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PROPOSED WOOD PROCESSING FACILITY
LAND AT BERTH 31
PORT OF BARRY

NOISE IMPACT ASSESSMENT

Technical Report: R10025-1 Rev Final

Date: 10th October 2024

For: South West Wood Products Ltd

24 Acoustics Document Control Sheet

Project Title: Proposed Wood Processing Facility, Land at Berth 31, Port of Barry Noise Impact Assessment

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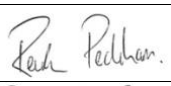
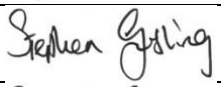
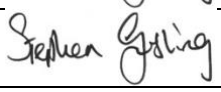
Prepared by	Reuben Peckham BEng MPhil CEng MIOA	Principal Consultant		10/10/24
Checked by	Steve Gosling BEng MIOA	Principal Consultant		10/10/24
Approved by	Steve Gosling BEng MIOA	Principal Consultant		10/10/24
For and on behalf of 24 Acoustics Ltd				

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EXECUTIVE SUMMARY

24 Acoustics Ltd has been retained by South West Wood Products to provide an assessment of the potential impact of noise from their proposed new wood processing facility at Berth 31 on the Port of Barry in Wales.

The assessment has been undertaken following detailed noise surveys at the nearest residential receptors to the site. An acoustic propagation model of the operations has also been developed.

The assessment has concluded that the noise impact associated with the operations will be low at all times at all receptors once the contextual history of the site is taken into account and therefore there are considered no noise grounds for refusal of planning consent for the proposals.

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1.0 INTRODUCTION

1.1 24 Acoustics Ltd has been retained by South West Wood Products to provide an assessment of the potential impact of noise from their proposed new wood processing facility at Berth 31 on the Port of Barry in Wales.

1.2 This report presents the results and findings of the assessment, following noise surveys and observations undertaken on the site in February and March 2024. All noise levels in this report are provided in dB relative to 20 µPa. A glossary of the acoustic terminology used is provided in Appendix A.

2.0 SITE DESCRIPTION AND OPERATION

2.1 Berth 31 is part of the Barry Docks estate. The immediate surroundings are industrial in nature. The nearest existing residential properties are those located south-west of the site on Wilfred Street and Hill Street (a minimum of 230 m). In addition, outline planning consent for housing has been granted on land at the former sidings off Ffordd y Mileniwm (Vale of Glamorgan Council reference 2020/00775/OUT). A reserved matters application has been made but, at the time of writing, is still under consideration.

2.2 Figure 1 shows the proposed development site and receptor locations. Figure 2 shows the proposed site layout.

2.3 The site will operate using the following plant:

- CBI 6400T Shredder;
- McCloskey Screener R230;
- Hyundai HLS 955 Shovel;
- 2*Volvo L110H Shovel;
- Volvo L120 Shovel;
- Volvo EC380 Excavator;
- Volvo EC140 Excavator;
- 2nr New Holland Tractor & Tanker;
- Eddy Current - extract metal from chip;
- Liebherr L40 – material handler (for ship loading);
- Trackstek stacker – conveyor (for ship loading).

2.3 The typical hours of operation proposed at the site are:

- 07.00 – 23.00 Monday to Sunday- site processing works, loading/ unloading of HGVs and loading of ships;
- 23.00- 07:00 Monday to Sunday- ship loading operations only.

3.0 NOISE IMPACT ASSESSMENT CRITERIA

Technical Advice Note (TAN) 11 (Noise)

3.1 TAN 11 [Reference 1] provides advice on how the planning system can be used to minimise the adverse impact of noise without placing unreasonable restrictions on development or adding unduly to the costs and administrative burdens of business. It outlines some of the main considerations which local planning authorities in Wales should take into account in drawing-up development plan policies and when determining planning applications for development which will either generate noise or be exposed to existing noise sources.

3.2 For noise generating developments, the guidance states that local planning authorities must ensure that noise does not cause an unacceptable degree of disturbance. It advises that noise characteristics and levels can vary substantially according to their source and the type of activity involved. In the case of industrial development, for example, the character of the noise should be taken into account as well as its level. Sudden impulses, irregular noise or noise which contains a distinguishable continuous tone requires consideration.

3.3 The guidance states that the likelihood of complaints about noise from industrial development can be assessed, using BS 4142: 1990. This standard has been superceded several times since the publication of TAN 11 and the current version of the standard is BS 4142:2014+A1:2019 [Reference 2].

British Standard 4142:2014+A1:2019

3.4 British Standard 4142:2014+A1:2019 provides a methodology for the assessment of commercial sound at (the exterior of) residential properties. The standard advocates a comparison between the prevailing typical L_{A90} background noise level and the L_{Aeq} source noise level. For rating purposes, if the noise source is tonal, or impulsive, in character, a rating correction of up to 15 dBA is applied. Several methods of determining the rating penalty are described. The standard states that a difference between the rating level and the background level of around +10 dBA is an indication of a 'significant adverse impact', depending on the context and a difference of around +5 dBA is likely to be an indication of an adverse impact again depending on the context. Where the rating level does not exceed the background noise (sound) level, this is an indication of the specific sound source having a low impact (depending upon the context).

4.0 BACKGROUND NOISE SURVEYS

4.1 Long-term unattended noise surveys were undertaken on the site in February and March 2024. Measurements were undertaken at the following locations (as identified in Figure 1):

- Location 1. Junction between Wilfred & Robert Street;
- Location 2. Northern site boundary as close as practicable to the proposed new housing development off Ffordd y Mileniwm.

4.2 The measurements were undertaken in samples of fifteen minutes using Class 1 accuracy Rion NL31 and NL32 sound level meters which were calibrated before and after the surveys using a Bruel and Kjaer Type 4231 acoustic calibrator. No drift in calibration was recorded. The monitor was installed on a tripod at a height of 1.2 m above local grade. A windshield was fitted.

4.3 An environmental weather station was also installed during the long-term noise surveys. A weather vane and anemometer were installed on a pole on the site at a height of 3 m above local grade. This was time-synchronised with the sound level meter and recorded wind speed and direction during the surveys.

4.4 The results of the long-term unattended noise survey undertaken are shown graphically in Appendix C together with the corresponding wind speed and direction data.

4.5 The background noise survey data has been filtered for the following meteorological conditions (to determine the appropriate representative background noise level during daytime operations):

- Average wind speed less than 5 m/s;
- No precipitation.

4.6 The corresponding background noise levels, under the conditions described above, are shown in Tables 2 and 3 below.

Day and Date	**Time of Day and Typical Noise Level**	
	Daytime $L_{A90,\ 1\ hour}$	**Night-time $L_{A90,\ 15\ min}$**
Thursday 15/2/2024	57	33
Friday 16/2/2024	60	48
Saturday 17/2/2024	58	43
Sunday 18/2/2024	52	34
Monday 19/2/2024	57	35
Tuesday 20/2/2024	59	44
Wednesday 21/2/2024	57	38
Thursday 22/2/2024	60	36
Friday 23/2/2024	65	
Representative, weekday	**59**	**37**
Representative, weekend	**52**	**34**

Table 2: Background Noise Levels, Location 1, Wilfred/ Robert Street

Day and Date	Time of Day and Typical Noise Level	
	Daytime $L_{A90,\ 1\ hour}$	Night-time $L_{A90,\ 15\ min}$
Thursday 7/3/2024	47	42
Friday 8/3/2024	48	42
Saturday 9/3/2024	48	42
Sunday 10/3/2024	42	35
Monday 11/3/2024	44	38
Tuesday 12/3/2024	46	32
Wednesday 13/3/2024	47	39
Thursday 14/3/2024	47	34
Friday 15/3/2024	47	36
Saturday 16/3/2024	46	45
Sunday 17/3/2024	44	40
Monday 18/3/2024	54	
Representative, weekday	**47**	**39**
Representative, weekend	**45**	**39**

Table 2: Background Noise Levels, Location 2, Northern Site Boundary

4.7 Please note that shaded areas refer data that has been disregarded due to adverse weather. BS 4124 does not provide an objective means of defining the typical/ representative background noise level. 24 Acoustics uses the average less one standard deviation.

Noise Survey Results- Plant Noise Surveys

4.8 The noise survey data recorded locally around each plant item was used to calculate the sound power level of each individual plant using standard acoustical theory. This data was then used to populate an acoustic propagation model of the plant (described in Section 5 below). The sound power levels of each plant item are provided in full in Appendix D and summarised in Table 3 below.

5.0 SOURCE TERM NOISE DATA

5.1 The plant to be used on the site is listed in Section 2. Table 4 below provides a summary of the derived plant sound power level for each plant item together with the source of the data. The full data (in octave bands) is provided in Appendix D.

Plant	Sound Power Level dB L_{Aw}	Data Source
CBI 6400T Shredder	108	Surveyed by 24A at other SWWP Sites
McCloskey Screener R230	105	Surveyed by 24A at other SWWP Sites
Hyundai HLS 955 Shovel	103	Manufacturer
2*Volvo L110H Shovel	106	Manufacturer
Volvo L120 Shovel	106	Manufacturer
Volvo EC380 Excavator	105	Manufacturer
Volvo EC140 Excavator	100	Manufacturer
2nr New Holland Tractor & Tanker	88/ m	Surveyed by 24A
Eddy Current Separator	101	Surveyed by 24A at ETM Recycling, Bristol
Liebherr L40 – material handler	103	Manufacturer
Trackstek stacker – conveyor	78/ m	Woodchip conveyor surveyed by 24A at Southampton Docks

Table 4: Plant Source Sound Power Levels

6.0 ACOUSTIC PROPOGATION MODEL

6.1 In order to quantify the noise emission from the site and to rank the dominant plant items within the operation an acoustic model of the operations has been developed. This has used the derived plant data reported in Section 4 above. Immi 2017 noise mapping software has been used and this has used the propagation methodology advocated in ISO 9613 [Reference 5] to calculate the noise level from the operations at the residential neighbours. The following propagation assumptions have been used:

- Ambient temperature of 10 degrees C;
- Relative humidity of 70%;
- Soft ground propagation (G=1) on land/ hard ground propagation (G=0) over water.

6.2 The model has assumed a worst-case scenario of all plant operating continuously during a worst-case assessment hour with 19 HGVs each spending 10 minutes on the site.

6.3 At night there will be no processing of materials and the only activity will involve ship loading using a single wheeled loader and the material conveyor.

6.4 Noise contour maps showing the propagation of noise across the site are provided in Figures 3 and 4 for the daytime and night time periods of operation respectively. Table 4 below summarises the noise survey results at each receptor location.

Receptor	Noise Level, dB $L_{Aeq, 1\ hour}$	
	Day, $L_{Aeq, 1\ hour}$	**Night, $L_{Aeq, 15\ min}$**
1. New Housing	46	34
2. Rear Hilary Rise	45	33
3. Wilfred Street	46	35

Table 4: Calculated Operational Noise Levels

7.0 NOISE IMPACT ASSESSMENT

7.1 An assessment was undertaken to determine the level of noise impact from the operations at the proposed development site in accordance with the requirements of BS 4142:2014+A1:2019.

7.2 BS 4142 states that certain acoustic features can increase the significance of impact of that expected from a basic comparison between the specific sound level and the background sound level. Where such features are present at the assessment location a character correction should be applied to the specific sound level to determine the rating level. The rating correction is determined based upon the impulsivity and tonality of the sound noise level. The subjective method described in the standard describes the following rating corrections:

Tonality:	Tone just perceptible at receptor:	+ 2 dBA;
	Tone clearly perceptible at receptor:	+ 4 dBA;
	Tone highly perceptible at receptor:	+ 6 dBA.
Impulsivity:	Impulsivity just perceptible at receptor:	+ 3 dBA;
	Impulsivity clearly perceptible at receptor:	+ 6 dBA;
	Impulsivity highly perceptible at receptor:	+ 9 dBA.

7.3 The standard states that where tonal and impulsive characteristics are present in the specific sound within the same reference period then these two corrections can both be taken into account. If one feature is dominant then it might be appropriate to apply a single correction. Where both features are likely to affect perception and response, the corrections ought normally to be added in a linear fashion. It also states that if intermittency is readily distinctive against the residual acoustic environment, a penalty of 3 dB can be applied.

7.4 Noise from the operations is not considered characteristic or distinctive in nature but does have the potential to be intermittent. Therefore, it is considered that a rating correction of + 3 dB is appropriate. Tables 5- 7 below summarise the BS 4142 noise impact assessment for the weekday, Saturday and Sunday periods of operation at each receptor respectively.

	Noise Level and Periods of Proposed Operation			
	Daytime Hours		**Night time Hours**	
	Weekday	**Weekend**	**Weekday**	**Weekend**
Typical Background Noise Level, dB $L_{A90,\ 1\ hour/\ 15\ min}$	59	52	37	34
Specific Source Noise Level, dB $L_{Aeq,\ 1\ hour}$	46	46	34	34
Rating Character Correction, dB	+3	+3	+3	+3
Rating Noise Level, dB	49	49	37	37
BS 4142 Assessment Level, dB	-10	-3	0	+3

Table 5: BS 4142 Noise Impact Assessment, Proposed New Housing

	Noise Level and Periods of Proposed Operation			
	Daytime Hours		**Night time Hours**	
	Weekday	**Weekend**	**Weekday**	**Weekend**
Typical Background Noise Level, dB $L_{A90,\ 1\ hour/\ 15\ min}$	47	45	39	39
Specific Source Noise Level, dB $L_{Aeq,\ 1\ hour}$	45	45	33	33
Rating Character Correction, dB	+3	+3	+3	+3
Rating Noise Level, dB	48	48	36	36
BS 4142 Assessment Level, dB	+1	+3	-3	-3

Table 6: BS 4124 Noise Impact Assessment, Rear of Hilary Rise

	Noise Level and Periods of Proposed Operation			
	Daytime Hours		Night time Hours	
	Weekday	Weekend	Weekday	Weekend
Typical Background Noise Level, dB $L_{A90,\ 1\ hour/\ 15\ min}$	47	45	39	39
Specific Source Noise Level, dB $L_{Aeq,\ 1\ hour}$	46	46	35	35
Rating Character Correction, dB	+3	+3	+3	+3
Rating Noise Level, dB	49	49	38	38
BS 4142 Assessment Level, dB	+2	+4	-1	-1

Table 7: BS 4124 Noise Impact Assessment, Wilfred Street

7.5 The assessment indicates that the noise from the operations will be between 'low' and 'adverse' subject to context at all times. Relevant context in this case is the presence of the site for industrial use for many years.

7.6 BS 4142:2014 requires a statement of uncertainty to be provided. In this case the assessment has been undertaken both subjectively and objectively. There is usually an uncertainty of +/- 3 dB associated with an acoustic prediction model undertaken in accordance with ISO 9613, however, in this case the model has been validated using on – site measurements. The greatest uncertainty/ variability in the noise impact is believed to occur as a result of the wind direction, however, the assessment has been performed under downwind propagation conditions and is therefore considered to represent a worst case. As a result uncertainty associated with the assessment is considered to be minimised.

