

# Noise Monitoring Assessment Annual

Tomingley Gold Mine

Tomingley, NSW

June 2025

Prepared For: Tomingley Gold Operations Pty Ltd

December 2025

MAC160243-RP11



[mulleracoustic.com](http://mulleracoustic.com)

# Document Information

## Noise Monitoring Assessment

### Annual

Tomingley Gold Mine

Tomingley, NSW

November 2025

**Prepared for:** Tomingley Gold Operations Pty Ltd




**Prepared by:** Muller Acoustic Consulting Pty Ltd

PO Box 678, Kotara NSW 2289

ABN: 36 602 225 132

P: +61 2 4920 1833

[www.mulleracoustic.com](http://www.mulleracoustic.com)

PROJECT MANAGER	PREPARED BY	REVIEWED BY	DATE	REPORT NO
Daniel Brown	William Archer	Oliver Muller	2 December 2025	MAC160243-RP11
				

Field Officers: Daniel Brown, William Archer

#### DISCLAIMER

All documents produced by Muller Acoustic Consulting Pty Ltd (MAC) are prepared for a particular client's requirements and are based on a specific scope, circumstances and limitations derived between MAC and the client. Information and/or report(s) prepared by MAC may not be suitable for uses other than the original intended objective. No parties other than the client should use or reproduce any information and/or report(s) without obtaining permission from MAC. Any information and/or documents prepared by MAC is not to be reproduced, presented or reviewed except in full.

**CONTENTS**

1 INTRODUCTION.....5

2 ENVIRONMENTAL PROTECTION LICENSE NOISE LIMITS.....7

    2.1 ENVIRONMENTAL PROTECTION LICENSE (EPL).....7

    2.2 DEPARTMENT OF PLANNING AND ENVIRONMENT PROJECT APPROVAL 09\_0155 .....9

3 METHODOLOGY ..... 11

    3.1 LOCALITY..... 11

    3.2 ASSESSMENT METHODOLOGY..... 11

4 RESULTS ..... 13

    4.1 METEOROLOGICAL CONDITIONS ..... 13

5 DISCUSSION ..... 27

    5.1 DISCUSSION OF RESULTS – LOCATION R2..... 27

    5.2 DISCUSSION OF RESULTS – LOCATION R3/R29 ..... 27

    5.3 DISCUSSION OF RESULTS – LOCATION R4..... 27

    5.4 DISCUSSION OF RESULTS – LOCATION R5..... 27

    5.5 DISCUSSION OF RESULTS – LOCATION R6..... 28

    5.6 DISCUSSION OF RESULTS – LOCATION R23..... 28

6 COMPARISON OF ATTENDED AND UNATTENDED MONITORING RESULTS ..... 29

7 CONCLUSION ..... 33

APPENDIX A – GLOSSARY OF TERMS

APPENDIX B – DETAILED NOISE MONITORING RESULTS

*This page has been intentionally left blank*

# 1 Introduction

Muller Acoustic Consulting Pty Ltd (MAC) has been commissioned by Tomingley Gold Operations Pty Ltd (TGO) to complete a Noise Compliance Assessment (NCA) for Tomingley Gold Mine (the mine), Tomingley, NSW.

The NCA involved quantifying the noise contribution of the mine by direct attended measurements to determine mining noise emissions so that effective management and controls can be implemented where required. The monitoring has been conducted in general accordance with the TGO Noise Management Plan and addresses Conditions L4, M4 and R4 of the Environmental Protection License (EPL) #20169 from NSW Environmental Protection Agency (EPA) and Schedule 3 of the Project Approval (PA) #09\_0155 issued by NSW Government Department of Planning and Environment (DPE) at six representative receiver locations.

The assessment has been conducted in accordance with the following documents:

- NSW Environment Protection Authority (EPA), Noise Policy for Industry (NPI), 2017;
- NSW Environment Protection Authority (EPA's), Approved Methods for the measurement and analysis of environmental noise in NSW, 2022;
- NSW Environment Protection Authority (EPA), Environment Protection Licence EPL 20169 (EPL);
- NSW Government Department of Planning and Environment (DPE) Project Approval 09\_0155 (PA);
- Standards Australia AS/NZS IEC 61672.1-2019-Electroacoustics - Sound level meters – Specifications; and
- Standards Australia AS 1055:2018 - Acoustics - Description and measurement of environmental noise - General Procedures.

A glossary of terms, definitions and abbreviations used in this report is provided in **Appendix A**.

*This page has been intentionally left blank*

## 2 Environmental Protection License Noise Limits

### 2.1 Environmental Protection License (EPL)

Historic assessments for the mine categorise receivers into Noise Assessment Groups (NAGs). The NAGs were derived based on ambient noise data that controlled receiver RBLs.

**Table 1** reproduces the operational and sleep disturbance noise limits for assessed receivers referenced from the EPL that have been adopted for this NCA and are consistent with historic EPL monitoring locations.

Table 1 Noise Limits, dBA					
Noise Assessment	Receivers	Day	Evening	Night	
Group		LAeq(15min)	LAeq(15min)	LAeq(15min)	LA1(1min)
NAG A	R4, R5, R6	35	35	35	45
NAG B	R2	36	35	35	45
NAG C	R3/R29	45	35	35	45
NAG D	R23	43	38	36	45

Note: Refer to figure in Appendix 4 of Project Approval 09-0155 for noise locations. However, these criteria do not apply if the Proponent has an agreement with the relevant owner(s) of these residences / land to generate higher noise levels, and the Proponent has advised the Department of Planning and Infrastructure and EPA in writing of the terms of this agreement.

Conditions L4.3 to L4.8 of the EPL set out the conditions under which the noise limits apply and are reproduced below:

*L4.3 For the purpose of condition L3.1:*

- *Day is defined as the period from 7am to 6pm Monday to Saturday and 8am to 6pm Sunday and Public Holidays;*
- *Evening is defined as the period 6pm to 10pm; and*
- *Night is defined as the period from 10pm to 7am Monday to Saturday and 10pm to 8am Sunday and Public Holidays.*

L4.4 The noise limits set out in condition L3.1 apply under all meteorological conditions except for the following:

- wind speeds greater than 3m/second at 10 metres above ground level;
- stability category F temperature inversion conditions and wind speeds greater than 2m/second at 10 metres above ground level; or
- stability category G temperature inversion conditions.

L4.5 For the purposes of condition L3.3:

- data recorded by a meteorological station installed on site must be used to determine meteorological conditions; and
- temperature inversion conditions (stability category) are to be determined by the sigma-theta method referred to in Part D1.4 of Appendix D of the NSW Industrial Noise Policy (INP).

L4.6 To determine compliance:

a) with the LAeq(15min) noise limits in condition L3.1, the noise measurement equipment must be located:

- approximately on the property boundary, where any dwelling is situated 30 metres or less from the property boundary closest to the premises; or
- within 30 metres of a dwelling façade, but not closer than 3 metres, where any dwelling on the property is situated more than 30 metres from the property boundary closest to the premises; or, where applicable within approximately 50 metres of the boundary of a National Park or a Nature Reserve.

b) with the LA1(1 minute) noise limits in condition L3.1:

- the noise measurement equipment must be located within 1 metre of a dwelling façade.

c) with the noise limits in condition L3.1 the noise measurement equipment must be located:

- at the most affected point at a location where there is no dwelling at the location; or
- at the most affected point within an area at a location prescribed by conditions L3.5(a) or L3.5(b).

L4.7 A non-compliance of condition L3.1 will still occur where noise generated from the premises in excess of the appropriate limit is measured:

- *at a location other than an area prescribed by conditions L3.5(a) and L3.5(b); and/or*
- *at a point other than the most affected point at a location.*

*L4.8 For the purposes of determining the noise generated at the premises the modification factors in Appendix C of the NSW Industrial Noise Policy (INP) must be applied, as appropriate, to the noise levels measured by the noise monitoring equipment.*

*Condition M4.1 of the EPL identifies that to assess compliance with Condition L3.1, attended noise monitoring must be undertaken in accordance with Conditions L3.5 and:*

- a) *At each one of the locations listed in Condition L3.1;*
- b) *Occur annually in a reporting period;*
- c) *Occur during each day, evening and night period as defined in the NSW Industrial Noise Policy for a minimum of:*
  - *1.5 hours during the day;*
  - *30 minutes during the evening; and*
  - *1 hour during the night.*
- d) *Occur for three consecutive days.*

## 2.2 Department of Planning and Environment Project Approval 09\_0155

*Condition 6 of Schedule 3 of the Project Approval states:*

- (c) *include a monitoring program that:*
  - i. *uses a combination of real-time and supplementary attended monitoring measures to evaluate the performance of the project;*
  - ii. *adequately supports the proactive and reactive noise management system on site;*
  - iii. *defines what constitutes a noise incident, and includes a protocol for identifying noise incidents and notifying the Department and relevant stakeholders of any such incident;*
  - iv. *evaluates and reports on the effectiveness of the noise management system on site;*
  - v. *includes a program to calibrate and validate the real-time noise monitoring results with the attended monitoring results over time (so the real time monitoring program can be used as a better indicator of compliance with the noise criteria in this approval and a trigger for further attended monitoring); and*

(d) *include a noise reduction strategy for progressively reducing mine noise during open cut mining operations, consistent with the noise scenarios described in the document 'Tomingley Gold Mine Environmental Assessment – Project Approval No. 09\_0155 Modification 3' dated November 2015.*

A comparison of attended versus unattended data has been completed as part of this assessment with results presented in **Section 6**.

## 3 Methodology

### 3.1 Locality

TGO is located to the south of the village of Tomingley, NSW. Receivers in the locality surrounding the mine are primarily rural/residential and for consistency the naming conventions for each receiver have been retained from historic Noise Assessments. The monitoring locations with respect to the mine are presented in the locality plan shown in **Figure 1**.

