

## 10.5. Reconfiguration of Primrose Park

**AUTHOR:** David Manson, Manager Parks & Reserves

**ENDORSED BY:** Peter Massey, Acting Director Open Space and Environmental Services

### **ATTACHMENTS:**

1. Primrose Park - Concept Design [**10.5.1** - 3 pages]
2. Primrose Park - Parking Assessment [**10.5.2** - 34 pages]
3. Primrose Park Acoustic Assessment [**10.5.3** - 52 pages]

### **PURPOSE:**

This report presents a detailed summary of the Primrose Park Reconfiguration Project.

### **EXECUTIVE SUMMARY:**

The Primrose Park Reconfiguration project would enable Council to reconfigure the layout of the existing fields, resulting in the addition of an extra full-size sports field.

This project has been reported through Council's Sport and Recreation Reference group since May 2018.

At the last meeting of the Sport and Recreation Reference Group held on 15 November 2022 it was resolved to recommend:

1. THAT a report be provided to Council detailing the concept of the Primrose Park Reconfiguration Project including the results of the Traffic, Parking and Acoustic studies.

### **FINANCIAL IMPLICATIONS:**

Council has allocated \$50,000.00 in the 2022/23 budget for an initial concept design. Studies on the project's effects on traffic, parking and acoustics have also been a part of this budget.

Further to this, Council has allocated \$1,200,000.00 in Capital funding within the 2023/24 financial year for this project to be implemented.

### **RECOMMENDATION:**

1. **THAT** the Primrose Park Reconfiguration Project be endorsed for public exhibition for a minimum period of 42 days.
2. **THAT** a further report be provided to Council following the conclusion of the public exhibition period for the purpose of considering any submissions received and adopting the project.

## **LINK TO COMMUNITY STRATEGIC PLAN**

The relationship with the Community Strategic Plan is as follows:

1. Our Living Environment
- 1.4 Well utilised open space and recreational facilities

## **BACKGROUND**

Primrose Park is one of North Sydney's premier sportsgrounds and a significant area of urban bushland. Located on the foreshores of Willoughby Bay, the Park is popular with both residents and visitors due to its mix of sporting and other recreational facilities.

The three existing sportsfields are flood-lit and cater for football, rugby league, rugby union and cricket, as well as school sport and carnivals. There are tennis courts, cricket nets, change rooms, and toilets.

In May 2018, a report regarding the reconfiguration of Primrose Park was presented to the Sport and Recreation Reference Group. The Group resolved to recommend:

- 1. THAT the report on the Reconfiguration of Primrose Park be received.*
- 2. THAT a report be prepared to progress the preliminary planning and consultation in relation to the possible Reconfiguration of Primrose Park.*
- 3. THAT Council staff investigate all possibilities for State funding.*

At the Sport and Recreation Reference Group meeting held 20 May 2019 a report on the Reconfiguration of Primrose Park – Preliminary Planning was presented. The Reference Group and was resolved to recommend:

- 1. THAT the report in relation to the Reconfiguration of Primrose Park - Preliminary Planning be received.*

As part of Council's 2022/23 Capital Works program \$50,000.00 was allocated to preliminary studies including Traffic, Parking and Acoustic reports

The funding also allows for a draft concept plan for the relocation of the existing amenities block, to allow for the reconfiguration of the fields.

## **CONSULTATION REQUIREMENTS**

Community engagement will be undertaken in accordance with Council's Community Engagement Protocol.

## DETAIL

### Reconfiguration Concept

At present, the configuration of Primrose Park (as seen in Diagram 1, below) includes 3 playing fields running parallel to each other in an east-west direction.

The large turf area adjacent to Field 1 hosts a 60m x 40m soccer field used mainly on Saturdays during winter. The summer setup sees 4 synthetic cricket wickets, as shown in Diagram 2.

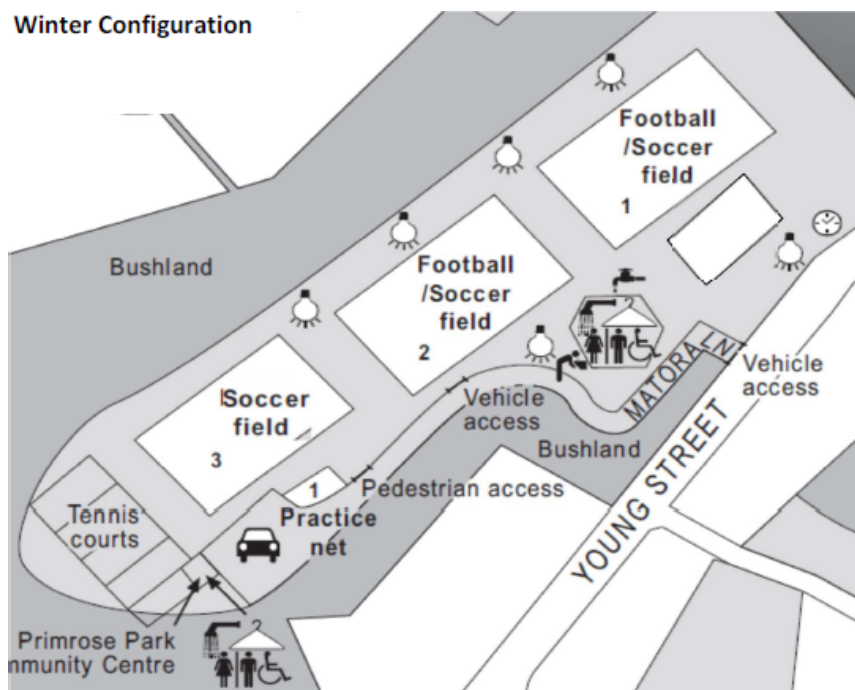


Diagram 1

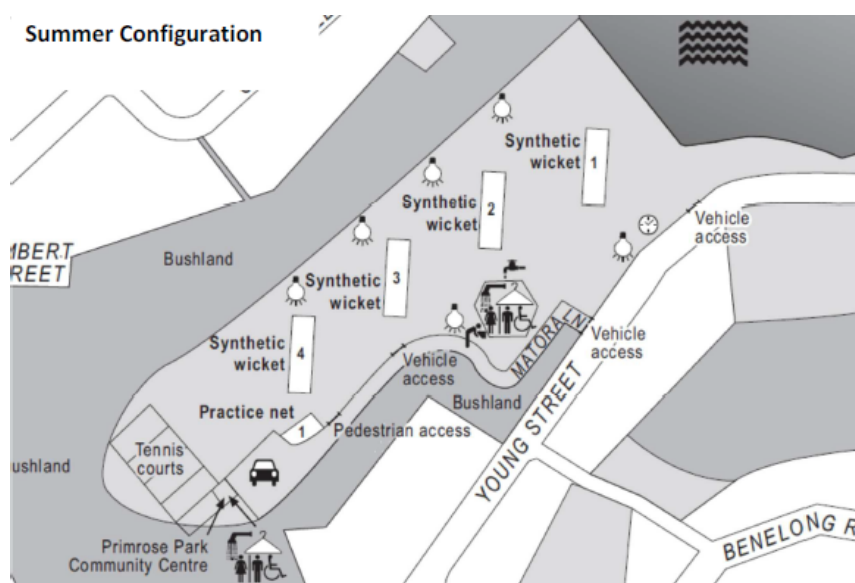


Diagram 2

Council staff have undertaken initial site investigations into the possibility of reconfiguring the Park to be able to host an additional full-size pitch. This could be done by rotating Field 1 to face north/south and adding another pitch opposite it, facing the same way.

To achieve this would require the removal of the existing amenities block as the new field location partially covers the existing amenities block.

Council engaged Sturt Noble and Associates to prepare a concept plan for the north-eastern end of the park to include:

- the additional sports field; and
- a potential location for a new amenities building.

Below is a snippet from the design that shows the new configuration and a location for the new amenities block. The full design can be seen in the attachment to this report.

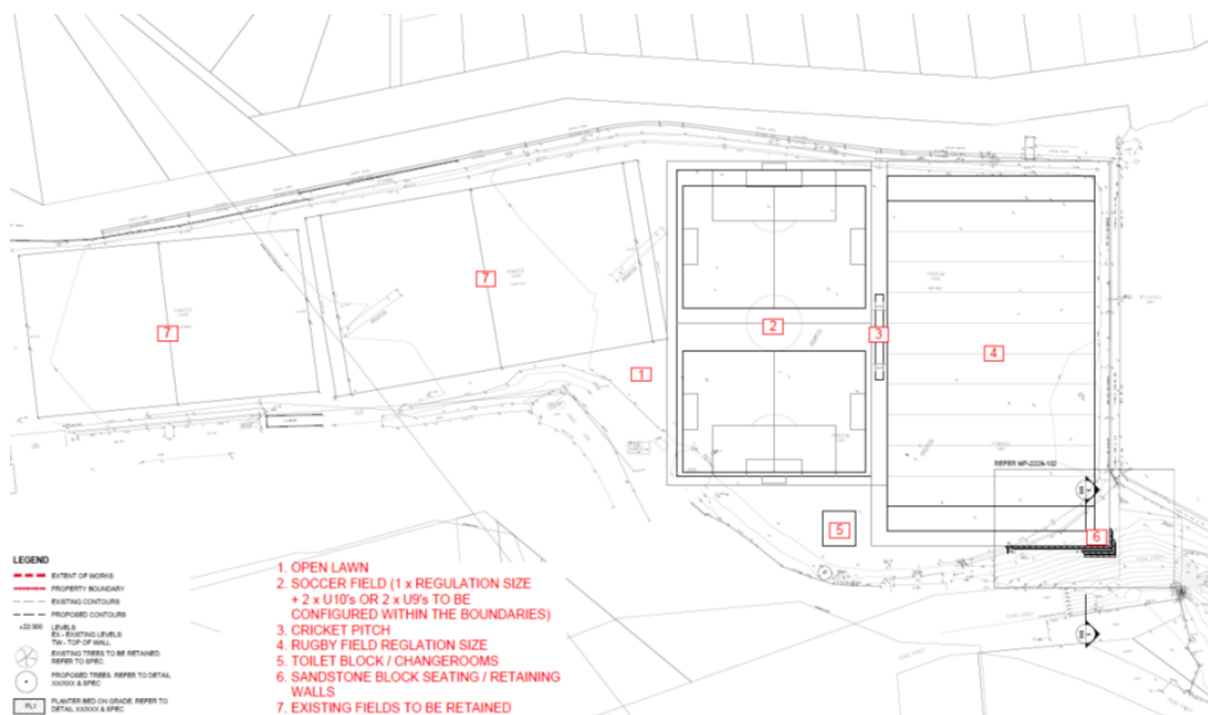


Diagram 3

The construction of a new amenities block would not require consent under NSW SEPP (Transport and Infrastructure) 2021, Chapter 2, Part 2.3 Division 12, Clause 2.73 (3) (vi) where change facilities may be constructed by Council or a Council contractor at a public reserve.

No changes to field lighting or irrigation would be required as the whole site is currently covered by these items. There would however be a need to build a retaining wall and some levelling of areas at the base of the slope from the Young Street Car Park and along the Middle Harbour edge of the field.

The current position of the 2 cricket pitches that reside within the vicinity of Field 1 would need to be changed. Their current proximity makes it impossible to use the pitches at the



same time, therefore rendering one unusable. Considering this it would be best to remove both and create a new pitch in between the 2 new fields. This can be seen in Diagram 4:

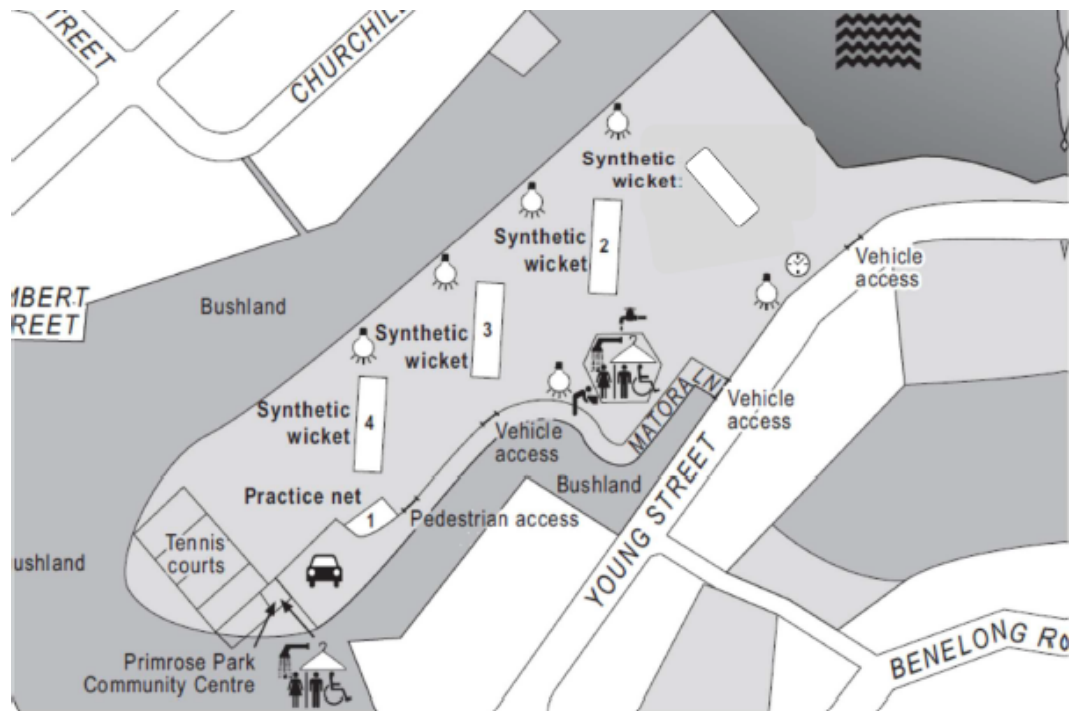


Diagram 4

The aerial shot depicted in Diagram 5 below shows these items in further detail:



Diagram 5

The addition of a new field would help assist in Council’s supply and demand issues. It would:

- increase the number of fields from 13 to 14 (a net increase of around 7.15%);
- increase the amount of sport able to be played; and
- present an opportunity to reduce the high impact hours on other fields, resulting in a better playing surface for longer periods.

### Traffic and Parking Report

AusWide Consulting was engaged by North Sydney Council to carry out a Traffic and Parking Assessment of the proposed improvements to Primrose Park, to identify the nature and scale of any additional traffic and parking implications that may occur on weekdays/nights and weekends because of the proposed reconfiguration.

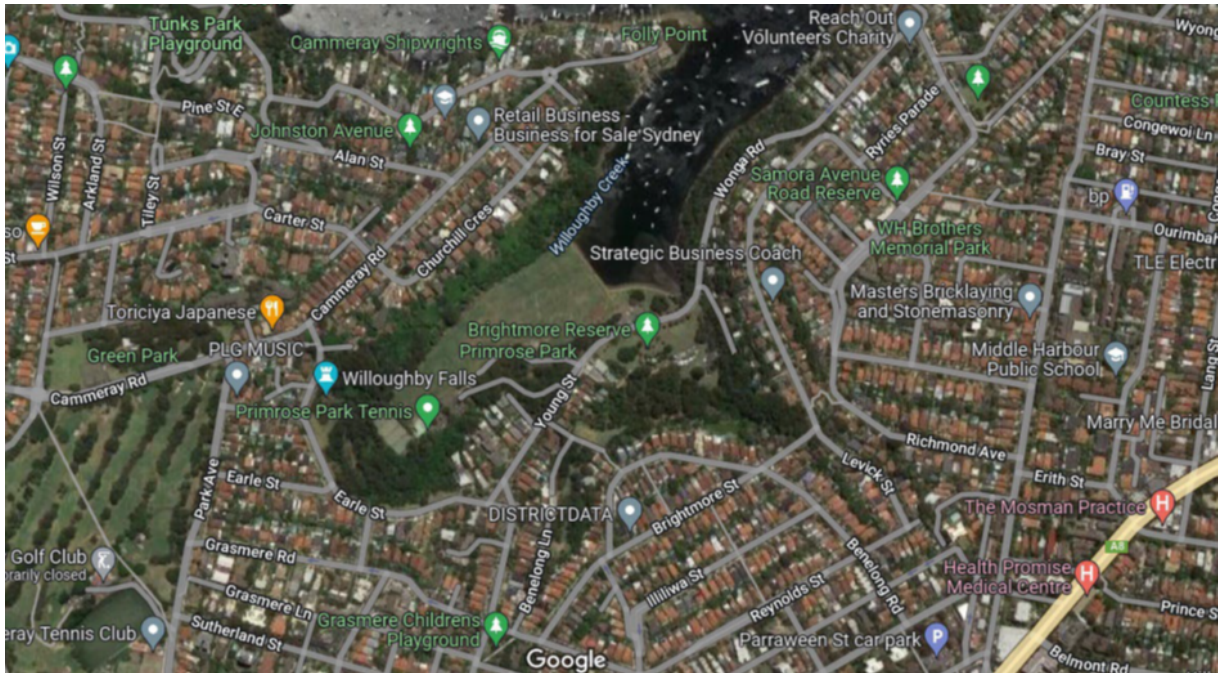
Below is a summary of their report. The full report is added as an attachment to this report.

The investigation and research into current use was undertaken during August 2022 whilst the current winter sporting season was operating as that is the sporting season that is most busy and will have the potential for the biggest impact as a result of any change. The subject

site and its surroundings were inspected, and all relevant traffic and parking data was collected and analyzed.

### Existing Road Network

Primrose Park is accessed via Young Street, Earle Street and Cammeray Street, as shown in the aerial view of Primrose Park and surrounding area below.



Based on the proposed reconfiguration it has been found that traffic generated by the additional field will not impact the operation of the local road network, notwithstanding that it may already be congested on Saturday mornings which is the peak time for junior sport. This traffic congestion is not inconsistent with most sporting fields across the Sydney metropolitan area and as such the increase in fields will not exacerbate any current congestion, either through traffic or users of the complex, in the surrounding residential area.

Sporting traffic may continue to cause temporary annoyance to the residents close to the Park but as this is transient to Saturday morning winter months, many residents will already have measures in place to ensure they are not unduly inconvenienced.

### Car Parking Assessment

Based on a review of the area the major concern would be the impact that the addition of an extra field would have on parking, and whether the increased development would trigger the need for additional off-street parking to accommodate the demand.

To determine any impact the potential increased activity might have on the existing parking options (both on-street and off-street), a parking survey was carried out to determine the occupancy rate of the available parking areas within the vicinity.

This parking survey involved counts carried out on a Thursday afternoon (11 August 2022) between 4 pm and 9 pm and Saturday (6 August 2022) between 8 am and 4 pm. The number of unused spaces was recorded each hour during these times. The study found that:

- There was a total of 483 car parking spaces available within a reasonable walking catchment of the sporting fields.
- The maximum occupancy rate was 85% during the period 9 am to 11 am on a Saturday morning, leaving at least 70 available spaces available to new users.
- Outside this time occupancy rates dropped to as low as 58% on a Saturday.
- During midweek afternoons the maximum occupancy rate was 68% at around 7 pm, leaving at least 153 parking spaces available.

With respect to the two carparks:

- Carpark Two (CP2), off Young Street: the 27 spaces were fully occupied up until 12noon. Outside of this it dropped to around 67% occupancy.
- Carpark One (CP1), adjacent to the tennis courts, was only fully occupied between 10am and 11am. Outside of these times the occupancy rate fell to 26%.

Full details of the survey are provided in Attachment 2.

Based on the survey results, it is the consultant's view that whilst parking on a Saturday morning is in high demand there are sufficient parking spaces available within a reasonable walking distance to accommodate the increase demand that may be generated by the additional field.

### **Acoustic Assessment**

Pulse White Noise Acoustics (PWNA) was engaged to undertake a noise impact assessment of the potential reconfiguration of the Primrose Park Sporting Fields. Below is a summary of their report. The full report comprises Attachment 3.

### **Assessment Strategy**

To quantify the noise impacts to the nearest residential receivers resulting from the sports field reconfiguration, both the existing configuration and the proposed configuration have been modelled using iNoise V2022.1 modelling software. This software is an intuitive and quality-assured software used for measuring noise calculations in the environment. The iNoise software allows a 3D computational model of the site and surrounding area to be created. Inputs into the noise model included terrain, ground absorption, buildings, fences, receiver locations and noise sources. Any increase in noise emissions due to the reconfiguration could thus be quantified and used to determine whether these increases were significant enough to cause concern for surrounding receivers.



## Nearest Sensitive Receivers

Several potentially impacted noise receivers are in the vicinity of the subject site. The receivers in this report are considered representative of the closest off-site sensitive receivers for the Primrose Park Sports Fields. The receivers utilised for noise predictions in this report are listed below:

Receiver ID	Address	Type of Receiver
R1	29 Churchill Crescent, Cammeray NSW 2062	Residential
R2	23 Churchill Crescent, Cammeray NSW 2062	Residential
R3	15 Churchill Crescent, Cammeray NSW 2062	Residential
R4	9 Churchill Crescent, Cammeray NSW 2062	Residential
R5	5 Churchill Crescent, Cammeray NSW 2062	Residential
R6	50-52 Earle Street, Cremorne NSW 2090	Residential
R7	106 Young Street, Cremorne NSW 2090	Residential
R8	112 Young Street, Cremorne NSW 2090	Residential
R9	139 Young Street, Cremorne NSW 2090	Residential
R10	147 Young Street, Cremorne NSW 2090	Residential
R11	153 Young Street, Cremorne NSW 2090	Residential

## Monitoring Details

To determine the background noise levels at nearby residential receivers, long term unattended noise monitoring was conducted at three (3) representative locations around the subject site. The location of the noise monitoring is shown below.



The noise logger data was used to calibrate an iNoise model against the existing sports field layout, such that the noise of sporting activities, measured over two weekends, could be quantified. These levels could then be used to model the reconfigured sports field.

The noise monitoring was undertaken during the period of Friday 12 August 2022 and Monday 22 August 2022, being the busiest time of the season, so the measured noise levels represent a worst-case noise generating scenario for the site.

The area source noise levels of each individual football field have been based on the noise levels measured during Saturday sporting events (as this was the time at when highest noise levels were detected across the week of monitoring) at all three locations. The details can be seen in Appendices B, C and D of Attachment 3. From these levels, the noise emissions from the existing configuration could be modelled. By adding an additional football field, the noise emissions from the reconfigured sports field scenario could then be predicted.

The worst-case scenario, whereby all the fields within the park are being used simultaneously, has been modelled as a 15-minute scenario

### **Predicted Noise Levels**

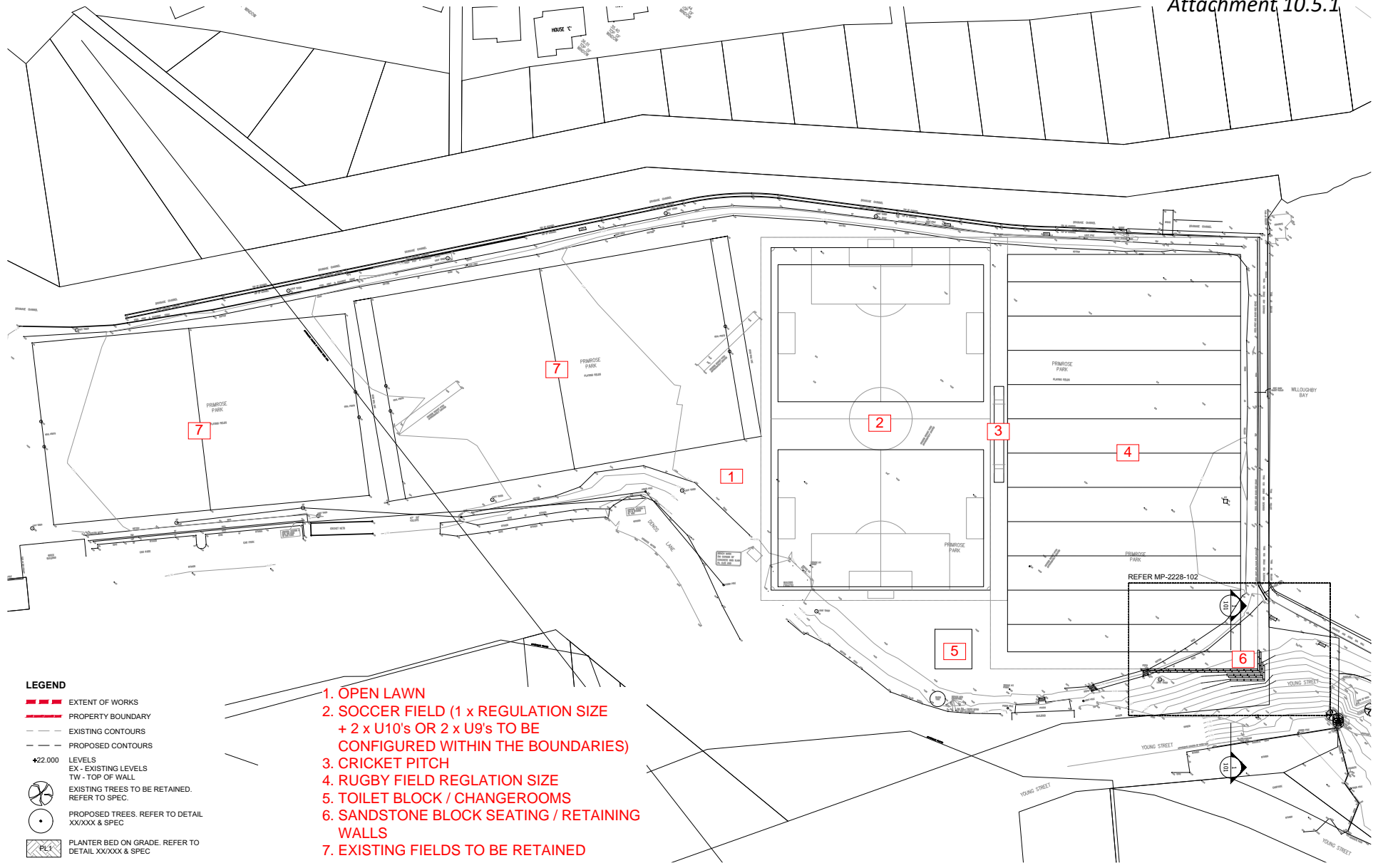
The predicted results for the existing and reconfigured sports field models are presented below.

Predicted Noise Levels (dBA)								
Receiver	Receiver Type	Existing	Sports	Field	Reconfigured	Sports	Field	Difference (dBA)
			Layout		Layout	Layout		
R1	Residential		43		45			+2
R2	Residential		44		45			+1
R3	Residential		45		46			+1
R4	Residential		45		45			0
R5	Residential		43		44			+1
R6	Residential		43		43			0
R7	Residential		44		45			+1
R8	Residential		45		46			+1
R9	Residential		41		43			+2
R10	Residential		41		44			+3
R11	Residential		42		45			+3

## Conclusions

In accordance with the NSW EPA guidelines an exceedance of 2 dBA is negligible and would not be discernible by the average listener, and therefore would not warrant receiver-based treatments or controls. As such, the differences due to the reconfiguration are considered acoustically acceptable for Receiver 1 to Receiver 9.

In accordance with NSW EPA guidelines an exceedance of 3 dBA is marginal. Given the time of day when the park is to be utilised, which does not include sensitive periods such as nighttime, (nighttime is classed as after 10pm in accordance with EPA industry standards), an exceedance of 3 dB at Receiver 10 and Receiver 11 is considered to be acoustically acceptable.