8.0 CONCLUSIONS

8.1 24 Acoustics Ltd has been retained by South West Wood Products to provide an assessment of the potential impact of noise from their proposed new wood processing facility at Berth 31 on the Port of Barry in Wales.

8.2 The assessment has been undertaken following detailed noise surveys at the nearest residential receptors to the site. An acoustic propagation model of the operations has also been developed.

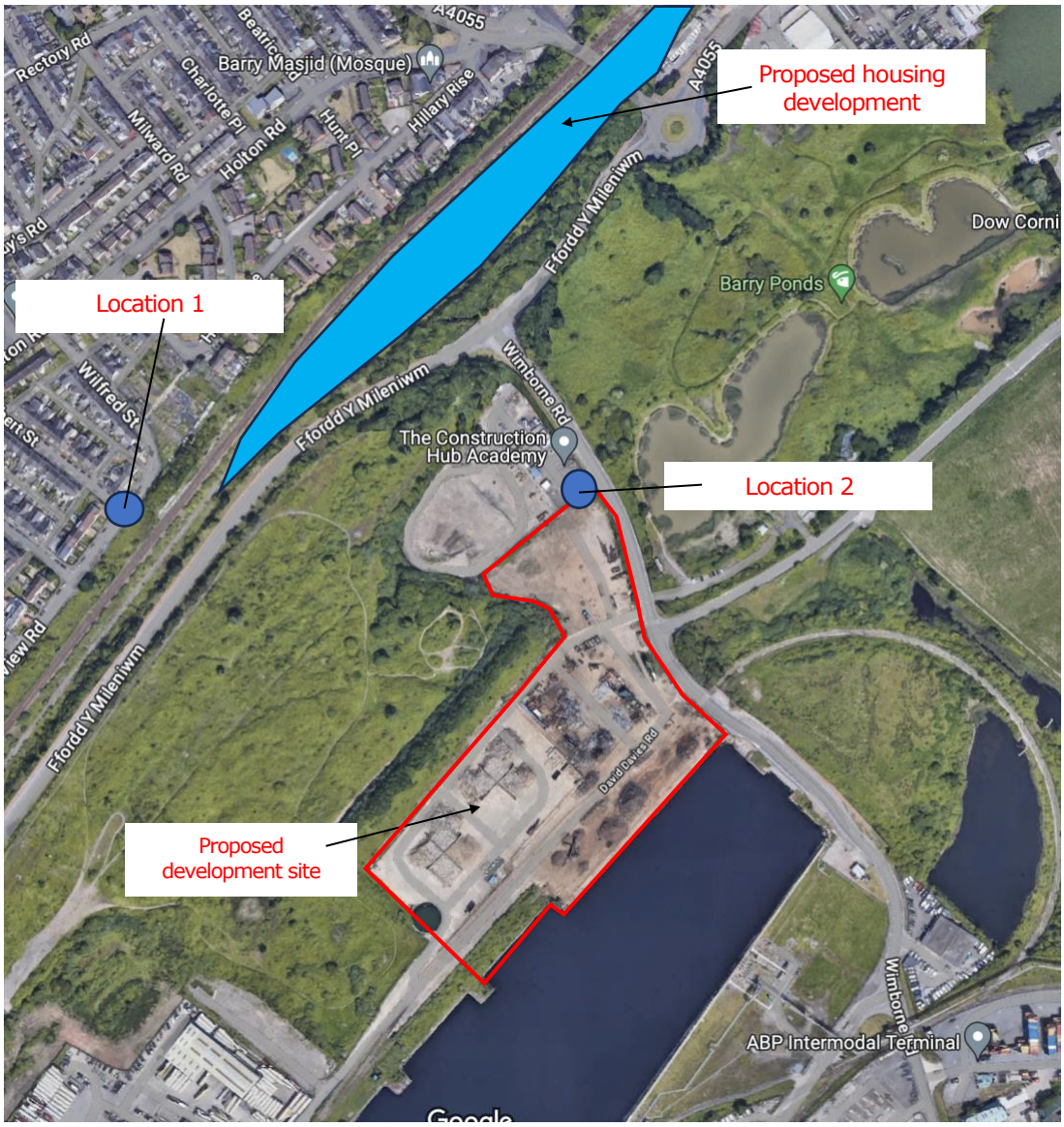
8.3 The assessment has concluded that the noise impact associated with the operations will be low at all times at all receptors once the contextual history of the site is taken into account and therefore there are considered no noise grounds for refusal of planning consent for the proposals.

REFERENCES

1. Planning Guidance (Wales), Technical Advice Note (Wales) 11, Noise, October 1997.

2. British Standards Institution. British Standard 4142:2014+A1:2019 Methods for rating and assessing industrial and commercial sound, 2019.

3. International Standards Institution. ISO 9613. Acoustics- Attenuation during Propagation of Sound Outdoors, Parts 1 and 2, 1993.



Project: Berth 31, Barry Docks	**Title:** Site Location and Noise Survey Locations	
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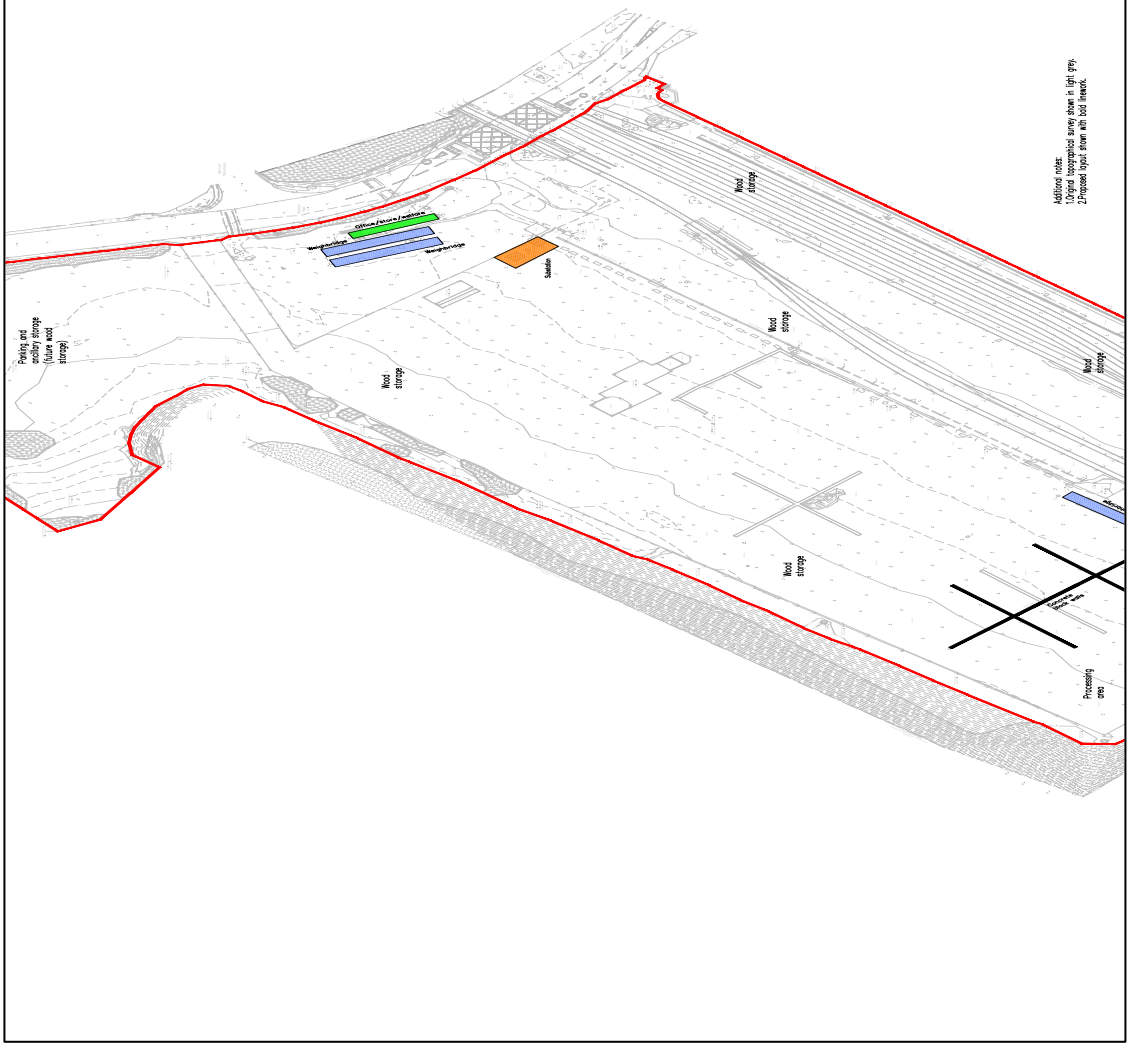
Date: Oct 2024	**Drawn By:** RP	**Job No:** 10025



Project: Berth 31, Barry Docks	**Title:** Proposed Site Layout	
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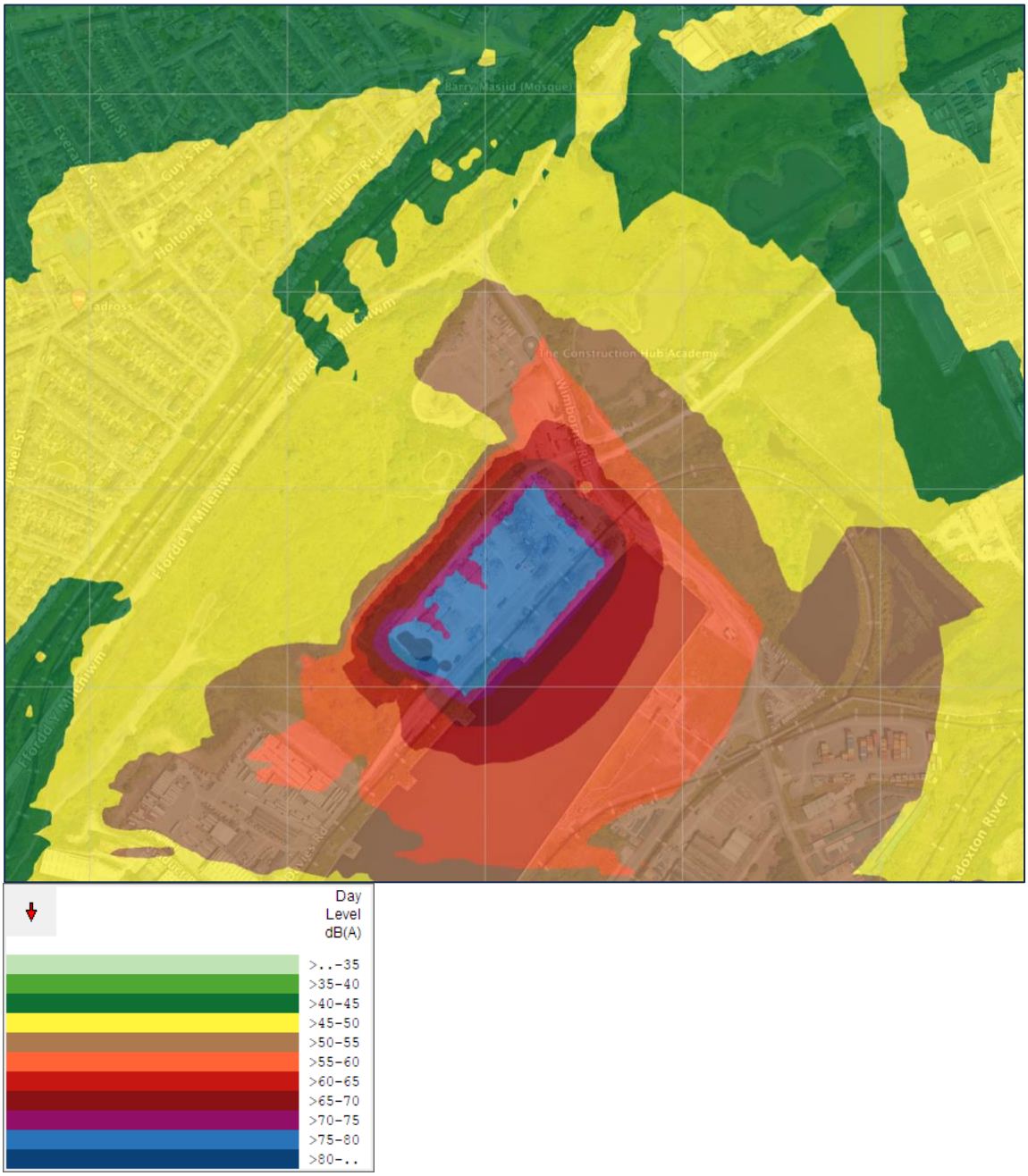
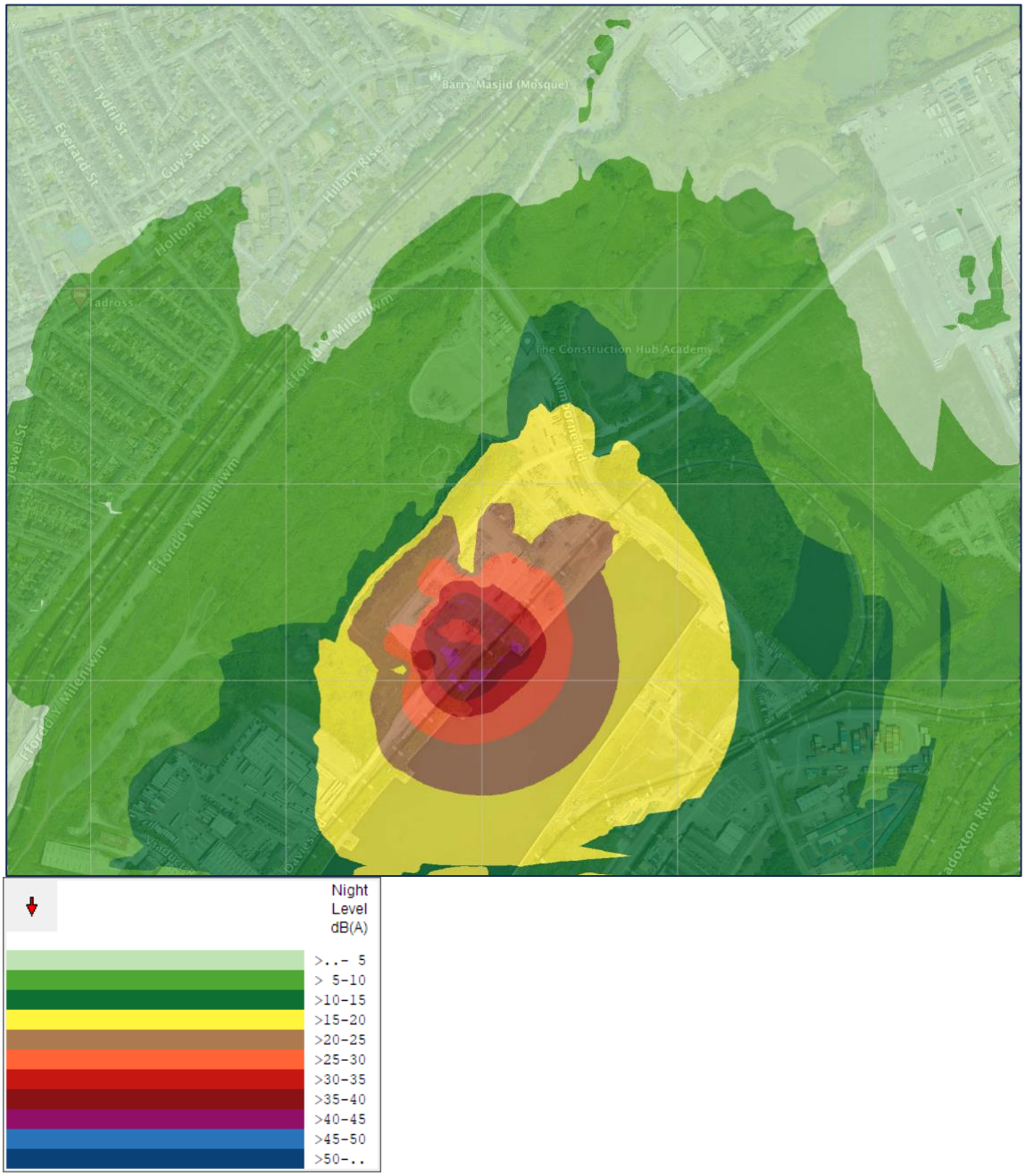
Date: Oct 2024	**Drawn By:** RP	**Job No:** 10025