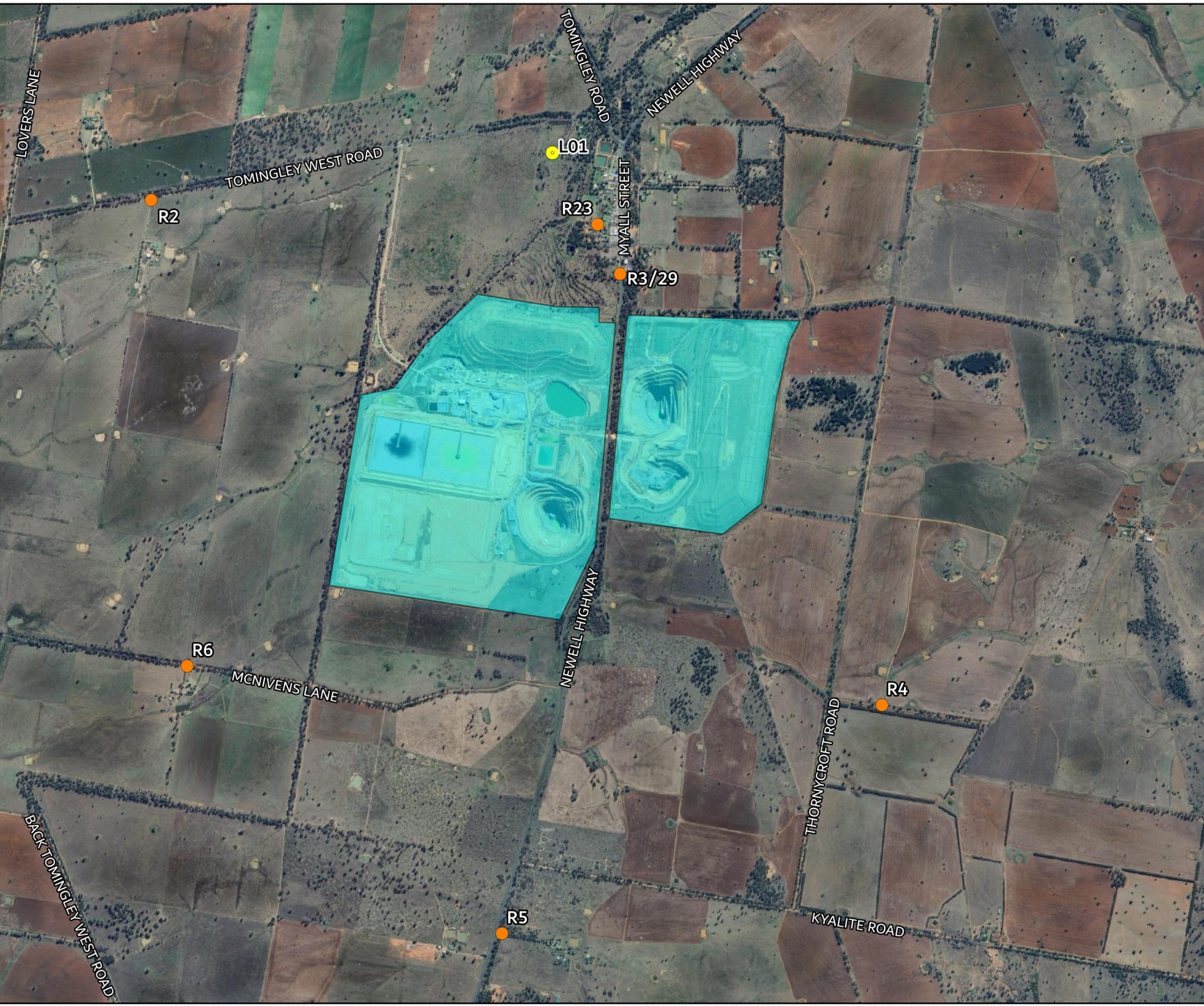
### 3.2 Assessment Methodology

The attended noise survey was conducted in general accordance with the procedures described in Standards Australia AS 1055:2018, "Acoustics - Description and Measurement of Environmental Noise" and the EPL. The measurements were carried out simultaneously by two MAC staff members at separate locations using Svantek Type 1, 971 noise analysers from Monday 10 November 2025 to Thursday 13 November 2025. The acoustic instrumentation used carries appropriate and current NATA (or manufacturer) calibration certificates with records of all calibrations maintained by MAC as per Approved Methods for the measurement and analysis of environmental noise in NSW (EPA, 2022) and complies with AS/NZS IEC 61672.1-2019-Electroacoustics - Sound level meters - Specifications. Calibration of all instrumentation was checked prior to and following measurements. Drift in calibration did not exceed  $\pm 0.5$  dBA.

Day measurements consisted of six 15-minutes (ie 1 hour 30 minutes), evening measurements of two 15-minutes (ie 30 minutes) in duration and night measurements were of four 15-minute (ie 1 hour) durations at each location over three consecutive dates. Where possible, throughout each survey the operator quantified the contribution of each significant noise source. Where possible, extraneous noise sources were excluded from the analysis as to calculate the  $L_{Aeq}(15min)$  mine noise contribution for comparison against the relevant EPL limit.

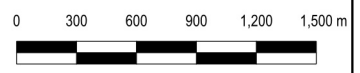
Prevailing meteorological conditions for the monitoring period were sourced from TGO's meteorological station and handheld weather meters and therefore analysed in accordance with Appendix D of the NPI to determine the stability category present at the time of each measured sample. This was undertaken to determine applicability of results in accordance with Condition L4.4 of the EPL. Results obtained during non-prevailing meteorological conditions (ie F Class in conjunction with a 2m/s drainage wind or a G class inversion) are considered not applicable against the EPL criteria.

FIGURE 1  
LOCALITY PLAN  
MAC160243  
TGO Compliance



**KEY**

- Receivers
- Brooklands
- Boundary

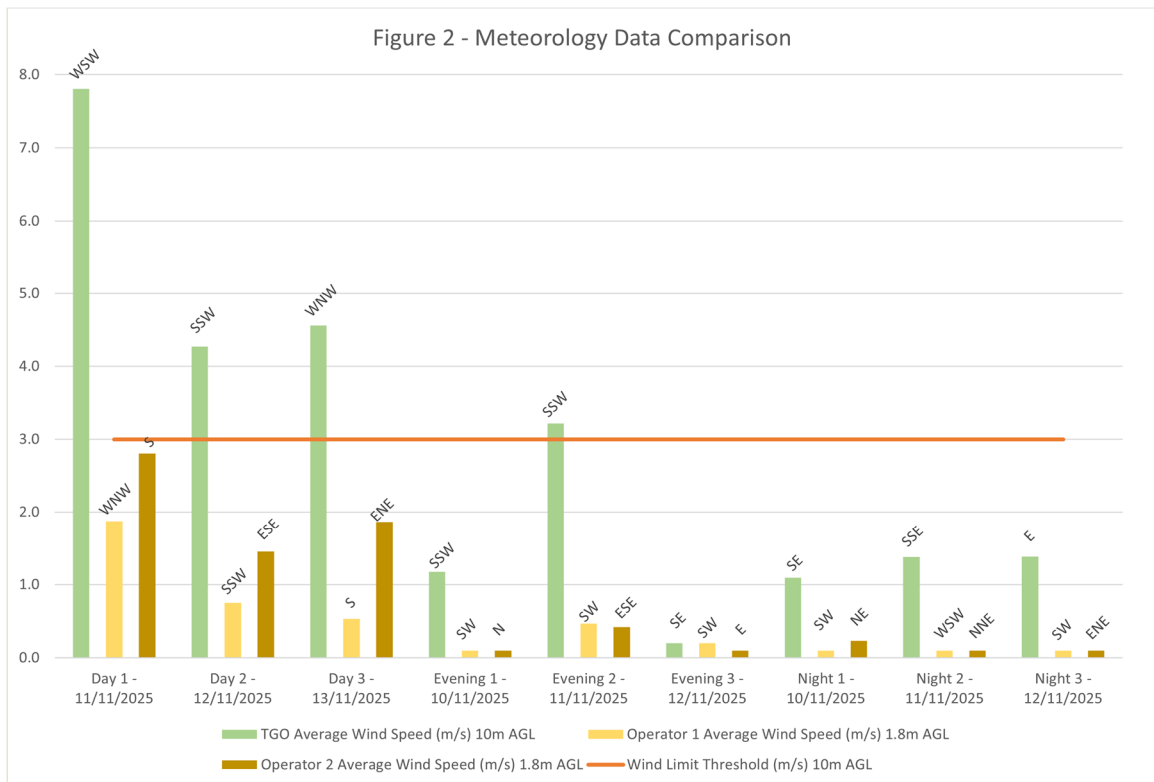


## 4 Results

The monitoring and assessment results are presented as separate detailed tables showing relevant metrics for each assessment location in **Appendix B**. A compliance summary for each measurement location is presented graphically in **Figure 3** to **Figure 14**.

### 4.1 Meteorological Conditions

Weather data for the noise assessment was sourced from TGOs on-site meteorological station as well as operator measured conditions on site at each EPL nominated receiver location. The data was used to determine prevailing meteorological conditions at the time of the attended measurements, which are presented in **Figure 2**.



It is noted that several results sourced from TGOs on-site meteorological station exceeded the wind speed threshold of 3m/s at 10 Above Ground Level (AGL), although operator measurements remained below the threshold (ie at ground level as per AS1055).

Figure 3  
 Tomingley Gold Operations  
 10 November 2025 to 13 November 2025  
 LAeq(15min) Site Contribution - R2

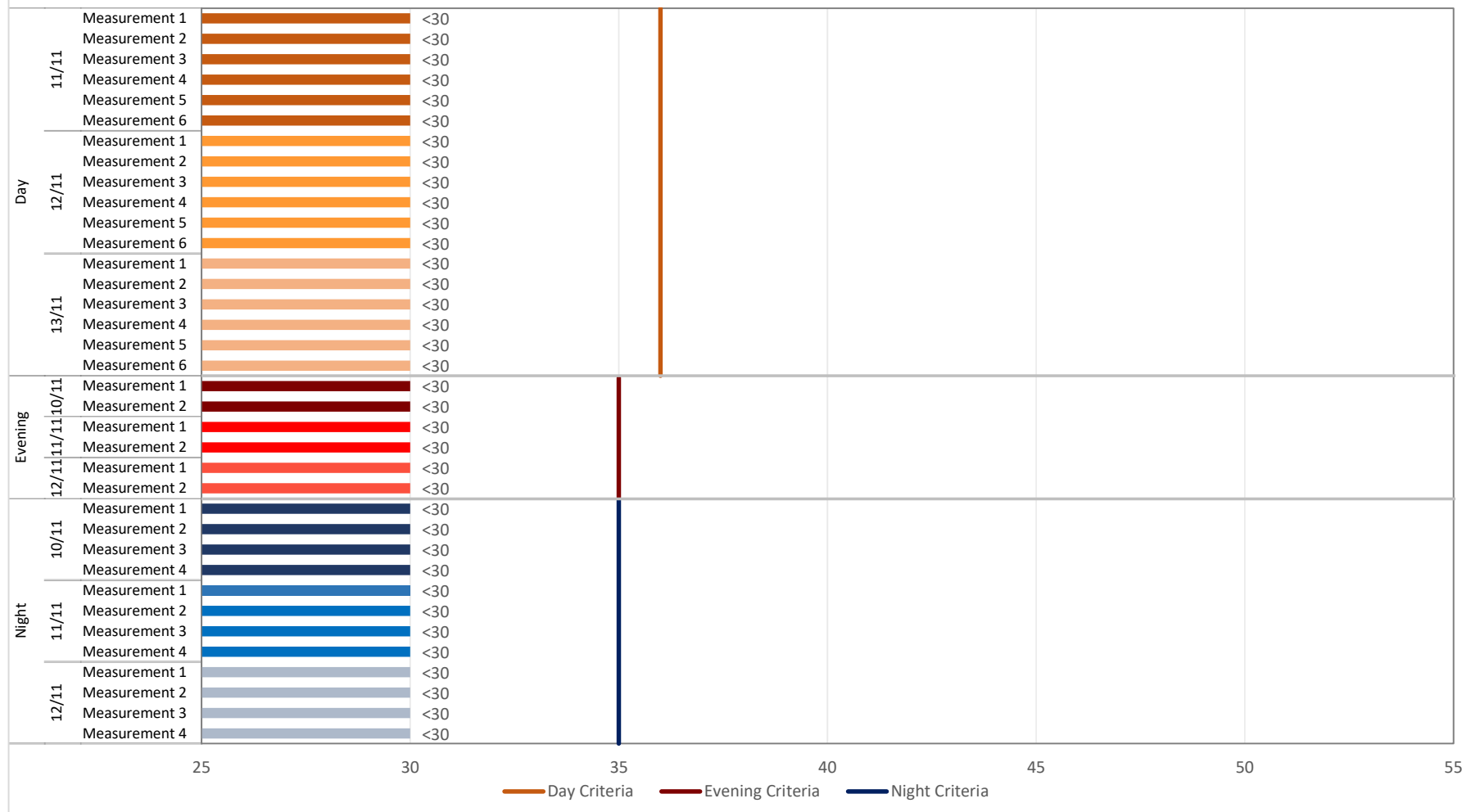


Figure 4  
 Tomingley Gold Operations  
 10 November 2025 to 13 November 2025  
 LAMax(15min) Site Contribution - R2