**LEGEND**

- EXTENT OF WORKS
- PROPERTY BOUNDARY
- EXISTING CONTOURS
- PROPOSED CONTOURS
- LEVELS
- EX - EXISTING LEVELS
- TW - TOP OF WALL
- EXISTING TREES TO BE RETAINED. REFER TO SPEC.
- PROPOSED TREES. REFER TO DETAIL XX/XXX & SPEC
- PLANTER BED ON GRADE. REFER TO DETAIL XX/XXX & SPEC

- 1. OPEN LAWN**
- 2. SOCCER FIELD (1 x REGULATION SIZE + 2 x U10's OR 2 x U9's TO BE CONFIGURED WITHIN THE BOUNDARIES)**
- 3. CRICKET PITCH**
- 4. RUGBY FIELD REGULATION SIZE**
- 5. TOILET BLOCK / CHANGEROOMS**
- 6. SANDSTONE BLOCK SEATING / RETAINING WALLS**
- 7. EXISTING FIELDS TO BE RETAINED**

ISSUE	DESCRIPTION	DATE
A	ISSUE FOR COOPERATION	19/09/2022

PRELIMINARY

**Sturt Noble Associates**  
 Suite 91, L5, 330 Wattle St  
 Ultimo NSW 2007  
 T: 02 9213 3744  
 W: www.sturt-noble.com.au  
 landscape architecture  
 environmental & urban design  
 ACN: 164 245 514    ABN: 99 164 245 514

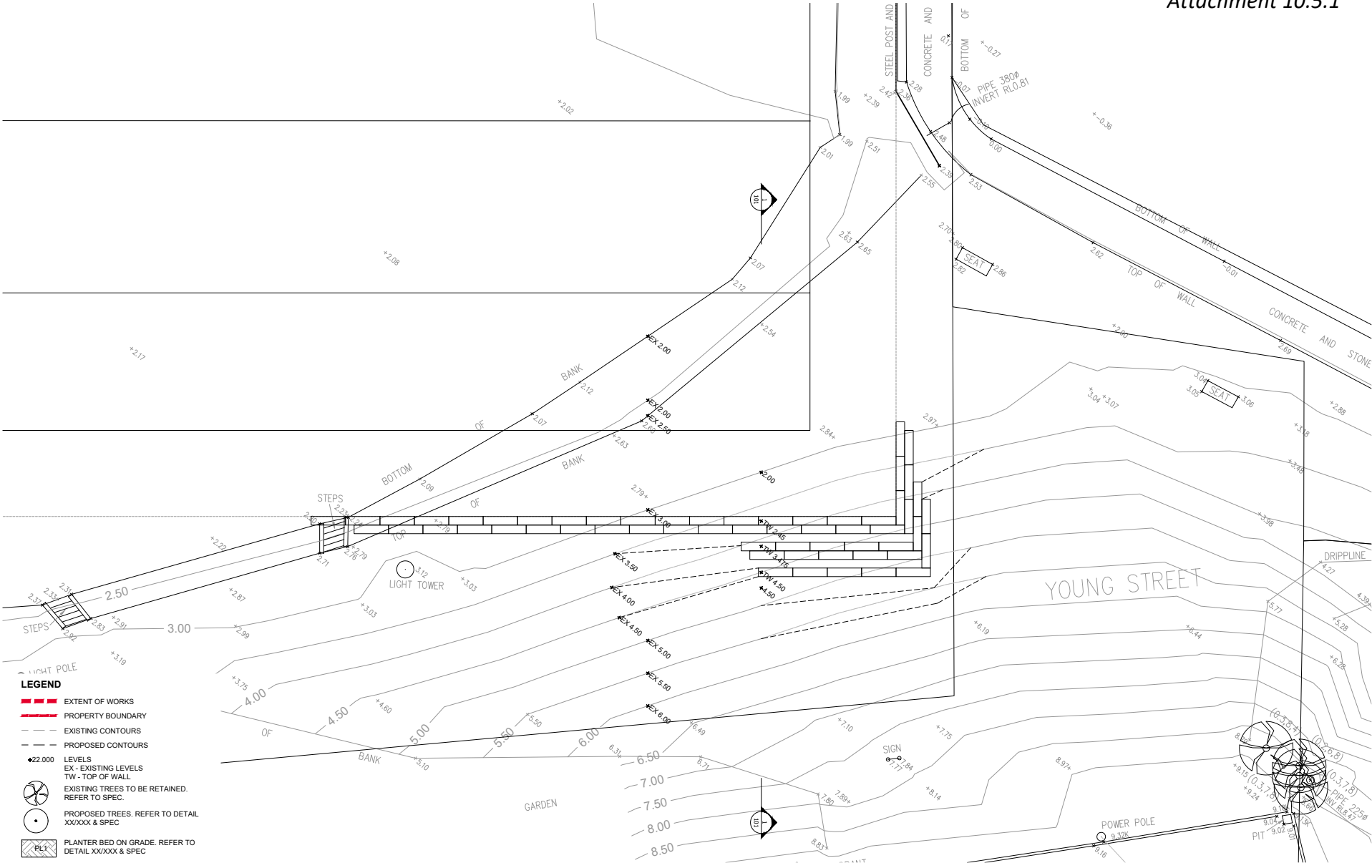
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 PRIMROSE PARK SPORTS FIELD  
 RECONFIGURATION  
**CLIENT**  
 North Sydney Council

**DRAWING**  
 MASTERPLAN  
**DRAWING NUMBER**  
 MP-2228-101

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NO	DESCRIPTION	DATE
A	ISSUE FOR COORDINATION	19/09/2022

PRELIMINARY

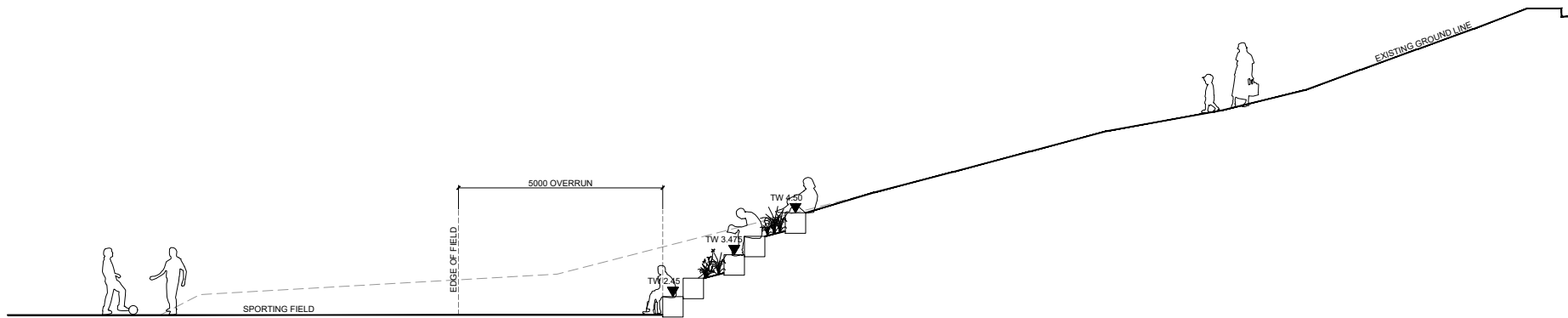
**Sturt Noble Associates**  
 Suite 91, LS, 330 Watte St  
 Ultimo NSW 2007  
 T: 02 9213 3744  
 W: www.sturt-noble.com.au  
 landscape architecture  
 environmental & urban design  
 ACN: 164 245 514    ABN: 99 164 245 514

**PROJECT**  
 PRIMROSE PARK SPORTS FIELD  
 RECONFIGURATION  
**CLIENT**  
 North Sydney Council

NO	DESCRIPTION	DATE
A	ISSUE FOR COORDINATION	19/09/2022

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ISSUE	DESCRIPTION	DATE
A	ISSUE FOR COORDINATION	19/09/2022

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**Sturt Noble Associates**  
 Suite 91, L5, 330 Wattle St  
 Ultimo NSW 2007  
 T: 02 9213 3744  
 W: www.sturnoble.com.au  
 landscape | architecture  
 environmental & urban design

ACN: 164 245 514 ABN: 99 164 245 514

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**PROJECT**  
 PRIMROSE PARK SPORTS FIELD  
 RECONFIGURATION

**CLIENT**  
 North Sydney Council

**DRAWING**  
 SECTION

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 MP-2228-801

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Tel: 02 8004 0460  
www.auswideconsulting.com.au  
info@auswideconsulting.com.au  
ABN 13 143 437 432

# **PARKING ASSESSMENT**

## **PRIMROSE PARK**

### **North Sydney Council**

Prepared for:	<b>North Sydney Council</b>
Date Prepared:	AUGUST 2022
Project Number	262
Revision:	1.0

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## INTRODUCTION

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AusWide Consulting was engaged by North Sydney Council to carry out a Traffic and Parking Assessment of the proposed improvements to Primrose Park to identify the nature and scale of any additional traffic and parking implications that may occur on weekdays/nights and weekends because of this reconfiguration. This may include

- describes the site and provides details of the proposed improvements
- assesses the traffic implications of the additional uses, and
- assesses the parking implications of the additional uses.

The investigation and research into current use was undertaken during August 2022 whilst the current winter sporting season was running as that is the season that is most busy and will have the potential for the biggest impact in change.

During the preparation of this assessment, the subject site and its surroundings were inspected, and all relevant traffic and parking data was collected and analysed.

## BACKGROUND AND EXISTING CONDITIONS

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### Location

Primrose Park is located in Cremorne and can be accessed of Young Street down Denos Lane or in the car park where Wonga Road adjoins Young Street.

### Background and Proposed Improvements

The 2011 NSROC Regional Sportsground Management Strategy outlined a co-operative approach to the key challenges facing local governments in the region in managing demand for sports facilities.

Population growth was expected to impact demand for sportsgrounds in the NSROC region. Representative organisations for community sports already reported inadequate availability of sportsgrounds for playing and training.

The likely implication of the growth forecasts for each Council is that greater pressure will be placed on community facilities including sportsgrounds.

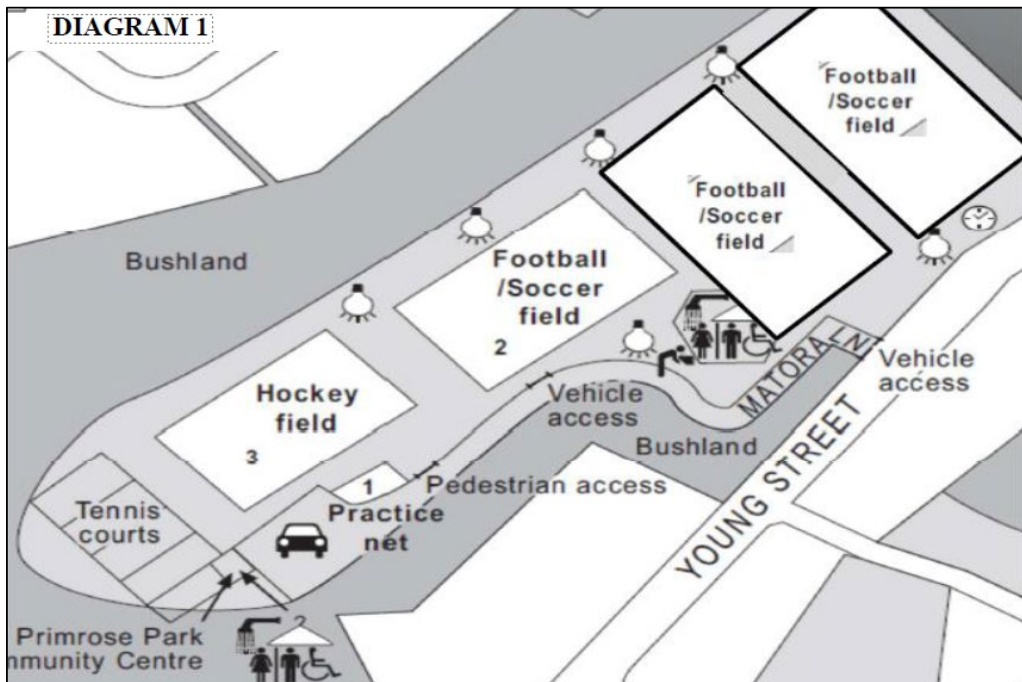
A review of the NSROC Regional Sportsground Management Strategy was completed in late 2017. It also quantified and demonstrated a current and future shortfall in the supply and capacity of sportsgrounds as follows:

- An increase in supply/capacity of 26% will be needed by the year 2026 (equivalent to approximately 78 standard rectangular fields) and
- An increase in supply/capacity of 40% will be needed by the year 2036 (equivalent to approximately 120 standard rectangular fields).

A range of actions has been identified to increase the supply and capacity of sportsgrounds. These include more synthetic fields, lighting, and new and increased use of school facilities.

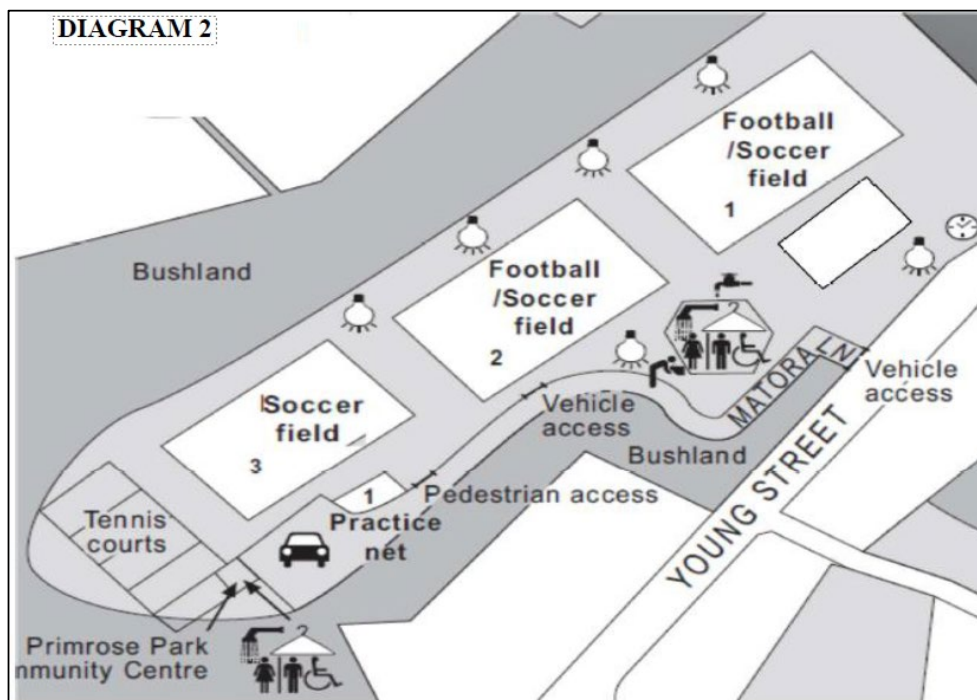
In 2018 a report was presented to Councils Sport and Recreation Reference Group with regards to the reconfiguration of Primrose Park. Council staff had completed some initial site investigations to be able to host an additional full-size pitch.

This could be done by rotating field 1 to face north/south and adding another pitch opposite it facing the same way. This can be seen in figure 1 below.



**Figure 1: Proposed Changes to Primrose Park**

At present, the configuration of Primrose Park (as seen in Figure 2 below) includes 3 playing fields running parallel to each other in an east-west direction. The large turf area adjacent to field 1 hosts a 60 x 40 Soccer field utilised mainly on Saturday's during Winter.



**Figure 2: Current configuration of Primrose Park**

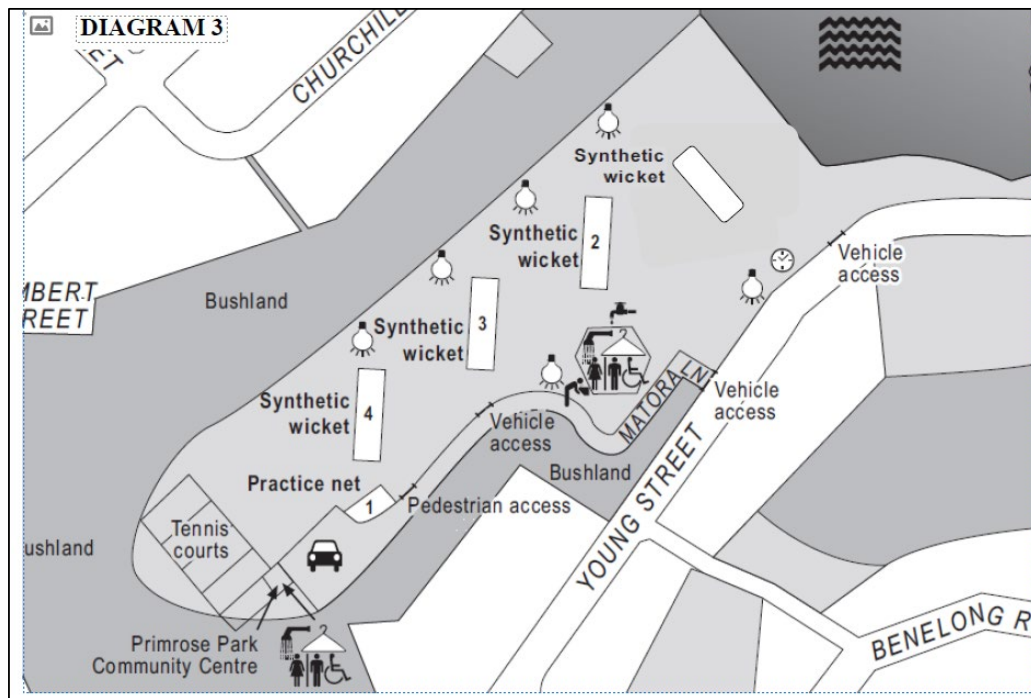
To achieve this would require the removal of the existing amenities block currently located adjacent to the eastern end of field 2. As you can see in Figure 1 above the new field location partially covers the existing amenities block.

The removal of the current facility results in the requirement for new amenities block to be built elsewhere. There are a few options that could be considered not far from the existing facility. A new amenities block would require a development application to be lodged.

There would also be some minor adjustments required to the levels at the base of the steep slope that leads from the Car Park (at the end of Young Street) to the park.

No changes to field lighting or irrigation would be required. There would be a requirement to undertake some levelling of areas at the base of the slope from the Young Street Carpark and along the water's edge of the field.

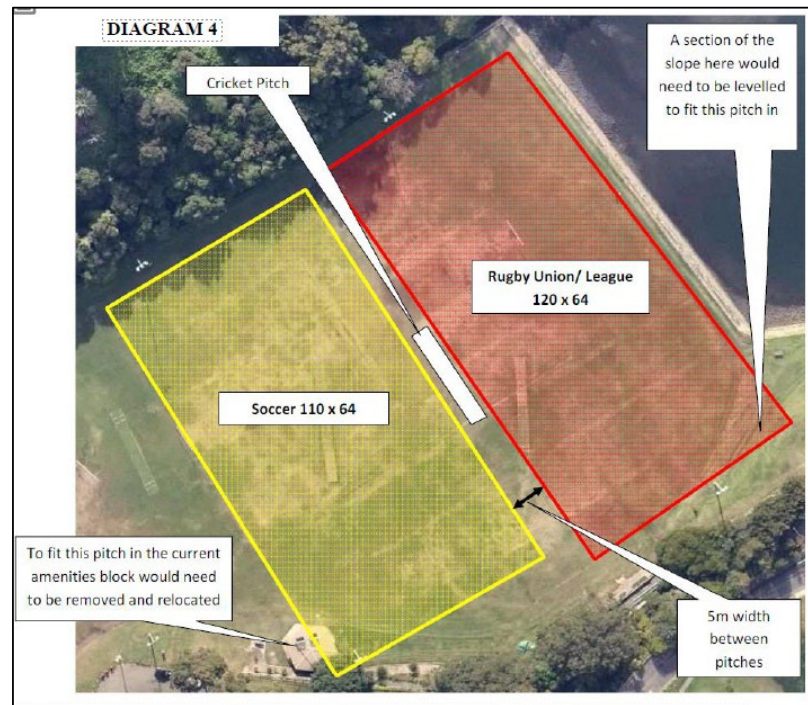
The current position of the two cricket pitches that reside within the realms of field 1 would also need to be changed. It would be best to remove both and return a new wicket in between the two new fields. This can be seen in the Figure 3 below.



**Figure 3: Primrose Park Cricket Pitches**

The aerial shot depicted in Figure 4 below shows these items in further detail.





**Figure 4: Aerial view of Primrose Park and proposed football pitches**

The existing amenities block was installed in 1999 and includes home and away change rooms, public toilets, and storage cages.

The addition of a new field would help assist in Council's supply and demand issues across the Council area. It would:

- increase the number of fields from 13 to 14, a net increase of around 7.15%;
- increase the amount of sport able to be played; and
- be opportunity to reduce the high impact hours on other fields, resulting in a better playing surface for longer periods throughout the season.

### Current usage

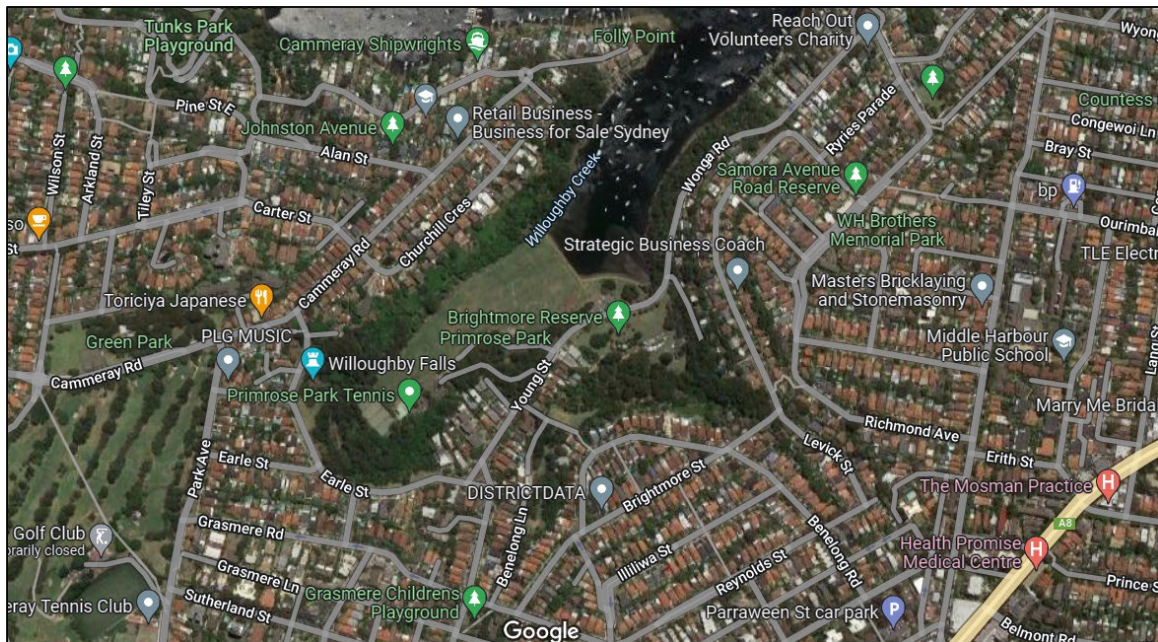
With regards to current usage Council has advised that:

- All natural turf fields are allowed to have up to 32 hours of use per week in Winter. The proposal to add another sports field will follow the same 32-hour limit rule and in general have similar bookings to the current regime;
- The Tennis courts are leased to a private company; and
- The centre is an Art Centre so not as heavily utilised as a community centre.

Full details of bookings and usage are attached in Appendix A.

## EXISTING ROAD NETWORK

Primrose Park Sporting Complex is access via a number of roads namely Young Street Earle Street and Cammeray Street as shown in Figure 5 below.



**Figure 5: Aerial view of Primrose Park and surrounding area**

## TRAFFIC IMPACT

The property is generally surrounded by residential developments and is sporting complex is the main traffic generator or attracter in the area.

The surrounding roads are local roads that connects the surrounding residential streets to the sporting complex and to the wider community.

These roads are all single carriage undivided roads with a variety of parking restrictions on either side (based on the width and terrain and have both formed and unformed footpath on either side.

Based on the proposed development it is our opinion that the traffic generation by the additional field will not impact the operation of the local road network, notwithstanding that it may already be congested on Saturday mornings which seems to be the peak time for junior sport.

This traffic congestion is not inconsistent with most sporting fields across the Sydney metropolitan area and as such the increase in fields will not exacerbate any current congestion to either through traffic, users of the complex or the surrounding residential area.

Sporting traffic may continue to cause discomfort to the residents in close proximity, however as this is transient to Saturday morning winter months and many residents will have measure in places to ensure that they are not unduly inconvenienced.



## CAR PARKING ASSESSMENT

Based on a review of the area a major concern would be the impact that the addition of an extra field would have on parking and whether the increased development would trigger the need for additional off-street parking to accommodate the demand.

To determine any impact the potential increased activity might have on the existing parking options (both on street and off street) a parking survey was carried out to determine the occupancy rate of the available parking areas with the vicinity of the area.

This parking survey involved:

- The study area as shown below in Figure 6;
- A count was carried out on a Thursday afternoon (11th August 2022) between 4 pm and 9 pm and Saturday (6th August 2022) between 8 am and 4 pm; and
- The number of unused spaces was recorded each hour during these times.

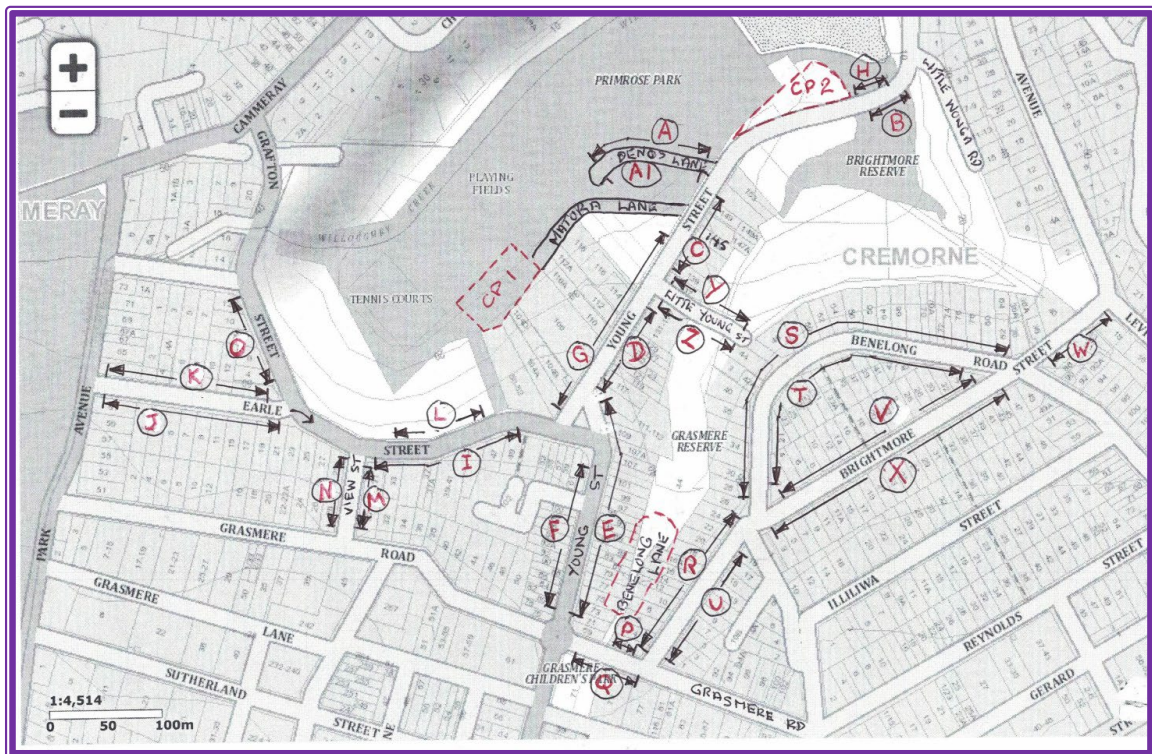


Figure 6: Car Park Survey Areas

The study found that:

- There was a total of 483 car parking spaces available within a reasonable walking catchment of the sporting fields.
- maximum occupancy rate was 85% and this was during the period 9 am to 11 am on a Saturday morning leaving at least 70 available spaces available to new users.
- Outside this time occupancy rates dropped to as low as 58% on a Saturday
- During midweek afternoons the maximum occupancy rate was 68% at around 7 pm leaving at least 153 parking spaces available for the new facilities

Full details of the survey are provided in appendix B and summarised in Table 1 below.

	Cap	0800	0900	1000	1100	1200	1300	1400	1500	1600
Total of Vehicles Parked	483	382	413	406	329	280	289	301	337	326
Number of Vacant Spaces		101	70	77	154	203	194	182	146	157
% of Capacity Used		79%	86%	84%	68%	58%	60%	62%	70%	67%

**Table 1: On-street parking surveyed around Primrose Park**

With respect to the two carparks the following was found;

- Carpark Two (CP2) (Off Young Street) the 27 spaces were fully occupied up until noon outside of this it dropped to around 67%.
- Carpark One (CP1) (adjacent to tennis courts) had been only fully occupied between 10am and 11am, outside of these times the occupancy rate fell to 26%.

A summary of carpark occupancy rates are shown below.

	<b>Car Parks</b>	Cap	0800	0900	1000	1100	1200	1300	1400	1500	1600
<b>CP 1</b>	Primrose Park	<b>57</b>	40	55	57	23	15	23	32	39	36
	% of Capacity Used		70%	96%	100%	40%	26%	40%	56%	68%	63%
<b>CP 2</b>	Young St	<b>27</b>	27	27	27	27	26	22	18	27	22
	% of Capacity Used		100%	100%	100%	100%	96%	81%	67%	100%	81%

**Table 2: Car Parks surveyed around Primrose Park**

## CONCLUSION

Based on the above survey, it is our view that whilst parking on a Saturday morning is in high demand there are sufficient parking spaces available within a reasonable walking distance to accommodate the increase demand that may be generated by the additional field.

It should be noted that having an addition field may not significantly increase the number of participants as the clubs may have more flexibility in ground allocation throughout the day and players and spectators will be suitably adjusted to meet the new rosters and times.

To improve current parking and minimised congestion that may be opportunities to:

- Increase signage indicating the availability of the carpark adjacent to the tennis club; and
- Introduce a “drop of zone” either in the carpark off Young Street or in the street adjacent to this carpark to avoid the short-term use of available carpark, leading to an overall improvement in parking efficiency.

APPENDIX A – PENROSE PARK BOOKINGS AND USAGE

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## Daily Resource Schedule

Date & Time	Resource Name	Booking ID	Client Name	Client Notes	Work Phone	Booking Notes
<b>Wed 01-Jun-22</b>						
01:30 pm – 02:30 pm	Primrose Park - Oval No.1	37171	Cammeraygal High School ID 5192		9954 7100	Soccer
01:30 pm – 02:30 pm	Primrose Park - Oval No.2	37171	Cammeraygal High School ID 5192		9954 7100	Soccer
03:30 pm – 05:00 pm	Primrose Park - Oval No.1	37156	St Aloysius College-Senior School		0415 992 654	lights
03:30 pm – 05:00 pm	Primrose Park - Oval No.2	37156	St Aloysius College-Senior School		0415 992 654	lights
03:30 pm – 05:00 pm	Primrose Park - Oval No.3	37156	St Aloysius College-Senior School		0415 992 654	lights
03:30 pm – 05:00 pm	Primrose Park - Mini Oval No. 1	37156	St Aloysius College-Senior School		0415 992 654	lights
05:00 pm – 07:00 pm	Primrose Park - Oval No.1	37027	Norths Pirates Junior Rugby Union		0409 851 192	lights
05:00 pm – 07:00 pm	Primrose Park - Oval No.2	37027	Norths Pirates Junior Rugby Union		0409 851 192	lights
05:00 pm – 07:00 pm	Primrose Park - Oval No.3	37027	Norths Pirates Junior Rugby Union		0409 851 192	lights
07:00 pm – 09:00 pm	Primrose Park - Oval No.1	37112	North Sydney United Football Club -		0434 391 163	lights
07:00 pm – 09:00 pm	Primrose Park - Oval No.2	37112	North Sydney United Football Club -		0434 391 163	lights
07:00 pm – 09:00 pm	Primrose Park - Oval No.3	37112	North Sydney United Football Club -		0434 391 163	lights
<b>Thu 02-Jun-22</b>						
12:45 pm – 02:15 pm	Primrose Park - Oval No.1	37140	Marist College North Shore ID388			
12:45 pm – 02:15 pm	Primrose Park - Oval No.2	37140	Marist College North Shore ID388			
12:45 pm – 02:15 pm	Primrose Park - Oval No.3	37140	Marist College North Shore ID388			
02:30 pm – 04:30 pm	Primrose Park - Oval No.1	36992	Redlands ID4367		9099 3133	Soccer/Union training
02:30 pm – 04:30 pm	Primrose Park - Oval No.2	36992	Redlands ID4367		9099 3133	Soccer/Union training
02:30 pm – 04:30 pm	Primrose Park - Oval No.3	36992	Redlands ID4367		9099 3133	Soccer/Union training
02:30 pm – 04:30 pm	Primrose Park - Mini Oval No. 1	36992	Redlands ID4367		9099 3133	Soccer/Union training
05:00 pm – 06:30 pm	Primrose Park - Oval No.1	37029	Norths Pirates Junior Rugby Union		0409 851 192	lights
05:00 pm – 06:30 pm	Primrose Park - Oval No.2	37246	Brothers Junior Rugby League		0412 144 271	lights
05:00 pm – 06:30 pm	Primrose Park - Oval No.3	37246	Brothers Junior Rugby League		0412 144 271	lights
06:30 pm – 08:15 pm	Primrose Park - Oval No.1	37207	Northern Suburbs Rugby Football		0439 473 479	lights
06:30 pm – 08:15 pm	Primrose Park - Oval No.2	37207	Northern Suburbs Rugby Football		0439 473 479	lights
06:30 pm – 08:15 pm	Primrose Park - Oval No.3	37207	Northern Suburbs Rugby Football		0439 473 479	lights
<b>Fri 03-Jun-22</b>						
12:30 pm – 02:30 pm	Primrose Park - Oval No.1	37239	North Sydney Demonstration School		9956 2822	
12:30 pm – 02:30 pm	Primrose Park - Oval No.2	37239	North Sydney Demonstration School		9956 2822	
12:30 pm – 02:30 pm	Primrose Park - Oval No.3	37239	North Sydney Demonstration School		9956 2822	
<b>Sat 04-Jun-22</b>						
07:30 am – Middy	Primrose Park - Oval No.1	37157	St Aloysius College-Senior School		0415 992 654	
07:30 am – Middy	Primrose Park - Oval No.2	37157	St Aloysius College-Senior School		0415 992 654	
07:30 am – Middy	Primrose Park - Oval No.3	37068	Wenona School Limited		9955 3000	Soccer
08:00 am – 01:00 pm	Primrose Park - Mini Oval No. 1	37120	Northern Suburbs Football			
01:00 pm – 05:00 pm	Primrose Park - Oval No.1	37121	Northern Suburbs Football		9449 4933	lights
01:00 pm – 05:00 pm	Primrose Park - Oval No.2	37122	Northern Suburbs Football		9449 4933	lights
01:00 pm – 05:00 pm	Primrose Park - Oval No.3	37123	Northern Suburbs Football		9449 4933	lights
<b>Sun 05-Jun-22</b>						
09:00 am – 01:00 pm	Primrose Park - Mini Oval No. 1	37129	Northern Suburbs Football			
01:00 pm – 05:00 pm	Primrose Park - Oval No.1	37130	Northern Suburbs Football		9449 4933	lights
01:00 pm – 05:00 pm	Primrose Park - Oval No.2	37131	Northern Suburbs Football		9449 4933	lights
01:00 pm – 05:00 pm	Primrose Park - Oval No.3	37132	Northern Suburbs Football		9449 4933	lights