Project: South West Wood Liberty Steels	**Title:** Site Noise Contours, Daytime, Ground Floor Level dB $L_{Aeq,\ 1\ hour}$	
DWG No: Figure 3	**Scale:** N.T.S.	**Rev:** -
Date: Oct 2024	**Drawn By:** RP	**Job No:** 10025-1



Project: South West Wood Liberty Steels	**Title:** Site Noise Contours, Night time, 4 m height dB $L_{Aeq, 15min}$	
DWG No: Figure 4	**Scale:** N.T.S.	**Rev:** -
Date: Oct 2024	**Drawn By:** RP	**Job No:** 10024

APPENDIX A: Acoustic Terminology

Noise is defined as unwanted sound. The range of audible sound is from 0 to 140 dB. The frequency response of the ear is usually taken to be around 18 Hz (number of oscillations per second) to 18000 Hz. The ear does not respond equally to different frequencies at the same level. It is more sensitive in the mid-frequency range than the lower and higher frequencies and because of this, the low and high frequency components of a sound are reduced in importance by applying a weighting (filtering) circuit to the noise measuring instrument. The weighting which is most widely used and which correlates best with subjective response to noise is the dBA weighting. This is an internationally accepted standard for noise measurements.

For variable sources, such as traffic, a difference of 3 dBA is just distinguishable. In addition, a doubling of traffic flow will increase the overall noise by 3 dBA. The 'loudness' of a noise is a purely subjective parameter, but it is generally accepted that an increase/ decrease of 10 dBA corresponds to a doubling/ halving in perceived loudness.

External noise levels are rarely steady, but rise and fall according to activities within an area. In attempt to produce a figure that relates this variable noise level to subjective response, a number of noise indices have been developed. These include:

i) The L_{Amax} noise level

This is the maximum noise level recorded over the measurement period.

ii) The L_{Aeq} noise level

This is "equivalent continuous A-weighted sound pressure level, in decibels" and is defined in British Standard BS 7445 as the " value of the A-weighted sound pressure level of a continuous, steady sound that, within a specified time internal, T, has the same mean square sound pressure as a sound under consideration whose level varies with time".

It is a unit commonly used to describe construction noise and noise from industrial premises and is the most suitable unit for the description of other forms of environmental noise. In more straightforward terms, it is a measure of energy within the varying noise.

iii) The L_{A10} noise level

This is the noise level that is exceeded for 10% of the measurement period and gives an indication of the noisier levels. It is a unit that has been used over many years for the measurement and assessment of road traffic noise.

iv) The L_{A90} noise level

This is the noise level that is exceeded for 90% of the measurement period and gives an indication of the noise level during the quieter periods. It is often referred to as the background noise level and is used in the assessment of disturbance from industrial noise.