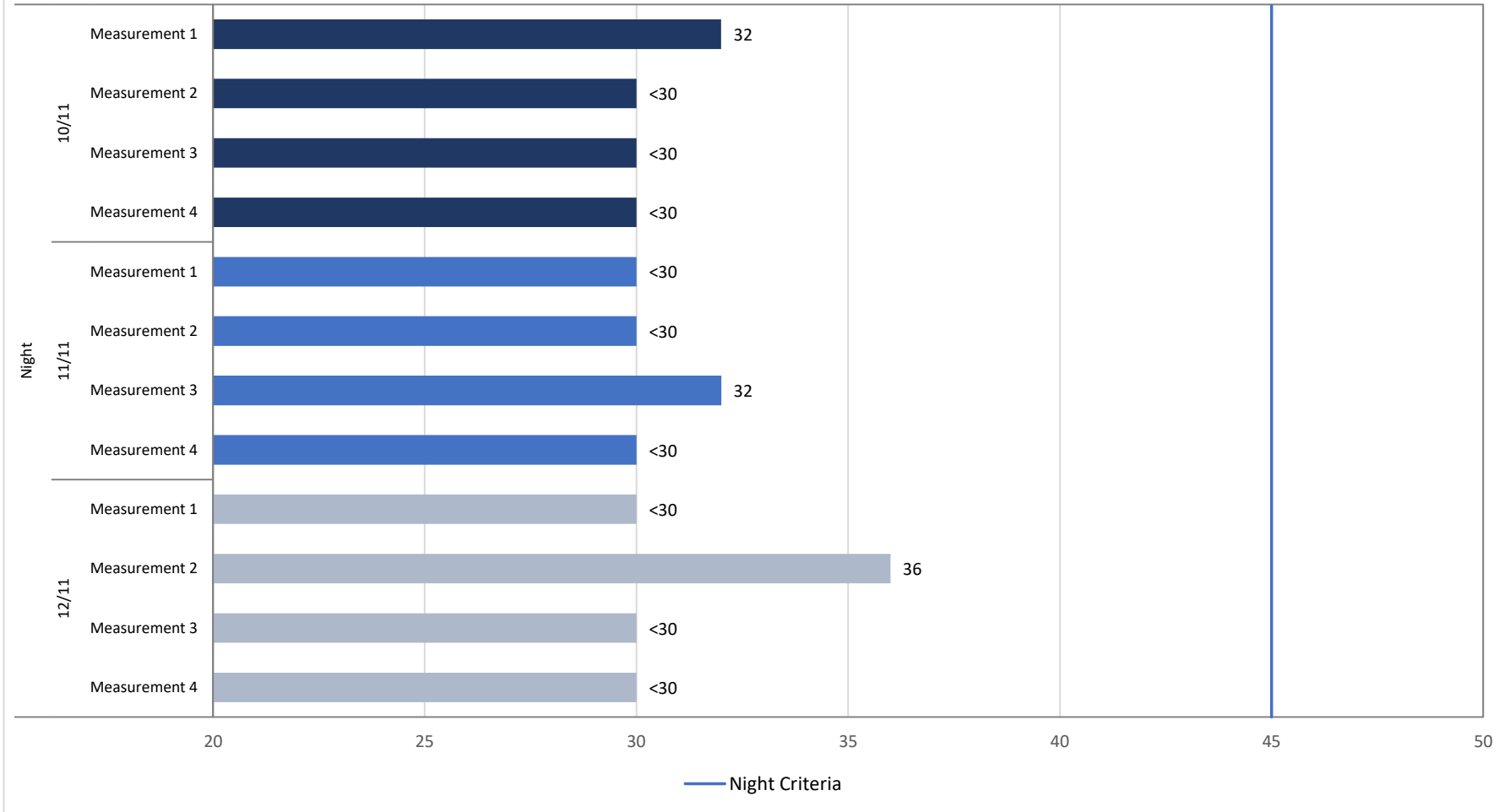


Figure 5  
 Tomingley Gold Operations  
 10 November 2025 to 13 November 2025  
 LAeq(15min) Site Contribution - R3

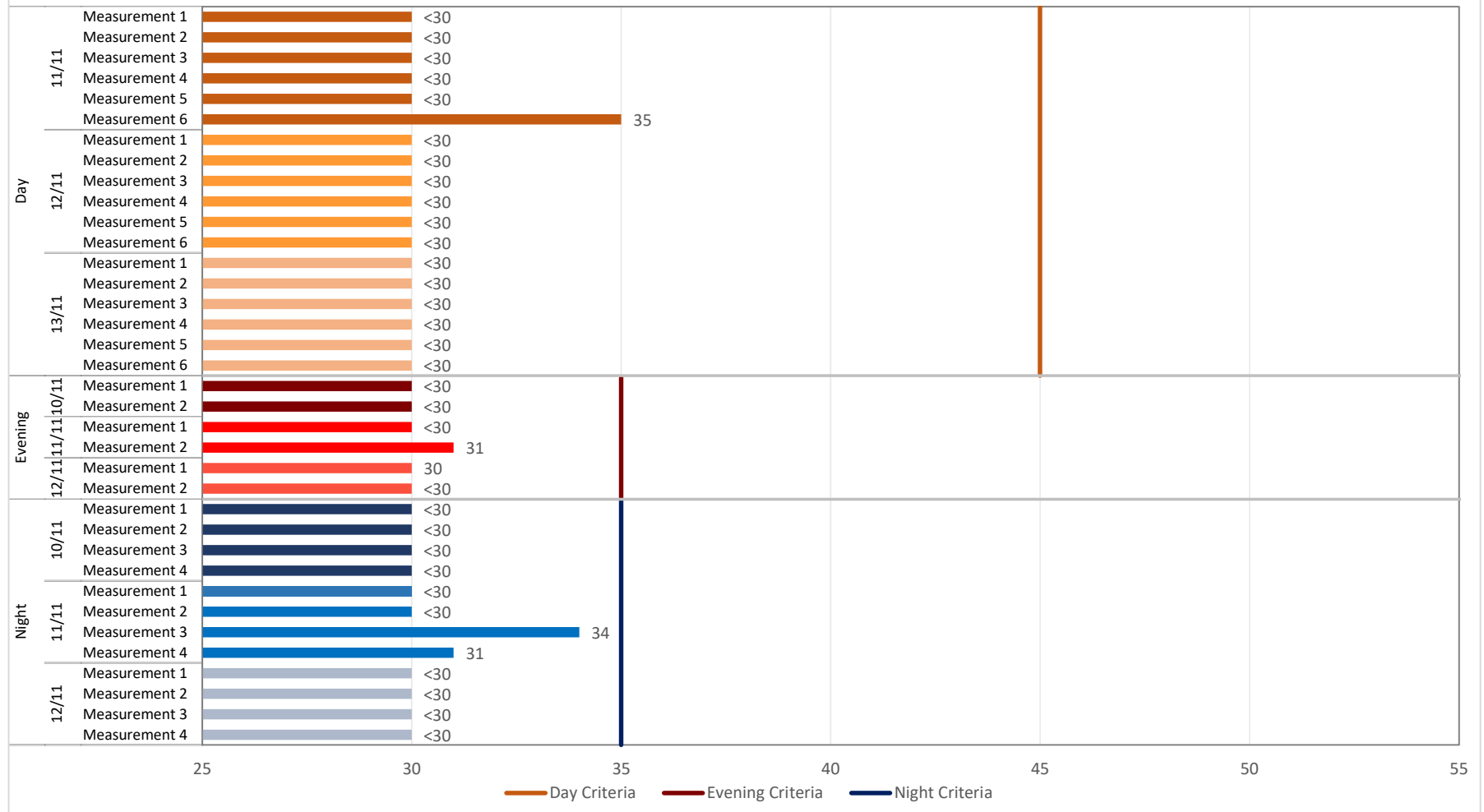


Figure 6  
 Tomingley Gold Operations  
 10 November 2025 to 13 November 2025  
 LAMax(15min) Site Contribution - R3

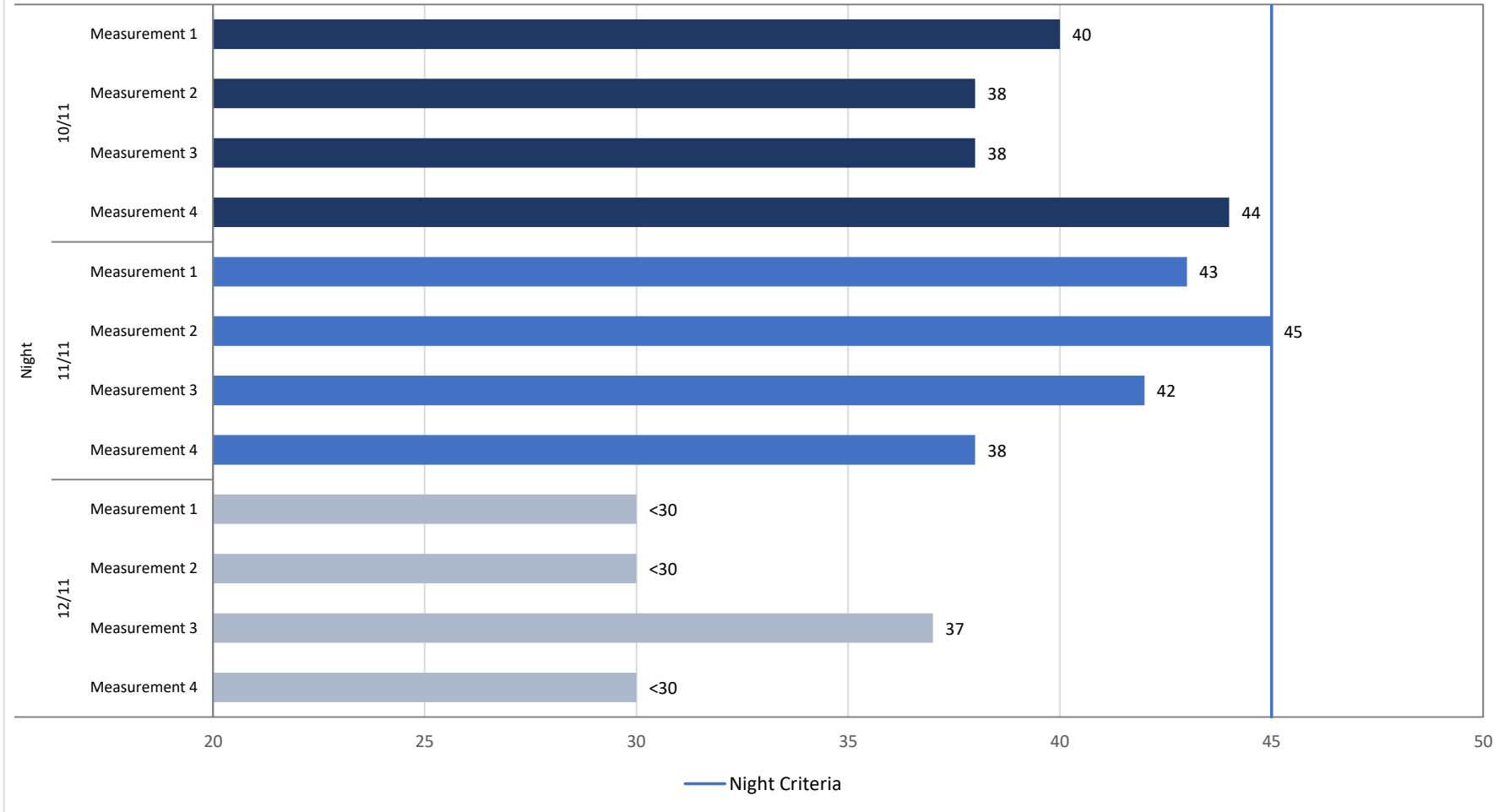


Figure 7  
 Tomingley Gold Operations  
 10 November 2025 to 13 November 2025  
 LAeq(15min) Site Contribution - R4