Date & Time	Resource Name	Booking ID	Client Name	Client Notes	Work Phone	Booking Notes
<b>Mon 06-Jun-22</b>						
03:30 pm – 05:00 pm	Primrose Park - Oval No.1	37155	St Aloysius College-Senior School		0415 992 654	lights
03:30 pm – 05:00 pm	Primrose Park - Oval No.2	37155	St Aloysius College-Senior School		0415 992 654	lights
03:30 pm – 05:00 pm	Primrose Park - Oval No.3	37155	St Aloysius College-Senior School		0415 992 654	lights
03:30 pm – 05:00 pm	Primrose Park - Mini Oval No. 1	37155	St Aloysius College-Senior School		0415 992 654	lights
05:30 pm – 07:00 pm	Primrose Park - Oval No.2	37251	Brothers Junior Rugby League		0412 144 271	lights
<b>Tue 07-Jun-22</b>						
03:30 pm – 05:00 pm	Primrose Park - Oval No.1	36991	Redlands ID4367		9099 3133	lights - Soccer/Union
03:30 pm – 05:00 pm	Primrose Park - Oval No.2	36991	Redlands ID4367		9099 3133	lights - Soccer/Union
03:30 pm – 05:00 pm	Primrose Park - Mini Oval No. 1	36991	Redlands ID4367		9099 3133	lights - Soccer/Union
04:00 pm – 06:00 pm	Primrose Park - Oval No.3	37216	North Sydney United Football Club -		0434 391 163	lights
05:00 pm – 06:00 pm	Primrose Park - Oval No.1	37046	Brothers Junior Rugby League		0412 144 271	lights
05:00 pm – 06:00 pm	Primrose Park - Oval No.2	37046	Brothers Junior Rugby League		0412 144 271	lights
06:00 pm – 08:15 pm	Primrose Park - Oval No.1	37252	Northern Suburbs Rugby Football		0439 473 479	lights
06:00 pm – 08:15 pm	Primrose Park - Oval No.2	37252	Northern Suburbs Rugby Football		0439 473 479	lights
06:00 pm – 08:15 pm	Primrose Park - Oval No.3	37252	Northern Suburbs Rugby Football		0439 473 479	lights
<b>Wed 08-Jun-22</b>						
01:30 pm – 02:30 pm	Primrose Park - Oval No.1	37171	Cammeraygal High School ID 5192		9954 7100	Soccer
01:30 pm – 02:30 pm	Primrose Park - Oval No.2	37171	Cammeraygal High School ID 5192		9954 7100	Soccer
03:30 pm – 05:00 pm	Primrose Park - Oval No.1	37156	St Aloysius College-Senior School		0415 992 654	lights
03:30 pm – 05:00 pm	Primrose Park - Oval No.2	37156	St Aloysius College-Senior School		0415 992 654	lights
03:30 pm – 05:00 pm	Primrose Park - Oval No.3	37156	St Aloysius College-Senior School		0415 992 654	lights
03:30 pm – 05:00 pm	Primrose Park - Mini Oval No. 1	37156	St Aloysius College-Senior School		0415 992 654	lights
05:00 pm – 07:00 pm	Primrose Park - Oval No.1	37027	Norths Pirates Junior Rugby Union		0409 851 192	lights
05:00 pm – 07:00 pm	Primrose Park - Oval No.2	37027	Norths Pirates Junior Rugby Union		0409 851 192	lights
05:00 pm – 07:00 pm	Primrose Park - Oval No.3	37027	Norths Pirates Junior Rugby Union		0409 851 192	lights
07:00 pm – 09:00 pm	Primrose Park - Oval No.1	37112	North Sydney United Football Club -		0434 391 163	lights
07:00 pm – 09:00 pm	Primrose Park - Oval No.2	37112	North Sydney United Football Club -		0434 391 163	lights
07:00 pm – 09:00 pm	Primrose Park - Oval No.3	37112	North Sydney United Football Club -		0434 391 163	lights
<b>Thu 09-Jun-22</b>						
12:45 pm – 02:15 pm	Primrose Park - Oval No.1	37140	Marist College North Shore ID388			
12:45 pm – 02:15 pm	Primrose Park - Oval No.2	37140	Marist College North Shore ID388			
12:45 pm – 02:15 pm	Primrose Park - Oval No.3	37140	Marist College North Shore ID388			
02:30 pm – 04:30 pm	Primrose Park - Oval No.1	36992	Redlands ID4367		9099 3133	Soccer/Union training
02:30 pm – 04:30 pm	Primrose Park - Oval No.2	36992	Redlands ID4367		9099 3133	Soccer/Union training
02:30 pm – 04:30 pm	Primrose Park - Oval No.3	36992	Redlands ID4367		9099 3133	Soccer/Union training
02:30 pm – 04:30 pm	Primrose Park - Mini Oval No. 1	36992	Redlands ID4367		9099 3133	Soccer/Union training
05:00 pm – 06:30 pm	Primrose Park - Oval No.1	37029	Norths Pirates Junior Rugby Union		0409 851 192	lights
05:00 pm – 06:30 pm	Primrose Park - Oval No.2	37246	Brothers Junior Rugby League		0412 144 271	lights
05:00 pm – 06:30 pm	Primrose Park - Oval No.3	37246	Brothers Junior Rugby League		0412 144 271	lights
06:30 pm – 08:15 pm	Primrose Park - Oval No.1	37207	Northern Suburbs Rugby Football		0439 473 479	lights
06:30 pm – 08:15 pm	Primrose Park - Oval No.2	37207	Northern Suburbs Rugby Football		0439 473 479	lights
06:30 pm – 08:15 pm	Primrose Park - Oval No.3	37207	Northern Suburbs Rugby Football		0439 473 479	lights
<b>Fri 10-Jun-22</b>						
12:30 pm – 02:30 pm	Primrose Park - Oval No.1	37239	North Sydney Demonstration School		9956 2822	
12:30 pm – 02:30 pm	Primrose Park - Oval No.2	37239	North Sydney Demonstration School		9956 2822	

Date & Time	Resource Name	Booking ID	Client Name	Client Notes	Work Phone	Booking Notes
<b>Fri 10-Jun-22</b>						
12:30 pm – 02:30 pm	Primrose Park - Oval No.3	37239	North Sydney Demonstration School		9956 2822	
<b>Sat 11-Jun-22</b>						
08:00 am – 01:00 pm	Primrose Park - Mini Oval No. 1	37120	Northern Suburbs Football			
01:00 pm – 05:00 pm	Primrose Park - Oval No.1	37121	Northern Suburbs Football		9449 4933	lights
01:00 pm – 05:00 pm	Primrose Park - Oval No.2	37122	Northern Suburbs Football		9449 4933	lights
01:00 pm – 05:00 pm	Primrose Park - Oval No.3	37123	Northern Suburbs Football		9449 4933	lights
<b>Sun 12-Jun-22</b>						
09:00 am – 01:00 pm	Primrose Park - Mini Oval No. 1	37129	Northern Suburbs Football			
01:00 pm – 05:00 pm	Primrose Park - Oval No.1	37130	Northern Suburbs Football		9449 4933	lights
01:00 pm – 05:00 pm	Primrose Park - Oval No.2	37131	Northern Suburbs Football		9449 4933	lights
01:00 pm – 05:00 pm	Primrose Park - Oval No.3	37132	Northern Suburbs Football		9449 4933	lights
<b>Mon 13-Jun-22</b>						
01:00 pm – 05:00 pm	Primrose Park - Oval No.1	37450	Northern Suburbs Football		9449 4933	lights - to be invoiced
01:00 pm – 05:00 pm	Primrose Park - Oval No.2	37450	Northern Suburbs Football		9449 4933	lights - to be invoiced
<b>Tue 14-Jun-22</b>						
03:30 pm – 05:00 pm	Primrose Park - Oval No.1	36991	Redlands ID4367		9099 3133	lights - Soccer/Union
03:30 pm – 05:00 pm	Primrose Park - Oval No.2	36991	Redlands ID4367		9099 3133	lights - Soccer/Union
03:30 pm – 05:00 pm	Primrose Park - Mini Oval No. 1	36991	Redlands ID4367		9099 3133	lights - Soccer/Union
04:00 pm – 06:00 pm	Primrose Park - Oval No.3	37216	North Sydney United Football Club -		0434 391 163	lights
05:00 pm – 06:00 pm	Primrose Park - Oval No.1	37046	Brothers Junior Rugby League		0412 144 271	lights
05:00 pm – 06:00 pm	Primrose Park - Oval No.2	37046	Brothers Junior Rugby League		0412 144 271	lights
06:00 pm – 08:15 pm	Primrose Park - Oval No.1	37252	Northern Suburbs Rugby Football		0439 473 479	lights
06:00 pm – 08:15 pm	Primrose Park - Oval No.2	37252	Northern Suburbs Rugby Football		0439 473 479	lights
06:00 pm – 08:15 pm	Primrose Park - Oval No.3	37252	Northern Suburbs Rugby Football		0439 473 479	lights
<b>Wed 15-Jun-22</b>						
01:30 pm – 02:30 pm	Primrose Park - Oval No.1	37171	Cammeraygal High School ID 5192		9954 7100	Soccer
01:30 pm – 02:30 pm	Primrose Park - Oval No.2	37171	Cammeraygal High School ID 5192		9954 7100	Soccer
03:30 pm – 05:00 pm	Primrose Park - Oval No.1	37156	St Aloysius College-Senior School		0415 992 654	lights
03:30 pm – 05:00 pm	Primrose Park - Oval No.2	37156	St Aloysius College-Senior School		0415 992 654	lights
03:30 pm – 05:00 pm	Primrose Park - Oval No.3	37156	St Aloysius College-Senior School		0415 992 654	lights
03:30 pm – 05:00 pm	Primrose Park - Mini Oval No. 1	37156	St Aloysius College-Senior School		0415 992 654	lights
05:00 pm – 07:00 pm	Primrose Park - Oval No.1	37027	Norths Pirates Junior Rugby Union		0409 851 192	lights
05:00 pm – 07:00 pm	Primrose Park - Oval No.2	37027	Norths Pirates Junior Rugby Union		0409 851 192	lights
05:00 pm – 07:00 pm	Primrose Park - Oval No.3	37027	Norths Pirates Junior Rugby Union		0409 851 192	lights
07:00 pm – 09:00 pm	Primrose Park - Oval No.1	37112	North Sydney United Football Club -		0434 391 163	lights
07:00 pm – 09:00 pm	Primrose Park - Oval No.2	37112	North Sydney United Football Club -		0434 391 163	lights
07:00 pm – 09:00 pm	Primrose Park - Oval No.3	37112	North Sydney United Football Club -		0434 391 163	lights
<b>Thu 16-Jun-22</b>						
12:45 pm – 02:15 pm	Primrose Park - Oval No.1	37140	Marist College North Shore ID388			
12:45 pm – 02:15 pm	Primrose Park - Oval No.2	37140	Marist College North Shore ID388			
12:45 pm – 02:15 pm	Primrose Park - Oval No.3	37140	Marist College North Shore ID388			
02:30 pm – 04:30 pm	Primrose Park - Oval No.1	36992	Redlands ID4367		9099 3133	Soccer/Union training
02:30 pm – 04:30 pm	Primrose Park - Oval No.2	36992	Redlands ID4367		9099 3133	Soccer/Union training
02:30 pm – 04:30 pm	Primrose Park - Oval No.3	36992	Redlands ID4367		9099 3133	Soccer/Union training
02:30 pm – 04:30 pm	Primrose Park - Mini Oval No. 1	36992	Redlands ID4367		9099 3133	Soccer/Union training



Date & Time	Resource Name	Booking ID	Client Name	Client Notes	Work Phone	Booking Notes
<b>Thu 16-Jun-22</b>						
05:00 pm – 06:30 pm	Primrose Park - Oval No.1	37029	Norths Pirates Junior Rugby Union		0409 851 192	lights
05:00 pm – 06:30 pm	Primrose Park - Oval No.2	37246	Brothers Junior Rugby League		0412 144 271	lights
05:00 pm – 06:30 pm	Primrose Park - Oval No.3	37246	Brothers Junior Rugby League		0412 144 271	lights
06:30 pm – 08:15 pm	Primrose Park - Oval No.1	37207	Northern Suburbs Rugby Football		0439 473 479	lights
06:30 pm – 08:15 pm	Primrose Park - Oval No.2	37207	Northern Suburbs Rugby Football		0439 473 479	lights
06:30 pm – 08:15 pm	Primrose Park - Oval No.3	37207	Northern Suburbs Rugby Football		0439 473 479	lights
<b>Fri 17-Jun-22</b>						
12:30 pm – 02:30 pm	Primrose Park - Oval No.1	37239	North Sydney Demonstration School		9956 2822	
12:30 pm – 02:30 pm	Primrose Park - Oval No.2	37239	North Sydney Demonstration School		9956 2822	
12:30 pm – 02:30 pm	Primrose Park - Oval No.3	37239	North Sydney Demonstration School		9956 2822	
<b>Sat 18-Jun-22</b>						
07:30 am – Midday	Primrose Park - Oval No.1	37157	St Aloysius College-Senior School		0415 992 654	
07:30 am – Midday	Primrose Park - Oval No.2	37157	St Aloysius College-Senior School		0415 992 654	
07:30 am – Midday	Primrose Park - Oval No.3	37068	Wenona School Limited		9955 3000	Soccer
08:00 am – 01:00 pm	Primrose Park - Mini Oval No. 1	37120	Northern Suburbs Football			
01:00 pm – 05:00 pm	Primrose Park - Oval No.1	37121	Northern Suburbs Football		9449 4933	lights
01:00 pm – 05:00 pm	Primrose Park - Oval No.2	37122	Northern Suburbs Football		9449 4933	lights
01:00 pm – 05:00 pm	Primrose Park - Oval No.3	37123	Northern Suburbs Football		9449 4933	lights
<b>Sun 19-Jun-22</b>						
09:00 am – 01:00 pm	Primrose Park - Mini Oval No. 1	37129	Northern Suburbs Football			
01:00 pm – 05:00 pm	Primrose Park - Oval No.1	37130	Northern Suburbs Football		9449 4933	lights
01:00 pm – 05:00 pm	Primrose Park - Oval No.2	37131	Northern Suburbs Football		9449 4933	lights
01:00 pm – 05:00 pm	Primrose Park - Oval No.3	37132	Northern Suburbs Football		9449 4933	lights
<b>Mon 20-Jun-22</b>						
03:30 pm – 05:00 pm	Primrose Park - Oval No.1	37155	St Aloysius College-Senior School		0415 992 654	lights
03:30 pm – 05:00 pm	Primrose Park - Oval No.2	37155	St Aloysius College-Senior School		0415 992 654	lights
03:30 pm – 05:00 pm	Primrose Park - Oval No.3	37155	St Aloysius College-Senior School		0415 992 654	lights
03:30 pm – 05:00 pm	Primrose Park - Mini Oval No. 1	37155	St Aloysius College-Senior School		0415 992 654	lights
05:30 pm – 07:00 pm	Primrose Park - Oval No.2	37251	Brothers Junior Rugby League		0412 144 271	lights
<b>Tue 21-Jun-22</b>						
03:30 pm – 05:00 pm	Primrose Park - Oval No.1	36991	Redlands ID4367		9099 3133	lights - Soccer/Union
03:30 pm – 05:00 pm	Primrose Park - Oval No.2	36991	Redlands ID4367		9099 3133	lights - Soccer/Union
03:30 pm – 05:00 pm	Primrose Park - Mini Oval No. 1	36991	Redlands ID4367		9099 3133	lights - Soccer/Union
04:00 pm – 06:00 pm	Primrose Park - Oval No.3	37216	North Sydney United Football Club -		0434 391 163	lights
05:00 pm – 06:00 pm	Primrose Park - Oval No.1	37046	Brothers Junior Rugby League		0412 144 271	lights
05:00 pm – 06:00 pm	Primrose Park - Oval No.2	37046	Brothers Junior Rugby League		0412 144 271	lights
06:00 pm – 08:15 pm	Primrose Park - Oval No.1	37252	Northern Suburbs Rugby Football		0439 473 479	lights
06:00 pm – 08:15 pm	Primrose Park - Oval No.2	37252	Northern Suburbs Rugby Football		0439 473 479	lights
06:00 pm – 08:15 pm	Primrose Park - Oval No.3	37252	Northern Suburbs Rugby Football		0439 473 479	lights
<b>Wed 22-Jun-22</b>						
01:30 pm – 02:30 pm	Primrose Park - Oval No.1	37171	Cammeraygal High School ID 5192		9954 7100	Soccer
01:30 pm – 02:30 pm	Primrose Park - Oval No.2	37171	Cammeraygal High School ID 5192		9954 7100	Soccer
03:30 pm – 05:00 pm	Primrose Park - Oval No.1	37156	St Aloysius College-Senior School		0415 992 654	lights
03:30 pm – 05:00 pm	Primrose Park - Oval No.2	37156	St Aloysius College-Senior School		0415 992 654	lights
03:30 pm – 05:00 pm	Primrose Park - Oval No.3	37156	St Aloysius College-Senior School		0415 992 654	lights

Date & Time	Resource Name	Booking ID	Client Name	Client Notes	Work Phone	Booking Notes
<b>Wed 22-Jun-22</b>						
03:30 pm – 05:00 pm	Primrose Park - Mini Oval No. 1	37156	St Aloysius College-Senior School		0415 992 654	lights
05:00 pm – 07:00 pm	Primrose Park - Oval No.1	37027	Norths Pirates Junior Rugby Union		0409 851 192	lights
05:00 pm – 07:00 pm	Primrose Park - Oval No.2	37027	Norths Pirates Junior Rugby Union		0409 851 192	lights
05:00 pm – 07:00 pm	Primrose Park - Oval No.3	37027	Norths Pirates Junior Rugby Union		0409 851 192	lights
07:00 pm – 09:00 pm	Primrose Park - Oval No.1	37112	North Sydney United Football Club -		0434 391 163	lights
07:00 pm – 09:00 pm	Primrose Park - Oval No.2	37112	North Sydney United Football Club -		0434 391 163	lights
07:00 pm – 09:00 pm	Primrose Park - Oval No.3	37112	North Sydney United Football Club -		0434 391 163	lights
<b>Thu 23-Jun-22</b>						
12:45 pm – 02:15 pm	Primrose Park - Oval No.1	37140	Marist College North Shore ID388			
12:45 pm – 02:15 pm	Primrose Park - Oval No.2	37140	Marist College North Shore ID388			
12:45 pm – 02:15 pm	Primrose Park - Oval No.3	37140	Marist College North Shore ID388			
02:30 pm – 04:30 pm	Primrose Park - Oval No.1	36992	Redlands ID4367		9099 3133	Soccer/Union training
02:30 pm – 04:30 pm	Primrose Park - Oval No.2	36992	Redlands ID4367		9099 3133	Soccer/Union training
02:30 pm – 04:30 pm	Primrose Park - Oval No.3	36992	Redlands ID4367		9099 3133	Soccer/Union training
02:30 pm – 04:30 pm	Primrose Park - Mini Oval No. 1	36992	Redlands ID4367		9099 3133	Soccer/Union training
05:00 pm – 06:30 pm	Primrose Park - Oval No.1	37029	Norths Pirates Junior Rugby Union		0409 851 192	lights
05:00 pm – 06:30 pm	Primrose Park - Oval No.2	37246	Brothers Junior Rugby League		0412 144 271	lights
05:00 pm – 06:30 pm	Primrose Park - Oval No.3	37246	Brothers Junior Rugby League		0412 144 271	lights
06:30 pm – 08:15 pm	Primrose Park - Oval No.1	37207	Northern Suburbs Rugby Football		0439 473 479	lights
06:30 pm – 08:15 pm	Primrose Park - Oval No.2	37207	Northern Suburbs Rugby Football		0439 473 479	lights
06:30 pm – 08:15 pm	Primrose Park - Oval No.3	37207	Northern Suburbs Rugby Football		0439 473 479	lights
<b>Fri 24-Jun-22</b>						
12:30 pm – 02:30 pm	Primrose Park - Oval No.1	37239	North Sydney Demonstration School		9956 2822	
12:30 pm – 02:30 pm	Primrose Park - Oval No.2	37239	North Sydney Demonstration School		9956 2822	
12:30 pm – 02:30 pm	Primrose Park - Oval No.3	37239	North Sydney Demonstration School		9956 2822	
<b>Sat 25-Jun-22</b>						
08:00 am – 01:00 pm	Primrose Park - Mini Oval No. 1	37120	Northern Suburbs Football			
01:00 pm – 05:00 pm	Primrose Park - Oval No.1	37121	Northern Suburbs Football		9449 4933	lights
01:00 pm – 05:00 pm	Primrose Park - Oval No.2	37122	Northern Suburbs Football		9449 4933	lights
01:00 pm – 05:00 pm	Primrose Park - Oval No.3	37123	Northern Suburbs Football		9449 4933	lights
<b>Sun 26-Jun-22</b>						
09:00 am – 01:00 pm	Primrose Park - Mini Oval No. 1	37129	Northern Suburbs Football			
01:00 pm – 05:00 pm	Primrose Park - Oval No.1	37130	Northern Suburbs Football		9449 4933	lights
01:00 pm – 05:00 pm	Primrose Park - Oval No.2	37131	Northern Suburbs Football		9449 4933	lights
01:00 pm – 05:00 pm	Primrose Park - Oval No.3	37132	Northern Suburbs Football		9449 4933	lights
<b>Mon 27-Jun-22</b>						
05:30 pm – 07:00 pm	Primrose Park - Oval No.2	37251	Brothers Junior Rugby League		0412 144 271	lights
<b>Tue 28-Jun-22</b>						
04:00 pm – 06:00 pm	Primrose Park - Oval No.3	37216	North Sydney United Football Club -		0434 391 163	lights
05:00 pm – 06:00 pm	Primrose Park - Oval No.1	37046	Brothers Junior Rugby League		0412 144 271	lights
05:00 pm – 06:00 pm	Primrose Park - Oval No.2	37046	Brothers Junior Rugby League		0412 144 271	lights
06:00 pm – 08:15 pm	Primrose Park - Oval No.1	37252	Northern Suburbs Rugby Football		0439 473 479	lights
06:00 pm – 08:15 pm	Primrose Park - Oval No.2	37252	Northern Suburbs Rugby Football		0439 473 479	lights
06:00 pm – 08:15 pm	Primrose Park - Oval No.3	37252	Northern Suburbs Rugby Football		0439 473 479	lights
<b>Wed 29-Jun-22</b>						

Date & Time	Resource Name	Booking ID	Client Name	Client Notes	Work Phone	Booking Notes
<b>Wed 29-Jun-22</b>						
01:30 pm – 02:30 pm	Primrose Park - Oval No.1	37171	Cammeraygal High School ID 5192		9954 7100	<b>Soccer</b>
01:30 pm – 02:30 pm	Primrose Park - Oval No.2	37171	Cammeraygal High School ID 5192		9954 7100	<b>Soccer</b>
05:00 pm – 07:00 pm	Primrose Park - Oval No.1	37027	Norths Pirates Junior Rugby Union		0409 851 192	<b>lights</b>
05:00 pm – 07:00 pm	Primrose Park - Oval No.2	37027	Norths Pirates Junior Rugby Union		0409 851 192	<b>lights</b>
05:00 pm – 07:00 pm	Primrose Park - Oval No.3	37027	Norths Pirates Junior Rugby Union		0409 851 192	<b>lights</b>
07:00 pm – 09:00 pm	Primrose Park - Oval No.1	37112	North Sydney United Football Club -		0434 391 163	<b>lights</b>
07:00 pm – 09:00 pm	Primrose Park - Oval No.2	37112	North Sydney United Football Club -		0434 391 163	<b>lights</b>
07:00 pm – 09:00 pm	Primrose Park - Oval No.3	37112	North Sydney United Football Club -		0434 391 163	<b>lights</b>
<b>Thu 30-Jun-22</b>						
05:00 pm – 06:30 pm	Primrose Park - Oval No.1	37029	Norths Pirates Junior Rugby Union		0409 851 192	<b>lights</b>
05:00 pm – 06:30 pm	Primrose Park - Oval No.2	37246	Brothers Junior Rugby League		0412 144 271	<b>lights</b>
05:00 pm – 06:30 pm	Primrose Park - Oval No.3	37246	Brothers Junior Rugby League		0412 144 271	<b>lights</b>
06:30 pm – 08:15 pm	Primrose Park - Oval No.1	37207	Northern Suburbs Rugby Football		0439 473 479	<b>lights</b>
06:30 pm – 08:15 pm	Primrose Park - Oval No.2	37207	Northern Suburbs Rugby Football		0439 473 479	<b>lights</b>
06:30 pm – 08:15 pm	Primrose Park - Oval No.3	37207	Northern Suburbs Rugby Football		0439 473 479	<b>lights</b>

	Court 1	Court 2	Court 3	Court 4						
6am										
7am	Private Lesson			Private Lesson						
8am	Private Lesson [Lennie Cadman]			Private Lesson [Maave Hannan] 8am - 9am						
9am	Private Lesson [Mai Yi Taylor, Samantha]			Ladies Clinic 9am - 10:30am						
10am	Private Lesson		Willie McCann 0414620216 10am - 12pm							
11am										
12pm										
1pm		Tom Green 12:30pm - 1:30pm								
2pm	Private Group 2pm - 3pm									
3pm	Private Lesson		Red Ball							
4pm	Private Lesson [Karl Stefanovic] 4pm - 5pm		Green Ball Derek Gleeson	Private Lesson						
5pm	(M) James Koumou		(M) Ronald 5pm - 6pm	Private Lesson [Amber Zhong] 5pm - 6pm						
6pm	Private Lesson 6pm - 7pm	Jackie Masters 0426727651 5:30pm - 6:30pm	Adult Group 6:30pm - 8pm	Adult Group 6:30pm - 8pm						
7pm	Private Lesson [Liz Bors, Mary Armstrong]	(M) James Choi	Adult Group 6:30pm - 8pm	Adult Group 6:30pm - 8pm						
8pm	(M) James Choi		John Le Couteur 8pm - 9pm							
9pm	Private Lesson 9pm - 10pm									
10pm										
11pm										



	Court 1	Court 2	Court 3	Court 4														
6am																		
7am																		
8am																		
9am	Prue Hill 04240496 49 ✔	Francesca Hung 9am - ✔	(M) Tawanda 9:30am - ✔	Kirsty Baker 9:30am - ✔														
10am	Eric J ✔	Nicole Noye 04348176 ✔	Tawanda ✔	Terry ✔														
11am	Vito ✔	Lisanti 10:30am - 12:30pm ✔	Belinda Cudmore 04176931 ✔	Terence ✔														
12pm	Emma Mann 12:30pm - 1: 30pm	Charlie Little 11:30am - ✔	(M) Crispin 12pm - ✔	(M) Aaron Wang 12pm ✔														
1pm		(M) Shantior Weich 1pm - 2pm	Olivia Wong	Phoebe														
2pm				Isabelle Pont 2pm - 3pm ⊘														
3pm	(M) Ms Tania Tan 3pm - 4pm ✔	(M) Anilabh Mall 0439343773 ✔																
4pm	(M) Anilabh ✔	(M) Nitin ✔	Ashir Aolis Khan 4pm - 5:30pm ✔	Annabel Yum 4pm - 5pm ✔														
5pm	James Templer 4:30pm - 6pm ✔	Richard Lynch 5pm - 6pm ✔		Janelle Burns ✔														
6pm		Joel Schvener 6:30pm - 7: 30pm ✔		(M) Ronald 5:30pm - 6: 30pm ✔														
7pm																		
8pm																		
9pm																		
10pm																		
11pm																		



	Court 1	Court 2	Court 3	Court 4									
6am													
7am	Private Lesson [Steve Forster] 7am - 8am												
8am	Private Lesson [Kimbberley Everatt]			Private Lesson									
9am	Private Lesson [Mitchell]			Private Lesson [Orlando]									
10am	Private Lesson [Andrew]		Vito	Private Lesson									
11am	Mark Burrows 04115351	(M) Tara 11am - 12pm	Alison Roberts 11am - 12pm	Private Lesson [Karl Sahl]									
12pm	(M) Tawanda 12pm - 1pm	Tara Simmonds 12pm - 1pm		Murray 11:30am - 1pm									
1pm	Tara Simmonds 1pm - 2pm	Adrian Billinghurs 1pm - 2pm	Tawanda	James Farge 04010392 1pm - 8pm									
2pm	Peter Stamm 04090585 2pm - 5pm	Michael Maher 04122456 2pm - 5pm	(M) Anne Kireeva 2pm - 3pm										
3pm			(M) Nalin Singh 3pm - 4pm										
4pm			(M) Aaron Wang 4pm - 5pm										
5pm	Eric J												
6pm													
7pm													
8pm													
9pm													
10pm													
11pm													





	Court 1	Court 2	Court 3	Court 4						
6am	Private Lesson									
7am		Jackie Masters 0426727651 7am - 8am								
8am	Private Lesson		Private Lesson Aron Pandey, Jack Thomasi							
9am	Ladies Comp 9am - 12pm	Ladies Comp 9am - 12pm	Ladies Comp 9am - 12pm							
10am										
11am										
12pm										
1pm										
2pm			(M) David Chapman 2pm - 3pm							
3pm	Private Lesson	Red Ball								
4pm	Green Ball Boris Burkhardt	Sarah Stewart 0433502430 4pm - 5pm	no	Green Ball 4pm - 5pm						
5pm	Private Lesson [Melissa Lang]	(M) Renaid Wang 5pm - 6pm	Stewart Banks 0437668058 4-30pm - 5	(M) Takwanda 5pm - 6pm						
6pm										
7pm										
8pm										
9pm										
10pm										
11pm										



	Court 1	Court 2	Court 3	Court 4														
6am																		
7am																		
8am	Private Lesson Allison Roberts, Angela		Trial Lesson 8:30am - 9: 30am															
9am	Ladies Clinic 9:30am - 10: 30am			Ladies Clinic Boris Burkhart														
10am	Pro-Am David Chapman	Pro-Am David Chapman	Pro-Am David Chapman	Pro-Am David Chapman														
11am																		
12pm																		
1pm																		
2pm																		
3pm	Redlands 2:30pm - 4pm	Redlands 2:30pm - 4pm	Redlands 2:30pm - 4pm	Redlands 2:30pm - 4pm														
4pm	Private Lesson Private Lesson Yambrose MacNamara	Private Lesson [Kitty Seal] 4pm - 5pm	Orange Group Private Lesson 5pm - 6:30pm	Orange Ball Development Squad Boris Burkhart														
5pm	Private Lesson Yi-Ching Wang 0405198389 8am - 7am																	
6pm	Richard Clark 0403163597 7am - 8am		Adult Group Coaching Boris Burkhart	Adult Group Coaching Boris Burkhart														
7pm	Yusef 0478315150 8am - 9am																	
8pm																		
9pm																		
10pm																		
11pm																		



	Court 1	Court 2	Court 3	Court 4														
6am																		
7am																		
8am																		
9am	Pro-Am 9:30am - 11am	Pro-Am 9:30am - 11am	Pro-Am 9:30am - 11am	Pro-Am 9:30am - 11am														
10am																		
11am	Steve Allwright 11am - 12pm	Private Lesson [Linda Neecham]	11am - 12pm	[Sarah Woodcock] 11am - 12pm														
12pm																		
1pm	Redlands 1:30pm - 3pm School Carnival	Redlands 1:30pm - 3pm no tennis	Redlands 1:30pm - 3pm no tennis	Redlands 1:30pm - 3pm no tennis														
2pm																		
3pm	Private Lesson	Red Ball	Red Ball	Private Lesson														
4pm	Private Lesson	Orange Ball Derek Gleason	Orange Ball Ella Chapman	Private Lesson [Rebecca Rothwell]														
5pm	Private Lesson [Alison Roberts, Lucy Kennard]	Private Lessons [Elodie Makrafal]	Private Lesson [Faye Hou]															
6pm	(M <sup>rs</sup> ) James Choi 6pm - 7pm	Private Lesson [Chloe Little, Sophie Little]	Yi-Ching Wang 0405198389 6pm - 7pm															
7pm	(M <sup>rs</sup> ) James Farge 0401039219	Tom Donaldson 6:30pm - 8: 30pm Would like to move to court 4	Peter Edward 0409513535 7pm - 9pm															
8pm	Andrew Hector 8pm - 9:30pm	James 0488500451 8:30pm - 10pm paid																
9pm																		
10pm																		
11pm																		