APPENDIX B: Instrumentation Calibration Certificates

APPENDIX C: Noise and Meteorological Survey Results

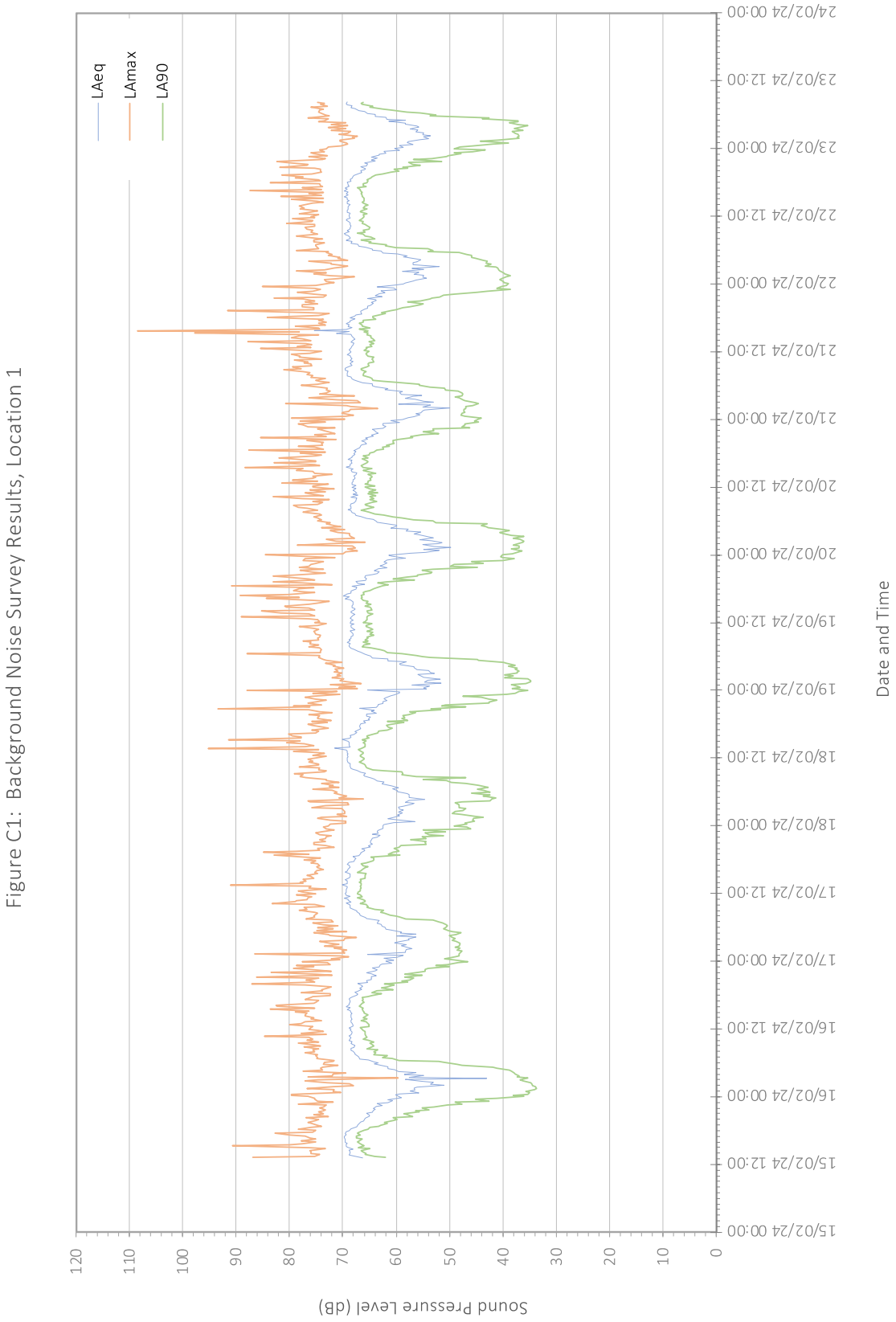


Figure C1: Background Noise Survey Results, Location 1

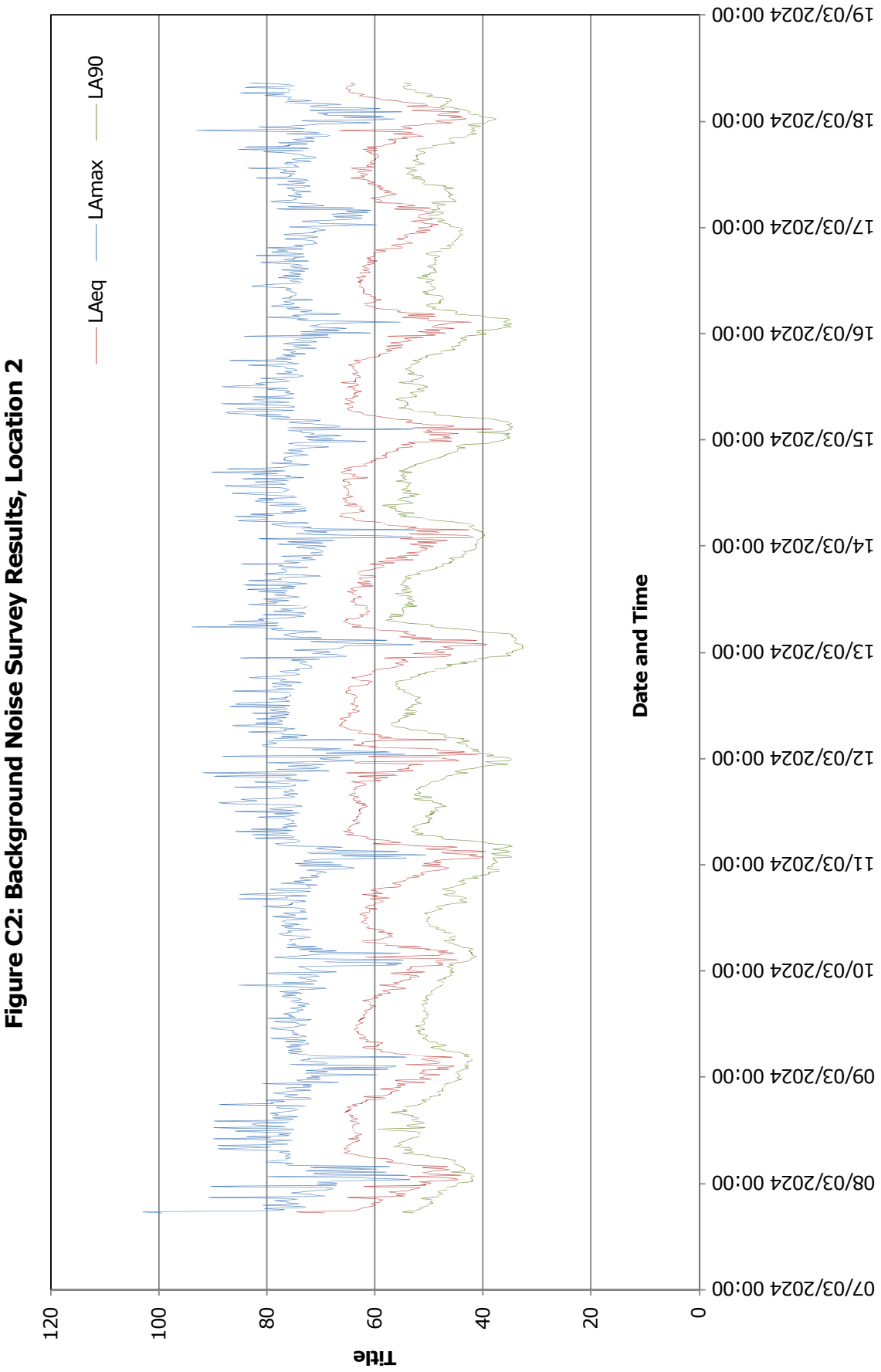


Figure C2: Background Noise Survey Results, Location 2

Date	Time	Wind Speed m/s	Rain mm	Date	Time	Wind Speed m/s	Rain mm	Date	Time	Wind Speed m/s	Rain mm	Date	Time	Wind Speed m/s	Rain mm
				16/02/2024	00:00	1.3	0.2	17/02/2024	00:00	0	0	18/02/2024	00:00	0	0
				16/02/2024	00:15	1.3	0	17/02/2024	00:15	0	0	18/02/2024	00:15	0	0.2
				16/02/2024	00:30	1.8	0	17/02/2024	00:30	0.4	0	18/02/2024	00:30	0	0.2
				16/02/2024	00:45	1.8	0	17/02/2024	00:45	0	0	18/02/2024	00:45	0	0
				16/02/2024	01:00	2.2	0	17/02/2024	01:00	0	0	18/02/2024	01:00	0	0
				16/02/2024	01:15	2.2	0	17/02/2024	01:15	0	0	18/02/2024	01:15	0	0
				16/02/2024	01:30	2.2	0	17/02/2024	01:30	0.4	0	18/02/2024	01:30	0	0.2
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				16/02/2024	02:00	1.3	0	17/02/2024	02:00	0.4	0	18/02/2024	02:00	0	0.2
				16/02/2024	02:15	1.3	0	17/02/2024	02:15	0	0.2	18/02/2024	02:15	0	0.2
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				16/02/2024	05:45	1.3	0	17/02/2024	05:45	0	0	18/02/2024	05:45	1.8	0.2
				16/02/2024	06:00	1.8	0	17/02/2024	06:00	0	0	18/02/2024	06:00	1.8	0.8
				16/02/2024	06:15	2.2	0	17/02/2024	06:15	0	0	18/02/2024	06:15	1.3	0.2
				16/02/2024	06:30	1.8	0	17/02/2024	06:30	0	0	18/02/2024	06:30	2.2	0
				16/02/2024	06:45	1.3	0	17/02/2024	06:45	0	0	18/02/2024	06:45	0.9	0
				16/02/2024	07:00	1.8	0	17/02/2024	07:00	0	0	18/02/2024	07:00	0.9	0
				16/02/2024	07:15	1.3	0	17/02/2024	07:15	0	0	18/02/2024	07:15	1.3	0
				16/02/2024	07:30	2.2	0	17/02/2024	07:30	0	0	18/02/2024	07:30	1.8	0
				16/02/2024	07:45	2.7	0.2	17/02/2024	07:45	0	0	18/02/2024	07:45	1.3	0
				16/02/2024	08:00	2.7	0	17/02/2024	08:00	0	0	18/02/2024	08:00	1.3	0
				16/02/2024	08:15	2.7	0	17/02/2024	08:15	0	0	18/02/2024	08:15	1.3	0
				16/02/2024	08:30	2.7	0	17/02/2024	08:30	0	0	18/02/2024	08:30	1.3	0
				16/02/2024	08:45	2.7	0	17/02/2024	08:45	0	0	18/02/2024	08:45	1.3	0
				16/02/2024	09:00	2.7	0	17/02/2024	09:00	0	0	18/02/2024	09:00	1.3	0
				16/02/2024	09:15	3.1	0	17/02/2024	09:15	0.9	0	18/02/2024	09:15	2.2	0
				16/02/2024	09:30	3.1	0	17/02/2024	09:30	1.8	0	18/02/2024	09:30	1.8	0
				16/02/2024	09:45	2.7	0	17/02/2024	09:45	2.2	0	18/02/2024	09:45	1.8	0
				16/02/2024	10:00	2.7	0	17/02/2024	10:00	1.8	0	18/02/2024	10:00	2.2	0
				16/02/2024	10:15	3.1	0	17/02/2024	10:15	1.8	0	18/02/2024	10:15	1.8	0
				16/02/2024	10:30	4	0	17/02/2024	10:30	1.8	0	18/02/2024	10:30	1.8	0
				16/02/2024	10:45	4	0	17/02/2024	10:45	1.8	0	18/02/2024	10:45	2.2	0
				16/02/2024	11:00	3.1	0	17/02/2024	11:00	1.8	0	18/02/2024	11:00	2.2	0
				16/02/2024	11:15	3.1	0	17/02/2024	11:15	1.8	0	18/02/2024	11:15	1.8	0
				16/02/2024	11:30	3.6	0	17/02/2024	11:30	1.8	0	18/02/2024	11:30	2.2	0
				16/02/2024	11:45	4	0	17/02/2024	11:45	1.8	0	18/02/2024	11:45	1.8	0
				16/02/2024	12:00	2.7	0	17/02/2024	12:00	1.8	0	18/02/2024	12:00	1.8	0
15/02/2024	12:15	0	0.2	16/02/2024	12:15	3.1	0	17/02/2024	12:15	2.7	0	18/02/2024	12:15	2.2	0
15/02/2024	12:30	0.9	0	16/02/2024	12:30	3.6	0	17/02/2024	12:30	3.1	0	18/02/2024	12:30	2.2	0
15/02/2024	12:45	1.3	0	16/02/2024	12:45	3.6	0	17/02/2024	12:45	3.1	0	18/02/2024	12:45	1.8	0
15/02/2024	13:00	0	0	16/02/2024	13:00	3.6	0	17/02/2024	13:00	1.8	0	18/02/2024	13:00	2.7	0
15/02/2024	13:15	0.4	0	16/02/2024	13:15	3.6	0	17/02/2024	13:15	4	0	18/02/2024	13:15	2.7	0
15/02/2024	13:30	0.9	0.8	16/02/2024	13:30	3.6	0	17/02/2024	13:30	4	0	18/02/2024	13:30	3.1	0
15/02/2024	13:45	0.4	0.6	16/02/2024	13:45	3.1	0	17/02/2024	13:45	3.6	0	18/02/2024	13:45	2.2	0
15/02/2024	14:00	0.9	1	16/02/2024	14:00	3.1	0	17/02/2024	14:00	3.6	0	18/02/2024	14:00	2.2	0
15/02/2024	14:15	0.4	0.6	16/02/2024	14:15	2.7	0	17/02/2024	14:15	4	0	18/02/2024	14:15	1.8	0
15/02/2024	14:30	0	0.2	16/02/2024	14:30	2.2	0	17/02/2024	14:30	3.6	0	18/02/2024	14:30	1.8	0
15/02/2024	14:45	0	0.4	16/02/2024	14:45	2.2	0	17/02/2024	14:45	3.6	0	18/02/2024	14:45	2.2	0
15/02/2024	15:00	0.9	0.2	16/02/2024	15:00	2.2	0	17/02/2024	15:00	2.2	0	18/02/2024	15:00	2.2	0
15/02/2024	15:15	0.9	0.2	16/02/2024	15:15	2.2	0	17/02/2024	15:15	3.6	0	18/02/2024	15:15	2.2	0
15/02/2024	15:30	1.3	0.4	16/02/2024	15:30	2.7	0	17/02/2024	15:30	4.5	0.2	18/02/2024	15:30	2.2	0
15/02/2024	15:45	2.7	0.4	16/02/2024	15:45	2.7	0	17/02/2024	15:45	3.6	0.4	18/02/2024	15:45	1.8	0
15/02/2024	16:00	3.6	0.4	16/02/2024	16:00	2.7	0	17/02/2024	16:00	3.1	0.4	18/02/2024	16:00	2.7	0
15/02/2024	16:15	3.6	0.2	16/02/2024	16:15	2.2	0	17/02/2024	16:15	2.7	0.2	18/02/2024	16:15	2.7	0
15/02/2024	16:30	3.6	0	16/02/2024	16:30	2.2	0	17/02/2024	16:30	2.7	0.2	18/02/2024	16:30	3.1	0
15/02/2024	16:45	3.1	0	16/02/2024	16:45	1.8	0	17/02/2024	16:45	2.7	0.6	18/02/2024	16:45	3.1	0
15/02/2024	17:00	3.1	0	16/02/2024	17:00	2.7	0	17/02/2024	17:00	2.2	0.4	18/02/2024	17:00	2.7	0
15/02/2024	17:15	3.1	0	16/02/2024	17:15	2.7	0	17/02/2024	17:15	1.8	0.4	18/02/2024	17:15	1.8	0
15/02/2024	17:30	2.7	0	16/02/2024	17:30	1.8	0	17/02/2024	17:30	1.3	0.8	18/02/2024	17:30	2.7	0
15/02/2024	17:45	1.8	0	16/02/2024	17:45	1.3	0	17/02/2024	17:45	1.3	1	18/02/2024	17:45	3.1	0
15/02/2024	18:00	3.1	0.2	16/02/2024	18:00	1.3	0	17/02/2024	18:00	0.9	0.6	18/02/2024	18:00	2.7	0
15/02/2024	18:15	2.2	0.8	16/02/2024	18:15	1.3	0	17/02/2024	18:15	0.4	1	18/02/2024	18:15	2.2	0
15/02/2024	18:30	1.3	0.4	16/02/2024	18:30	1.3	0	17/02/2024	18:30	0.9	1.4	18/02/2024	18:30	2.2	0
15/02/2024	18:45	0.4	0.4	16/02/2024	18:45	0.4	0	17/02/2024	18:45	0.9	1	18/02/2024	18:45	2.2	0
15/02/2024	19:00	0.4	0	16/02/2024	19:00	0.9	0	17/02/2024	19:00	0.9	0.4	18/02/2024	19:00	1.8	0
15/02/2024	19:15	0.9	0.2	16/02/2024	19:15	1.8	0	17/02/2024	19:15	0.9	0.4	18/02/2024	19:15	1.3	0
15/02/2024	19:30	0.9	0.2	16/02/2024	19:30	2.2	0	17/02/2024	19:30	1.3	0.4	18/02/2024	19:30	1.8	0
15/02/2024	19:45	1.3	0.2	16/02/2024	19:45	1.8	0	17/02/2024	19:45	1.3	0.4	18/02/2024	19:45	2.2	0
15/02/2024	20:00	1.8	0	16/02/2024	20:00	1.8	0	17/02/2024	20:00	1.3	0.2	18/02/2024	20:00	1.8	0
15/02/2024	20:15	1.8	0.2	16/02/2024	20:15	0.9	0	17/02/2024	20:15	1.8	0.4	18/02/2024	20:15	1.8	0
15/02/2024	20:30	1.3	0	16/02/2024	20:30	0.9	0	17/02/2024	20:30	1.3	0.4	18/02/2024	20:30	0.9	0
15/02/2024	20:45	0.9	0	16/02/2024	20:45	0.4	0	17/02/2024	20:45	1.3	0.6	18/02/2024	20:45	0.4	0
15/02/2024	21:00	1.3	0.2	16/02/2024	21:00	0	0	17/02/2024	21:00	1.8	0.4	18/02/2024	21:00	1.3	0
15/02/2024	21:15	0.9	0.4	16/02/2024	21:15	0	0	17/02/2024	21:15	1.8	0.2	18/02/2024	21:15	0.9	0
15/02/2024	21:30	0.9	0.2	16/02/2024	21:30	0.4	0	17/02/2024	21:30	1.3	0.4	18/02/2024	21:30	0.9	0
15/02/2024	21:45	1.3	0.2	16/02/2024	21:45	0	0	17/02/2024	21:45	1.3	0.2	18/02/2024	21:45	1.3	0
15/02/2024	22:00	1.3	0.4	16/02/2024	22:00	0	0	17/02/2024	22:00	0.9	0.2	18/02/2024	22:00	0.9	0
15/02/2024	22:15	1.3	0.2	16/02/2024	22:15	0.4	0	17/02/2024	22:15	0.4	0.4	18/02/2024	22:15	0.9	0
15/02/2024	22:30	0.9	0.2	16/02/2024	22:30	0	0	17/02/2024	22:30	0	0.4	18/02/2024	22:30	1.8	0
15/02/2024	22:45	1.3	0.4	16/02/2024	22:45	0.4	0	17/02/2024	22:45	0	0.2	18/02/2024	22:45	1.8	0
15/02/2024	23:00	0.9	0.4	16/02/2024	23:00	0	0	17/02/2024	23:00	0	0.6	18/02/2024	23:00	2.2	0
15/02/2024	23:15	0.9	0.2	16/02/2024	23:15	0	0	17/02/2024	23:15	0	0	18/02/2024	23:15	1.3	0
15/02/2024	23:30	0.4	0	16/02/2024	23:30	0	0	17/02/2024	23:30	0	0	18/02/2024	23:30	1.3	0
15/02/2024	23:45	1.8	0.4	16/02/2024	23:45	0	0	17/02/2024	23:45	0	0.2	18/02/2024	23:45	0.9	0