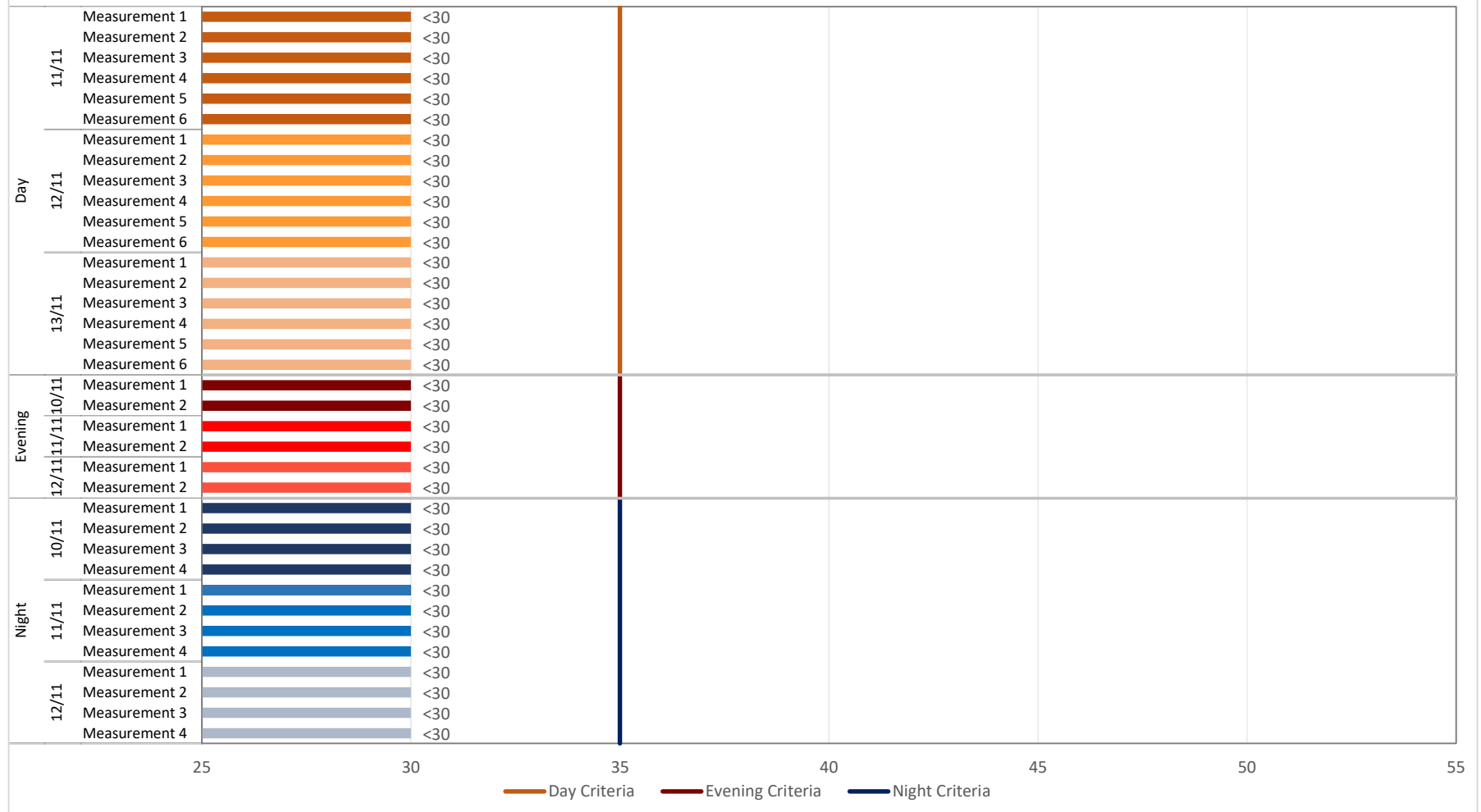


Figure 8  
Tomingley Gold Operations  
10 November 2025 to 13 November 2025  
LAMax(15min) Site Contribution - R4

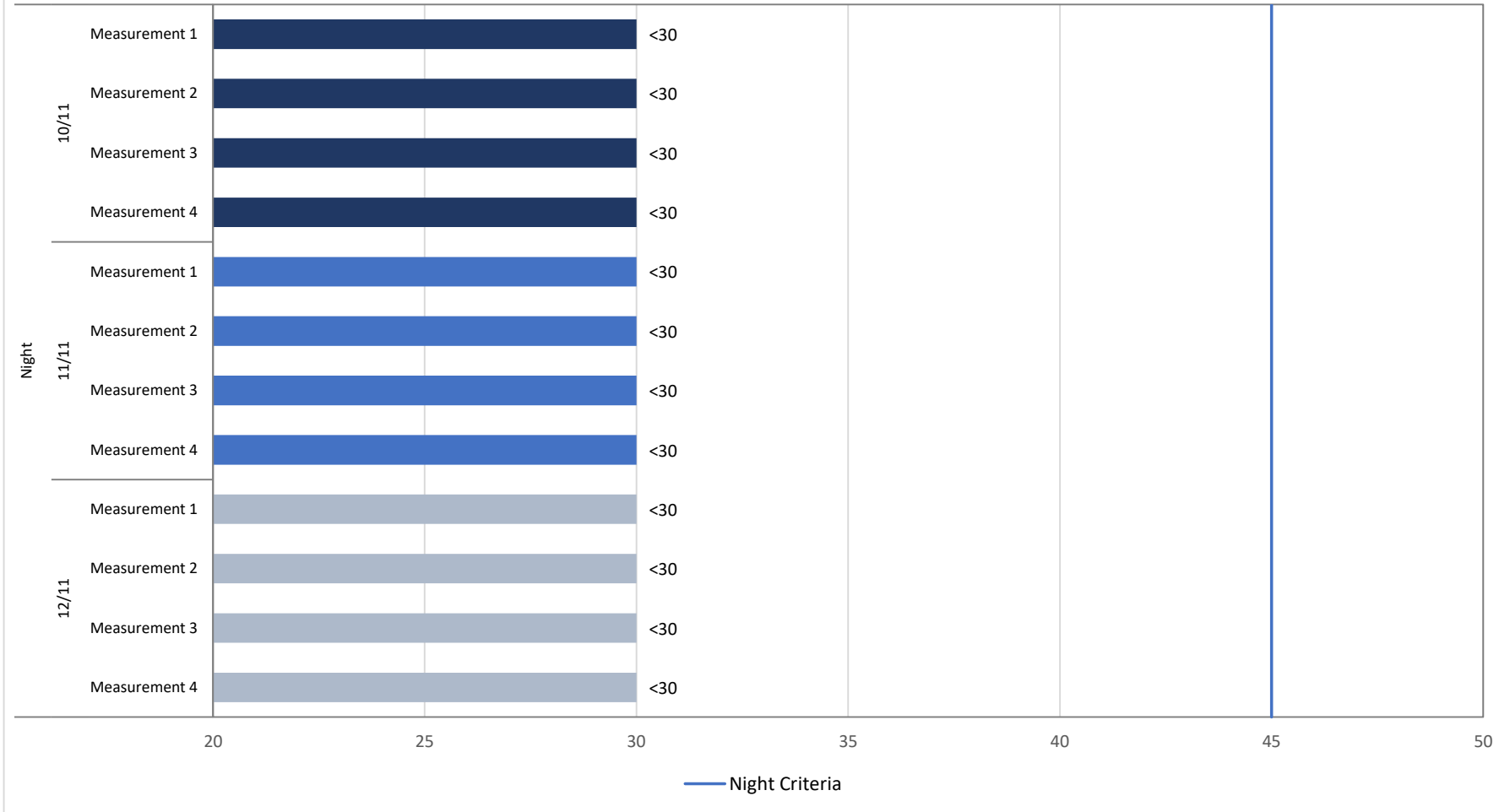


Figure 9  
 Tomingley Gold Operations  
 10 November 2025 to 13 November 2025  
 LAeq(15min) Site Contribution - R5

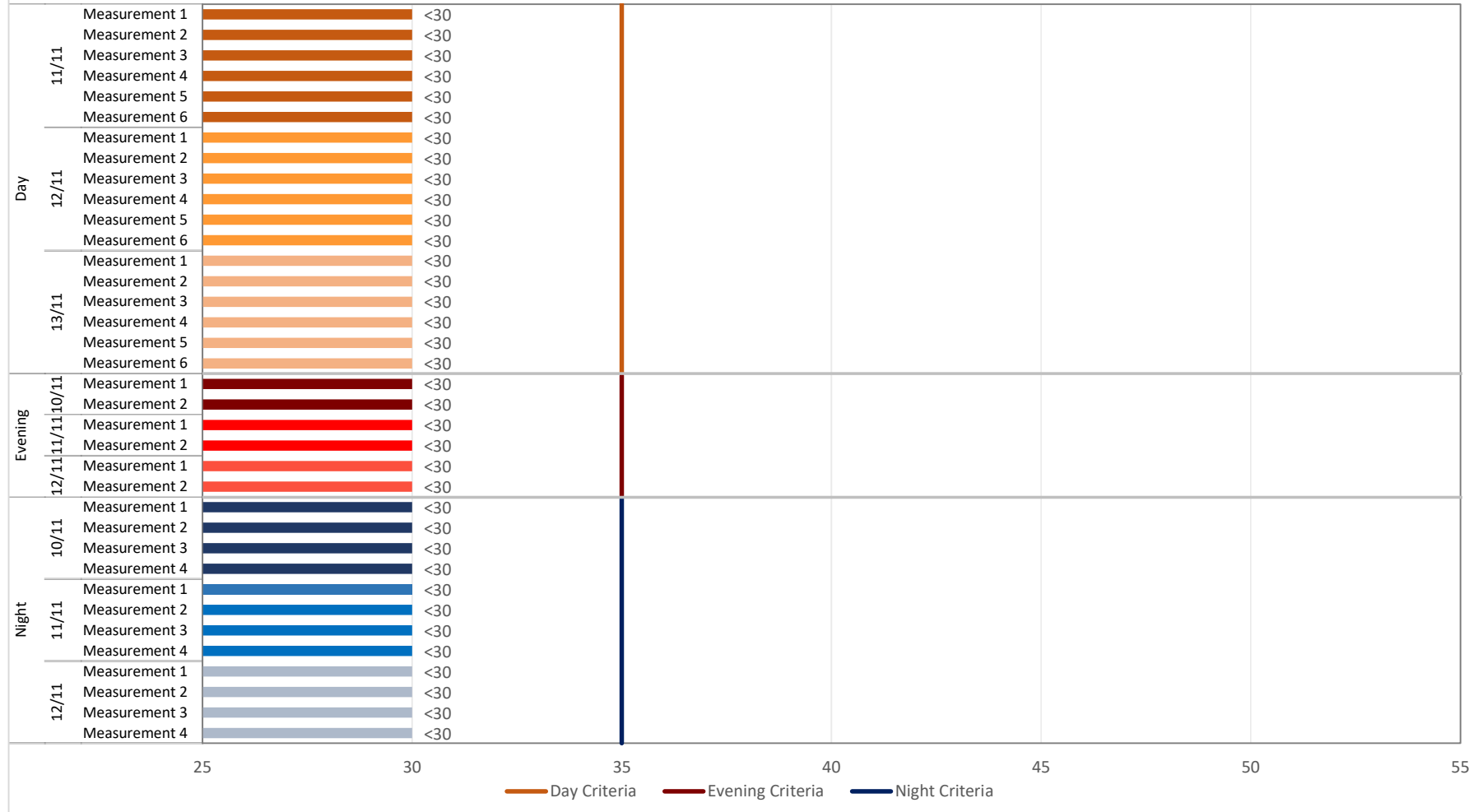


Figure 10  
 Tomingley Gold Operations  
 10 November 2025 to 13 November 2025  
 LAMax(15min) Site Contribution - R5