	Court 1	Court 2	Court 3	Court 4														
6am																		
7am	Redlands 6:30am - 8am	Redlands 6:30am - 8am	Redlands 6:30am - 8am	Redlands 6:30am - 8am														
8am		Private Lesson	(Mr) Richard Sands 0409195062	Private Lesson Rebecca Rothwell, Josie														
9am																		
10am	Ladies Clinic 9:30am - 10:30am																	
11am																		
12pm																		
1pm																		
2pm																		
3pm																		
4pm	Lucas 4pm - 5pm	Private Lesson	Private Lesson	Green Ball Boris Burkhardt														
5pm	Christine L Estrange 0416114236		Development Squad Derek Gleeson	Private Lesson Aryana Malli														
6pm	monica heinrich 6pm - 7pm																	
7pm	Prue Hill 0434015630 7pm - 8pm	Ian Masters 0411100916 7pm - 9pm	Ian Masters 0411100916 7pm - 9pm	Bernie Zicat 0411605619 7pm - 9pm														
8pm																		
9pm	Paul Hunter 0412764682 8:30pm - 9pm	(Mr) Richard Sands 0409195062	Cullen Dealief 0403440170 9pm - 10pm															
10pm																		
11pm																		



APPENDIX B – CAR PARK SURVEY RESULTS



**R.O.A.R. DATA**  
**Reliable, Original & Authentic Results**  
 Ph. Mob.0418-239019

Client : Auswide Consulting  
 Job No / Name : 7726 NORTH SYDNEY Primrose Park  
 Day/Date : Saturday 6th August 2022



ZONE	Location	Cap	0800	0900	1000	1100	1200	1300	1400	1500	1600
A	Denos Lane North / Side	19	17	19	18	15	13	8	5	13	13
A 1	Denos Lane South / Side	15	15	15	15	9	10	5	5	14	12
B	Young St East / Side	9	5	8	7	4	4	2	3	3	4
C	Young St East / Side	3	3	3	3	3	2	3	3	2	3
D	Young St East / Side	12	12	12	12	11	4	6	7	11	9
E	Young St East / Side	29	26	28	28	20	15	18	22	21	19
F	Young St West / Side	10	9	10	10	10	6	6	5	3	4
G	Young St West / Side	26	21	26	26	23	20	22	22	25	23
H	Young St West / Side	5	3	4	5	3	4	2	1	1	2
I	Earle St South / Side	14	14	14	13	13	10	11	10	12	11
J	Earle St South / Side	18	8	8	8	8	7	9	9	8	8
K	Earle St North / Side	20	12	12	11	12	9	10	10	11	11
L	Earle St North / Side	4	11	13	14	11	6	7	7	7	7
M	View St East / Side	3	2	3	3	3	3	3	3	2	1
N	View St West / Side	7	6	7	7	4	5	4	4	4	4
O	Grafton St West / Side	3	0	0	1	0	0	0	1	1	1
P	Grasmere Rd North / Side	NS	0	0	0	0	0	0	0	0	0
Q	Grasmere Rd South / Side	7	5	5	5	6	4	5	5	5	5
R	Benelong Rd West / Side	21	14	16	13	14	11	13	14	15	14
S	Benelong Rd West / Side	42	35	33	30	30	35	30	29	30	30
T	Benelong Rd East / Side	32	25	25	26	22	19	20	22	20	23
U	Benelong Rd East / Side	13	7	6	7	7	6	5	4	5	6
V	Brightmore St North / Side	27	16	15	14	11	11	14	16	15	16
W	Brightmore St South / Side	6	6	5	5	5	3	5	5	4	4
X	Brightmore St South / Side	25	18	18	15	13	14	18	20	15	14
Y	Little Young St North / Side	8	8	8	8	6	5	5	5	7	7
Z	Little Young St South / Side	6	6	6	6	5	5	4	4	5	5
	Benelong Lane	15	11	12	12	11	8	9	10	12	12
	<b>Car Parks</b>										
CP 1	Primrose Park	57	40	55	57	23	15	23	32	39	36
CP 2	Young St	27	27	27	27	27	26	22	18	27	22
<b>Total of Vehicles Parked</b>		<b>483</b>	<b>382</b>	<b>413</b>	<b>406</b>	<b>329</b>	<b>280</b>	<b>289</b>	<b>301</b>	<b>337</b>	<b>326</b>
<b>Number of Vacant Spaces</b>			101	70	77	154	203	194	182	146	157
<b>% of Capacity Used</b>			79.1%	85.5%	84.1%	68.1%	58.0%	59.8%	62.3%	69.8%	67.5%



**R.O.A.R. DATA**  
**Reliable, Original & Authentic Results**  
 Ph. Mob.0418-239019

Client : Auswide Consulting  
 Job No / Name : 7726 NORTH SYDNEY Primrose Park  
 Day/Date : Thursday 11th August 2022



ZONE	Location	Cap	1600	1700	1800	1900	2000	2100
A	Denos Lane North / Side	19	4	7	11	15	6	0
A 1	Denos Lane South / Side	15	4	4	9	14	7	0
B	Young St East / Side	9	4	4	2	4	5	1
C	Young St East / Side	3	3	3	3	3	2	2
D	Young St East / Side	12	7	8	8	10	10	10
E	Young St East / Side	29	15	13	13	12	17	20
F	Young St West / Side	10	3	4	5	4	4	4
G	Young St West / Side	26	12	13	17	19	23	20
H	Young St West / Side	5	4	3	0	5	5	0
I	Earle St South / Side	14	8	14	14	13	11	11
J	Earle St South / Side	18	8	7	9	8	10	11
K	Earle St North / Side	20	13	15	10	11	15	15
L	Earle St North / Side	4	8	7	6	6	7	6
M	View St East / Side	3	2	2	1	2	2	2
N	View St West / Side	7	3	3	2	2	2	2
O	Grafton St West / Side	3	0	1	1	1	2	1
P	Grasmere Rd North / Side	NS	0	0	0	0	0	0
Q	Grasmere Rd South / Side	7	3	3	3	2	2	2
R	Benelong Rd West / Side	21	19	19	17	17	17	19
S	Benelong Rd West / Side	42	32	33	35	36	33	34
T	Benelong Rd East / Side	32	25	21	22	23	25	25
U	Benelong Rd East / Side	13	5	4	7	7	5	6
V	Brightmore St North / Side	27	16	18	18	18	22	21
W	Brightmore St South / Side	6	2	5	4	4	5	6
X	Brightmore St South / Side	25	17	18	18	19	22	20
Y	Little Young St North / Side	8	4	5	6	7	7	7
Z	Little Young St South / Side	6	3	2	3	3	4	4
	Benelong Lane	15	9	10	8	10	11	12
	<b>Car Parks</b>							
CP 1	Primrose Park	57	11	10	18	28	24	7
CP 2	Young St	27	4	7	17	27	18	0
<b>Total of Vehicles Parked</b>		<b>483</b>	<b>248</b>	<b>263</b>	<b>287</b>	<b>330</b>	<b>323</b>	<b>268</b>
<b>Number of Vacant Spaces</b>			235	220	196	153	160	215
<b>% of Capacity Used</b>			<b>51.3%</b>	<b>54.5%</b>	<b>59.4%</b>	<b>68.3%</b>	<b>66.9%</b>	<b>55.5%</b>





# Primrose Park – Acoustic Assessment

North Sydney Council

Report number: 220406 - Primrose Park - Acoustic Assessment - R0  
Date: 21 September 2022  
Version: Issue 1



North Sydney Council

**DOCUMENT CONTROL**

<b>Project Name</b>	Primrose Park – Acoustic Assessment
<b>Project Number</b>	220406
<b>Report Reference</b>	220406 - Primrose Park - Acoustic Assessment - R0
<b>Client:</b>	North Sydney Council

Rev	Description	Reference	Date	Prepared	Checked	Authorised
0	Issue 1	220406 - Primrose Park - Acoustic Assessment - R0	21 September 2022	Alex Danon	Ben White	Ben White

## PREPARED BY:

Pulse White Noise Acoustics Pty Ltd  
 ABN 95 642 886 306  
 Level 5, 73 Walker Street, North Sydney, 2060  
 1800 4 PULSE

This report has been prepared by Pulse White Noise Acoustics Pty Ltd with all reasonable skill, care and diligence, and taking account of the timescale and resources allocated to it by agreement with the Client. Information reported herein is based on the interpretation of data collected, which has been accepted in good faith as being accurate and valid.

This report is for the exclusive use of North Sydney Council  
 No warranties or guarantees are expressed or should be inferred by any third parties.  
 This report may not be relied upon by other parties without written consent from Pulse White Noise Acoustics.  
 This report remains the property of Pulse White Noise Acoustics Pty Ltd until paid for in full by the client, North Sydney Council.

**Pulse White Noise Acoustics disclaims any responsibility to the Client and others in respect of any matters outside the agreed scope of the work.**



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## 1 INTRODUCTION

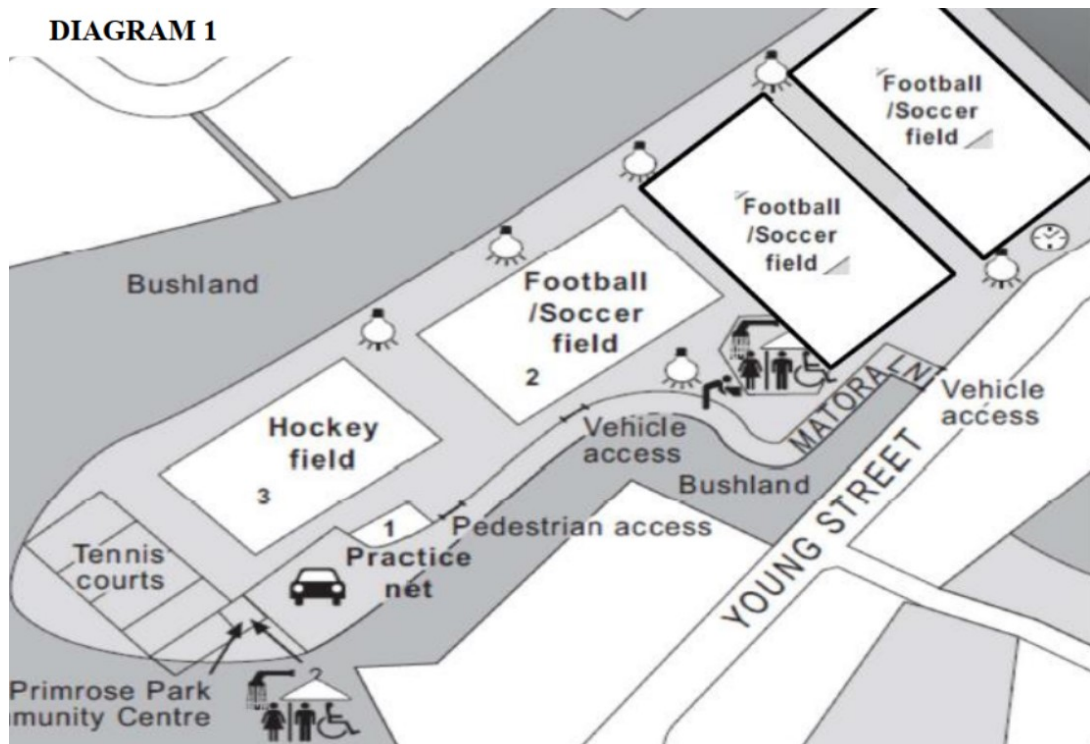
Pulse White Noise Acoustics (PWNA) have been engaged to undertake a noise impact assessment of the potential reconfiguration of the Primrose Park Sporting Fields, located in Cremorne and the resulting .

### 1.1 Project Description

The following has been extracted from the *Consultant Services Brief – Acoustic Assessment*, prepared by North Sydney Council:

*In 2018 a report was presented to Councils Sport and Recreation Reference Group with regards to the reconfiguration of Primrose Park. Council staff had completed some initial site investigations to be able to host an additional full-size pitch.*

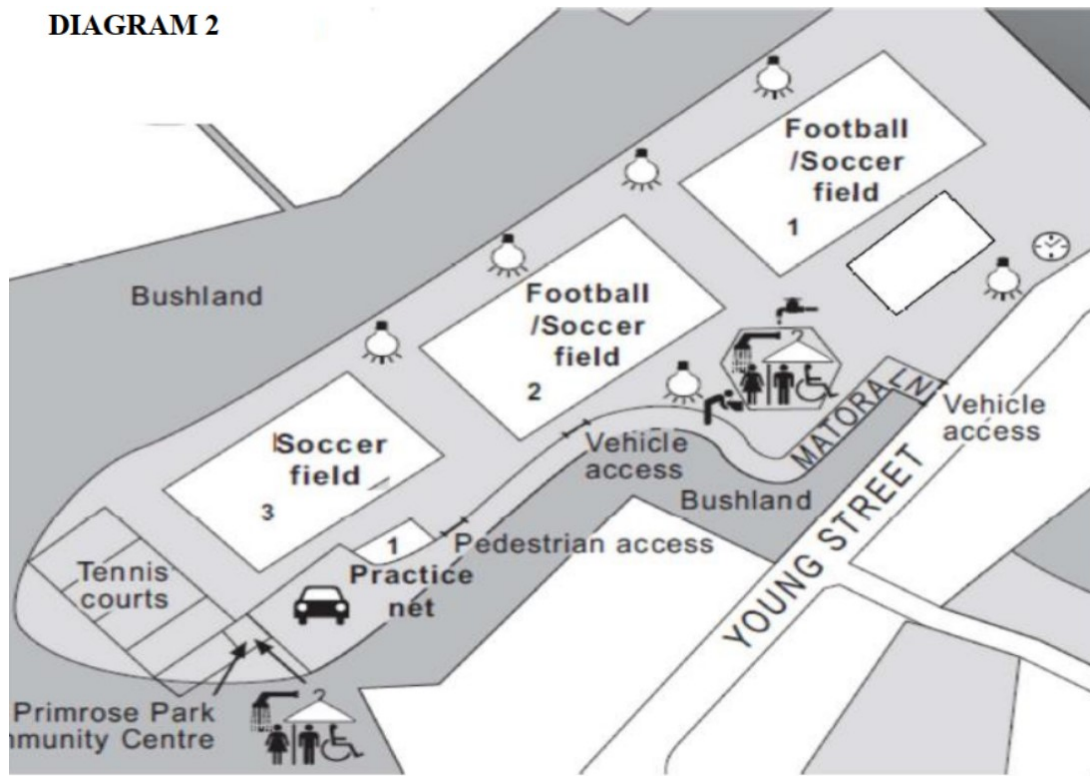
*This could be done by rotating field 1 to face north/south and adding another pitch opposite it facing the same way. This can be seen in diagram 1 below*



*At present, the configuration of Primrose Park (as seen in diagram 2 below) includes 3 playing fields running parallel to each other in and east west direction. The large turf area adjacent to field 1 hosts a 60 x 40 Soccer field utilised mainly on Saturday's during Winter.*



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**DIAGRAM 2**

The aim of this assessment is to quantify the increase in noise emissions from the site resulting from the reconfiguration, which includes the introduction of an additional football field. The assessment of potential noise impacts is to be focussed at the nearest surrounding residential receivers to the sports fields.

### 1.2 Assessment Strategy

To quantify the noise impacts to the nearest residential receivers resulting from the sports field reconfiguration, both the existing configuration and the proposed configuration have been modelled using iNoise V2022.1 modelling software.

The increase in noise emissions due to the reconfiguration could thus be quantified and determined whether these increases are significant enough to cause concern for surrounding receivers.



### 1.3 Nearest Sensitive Receivers

Several potentially impacted noise receivers are located in the vicinity of the subject site.

The receivers in this report are considered representative of the closest off-site sensitive receivers for the Primrose Park Sports Fields. The receivers utilised for noise predictions in this report are listed in Table 1-1 and presented in Figure 1 below.

**Table 1-1 Nearest Potentially Affected Receivers**

Receiver ID	Address	Type of Receiver
R1	29 Churchill Crescent, Cammeray NSW 2062	Residential
R2	23 Churchill Crescent, Cammeray NSW 2062	Residential
R3	15 Churchill Crescent, Cammeray NSW 2062	Residential
R4	9 Churchill Crescent, Cammeray NSW 2062	Residential
R5	5 Churchill Crescent, Cammeray NSW 2062	Residential
R6	50-52 Earle Street, Cremorne NSW 2090	Residential
R7	106 Young Street, Cremorne NSW 2090	Residential
R8	112 Young Street, Cremorne NSW 2090	Residential
R9	139 Young Street, Cremorne NSW 2090	Residential
R10	147 Young Street, Cremorne NSW 2090	Residential
R11	153 Young Street, Cremorne NSW 2090	Residential





Figure 1 Site Map, Measurement Locations and Surrounding Receivers – Sourced from SixMaps NSW





## 2 EXISTING ACOUSTIC ENVIRONMENT

### 2.1 Noise Descriptors and Terminology

Environmental noise constantly varies in level with time. Therefore, it is necessary to measure noise in terms of quantifiable time periods with statistical descriptors. Typically, environmental noise is measured over 15 minute periods and relevant statistical descriptors of the fluctuating noise are determined to quantify the measured level.

Noise (or sound) consists of minute fluctuations in atmospheric pressure capable of detection by human hearing. Noise levels are expressed in terms of decibels, abbreviated as dB or dBA, the "A" indicating that the noise levels have been frequency weighted to approximate the characteristics of normal human hearing. Because noise is measured using a logarithmic scale, 'normal' linear arithmetic does not apply, e.g., adding two sound sources of equal values result in an increase of 3 dB (i.e., 60 dBA plus 60 dBA results in 63 dBA). A change of 1 dB or 2 dB in the sound level is difficult for most people to detect, whilst a 3 dB – 5 dB change corresponds to a small but noticeable change in loudness. A 10 dB change roughly corresponds to a doubling or halving in loudness.

The most relevant environmental noise descriptors are the LAeq, LA1, LA10 and LA90 noise levels. The LAeq noise level represents the "equivalent energy average noise level". This parameter is derived by integrating the noise level measured over the measurement period. It represents the level that the fluctuating noise with the same acoustic energy would be if it were constant over the measured time period.

The LA1, LA10 and LA90 levels are the levels exceeded for 1%, 10% and 90% of the sample period. These levels can be considered as the maximum noise level, the average repeatable maximum and average repeatable minimum noise levels, respectively.

Specific acoustic terminology is used in this assessment report. An explanation of common acoustic terms is included in Appendix A.

### 2.2 Unattended Noise Monitoring

#### 2.2.1 Monitoring Details

To determine the background noise levels at nearby residential receivers, long term unattended noise monitoring was conducted at three (3) representative locations around the subject site. The location of the noise monitoring is shown in Figure 1.

The noise logger data was used to calibrate an iNoise model against the existing sports field layout, such that the noise of sporting activities, measured over two weekends, could be quantified. These levels could then be used to model the reconfigured sports field.

It should also be noted that the noise monitoring was undertaken during August whilst the Winter season was running. This is the busiest sporting season, and therefore the measured noise levels represent a worst-case noise generating scenario for the site.

#### 2.2.2 Monitoring Instrumentation

Instrumentation used for the noise survey comprised of one RION NL-42 type sound level meter (serial number 00998079) fitted with a microphone windshield, one RION NL-42 type sound level meter (serial number 01000233) fitted with a microphone windshield, and one SVAN 971 type sound level meter (serial number 103360) fitted with a microphone windshield. Calibration of the loggers was checked prior to and following the measurements. Drift in calibration did not exceed  $\pm 0.5$  dBA. All equipment carried appropriate and current NATA (or manufacturer) calibration certificates.

Charts presenting summaries of the measured daily noise data are attached in Appendix B, Appendix C and Appendix D. These charts, representing each 24 hour period, show the LA10, LAeq and LA90 noise levels measured over 15 minute time periods.



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Logging was conducted at all three locations from Friday 12<sup>th</sup> August 2022 to Monday 22<sup>nd</sup> August 2022. The measurement results have been filtered to remove data affected by adverse weather conditions, such as excessively windy or rainy time periods, as recorded by the nearest Bureau of Meteorology weather station at Observatory Hill (AWS 066214). Detailed noise logging results are shown in Appendix B, Appendix C and Appendix D.

The measured background noise data of the loggers was processed in accordance with the recommendations contained in the NSW Environment Protection Authority's (EPA) *Noise Policy for Industry* (NPI).

The Rating Background Noise Level (RBL) is the background noise level used for assessment purposes at the nearest potentially affected receiver. It is the 90<sup>th</sup> percentile of the daily background noise levels during each assessment period, being day, evening and the night. The RBL LA90 (15minute) and LAeq noise levels are presented in Table 2-1 for the unattended logging. The measured noise levels are considered to be representative of the levels to be expected at the nearest and most affected residence to the proposed development.

**Table 2-1 Measured ambient noise levels in accordance with the NSW NPI**

Measurement Location	Daytime <sup>1</sup> 7:00 am to 6:00 pm		Evening <sup>1</sup> 6:00 pm to 10:00 pm		Night-time <sup>1</sup> 10:00 pm to 7:00 am	
	LA90 <sup>2</sup>	LAeq <sup>3</sup>	LA90 <sup>2</sup>	LAeq <sup>3</sup>	LA90 <sup>2</sup>	LAeq <sup>3</sup>
<b>Logger Location 1 (North-East Residents) – see Figure 1</b>	37	51	33	44	27	43
<b>Logger Location 2 (North-West Residents) – see Figure 1</b>	38	48	34	44	28	41
<b>Logger Location 3 (South-East Residents) – see Figure 1</b>	40	53	38	48	31	46

*Note 1: For Monday to Saturday, Daytime 7:00 am – 6:00 pm; Evening 6:00 pm – 10:00 pm; Night-time 10:00 pm – 7:00 am. On Sundays and Public Holidays, Daytime 8:00 am – 6:00 pm; Evening 6:00 pm – 10:00 pm; Night-time 10:00 pm – 8:00 am*

*Note 2: The LA90 noise level is representative of the "average minimum background sound level" (in the absence of the source under consideration), or simply the background level.*

*Note 3: The LAeq is the energy average sound level. It is defined as the steady sound level that contains the same amount of acoustical energy as a given time-varying sound.*



### 3 OPERATIONAL ACOUSTIC ASSESSMENT

Predictive noise modelling was carried out using the ISO 9613 algorithm within iNoise 2021. The iNoise software package allows a 3D computational model of the site and surrounding area to be created. Inputs into the noise model included terrain, ground absorption, buildings, fences, receiver locations and noise sources.

#### 3.1 Noise Generating Scenarios

The area source noise levels of each individual football field has been based on the noise levels measured during Saturday sporting events at all three locations (see Appendices B, C and D). From these levels, the noise emissions from the existing configuration could be modelled. By adding an additional football field, the noise emissions from the reconfigured sports field scenario could then be predicted.

The worst case scenario, whereby all of the fields within the park are being used simultaneously, has been modelled as a 15 minute scenario, with the following inputs.

#### 3.2 Modelling Assumptions

The following modelling assumptions are utilised in this noise impact assessment:

- The noise generating scenario is modelled for a worst case 15 minute period;
- Terrain has been sourced from the NSW Land and Property Information database Six Maps;
- Ground Absorption has been included in the model with the surrounding grass areas having an absorption factor of 0.7, dense bushland having an absorption factor of 1.0 and surrounding hard surfaces having a ground absorption factor of 0.
- Receivers are modelled at the most affected window location overlooking the park above ground level;
- Noise contours are calculated at a height of 5m above the ground;
- Noise-enhancing weather conditions have been accounted for in the modelling. In line with Fact Sheet D of the NPfI, Option 1 has been selected to consider meteorological effects (see below extract); this represents a conservative assessment methodology.

*Adopt the **noise-enhancing meteorological conditions** for all assessment periods for noise impact assessment purposes without an assessment of how often these conditions occur – a conservative approach that considers source-to-receiver wind vectors for all receivers and F class temperature inversions with wind speeds up to 2 m/s at night.*



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### 3.3 Predicted $L_{Aeq, 15 \text{ min}}$ Noise Levels

The predicted  $L_{Aeq, 15 \text{ min}}$  results for the existing and reconfigured sports field models are presented below in Table 3-1. Noise contours of the modelled  $L_{Aeq, 15 \text{ min}}$  operational scenarios are shown in the below figures.

**Table 3-1 Predicted Noise Levels for Existing and Reconfigured Sports Field Layouts,  $L_{Aeq}$  (15 minute)**

Receiver	Receiver Type	Predicted Noise Levels (dBA)		Difference (dBA)
		Existing Sports Field Layout	Reconfigured Sports Field Layout	
R1	Residential	43	45	+2
R2	Residential	44	45	+1
R3	Residential	45	46	+1
R4	Residential	45	45	0
R5	Residential	43	44	+1
R6	Residential	43	43	0
R7	Residential	44	45	+1
R8	Residential	45	46	+1
R9	Residential	41	43	+2
R10	Residential	41	44	+3
R11	Residential	42	45	+3

In accordance with section 4.2 of the NSW EPA NPfI, an exceedance of 2 dBA is negligible and would not be discernible by the average listener and therefore would not warrant receiver-based treatments or controls. As such, the differences due to the reconfiguration are considered acoustically acceptable for Receiver 1 to Receiver 9.

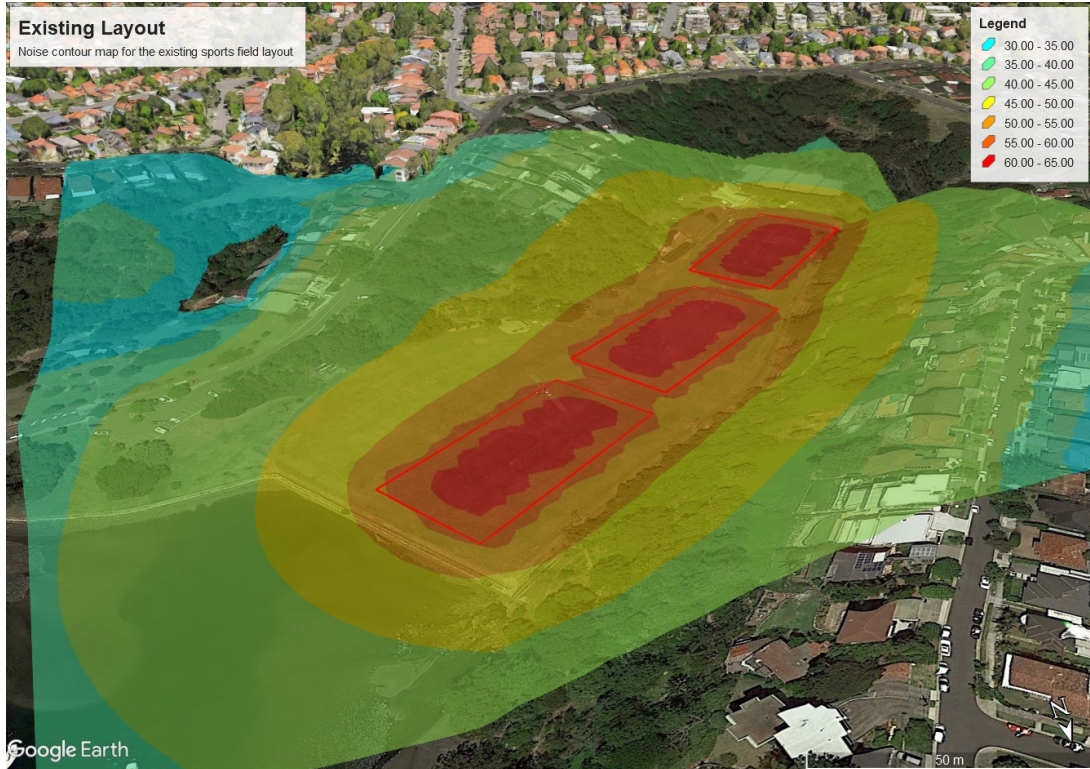
In accordance with section 4.2 of the NSW EPA NPfI, an exceedance of 3 dBA is marginal. Given the time of day when the park is to be utilised, which does not include sensitive periods such as night time, an exceedance of 3 dB at Receiver 10 and Receiver 11 is considered to be acoustically acceptable. Based on the results of the assessment the following is discussed:

1. The assessment of noise from the use of the fields includes a period with potential for all fields to be used simultaneously and with the expected noisiest sporting events in operation.
2. In the event activities are not conducted simultaneously, or with noise levels which do not represent maximum noise levels, then the resulting noise levels would be less than those predicted in the tables above.
3. The predicted noise levels at receiver locations 10 and 11 include  $L_{Aeq, 15 \text{ min}}$  noise levels which are similar to those which occur during the daytime hours and recorded by the noise loggers around the park (see Appendices B, C and D).





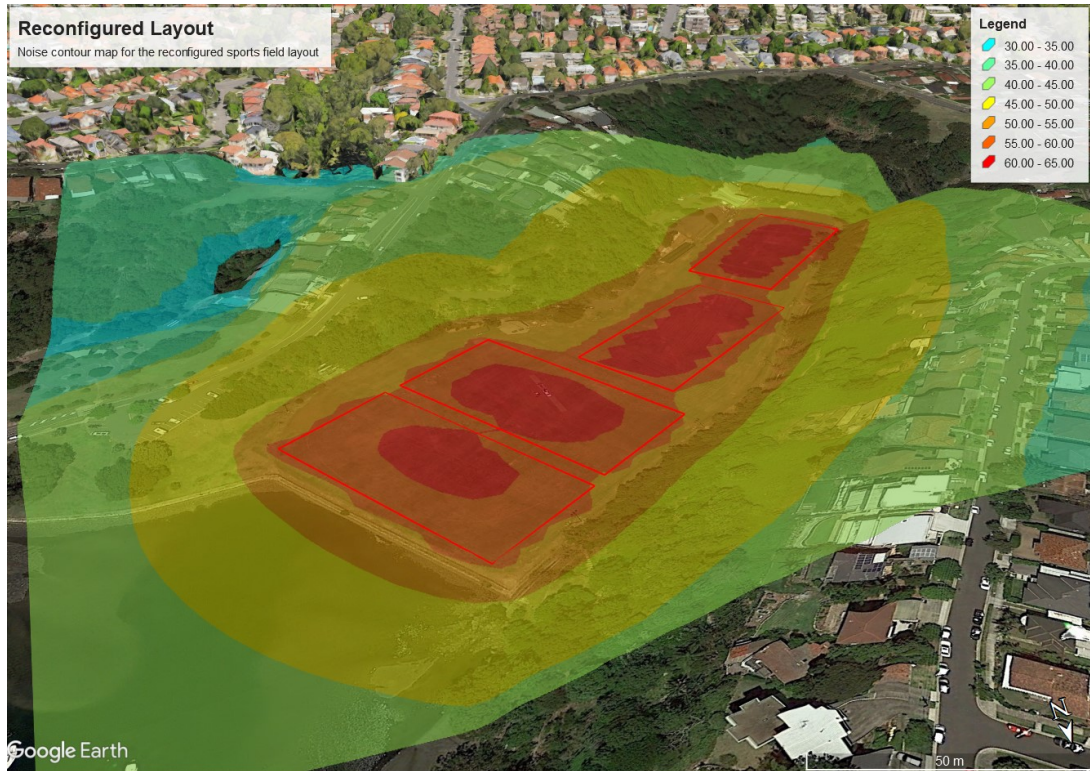
**Figure 2 Noise Contour Map for the Existing Sports Field Layout,  $L_{Aeq}$  (15 minute)**







**Figure 3 Noise Contour Map for the Reconfigured Sports Field Layout,  $L_{Aeq}$  (15 minute)**





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#### 4 CONCLUSIONS

Pulse White Noise Acoustics (PWNA) have been engaged to undertake a noise impact assessment of the potential reconfiguration of the Primrose Park Sporting Fields, located in Cremorne.

