01	64.3	75	46.7
04/06/2025	20:00:01	63.4	75.6	45.1
04/06/2025	20:15:02	64.6	80.2	49.3
04/06/2025	20:30:01	63	73.6	47.3
04/06/2025	20:45:01	63.5	78	46.2



Location 5				
04/06/2025	21:00:01	64.1	78.3	46.5
04/06/2025	21:15:02	63.8	80.1	44.4
04/06/2025	21:30:01	63.2	79	43.3
04/06/2025	21:45:01	60.9	72.6	38.9
04/06/2025	22:00:01	61.9	75.1	41.7
04/06/2025	22:15:02	61.9	77.1	40.5
04/06/2025	22:30:01	60.3	75.6	38.7
04/06/2025	22:45:01	59	75	34.4
04/06/2025	23:00:02	58.2	77	33.5
04/06/2025	23:15:01	59.5	76.6	34.1
04/06/2025	23:30:01	57.2	73.9	27.5
04/06/2025	23:45:01	58.7	76.6	29.6
05/06/2025	00:00:01	60.6	83.9	32
05/06/2025	00:15:01	57.9	77.2	29.2
05/06/2025	00:30:02	57.9	74.2	31.1
05/06/2025	00:45:01	55	74	25.7
05/06/2025	01:00:01	56.2	74.7	24.9
05/06/2025	01:15:01	53.3	73.2	24.5
05/06/2025	01:30:02	53	74.6	22.5
05/06/2025	01:45:01	53.8	73.7	23.6
05/06/2025	02:00:01	53	85.7	25.7
05/06/2025	02:15:01	56.4	75	28.6
05/06/2025	02:30:01	53	72.4	24.9
05/06/2025	02:45:01	53.7	73.8	24.8
05/06/2025	03:00:01	54.9	73.6	26.9
05/06/2025	03:15:02	57.1	76.7	24.6
05/06/2025	03:30:01	49.5	70.5	22.2
05/06/2025	03:45:01	55	74.4	25.5
05/06/2025	04:00:01	56.5	75.6	34.4
05/06/2025	04:15:02	58.6	75.6	40.9
05/06/2025	04:30:01	57.2	73.6	38.6
05/06/2025	04:45:01	58.8	77.8	39.1
05/06/2025	05:00:02	60	75.8	39.4
05/06/2025	05:15:01	61.9	75.8	43.3
05/06/2025	05:30:01	64.1	78.3	44.1
05/06/2025	05:45:01	64.3	75.4	46.8



Location 5				
05/06/2025	06:00:02	64.4	75.5	46.3
05/06/2025	06:15:01	64.8	76.6	47.9
05/06/2025	06:30:01	66.3	83.9	50.2
05/06/2025	06:45:01	66.9	77.4	54.9
05/06/2025	07:00:02	67.2	78.2	55.5
05/06/2025	07:15:01	68.9	77.2	60.7
05/06/2025	07:30:02	68.8	76.5	59.8
05/06/2025	07:45:01	68.8	76.2	59.2
05/06/2025	08:00:01	68	77.5	57
05/06/2025	08:15:01	68.3	76.4	56.9
05/06/2025	08:30:02	67.9	77	55.4
05/06/2025	08:45:01	67.3	76.5	53.1
05/06/2025	09:00:01	67.4	77.3	52.6
05/06/2025	09:15:01	68.5	77.6	56.8
05/06/2025	09:30:01	67.6	79.5	56.2
05/06/2025	09:45:01	66.8	76.1	51.7
05/06/2025	10:00:01	66.4	76.6	50.8
05/06/2025	10:15:02	67.6	75.7	53
05/06/2025	10:30:01	66.7	76.2	54.1
05/06/2025	10:45:01	66.4	77	54
05/06/2025	11:00:02	67.1	77.1	53.6
05/06/2025	11:15:01	67.3	86.5	51.9
05/06/2025	11:30:00	19.3	26.1	20
05/06/2025	11:45:00	67.6	84.4	55.2
05/06/2025	12:00:01	67.6	86.6	53.9
05/06/2025	12:15:02	67.2	78.8	52.3
05/06/2025	12:30:01	67.4	78.3	54.4
05/06/2025	12:45:01	66.9	82.2	54.2
05/06/2025	13:00:01	66.8	76.5	51.9
05/06/2025	13:15:01	67.1	78.4	51.9
05/06/2025	13:30:01	67.1	78	52.3
05/06/2025	13:45:01	68	81.2	54.2
05/06/2025	14:00:02	66.6	78.6	51.7
05/06/2025	14:15:01	67.2	78.3	52.1
05/06/2025	14:30:01	67.3	77.1	51.5
05/06/2025	14:45:01	67.9	76.7	55.4



Location 5				
05/06/2025	15:00:02	67.7	78.7	53.7
05/06/2025	15:15:01	67.7	75.1	55.4
05/06/2025	15:30:02	67.6	80.5	53.4
05/06/2025	15:45:01	67.8	78.7	55.6
05/06/2025	16:00:01	67.8	81.3	54.1
05/06/2025	16:15:01	68.1	75.5	56.3
05/06/2025	16:30:01	68.7	75.5	58.6
05/06/2025	16:45:01	68.8	76.3	57.5
05/06/2025	17:00:01	68.3	75.7	57.7
05/06/2025	17:15:02	69.2	76.7	57.6
05/06/2025	17:30:01	68.8	75.8	57.7
05/06/2025	17:45:01	68.5	77.1	58.2
05/06/2025	18:00:01	68.1	79.1	53.3
05/06/2025	18:15:02	67.6	78.2	51.8
05/06/2025	18:30:01	67.1	76.7	51.4
05/06/2025	18:45:01	66.8	75.8	51.6
05/06/2025	19:00:01	66.8	75.7	52.1
05/06/2025	19:15:02	66	76.5	50.3
05/06/2025	19:30:01	66.2	79.2	49.1
05/06/2025	19:45:01	65.8	76.4	49.6
05/06/2025	20:00:01	64.9	77.3	46.6
05/06/2025	20:15:02	65.2	75.2	45.9
05/06/2025	20:30:01	65.8	79.6	50
05/06/2025	20:45:01	64.5	76.2	48.9
05/06/2025	21:00:02	64.4	78.8	46.7
05/06/2025	21:15:01	63.4	75.1	45.7
05/06/2025	21:30:01	64.7	77.2	42.7
05/06/2025	21:45:01	64.4	77.1	45.7
05/06/2025	22:00:02	63	77.4	40.4
05/06/2025	22:15:01	63.2	76.7	41.1
05/06/2025	22:30:01	62.5	75.7	36.9
05/06/2025	22:45:01	62.2	75.9	36.4
05/06/2025	23:00:01	61.5	85	32.6
05/06/2025	23:15:01	61.1	75.6	33.1
05/06/2025	23:30:01	61	77.3	31.2
05/06/2025	23:45:01	57.9	74.5	28.2



Location 5				
06/06/2025	00:00:01	60.9	78.4	31.7
06/06/2025	00:15:01	58.4	76.6	28.7
06/06/2025	00:30:01	59.9	76.5	30.2
06/06/2025	00:45:01	60	78.3	27.9
06/06/2025	01:00:01	58.4	75.4	26.8
06/06/2025	01:15:02	56.9	75.8	24.2
06/06/2025	01:30:01	53.9	77.4	22.6
06/06/2025	01:45:01	54.7	71.8	24.6
06/06/2025	02:00:02	57.2	79.3	25.2
06/06/2025	02:15:01	58	77.9	24.4
06/06/2025	02:30:01	56.7	76.9	25.6
06/06/2025	02:45:01	55.2	74.6	25.4
06/06/2025	03:00:02	53.5	73.4	23.1
06/06/2025	03:15:01	57.2	76.1	24.8
06/06/2025	03:30:02	57.7	74.7	27.1
06/06/2025	03:45:01	59.4	78	31.2
06/06/2025	04:00:01	57.8	76.2	36.6
06/06/2025	04:15:01	61.1	79.9	42.4
06/06/2025	04:30:02	61.2	79.4	40.8
06/06/2025	04:45:01	61.4	78.8	41.2
06/06/2025	05:00:01	61.7	75.8	38.7
06/06/2025	05:15:02	63	77.8	43.5
06/06/2025	05:30:01	63.9	76.7	44.8
06/06/2025	05:45:01	64.9	78.1	47.8
06/06/2025	06:00:01	66	77.5	48.2
06/06/2025	06:15:02	66.6	78.6	48
06/06/2025	06:30:01	67.2	78.3	51.3
06/06/2025	06:45:01	67.9	77.8	54
06/06/2025	07:00:02	67.8	77.1	54.2
06/06/2025	07:15:01	68.4	76.7	57.6
06/06/2025	07:30:01	67.6	76.5	53.8
06/06/2025	07:45:02	67.7	77.1	54.8
06/06/2025	08:00:01	67.8	75	55.4
06/06/2025	08:15:01	67.8	80.5	56
06/06/2025	08:30:01	67.5	76.3	54.8
06/06/2025	08:45:02	67.9	78.1	53.1



Location 5				
06/06/2025	09:00:01	67.4	77.8	54.7
06/06/2025	09:15:01	67.2	82.3	56.5
06/06/2025	09:30:02	67.9	80.4	57.1
06/06/2025	09:45:01	67.7	79.6	55.9
06/06/2025	10:00:01	67.1	76.4	52
06/06/2025	10:15:01	67.1	76.9	52.1
06/06/2025	10:30:01	67.6	78.4	53.4
06/06/2025	10:45:01	67.1	77.9	52.2
06/06/2025	11:00:01	67.2	76.7	52
06/06/2025	11:15:02	67.5	77.8	51.5
06/06/2025	11:30:01	67.2	77.6	52
06/06/2025	11:45:01	66.6	78.4	52.2
06/06/2025	12:00:01	66.6	81	55.2
06/06/2025	12:15:02	66.7	77.8	53.6
06/06/2025	12:30:01	66.6	78.8	52.3
06/06/2025	12:45:01	66.3	75.7	53.4
06/06/2025	13:00:01	66	78.1	50.3
06/06/2025	13:15:02	66.7	77.2	52.7
06/06/2025	13:30:01	66.8	80.2	52.7
06/06/2025	13:45:01	66.3	75.9	53.4
06/06/2025	14:00:01	66.6	80.8	51.4
06/06/2025	14:15:01	66.8	77	53.2
06/06/2025	14:30:01	66.8	82.4	53.2
06/06/2025	14:45:01	66.7	76.3	52.7
06/06/2025	15:00:02	66.3	89	52.4
06/06/2025	15:15:01	66.8	77.2	52.5
06/06/2025	15:30:01	66.6	77.7	52.4
06/06/2025	15:45:01	66.3	77.2	55.2
06/06/2025	16:00:01	66.8	78.8	54
06/06/2025	16:15:01	67.1	75.8	55.7
06/06/2025	16:30:02	67.7	78.5	59.1
06/06/2025	16:45:01	67.3	75.9	56.5
06/06/2025	17:00:01	67.2	78.6	56.3
06/06/2025	17:15:01	67.1	74.4	56.8
06/06/2025	17:30:01	67.4	79.4	53.9
06/06/2025	17:45:01	65.4	73.7	51.6