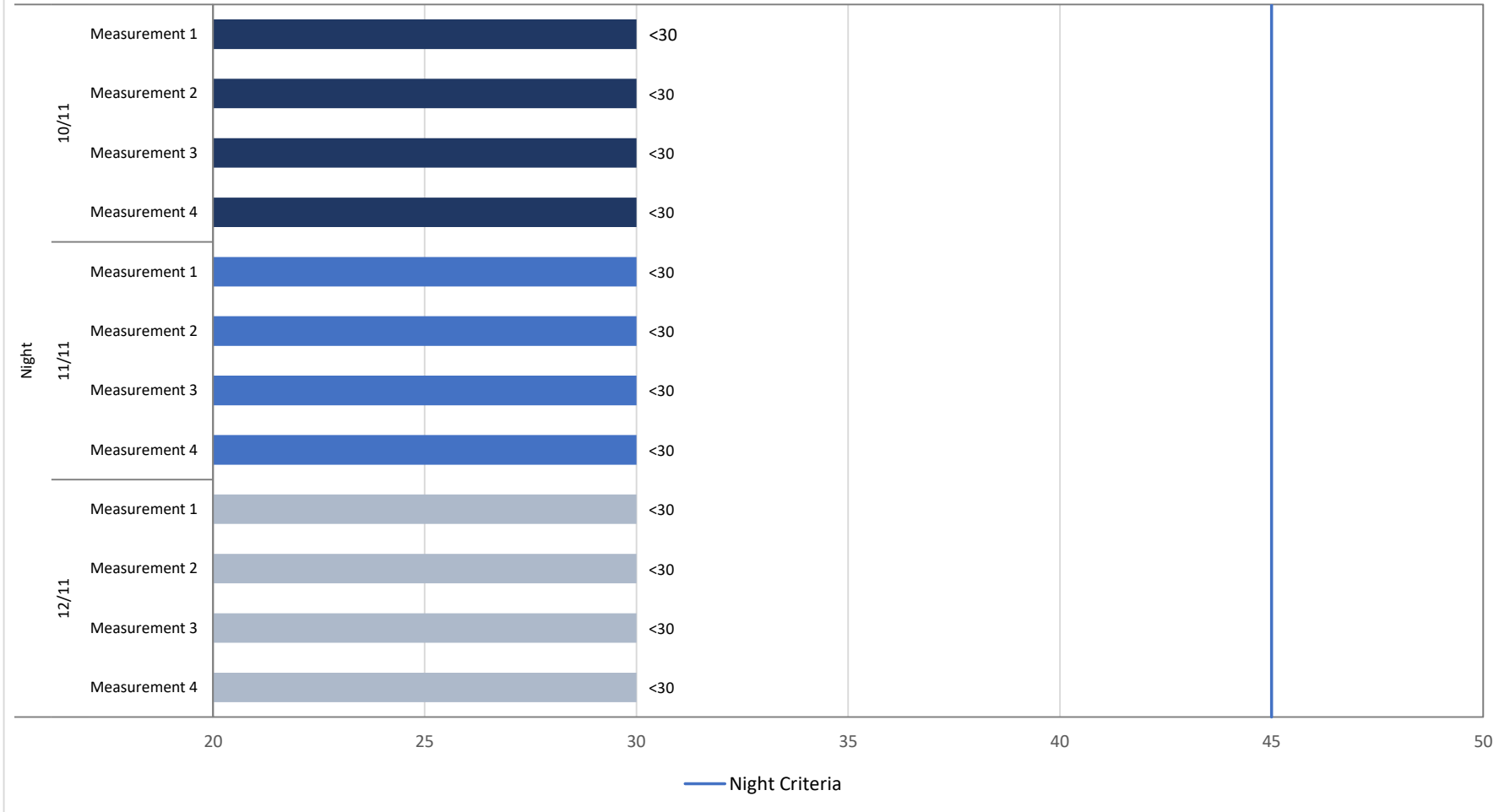


Figure 11  
 Tomingley Gold Operations  
 10 November 2025 to 13 November 2025  
 LAeq(15min) Site Contribution - R6

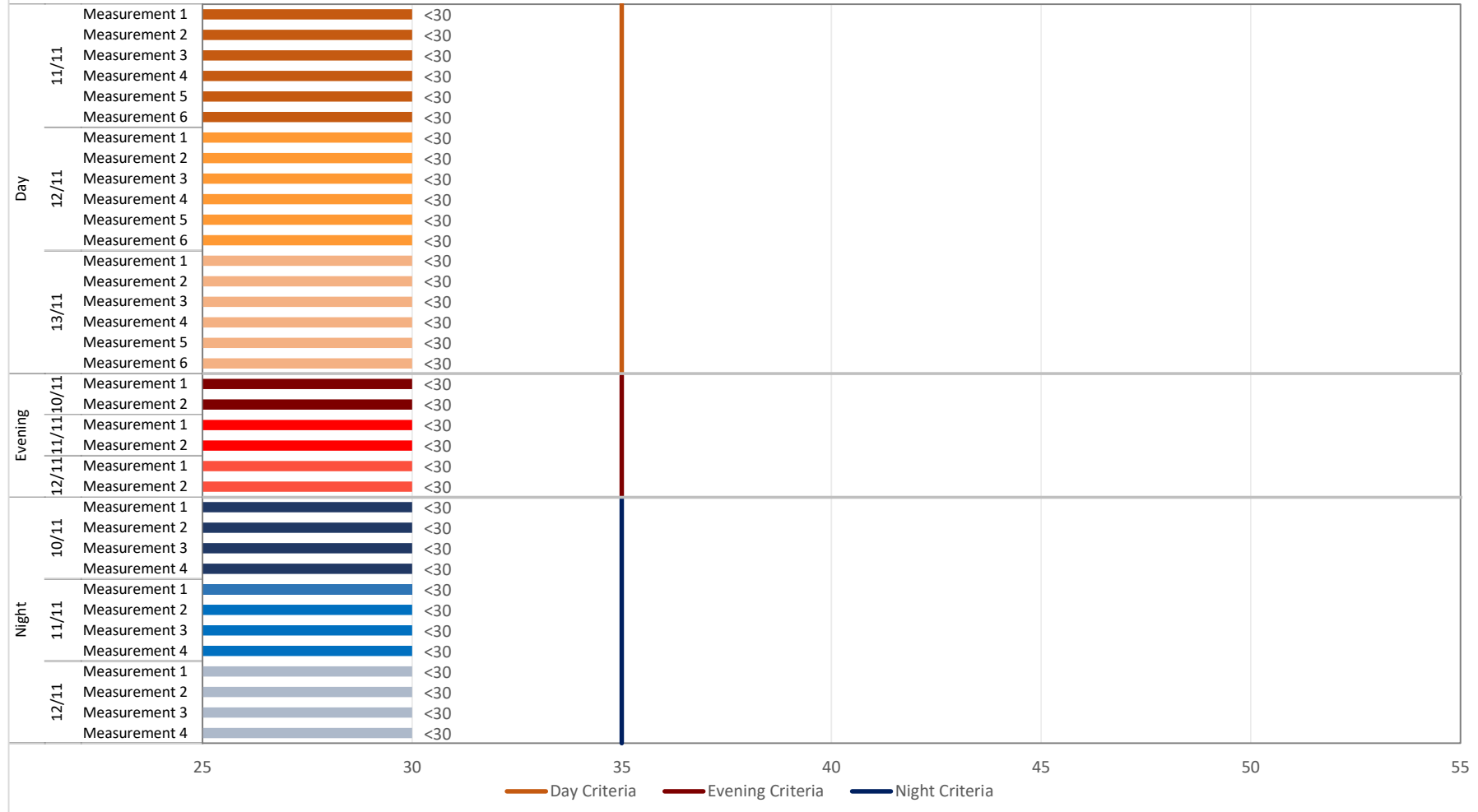


Figure 12  
 Tomingley Gold Operations  
 10 November 2025 to 13 November 2025  
 LAMax(15min) Site Contribution - R6

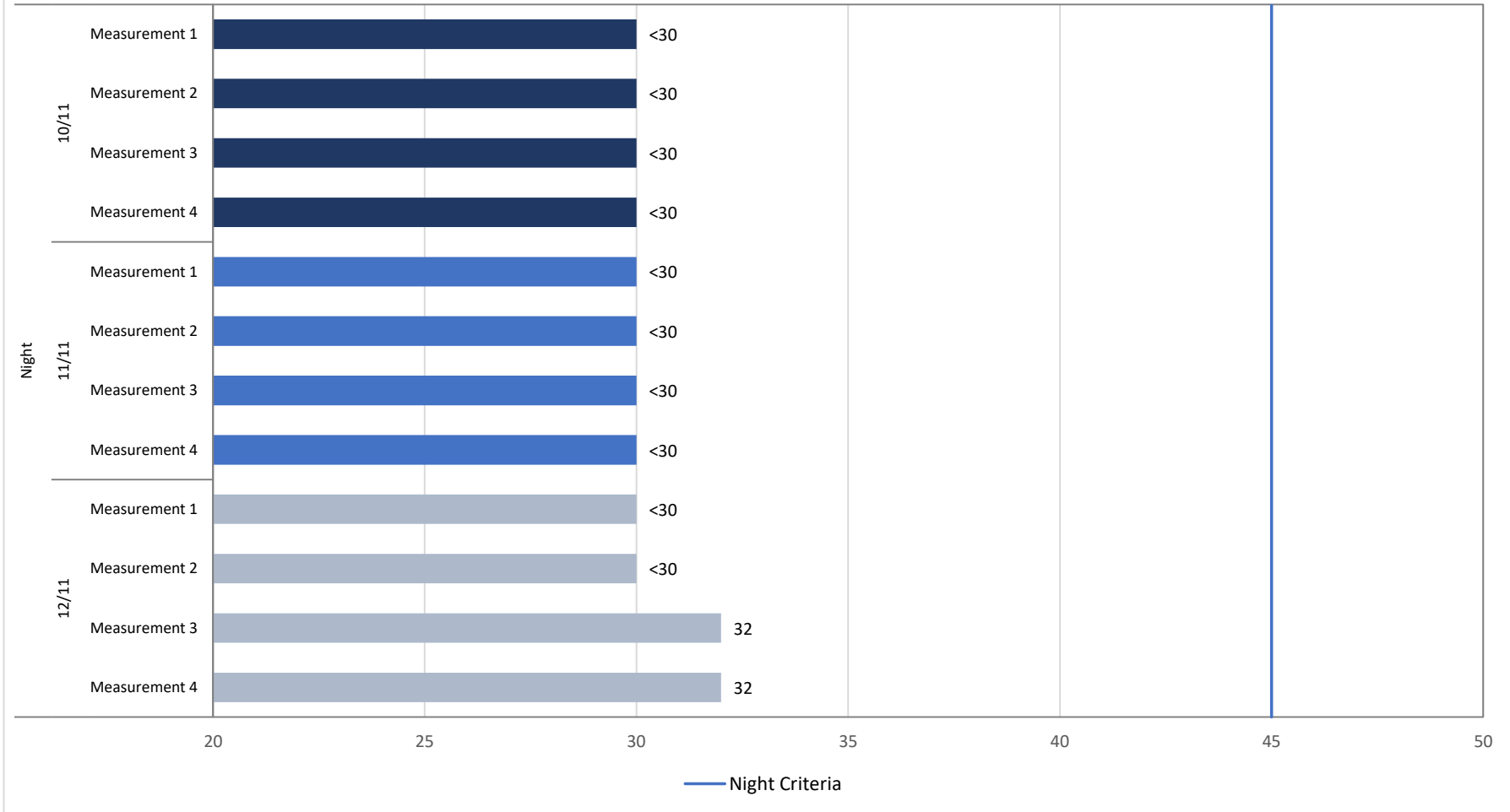


Figure 13  
 Tomingley Gold Operations  
 10 November 2025 to 13 November 2025  
 LAeq(15min) Site Contribution - R23