Table C1: Meteorological Survey Results

Date	Time	Wind Speed m/s	Rain mm	Date	Time	Wind Speed m/s	Rain mm	Date	Time	Wind Speed m/s	Rain mm	Date	Time	Wind Speed m/s	Rain mm
19/02/2024	00:00	1.3	0	20/02/2024	00:00	1.3	0	21/02/2024	00:00	1.8	0.2	22/02/2024	00:00	1.8	0
19/02/2024	00:15	1.8	0	20/02/2024	00:15	1.3	0	21/02/2024	00:15	1.3	0	22/02/2024	00:15	2.7	0
19/02/2024	00:30	1.3	0	20/02/2024	00:30	1.8	0	21/02/2024	00:30	0.9	0.2	22/02/2024	00:30	2.7	0
19/02/2024	00:45	2.2	0	20/02/2024	00:45	1.8	0	21/02/2024	00:45	1.8	0.2	22/02/2024	00:45	2.2	0
19/02/2024	01:00	1.3	0	20/02/2024	01:00	1.8	0	21/02/2024	01:00	1.8	0	22/02/2024	01:00	2.7	0
19/02/2024	01:15	2.2	0	20/02/2024	01:15	1.3	0	21/02/2024	01:15	1.3	0.4	22/02/2024	01:15	3.1	0
19/02/2024	01:30	2.7	0	20/02/2024	01:30	0.9	0	21/02/2024	01:30	1.8	0.2	22/02/2024	01:30	4	0
19/02/2024	01:45	3.1	0	20/02/2024	01:45	0.9	0	21/02/2024	01:45	2.7	0.4	22/02/2024	01:45	3.1	0
19/02/2024	02:00	1.8	0	20/02/2024	02:00	0.9	0	21/02/2024	02:00	3.1	0.4	22/02/2024	02:00	3.1	0
19/02/2024	02:15	2.2	0	20/02/2024	02:15	0.9	0	21/02/2024	02:15	2.2	0.4	22/02/2024	02:15	3.1	0
19/02/2024	02:30	1.3	0	20/02/2024	02:30	1.8	0	21/02/2024	02:30	2.2	0.4	22/02/2024	02:30	3.6	0
19/02/2024	02:45	1.8	0	20/02/2024	02:45	1.8	0	21/02/2024	02:45	3.1	0.2	22/02/2024	02:45	3.1	0
19/02/2024	03:00	2.2	0	20/02/2024	03:00	1.8	0	21/02/2024	03:00	4	0.2	22/02/2024	03:00	4	0
19/02/2024	03:15	3.1	0	20/02/2024	03:15	1.3	0	21/02/2024	03:15	4	0.2	22/02/2024	03:15	4	0
19/02/2024	03:30	3.1	0	20/02/2024	03:30	1.3	0	21/02/2024	03:30	4	0.2	22/02/2024	03:30	4	0
19/02/2024	03:45	3.6	0	20/02/2024	03:45	1.3	0	21/02/2024	03:45	4	0.4	22/02/2024	03:45	3.6	0
19/02/2024	04:00	3.6	0	20/02/2024	04:00	0.9	0	21/02/2024	04:00	3.6	0.6	22/02/2024	04:00	3.6	0
19/02/2024	04:15	2.7	0	20/02/2024	04:15	1.3	0	21/02/2024	04:15	3.1	1.2	22/02/2024	04:15	4.5	0
19/02/2024	04:30	3.1	0	20/02/2024	04:30	0.9	0	21/02/2024	04:30	2.7	0.4	22/02/2024	04:30	4.9	0
19/02/2024	04:45	2.7	0	20/02/2024	04:45	0.4	0	21/02/2024	04:45	2.2	0.2	22/02/2024	04:45	5.4	0
19/02/2024	05:00	3.1	0	20/02/2024	05:00	0.4	0	21/02/2024	05:00	3.6	0.4	22/02/2024	05:00	5.4	0
19/02/2024	05:15	3.6	0	20/02/2024	05:15	0.9	0	21/02/2024	05:15	3.1	0.6	22/02/2024	05:15	5.4	0
19/02/2024	05:30	3.1	0	20/02/2024	05:30	0.9	0	21/02/2024	05:30	4	0.6	22/02/2024	05:30	5.4	0
19/02/2024	05:45	3.1	0	20/02/2024	05:45	1.3	0	21/02/2024	05:45	4.5	0.6	22/02/2024	05:45	5.4	0
19/02/2024	06:00	4	0	20/02/2024	06:00	1.3	0	21/02/2024	06:00	4.9	0.2	22/02/2024	06:00	4.9	0
19/02/2024	06:15	4	0	20/02/2024	06:15	1.8	0	21/02/2024	06:15	5.4	0.6	22/02/2024	06:15	4.5	0
19/02/2024	06:30	4	0	20/02/2024	06:30	1.3	0	21/02/2024	06:30	4.9	0.6	22/02/2024	06:30	5.4	0
19/02/2024	06:45	3.1	0	20/02/2024	06:45	1.3	0	21/02/2024	06:45	4.5	0.8	22/02/2024	06:45	4.9	2.6
19/02/2024	07:00	2.7	0.2	20/02/2024	07:00	1.3	0	21/02/2024	07:00	6.7	0.6	22/02/2024	07:00	2.7	0.8
19/02/2024	07:15	2.7	0	20/02/2024	07:15	1.3	0	21/02/2024	07:15	6.3	0.8	22/02/2024	07:15	0.9	0.6
19/02/2024	07:30	2.7	0.2	20/02/2024	07:30	0.9	0	21/02/2024	07:30	5.8	0.8	22/02/2024	07:30	0.9	0.6
19/02/2024	07:45	3.1	0	20/02/2024	07:45	0.4	0	21/02/2024	07:45	6.3	0.8	22/02/2024	07:45	0.4	2
19/02/2024	08:00	4	0	20/02/2024	08:00	0	0	21/02/2024	08:00	7.2	0.8	22/02/2024	08:00	0.4	0.6
19/02/2024	08:15	4	0	20/02/2024	08:15	0	0	21/02/2024	08:15	6.7	0.6	22/02/2024	08:15	0	0.4
19/02/2024	08:30	2.7	0	20/02/2024	08:30	0.4	0	21/02/2024	08:30	5.8	0.6	22/02/2024	08:30	0	0
19/02/2024	08:45	2.7	0	20/02/2024	08:45	0.9	0	21/02/2024	08:45	6.3	0.6	22/02/2024	08:45	0	0
19/02/2024	09:00	2.2	0	20/02/2024	09:00	1.8	0	21/02/2024	09:00	6.3	0.8	22/02/2024	09:00	0	0
19/02/2024	09:15	1.3	0	20/02/2024	09:15	2.2	0	21/02/2024	09:15	5.4	0.8	22/02/2024	09:15	0	0
19/02/2024	09:30	1.3	0	20/02/2024	09:30	2.2	0	21/02/2024	09:30	6.3	0.6	22/02/2024	09:30	0	0
19/02/2024	09:45	0.9	0	20/02/2024	09:45	2.2	0	21/02/2024	09:45	5.8	0.8	22/02/2024	09:45	0.4	0
19/02/2024	10:00	0.9	0	20/02/2024	10:00	2.2	0	21/02/2024	10:00	6.3	0.2	22/02/2024	10:00	0.4	0
19/02/2024	10:15	1.3	0	20/02/2024	10:15	2.2	0	21/02/2024	10:15	6.3	0.6	22/02/2024	10:15	0.4	0
19/02/2024	10:30	1.3	0	20/02/2024	10:30	2.7	0	21/02/2024	10:30	5.8	0.6	22/02/2024	10:30	0.4	0
19/02/2024	10:45	1.8	0	20/02/2024	10:45	2.7	0	21/02/2024	10:45	6.7	0.4	22/02/2024	10:45	0.4	0
19/02/2024	11:00	1.8	0	20/02/2024	11:00	3.1	0	21/02/2024	11:00	6.7	0	22/02/2024	11:00	0.4	0
19/02/2024	11:15	0.9	0	20/02/2024	11:15	2.2	0	21/02/2024	11:15	6.7	0	22/02/2024	11:15	0.9	0
19/02/2024	11:30	2.2	0	20/02/2024	11:30	2.7	0	21/02/2024	11:30	5.8	0	22/02/2024	11:30	1.8	0.4
19/02/2024	11:45	1.8	0	20/02/2024	11:45	2.2	0	21/02/2024	11:45	5.8	0	22/02/2024	11:45	3.1	1
19/02/2024	12:00	2.2	0	20/02/2024	12:00	2.2	0	21/02/2024	12:00	4.5	0	22/02/2024	12:00	2.7	0.8
19/02/2024	12:15	2.2	0	20/02/2024	12:15	2.2	0	21/02/2024	12:15	3.6	0	22/02/2024	12:15	2.7	0.6
19/02/2024	12:30	2.7	0	20/02/2024	12:30	2.2	0	21/02/2024	12:30	3.1	0	22/02/2024	12:30	2.7	0.2
19/02/2024	12:45	2.2	0	20/02/2024	12:45	1.8	0	21/02/2024	12:45	2.7	0	22/02/2024	12:45	2.7	0.2
19/02/2024	13:00	1.8	0	20/02/2024	13:00	1.3	0	21/02/2024	13:00	4.5	0	22/02/2024	13:00	2.7	0.2
19/02/2024	13:15	1.3	0	20/02/2024	13:15	1.8	0	21/02/2024	13:15	5.8	0	22/02/2024	13:15	3.6	0.4
19/02/2024	13:30	2.2	0	20/02/2024	13:30	1.8	0	21/02/2024	13:30	6.7	0	22/02/2024	13:30	2.7	0.2
19/02/2024	13:45	1.8	0	20/02/2024	13:45	1.8	0	21/02/2024	13:45	7.2	0	22/02/2024	13:45	3.6	0.4
19/02/2024	14:00	2.2	0	20/02/2024	14:00	2.2	0	21/02/2024	14:00	8	0	22/02/2024	14:00	4	0
19/02/2024	14:15	2.7	0	20/02/2024	14:15	3.1	0	21/02/2024	14:15	6.3	0	22/02/2024	14:15	3.1	0.2
19/02/2024	14:30	2.7	0	20/02/2024	14:30	3.1	0	21/02/2024	14:30	5.8	0	22/02/2024	14:30	2.2	0
19/02/2024	14:45	3.1	0	20/02/2024	14:45	3.6	0	21/02/2024	14:45	6.7	0	22/02/2024	14:45	2.2	0
19/02/2024	15:00	2.7	0	20/02/2024	15:00	2.7	0	21/02/2024	15:00	7.2	0	22/02/2024	15:00	1.8	0
19/02/2024	15:15	2.7	0	20/02/2024	15:15	2.7	0	21/02/2024	15:15	5.8	0	22/02/2024	15:15	2.2	0
19/02/2024	15:30	2.2	0	20/02/2024	15:30	2.7	0	21/02/2024	15:30	5.8	0	22/02/2024	15:30	2.2	0
19/02/2024	15:45	2.7	0	20/02/2024	15:45	3.1	0	21/02/2024	15:45	4.9	0	22/02/2024	15:45	2.2	0
19/02/2024	16:00	2.7	0	20/02/2024	16:00	3.6	0	21/02/2024	16:00	5.4	0	22/02/2024	16:00	3.1	0
19/02/2024	16:15	3.1	0	20/02/2024	16:15	3.6	0	21/02/2024	16:15	5.4	0	22/02/2024	16:15	3.6	0
19/02/2024	16:30	2.2	0	20/02/2024	16:30	4	0	21/02/2024	16:30	5.4	0	22/02/2024	16:30	2.7	0
19/02/2024	16:45	2.2	0	20/02/2024	16:45	4.5	0	21/02/2024	16:45	5.4	0	22/02/2024	16:45	2.2	0
19/02/2024	17:00	1.8	0	20/02/2024	17:00	4.9	0	21/02/2024	17:00	4	0	22/02/2024	17:00	1.8	0
19/02/2024	17:15	1.3	0	20/02/2024	17:15	5.4	0	21/02/2024	17:15	3.1	0	22/02/2024	17:15	2.7	0
19/02/2024	17:30	0.9	0	20/02/2024	17:30	4.9	0	21/02/2024	17:30	3.1	0	22/02/2024	17:30	2.7	0
19/02/2024	17:45	1.8	0	20/02/2024	17:45	4	0	21/02/2024	17:45	4	0	22/02/2024	17:45	1.8	0
19/02/2024	18:00	1.8	0	20/02/2024	18:00	3.1	0	21/02/2024	18:00	4	0	22/02/2024	18:00	1.3	0
19/02/2024	18:15	1.3	0	20/02/2024	18:15	2.7	0	21/02/2024	18:15	4.5	0	22/02/2024	18:15	3.1	0.2
19/02/2024	18:30	1.3	0	20/02/2024	18:30	2.7	0	21/02/2024	18:30	4.5	0	22/02/2024	18:30	2.7	0.2
19/02/2024	18:45	1.8	0	20/02/2024	18:45	2.2	0	21/02/2024	18:45	4	0	22/02/2024	18:45	1.3	0.2
19/02/2024	19:00	1.8	0	20/02/2024	19:00	1.8	0	21/02/2024	19:00	4.5	0	22/02/2024	19:00	2.2	0
19/02/2024	19:15	1.3	0	20/02/2024	19:15	1.8	0	21/02/2024	19:15	4.9	0	22/02/2024	19:15	2.2	0
19/02/2024	19:30	1.8	0	20/02/2024	19:30	1.3	0	21/02/2024	19:30	4.9	0	22/02/2024	19:30	2.2	0
19/02/2024	19:45	1.3	0	20/02/2024	19:45	1.3	0	21/02/2024	19:45	5.8	0	22/02/2024	19:45	1.8	0
19/02/2024	20:00	1.8	0	20/02/2024	20:00	1.3	0	21/02/2024	20:00	4.5	0	22/02/2024	20:00	2.7	0
19/02/2024	20:15	1.3	0	20/02/2024	20:15	1.8	0	21/02/2024	20:15	4.9	0	22/02/2024	20:15	2.7	0
19/02/2024	20:30	1.3	0	20/02/2024	20:30	0.9	0.2	21/02/2024	20:30	4.9	0	22/02/2024	20:30	3.6	0
19/02/2024	20:45	0.4	0	20/02/2024	20:45	0.9	0.2	21/02/2024	20:45	4	0	22/02/2024	20:45	4	0
19/02/2024	21:00	1.3	0	20/02/2024	21:00	1.8	0	21/02/2024	21:00	4	0	22/02/2024	21:00	3.6	0
19/02/2024	21:15	0.9	0	20/02/2024	21:15	2.2	0	21/02/2024	21:15	3.1	0	22/02/2024	21:15	2.7	0
19/02/2024	21:30	1.3	0	20/02/2024	21:30	2.7	0.2	21/02/2024	21:30	2.7	0	22/02/2024	21:30	3.6	0
19/02/2024	21:45	2.2	0	20/02/2024	21:45	2.2	0.2	21/02/2024	21:45	3.1	0	22/02/2024	21:45	4.9	0
19/02/2024	22:00	1.3	0	20/02/2024	22:00	1.8	0	21/02/2024	22:00	3.1	0	22/02/2024	22:00	5.4	0
19/02/2024	22:15	1.3	0	20/02/2024	22:15	2.7	0	21/02/2024	22:15	3.1	0	22/02/2024	22:15	5.4	0
19/02/2024	22:30	1.8	0	20/02/2024	22:30	2.2	0.2	21/02/2024	22:30	2.7	0	22/02/2024	22:30	4	0.2
19/02/2024	22:45	1.3	0	20/02/2024	22:45	2.7	0	21/02/2024	22:45	2.7	0	22/02/2024	22:45	3.6	0
19/02/2024	23:00	1.8	0	20/02/2024	23:00	2.2	0	21/02/2024	23:00	2.2	0	22/02/2024	23:00	4.5	0
19/02/2024	23:15	1.8	0	20/02/2024	23:15	2.2	0.2	21/02/2024	23:15	2.2	0	22/02/2024	23:15	5.4	0
19/02/2024	23:30	1.8	0	20/02/2024	23:30	1.8	0	21/02/2024	23:30	1.8	0	22/02/2024	23:30	4.9	0.2
19/02/2024	23:45	1.8	0	20/02/2024	23:45	1.8	0.2	21/02/2024	23:45	1.3	0	22/02/2024	23:45	4	0.4

Table C1: Meteorological Survey Results cont'

Date	Time	Wind Speed m/s	Rain mm	Date	Time	Wind Speed m/s	Rain mm	Date	Time	Wind Speed m/s	Rain mm	Date	Time	Wind Speed m/s	Rain mm
23/02/2024	00:00	5.4	0												
23/02/2024	00:15	5.8	0.8												
23/02/2024	00:30	2.2	1.2												
23/02/2024	00:45	0.9	0.6												
23/02/2024	01:00	0.4	0												
23/02/2024	01:15	0.4	0												
23/02/2024	01:30	0.9	0.6												
23/02/2024	01:45	0.9	0												
23/02/2024	02:00	0.9	0												
23/02/2024	02:15	0.9	0												
23/02/2024	02:30	1.3	0												
23/02/2024	02:45	1.3	0												
23/02/2024	03:00	1.3	0												
23/02/2024	03:15	2.2	0												
23/02/2024	03:30	2.2	0												
23/02/2024	03:45	1.3	0												
23/02/2024	04:00	1.8	0.2												
23/02/2024	04:15	1.3	0												
23/02/2024	04:30	0.9	0												
23/02/2024	04:45	0.9	0												
23/02/2024	05:00	0.4	0												
23/02/2024	05:15	0.4	0												
23/02/2024	05:30	0.4	0												
23/02/2024	05:45	0.4	0												
23/02/2024	06:00	0.9	0												
23/02/2024	06:15	1.3	0												
23/02/2024	06:30	1.8	0												
23/02/2024	06:45	1.3	0												
23/02/2024	07:00	1.8	0												
23/02/2024	07:15	1.3	0												
23/02/2024	07:30	1.3	0												
23/02/2024	07:45	1.8	0												
23/02/2024	08:00	1.8	0												
23/02/2024	08:15	1.8	0												
23/02/2024	08:30	2.7	0												
23/02/2024	08:45	3.1	0.2												
23/02/2024	09:00	2.7	0.2												
23/02/2024	09:15	0	0												
23/02/2024	09:30	0	0												
23/02/2024	09:45	0	0												
23/02/2024	10:00	0	0												
23/02/2024	10:15	0	0												
23/02/2024	10:30	0	0												
23/02/2024	10:45	0	0												
23/02/2024	11:00	0	0												
23/02/2024	11:15	0	0												
23/02/2024	11:30	0	0												
23/02/2024	11:45	0	0												
23/02/2024	12:00	0	0												
23/02/2024	12:15	0	0												
23/02/2024	12:30	0	0												
23/02/2024	12:45	0	0												
23/02/2024	13:00	0	0												
23/02/2024	13:15	0	0												
23/02/2024	13:30	0	0												
23/02/2024	13:45	0	0												
23/02/2024	14:00	0	0												
23/02/2024	14:15	0	0												
23/02/2024	14:30	0	0												
23/02/2024	14:45	0	0												
23/02/2024	15:00	0	0												
23/02/2024	15:15	0	0												
23/02/2024	15:30	0	0												
23/02/2024	15:45	0	0												
23/02/2024	16:00	0	0												
23/02/2024	16:15	0	0												
23/02/2024	16:30	0	0												
23/02/2024	16:45	0	0												
23/02/2024	17:00	0	0												
23/02/2024	17:15	0	0												
23/02/2024	17:30	0	0												
23/02/2024	17:45	0	0												
23/02/2024	18:00	0	0												
23/02/2024	18:15	0	0												
23/02/2024	18:30	0	0												
23/02/2024	18:45	0	0												
23/02/2024	19:00	0	0												
23/02/2024	19:15	0	0												
23/02/2024	19:30	0	0												
23/02/2024	19:45	0	0												
23/02/2024	20:00	0	0												
23/02/2024	20:15	0	0												
23/02/2024	20:30	0	0												
23/02/2024	20:45	0	0												
23/02/2024	21:00	0	0												
23/02/2024	21:15	0	0												
23/02/2024	21:30	0	0												
23/02/2024	21:45	0	0												
23/02/2024	22:00	0	0												
23/02/2024	22:15	0	0												
23/02/2024	22:30	0	0												
23/02/2024	22:45	0	0												
23/02/2024	23:00	0	0												
23/02/2024	23:15	0	0												
23/02/2024	23:30	0	0												
23/02/2024	23:45	0	0												

Table C1: Meteorological Survey Results cont'