Location 5				
06/06/2025	18:00:01	66.8	75.6	54.5
06/06/2025	18:15:02	67.2	76	55.8
06/06/2025	18:30:01	66.8	74.6	54.6
06/06/2025	18:45:01	66.7	76	53.3
06/06/2025	19:00:01	66.3	75.2	53.2
06/06/2025	19:15:02	65.2	75.7	50.5
06/06/2025	19:30:01	65.1	81	46.4
06/06/2025	19:45:02	65.1	80.3	47.3
06/06/2025	20:00:01	63.4	74.3	47
06/06/2025	20:15:01	63.5	74.5	45.7
06/06/2025	20:30:01	63.5	73.7	44.8
06/06/2025	20:45:02	63.3	75.4	45.3
06/06/2025	21:00:01	62.5	76.5	43.6
06/06/2025	21:15:02	62.7	76	43.9
06/06/2025	21:30:01	62.7	74.8	43.8
06/06/2025	21:45:01	62.2	75.2	41.5
06/06/2025	22:00:01	61.6	75.6	36.2
06/06/2025	22:15:01	62.5	76.2	39.7
06/06/2025	22:30:01	60.9	76.4	40.3
06/06/2025	22:45:01	60.1	73.9	37.3
06/06/2025	23:00:02	60	77	34.9
06/06/2025	23:15:01	60.4	74.7	35.1
06/06/2025	23:30:02	58.9	77.2	33.1
06/06/2025	23:45:01	58.3	74	33.4
07/06/2025	00:00:01	60.3	75.2	33.6
07/06/2025	00:15:01	57.9	73.9	35.3
07/06/2025	00:30:02	59.5	75.1	35.8
07/06/2025	00:45:01	57.2	71.2	35
07/06/2025	01:00:01	56.2	71.7	33.6
07/06/2025	01:15:01	57.4	73.2	48.9
07/06/2025	01:30:02	59.2	76.3	50.3
07/06/2025	01:45:01	59	74.9	51.9
07/06/2025	02:00:01	60	83.6	50.7
07/06/2025	02:15:01	55.3	73.6	45.5
07/06/2025	02:30:02	54.9	81.2	42.5
07/06/2025	02:45:01	56.6	77.1	41.9



Location 5				
07/06/2025	03:00:01	56.2	82.8	40.1
07/06/2025	03:15:01	55.6	75.8	39.9
07/06/2025	03:30:01	56.7	74	39
07/06/2025	03:45:01	54.6	76.9	41.8
07/06/2025	04:00:01	58.2	79.7	45.3
07/06/2025	04:15:02	58.1	81.3	45.2
07/06/2025	04:30:01	59.5	81.8	45.6
07/06/2025	04:45:01	57.9	76.5	43.9
07/06/2025	05:00:01	58.8	76.5	42.9
07/06/2025	05:15:01	60.9	76.4	42.9
07/06/2025	05:30:01	61.1	81.3	41.9
07/06/2025	05:45:01	62.9	78.8	41.8
07/06/2025	06:00:02	62.2	77.6	40.4
07/06/2025	06:15:01	63.7	78	44
07/06/2025	06:30:01	64	76.9	43.6
07/06/2025	06:45:01	64.4	76.8	45.2
07/06/2025	07:00:02	64	79.8	45.7
07/06/2025	07:15:01	69.2	95.2	47.5
07/06/2025	07:30:01	65.7	82.1	46.9
07/06/2025	07:45:02	65.9	76.7	47.7
07/06/2025	08:00:01	66.4	89.4	46.8
07/06/2025	08:15:01	67.1	76.7	51.9
07/06/2025	08:30:01	66.8	76	51.7
07/06/2025	08:45:01	66.9	79.7	51.7
07/06/2025	09:00:01	67.5	77.7	52.2
07/06/2025	09:15:01	67.1	80.2	52.9
07/06/2025	09:30:02	66.8	76.5	51.6
07/06/2025	09:45:01	67.3	76	50.8
07/06/2025	10:00:01	67.7	76.9	54.4
07/06/2025	10:15:01	67.5	77	52.5
07/06/2025	10:30:02	67.5	79.4	53
07/06/2025	10:45:01	67.5	76.5	51.7
07/06/2025	11:00:01	67.1	77.5	53.3
07/06/2025	11:15:02	66.8	80.6	51.4
07/06/2025	11:30:01	67.2	83.6	50.4
07/06/2025	11:45:01	66.2	83.3	53.9



Location 5				
07/06/2025	12:00:01	66.9	90.2	54.7
07/06/2025	12:15:01	66.8	75.2	55.6
07/06/2025	12:30:01	66.7	76.8	54.8
07/06/2025	12:45:01	66.9	76.6	54.6
07/06/2025	13:00:01	66.9	82	53.9
07/06/2025	13:15:01	66.5	85.6	50.8
07/06/2025	13:30:01	66.2	77.8	53.9
07/06/2025	13:45:02	66.2	75.1	53.7
07/06/2025	14:00:01	66.7	80.9	52.8
07/06/2025	14:15:01	67.2	79.2	52.6
07/06/2025	14:30:01	66.9	76.3	54.7
07/06/2025	14:45:02	66.4	75.3	52.7
07/06/2025	15:00:01	67	93	52.2
07/06/2025	15:15:02	66	77.7	51.3
07/06/2025	15:30:01	67.2	91.6	52.6
07/06/2025	15:45:01	66.7	76.8	54.5
07/06/2025	16:00:01	66.6	89.3	53
07/06/2025	16:15:02	65.8	75.5	50.7
07/06/2025	16:30:01	67.2	76.7	52.4
07/06/2025	16:45:01	67.9	76.6	57.1
07/06/2025	17:00:01	67.8	81.9	57
07/06/2025	17:15:01	67.8	83	55.4
07/06/2025	17:30:01	67.6	82.6	53
07/06/2025	17:45:01	68.8	87.7	58.8
07/06/2025	18:00:02	67.6	88.3	56.9
07/06/2025	18:15:01	67.3	84.2	53.1
07/06/2025	18:30:01	67.3	84	53.8
07/06/2025	18:45:01	67.1	78.1	50.6
07/06/2025	19:00:02	67	82.5	50.2
07/06/2025	19:15:01	66.2	81.5	50.9
07/06/2025	19:30:01	66.2	76.4	48.4
07/06/2025	19:45:01	66.1	76.1	47.3
07/06/2025	20:00:01	64.9	76	45.8
07/06/2025	20:15:01	64.1	76.8	44
07/06/2025	20:30:01	64.6	76.4	43.9
07/06/2025	20:45:02	65.1	75.8	47.6



Location 5				
07/06/2025	21:00:01	64.4	76.1	41.8
07/06/2025	21:15:01	64.8	74.9	44.6
07/06/2025	21:30:01	63.1	76.1	38.4
07/06/2025	21:45:02	64.2	78.7	40.1
07/06/2025	22:00:01	62.9	76.6	40.7
07/06/2025	22:15:01	63.8	75.5	41.7
07/06/2025	22:30:01	62.2	76.7	38.9
07/06/2025	22:45:01	62.3	75	39.7
07/06/2025	23:00:01	61.9	75.1	39.7
07/06/2025	23:15:02	62.3	78.4	35.8
07/06/2025	23:30:01	60.9	75.8	36.1
07/06/2025	23:45:01	60.9	76.8	33.6
08/06/2025	00:00:01	60.3	75	33.2
08/06/2025	00:15:01	60.7	80	32.5
08/06/2025	00:30:01	59.7	74.5	32.6
08/06/2025	00:45:01	60.1	76.6	33
08/06/2025	01:00:02	57.7	75.6	29.8
08/06/2025	01:15:01	57.1	74.8	28.7
08/06/2025	01:30:01	57.8	76.1	28.5
08/06/2025	01:45:01	55	73	26.1
08/06/2025	02:00:02	55.7	73.8	26.6
08/06/2025	02:15:01	51.7	75.3	25.8
08/06/2025	02:30:01	55.2	76.8	25.1
08/06/2025	02:45:02	54.2	76.7	25.8
08/06/2025	03:00:01	53.3	74	24.5
08/06/2025	03:15:01	48.7	74.3	23.9
08/06/2025	03:30:02	52.8	74	24
08/06/2025	03:45:01	53.8	72.7	26.2
08/06/2025	04:00:01	57.8	83.4	33.4
08/06/2025	04:15:01	58.7	76.6	36.4
08/06/2025	04:30:01	58.6	76.8	36.2
08/06/2025	04:45:01	57.6	74	34.6
08/06/2025	05:00:01	58.9	74.8	35.8
08/06/2025	05:15:01	58	75.2	33.5
08/06/2025	05:30:01	60.8	75.1	37.6
08/06/2025	05:45:01	61	75.8	35.7