This assessment includes an investigation into the existing noise levels resulting from the use of the sports fields as well as the future noise levels resulting from the proposed reconfiguration of the sports fields within Primrose Park.

In accordance with section 4.2 of the NSW EPA NPFI, an exceedance of 2 dBA is negligible and would not be discernible by the average listener and therefore would not warrant receiver-based treatments or controls. As such, the differences due to the reconfiguration are considered acoustically acceptable for Receiver 1 to Receiver 9.

In accordance with section 4.2 of the NSW EPA NPFI, an exceedance of 3 dBA is marginal. Given the time of day when the park is to be utilised, which does not include sensitive periods such as night time, an exceedance of 3 dB at Receiver 10 and Receiver 11 is considered to be acoustically acceptable.

We trust this information is of assistance. If you have any further questions, please do not hesitate to contact the undersigned.

Regards,

A handwritten signature in black ink, appearing to read 'Alex Danon'.

**Alex Danon**

Acoustic Engineer

PULSE WHITE NOISE ACOUSTICS PTY LTD



## APPENDIX A: ACOUSTIC TERMINOLOGY

The following is a brief description of the acoustic terminology used in this report.

<i>Sound power level</i>	The total sound emitted by a source																						
<i>Sound pressure level</i>	The amount of sound at a specified point																						
<i>Decibel [dB]</i>	The measurement unit of sound																						
<i>A Weighted decibels [dB(A)]</i>	The A weighting is a frequency filter applied to measured noise levels to represent how humans hear sounds. The A-weighting filter emphasises frequencies in the speech range (between 1kHz and 4 kHz) which the human ear is most sensitive to, and places less emphasis on low frequencies at which the human ear is not so sensitive. When an overall sound level is A-weighted it is expressed in units of dB(A).																						
<i>Decibel scale</i>	The decibel scale is logarithmic in order to produce a better representation of the response of the human ear. A 3 dB increase in the sound pressure level corresponds to a doubling in the sound energy. A 10 dB increase in the sound pressure level corresponds to a perceived doubling in volume. Examples of decibel levels of common sounds are as follows: <table> <tr> <td>0dB(A)</td> <td>Threshold of human hearing</td> </tr> <tr> <td>30dB(A)</td> <td>A quiet country park</td> </tr> <tr> <td>40dB(A)</td> <td>Whisper in a library</td> </tr> <tr> <td>50dB(A)</td> <td>Open office space</td> </tr> <tr> <td>70dB(A)</td> <td>Inside a car on a freeway</td> </tr> <tr> <td>80dB(A)</td> <td>Outboard motor</td> </tr> <tr> <td>90dB(A)</td> <td>Heavy truck pass-by</td> </tr> <tr> <td>100dB(A)</td> <td>Jackhammer/Subway train</td> </tr> <tr> <td>110 dB(A)</td> <td>Rock Concert</td> </tr> <tr> <td>115dB(A)</td> <td>Limit of sound permitted in industry</td> </tr> <tr> <td>120dB(A)</td> <td>747 take off at 250 metres</td> </tr> </table>	0dB(A)	Threshold of human hearing	30dB(A)	A quiet country park	40dB(A)	Whisper in a library	50dB(A)	Open office space	70dB(A)	Inside a car on a freeway	80dB(A)	Outboard motor	90dB(A)	Heavy truck pass-by	100dB(A)	Jackhammer/Subway train	110 dB(A)	Rock Concert	115dB(A)	Limit of sound permitted in industry	120dB(A)	747 take off at 250 metres
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100dB(A)	Jackhammer/Subway train																						
110 dB(A)	Rock Concert																						
115dB(A)	Limit of sound permitted in industry																						
120dB(A)	747 take off at 250 metres																						
<i>Frequency [f]</i>	The repetition rate of the cycle measured in Hertz (Hz). The frequency corresponds to the pitch of the sound. A high frequency corresponds to a high pitched sound and a low frequency to a low pitched sound.																						
<i>Ambient sound</i>	The all-encompassing sound at a point composed of sound from all sources near and far.																						
<i>Equivalent continuous sound level [L<sub>eq</sub>]</i>	The constant sound level which, when occurring over the same period of time, would result in the receiver experiencing the same amount of sound energy.																						
<i>Reverberation</i>	The persistence of sound in a space after the source of that sound has been stopped (the reverberation time is the time taken for a reverberant sound field to decrease by 60 dB)																						
<i>Air-borne sound</i>	The sound emitted directly from a source into the surrounding air, such as speech, television or music																						
<i>Impact sound</i>	The sound emitted from force of one object hitting another such as footfalls and slamming cupboards.																						
<i>Air-borne sound isolation</i>	The reduction of airborne sound between two rooms.																						
<i>Sound Reduction Index [R] (Sound Transmission Loss)</i>	The ratio the sound incident on a partition to the sound transmitted by the partition.																						
<i>Weighted sound reduction index [R<sub>w</sub>]</i>	A single figure representation of the air-borne sound insulation of a partition based upon the R values for each frequency measured in a laboratory environment.																						
<i>Level difference [D]</i>	The difference in sound pressure level between two rooms.																						



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<i>Normalised level difference</i> [ $D_n$ ]	The difference in sound pressure level between two rooms normalised for the absorption area of the receiving room.
<i>Standardised level difference</i> [ $D_{nT}$ ]	The difference in sound pressure level between two rooms normalised for the reverberation time of the receiving room.
<i>Weighted standardised level difference</i> [ $D_{nT,w}$ ]	A single figure representation of the air-borne sound insulation of a partition based upon the level difference. Generally used to present the performance of a partition when measured in situ on site.
$C_{tr}$	A value added to an $R_w$ or $D_{nT,w}$ value to account for variations in the spectrum.
<i>Impact sound isolation</i>	The resistance of a floor or wall to transmit impact sound.
<i>Impact sound pressure level</i> [ $L_i$ ]	The sound pressure level in the receiving room produced by impacts subjected to the adjacent floor or wall by a tapping machine.
<i>Normalised impact sound pressure level</i> [ $L_n$ ]	The impact sound pressure level normalised for the absorption area of the receiving room.
<i>Weighted normalised impact sound pressure level</i> [ $L_{n,w}$ ]	A single figure representation of the impact sound insulation of a floor or wall based upon the impact sound pressure level measured in a laboratory.
<i>Weighted standardised impact sound pressure level</i> [ $L'_{nT,w}$ ]	A single figure representation of the impact sound insulation of a floor or wall based upon the impact sound pressure level measured in situ on site.
$C_I$	A value added to an $L_{nW}$ or $L'_{nT,w}$ value to account for variations in the spectrum.
<i>Energy Equivalent Sound Pressure Level</i> [ $L_{A,eq,T}$ ]	'A' weighted, energy averaged sound pressure level over the measurement period T.
<i>Percentile Sound Pressure Level</i> [ $L_{Ax,T}$ ]	'A' weighted, sound pressure that is exceeded for percentile x of the measurement period T.

\*Definitions of a number of terms have been adapted from Australian Standard AS1633:1985 "Acoustics – Glossary of terms and related symbols"



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## **APPENDIX B: UNATTENDED NOISE LOGGING – NOISE LOGGER POSITION 1 (NORTH-EAST)**

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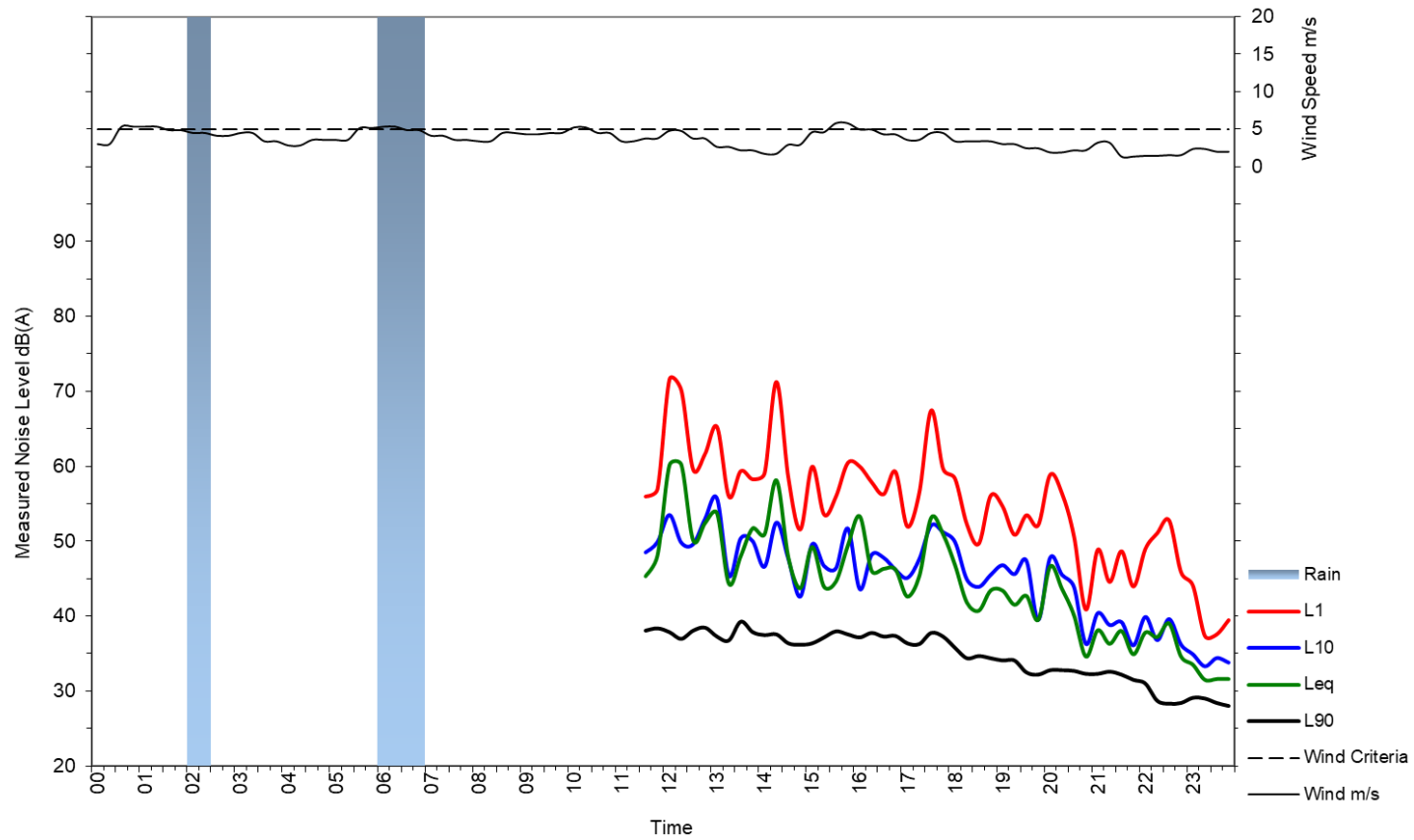
**Weather Station ID:** 066214

**Coordinates:** Lat: -33.86, Lon: 151.20, Height: 43.37 m



### Primrose Park, North-East

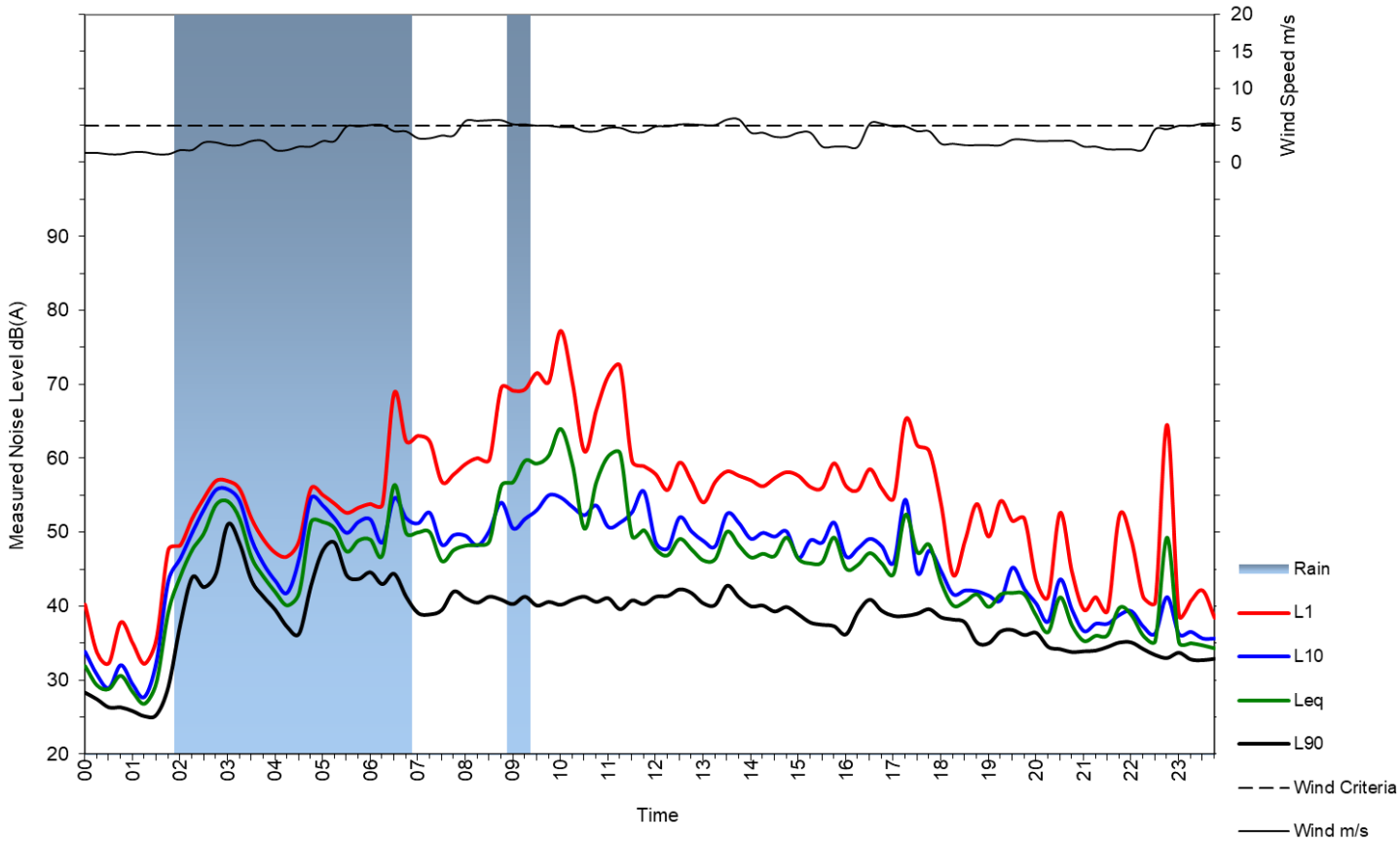
Friday 12 August 2022





### Primrose Park, North-East

Saturday 13 August 2022

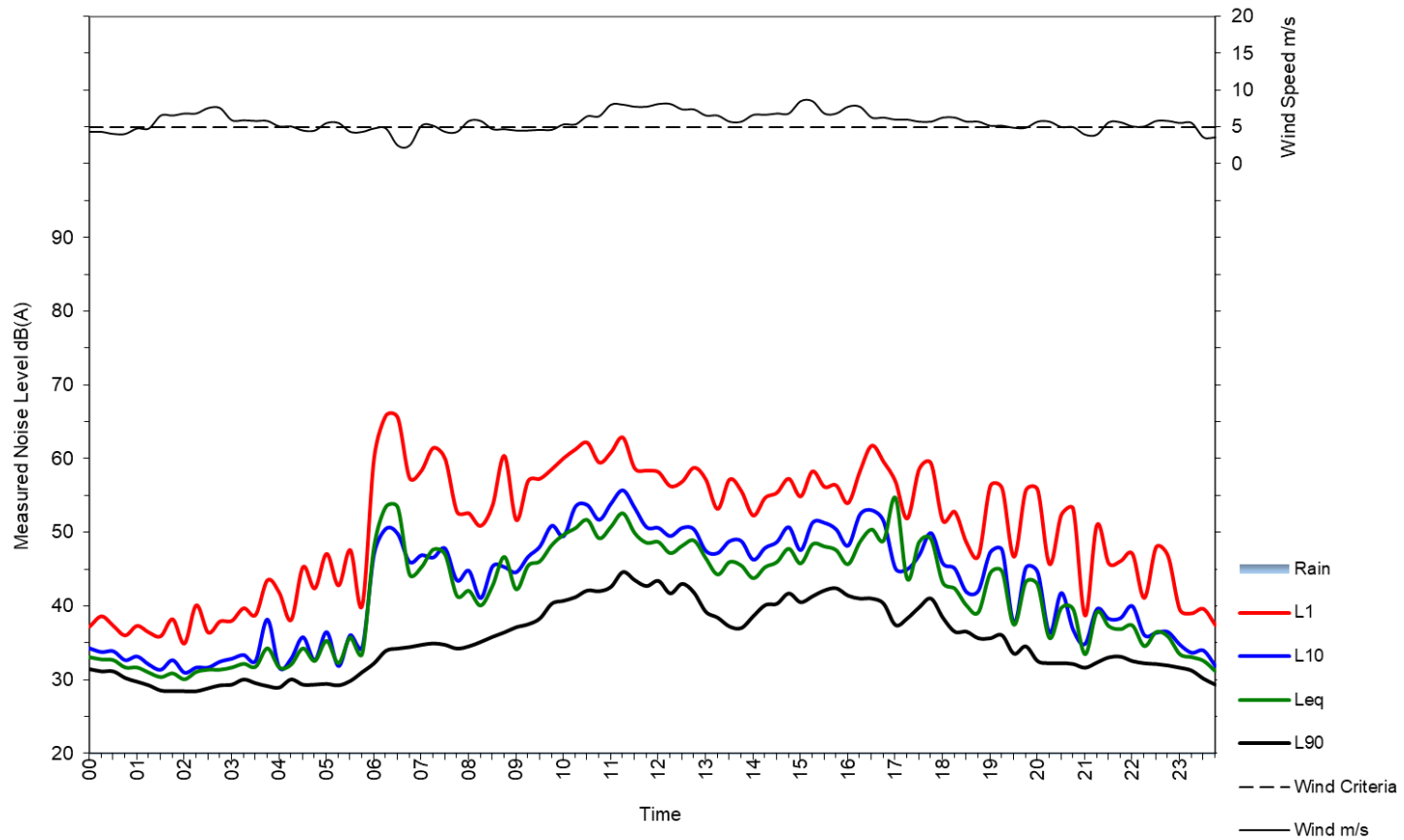






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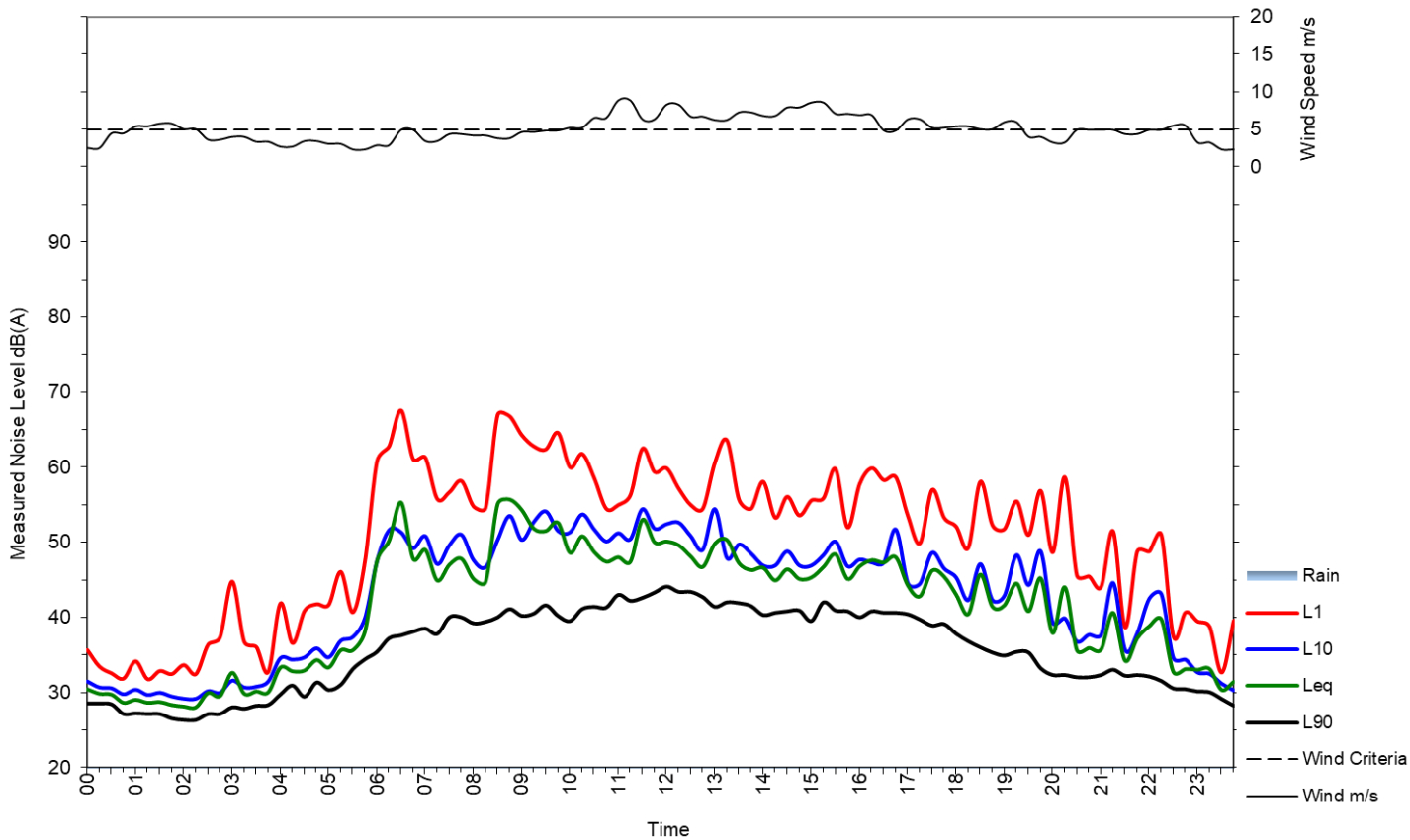
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### Primrose Park, North-East

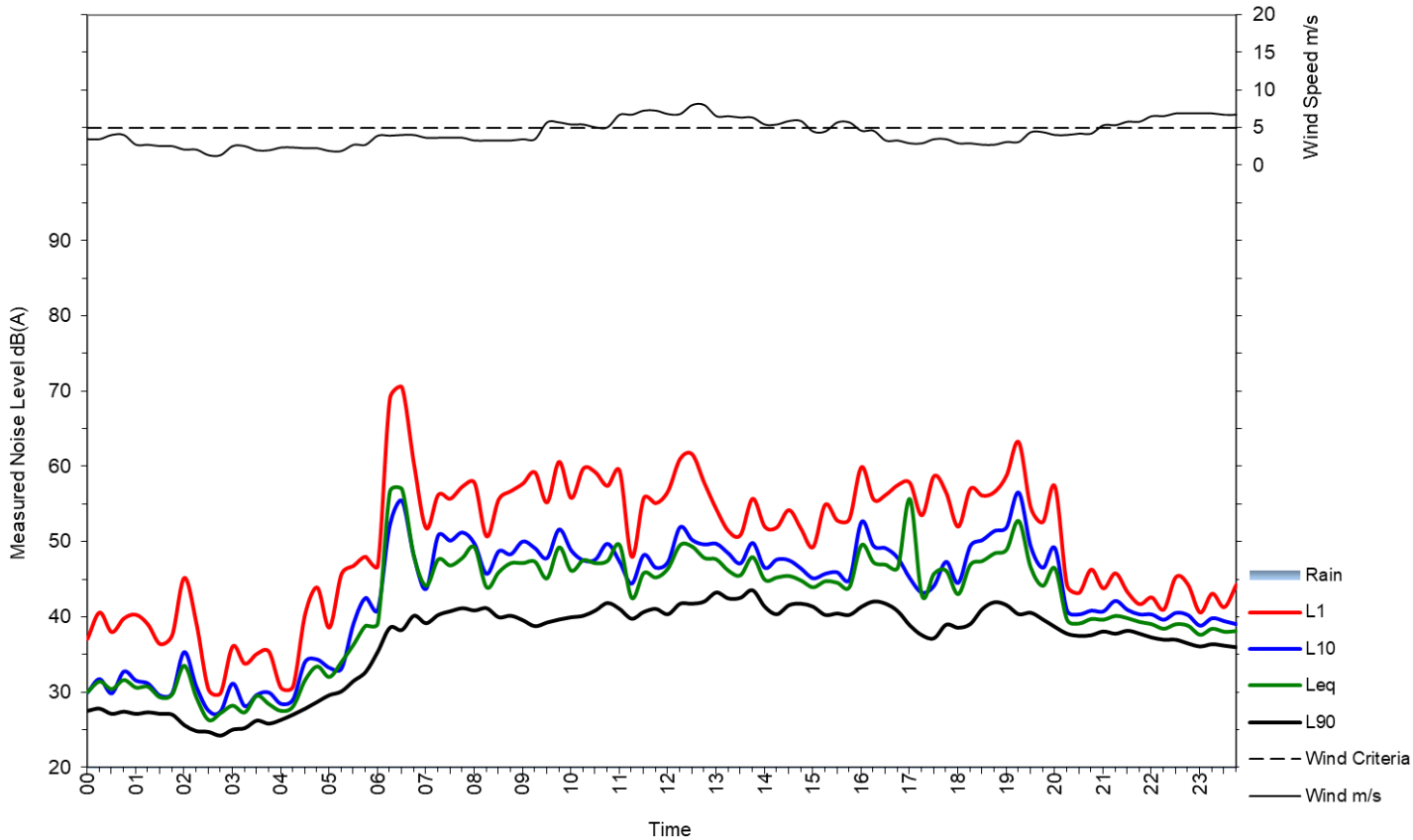
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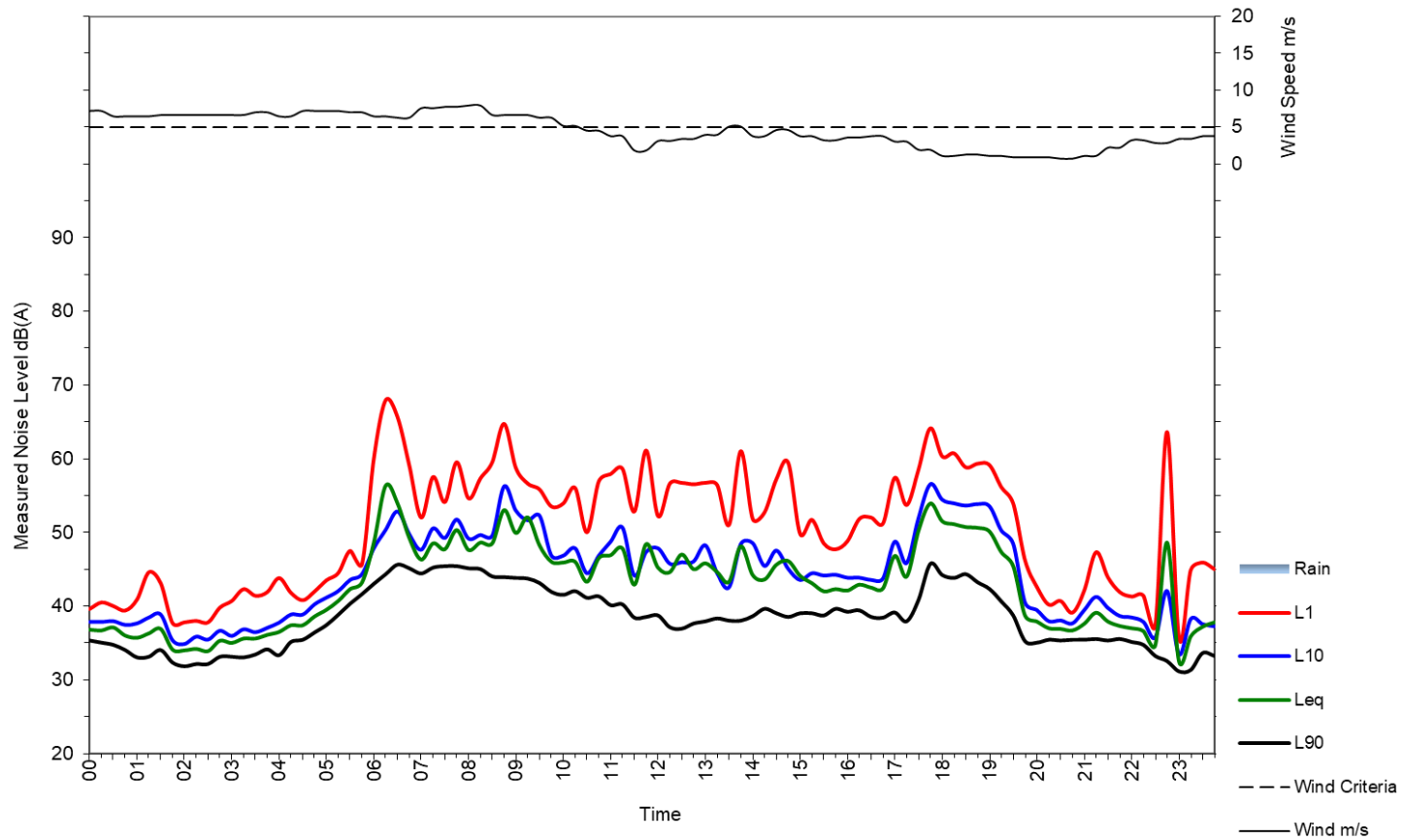
Tuesday 16 August 2022