Date	Time	Wind Speed m/s	Rain mm	Date	Time	Wind Speed m/s	Rain mm	Date	Time	Wind Speed m/s	Rain mm	Date	Time	Wind Speed m/s	Rain mm
				08/03/2024	00:00	3.1	0	09/03/2024	00:00	2.7	0	10/03/2024	00:00	1.3	0
				08/03/2024	00:15	3.1	0	09/03/2024	00:15	2.7	0	10/03/2024	00:15	1.8	0.2
				08/03/2024	00:30	2.7	0	09/03/2024	00:30	2.7	0	10/03/2024	00:30	1.8	0.4
				08/03/2024	00:45	2.7	0	09/03/2024	00:45	3.1	0	10/03/2024	00:45	1.8	0.2
				08/03/2024	01:00	2.2	0	09/03/2024	01:00	2.7	0	10/03/2024	01:00	1.3	0.6
				08/03/2024	01:15	2.2	0	09/03/2024	01:15	3.1	0	10/03/2024	01:15	1.8	0.6
				08/03/2024	01:30	2.2	0	09/03/2024	01:30	3.6	0	10/03/2024	01:30	1.3	0.4
				08/03/2024	01:45	2.2	0	09/03/2024	01:45	2.7	0	10/03/2024	01:45	1.3	0.6
				08/03/2024	02:00	2.2	0	09/03/2024	02:00	2.7	0	10/03/2024	02:00	1.3	0.4
				08/03/2024	02:15	2.2	0	09/03/2024	02:15	2.2	0	10/03/2024	02:15	1.3	0
				08/03/2024	02:30	2.2	0	09/03/2024	02:30	2.7	0	10/03/2024	02:30	1.3	0
				08/03/2024	02:45	2.7	0	09/03/2024	02:45	2.2	0	10/03/2024	02:45	1.8	0
				08/03/2024	03:00	3.6	0	09/03/2024	03:00	2.7	0	10/03/2024	03:00	1.3	0
				08/03/2024	03:15	3.1	0	09/03/2024	03:15	2.7	0	10/03/2024	03:15	1.3	0
				08/03/2024	03:30	3.1	0	09/03/2024	03:30	3.1	0	10/03/2024	03:30	0.9	0
				08/03/2024	03:45	3.1	0	09/03/2024	03:45	2.2	0	10/03/2024	03:45	1.3	0
				08/03/2024	04:00	3.1	0	09/03/2024	04:00	2.2	0	10/03/2024	04:00	1.3	0
				08/03/2024	04:15	3.6	0	09/03/2024	04:15	2.2	0	10/03/2024	04:15	1.3	0
				08/03/2024	04:30	4	0	09/03/2024	04:30	2.7	0	10/03/2024	04:30	1.3	0
				08/03/2024	04:45	4	0	09/03/2024	04:45	2.7	0	10/03/2024	04:45	1.3	0
				08/03/2024	05:00	3.6	0	09/03/2024	05:00	2.7	0	10/03/2024	05:00	0.9	0
				08/03/2024	05:15	3.6	0	09/03/2024	05:15	2.2	0	10/03/2024	05:15	1.3	0
				08/03/2024	05:30	4	0	09/03/2024	05:30	2.7	0	10/03/2024	05:30	1.3	0
				08/03/2024	05:45	3.6	0	09/03/2024	05:45	2.2	0	10/03/2024	05:45	0.9	0
				08/03/2024	06:00	4	0	09/03/2024	06:00	2.2	0	10/03/2024	06:00	1.3	0
				08/03/2024	06:15	2.7	0	09/03/2024	06:15	3.1	0	10/03/2024	06:15	0.4	0
				08/03/2024	06:30	2.7	0	09/03/2024	06:30	2.7	0	10/03/2024	06:30	0.4	0
				08/03/2024	06:45	4	0	09/03/2024	06:45	2.2	0	10/03/2024	06:45	0.4	0
				08/03/2024	07:00	4	0	09/03/2024	07:00	2.7	0	10/03/2024	07:00	0.4	0
				08/03/2024	07:15	3.6	0	09/03/2024	07:15	2.2	0	10/03/2024	07:15	0.4	0
				08/03/2024	07:30	4	0	09/03/2024	07:30	2.7	0	10/03/2024	07:30	0.4	0
				08/03/2024	07:45	3.6	0	09/03/2024	07:45	2.7	0	10/03/2024	07:45	0.4	0
				08/03/2024	08:00	4	0	09/03/2024	08:00	2.2	0	10/03/2024	08:00	0.9	0
				08/03/2024	08:15	3.6	0	09/03/2024	08:15	2.7	0	10/03/2024	08:15	0.9	0.2
				08/03/2024	08:30	3.6	0	09/03/2024	08:30	2.7	0.4	10/03/2024	08:30	0.4	0
				08/03/2024	08:45	3.6	0	09/03/2024	08:45	3.1	0	10/03/2024	08:45	0.4	0
				08/03/2024	09:00	4.5	0	09/03/2024	09:00	2.7	0	10/03/2024	09:00	1.3	0
				08/03/2024	09:15	4.9	0	09/03/2024	09:15	2.2	0	10/03/2024	09:15	1.3	0
				08/03/2024	09:30	4.5	0	09/03/2024	09:30	1.8	0	10/03/2024	09:30	1.3	0
				08/03/2024	09:45	4.9	0	09/03/2024	09:45	2.2	0	10/03/2024	09:45	1.8	0
				08/03/2024	10:00	4.9	0	09/03/2024	10:00	2.2	0	10/03/2024	10:00	1.8	0
				08/03/2024	10:15	4.5	0	09/03/2024	10:15	2.2	0	10/03/2024	10:15	1.3	0
				08/03/2024	10:30	4.9	0	09/03/2024	10:30	1.8	0	10/03/2024	10:30	2.2	0
				08/03/2024	10:45	4.5	0	09/03/2024	10:45	2.7	0	10/03/2024	10:45	1.8	0
				08/03/2024	11:00	4.5	0	09/03/2024	11:00	3.6	0	10/03/2024	11:00	1.3	0
				08/03/2024	11:15	4	0	09/03/2024	11:15	4.5	0	10/03/2024	11:15	2.2	0
				08/03/2024	11:30	4	0	09/03/2024	11:30	3.6	0	10/03/2024	11:30	1.8	0
				08/03/2024	11:45	3.6	0	09/03/2024	11:45	3.1	0	10/03/2024	11:45	1.8	0
				08/03/2024	12:00	4	0	09/03/2024	12:00	2.7	0	10/03/2024	12:00	1.3	0
				08/03/2024	12:15	4	0	09/03/2024	12:15	1.8	0	10/03/2024	12:15	1.8	0
				08/03/2024	12:30	4	0	09/03/2024	12:30	2.7	0	10/03/2024	12:30	1.8	0
				08/03/2024	12:45	4.5	0	09/03/2024	12:45	2.7	0	10/03/2024	12:45	0.9	0
				08/03/2024	13:00	4	0	09/03/2024	13:00	1.8	0	10/03/2024	13:00	0.9	0
				08/03/2024	13:15	3.1	0	09/03/2024	13:15	2.2	0	10/03/2024	13:15	0.9	0
				08/03/2024	13:30	4	0	09/03/2024	13:30	2.7	0	10/03/2024	13:30	0.9	0
				08/03/2024	13:45	4	0	09/03/2024	13:45	2.7	0	10/03/2024	13:45	0.9	0
				08/03/2024	14:00	3.6	0	09/03/2024	14:00	2.2	0	10/03/2024	14:00	1.8	0
				08/03/2024	14:15	3.6	0	09/03/2024	14:15	2.2	0	10/03/2024	14:15	1.3	0
				08/03/2024	14:30	4	0	09/03/2024	14:30	1.8	0	10/03/2024	14:30	0.9	0
				08/03/2024	14:45	3.6	0	09/03/2024	14:45	1.8	0	10/03/2024	14:45	1.8	0
				08/03/2024	15:00	4.5	0	09/03/2024	15:00	1.8	0	10/03/2024	15:00	2.2	0
				08/03/2024	15:15	4.5	0	09/03/2024	15:15	1.8	0	10/03/2024	15:15	1.8	0
				08/03/2024	15:30	4	0	09/03/2024	15:30	1.8	0	10/03/2024	15:30	2.2	0
				08/03/2024	15:45	4.5	0	09/03/2024	15:45	2.7	0	10/03/2024	15:45	1.8	0
				08/03/2024	16:00	4.5	0	09/03/2024	16:00	2.7	0	10/03/2024	16:00	1.3	0
				08/03/2024	16:15	3.6	0	09/03/2024	16:15	2.2	0	10/03/2024	16:15	0.9	0
				08/03/2024	16:30	3.6	0	09/03/2024	16:30	2.2	0	10/03/2024	16:30	0.9	0
				08/03/2024	16:45	3.6	0	09/03/2024	16:45	1.8	0	10/03/2024	16:45	0.4	0
				08/03/2024	17:00	4	0	09/03/2024	17:00	0.9	0	10/03/2024	17:00	0	0
				08/03/2024	17:15	4	0	09/03/2024	17:15	1.8	0	10/03/2024	17:15	0	0
				08/03/2024	17:30	4.5	0	09/03/2024	17:30	2.2	0	10/03/2024	17:30	0.4	0
				08/03/2024	17:45	3.6	0	09/03/2024	17:45	1.8	0	10/03/2024	17:45	0	0
07/03/2024	18:00	3.6	0	08/03/2024	18:00	3.6	0	09/03/2024	18:00	2.2	0	10/03/2024	18:00	0	0
07/03/2024	18:15	3.6	0	08/03/2024	18:15	3.1	0	09/03/2024	18:15	2.2	0	10/03/2024	18:15	0	0
07/03/2024	18:30	3.1	0	08/03/2024	18:30	3.1	0	09/03/2024	18:30	2.7	0	10/03/2024	18:30	0	0
07/03/2024	18:45	3.1	0	08/03/2024	18:45	2.7	0	09/03/2024	18:45	2.2	0	10/03/2024	18:45	0.4	0
07/03/2024	19:00	3.6	0	08/03/2024	19:00	3.1	0	09/03/2024	19:00	3.1	0	10/03/2024	19:00	0	0
07/03/2024	19:15	3.6	0	08/03/2024	19:15	3.1	0	09/03/2024	19:15	2.7	0	10/03/2024	19:15	0	0
07/03/2024	19:30	3.6	0	08/03/2024	19:30	3.1	0	09/03/2024	19:30	3.1	0.6	10/03/2024	19:30	0	0
07/03/2024	19:45	3.6	0	08/03/2024	19:45	3.1	0	09/03/2024	19:45	1.8	0.2	10/03/2024	19:45	0	0
07/03/2024	20:00	4	0	08/03/2024	20:00	3.1	0	09/03/2024	20:00	2.2	0	10/03/2024	20:00	0	0
07/03/2024	20:15	3.6	0	08/03/2024	20:15	2.2	0	09/03/2024	20:15	2.7	0.2	10/03/2024	20:15	0.4	0
07/03/2024	20:30	3.6	0	08/03/2024	20:30	3.1	0	09/03/2024	20:30	2.2	0	10/03/2024	20:30	0.9	0
07/03/2024	20:45	3.1	0	08/03/2024	20:45	4	0	09/03/2024	20:45	2.7	0	10/03/2024	20:45	0.4	0
07/03/2024	21:00	3.6	0	08/03/2024	21:00	4	0	09/03/2024	21:00	2.2	0	10/03/2024	21:00	0.4	0
07/03/2024	21:15	4	0	08/03/2024	21:15	3.6	0	09/03/2024	21:15	2.7	0	10/03/2024	21:15	0	0
07/03/2024	21:30	4	0	08/03/2024	21:30	3.1	0	09/03/2024	21:30	2.7	0	10/03/2024	21:30	0.4	0
07/03/2024	21:45	4	0	08/03/2024	21:45	3.6	0	09/03/2024	21:45	2.7	0.2	10/03/2024	21:45	0.4	0
07/03/2024	22:00	4	0	08/03/2024	22:00	3.6	0	09/03/2024	22:00	2.7	0.2	10/03/2024	22:00	0.4	0
07/03/2024	22:15	4.5	0	08/03/2024	22:15	3.6	0	09/03/2024	22:15	2.7	0.2	10/03/2024	22:15	0.4	0
07/03/2024	22:30	4	0	08/03/2024	22:30	3.1	0	09/03/2024	22:30	2.7	0	10/03/2024	22:30	0.4	0
07/03/2024	22:45	3.6	0	08/03/2024	22:45	3.6	0	09/03/2024	22:45	1.8	0.2	10/03/2024	22:45	0	0
07/03/2024	23:00	3.1	0	08/03/2024	23:00	3.1	0	09/03/2024	23:00	1.8	0	10/03/2024	23:00	0	0
07/03/2024	23:15	3.6	0	08/03/2024	23:15	3.1	0	09/03/2024	23:15	1.3	0.2	10/03/2024	23:15	0	0
07/03/2024	23:30	4	0	08/03/2024	23:30	3.1	0	09/03/2024	23:30	1.8	0	10/03/2024	23:30	0	0
07/03/2024	23:45	3.1	0	08/03/2024	23:45	3.1	0	09/03/2024	23:45	1.8	0.2	10/03/2024	23:45	0	0

Table C1: Meteorological Survey Results cont'