Location 5				
08/06/2025	06:00:02	62	77.1	37.6
08/06/2025	06:15:01	63	78.1	37.5
08/06/2025	06:30:01	64.1	80.5	42.1
08/06/2025	06:45:01	63.9	78	44.9
08/06/2025	07:00:02	64.5	78.9	44.3
08/06/2025	07:15:01	65	75.9	45.1
08/06/2025	07:30:02	65.7	79.5	47.6
08/06/2025	07:45:01	65.2	77.3	44.4
08/06/2025	08:00:01	67	92	43.7
08/06/2025	08:15:01	65.5	75.5	46.1
08/06/2025	08:30:02	65.9	76.5	48.7
08/06/2025	08:45:01	65.9	75.9	47.7
08/06/2025	09:00:01	66.1	76.3	49.1
08/06/2025	09:15:01	66.7	77.8	52.6
08/06/2025	09:30:02	67.5	87.6	50.4
08/06/2025	09:45:01	66.8	82	53.5
08/06/2025	10:00:01	67.6	91.1	53.7
08/06/2025	10:15:01	66.4	79.6	49.9
08/06/2025	10:30:02	67.2	77.8	53.4
08/06/2025	10:45:01	67.2	80.2	54
08/06/2025	11:00:01	66.9	88.4	53.4
08/06/2025	11:15:01	67.5	83.1	54.9
08/06/2025	11:30:02	68	91.2	54
08/06/2025	11:45:01	67.9	91.3	57.5
08/06/2025	12:00:01	66.8	77.3	54.9
08/06/2025	12:15:01	66.7	84.1	56.9
08/06/2025	12:30:01	66.9	80.1	54.5
08/06/2025	12:45:01	65.9	82.5	51.6
08/06/2025	13:00:01	67.3	91.8	53.8
08/06/2025	13:15:01	67.7	90.9	51.7
08/06/2025	13:30:02	65.9	74.9	51.1
08/06/2025	13:45:01	68.6	92.7	53.2
08/06/2025	14:00:01	66.6	79.8	53.2
08/06/2025	14:15:02	66.5	85.9	53.7
08/06/2025	14:30:01	66.6	85.3	53.6
08/06/2025	14:45:01	66.2	82.3	52.6



Location 5				
08/06/2025	15:00:01	67.4	90.1	51.4
08/06/2025	15:15:01	65.9	80.2	48.7
08/06/2025	15:30:02	73.2	101.4	51.9
08/06/2025	15:45:01	66.2	81.4	53.4
08/06/2025	16:00:01	68.6	94	49.9
08/06/2025	16:15:01	66.4	79.9	53.3
08/06/2025	16:30:01	66	82.3	54
08/06/2025	16:45:01	67.1	86.2	52.6
08/06/2025	17:00:01	66.8	86.7	52.1
08/06/2025	17:15:02	67.6	87.6	53.6
08/06/2025	17:30:01	66.3	76.7	52.6
08/06/2025	17:45:01	66.5	83.9	51.9
08/06/2025	18:00:01	66.3	79.5	52
08/06/2025	18:15:02	63.9	74.7	48.3
08/06/2025	18:30:01	64.6	75.1	49
08/06/2025	18:45:01	65.6	77.3	50.1
08/06/2025	19:00:01	65.1	74.6	50.4
08/06/2025	19:15:01	64.1	75.1	46.4
08/06/2025	19:30:01	64.3	76.3	45.9
08/06/2025	19:45:02	64.7	75.8	47.9
08/06/2025	20:00:01	64.1	75	44.8
08/06/2025	20:15:01	64	75	47.2
08/06/2025	20:30:02	64.2	76.9	45.3
08/06/2025	20:45:01	63.2	78.6	43.9
08/06/2025	21:00:01	62.7	74.3	43.6
08/06/2025	21:15:01	61.8	76.6	43.4
08/06/2025	21:30:02	62.2	81	41.7
08/06/2025	21:45:01	61.4	74.2	37.2
08/06/2025	22:00:01	59.5	75.9	33.8
08/06/2025	22:15:02	60.5	76.4	35.3
08/06/2025	22:30:01	59.3	74.4	29.4
08/06/2025	22:45:01	59.8	73.9	36.7
08/06/2025	23:00:02	58.4	74.4	31.9
08/06/2025	23:15:01	58.9	73.1	28.2
08/06/2025	23:30:01	57.2	74.4	26
08/06/2025	23:45:01	56.8	74.4	24.1



Location 5				
09/06/2025	00:00:01	55.2	73.4	22.7
09/06/2025	00:15:01	56.6	73.9	26.7
09/06/2025	00:30:01	57.3	75.2	24.8
09/06/2025	00:45:02	52.6	69.6	21.4
09/06/2025	01:00:01	51	73	20.1
09/06/2025	01:15:01	54.9	75.2	20.1
09/06/2025	01:30:01	55.3	75.8	22.9
09/06/2025	01:45:02	49.5	71.3	20
09/06/2025	02:00:01	54.1	76.2	21.9
09/06/2025	02:15:01	52.1	74.5	20.8
09/06/2025	02:30:01	54.8	74.2	23
09/06/2025	02:45:01	49.4	70.5	20
09/06/2025	03:00:01	48.1	74.2	20
09/06/2025	03:15:01	54.1	75.7	20
09/06/2025	03:30:02	52	73.6	20.3
09/06/2025	03:45:01	55.8	73.1	28.4
09/06/2025	04:00:01	55.1	74.7	36.1
09/06/2025	04:15:01	55.1	71.2	40.2
09/06/2025	04:30:02	59	76.7	40.5
09/06/2025	04:45:01	60.4	73.3	40.4
09/06/2025	05:00:01	61.3	80.2	41.4
09/06/2025	05:15:01	62.5	75.1	41.9
09/06/2025	05:30:02	63.3	74.7	43.6
09/06/2025	05:45:01	63.9	73.5	45.5
09/06/2025	06:00:01	65	75.6	46.5
09/06/2025	06:15:01	65.5	75.8	49.3
09/06/2025	06:30:02	66.3	76	50.8
09/06/2025	06:45:01	66.9	80.2	49.5
09/06/2025	07:00:02	67.3	76.1	54.9
09/06/2025	07:15:01	67.9	79.3	57.5
09/06/2025	07:30:01	66.8	75	54
09/06/2025	07:45:01	67.1	75	54.8
09/06/2025	08:00:02	66.8	77	53.9
09/06/2025	08:15:01	66.7	77.2	54.6
09/06/2025	08:30:01	66.5	85.3	51.9
09/06/2025	08:45:02	66.4	84.5	52.4



Location 5				
09/06/2025	09:00:01	65.7	74.7	49.6
09/06/2025	09:15:01	66.7	79.9	57.9
09/06/2025	09:30:01	66	75	53.5
09/06/2025	09:45:02	66.1	80.4	50.8
09/06/2025	10:00:01	66	80.3	49.1
09/06/2025	10:15:01	66.2	80.6	48.8
09/06/2025	10:30:01	65.1	75.8	49.1
09/06/2025	10:45:02	65.2	77.4	48
09/06/2025	11:00:01	65.4	82.6	46.9
09/06/2025	11:15:01	64.5	75.1	48.7
09/06/2025	11:30:02	65	80.3	46.1
09/06/2025	11:45:01	64.7	76.8	45.9
09/06/2025	12:00:01	64.5	75.6	46.2
09/06/2025	12:15:01	64.5	78	48.9
09/06/2025	12:30:01	64.5	77.3	45.5
09/06/2025	12:45:01	64.9	81.1	46.5
09/06/2025	13:00:01	65.2	77.8	45
09/06/2025	13:15:01	65	76.6	47
09/06/2025	13:30:01	64.1	74.1	45.2
09/06/2025	13:45:01	67.8	100.3	45.4
09/06/2025	14:00:02	64.7	76.5	47.3
09/06/2025	14:15:01	65.1	83.2	44.5
09/06/2025	14:30:01	65.3	77.8	44.3
09/06/2025	14:45:01	64.9	75.5	49
09/06/2025	15:00:01	65.6	81.2	49.7
09/06/2025	15:15:01	65.3	79.9	48.7
09/06/2025	15:30:02	65.7	78.5	52.7
09/06/2025	15:45:01	66.3	79.7	52.3
09/06/2025	16:00:01	66.5	76.7	54
09/06/2025	16:15:01	66.2	78.2	53.6
09/06/2025	16:30:02	66.5	74.8	54.2
09/06/2025	16:45:01	66.4	75.4	54.7
09/06/2025	17:00:01	66.8	74.7	55.8
09/06/2025	17:15:01	67.5	81.5	56.4
09/06/2025	17:30:01	66.4	75.7	54.8
09/06/2025	17:45:01	66.7	77.5	55.3



Location 5				
09/06/2025	18:00:01	66.5	74.4	54.6
09/06/2025	18:15:02	66	75.8	53.2
09/06/2025	18:30:01	65.4	75.3	49.6
09/06/2025	18:45:01	65.2	76.3	49.1
09/06/2025	19:00:01	64.1	74.9	46.7
09/06/2025	19:15:02	63.7	75.3	46.7
09/06/2025	19:30:01	64.1	75.4	47.9
09/06/2025	19:45:01	64.5	82.6	47.5
09/06/2025	20:00:02	62.7	75.1	44.4
09/06/2025	20:15:01	63.3	80.5	45.1
09/06/2025	20:30:01	65.4	91.7	42.7
09/06/2025	20:45:01	61.2	76.1	43
09/06/2025	21:00:02	60.3	73.9	40.9
09/06/2025	21:15:01	62.2	76.1	40
09/06/2025	21:30:01	61.1	75.4	40.1
09/06/2025	21:45:01	60.1	73.4	36.7
09/06/2025	22:00:01	61	75	35.3
09/06/2025	22:15:01	60	76.9	36.7
09/06/2025	22:30:01	59.3	74.5	35.3
09/06/2025	22:45:02	58.5	76.8	34.3
09/06/2025	23:00:01	56.9	75.1	28.5
09/06/2025	23:15:02	57.4	74.7	27.6
09/06/2025	23:30:01	55.8	75.1	26.6
09/06/2025	23:45:01	55.8	74.9	28.7
10/06/2025	00:00:01	55.6	74.3	24.5
10/06/2025	00:15:02	55.1	75.6	25.3
10/06/2025	00:30:01	56.6	76.7	25.2
10/06/2025	00:45:01	55.2	73.9	27
10/06/2025	01:00:01	55.6	74.8	24.4
10/06/2025	01:15:02	51.6	73.1	25.4
10/06/2025	01:30:01	49.7	72.5	27.8
10/06/2025	01:45:01	52.7	73.5	26.3
10/06/2025	02:00:01	50.1	70.4	26.4
10/06/2025	02:15:01	51.2	74.2	27.9
10/06/2025	02:30:01	53.7	72	28.4
10/06/2025	02:45:01	54.1	73.2	26