### Primrose Park, North-East

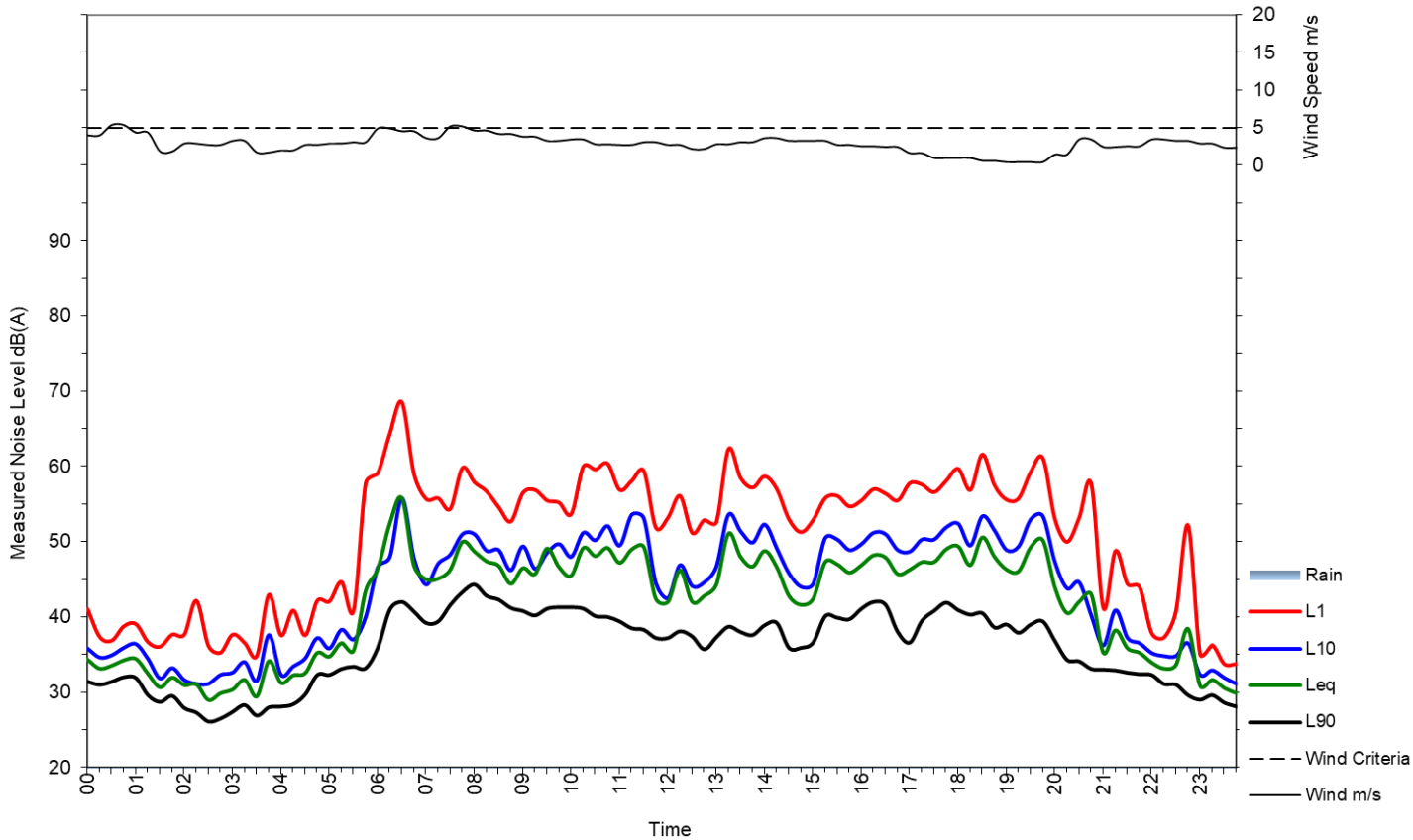
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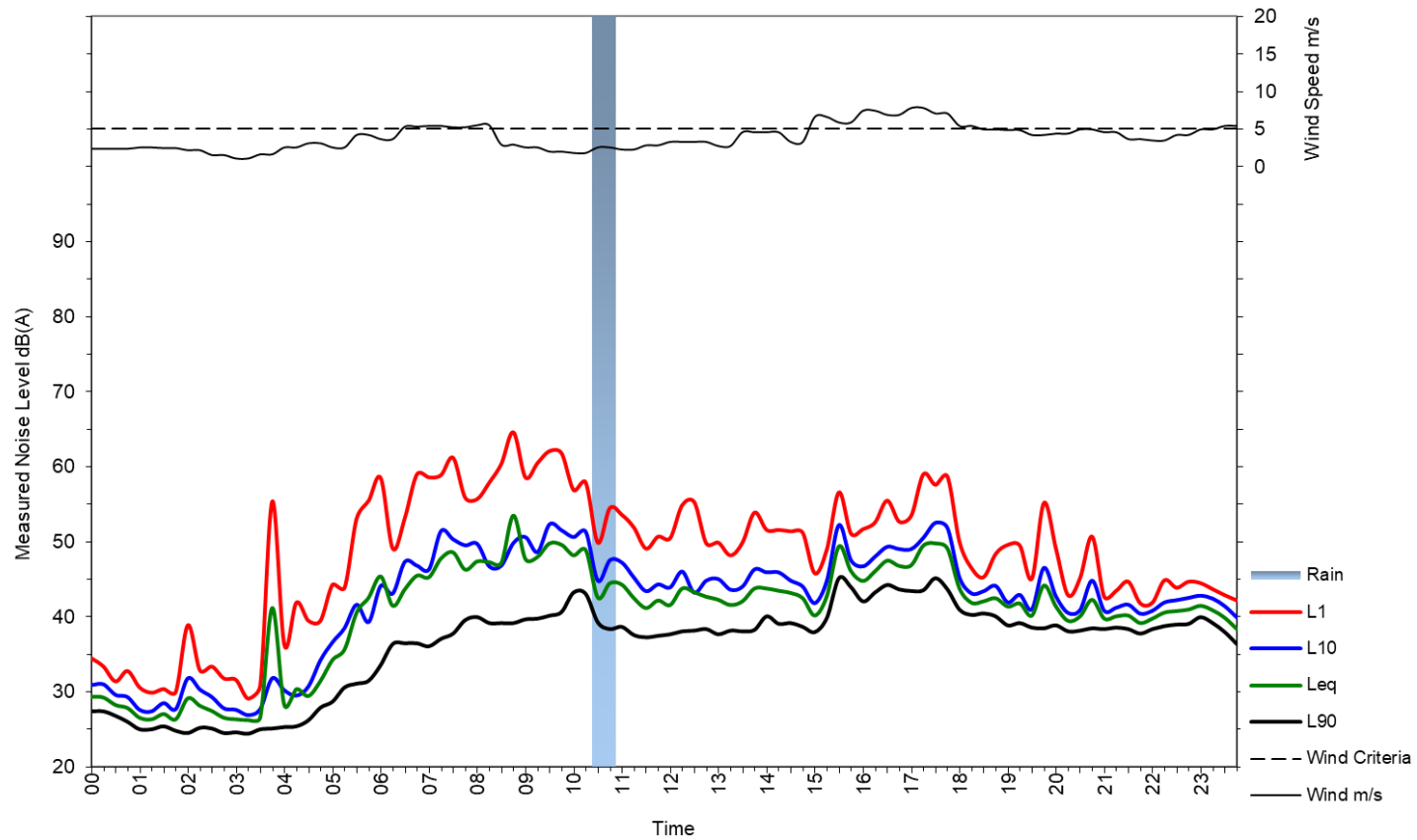
Thursday 18 August 2022





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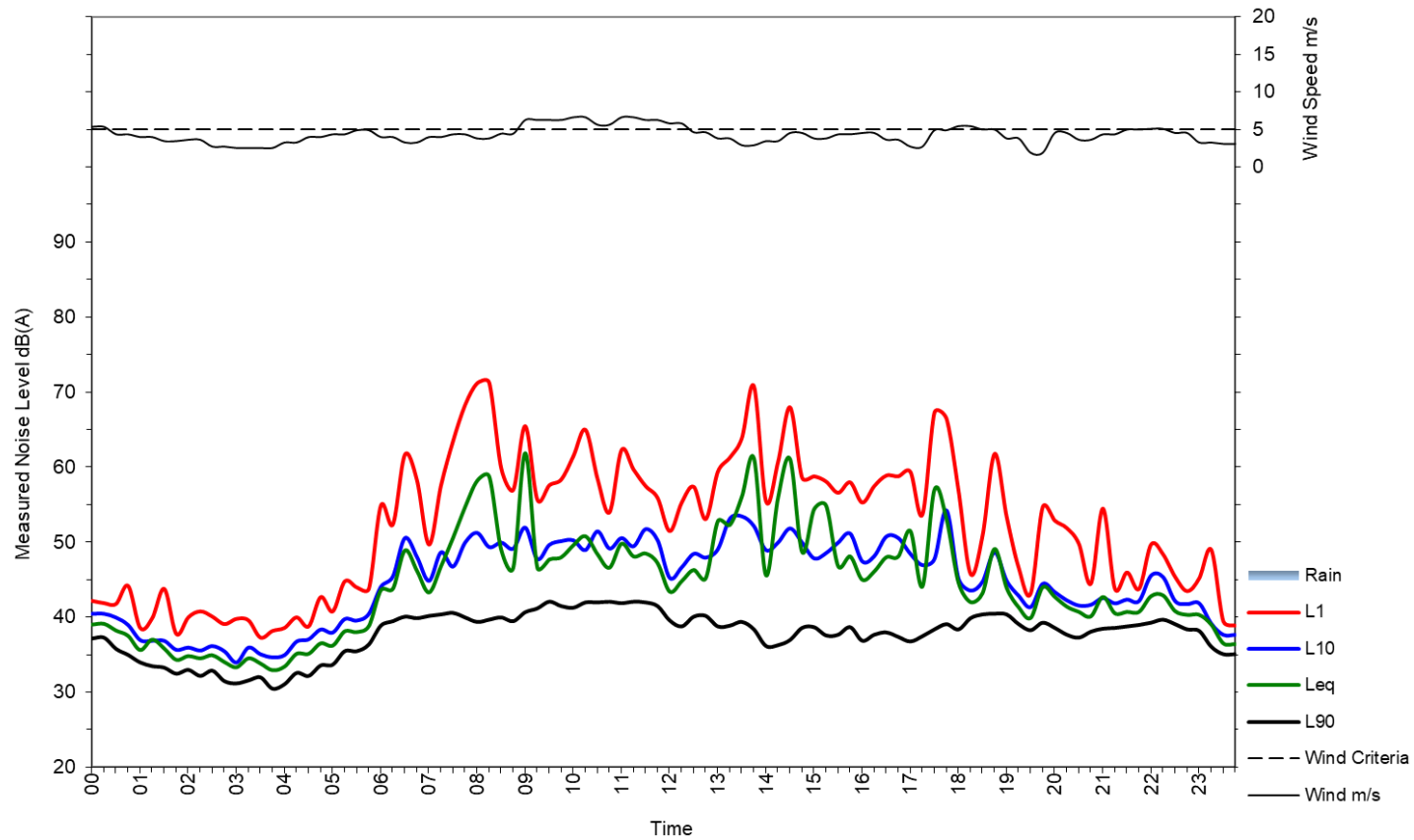
Friday 19 August 2022





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Saturday 20 August 2022

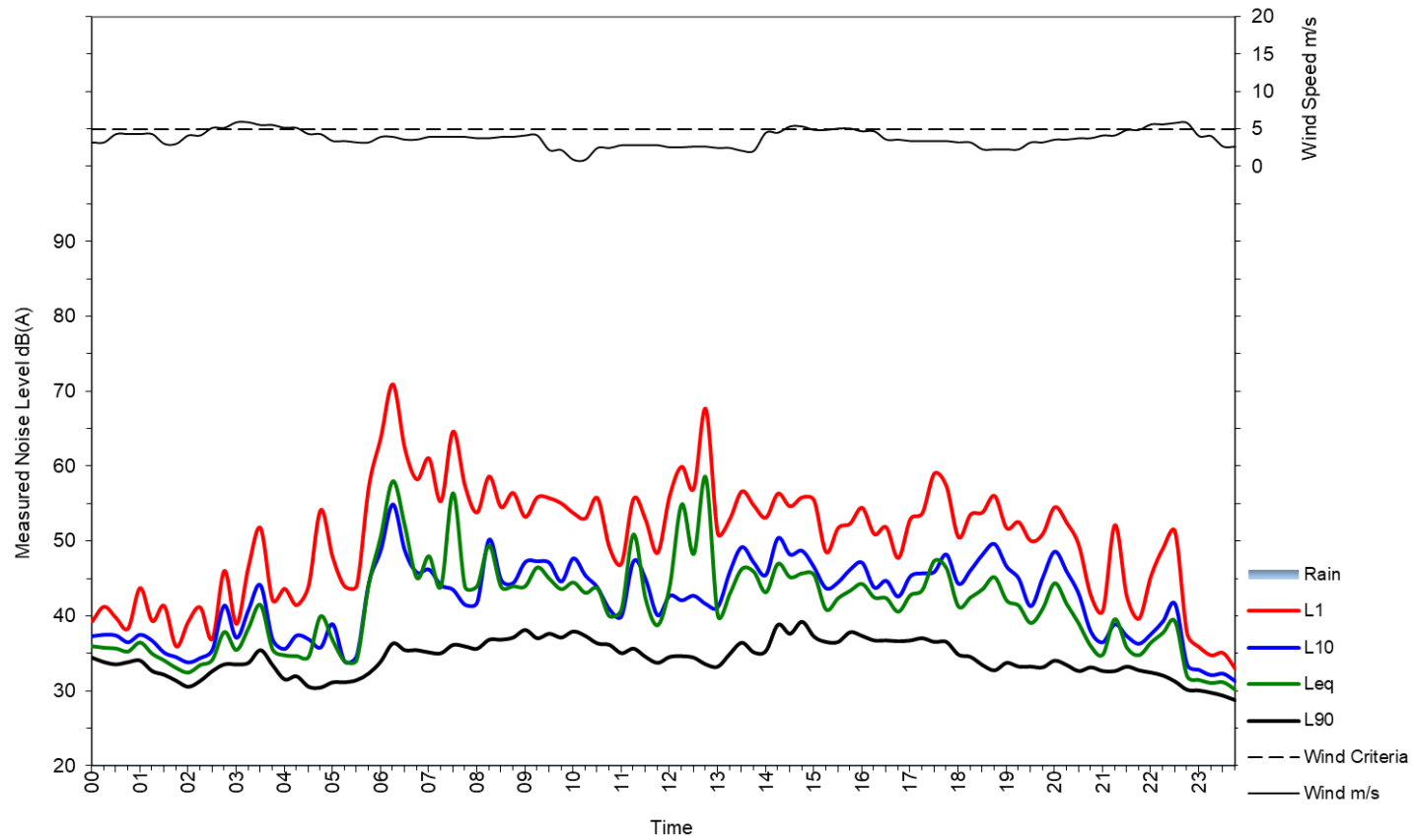






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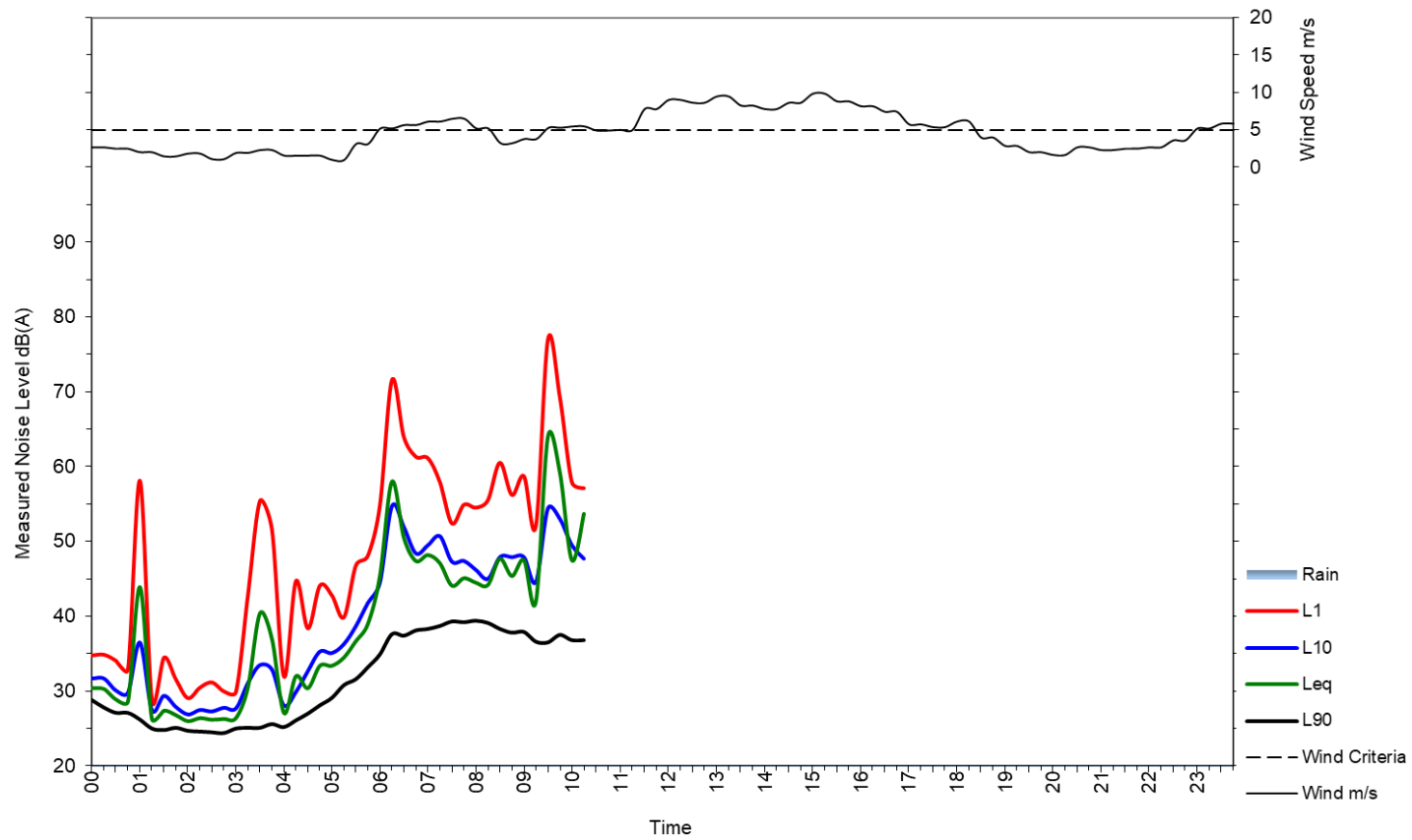
Sunday 21 August 2022





### Primrose Park, North-East

Monday 22 August 2022





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## **APPENDIX C: UNATTENDED NOISE LOGGING – NOISE LOGGER POSITION 2 (NORTH-WEST)**

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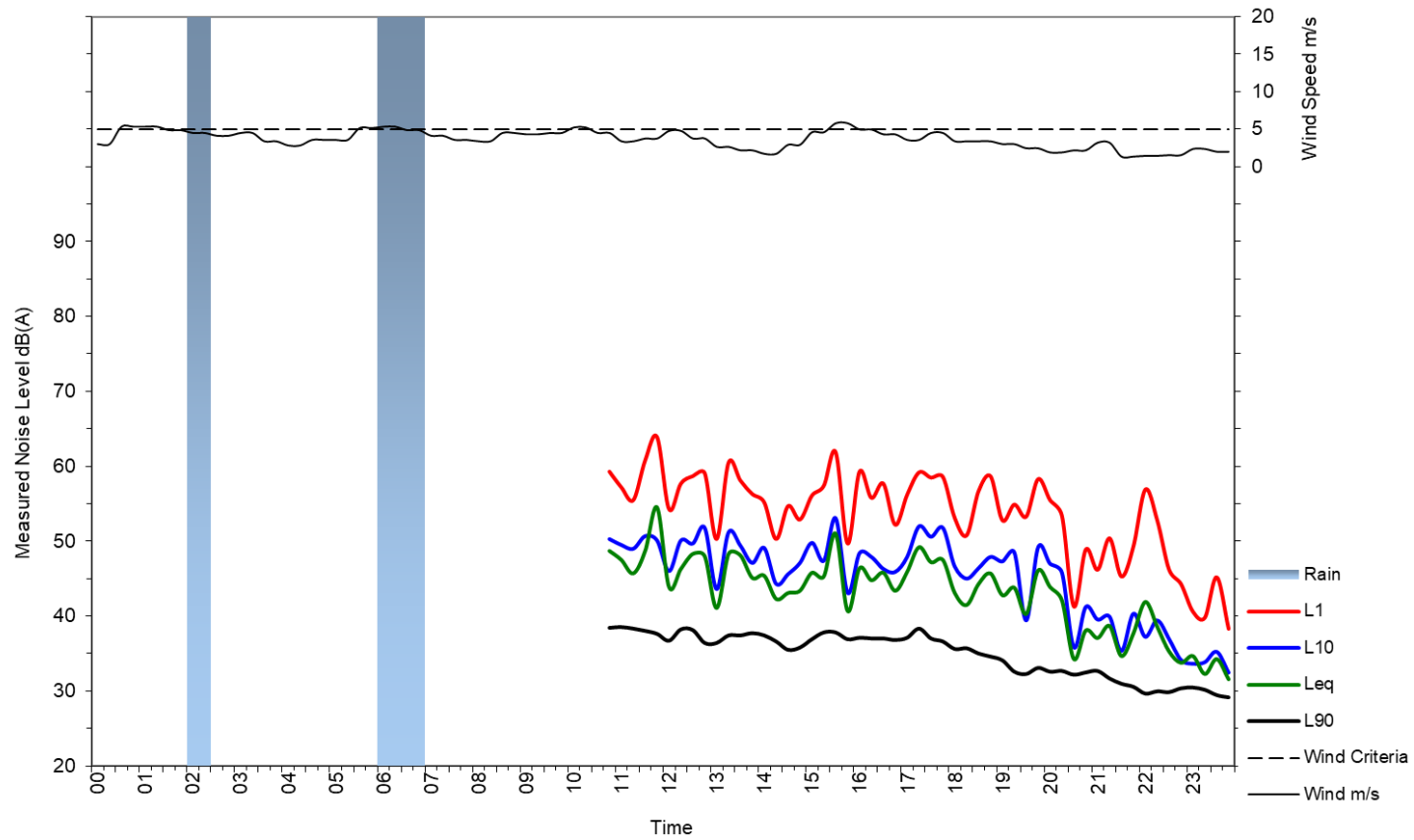
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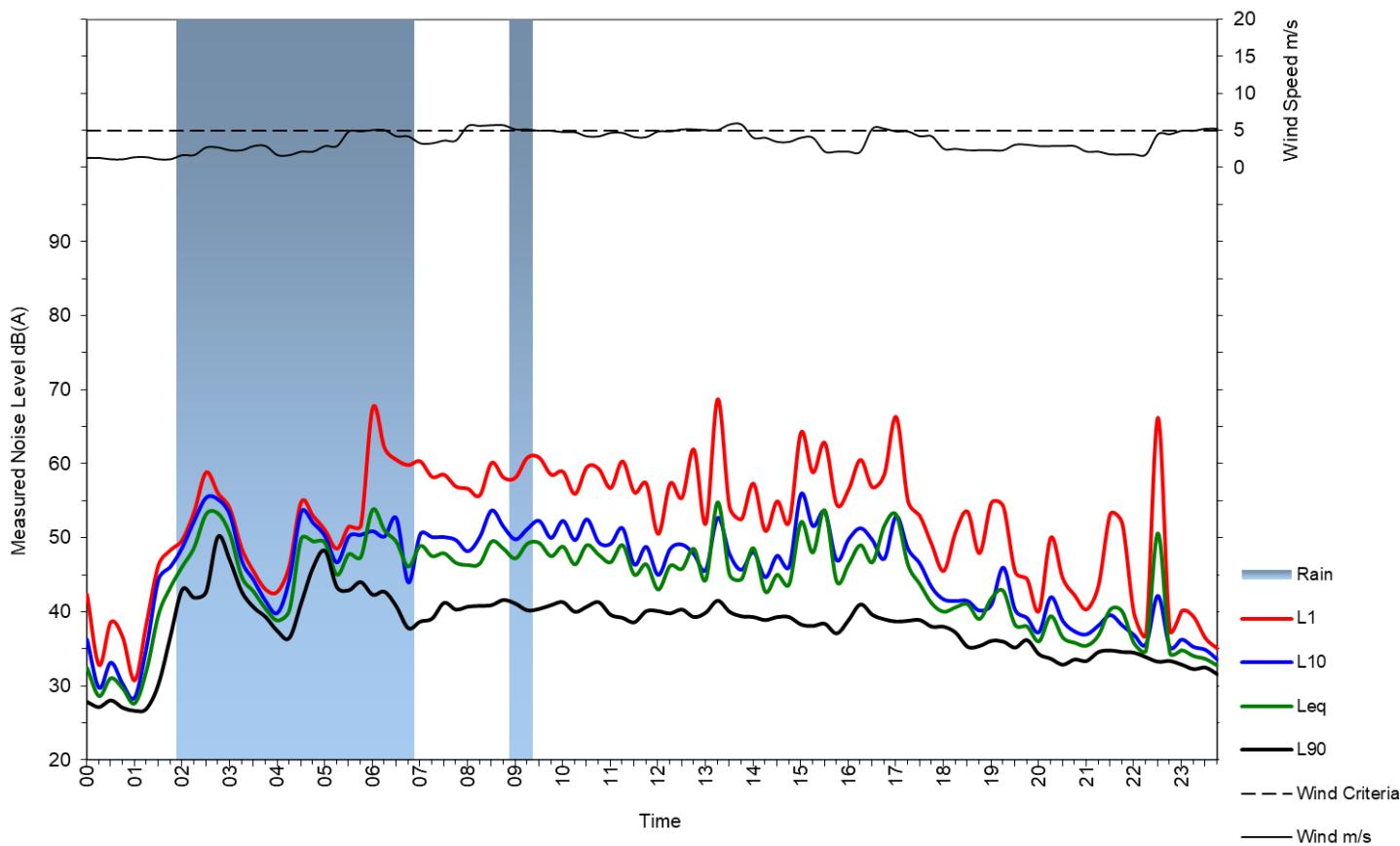
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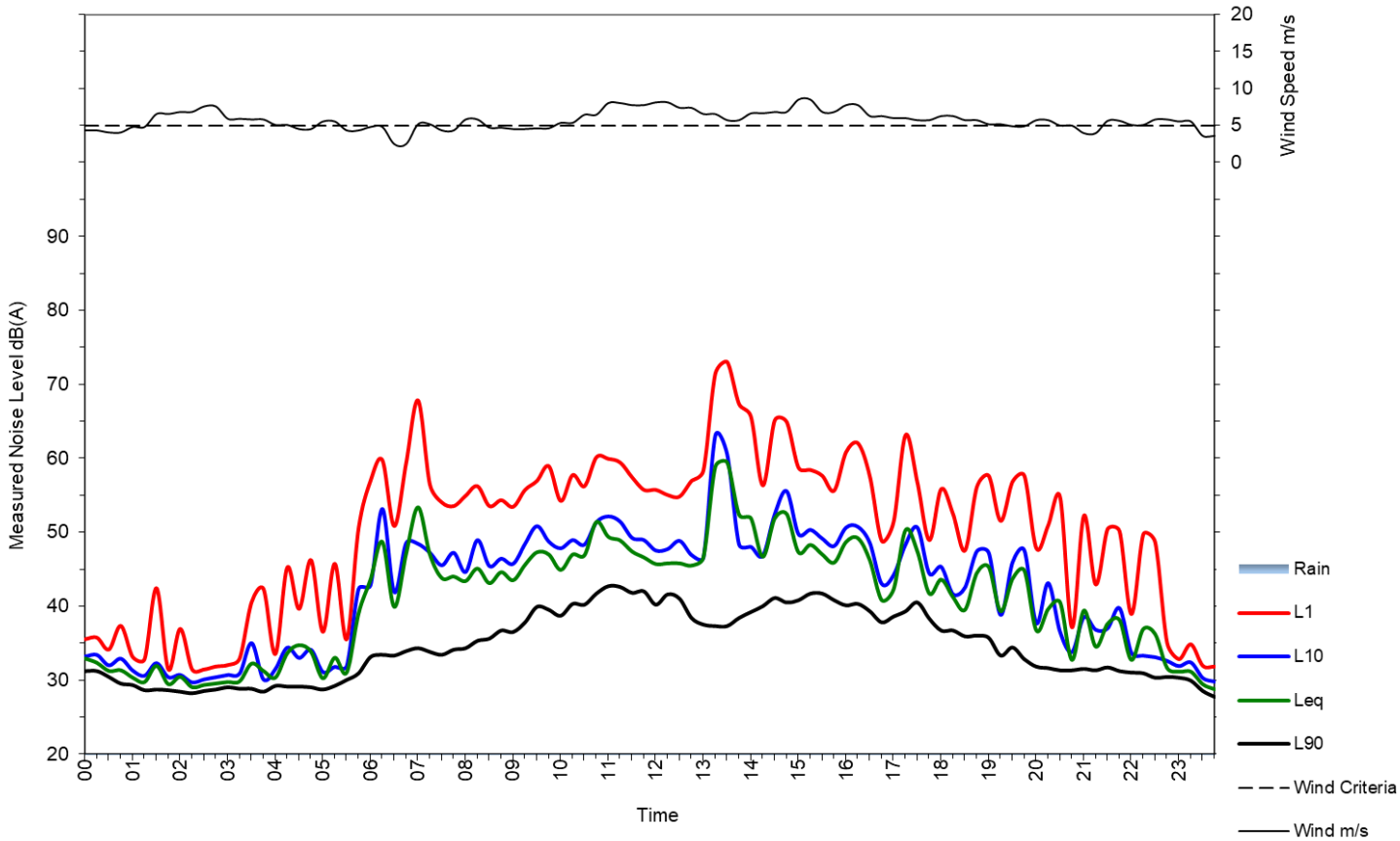
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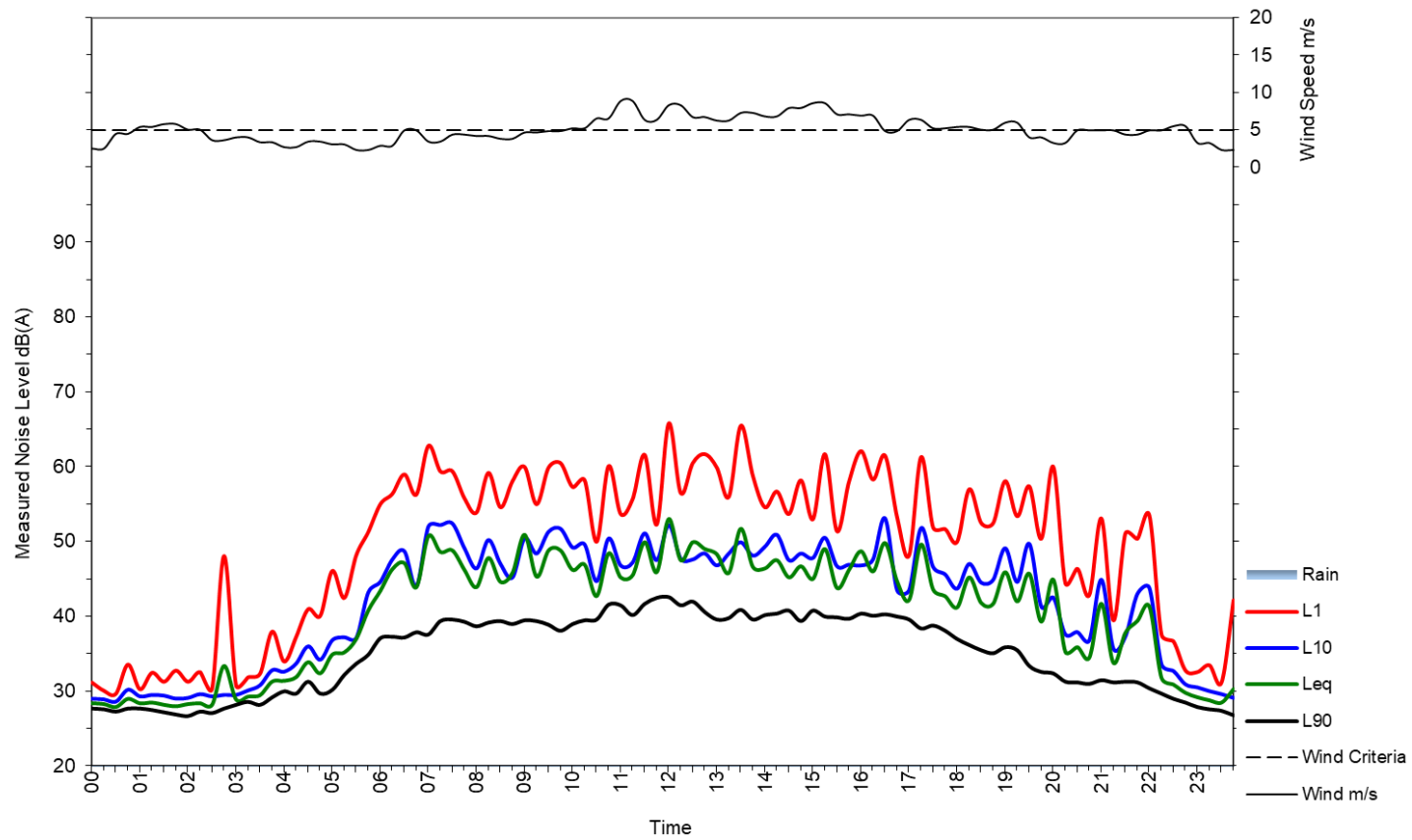
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### Primrose Park, North-West