Date	Time	Wind	Rain	Date	Time	Wind	Rain	Date	Time	Wind	Rain	Date	Time	Wind	Rain
		Speed m/s	mm			Speed m/s	mm			Speed m/s	mm			Speed m/s	mm
11/03/2024	00:00	0.4	0	12/03/2024	00:00	1.8	0	13/03/2024	00:00	3.1	0	14/03/2024	00:00	1.3	0
11/03/2024	00:15	0.4	0	12/03/2024	00:15	1.8	0	13/03/2024	00:15	2.7	0	14/03/2024	00:15	3.6	0
11/03/2024	00:30	0.4	0	12/03/2024	00:30	2.2	0	13/03/2024	00:30	2.7	0	14/03/2024	00:30	3.6	0
11/03/2024	00:45	0.4	0	12/03/2024	00:45	2.7	0	13/03/2024	00:45	2.2	0	14/03/2024	00:45	3.1	0
11/03/2024	01:00	0.4	0	12/03/2024	01:00	2.7	0.2	13/03/2024	01:00	2.2	0	14/03/2024	01:00	2.7	0
11/03/2024	01:15	0	0	12/03/2024	01:15	2.2	0.2	13/03/2024	01:15	1.8	0	14/03/2024	01:15	3.1	0
11/03/2024	01:30	0	0	12/03/2024	01:30	1.8	0.4	13/03/2024	01:30	1.3	0	14/03/2024	01:30	3.1	0
11/03/2024	01:45	0	0	12/03/2024	01:45	1.8	0.2	13/03/2024	01:45	1.8	0	14/03/2024	01:45	2.2	0
11/03/2024	02:00	0	0	12/03/2024	02:00	2.7	0.2	13/03/2024	02:00	1.8	0	14/03/2024	02:00	2.7	0
11/03/2024	02:15	0	0	12/03/2024	02:15	2.2	0.2	13/03/2024	02:15	1.3	0	14/03/2024	02:15	2.7	0
11/03/2024	02:30	0	0	12/03/2024	02:30	2.2	0.2	13/03/2024	02:30	1.3	0	14/03/2024	02:30	2.7	0
11/03/2024	02:45	0	0	12/03/2024	02:45	2.2	0.6	13/03/2024	02:45	1.3	0	14/03/2024	02:45	2.7	0
11/03/2024	03:00	0	0	12/03/2024	03:00	3.1	0.4	13/03/2024	03:00	1.8	0	14/03/2024	03:00	2.7	0
11/03/2024	03:15	0	0	12/03/2024	03:15	2.7	0.2	13/03/2024	03:15	1.8	0	14/03/2024	03:15	2.2	0
11/03/2024	03:30	0	0	12/03/2024	03:30	1.8	0.4	13/03/2024	03:30	1.8	0	14/03/2024	03:30	2.2	0
11/03/2024	03:45	0	0	12/03/2024	03:45	2.7	0.6	13/03/2024	03:45	2.2	0	14/03/2024	03:45	1.3	0
11/03/2024	04:00	0	0	12/03/2024	04:00	2.2	0.6	13/03/2024	04:00	1.8	0	14/03/2024	04:00	0.9	0
11/03/2024	04:15	0	0	12/03/2024	04:15	1.8	0.4	13/03/2024	04:15	1.8	0	14/03/2024	04:15	0.4	0
11/03/2024	04:30	0	0	12/03/2024	04:30	0.9	0.8	13/03/2024	04:30	2.2	0	14/03/2024	04:30	0	0
11/03/2024	04:45	0	0	12/03/2024	04:45	0.9	0.6	13/03/2024	04:45	2.7	0	14/03/2024	04:45	0.4	0
11/03/2024	05:00	0	0	12/03/2024	05:00	0.9	1.2	13/03/2024	05:00	1.8	0	14/03/2024	05:00	3.6	0
11/03/2024	05:15	0	0	12/03/2024	05:15	1.8	1.2	13/03/2024	05:15	2.7	0	14/03/2024	05:15	3.6	0
11/03/2024	05:30	0	0	12/03/2024	05:30	1.8	0.8	13/03/2024	05:30	4	0	14/03/2024	05:30	3.1	0
11/03/2024	05:45	0	0	12/03/2024	05:45	2.7	0.8	13/03/2024	05:45	4	0	14/03/2024	05:45	2.2	0
11/03/2024	06:00	0	0	12/03/2024	06:00	1.8	0.6	13/03/2024	06:00	4	0	14/03/2024	06:00	0.9	0
11/03/2024	06:15	0	0	12/03/2024	06:15	2.7	0.2	13/03/2024	06:15	4	0	14/03/2024	06:15	1.3	0
11/03/2024	06:30	0	0	12/03/2024	06:30	4.9	0.2	13/03/2024	06:30	4.5	0	14/03/2024	06:30	2.7	0
11/03/2024	06:45	0.4	0	12/03/2024	06:45	4.9	0	13/03/2024	06:45	4.9	0	14/03/2024	06:45	2.2	0
11/03/2024	07:00	0.4	0	12/03/2024	07:00	5.4	0.2	13/03/2024	07:00	4.5	0	14/03/2024	07:00	2.2	0.2
11/03/2024	07:15	0.9	0	12/03/2024	07:15	5.8	0.2	13/03/2024	07:15	4	0	14/03/2024	07:15	2.7	0
11/03/2024	07:30	0.9	0	12/03/2024	07:30	5.4	0	13/03/2024	07:30	3.6	0	14/03/2024	07:30	3.1	0
11/03/2024	07:45	0.4	0	12/03/2024	07:45	5.4	0.4	13/03/2024	07:45	3.1	0	14/03/2024	07:45	2.2	0
11/03/2024	08:00	0.9	0	12/03/2024	08:00	4.5	0.2	13/03/2024	08:00	4	0	14/03/2024	08:00	2.7	0
11/03/2024	08:15	1.3	0	12/03/2024	08:15	4.9	0	13/03/2024	08:15	3.6	0	14/03/2024	08:15	1.8	0.2
11/03/2024	08:30	0.9	0	12/03/2024	08:30	4.9	0.2	13/03/2024	08:30	3.6	0	14/03/2024	08:30	1.8	0.4
11/03/2024	08:45	0.9	0	12/03/2024	08:45	5.4	0.4	13/03/2024	08:45	3.6	0	14/03/2024	08:45	1.8	0.4
11/03/2024	09:00	1.3	0	12/03/2024	09:00	5.4	0.2	13/03/2024	09:00	3.6	0	14/03/2024	09:00	2.7	0
11/03/2024	09:15	1.8	0	12/03/2024	09:15	5.4	0.4	13/03/2024	09:15	3.6	0	14/03/2024	09:15	3.1	0
11/03/2024	09:30	1.3	0	12/03/2024	09:30	4.9	0.4	13/03/2024	09:30	4	0	14/03/2024	09:30	3.1	0
11/03/2024	09:45	0.9	0	12/03/2024	09:45	4.9	0.2	13/03/2024	09:45	4	0	14/03/2024	09:45	3.1	0.2
11/03/2024	10:00	1.3	0	12/03/2024	10:00	5.8	0	13/03/2024	10:00	4	0	14/03/2024	10:00	1.8	0
11/03/2024	10:15	1.3	0	12/03/2024	10:15	5.4	0.2	13/03/2024	10:15	4	0	14/03/2024	10:15	0.4	0
11/03/2024	10:30	0.9	0	12/03/2024	10:30	6.3	0.2	13/03/2024	10:30	4	0	14/03/2024	10:30	0.4	0
11/03/2024	10:45	1.3	0	12/03/2024	10:45	5.8	0	13/03/2024	10:45	4.5	0	14/03/2024	10:45	2.7	0
11/03/2024	11:00	1.8	0	12/03/2024	11:00	5.4	0	13/03/2024	11:00	4.5	0	14/03/2024	11:00	4.5	0
11/03/2024	11:15	1.8	0	12/03/2024	11:15	5.8	0	13/03/2024	11:15	4.9	0	14/03/2024	11:15	4	0
11/03/2024	11:30	1.3	0	12/03/2024	11:30	5.8	0	13/03/2024	11:30	5.4	0	14/03/2024	11:30	3.6	0
11/03/2024	11:45	1.3	0	12/03/2024	11:45	5.4	0	13/03/2024	11:45	4.9	0	14/03/2024	11:45	2.7	0
11/03/2024	12:00	0.9	0	12/03/2024	12:00	4.9	0	13/03/2024	12:00	4.5	0	14/03/2024	12:00	1.8	0
11/03/2024	12:15	0.9	0	12/03/2024	12:15	5.4	0	13/03/2024	12:15	4	0	14/03/2024	12:15	2.7	0
11/03/2024	12:30	0.4	0	12/03/2024	12:30	4.9	0	13/03/2024	12:30	4.5	0	14/03/2024	12:30	3.6	0
11/03/2024	12:45	0.4	0	12/03/2024	12:45	4.9	0	13/03/2024	12:45	4.5	0	14/03/2024	12:45	3.1	0
11/03/2024	13:00	0.9	0	12/03/2024	13:00	4.5	0	13/03/2024	13:00	4.9	0	14/03/2024	13:00	3.1	0
11/03/2024	13:15	1.3	0	12/03/2024	13:15	4.9	0	13/03/2024	13:15	4.5	0	14/03/2024	13:15	3.6	0
11/03/2024	13:30	0.9	0	12/03/2024	13:30	5.4	0	13/03/2024	13:30	4	0	14/03/2024	13:30	3.1	0
11/03/2024	13:45	0.9	0	12/03/2024	13:45	5.4	0	13/03/2024	13:45	4.9	0	14/03/2024	13:45	3.1	0
11/03/2024	14:00	0.9	0	12/03/2024	14:00	4.5	0	13/03/2024	14:00	4.5	0	14/03/2024	14:00	2.7	0.2
11/03/2024	14:15	2.2	0	12/03/2024	14:15	4.9	0	13/03/2024	14:15	4	0	14/03/2024	14:15	2.7	0
11/03/2024	14:30	2.7	0	12/03/2024	14:30	4.9	0	13/03/2024	14:30	3.6	0	14/03/2024	14:30	2.2	0
11/03/2024	14:45	2.2	0	12/03/2024	14:45	5.4	0.4	13/03/2024	14:45	4	0	14/03/2024	14:45	1.8	0
11/03/2024	15:00	2.2	0	12/03/2024	15:00	4.9	0.6	13/03/2024	15:00	4.9	0	14/03/2024	15:00	1.8	0.4
11/03/2024	15:15	2.2	0	12/03/2024	15:15	4.5	0	13/03/2024	15:15	4.9	0	14/03/2024	15:15	2.7	0.4
11/03/2024	15:30	2.7	0	12/03/2024	15:30	4.9	0	13/03/2024	15:30	4	0	14/03/2024	15:30	3.1	0
11/03/2024	15:45	1.8	0	12/03/2024	15:45	4.9	0	13/03/2024	15:45	4	0	14/03/2024	15:45	2.2	0.2
11/03/2024	16:00	0.9	0	12/03/2024	16:00	5.4	0	13/03/2024	16:00	4	0	14/03/2024	16:00	2.2	0.2
11/03/2024	16:15	1.3	0	12/03/2024	16:15	4.9	0	13/03/2024	16:15	2.7	0	14/03/2024	16:15	1.8	0.2
11/03/2024	16:30	1.8	0	12/03/2024	16:30	5.4	0	13/03/2024	16:30	2.2	0	14/03/2024	16:30	1.3	0.2
11/03/2024	16:45	1.8	0	12/03/2024	16:45	4.5	0	13/03/2024	16:45	3.1	0	14/03/2024	16:45	1.8	0
11/03/2024	17:00	1.8	0	12/03/2024	17:00	4.5	0	13/03/2024	17:00	4	0	14/03/2024	17:00	2.2	0
11/03/2024	17:15	2.2	0	12/03/2024	17:15	4.9	0	13/03/2024	17:15	3.6	0	14/03/2024	17:15	2.7	0
11/03/2024	17:30	1.8	0	12/03/2024	17:30	4.5	0	13/03/2024	17:30	3.1	0	14/03/2024	17:30	2.2	0
11/03/2024	17:45	1.3	0	12/03/2024	17:45	4	0	13/03/2024	17:45	2.7	0	14/03/2024	17:45	2.2	0
11/03/2024	18:00	1.3	0	12/03/2024	18:00	4.5	0	13/03/2024	18:00	4.5	0	14/03/2024	18:00	3.1	1.2
11/03/2024	18:15	1.8	0	12/03/2024	18:15	4.5	0	13/03/2024	18:15	3.6	0	14/03/2024	18:15	2.2	0
11/03/2024	18:30	1.8	0	12/03/2024	18:30	4.5	0	13/03/2024	18:30	3.1	0	14/03/2024	18:30	3.1	0
11/03/2024	18:45	1.8	0	12/03/2024	18:45	4	0	13/03/2024	18:45	3.1	0	14/03/2024	18:45	2.7	0
11/03/2024	19:00	1.3	0	12/03/2024	19:00	4	0	13/03/2024	19:00	3.6	0	14/03/2024	19:00	2.7	0
11/03/2024	19:15	0.9	0	12/03/2024	19:15	4	0	13/03/2024	19:15	3.6	0	14/03/2024	19:15	2.2	0
11/03/2024	19:30	0.4	0	12/03/2024	19:30	4.5	0	13/03/2024	19:30	1.8	0	14/03/2024	19:30	2.7	0
11/03/2024	19:45	0.9	0	12/03/2024	19:45	4	0	13/03/2024	19:45	2.7	0	14/03/2024	19:45	2.2	0
11/03/2024	20:00	1.3	0	12/03/2024	20:00	4	0	13/03/2024	20:00	3.1	0	14/03/2024	20:00	2.7	0.2
11/03/2024	20:15	1.3	0	12/03/2024	20:15	4.5	0	13/03/2024	20:15	2.2	0	14/03/2024	20:15	2.2	0.2
11/03/2024	20:30	1.8	0	12/03/2024	20:30	4	0	13/03/2024	20:30	1.3	0	14/03/2024	20:30	2.7	0
11/03/2024	20:45	1.3	0	12/03/2024	20:45	4.5	0	13/03/2024	20:45	1.8	0	14/03/2024	20:45	1.8	0
11/03/2024	21:00	0.9	0	12/03/2024	21:00	4.5	0	13/03/2024	21:00	2.7	0	14/03/2024	21:00	2.2	0.2
11/03/2024	21:15	1.3	0	12/03/2024	21:15	4.5	0	13/03/2024	21:15	1.8	0	14/03/2024	21:15	3.1	0.2
11/03/2024	21:30	1.8	0	12/03/2024	21:30	3.6	0	13/03/2024	21:30	3.6	0	14/03/2024	21:30	1.8	0.2
11/03/2024	21:45	2.2	0	12/03/2024	21:45	3.1	0	13/03/2024	21:45	3.1	0	14/03/2024	21:45	1.8	0
11/03/2024	22:00	1.3	0	12/03/2024	22:00	2.7	0	13/03/2024	22:00	3.1	0	14/03/2024	22:00	1.3	0
11/03/2024	22:15	0.9	0	12/03/2024	22:15	2.7	0	13/03/2024	22:15	2.2	0	14/03/2024	22:15	1.3	0
11/03/2024	22:30	0.4	0	12/03/2024	22:30	2.2	0	13/03/2024	22:30	1.3	0	14/03/2024	22:30	1.8	0.2
11/03/2024	22:45	0	0	12/03/2024	22:45	2.7	0	13/03/2024	22:45	0.4	0	14/03/2024	22:45	2.7	0.8
11/03/2024	23:00	0	0	12/03/2024	23:00	2.7	0	13/03/2024	23:00	0	0	14/03/2024	23:00	2.7	0
11/03/2024	23:15	0.9	0	12/03/2024	23:15	2.2	0	13/03/2024	23:15	0.9	0	14/03/2024	23:15	2.7	0
11/03/2024	23:30	1.8	0	12/03/2024	23:30	2.2	0	13/03/2024	23:30	2.2	0	14/03/2024	23:30	2.7	0
11/03/2024	23:45	1.8	0	12/03/2024	23:45	3.1	0	13/03/2024	23:45	2.7	0	14/03/2024	23:45	3.1	0

Table C1: Meteorological Survey Results cont'