Location 5				
10/06/2025	03:00:01	51.5	73.4	27.2
10/06/2025	03:15:01	53.2	71.6	26.6
10/06/2025	03:30:02	55.3	74.8	26.9
10/06/2025	03:45:01	54.7	75.3	26.4
10/06/2025	04:00:01	55.6	75.5	31.6
10/06/2025	04:15:02	55.6	73.8	40.9
10/06/2025	04:30:01	57.6	76.3	40.8
10/06/2025	04:45:01	59.9	75.9	41.1
10/06/2025	05:00:01	61.1	75.4	39.9
10/06/2025	05:15:02	63.4	77.8	42.8
10/06/2025	05:30:01	63.1	76.6	43.6
10/06/2025	05:45:01	64.4	76.2	46.8
10/06/2025	06:00:01	64.7	75.6	47.9
10/06/2025	06:15:02	65.7	76.2	49.4
10/06/2025	06:30:01	66.2	85.6	49.1
10/06/2025	06:45:01	66.4	75.5	54.2
10/06/2025	07:00:02	66.8	76.2	56.1
10/06/2025	07:15:01	67.1	75.4	56.3
10/06/2025	07:30:01	66.6	76.3	54.8
10/06/2025	07:45:02	66.5	78.2	54.6
10/06/2025	08:00:01	66.5	76	53.2
10/06/2025	08:15:01	66.6	77.7	55.1
10/06/2025	08:30:02	66	74.3	54.4
10/06/2025	08:45:01	65.7	76.6	54.3
10/06/2025	09:00:01	65.7	77.1	50.8
10/06/2025	09:15:01	66.6	75.2	54.6
10/06/2025	09:30:02	65.8	75.7	49.2
10/06/2025	09:45:01	65.7	82.2	51.2
10/06/2025	10:00:01	65.8	78.9	51.4
10/06/2025	10:15:01	65.7	81	51
10/06/2025	10:30:02	65.5	76.9	50.2
10/06/2025	10:45:01	65.5	77.8	49.3
10/06/2025	11:00:01	65.5	79.7	49.1
10/06/2025	11:15:01	65	79.2	49.3
10/06/2025	11:30:01	65.8	80.1	51.3
10/06/2025	11:45:01	65	74.9	50.3



Location 5				
10/06/2025	12:00:01	65.9	75.3	52
10/06/2025	12:15:02	65.6	77.4	48.6
10/06/2025	12:30:01	65	81	46
10/06/2025	12:45:01	64.9	80.4	48.6
10/06/2025	13:00:01	64.6	78.5	49.7
10/06/2025	13:15:02	65.2	76.8	49.1
10/06/2025	13:30:01	65.4	76.4	52.5
10/06/2025	13:45:01	65.5	76.5	48.5
10/06/2025	14:00:01	66.5	79.9	50.7
10/06/2025	14:15:02	65.7	77.4	53.2
10/06/2025	14:30:01	65.8	76.7	51.2
10/06/2025	14:45:01	65.7	76.8	52.1
10/06/2025	15:00:02	66.1	76.8	51
10/06/2025	15:15:01	65.7	76.2	52.4
10/06/2025	15:30:01	66.2	76.3	48.6
10/06/2025	15:45:02	66.2	75.8	49.9
10/06/2025	16:00:01	65.9	76.4	53.8
10/06/2025	16:15:01	66.5	75.9	55.2
10/06/2025	16:30:01	66.2	76.9	53.8
10/06/2025	16:45:02	66.6	76.8	51.9
10/06/2025	17:00:01	66.6	76.7	54.4
10/06/2025	17:15:01	66.9	77.7	55
10/06/2025	17:30:01	66.6	76.3	56.3
10/06/2025	17:45:02	66.1	75.8	54.3
10/06/2025	18:00:01	66.4	75.6	54.4
10/06/2025	18:15:01	66.4	75.8	53.6
10/06/2025	18:30:02	65.1	73.3	51.8
10/06/2025	18:45:01	65.2	74.9	49.3
10/06/2025	19:00:01	64.9	75	49.8
10/06/2025	19:15:01	64	78.3	45.8
10/06/2025	19:30:02	64.2	74.5	46.2
10/06/2025	19:45:01	63	74.2	44.4
10/06/2025	20:00:02	63.9	81.7	44.3
10/06/2025	20:15:01	63.4	76	45
10/06/2025	20:30:01	62.7	75.9	40.5
10/06/2025	20:45:01	63.1	82.9	41.6



Location 5				
10/06/2025	21:00:02	63.4	81.3	42.9
10/06/2025	21:15:01	61.4	75.1	41.2
10/06/2025	21:30:01	61.7	78.2	39.7
10/06/2025	21:45:01	60.1	72.8	36.6
10/06/2025	22:00:02	60.2	77.1	35.5
10/06/2025	22:15:01	59.5	74.2	33.9
10/06/2025	22:30:01	58.2	74.2	33.9
10/06/2025	22:45:01	59.2	75.6	31.9
10/06/2025	23:00:01	59.4	75.2	33.5
10/06/2025	23:15:01	58	72.6	32
10/06/2025	23:30:02	58.3	75.7	28.1
10/06/2025	23:45:01	56.5	74.9	25.5
11/06/2025	00:00:01	58.5	74.5	29.9
11/06/2025	00:15:01	58.7	80.1	29.5
11/06/2025	00:30:02	57	73.9	26.4
11/06/2025	00:45:01	56.7	72.6	27.7
11/06/2025	01:00:01	54.6	73.3	25.8
11/06/2025	01:15:02	55	71.1	26.6
11/06/2025	01:30:01	53.3	73.2	23.9
11/06/2025	01:45:01	55.5	75.6	23.8
11/06/2025	02:00:01	55.5	72.8	25.4
11/06/2025	02:15:02	53.4	75.9	26.2
11/06/2025	02:30:01	54.2	74.7	26.1
11/06/2025	02:45:01	50.8	73.3	25.6
11/06/2025	03:00:01	50.1	71.9	26.8
11/06/2025	03:15:02	52.7	73.3	27.6
11/06/2025	03:30:01	53.2	73.6	27.5
11/06/2025	03:45:01	56.7	76.2	30.3
11/06/2025	04:00:01	54.7	74	38.1
11/06/2025	04:15:02	54.6	72.6	38.3
11/06/2025	04:30:01	58.2	76.3	37
11/06/2025	04:45:01	59.8	76	38.6
11/06/2025	05:00:01	60.9	76.5	36.9
11/06/2025	05:15:01	61.5	78.4	38.7
11/06/2025	05:30:01	64.5	79.4	44.1
11/06/2025	05:45:01	64	76.1	44.5



Location 5				
11/06/2025	06:00:01	64.8	78.1	42.8
11/06/2025	06:15:01	65.1	76.9	47.5
11/06/2025	06:30:01	66.4	85.2	47.8
11/06/2025	06:45:01	66.1	76.9	49.6
11/06/2025	07:00:02	66.8	78.1	52.6
11/06/2025	07:15:01	67.2	75.8	57
11/06/2025	07:30:02	66.9	78.2	53.2
11/06/2025	07:45:01	66.6	75.5	52
11/06/2025	08:00:01	66	75.2	49.3
11/06/2025	08:15:01	66.2	76.9	55.2
11/06/2025	08:30:02	66.3	81.1	50.8
11/06/2025	08:45:01	65.1	75.6	50.5
11/06/2025	09:00:01	65.5	82.7	51.3
11/06/2025	09:15:01	65.4	73.4	50.5
11/06/2025	09:30:02	65.6	77.4	51.5
11/06/2025	09:45:01	65.2	76.1	50.6
11/06/2025	10:00:01	65.2	80.2	51.6
11/06/2025	10:15:01	64.9	75.3	51.2
11/06/2025	10:30:01	65.3	78.2	50.7
11/06/2025	10:45:01	65.5	76.4	50.4
11/06/2025	11:00:01	64.5	75.8	46.6
11/06/2025	11:15:02	64.6	77.5	46
11/06/2025	11:30:01	64.1	78.6	41.2
11/06/2025	11:45:02	65.4	80	44.5
11/06/2025	12:00:01	65.2	86.8	42
11/06/2025	12:15:01	64.4	82	44.1
11/06/2025	12:30:01	64.6	81.9	46.7
11/06/2025	12:45:02	64.3	75.7	45.1



Table C-6: Location 6 – Environmental Sound Survey Data

Location 6				
Date	Time	L _{Aeq, T} (dB)	L _{max, T} (dB)	L _{A90, T} (dB)
04/06/2025	13:00:01	57.5	75.7	43.8
04/06/2025	13:15:02	56.5	78.4	44.6
04/06/2025	13:30:01	59.4	80	43.4
04/06/2025	13:45:01	55	75.4	44
04/06/2025	14:00:01	59.8	81.8	42.2
04/06/2025	14:15:02	54.5	74.3	43.1
04/06/2025	14:30:01	55.3	74.9	43.1
04/06/2025	14:45:01	59.7	80.7	44.5
04/06/2025	15:00:02	58.7	82.7	41.6
04/06/2025	15:15:01	58.8	78.5	44.6
04/06/2025	15:30:01	55.1	74.6	44.2
04/06/2025	15:45:01	57.1	75.4	44.9
04/06/2025	16:00:01	55.5	74.3	45.8
04/06/2025	16:15:01	58.3	75.4	45.9
04/06/2025	16:30:01	57.5	73.9	44.9
04/06/2025	16:45:01	58.2	74.9	45.4
04/06/2025	17:00:01	58.1	75.3	45.3
04/06/2025	17:15:01	57.9	74.9	46.3
04/06/2025	17:30:01	58.5	76.3	44.1
04/06/2025	17:45:01	59	75	45
04/06/2025	18:00:01	56.5	74.3	45.4
04/06/2025	18:15:01	55.7	71.9	44.5
04/06/2025	18:30:01	53.2	71.4	44
04/06/2025	18:45:02	56.8	73.2	42.6
04/06/2025	19:00:01	52.5	71.6	42.3
04/06/2025	19:15:01	51.8	68	41.5
04/06/2025	19:30:02	55	74	39.5
04/06/2025	19:45:01	57.8	74.6	41.2
04/06/2025	20:00:01	55.3	72.5	39.2
04/06/2025	20:15:01	57.1	76.8	41.1
04/06/2025	20:30:02	56.3	73.7	40.1
04/06/2025	20:45:01	54	71	40.6
04/06/2025	21:00:01	55.5	74.1	39.7