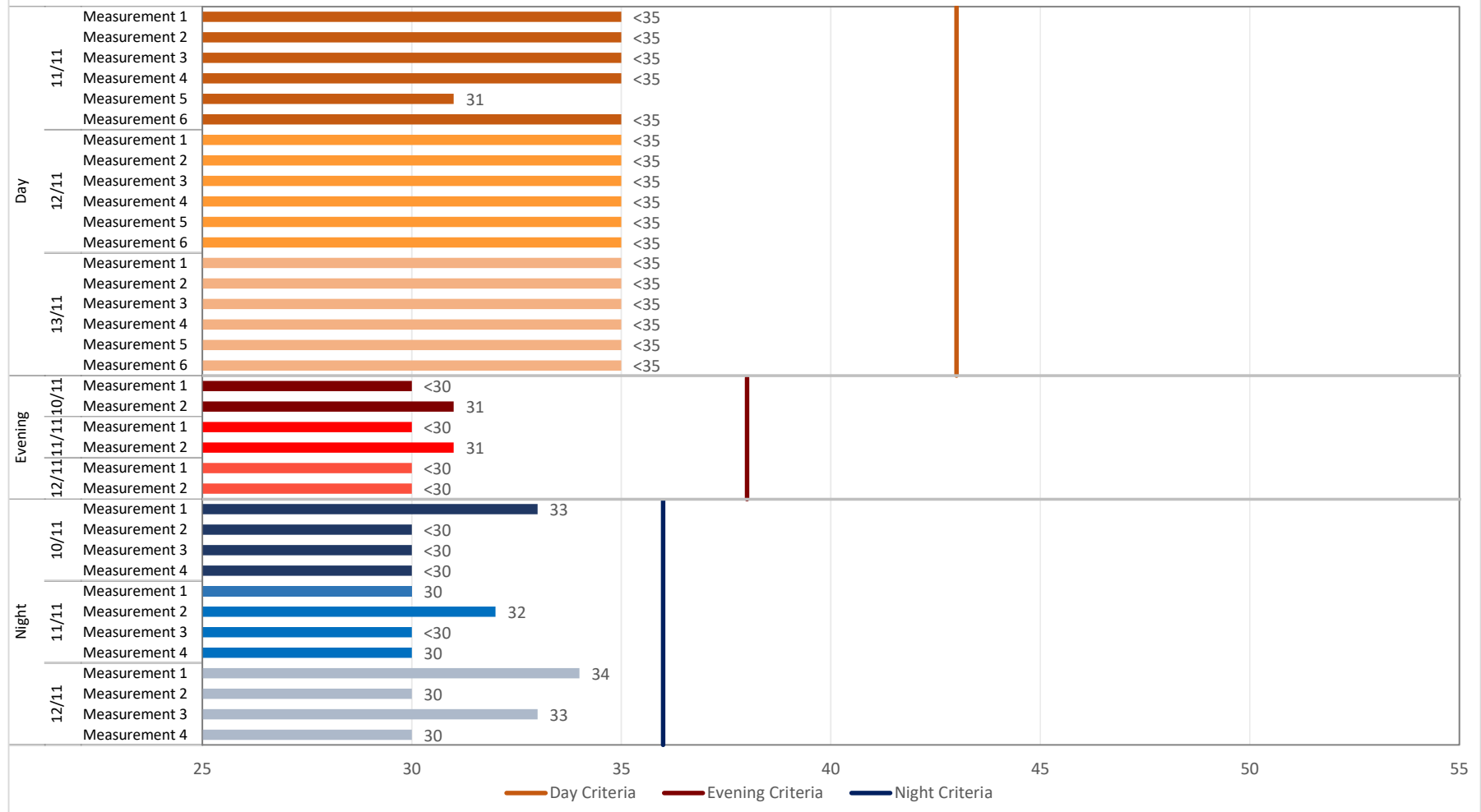
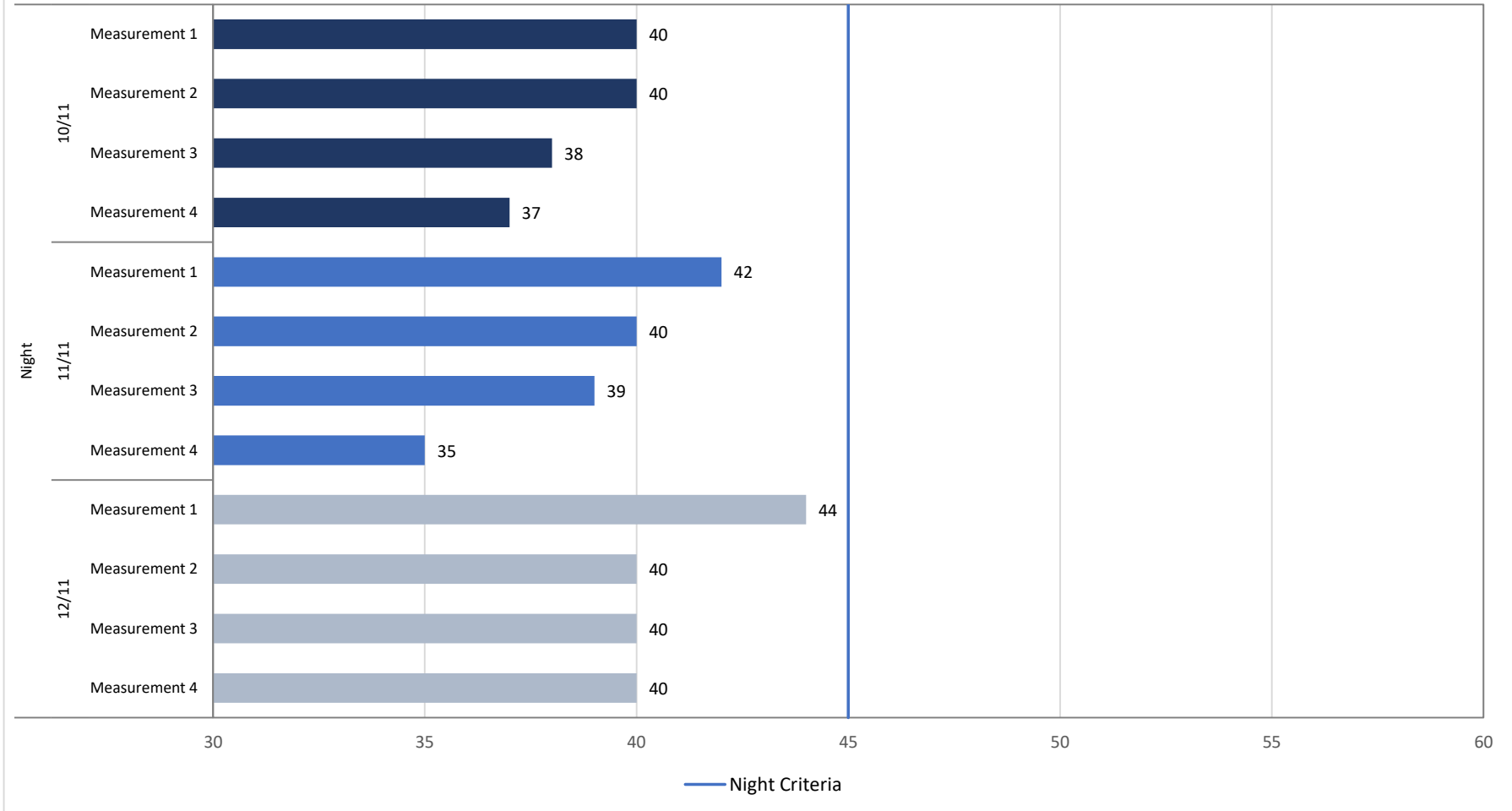


Figure 14  
 Tomingley Gold Operations  
 10 November 2025 to 13 November 2025  
 LAMax(15min) Site Contribution - R23



*This page has been intentionally left blank*

## 5 Discussion

### 5.1 Discussion of Results – Location R2

Monitoring between Monday 10 November 2025 and Thursday 13 November 2025 identified that TGO activities were audible on 14 occasions during the assessment period at location R2. The estimated mining contributions were measured at <30dBA, therefore TGO emissions remained below the relevant noise limits. Extraneous sources such as insects, traffic, wind in vegetation, birds, dogs barking, residential noise, operator noise and livestock were audible during the measurement period.

### 5.2 Discussion of Results – Location R3/R29

Monitoring between Monday 10 November 2025 and Thursday 13 November 2025 identified that TGO activities were audible on 18 occasions during the assessment period at location R3/R29. The estimated mining contributions were measured between <30dBA and 35dBA, therefore TGO emissions remained below the relevant noise limits. Extraneous sources such as traffic, birds, insects, residential noise, dogs barking, wind in vegetation, operator noise and service station operations were audible during the measurement period.

### 5.3 Discussion of Results – Location R4

Monitoring between Monday 10 November 2025 and Thursday 13 November 2025 identified that TGO activities remained inaudible during the assessment period at location R4. Therefore, the estimated mining contributions remained below the relevant noise limits. Extraneous sources such as insects, traffic, livestock, aircraft, birds, wildlife, agricultural noise, operator noise, and wind in vegetation were audible during the measurement period.

### 5.4 Discussion of Results – Location R5

Monitoring between Monday 10 November 2025 and Thursday 13 November 2025 identified that TGO activities remained inaudible during the assessment period at location R5. Therefore, the estimated mining contributions remained below the relevant noise limits. Extraneous sources such as traffic, birds, insects, wind in vegetation and offsite industrial noise, operator noise and construction were audible during the measurement period.

## 5.5 Discussion of Results – Location R6

Monitoring between Monday 10 November 2025 and Thursday 13 November 2025 identified that TGO activities were audible on six occasions during the assessment period at location R3/R29. The estimated mining contributions were measured to be below 30dBA, therefore TGO emissions remained below the relevant noise limits. Extraneous sources such as traffic, insects, livestock, operator noise, wind in vegetation, wildlife, and aircraft were audible during the measurement period.

## 5.6 Discussion of Results – Location R23

Monitoring between Monday 10 November 2025 and Thursday 13 November identified that TGO activities were audible on 25 occasions during the assessment period at location R5. The estimated mining contributions were measured to be below 35dBA, therefore TGO emissions remained below the relevant noise limits. Extraneous sources such as traffic, birds, residential noise, insects and wind in vegetation, aircraft, service station operations, residential noise and dogs barking were audible during the measurement period.

## 6 Comparison of Attended and Unattended Monitoring Results

To address Condition 6 of Schedule 3 of the Project Approval, a program to calibrate and validate the real-time noise monitoring results with the attended monitoring results has been completed.

The validation compares monthly attended monitoring results against the closest assessed unattended monitoring location. Currently, TGO has an unattended real-time monitoring terminal installed at the Brooklands property (nearest to R23). **Figure 1** identifies the location of the monitor with respect to the attended monitoring locations. It is noted that the Brooklands unattended monitor is situated 600m west of the attended noise monitoring location R23, therefore, background (LA90) noise levels are significantly lower due to offset distance to highway traffic.

Historically, a comparison of mine noise contributions between attended and unattended noise monitoring demonstrates a general consistency between attended and unattended results. It was noted that wind, insects, residential noise, and highway traffic noise influenced measured noise levels for this assessment. Furthermore, for November 2025, results remained below the relevant criteria for both attended and unattended locations.

**Table 2** provides a summary of comparisons or results between the attended and unattended noise surveys for R23.

**Table 2 Comparison of Attended and Unattended Results**

Assessment Type	Time (hrs)	Descriptor (dBA re 20 µPa)			Criteria	Mine Noise Contribution	Meteorology <sup>1</sup>	Description and SPL, dBA
		L <sub>Amax</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>				
		<b>Monday 10 November 2025</b>						
Attended	20:51	63	49	39	38	<30	WD: N WS: 0.1m/s Stab Class: E Insects 34-40 Traffic 30-63 TGO alarms 39 (<20 seconds) TGO processing 30-36 (<2 minutes)	
Unattended	20:45	55	42	32	38	<33	Traffic TGO inaudible	
Attended	23:52	62	49	38	36/45	25/38	WD: N WS: 0.5m/s Stab Class: D Residential 30-44 Traffic 25-62 Service station 35-57 TGO alarms 38 (<20 seconds)	
Unattended	23:45	53	41	32	36/45	<27	Traffic TGO inaudible	
<b>Tuesday 11 November 2025</b>								
Attended	14:01	71	60	54	43	<43	WD: S WS: 3.0m/s Stab Class: D Traffic 40-55 Birds 52 Wind in vegetation 50-71 TGO inaudible	
Unattended	14:00	66	56	52	43	<42	Audio Trigger N/A	
Attended	20:52	64	49	38	38	<33	WD: S WS: 0.2m/s Stab Class: D Service station 35-52 Traffic 35-64 Insects 32-35 TGO inaudible	
Unattended	20:45	52	39	34	38	<29	Insects Traffic TGO inaudible	
<b>Wednesday 12 November 2025</b>								
Attended	01:18	61	45	35	36/45	24/39	WD: N WS: 0.1m/s Stab Class: D Traffic 32-50 Service station 25-47 TGO alarms 37-39 (20 seconds) TGO impact 35	
Unattended	01:15	56	41	32	36/45	<27/<32	Insects TGO Inaudible	

**Table 2 Comparison of Attended and Unattended Results**

Assessment Type	Time (hrs)	Descriptor (dBA re 20 µPa)			Criteria	Mine Noise Contribution	Meteorology <sup>1</sup>	Description and SPL, dBA
		LAmax	LAeq	LA90				
		Attended	15:28	73				
Unattended	15:30	54	43	39	43	<34	Audio Trigger N/A	
Attended	20:53	63	48	35	38	<30	WD: N WS: 0.1m/s Stab Class: F Insects 30-38 Traffic 31-63 Service station 25-47 TGO alarms 34 (20 seconds)	
Unattended	20:45	52	41	35	38	<30	Traffic Dogs barking TGO inaudible	
Attended	23:52	65	49	42	36/45	33/40	WD: N WS: 0.1m/s Stab Class: F Traffic 39-44 TGO processing 33-39 (4 minutes) TGO alarms 38-40 (<20 seconds)	
Unattended	23:45	61	43	34	36/45	<29/<34	Insects Traffic TGO inaudible	
<b>Thursday 13 November 2025</b>								
Attended	15:32	62	50	44	43	<30	WD: N WS: 0.1m/s Stab Class: A Traffic 40-62 Birds 36-43 Insects 38-49 Residential 45-57 TGO inaudible	
Unattended	11:30	61	43	35	43	<30	Audio Trigger N/A	

Note 1: Meteorological data obtained from TGO's on-site weather station or by direct measurement by the operator.