Monday 15 August 2022

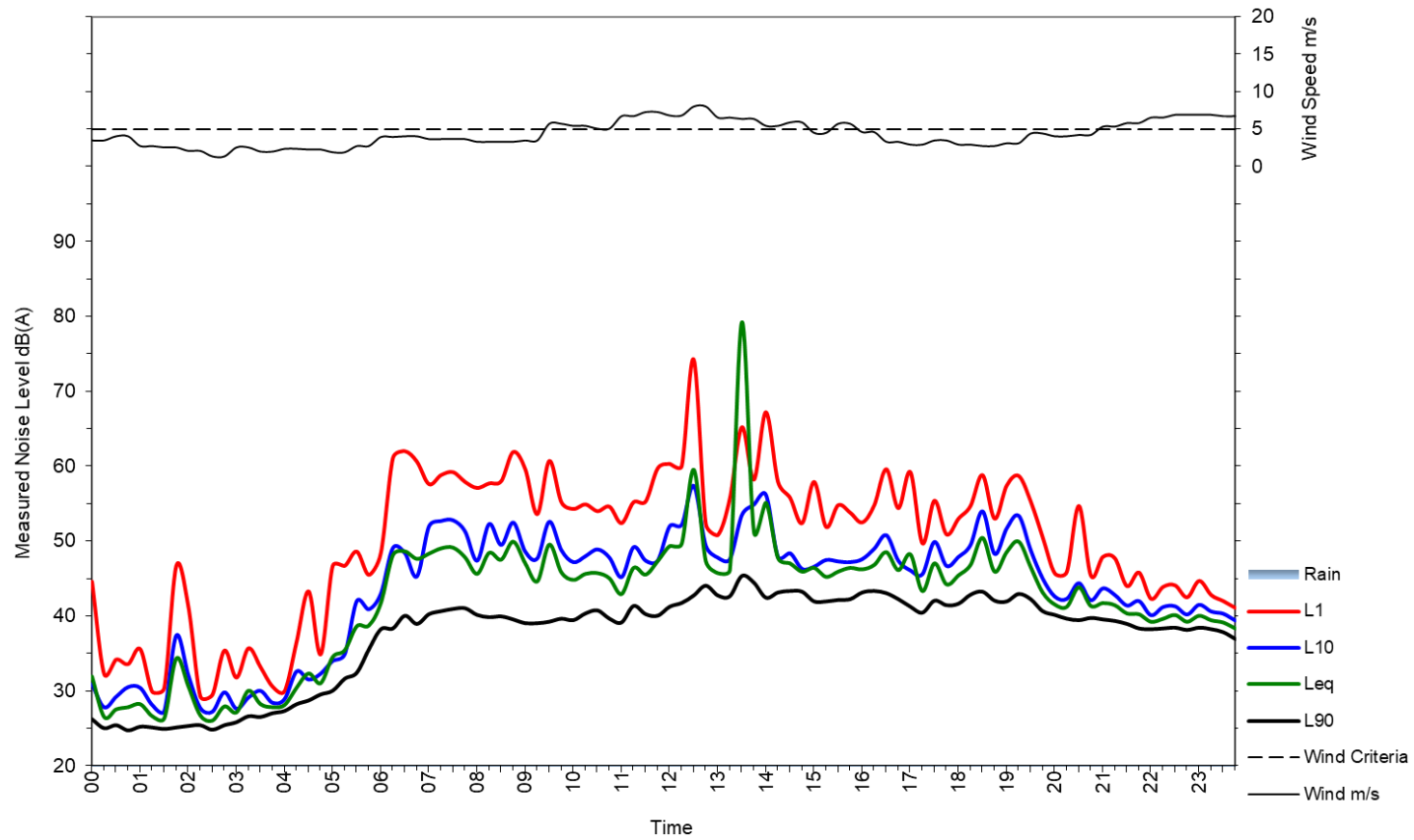






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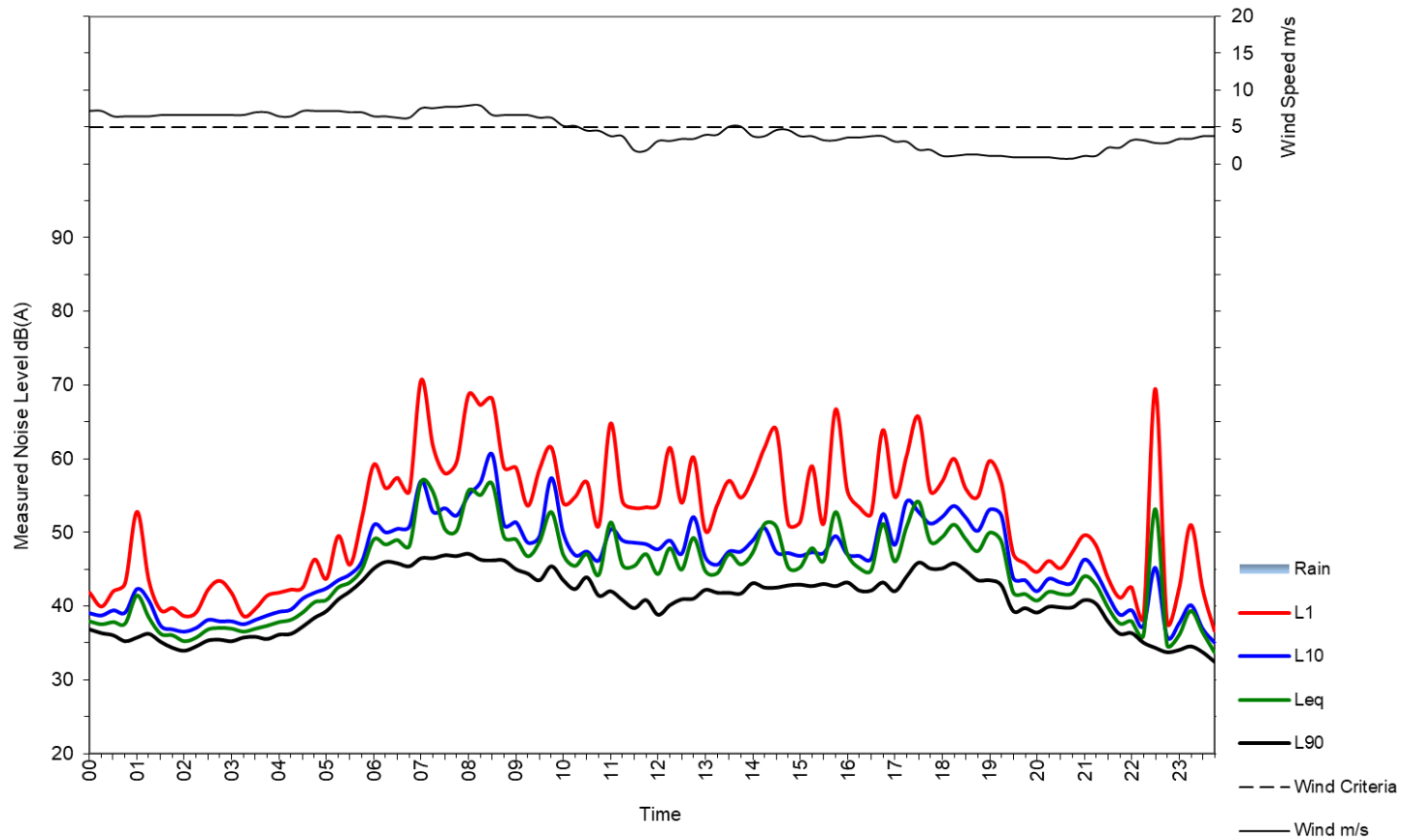
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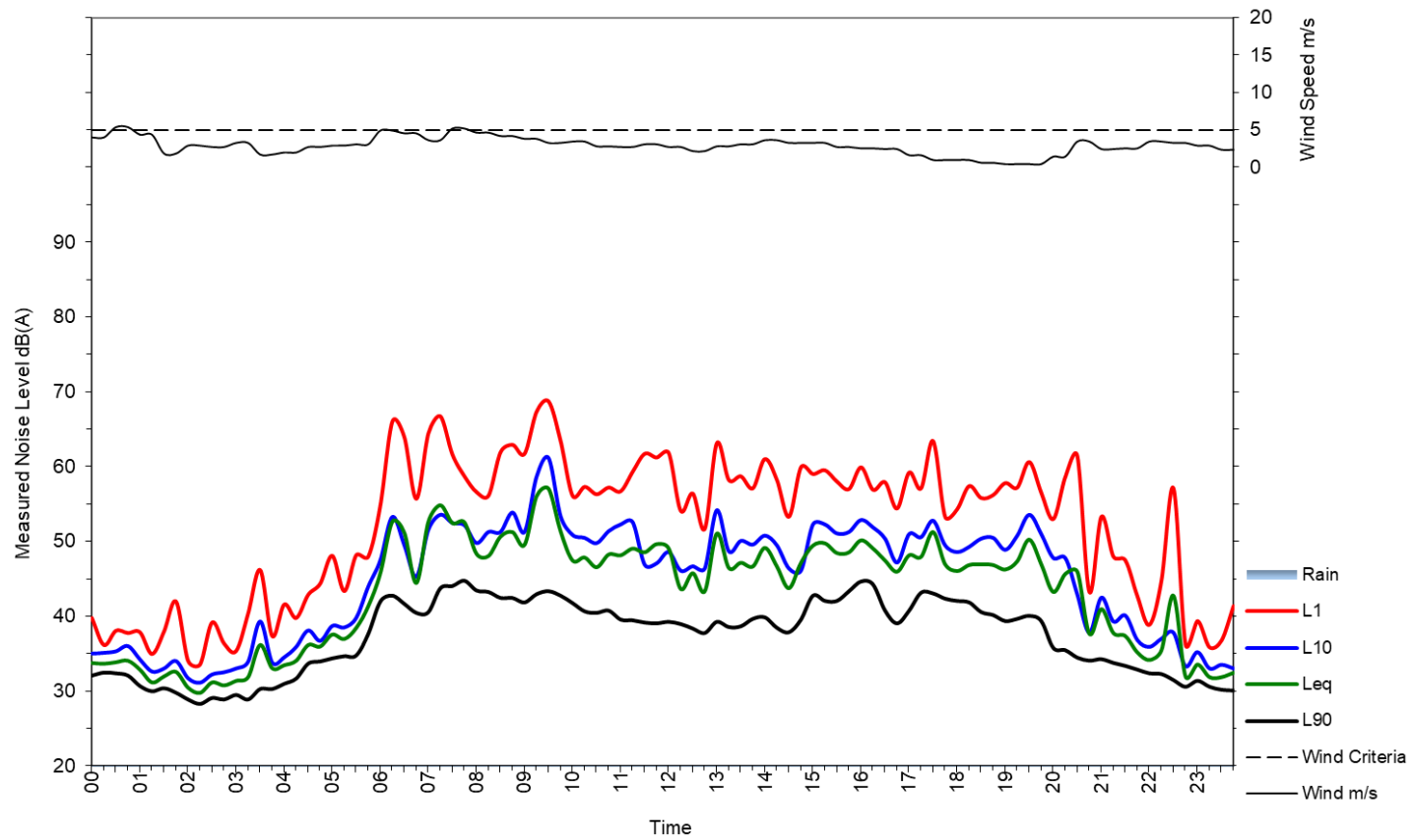
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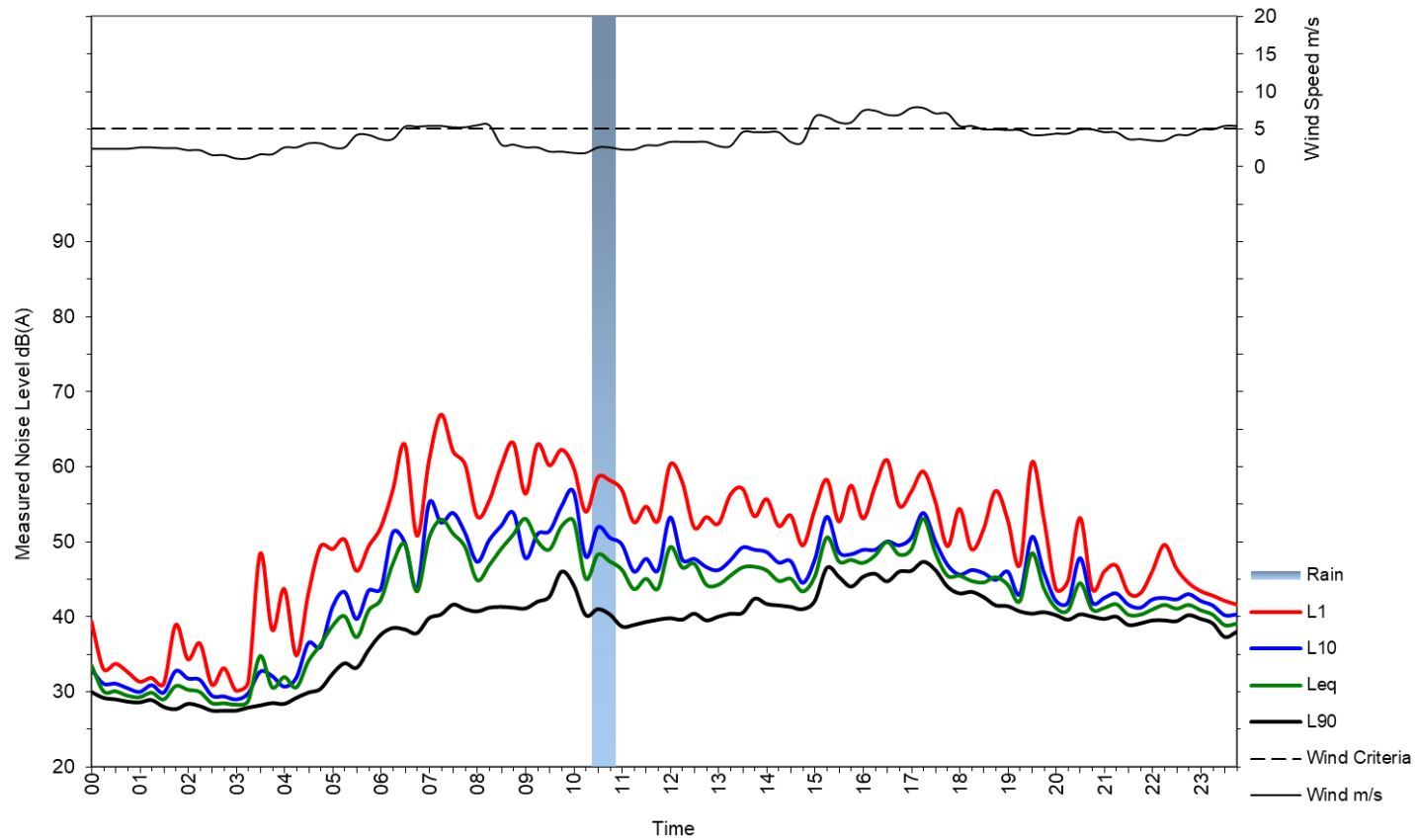
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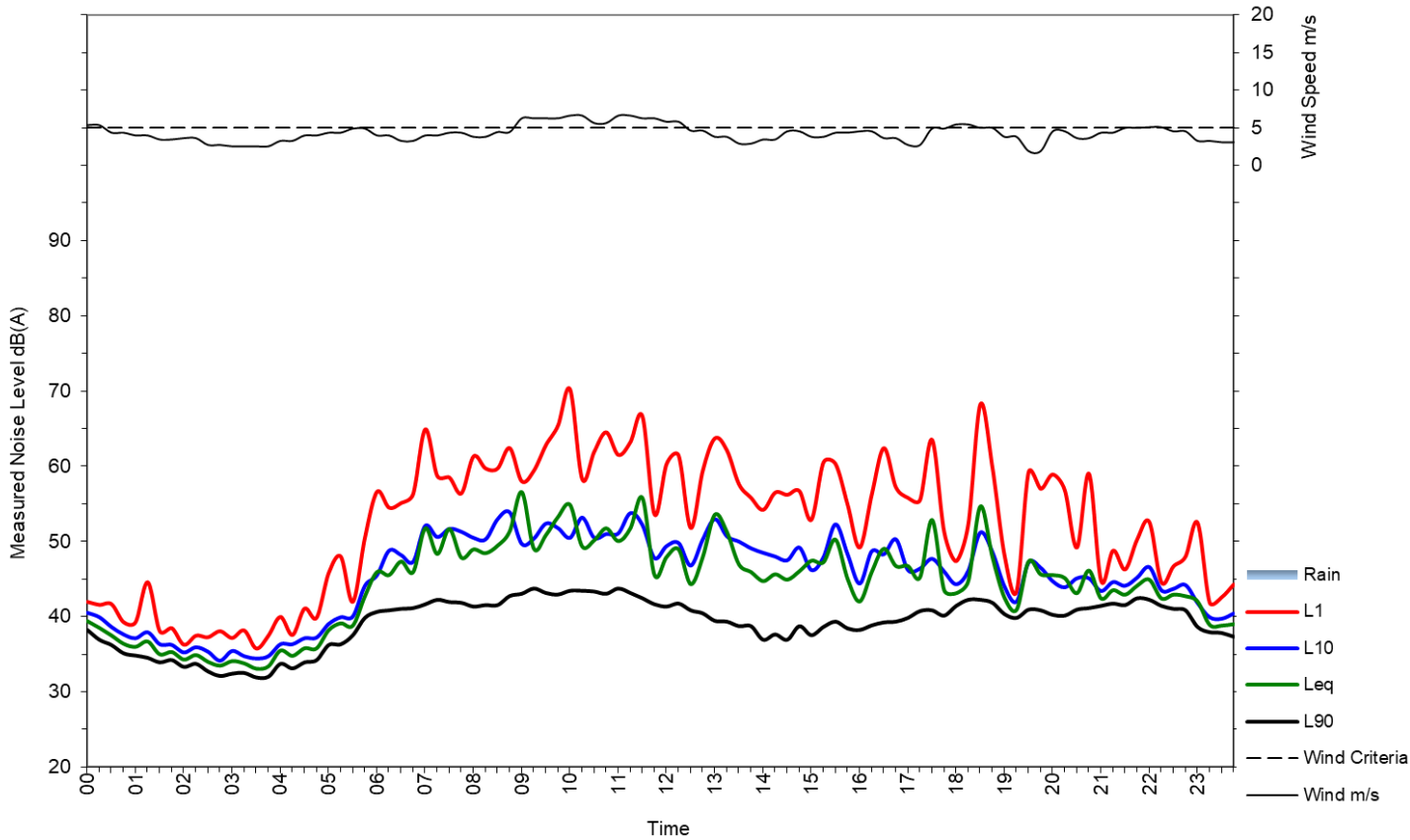
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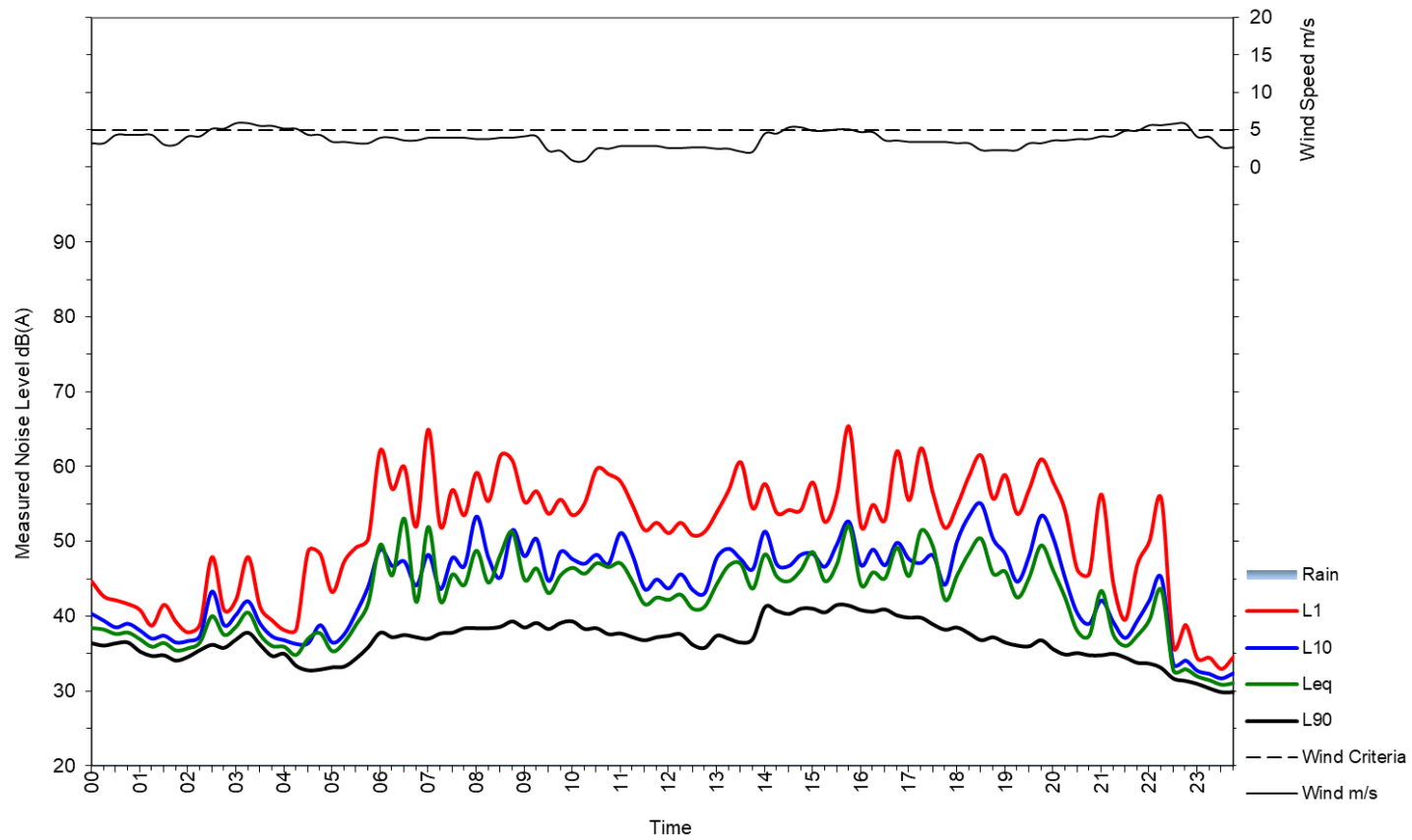
Saturday 20 August 2022





### Primrose Park, North-West

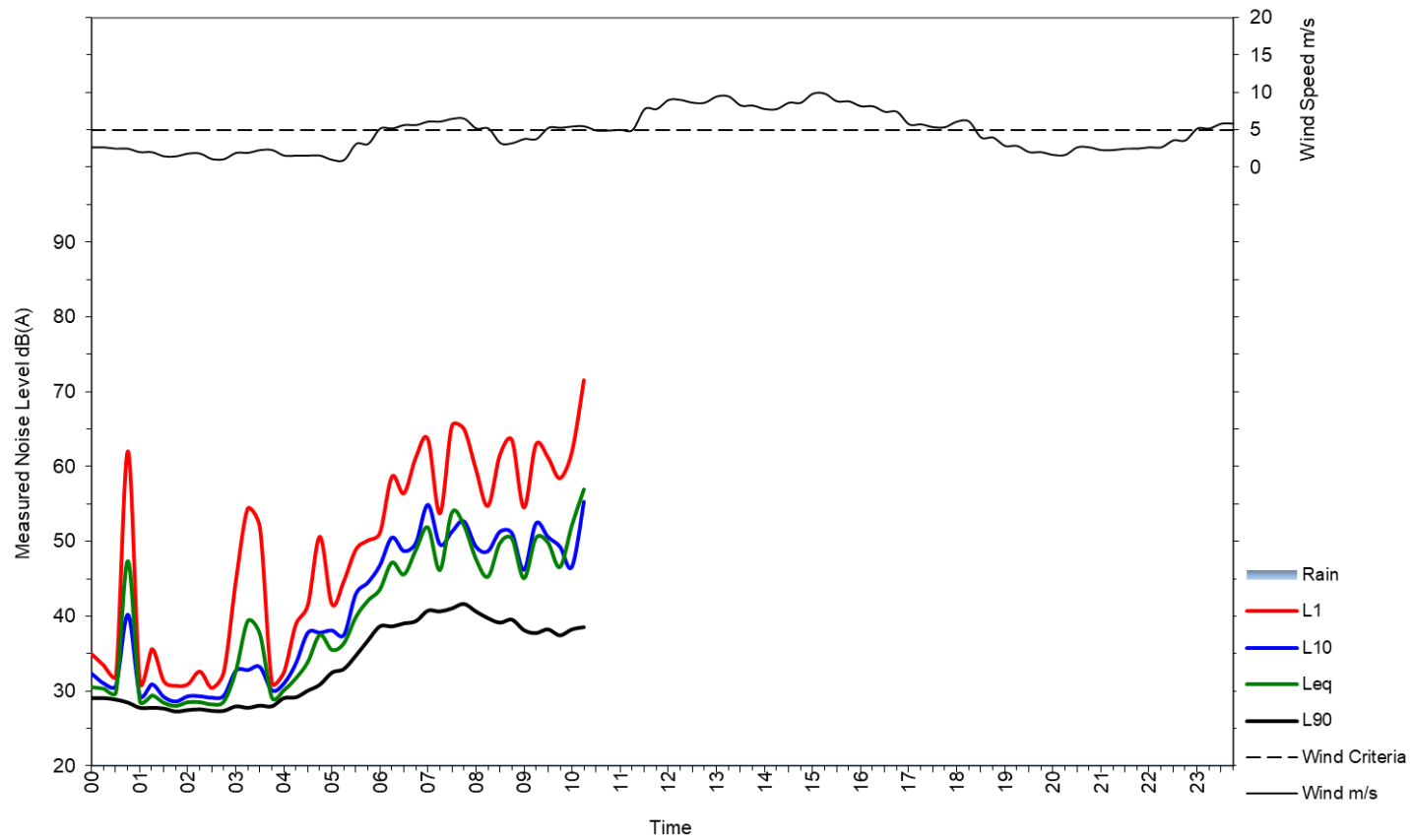
Sunday 21 August 2022





### Primrose Park, North-West

Monday 22 August 2022







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## **APPENDIX D: UNATTENDED NOISE LOGGING – NOISE LOGGER POSITION 3 (SOUTH-EAST)**

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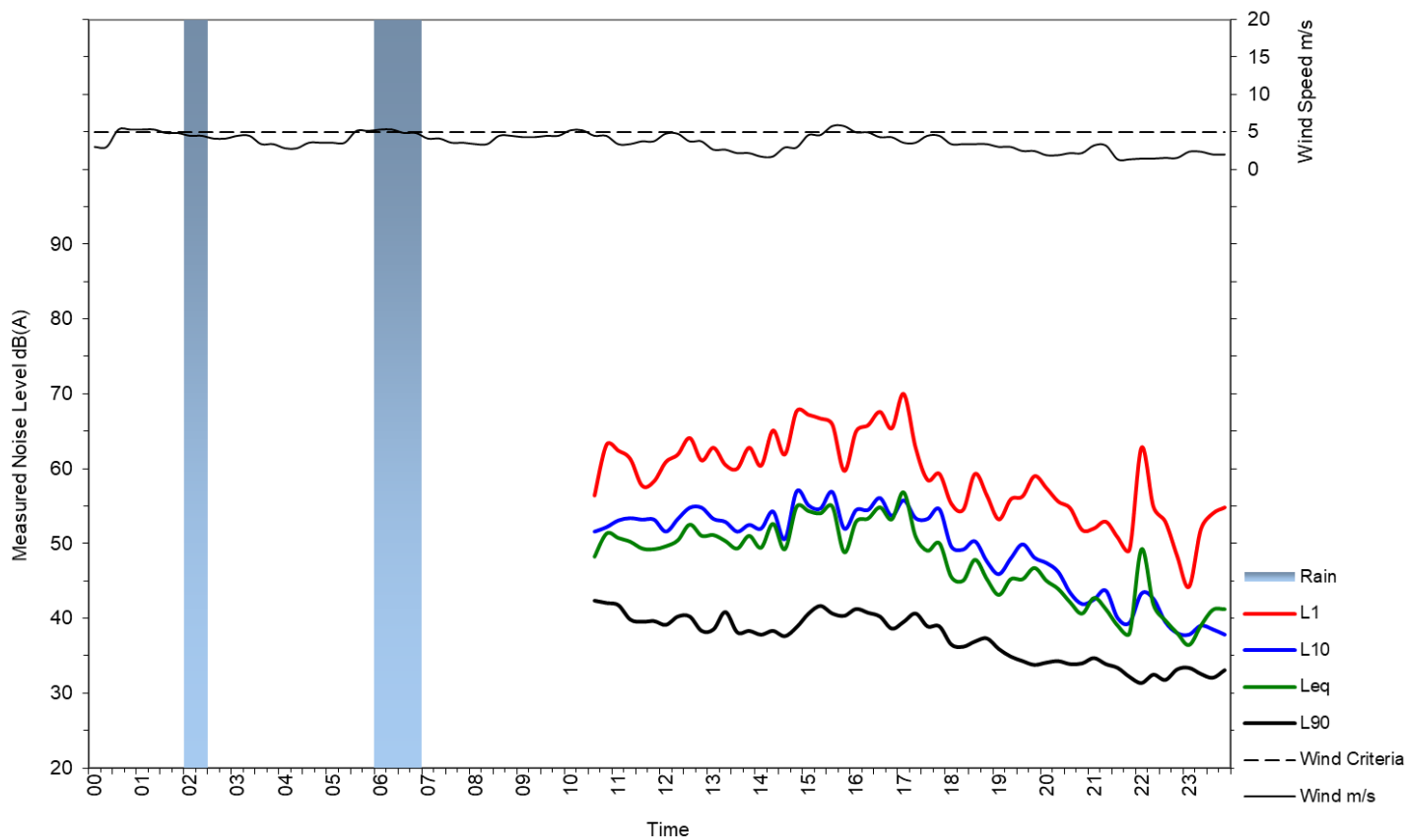
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**Coordinates:** Lat: -33.86, Lon: 151.20, Height: 43.37 m