Location 6				
04/06/2025	21:15:01	51.6	70.4	37.7
04/06/2025	21:30:02	52.5	74.6	38.3
04/06/2025	21:45:01	53	71	35.2
04/06/2025	22:00:01	45.6	66	36.3
04/06/2025	22:15:02	50.3	70.3	35.9
04/06/2025	22:30:01	45.6	67.9	34
04/06/2025	22:45:01	47.5	70.8	28.2
04/06/2025	23:00:01	38	50.9	28.8
04/06/2025	23:15:01	47.2	69.3	28.3
04/06/2025	23:30:01	37.4	51.5	27.8
04/06/2025	23:45:01	47.2	70.8	28.5
05/06/2025	00:00:01	45	67.4	29
05/06/2025	00:15:02	37	47.5	29.1
05/06/2025	00:30:01	48.2	72.7	28.6
05/06/2025	00:45:01	35.5	52.5	25.1
05/06/2025	01:00:01	35.1	49.6	23.8
05/06/2025	01:15:02	33	48.5	23.3
05/06/2025	01:30:01	32.9	46.6	22.9
05/06/2025	01:45:01	33.5	47.4	23.2
05/06/2025	02:00:01	33.9	45.2	24.2
05/06/2025	02:15:02	36.2	49.6	25.8
05/06/2025	02:30:01	32.9	46.8	23
05/06/2025	02:45:01	34.8	48.9	24
05/06/2025	03:00:02	40.7	60.6	24.9
05/06/2025	03:15:01	35.5	49.2	23.2
05/06/2025	03:30:01	30.7	44.3	21.3
05/06/2025	03:45:02	35.9	53.3	24.4
05/06/2025	04:00:01	47.8	67.3	31.3
05/06/2025	04:15:01	54.9	69.9	38.6
05/06/2025	04:30:01	51.5	68	36.7
05/06/2025	04:45:02	41.9	58.6	34.3
05/06/2025	05:00:01	41.6	53.6	35.5
05/06/2025	05:15:01	43.2	56.4	36.9
05/06/2025	05:30:01	55.9	75.2	40
05/06/2025	05:45:01	54	72.2	40.8
05/06/2025	06:00:01	57	74.5	40.8



Location 6				
05/06/2025	06:15:01	55	73.8	42
05/06/2025	06:30:01	56.1	75.2	42.4
05/06/2025	06:45:01	57.6	75.7	45.7
05/06/2025	07:00:01	57.4	73.5	48.7
05/06/2025	07:15:01	58.3	74	49.7
05/06/2025	07:30:01	57	75.1	49.7
05/06/2025	07:45:01	59.4	73.8	48
05/06/2025	08:00:01	57.6	75	49.5
05/06/2025	08:15:01	59.1	77.1	48.1
05/06/2025	08:30:01	56.8	75.8	45.8
05/06/2025	08:45:01	56.4	72.8	43.4
05/06/2025	09:00:01	57.2	73.2	44.7
05/06/2025	09:15:01	59	75.7	45.8
05/06/2025	09:30:01	58.1	77.9	46.7
05/06/2025	09:45:02	56.4	74	43.2
05/06/2025	10:00:01	57.3	74	44
05/06/2025	10:15:01	57.1	76	45.2
05/06/2025	10:30:02	58	77	45.2
05/06/2025	10:45:02	56.6	74.2	44.3
05/06/2025	11:00:01	55.3	76.5	45.5
05/06/2025	11:15:01	60.2	80.9	47
05/06/2025	11:30:01	57.7	76.2	45
05/06/2025	11:45:02	55	73.1	46.7
05/06/2025	12:00:01	60.4	79.5	45.8
05/06/2025	12:15:01	58.5	75.5	44.8
05/06/2025	12:30:02	59.3	77.2	45.6
05/06/2025	12:45:01	61.2	82.2	44.7
05/06/2025	13:00:01	53.5	71.6	45.2
05/06/2025	13:15:02	59.4	78.2	44.9
05/06/2025	13:30:01	57	78.8	44.5
05/06/2025	13:45:01	60.9	82.6	45.8
05/06/2025	14:00:01	55.8	74.7	44.1
05/06/2025	14:15:02	54.3	76	43.6
05/06/2025	14:30:01	54.8	74.6	43.3
05/06/2025	14:45:01	58.2	75.9	45
05/06/2025	15:00:01	56.3	73.7	45.2



Location 6				
05/06/2025	15:15:02	52.7	68.1	45.2
05/06/2025	15:30:01	51.7	71.2	44.6
05/06/2025	15:45:01	57.2	78.9	45.5
05/06/2025	16:00:01	55.2	74.4	44.7
05/06/2025	16:15:02	55.5	73.5	45.4
05/06/2025	16:30:01	57.8	77.8	46.1
05/06/2025	16:45:01	55.5	71.9	45.7
05/06/2025	17:00:01	56.3	72.9	44.6
05/06/2025	17:15:02	58.2	75.2	45.7
05/06/2025	17:30:01	57.2	73.3	44.7
05/06/2025	17:45:01	57.8	73.6	44.8
05/06/2025	18:00:01	57.2	73.7	44.7
05/06/2025	18:15:02	57.3	76.5	44.5
05/06/2025	18:30:01	56.6	72.3	44.1
05/06/2025	18:45:01	58.6	73.9	43.3
05/06/2025	19:00:02	54.6	71.8	42.6
05/06/2025	19:15:01	56.1	72.7	42
05/06/2025	19:30:01	55.9	70.4	41.9
05/06/2025	19:45:01	57.8	72.8	41.7
05/06/2025	20:00:02	55.4	72.9	39.7
05/06/2025	20:15:01	56.5	74.4	40
05/06/2025	20:30:01	57.2	71.9	43.2
05/06/2025	20:45:01	56.8	75.7	42.6
05/06/2025	21:00:01	48.6	66.2	40.9
05/06/2025	21:15:01	54.6	71.5	39.8
05/06/2025	21:30:01	61.5	80.3	37.4
05/06/2025	21:45:01	55.4	73.5	37.5
05/06/2025	22:00:02	51.5	69.8	36.2
05/06/2025	22:15:01	54.2	72.2	36.6
05/06/2025	22:30:01	53.8	73.5	33
05/06/2025	22:45:02	48.3	71.4	32.7
05/06/2025	23:00:01	41.2	65.5	31.1
05/06/2025	23:15:01	38.1	47.7	28.2
05/06/2025	23:30:01	38.2	47.2	28.8
05/06/2025	23:45:02	47	70.8	26.1
06/06/2025	00:00:01	39.2	49	31.7



Location 6				
06/06/2025	00:15:01	35.5	46.6	28.2
06/06/2025	00:30:01	47.4	71.9	28.9
06/06/2025	00:45:02	36.6	46	26.6
06/06/2025	01:00:01	36.3	46.8	24.6
06/06/2025	01:15:01	36.1	51.4	23.8
06/06/2025	01:30:01	32.5	48.2	22
06/06/2025	01:45:02	32.8	48.7	23.7
06/06/2025	02:00:01	34	45.5	23.7
06/06/2025	02:15:01	36.7	49.8	23.2
06/06/2025	02:30:02	33.8	49.1	24.6
06/06/2025	02:45:01	34.8	47.7	24
06/06/2025	03:00:01	31.8	47	22.9
06/06/2025	03:15:01	36	48.1	23.6
06/06/2025	03:30:02	36.9	49.4	27.2
06/06/2025	03:45:01	38.6	48.2	27.8
06/06/2025	04:00:01	41.2	53.4	34.5
06/06/2025	04:15:01	41.9	53.5	37.1
06/06/2025	04:30:02	41.3	53.1	34.4
06/06/2025	04:45:01	41.5	62.2	34.3
06/06/2025	05:00:01	42.4	53.2	35.2
06/06/2025	05:15:02	48.1	65.7	38.2
06/06/2025	05:30:01	51.6	69.4	40.8
06/06/2025	05:45:01	53.9	70.1	42.3
06/06/2025	06:00:01	57.8	73.1	42.2
06/06/2025	06:15:02	56.2	71.7	42.5
06/06/2025	06:30:01	58.9	74.4	43.3
06/06/2025	06:45:01	57.4	74.1	44.2
06/06/2025	07:00:01	58	73.2	43.9
06/06/2025	07:15:02	57.7	74.6	44.4
06/06/2025	07:30:01	56.2	72.5	44.6
06/06/2025	07:45:01	58.5	75.8	44.8
06/06/2025	08:00:01	57.1	72.5	44.8
06/06/2025	08:15:02	57.6	75.7	45.2
06/06/2025	08:30:01	56.3	72.9	43.5
06/06/2025	08:45:01	58.1	76.4	45.5
06/06/2025	09:00:01	58	75	47.1



Location 6				
06/06/2025	09:15:02	58.8	78.4	49.7
06/06/2025	09:30:01	58.9	78	45.3
06/06/2025	09:45:01	57.6	74.9	45.3
06/06/2025	10:00:01	56.7	73.8	43
06/06/2025	10:15:02	54.3	72.9	45
06/06/2025	10:30:01	60.4	78.2	45.2
06/06/2025	10:45:01	56.8	76.7	45.2
06/06/2025	11:00:01	59.9	79.6	42.8
06/06/2025	11:15:01	60.9	86.5	44.6
06/06/2025	11:30:01	60.8	79.7	45.2
06/06/2025	11:45:01	58.6	81.5	46.7
06/06/2025	12:00:01	58.6	80.1	45.1
06/06/2025	12:15:01	57.4	74.4	45.1
06/06/2025	12:30:01	59.7	76.8	44.8
06/06/2025	12:45:02	56.3	72.5	45.3
06/06/2025	13:00:01	57.9	75.4	44.1
06/06/2025	13:15:01	60.1	78.9	45.3
06/06/2025	13:30:01	59.8	79.7	43.8
06/06/2025	13:45:02	57	71.8	44.5
06/06/2025	14:00:01	59.5	81.6	44.8
06/06/2025	14:15:01	57.3	76.4	44.6
06/06/2025	14:30:01	60.3	83.3	44.8
06/06/2025	14:45:01	57.2	76.5	43.7
06/06/2025	15:00:01	58.3	76.5	44.1
06/06/2025	15:15:01	57.8	75.8	45.8
06/06/2025	15:30:02	55.5	75.9	45.6
06/06/2025	15:45:01	57.3	76.1	46.1
06/06/2025	16:00:01	60	87.6	44.7
06/06/2025	16:15:01	57.3	77.5	45.8
06/06/2025	16:30:01	56.4	72.3	47
06/06/2025	16:45:01	57.8	74.2	46.6
06/06/2025	17:00:01	57.7	76.4	45.1
06/06/2025	17:15:01	57.5	74	45.1
06/06/2025	17:30:02	59.1	76.6	45.2
06/06/2025	17:45:01	57.9	76.2	43.4
06/06/2025	18:00:01	56.7	75.9	44.4