*This page has been intentionally left blank*

## 7 Conclusion

Muller Acoustic Consulting Pty Ltd (MAC) has completed a Noise Compliance Assessment on behalf of Tomingley Gold Operations (TGO). The assessment was completed to quantify site noise emissions in accordance with relevant Environment Protection License EPL #20169 (EPL) and Project Approval #09\_0155 (PA) conditions pertaining to mine noise emissions.

Attended monitoring between Monday 10 November 2025 and Thursday 13 November 2025, identified that noise emissions generated by TGO comply with relevant noise limits specified in EPL conditions at all assessed locations.

*This page has been intentionally left blank*

# Appendix A – Glossary of Terms

A number of technical terms have been used in this report and are explained in **Table A1**.

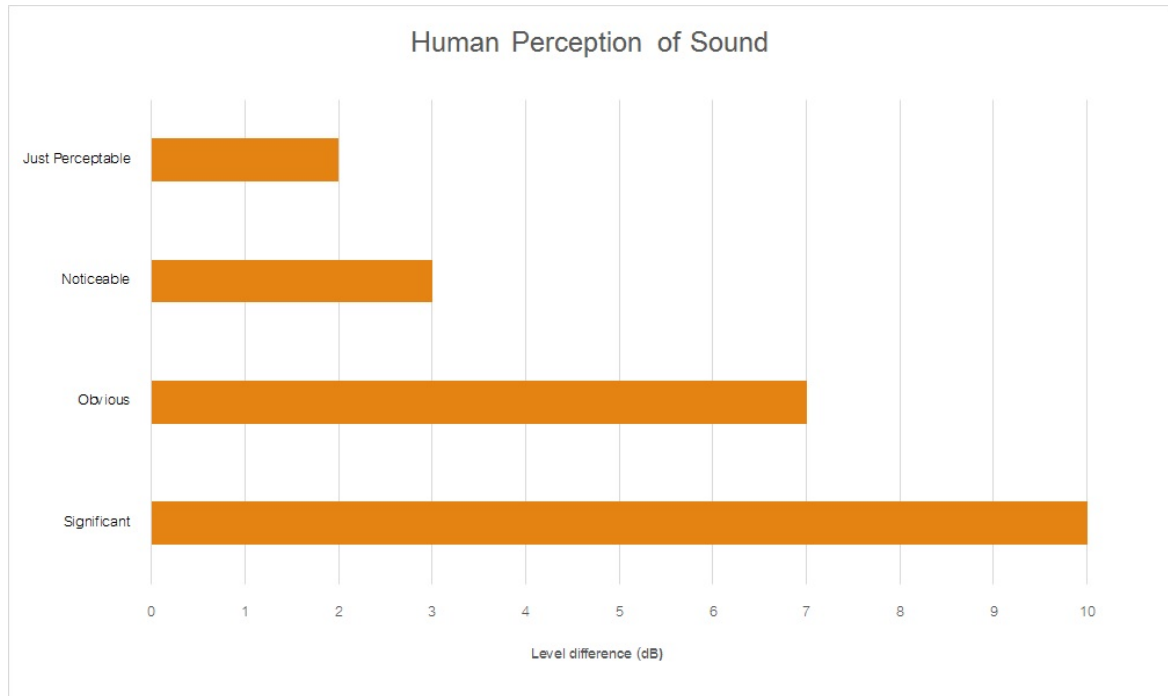
<b>Table A1 Glossary of Acoustical Terms</b>	
Term	Description
1/3 Octave	Single octave bands divided into three parts
Octave	A division of the frequency range into bands, the upper frequency limit of each band being twice the lower frequency limit.
ABL	Assessment Background Level (ABL) is defined in the NPI as a single figure background level for each assessment period (day, evening and night). It is the tenth percentile of the measured L90 statistical noise levels.
Ambient Noise	The total noise associated with a given environment. Typically, a composite of sounds from all sources located both near and far where no particular sound is dominant.
A Weighting	A standard weighting of the audible frequencies designed to reflect the response of the human ear to sound.
Background Noise	The underlying level of noise present in the ambient noise, excluding the noise source under investigation, when extraneous noise is removed. This is usually represented by the LA90 descriptor
dBA	Noise is measured in units called decibels (dB). There are several scales for describing noise, the most common being the 'A-weighted' scale. This attempts to closely approximate the frequency response of the human ear.
dB(Z), dB(L)	Decibels Z-weighted or decibels Linear (unweighted).
Extraneous Noise	Sound resulting from activities that are not typical of the area.
Hertz (Hz)	The measure of frequency of sound wave oscillations per second - 1 oscillation per second equals 1 hertz.
LA10	A sound level which is exceeded 10% of the time.
LA90	Commonly referred to as the background noise, this is the level exceeded 90% of the time.
LAeq	Represents the average noise energy or equivalent sound pressure level over a given period.
LAmx	The maximum sound pressure level received at the microphone during a measuring interval.
Masking	The phenomenon of one sound interfering with the perception of another sound. For example, the interference of traffic noise with use of a public telephone on a busy street.
RBL	The Rating Background Level (RBL) as defined in the NPI, is an overall single figure representing the background level for each assessment period over the whole monitoring period. The RBL, as defined is the median of ABL values over the whole monitoring period.
Sound power level (Lw or SWL)	This is a measure of the total power radiated by a source in the form of sound and is given by $10 \cdot \log_{10} (W/W_0)$ . Where W is the sound power in watts to the reference level of $10^{-12}$ watts.
Sound pressure level (Lp or SPL)	the level of sound pressure; as measured at a distance by a standard sound level meter. This differs from Lw in that it is the sound level at a receiver position as opposed to the sound 'intensity' of the source.

Table A2 provides a list of common noise sources and their typical sound level.

**Table A2 Common Noise Sources and Their Typical Sound Pressure Levels (SPL), dBA**

Source	Typical Sound Pressure Level
Threshold of pain	140
Jet engine	130
Hydraulic hammer	120
Chainsaw	110
Industrial workshop	100
Lawn-mower (operator position)	90
Heavy traffic (footpath)	80
Elevated speech	70
Typical conversation	60
Ambient suburban environment	40
Ambient rural environment	30
Bedroom (night with windows closed)	20
Threshold of hearing	0

**Figure A1 – Human Perception of Sound**



*This page has been intentionally left blank*

# Appendix B – Detailed Noise Monitoring Results

Tomingley Gold Operations - R2										
Day Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
11/11/2025	11:38	70	55	51	41	36	Wind : SW @ 2.5m/s Temp : 24 °C Stab Class : D	Traffic 30-70 Birds 46-52 Wind in Vegetation 41-52	<30	
Day Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
11/11/2025	11:53	73	62	58	45	36	Wind : SW @ 3m/s Temp : 24 °C Stab Class : D	Wind in Vegetation 40-63 Birds 46-60 Traffic 30-73 Insects 38-44	<30	
Day Measurement 3										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
11/11/2025	12:08	76	57	55	42	36	Wind : S @ 3m/s Temp : 24 °C Stab Class : D	Birds 47-72 Wind in Vegetation 35-68 Traffic 43-76	<30	
Day Measurement 4										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
11/11/2025	12:34	78	58	56	35	36	Wind : SW @ 3m/s Temp : 24 °C Stab Class : D	Birds 31-56 Wind in Vegetation 20-66 Traffic 30-78	<30	
Day Measurement 5										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
11/11/2025	12:49	71	56	53	42	36	Wind : S @ 2.5m/s Temp : 24 °C Stab Class : D	Traffic 30-71 Wind in Vegetation 40-57 Birds 39-48	<30	
Day Measurement 6										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
11/11/2025	13:04	106	63	69	48	36	Wind : S @ 3m/s Temp : 24 °C Stab Class : D	Wind in Vegetation 47-63 Traffic 30-69 Birds 44-58 MAC Operator 106	<30	
Evening Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2025	20:11	70	37	48	26	35	Wind : N @ 0.1m/s Temp : 19 °C Stab Class : E	Livestock 23-41 Traffic 25-70 Residential 26-68 Site Alarm <20 secs, 23-25	<30	
Evening Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2025	20:26	75	43	51	30	35	Wind : N @ 0.1m/s Temp : 18 °C Stab Class : E	Residential 20-45 Livestock 22-37 Traffic 20-75 Insects 24-38	<30	
Night Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
10/11/2025	22:10	64	34	33	21	35 / 45	Wind : N @ 0.1m/s Temp : 16 °C Stab Class : E	Insects 26-30 MAC Operator 60-64 Site Vehicles <2 min, 20-25 Site Alarm <20 secs, 32	<30	32
Night Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
10/11/2025	22:25	72	31	44	23	35 / 45	Wind : N @ 0.1m/s Temp : 16 °C Stab Class : E	Insects 22-25 Livestock 24-32 Traffic 20-72 Birds 20-25	<30	<30
Night Measurement 3										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
10/11/2025	22:40	38	26	25	22	35 / 45	Wind : N @ 0.1m/s Temp : 16 °C Stab Class : F	Dogs Barking 24-38 Insects 20-23 Site Processing 4 mins, 20-24 Site Vehicles <2 min, 21-26	<30	<30
Night Measurement 4										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
10/11/2025	22:55	50	27	25	22	35 / 45	Wind : N @ 0.1m/s Temp : 16 °C Stab Class : F	Livestock 20-50 Insects 20-24 Site Alarm <20 secs, 22-26 Site Vehicles <2 min, 20-23	<30	<30

Tomingley Gold Operations - R2										
Day Measurement 1										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
12/11/2025	13:03	69	52	49	35	36	Wind : SW @ 3m/s Temp : 21 °C Stab Class : A	Wind in Vegetation 36-61 Birds 35-52 Traffic 25-69 Insects 25-44	<30	
Day Measurement 2										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
12/11/2025	13:18	76	53	52	34	36	Wind : SW @ 3m/s Temp : 21 °C Stab Class : B	Wind in Vegetation 20-54 Insects 20-31 Traffic 23-76 Birds 21-36	<30	
Day Measurement 3										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
12/11/2025	13:33	76	52	53	32	36	Wind : SW @ 3m/s Temp : 21 °C Stab Class : A	Wind in Vegetation 20-56 Traffic 25-76 Birds 27-37 Insects 29-38	<30	
Day Measurement 4										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
12/11/2025	13:48	71	55	51	29	36	Wind : S @ 3m/s Temp : 22 °C Stab Class : C	Wind in Vegetation 20-54 Traffic 25-71 Birds 30 Insects 29-43	<30	
Day Measurement 5										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
12/11/2025	14:03	81	52	53	35	36	Wind : S @ 2m/s Temp : 22 °C Stab Class : B	Wind in Vegetation 34-56 Traffic 20-81 Insects 31-39 Birds 35-46	<30	
Day Measurement 6										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
12/11/2025	14:18	71	50	48	34	36	Wind : S @ 2m/s Temp : 22 °C Stab Class : A	Wind in Vegetation 20-58 Traffic 20-71 Insects 30-38 Birds 37-42	<30	
Evening Measurement 1										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
11/11/2025	20:15	61	50	48	44	35	Wind : S @ 1m/s Temp : 16 °C Stab Class : D	Wind in Vegetation 45-61 Livestock 40 Residential 38-41	<30	
Evening Measurement 2										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
11/11/2025	20:30	58	47	45	42	35	Wind : S @ 1m/s Temp : 16 °C Stab Class : D	Wind in Vegetation 40-58 Livestock 33-38 Residential 36-39 Site Alarm <1 min, 28-34	<30	
Night Measurement 1										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq/LAmax	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmax)
11/11/2025	23:21	50	30	28	21	35 / 45	Wind : N @ 0.1m/s Temp : 12 °C Stab Class : D	Livestock 20-23 MAC Operator 32-50 Traffic 25-32 Residential 20-25	<30	<30
Night Measurement 2										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq/LAmax	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmax)
11/11/2025	23:36	44	30	28	23	35 / 45	Wind : N @ 0.1m/s Temp : 12 °C Stab Class : D	Traffic 20-33 MAC Operator 44 Site Alarm <1 min, 23-28 Site Processing 4 mins, 22-26	<30	<30
Night Measurement 3										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq/LAmax	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmax)
11/11/2025	23:51	42	33	30	24	35 / 45	Wind : N @ 0.1m/s Temp : 11 °C Stab Class : E	Livestock 22-42 Birds 20-32 Site Processing 7.5 mins, 25-30 Site Alarm <1 min, 30-32	<30	32
Night Measurement 4										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq/LAmax	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmax)
12/11/2025	00:06	44	34	30	24	35 / 45	Wind : S @ 0.3m/s Temp : 10 °C Stab Class : F	Livestock 23-38 MAC Operator 44 Traffic 20-29 Site Processing 7.5 mins, 24-30	<30	30