### Primrose Park, South-East

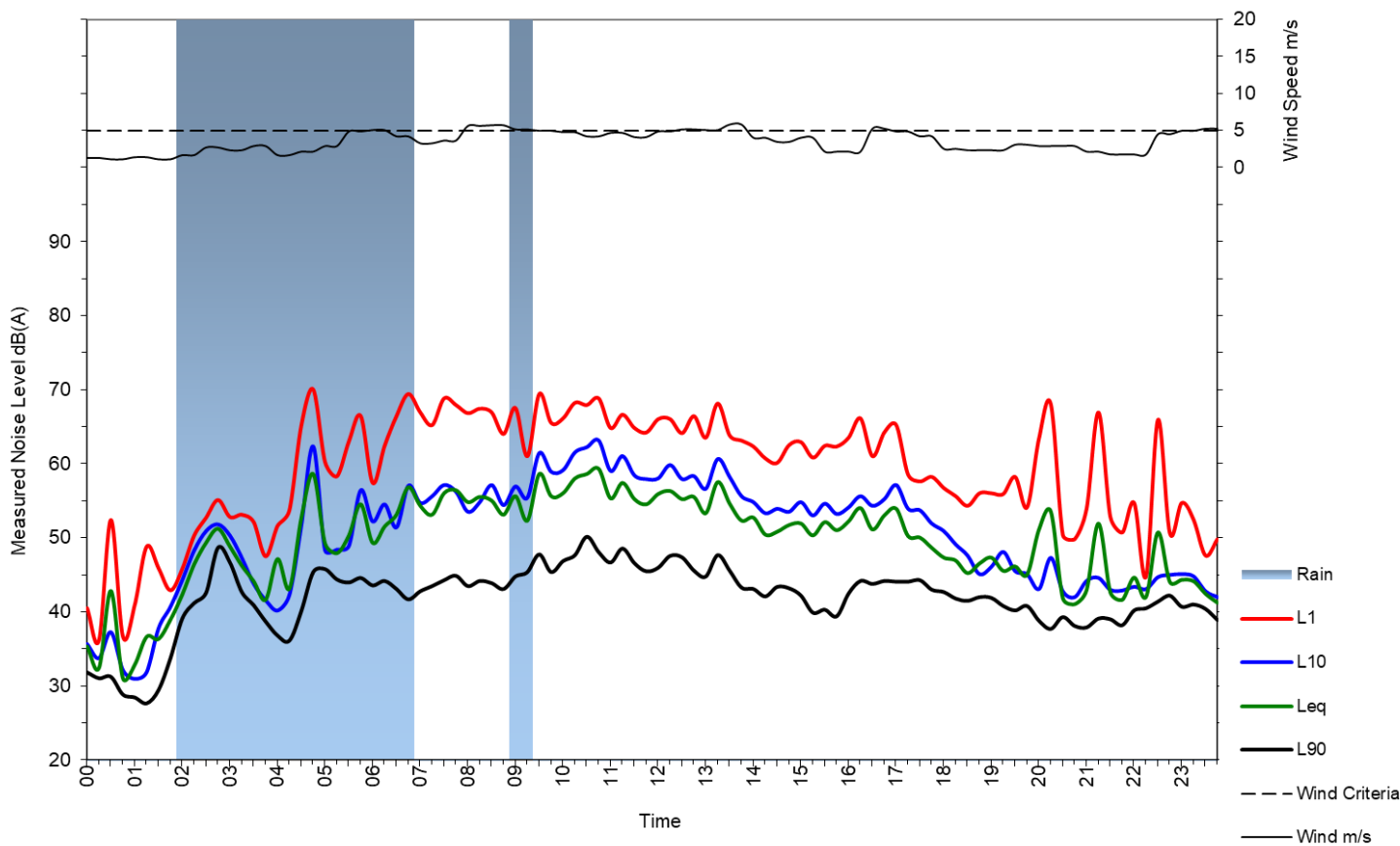
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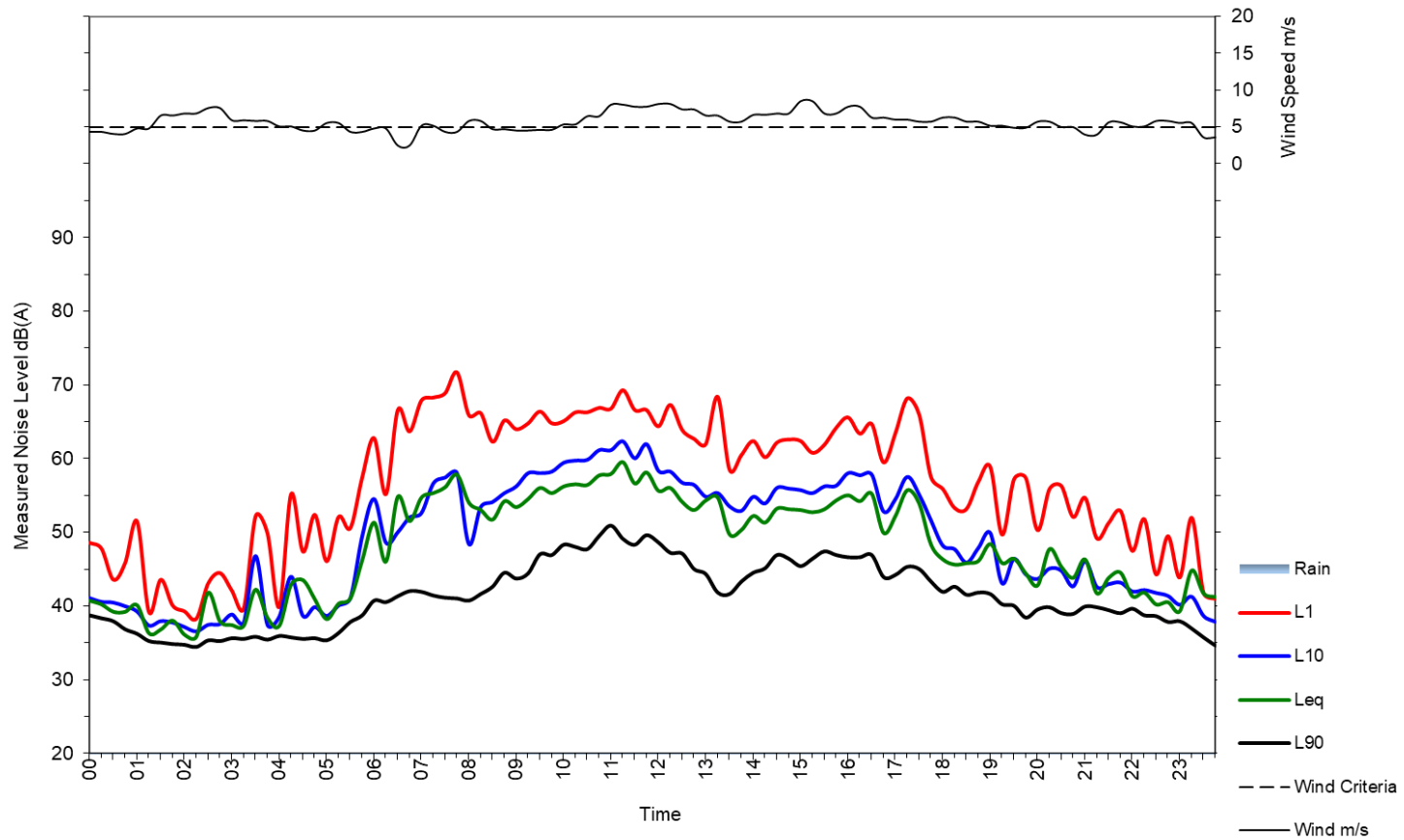
Saturday 13 August 2022





### Primrose Park, South-East

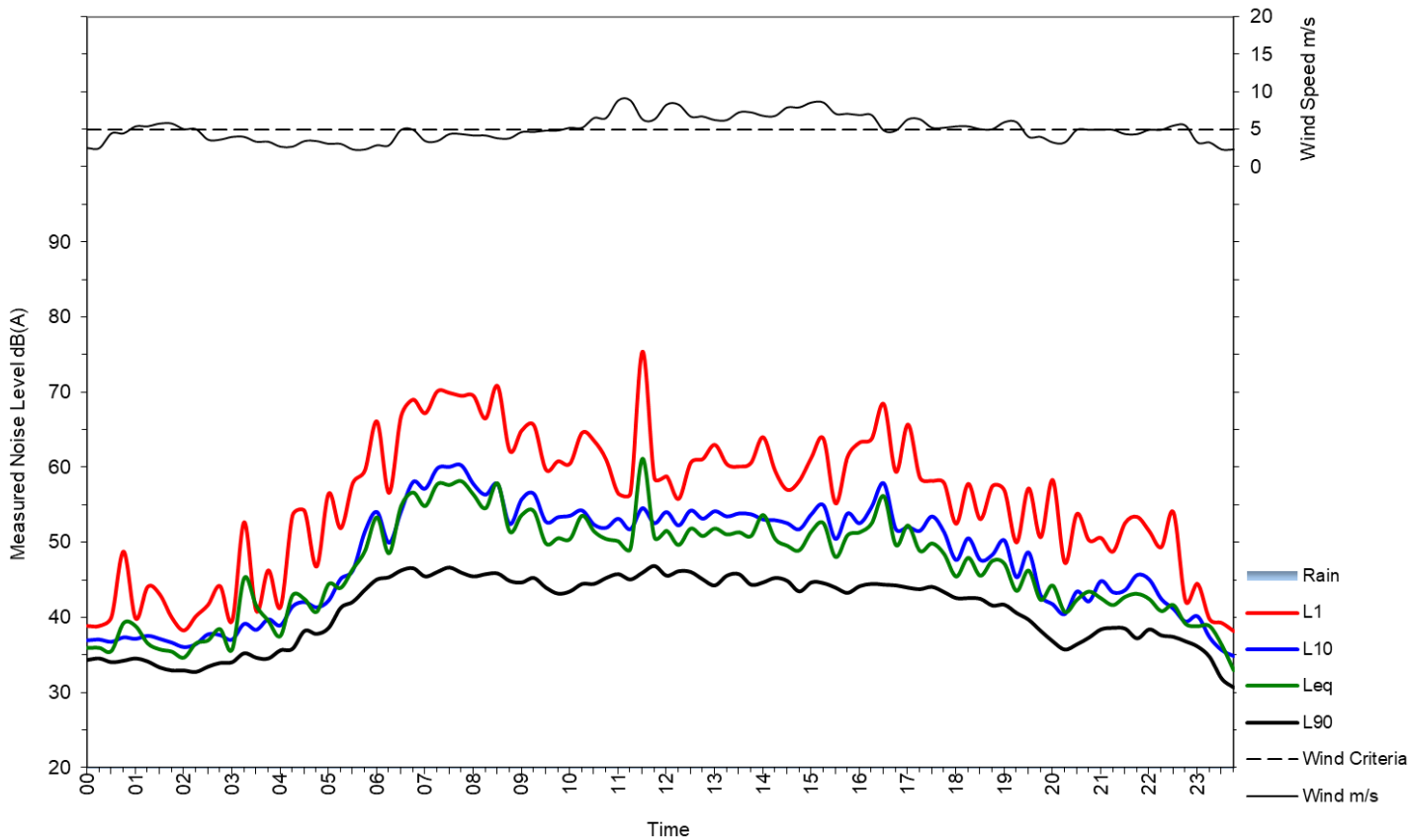
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Primrose Park, South-East

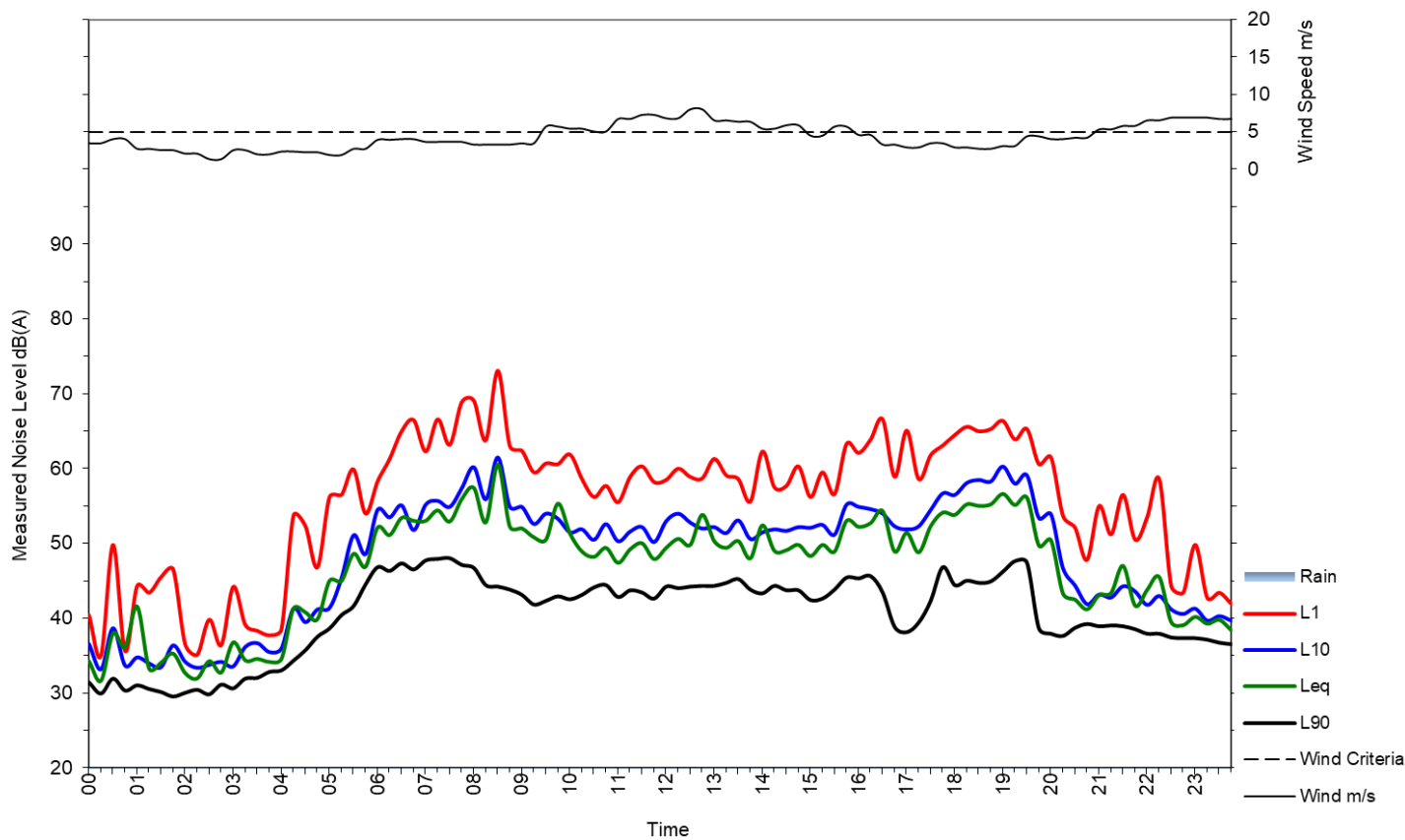
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### Primrose Park, South-East

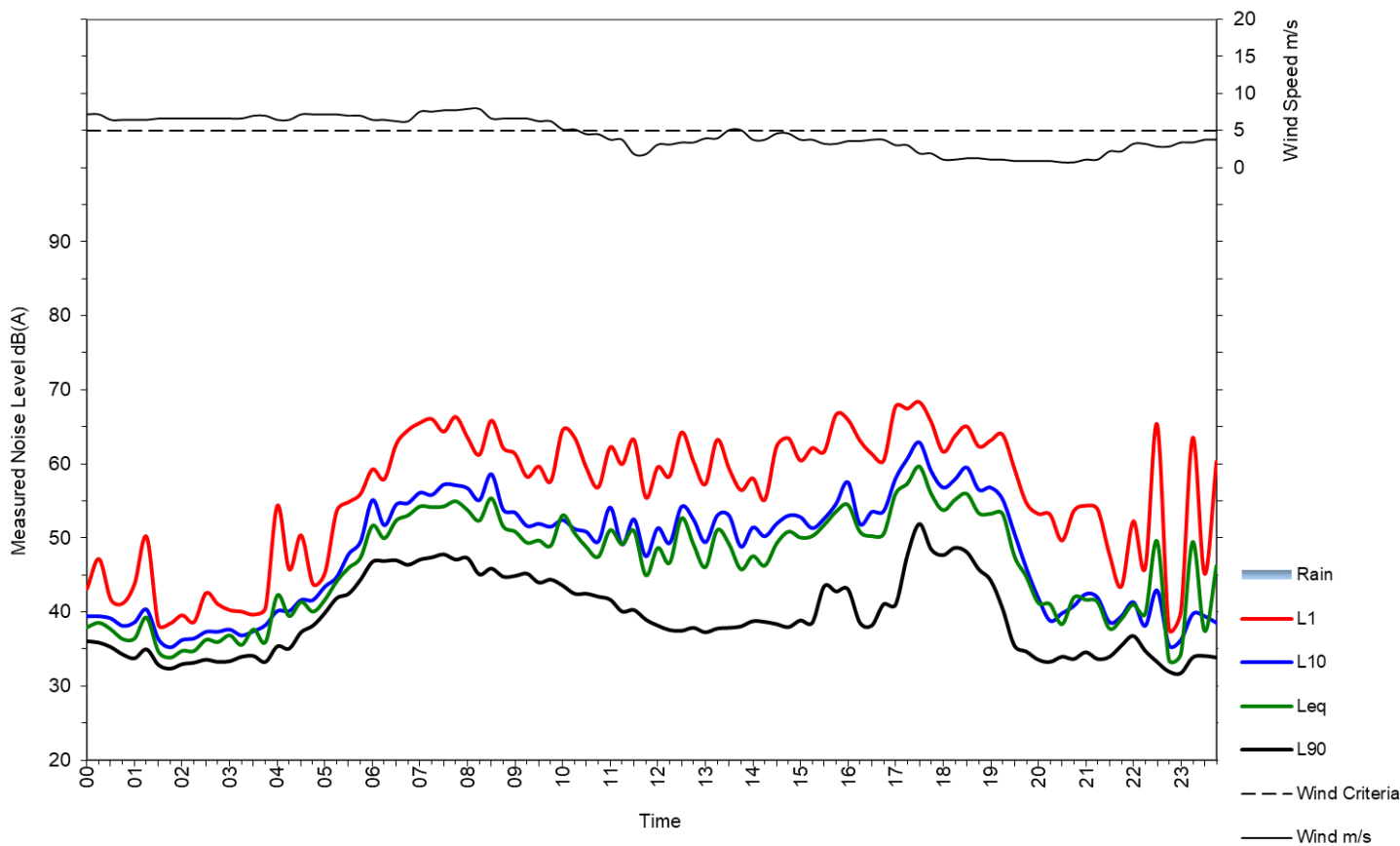
Tuesday 16 August 2022





### Primrose Park, South-East

Wednesday 17 August 2022

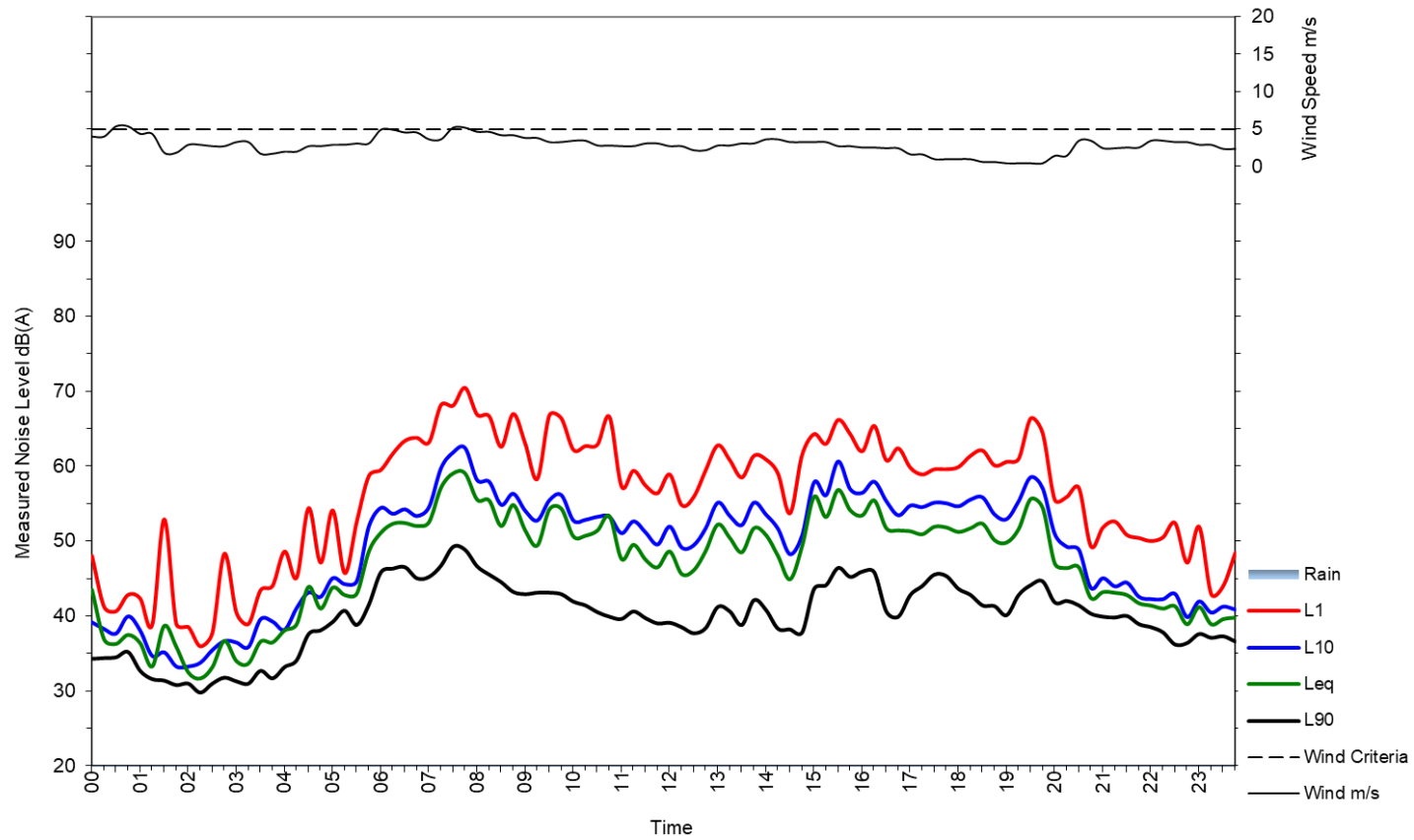






### Primrose Park, South-East

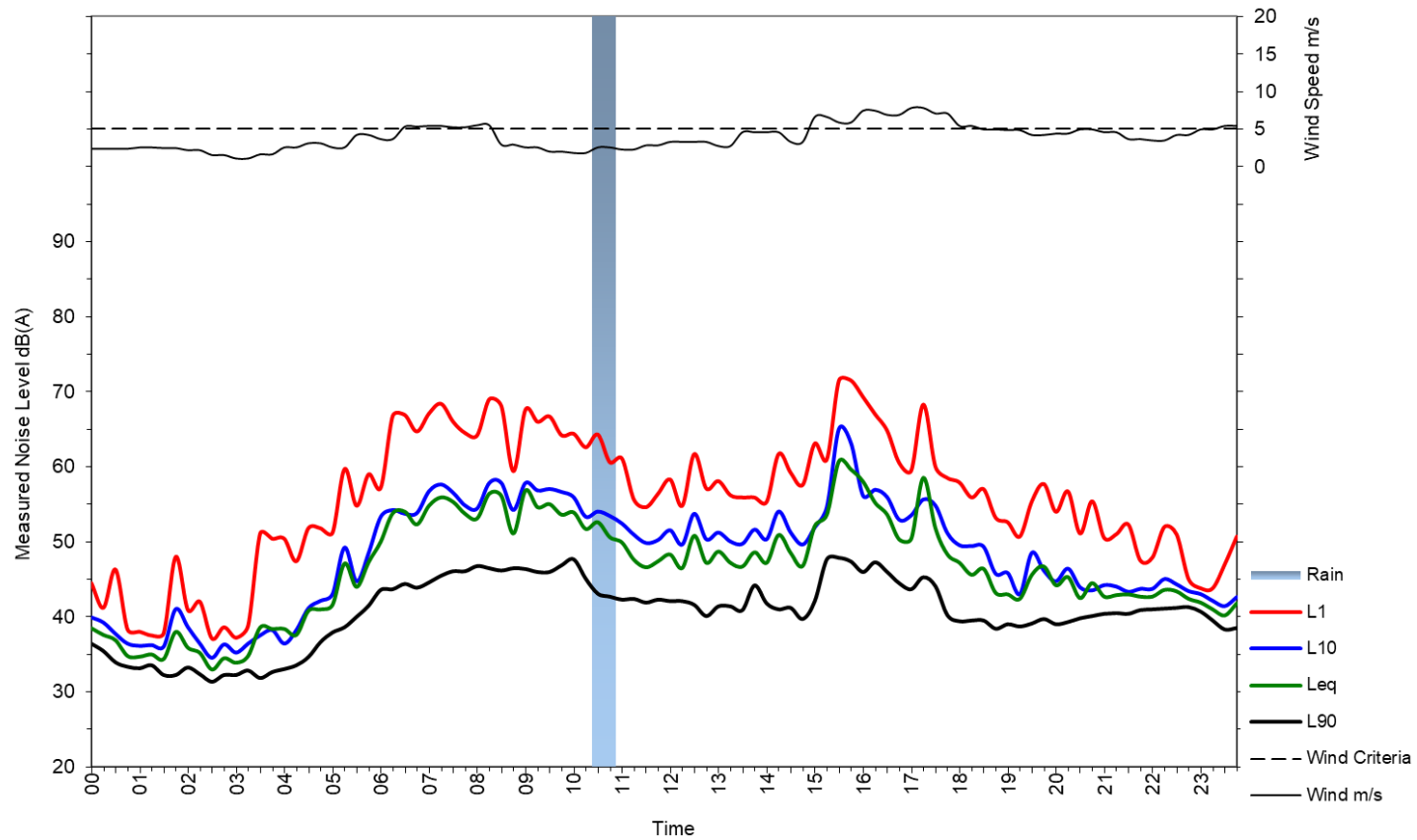
Thursday 18 August 2022





### Primrose Park, South-East

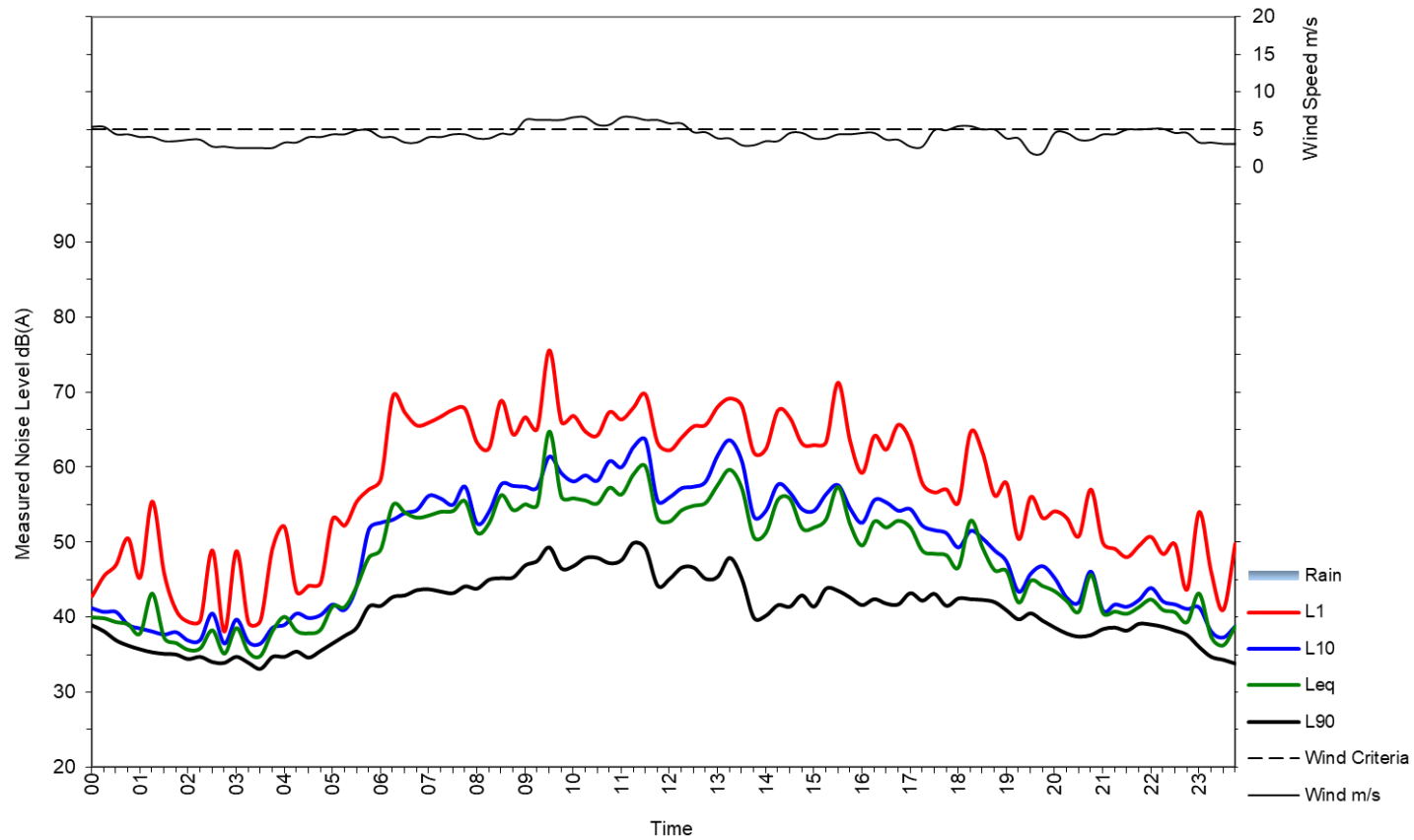
Friday 19 August 2022





### Primrose Park, South-East

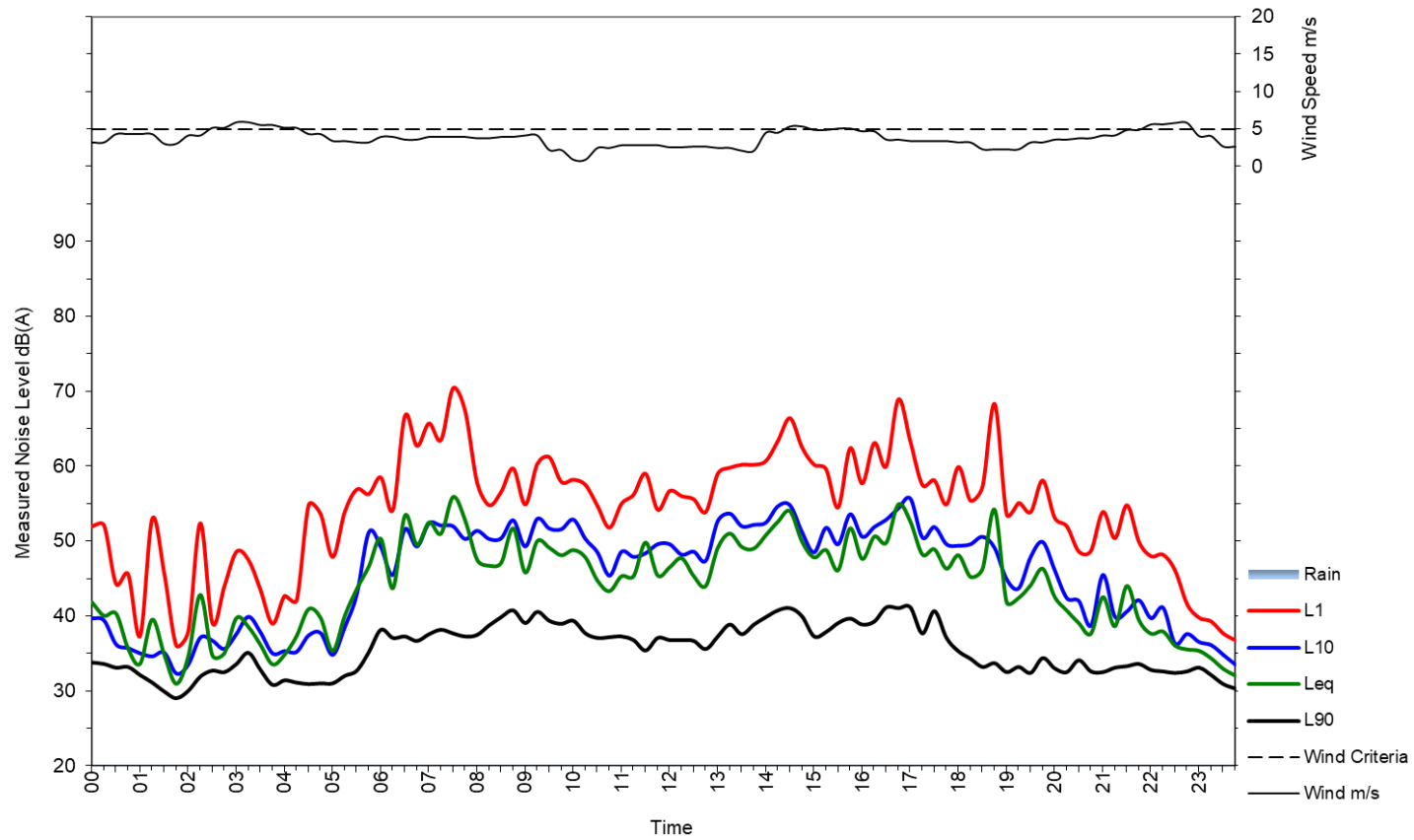
Saturday 20 August 2022





### Primrose Park, South-East

Sunday 21 August 2022





### Primrose Park, South-East

Monday 22 August 2022