Location 6				
06/06/2025	18:15:02	59.2	75	44.5
06/06/2025	18:30:01	56.8	74.2	45.1
06/06/2025	18:45:01	56.8	72.2	44.8
06/06/2025	19:00:01	56.7	75	45.4
06/06/2025	19:15:02	55.9	72.2	43.2
06/06/2025	19:30:01	55.8	74	41
06/06/2025	19:45:01	58.2	73.5	41.9
06/06/2025	20:00:01	51.2	68.2	39.8
06/06/2025	20:15:02	54	74.1	39.1
06/06/2025	20:30:01	57.9	75	40.2
06/06/2025	20:45:01	55.2	73.2	40.5
06/06/2025	21:00:01	55.5	72.1	41.7
06/06/2025	21:15:01	56.4	72.7	38.4
06/06/2025	21:30:01	53.5	73	35.9
06/06/2025	21:45:01	48.6	70	36.2
06/06/2025	22:00:01	49.4	73.6	32.3
06/06/2025	22:15:01	56.8	76.7	35
06/06/2025	22:30:01	46.7	65.8	34.4
06/06/2025	22:45:01	49.4	73.2	31.8
06/06/2025	23:00:01	42.6	58.1	32.1
06/06/2025	23:15:01	38	46.7	30.8
06/06/2025	23:30:01	37.2	48.4	27.4
06/06/2025	23:45:01	46.2	70.3	28.6
07/06/2025	00:00:02	54.6	71.8	30.9
07/06/2025	00:15:01	37.9	47.5	32.2
07/06/2025	00:30:01	48.4	72.8	31.7
07/06/2025	00:45:01	36.1	47	29.3
07/06/2025	01:00:02	47.4	67.5	32.2
07/06/2025	01:15:01	49.9	66.8	46.8
07/06/2025	01:30:01	49.4	66.5	46.4
07/06/2025	01:45:01	52	70.2	47.6
07/06/2025	02:00:02	55.7	76.8	43.9
07/06/2025	02:15:01	42.8	65	39.9
07/06/2025	02:30:01	39.2	56.2	36.7
07/06/2025	02:45:02	38.6	55.3	35.2
07/06/2025	03:00:01	37.2	59	33.9



Location 6				
07/06/2025	03:15:01	37	53	32.5
07/06/2025	03:30:01	38.2	57.1	32.6
07/06/2025	03:45:02	41.9	61.8	37.9
07/06/2025	04:00:01	48	67.2	41.8
07/06/2025	04:15:01	51.9	65.9	39.7
07/06/2025	04:30:01	48.5	63.6	39.8
07/06/2025	04:45:01	45.9	64.6	37.4
07/06/2025	05:00:01	40.1	54.2	35.9
07/06/2025	05:15:01	54.8	74.2	36
07/06/2025	05:30:01	49.7	68.1	34.8
07/06/2025	05:45:01	56.9	74.3	35.5
07/06/2025	06:00:01	56	71.8	35
07/06/2025	06:15:01	57.2	70.9	37.7
07/06/2025	06:30:01	57.9	73.6	39.1
07/06/2025	06:45:02	58.4	73.2	39.2
07/06/2025	07:00:01	58.6	73.4	39.3
07/06/2025	07:15:01	60.2	77.1	41.8
07/06/2025	07:30:01	55.9	73.9	41.3
07/06/2025	07:45:01	55	74.4	41
07/06/2025	08:00:01	56.7	76.6	40.5
07/06/2025	08:15:01	58.5	74.8	43.8
07/06/2025	08:30:01	55.3	73.6	43.6
07/06/2025	08:45:02	59.7	76.3	42.5
07/06/2025	09:00:01	55.8	73.2	43
07/06/2025	09:15:01	56	72.6	42.4
07/06/2025	09:30:01	57.8	75	43.8
07/06/2025	09:45:01	59.6	75.6	43.3
07/06/2025	10:00:01	57.8	76.4	44.5
07/06/2025	10:15:02	58.7	76.4	43.7
07/06/2025	10:30:01	61	84.5	44.4
07/06/2025	10:45:01	57.8	77.7	44.8
07/06/2025	11:00:01	59.2	85.1	43.7
07/06/2025	11:15:02	59.4	79.3	42.9
07/06/2025	11:30:01	61.6	84.2	42.5
07/06/2025	11:45:01	56	74	43.7
07/06/2025	12:00:01	53.8	69.7	44.6



Location 6				
07/06/2025	12:15:02	55	72.6	45.2
07/06/2025	12:30:01	53.7	72.3	43.8
07/06/2025	12:45:01	60.2	77.9	43.1
07/06/2025	13:00:01	60.3	84.7	43.2
07/06/2025	13:15:02	57.4	73.7	41.7
07/06/2025	13:30:01	55.8	74	44.1
07/06/2025	13:45:01	56.7	74.3	43.4
07/06/2025	14:00:01	56.8	75.2	42.5
07/06/2025	14:15:02	62.1	82.8	44.8
07/06/2025	14:30:01	54.7	72.2	44.9
07/06/2025	14:45:01	54.4	73.6	45.3
07/06/2025	15:00:01	55.9	74.1	44.5
07/06/2025	15:15:02	60.1	81.1	44.7
07/06/2025	15:30:01	60.2	80	44.8
07/06/2025	15:45:01	58.3	73.4	46.6
07/06/2025	16:00:01	56.2	76.1	44.8
07/06/2025	16:15:02	55.5	73.3	44.8
07/06/2025	16:30:01	59	74.4	44.7
07/06/2025	16:45:01	59.4	74.8	46.5
07/06/2025	17:00:01	60.4	79.2	50
07/06/2025	17:15:01	57.1	75.6	46.7
07/06/2025	17:30:01	58.7	77.9	43.9
07/06/2025	17:45:01	64.1	79.6	54
07/06/2025	18:00:01	59.5	75.7	50.7
07/06/2025	18:15:01	55.9	72.5	45
07/06/2025	18:30:01	54.7	77.5	46.3
07/06/2025	18:45:01	59.5	75.9	42.1
07/06/2025	19:00:01	57.9	74.7	41
07/06/2025	19:15:01	58.5	74.3	40.6
07/06/2025	19:30:01	56.4	72.6	40.9
07/06/2025	19:45:01	58.7	74.8	41.4
07/06/2025	20:00:01	55.1	74.8	40.1
07/06/2025	20:15:01	56.8	75.7	40.4
07/06/2025	20:30:01	47	65.3	38.9
07/06/2025	20:45:02	52.6	73.1	42.9
07/06/2025	21:00:01	58.4	78.2	38.1



Location 6				
07/06/2025	21:15:01	55.4	71.5	40
07/06/2025	21:30:01	54.5	72.3	37.9
07/06/2025	21:45:02	61.6	80.5	37.9
07/06/2025	22:00:01	54.3	72.9	37.6
07/06/2025	22:15:01	43.1	51.3	38.6
07/06/2025	22:30:01	42	49.4	37.9
07/06/2025	22:45:01	42	49	37.5
07/06/2025	23:00:01	41.8	49.4	37.1
07/06/2025	23:15:01	41.3	51.4	36.3
07/06/2025	23:30:01	39.5	46.4	34.3
07/06/2025	23:45:01	40.1	49.6	34.3
08/06/2025	00:00:01	39.1	47.1	33.5
08/06/2025	00:15:01	42.4	61.1	32.8
08/06/2025	00:30:01	39.9	54	33.2
08/06/2025	00:45:02	39.3	49.2	32.6
08/06/2025	01:00:01	37.5	48.8	30.8
08/06/2025	01:15:01	36.2	46.1	28.2
08/06/2025	01:30:01	47.8	69.2	30.3
08/06/2025	01:45:02	38.5	58.8	25
08/06/2025	02:00:02	34.8	48.2	26.1
08/06/2025	02:15:01	32.7	45.8	24.1
08/06/2025	02:30:01	33.8	45.8	24.2
08/06/2025	02:45:02	33.2	45.3	24
08/06/2025	03:00:01	33.9	47.8	23.9
08/06/2025	03:15:01	29.1	46.7	22.6
08/06/2025	03:30:01	31.8	46.1	23.2
08/06/2025	03:45:01	35	48	26.2
08/06/2025	04:00:01	42.9	64.3	30.1
08/06/2025	04:15:01	49.7	64	35.3
08/06/2025	04:30:02	41.9	63.6	34.6
08/06/2025	04:45:01	38.8	55.1	31.5
08/06/2025	05:00:01	40.2	52.7	34.4
08/06/2025	05:15:02	38.8	52.3	29.6
08/06/2025	05:30:01	54.5	73	36.3
08/06/2025	05:45:01	55.2	74.7	34.7
08/06/2025	06:00:01	56.6	72.2	37.7