Date	Time	Wind	Rain	Date	Time	Wind	Rain	Date	Time	Wind	Rain	Date	Time	Wind	Rain
		Speed m/s	mm			Speed m/s	mm			Speed m/s	mm			Speed m/s	mm
15/03/2024	00:00	2.2	0	16/03/2024	00:00	0.4	0	17/03/2024	00:00	2.7	0	18/03/2024	00:00	0	0
15/03/2024	00:15	2.2	0	16/03/2024	00:15	0.9	0	17/03/2024	00:15	2.7	0.2	18/03/2024	00:15	0	0
15/03/2024	00:30	1.8	0	16/03/2024	00:30	0.4	0	17/03/2024	00:30	2.7	0.6	18/03/2024	00:30	0	0
15/03/2024	00:45	1.3	0	16/03/2024	00:45	0	0	17/03/2024	00:45	2.7	0.6	18/03/2024	00:45	0.4	0
15/03/2024	01:00	0.9	0	16/03/2024	01:00	0	0	17/03/2024	01:00	2.7	0.8	18/03/2024	01:00	0	0
15/03/2024	01:15	0.4	0	16/03/2024	01:15	0.4	0	17/03/2024	01:15	2.2	1	18/03/2024	01:15	0	0
15/03/2024	01:30	0.9	0	16/03/2024	01:30	0.9	0	17/03/2024	01:30	1.8	1	18/03/2024	01:30	0	0
15/03/2024	01:45	1.3	0	16/03/2024	01:45	0.4	0	17/03/2024	01:45	2.2	1	18/03/2024	01:45	0	0
15/03/2024	02:00	1.3	0.8	16/03/2024	02:00	0.9	0	17/03/2024	02:00	1.8	0.6	18/03/2024	02:00	0	0
15/03/2024	02:15	1.8	0.4	16/03/2024	02:15	0.4	0	17/03/2024	02:15	2.2	0.6	18/03/2024	02:15	0	0
15/03/2024	02:30	1.3	0	16/03/2024	02:30	0.9	0	17/03/2024	02:30	2.2	1.4	18/03/2024	02:30	0	0
15/03/2024	02:45	1.3	0	16/03/2024	02:45	0.9	0	17/03/2024	02:45	1.8	1.2	18/03/2024	02:45	0	0
15/03/2024	03:00	1.8	0	16/03/2024	03:00	0.4	0	17/03/2024	03:00	2.7	1.4	18/03/2024	03:00	0	0
15/03/2024	03:15	1.3	0	16/03/2024	03:15	0.4	0	17/03/2024	03:15	2.2	1	18/03/2024	03:15	0	0
15/03/2024	03:30	1.8	0	16/03/2024	03:30	0	0	17/03/2024	03:30	2.7	0.6	18/03/2024	03:30	0	0
15/03/2024	03:45	1.8	0	16/03/2024	03:45	0	0	17/03/2024	03:45	2.2	0.4	18/03/2024	03:45	0	0
15/03/2024	04:00	1.8	0	16/03/2024	04:00	0	0	17/03/2024	04:00	1.8	1	18/03/2024	04:00	0	0
15/03/2024	04:15	2.2	0	16/03/2024	04:15	0.4	0	17/03/2024	04:15	1.8	1.2	18/03/2024	04:15	0	0
15/03/2024	04:30	2.2	0	16/03/2024	04:30	0	0	17/03/2024	04:30	0.9	0.8	18/03/2024	04:30	0	0.2
15/03/2024	04:45	2.7	0	16/03/2024	04:45	0	0	17/03/2024	04:45	0.9	0.8	18/03/2024	04:45	0	0
15/03/2024	05:00	2.7	0	16/03/2024	05:00	0	0	17/03/2024	05:00	1.3	0.8	18/03/2024	05:00	0.4	0
15/03/2024	05:15	2.7	0	16/03/2024	05:15	0	0	17/03/2024	05:15	1.3	0.8	18/03/2024	05:15	0	0
15/03/2024	05:30	2.7	0	16/03/2024	05:30	0.4	0	17/03/2024	05:30	0.9	1	18/03/2024	05:30	0	0
15/03/2024	05:45	2.7	0	16/03/2024	05:45	0.4	0	17/03/2024	05:45	0.4	0.4	18/03/2024	05:45	0	0
15/03/2024	06:00	2.7	0	16/03/2024	06:00	0.4	0	17/03/2024	06:00	0	0.6	18/03/2024	06:00	0	0
15/03/2024	06:15	2.7	0.2	16/03/2024	06:15	0.4	0	17/03/2024	06:15	0	0.2	18/03/2024	06:15	0	0
15/03/2024	06:30	3.1	0	16/03/2024	06:30	0	0	17/03/2024	06:30	0.4	0	18/03/2024	06:30	0.4	0
15/03/2024	06:45	4	0	16/03/2024	06:45	0	0	17/03/2024	06:45	0	0	18/03/2024	06:45	1.3	0
15/03/2024	07:00	3.6	0	16/03/2024	07:00	0	0	17/03/2024	07:00	0	0	18/03/2024	07:00	1.3	0
15/03/2024	07:15	4	0	16/03/2024	07:15	0	0	17/03/2024	07:15	0	0	18/03/2024	07:15	1.3	0
15/03/2024	07:30	4.5	0	16/03/2024	07:30	0	0	17/03/2024	07:30	0	0	18/03/2024	07:30	1.8	0
15/03/2024	07:45	3.6	0	16/03/2024	07:45	0	0	17/03/2024	07:45	0.9	0.2	18/03/2024	07:45	1.8	0
15/03/2024	08:00	3.6	0	16/03/2024	08:00	0.4	0	17/03/2024	08:00	0.9	0	18/03/2024	08:00	1.8	0
15/03/2024	08:15	4	0	16/03/2024	08:15	1.3	0	17/03/2024	08:15	0.9	0	18/03/2024	08:15	2.7	0
15/03/2024	08:30	4	0	16/03/2024	08:30	1.8	0	17/03/2024	08:30	0.9	0.2	18/03/2024	08:30	2.7	0
15/03/2024	08:45	4	0	16/03/2024	08:45	1.3	0	17/03/2024	08:45	0	0	18/03/2024	08:45	1.8	0
15/03/2024	09:00	4	0	16/03/2024	09:00	1.3	0	17/03/2024	09:00	0	0	18/03/2024	09:00	1.8	0
15/03/2024	09:15	4	0	16/03/2024	09:15	1.3	0	17/03/2024	09:15	0	0	18/03/2024	09:15	1.8	0
15/03/2024	09:30	3.6	0	16/03/2024	09:30	1.8	0	17/03/2024	09:30	0	0	18/03/2024	09:30	1.8	0.2
15/03/2024	09:45	3.6	0	16/03/2024	09:45	2.2	0	17/03/2024	09:45	0	0	18/03/2024	09:45	2.7	0
15/03/2024	10:00	3.6	0	16/03/2024	10:00	2.2	0	17/03/2024	10:00	0.9	0	18/03/2024	10:00	2.7	0
15/03/2024	10:15	4	0	16/03/2024	10:15	1.8	0	17/03/2024	10:15	1.3	0	18/03/2024	10:15	2.2	0
15/03/2024	10:30	4.5	0	16/03/2024	10:30	1.8	0	17/03/2024	10:30	1.8	0	18/03/2024	10:30	2.2	0
15/03/2024	10:45	4.5	0	16/03/2024	10:45	2.2	0	17/03/2024	10:45	1.8	0	18/03/2024	10:45	2.2	0
15/03/2024	11:00	4	0	16/03/2024	11:00	2.2	0	17/03/2024	11:00	1.8	0	18/03/2024	11:00	2.2	0
15/03/2024	11:15	4	0	16/03/2024	11:15	3.1	0	17/03/2024	11:15	2.7	0	18/03/2024	11:15	1.8	0
15/03/2024	11:30	3.6	0	16/03/2024	11:30	2.7	0	17/03/2024	11:30	2.7	0	18/03/2024	11:30	2.2	0
15/03/2024	11:45	3.6	0	16/03/2024	11:45	1.8	0	17/03/2024	11:45	2.2	0	18/03/2024	11:45	2.7	0
15/03/2024	12:00	4.9	0.2	16/03/2024	12:00	2.7	0	17/03/2024	12:00	3.6	0	18/03/2024	12:00	3.1	0
15/03/2024	12:15	4.5	0	16/03/2024	12:15	2.7	0	17/03/2024	12:15	4	0	18/03/2024	12:15	2.7	0
15/03/2024	12:30	4.5	0	16/03/2024	12:30	2.2	0	17/03/2024	12:30	3.6	0	18/03/2024	12:30	2.2	0
15/03/2024	12:45	4.9	0	16/03/2024	12:45	2.7	0	17/03/2024	12:45	3.6	0	18/03/2024	12:45	3.1	0
15/03/2024	13:00	5.4	0	16/03/2024	13:00	3.6	0	17/03/2024	13:00	4.5	0	18/03/2024	13:00	2.7	0
15/03/2024	13:15	4.9	0	16/03/2024	13:15	4	0	17/03/2024	13:15	4	0	18/03/2024	13:15	2.7	0
15/03/2024	13:30	4.9	0	16/03/2024	13:30	3.6	0	17/03/2024	13:30	4.5	0	18/03/2024	13:30	3.1	0
15/03/2024	13:45	4.9	0	16/03/2024	13:45	4	0	17/03/2024	13:45	3.6	0	18/03/2024	13:45	3.1	0
15/03/2024	14:00	4.5	0	16/03/2024	14:00	3.6	0	17/03/2024	14:00	3.6	0	18/03/2024	14:00	2.7	0
15/03/2024	14:15	5.4	0	16/03/2024	14:15	3.1	0	17/03/2024	14:15	3.6	0	18/03/2024	14:15	2.7	0
15/03/2024	14:30	4.9	0	16/03/2024	14:30	3.1	0.2	17/03/2024	14:30	3.6	0	18/03/2024	14:30	2.2	0
15/03/2024	14:45	4.9	0	16/03/2024	14:45	3.1	0	17/03/2024	14:45	4	0	18/03/2024	14:45	1.8	0
15/03/2024	15:00	4	0	16/03/2024	15:00	3.1	0.2	17/03/2024	15:00	4	0	18/03/2024	15:00	1.3	0
15/03/2024	15:15	4.5	0	16/03/2024	15:15	3.1	0.2	17/03/2024	15:15	2.2	0	18/03/2024	15:15	1.3	0
15/03/2024	15:30	3.6	0	16/03/2024	15:30	2.7	0.6	17/03/2024	15:30	3.1	0	18/03/2024	15:30	1.3	0
15/03/2024	15:45	4.5	0	16/03/2024	15:45	2.7	0.4	17/03/2024	15:45	3.1	0	18/03/2024	15:45	1.3	0
15/03/2024	16:00	4.5	0	16/03/2024	16:00	3.6	0.2	17/03/2024	16:00	3.6	0	18/03/2024	16:00	1.3	0
15/03/2024	16:15	3.6	0	16/03/2024	16:15	3.6	0.4	17/03/2024	16:15	3.6	0	18/03/2024	16:15	1.3	0
15/03/2024	16:30	3.6	0	16/03/2024	16:30	3.6	0	17/03/2024	16:30	2.7	0	18/03/2024	16:30	0.4	0
15/03/2024	16:45	2.7	0	16/03/2024	16:45	3.6	0	17/03/2024	16:45	2.7	0	18/03/2024	16:45	0.9	0
15/03/2024	17:00	2.7	0	16/03/2024	17:00	3.1	0	17/03/2024	17:00	3.6	0	18/03/2024	17:00	1.3	0
15/03/2024	17:15	1.8	0	16/03/2024	17:15	3.6	0	17/03/2024	17:15	2.7	0	18/03/2024	17:15	1.3	0
15/03/2024	17:30	0.9	0	16/03/2024	17:30	3.6	0	17/03/2024	17:30	3.6	0	18/03/2024	17:30	1.3	0
15/03/2024	17:45	1.3	0	16/03/2024	17:45	3.6	0	17/03/2024	17:45	2.7	0	18/03/2024	17:45	1.3	0
15/03/2024	18:00	0.9	0	16/03/2024	18:00	2.2	0	17/03/2024	18:00	2.7	0	18/03/2024	18:00	1.8	0
15/03/2024	18:15	1.3	0	16/03/2024	18:15	1.8	0	17/03/2024	18:15	1.8	0	18/03/2024	18:15	1.3	0
15/03/2024	18:30	2.2	0	16/03/2024	18:30	2.2	0	17/03/2024	18:30	1.3	0	18/03/2024	18:30	1.3	0
15/03/2024	18:45	2.2	0	16/03/2024	18:45	1.3	0	17/03/2024	18:45	1.3	0	18/03/2024	18:45	1.3	0
15/03/2024	19:00	1.8	0	16/03/2024	19:00	0.9	0.2	17/03/2024	19:00	1.3	0	18/03/2024	19:00	1.3	0
15/03/2024	19:15	1.8	0	16/03/2024	19:15	1.3	0	17/03/2024	19:15	1.8	0	18/03/2024	19:15	1.8	0
15/03/2024	19:30	1.8	0	16/03/2024	19:30	1.8	0	17/03/2024	19:30	1.3	0	18/03/2024	19:30	3.1	0
15/03/2024	19:45	1.3	0	16/03/2024	19:45	2.7	0	17/03/2024	19:45	1.8	0	18/03/2024	19:45	3.6	0
15/03/2024	20:00	0.9	0	16/03/2024	20:00	2.7	0	17/03/2024	20:00	1.3	0	18/03/2024	20:00	2.7	0
15/03/2024	20:15	1.3	0	16/03/2024	20:15	1.8	0	17/03/2024	20:15	1.3	0	18/03/2024	20:15	3.6	0
15/03/2024	20:30	1.3	0	16/03/2024	20:30	2.7	0	17/03/2024	20:30	0.9	0	18/03/2024	20:30	3.6	0
15/03/2024	20:45	0.4	0	16/03/2024	20:45	3.6	0	17/03/2024	20:45	1.3	0	18/03/2024	20:45	4.5	0
15/03/2024	21:00	0.4	0	16/03/2024	21:00	2.7	0	17/03/2024	21:00	0.9	0	18/03/2024	21:00	4.5	0
15/03/2024	21:15	0.9	0	16/03/2024	21:15	2.2	0	17/03/2024	21:15	0.9	0	18/03/2024	21:15	4.9	0
15/03/2024	21:30	0.4	0	16/03/2024	21:30	2.7	0	17/03/2024	21:30	0.9	0	18/03/2024	21:30	4.9	0
15/03/2024	21:45	0.4	0	16/03/2024	21:45	2.2	0	17/03/2024	21:45	0.4	0	18/03/2024	21:45	3.6	0
15/03/2024	22:00	0.4	0	16/03/2024	22:00	1.8	0	17/03/2024	22:00	0	0	18/03/2024	22:00	3.1	0
15/03/2024	22:15	0.4	0	16/03/2024	22:15	2.2	0	17/03/2024	22:15	0	0	18/03/2024	22:15	2.2	0
15/03/2024	22:30	0.4	0	16/03/2024	22:30	1.8	0	17/03/2024	22:30	0	0	18/03/2024	22:30	1.3	0
15/03/2024	22:45	0.4	0	16/03/2024	22:45	1.3	0	17/03/2024	22:45	0	0	18/03/2024	22:45	2.7	0
15/03/2024	23:00	0.4	0	16/03/2024	23:00	1.8	0	17/03/2024	23:00	0	0	18/03/2024	23:00	3.6	0
15/03/2024	23:15	0.9	0	16/03/2024	23:15	1.8	0	17/03/2024	23:15	0	0	18/03/2024	23:15	3.6	0
15/03/2024	23:30	0.4	0	16/03/2024	23:30	2.2	0.2	17/03/2024	23:30	0	0	18/03/2024	23:30	3.6	0
15/03/2024	23:45	0.4	0	16/03/2024	23:45	2.7	0	17/03/2024	23:45	0	0	18/03/2024	23:45	3.1	0

APPENDIX D: Plant Sound Power Levels

Table D1: Derived Plant Sound Power Levels