Location 6				
08/06/2025	06:15:02	59.3	79.4	37.7
08/06/2025	06:30:01	58.6	73.6	38.8
08/06/2025	06:45:01	60.1	74.8	40.8
08/06/2025	07:00:01	59.1	74.8	39.3
08/06/2025	07:15:02	58.9	75.1	40.8
08/06/2025	07:30:01	60.2	76.1	41.1
08/06/2025	07:45:01	59.9	78.9	39.7
08/06/2025	08:00:01	56.5	73.1	39.3
08/06/2025	08:15:02	57	76	41.6
08/06/2025	08:30:01	58	75.3	42.4
08/06/2025	08:45:01	59.1	76.3	40.9
08/06/2025	09:00:01	58.7	76.3	43
08/06/2025	09:15:02	58.1	77.7	44.7
08/06/2025	09:30:01	56.6	74.1	43.8
08/06/2025	09:45:01	58.8	78.2	44.9
08/06/2025	10:00:01	62.7	85.3	44
08/06/2025	10:15:01	58.7	77.5	43.2
08/06/2025	10:30:01	59.7	78.4	43.8
08/06/2025	10:45:01	59.8	85.3	43.8
08/06/2025	11:00:01	56.2	78.8	44.5
08/06/2025	11:15:01	61.2	86.2	44
08/06/2025	11:30:01	60	79.9	44.5
08/06/2025	11:45:02	57	74	44.9
08/06/2025	12:00:01	53.4	74	43.7
08/06/2025	12:15:01	54.4	74.6	43.7
08/06/2025	12:30:01	58.5	77.5	43.9
08/06/2025	12:45:02	53.5	73.3	42.7
08/06/2025	13:00:01	57	73.2	43.4
08/06/2025	13:15:01	61.1	81.6	42.9
08/06/2025	13:30:02	56.8	73.6	43.1
08/06/2025	13:45:01	57.8	74.6	44.3
08/06/2025	14:00:01	58.4	80.9	43.5
08/06/2025	14:15:01	58.1	77.1	42.6
08/06/2025	14:30:02	56.6	76.4	44.9
08/06/2025	14:45:01	58	80.7	43.9
08/06/2025	15:00:01	57.1	75	42.9



Location 6				
08/06/2025	15:15:01	57.8	76	42.7
08/06/2025	15:30:02	61.2	81.3	43.8
08/06/2025	15:45:01	54	70.1	44.1
08/06/2025	16:00:01	55.4	72.6	42.6
08/06/2025	16:15:01	55.7	73.1	45.4
08/06/2025	16:30:02	57	74.4	44.2
08/06/2025	16:45:01	60.5	83	43.7
08/06/2025	17:00:01	58.2	76.4	45.6
08/06/2025	17:15:01	55.8	73.6	45.6
08/06/2025	17:30:01	55.9	75.4	45.6
08/06/2025	17:45:01	56.8	78.3	44.6
08/06/2025	18:00:01	56.6	73.7	44.7
08/06/2025	18:15:02	53.9	71.1	42.5
08/06/2025	18:30:01	56.2	73.8	43.9
08/06/2025	18:45:01	55.8	71.9	44.3
08/06/2025	19:00:01	56.4	75.5	41.8
08/06/2025	19:15:01	52.8	72.8	41.9
08/06/2025	19:30:01	56.4	72.8	42.4
08/06/2025	19:45:01	54.5	71.1	41
08/06/2025	20:00:02	57.4	73.2	39.8
08/06/2025	20:15:01	57.1	71.4	40.6
08/06/2025	20:30:01	57.1	73.8	39.9
08/06/2025	20:45:01	50.7	66.8	39
08/06/2025	21:00:02	55.8	72.2	38.9
08/06/2025	21:15:01	54.2	72.9	37.6
08/06/2025	21:30:01	54.9	72.7	38
08/06/2025	21:45:01	54.6	71	32.5
08/06/2025	22:00:02	48.8	65.3	30.3
08/06/2025	22:15:01	52.8	72.8	31.3
08/06/2025	22:30:01	38	48.2	28.8
08/06/2025	22:45:01	46.1	64.3	32
08/06/2025	23:00:02	39.7	56.7	27
08/06/2025	23:15:01	37.3	48.5	26.5
08/06/2025	23:30:01	35.3	46.9	25
08/06/2025	23:45:01	34.5	45	23
09/06/2025	00:00:01	33.7	47.7	21.5



Location 6				
09/06/2025	00:15:01	34	43.5	23.4
09/06/2025	00:30:01	34.9	46.8	25.6
09/06/2025	00:45:02	33.2	47.3	20
09/06/2025	01:00:01	29.2	42.7	20
09/06/2025	01:15:01	33.9	48.6	20
09/06/2025	01:30:01	33.4	50	20.4
09/06/2025	01:45:02	30.1	45.8	20
09/06/2025	02:00:01	30.4	46.5	20
09/06/2025	02:15:01	31.1	44	20
09/06/2025	02:30:02	33.6	46.6	21.4
09/06/2025	02:45:01	29	44.5	20
09/06/2025	03:00:01	27.5	45.7	20
09/06/2025	03:15:01	33.1	45.6	20
09/06/2025	03:30:01	32	46	20
09/06/2025	03:45:01	36.1	51.9	23.5
09/06/2025	04:00:01	51.3	67.5	33.3
09/06/2025	04:15:01	54.1	67.8	36.1
09/06/2025	04:30:01	47.5	66.7	36.9
09/06/2025	04:45:01	42.2	52.7	35.1
09/06/2025	05:00:01	42.5	54.8	35.3
09/06/2025	05:15:02	43.1	54.8	35.9
09/06/2025	05:30:01	51.8	73	36
09/06/2025	05:45:01	56.8	71.9	40.3
09/06/2025	06:00:01	55.4	70.6	39.5
09/06/2025	06:15:02	55.5	70	41.1
09/06/2025	06:30:01	56.8	72.9	41.7
09/06/2025	06:45:01	59.3	74.1	42.6
09/06/2025	07:00:01	58	72.6	44.3
09/06/2025	07:15:02	58.5	72.9	43.9
09/06/2025	07:30:01	55.7	69.3	43.4
09/06/2025	07:45:01	57.8	74.2	43.6
09/06/2025	08:00:01	57.8	73.9	42.7
09/06/2025	08:15:02	56.4	74.2	43.1
09/06/2025	08:30:01	56.5	73.1	41.7
09/06/2025	08:45:01	56.8	72.7	41.4
09/06/2025	09:00:01	55.7	71.7	41.2



Location 6				
09/06/2025	09:15:02	54.8	72.9	43.3
09/06/2025	09:30:01	57.6	73	42
09/06/2025	09:45:01	59.1	75.4	42
09/06/2025	10:00:01	59.2	75.4	39.2
09/06/2025	10:15:01	63.4	86.8	42
09/06/2025	10:30:01	57.1	76.2	41.7
09/06/2025	10:45:01	58	74.1	41.6
09/06/2025	11:00:01	59.9	83.3	40.9
09/06/2025	11:15:01	57	78.3	41.1
09/06/2025	11:30:01	59.7	81.7	39.7
09/06/2025	11:45:01	59.5	77.1	41.6
09/06/2025	12:00:01	58	75.4	41.5
09/06/2025	12:15:01	57.6	77.5	41.6
09/06/2025	12:30:01	58.6	79.5	40
09/06/2025	12:45:01	61.1	85	41.2
09/06/2025	13:00:01	56.9	75.2	40.8
09/06/2025	13:15:01	58.3	77.8	39.4
09/06/2025	13:30:02	56	75.2	40.7
09/06/2025	13:45:01	56.7	75.1	41.4
09/06/2025	14:00:01	56	77.3	42
09/06/2025	14:15:01	61.1	86.1	43.5
09/06/2025	14:30:02	58.4	77.4	42.2
09/06/2025	14:45:01	56.5	75.1	43.1
09/06/2025	15:00:01	61.9	82.4	43.6
09/06/2025	15:15:01	56.5	73.6	42.1
09/06/2025	15:30:02	55.6	73.9	43
09/06/2025	15:45:01	62.2	83.3	43.7
09/06/2025	16:00:01	53.1	70.7	44.7
09/06/2025	16:15:01	56.8	75.6	44.3
09/06/2025	16:30:02	56.3	73.5	45.2
09/06/2025	16:45:01	58.2	74.1	45.3
09/06/2025	17:00:01	59.3	76.2	44.1
09/06/2025	17:15:01	57.1	76.6	45.3
09/06/2025	17:30:02	57.8	74.6	44.2
09/06/2025	17:45:01	59.2	74	44.6
09/06/2025	18:00:01	56	77.8	44.3



Location 6				
09/06/2025	18:15:02	57.5	75.8	44.3
09/06/2025	18:30:01	56.1	73.9	42.9
09/06/2025	18:45:01	55.1	72.6	42.5
09/06/2025	19:00:01	54	71.2	41.1
09/06/2025	19:15:01	53.6	74.4	41.6
09/06/2025	19:30:01	52.7	71.6	40.7
09/06/2025	19:45:01	54.3	72	40.1
09/06/2025	20:00:01	54	73.7	38.9
09/06/2025	20:15:01	58	74.6	40.5
09/06/2025	20:30:01	54.1	71.8	38.6
09/06/2025	20:45:01	54	71.9	38.2
09/06/2025	21:00:02	49.2	68.5	36
09/06/2025	21:15:01	56.4	73.8	36.5
09/06/2025	21:30:01	51.8	72.4	34.9
09/06/2025	21:45:01	45.7	68.7	33.1
09/06/2025	22:00:02	57	74	34.3
09/06/2025	22:15:01	48	68.2	33.3
09/06/2025	22:30:01	48.6	66.5	30.8
09/06/2025	22:45:01	48.7	72.2	29.8
09/06/2025	23:00:02	46	66.2	27.8
09/06/2025	23:15:01	36.5	49.7	26.9
09/06/2025	23:30:01	44.9	69	26
09/06/2025	23:45:02	46.5	70.1	26.3
10/06/2025	00:00:01	34	46.9	24
10/06/2025	00:15:01	34.1	44.8	25.1
10/06/2025	00:30:01	46.6	70.4	24.2
10/06/2025	00:45:02	46.8	70.1	26.9
10/06/2025	01:00:01	34.7	50.1	24
10/06/2025	01:15:01	32.3	46.6	24.8
10/06/2025	01:30:01	31.3	44.3	26.3
10/06/2025	01:45:02	34	51	24.7
10/06/2025	02:00:01	32.6	48.2	24.1
10/06/2025	02:15:01	33.9	52.5	25.7
10/06/2025	02:30:02	35.8	50.5	27
10/06/2025	02:45:01	36	51.7	24.7
10/06/2025	03:00:01	32.6	46.8	26.3



Location 6				
10/06/2025	03:15:01	34.9	48.3	26
10/06/2025	03:30:02	36.9	49	27
10/06/2025	03:45:01	35.7	49.2	25.9
10/06/2025	04:00:01	43.4	65.7	29.7
10/06/2025	04:15:01	57.7	69.7	41.9
10/06/2025	04:30:02	53.2	70.2	37.4
10/06/2025	04:45:01	44.3	62	36.3
10/06/2025	05:00:01	46.4	70.5	38
10/06/2025	05:15:01	48.7	66.3	39.9
10/06/2025	05:30:01	54.2	72.7	40.7
10/06/2025	05:45:01	50.8	69	41.9
10/06/2025	06:00:01	52.3	69.9	40.9
10/06/2025	06:15:02	52.7	73	43.7
10/06/2025	06:30:01	54	70.9	44.3
10/06/2025	06:45:01	54.9	69.6	45.1
10/06/2025	07:00:01	55.1	71.9	46.7
10/06/2025	07:15:02	56.9	75.3	45.8
10/06/2025	07:30:01	55.5	73.8	46.2
10/06/2025	07:45:01	57.4	74.2	45.5
10/06/2025	08:00:01	54.1	70.9	44.1
10/06/2025	08:15:02	55.2	67.8	46.3
10/06/2025	08:30:01	56.5	74	45.5
10/06/2025	08:45:01	56.5	73.4	45
10/06/2025	09:00:01	56.4	74.3	44.3
10/06/2025	09:15:02	55.1	72.6	45.1
10/06/2025	09:30:01	54.6	71.4	43.6
10/06/2025	09:45:01	56.4	73.5	43.9
10/06/2025	10:00:01	58.4	75.7	42.8
10/06/2025	10:15:02	57.7	75.5	44.2
10/06/2025	10:30:01	55.3	73.8	43.1
10/06/2025	10:45:01	59.2	84.9	43.1
10/06/2025	11:00:02	56.9	81.3	43.4
10/06/2025	11:15:01	55.7	76.5	44.7
10/06/2025	11:30:01	60	85	43
10/06/2025	11:45:01	55.6	75.6	42.3
10/06/2025	12:00:02	57.6	81.1	43.2



Location 6				
10/06/2025	12:15:01	60.4	78.4	41.3
10/06/2025	12:30:01	59.8	85.4	41
10/06/2025	12:45:01	56.3	75	41.6
10/06/2025	13:00:01	54.3	72	41.8
10/06/2025	13:15:01	55.3	77.2	40.9
10/06/2025	13:30:01	56	75.1	42.3
10/06/2025	13:45:01	57	74.2	41.9
10/06/2025	14:00:01	63.2	83.8	41.4
10/06/2025	14:15:01	55.9	72.9	42.9
10/06/2025	14:30:01	56.7	77.7	41.4
10/06/2025	14:45:02	56.3	73.1	42
10/06/2025	15:00:01	56.6	74.4	41.5
10/06/2025	15:15:01	56.9	74.8	41.9
10/06/2025	15:30:01	57.1	74.8	42.2
10/06/2025	15:45:01	57.6	75.5	42.6
10/06/2025	16:00:01	57.6	74.3	42.3
10/06/2025	16:15:01	59.8	84.2	43.2
10/06/2025	16:30:01	57.6	77.1	42.9
10/06/2025	16:45:01	59.5	76	43
10/06/2025	17:00:02	58.3	74.3	42.9
10/06/2025	17:15:01	56.9	76.1	42.8
10/06/2025	17:30:02	56	75.9	43.4
10/06/2025	17:45:01	57	74	41.8
10/06/2025	18:00:01	56.5	75.1	42.1
10/06/2025	18:15:02	58.5	73.5	42.2
10/06/2025	18:30:01	57.3	72	40.4
10/06/2025	18:45:01	54.6	72.3	40.3
10/06/2025	19:00:02	52.3	70.9	39.6
10/06/2025	19:15:01	54.5	71.5	38.5
10/06/2025	19:30:01	55.1	72.5	39.3
10/06/2025	19:45:01	56.5	71.7	39.2
10/06/2025	20:00:02	56	72.3	38.7
10/06/2025	20:15:01	56.3	72	38.9
10/06/2025	20:30:01	55.8	73.7	36.8
10/06/2025	20:45:02	56.3	74.9	36.4
10/06/2025	21:00:01	61.2	82	37.7



Location 6				
10/06/2025	21:15:01	50.9	67.5	36.2
10/06/2025	21:30:01	53.5	74.9	32.9
10/06/2025	21:45:02	51.7	72.5	34.6
10/06/2025	22:00:01	53.8	71.4	31.2
10/06/2025	22:15:01	37.8	49	30.3
10/06/2025	22:30:01	46.7	66.1	29.3
10/06/2025	22:45:02	53	73.8	30.5
10/06/2025	23:00:01	55.1	76.9	31.6
10/06/2025	23:15:01	59.6	74.8	32.1
10/06/2025	23:30:01	58.8	74.2	27.6
10/06/2025	23:45:01	52.7	71.2	25.8
11/06/2025	00:00:01	58.8	74.2	29.6
11/06/2025	00:15:01	58.6	76.3	30
11/06/2025	00:30:01	54	73.8	28.3
11/06/2025	00:45:01	59.3	74.9	29.1
11/06/2025	01:00:01	53.4	73.9	28.3
11/06/2025	01:15:01	56.6	74.3	26.8
11/06/2025	01:30:01	52.7	73.8	24.4
11/06/2025	01:45:01	58.8	75.6	25.8
11/06/2025	02:00:01	58.1	77.8	28.4
11/06/2025	02:15:02	53	75.3	27.9
11/06/2025	02:30:01	34.1	48.3	28.4
11/06/2025	02:45:01	31.5	42.7	26.4
11/06/2025	03:00:01	32.8	46.2	27.2
11/06/2025	03:15:02	54	75.5	27.1
11/06/2025	03:30:01	33.5	48.8	26.8
11/06/2025	03:45:01	52.9	73	31.9
11/06/2025	04:00:01	44.6	60.5	36.7
11/06/2025	04:15:02	52.1	70.6	36.3
11/06/2025	04:30:01	54.1	70.4	36.4
11/06/2025	04:45:01	45.7	64.7	33.8
11/06/2025	05:00:01	48	69.3	35
11/06/2025	05:15:02	47.3	67	36
11/06/2025	05:30:01	57.3	75.2	39.2
11/06/2025	05:45:01	56.1	75.8	38.5
11/06/2025	06:00:02	60.6	78.6	38.7



Location 6				
11/06/2025	06:15:01	58.9	74.5	40.3
11/06/2025	06:30:01	59.8	76.5	40.9
11/06/2025	06:45:01	58.2	74.4	42.1
11/06/2025	07:00:01	56.3	73.4	42.1
11/06/2025	07:15:01	59.9	77.6	43.5
11/06/2025	07:30:01	57.7	75.7	41.5
11/06/2025	07:45:02	59	74.7	41.2
11/06/2025	08:00:01	58.1	74.1	40.8
11/06/2025	08:15:01	56	72.8	40.3
11/06/2025	08:30:01	57.1	72.9	40.8
11/06/2025	08:45:02	58.8	76.2	40.3
11/06/2025	09:00:01	57.8	75.1	40.7
11/06/2025	09:15:01	59.6	75.9	41.9
11/06/2025	09:30:01	57.3	72	40.5
11/06/2025	09:45:02	59.3	81.9	40
11/06/2025	10:00:01	56.2	74.1	40
11/06/2025	10:15:01	59.2	77.6	40.6
11/06/2025	10:30:02	57.4	72.9	42.1
11/06/2025	10:45:01	61.5	75.9	41.4
11/06/2025	11:00:01	60	75.5	40.2
11/06/2025	11:15:01	57.8	73.8	36.8
11/06/2025	11:30:01	57.3	75.3	39.6
11/06/2025	11:45:01	60	76.1	40.4
11/06/2025	12:00:01	60.5	76.2	39.9
11/06/2025	12:15:01	60.8	76.8	41.7
11/06/2025	12:30:01	60.7	77	39.8
11/06/2025	12:45:01	62	81.1	40.2
11/06/2025	13:00:01	61.4	77	41.2





Appendix D Noise Contours for Screening Plant

Noise Impact Assessment

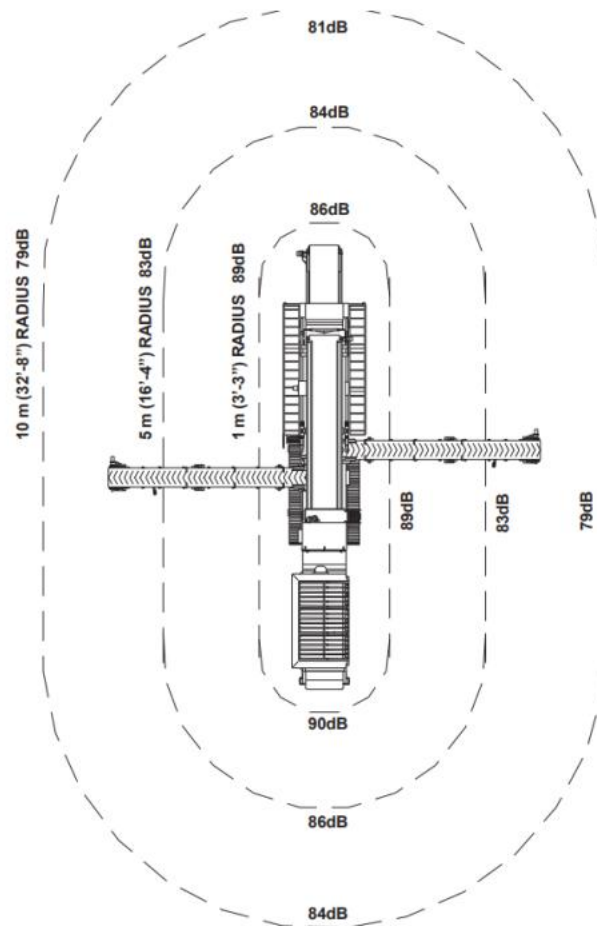
Clockhouse Quarry

SUEZ Recycling and Recovery Uk Ltd

SLR Project No.: 403.065294.00001

06 January 2026

Figure D-1: Warrior 1400x Screener Noise Contours





Making Sustainability Happen