Tomingley Gold Operations - R2										
Day Measurement 1										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
13/11/2025	16:26	70	51	47	32	36	Wind : N @ 2m/s Temp : 29 °C Stab Class : C	Insects 28-39 Wind in Vegetation 20-48 Birds 21-55 Traffic 25-70	<30	
Day Measurement 2										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
13/11/2025	16:41	72	57	55	46	36	Wind : N @ 3m/s Temp : 29 °C Stab Class : D	Wind in Vegetation 20-63 Birds 43-54 Traffic 30-72	<30	
Day Measurement 3										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
13/11/2025	16:56	77	56	55	40	36	Wind : N @ 3m/s Temp : 29 °C Stab Class : D	Insects 36-44 Wind in Vegetation 39-62 Birds 43 Traffic 24-77	<30	
Day Measurement 4										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
13/11/2025	17:11	64	51	48	40	36	Wind : N @ 3m/s Temp : 29 °C Stab Class : D	Wind in Vegetation 43-64 Birds 38-48 Insects 31-43	<30	
Day Measurement 5										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
13/11/2025	17:26	70	48	48	38	36	Wind : N @ 3m/s Temp : 29 °C Stab Class : D	Wind in Vegetation 35-54 Insects 31-47 Traffic 20-70 Birds 24-42	<30	
Day Measurement 6										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
13/11/2025	17:41	72	44	45	34	36	Wind : N @ 2m/s Temp : 28 °C Stab Class : C	Birds 29-42 Wind in Vegetation 35-53 Traffic 20-72 Insects 33-41	<30	
Evening Measurement 1										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
12/11/2025	20:15	73	36	49	24	35	Wind : N @ 0.1m/s Temp : 18 °C Stab Class : E	Insects 20-28 Traffic 20-73 Site Processing <2 min, 20-25 Site Vehicles 7.5 mins, 20-28	<30	
Evening Measurement 2										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
12/11/2025	20:30	41	31	28	24	35	Wind : N @ 0.1m/s Temp : 18 °C Stab Class : F	Livestock 20-41 Insects 20-23 Site Processing 10 mins, 20-33 Site Vehicles 4 mins, 20-30	<30	
Night Measurement 1										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq/LAmax</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	Site Contribution (L <sub>Amax</sub> )
12/11/2025	22:11	72	34	48	25	35 / 45	Wind : S @ 0.1m/s Temp : 14 °C Stab Class : D	Insects 20-25 Livestock 20-29 Traffic 20-72 Site Processing 10 mins, 20-25	<30	<30
Night Measurement 2										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq/LAmax</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	Site Contribution (L <sub>Amax</sub> )
12/11/2025	22:26	44	28	26	23	35 / 45	Wind : S @ 0.1m/s Temp : 14 °C Stab Class : D	Insects 20-24 Traffic 20-30 MAC Operator 42-44 Site Processing 4 mins, 20-36	<30	36
Night Measurement 3										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq/LAmax</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	Site Contribution (L <sub>Amax</sub> )
12/11/2025	22:41	72	29	45	22	35 / 45	Wind : S @ 0.1m/s Temp : 13 °C Stab Class : E	Traffic 20-72 Insects 20-27 MAC Operator 46 Site Processing 20-23	<30	<30
Night Measurement 4										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq/LAmax</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	Site Contribution (L <sub>Amax</sub> )
12/11/2025	22:56	48	27	26	22	35 / 45	Wind : S @ 0.1m/s Temp : 12 °C Stab Class : E	Traffic 20-48 Insects 20 Livestock 20-23 Site Vehicles 7.5 mins, 20-27	<30	<30

Note: All noise levels are dBA

Tomingley Gold Operations - R3										
Day Measurement 1										
Date	Time	L <sub>Amax</sub>	LA10	L <sub>Aeq</sub>	LA90	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq</sub> 15min)	
11/11/2025	15:12	91	75	73	57	45	Wind : SW @ 3m/s Temp : 24 °C Stab Class : D	Residential 50-58 Wind in Vegetation 40-71 Traffic 54-91 Birds 53-68	<30	
Day Measurement 2										
Date	Time	L <sub>Amax</sub>	LA10	L <sub>Aeq</sub>	LA90	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq</sub> 15min)	
11/11/2025	15:27	102	74	72	57	45	Wind : SW @ 3m/s Temp : 24 °C Stab Class : D	Traffic 52-85 Wind in Vegetation 51-65 Birds 49-56 MAC Operator 102	<30	
Day Measurement 3										
Date	Time	L <sub>Amax</sub>	LA10	L <sub>Aeq</sub>	LA90	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq</sub> 15min)	
11/11/2025	15:42	89	73	70	56	45	Wind : N @ 2m/s Temp : 24 °C Stab Class : D	Traffic 52-89 Birds 40-63 Wind in Vegetation 67-61	<30	
Day Measurement 4										
Date	Time	L <sub>Amax</sub>	LA10	L <sub>Aeq</sub>	LA90	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq</sub> 15min)	
11/11/2025	15:57	88	72	70	57	45	Wind : SW @ 2m/s Temp : 24 °C Stab Class : D	Traffic 51-88 Birds 47-55 Wind in Vegetation 41-66	<30	
Day Measurement 5										
Date	Time	L <sub>Amax</sub>	LA10	L <sub>Aeq</sub>	LA90	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq</sub> 15min)	
11/11/2025	16:12	87	71	69	63	45	Wind : N @ 2.5m/s Temp : 23 °C Stab Class : D	Wind in Vegetation 58-65 Traffic 62-87 Birds 45-60	<30	
Day Measurement 6										
Date	Time	L <sub>Amax</sub>	LA10	L <sub>Aeq</sub>	LA90	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq</sub> 15min)	
11/11/2025	16:27	83	70	68	63	45	Wind : SW @ 3m/s Temp : 23 °C Stab Class : D	Traffic 60-83 Birds 53-64 Wind in Vegetation 55-70 Site Processing <1 min, 45-50	35	
Evening Measurement 1										
Date	Time	L <sub>Amax</sub>	LA10	L <sub>Aeq</sub>	LA90	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq</sub> 15min)	
10/11/2025	21:25	86	68	68	46	35	Wind : N @ 0.1m/s Temp : 18 °C Stab Class : D	Traffic 35-86 Service Station 40-44 Insects 39-43 Site Processing <1 min, 35-40	<30	
Evening Measurement 2										
Date	Time	L <sub>Amax</sub>	LA10	L <sub>Aeq</sub>	LA90	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq</sub> 15min)	
10/11/2025	21:40	88	66	68	43	35	Wind : N @ 0.1m/s Temp : 18 °C Stab Class : F	Traffic 40-88 Service Station 37-41 Site Processing <1 min, 38-42 Site Alarms <1 min, 40-41	<30	
Night Measurement 1										
Date	Time	L <sub>Amax</sub>	LA10	L <sub>Aeq</sub>	LA90	Criteria L <sub>Aeq</sub> /L <sub>Amax</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq</sub> 15min)	Site Contribution (L <sub>Amax</sub> )
11/11/2025	00:32	88	64	68	49	35 / 45	Wind : NW @ 0.2m/s Temp : 13 °C Stab Class : E	Traffic 40-88 Site Alarms <20 secs, 38-40	<30	40
Night Measurement 2										
Date	Time	L <sub>Amax</sub>	LA10	L <sub>Aeq</sub>	LA90	Criteria L <sub>Aeq</sub> /L <sub>Amax</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq</sub> 15min)	Site Contribution (L <sub>Amax</sub> )
11/11/2025	00:47	85	60	64	46	35 / 45	Wind : NW @ 0.2m/s Temp : 13 °C Stab Class : F	Traffic 45-85 Service Station 40-46 Site Processing <1 min, 35-38	<30	38
Night Measurement 3										
Date	Time	L <sub>Amax</sub>	LA10	L <sub>Aeq</sub>	LA90	Criteria L <sub>Aeq</sub> /L <sub>Amax</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq</sub> 15min)	Site Contribution (L <sub>Amax</sub> )
11/11/2025	01:02	88	64	67	48	35 / 45	Wind : N @ 0.2m/s Temp : 12 °C Stab Class : F	Traffic 35-88 Service Station 45-53 Dogs Barking 44-55 Site Processing <1 min, 36-38	<30	38
Night Measurement 4										
Date	Time	L <sub>Amax</sub>	LA10	L <sub>Aeq</sub>	LA90	Criteria L <sub>Aeq</sub> /L <sub>Amax</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq</sub> 15min)	Site Contribution (L <sub>Amax</sub> )
11/11/2025	01:17	85	59	64	48	35 / 45	Wind : N @ 0.2m/s Temp : 12 °C Stab Class : D	Traffic 30-85 Service Station 49-58 Dogs Barking 42-56 Site Processing <1 min, 38-44	<30	44

Tomingley Gold Operations - R3										
Day Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
12/11/2025	16:21	90	73	71	46	45	Wind : S @ 0.1m/s Temp : 23 °C Stab Class : A	Traffic 50-90 Birds 42-59	<30	
Day Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
12/11/2025	16:36	84	72	68	46	45	Wind : S @ 0.1m/s Temp : 23 °C Stab Class : B	Traffic 38-84 Birds 42-51	<30	
Day Measurement 3										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
12/11/2025	16:51	85	71	69	45	45	Wind : S @ 0.1m/s Temp : 23 °C Stab Class : C	Traffic 51-85 Birds 47-59 Site Processing <2 min, 36-40	<30	
Day Measurement 4										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
12/11/2025	17:06	87	69	67	45	45	Wind : S @ 0.1m/s Temp : 23 °C Stab Class : B	Traffic 40-87 Birds 35-51	<30	
Day Measurement 5										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
12/11/2025	17:21	93	74	71	47	45	Wind : N @ 0.1m/s Temp : 23 °C Stab Class : C	Traffic 30-93 Birds 38-54	<30	
Day Measurement 6										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
12/11/2025	17:36	86	71	68	47	45	Wind : N @ 0.1m/s Temp : 23 °C Stab Class : B	Traffic 42-86 Birds 38-60	<30	
Evening Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
11/11/2025	21:29	88	70	70	45	35	Wind : N @ 0.1m/s Temp : 13 °C Stab Class : D	Traffic 41-88 Site Processing <2 min, 33-36	<30	
Evening Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
11/11/2025	21:44	87	65	66	44	35	Wind : N @ 0.1m/s Temp : 13 °C Stab Class : D	Traffic 43-87 Site Processing <2 min, 36-44 Site Vehicles <1 min, 35-43 Site Alarms <20 secs, 44-45	31	
Night Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
11/11/2025	22:01	86	65	67	42	35 / 45	Wind : N @ 0.1m/s Temp : 13 °C Stab Class : E	Traffic 37-86 Site Processing <2 min, 30-43	<30	43
Night Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
11/11/2025	22:16	88	62	65	40	35 / 45	Wind : N @ 0.1m/s Temp : 13 °C Stab Class : E	Traffic 38-88 Site Vehicles <1 min, 37-43 Site Processing <1 min, 35-44 Site Alarms <20 secs, 42-45	<30	45
Night Measurement 3										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
11/11/2025	22:31	86	62	65	39	35 / 45	Wind : N @ 0.1m/s Temp : 11 °C Stab Class : E	Traffic 36-86 Birds 30-49 Site Vehicles 28-40 Site Processing <4 mins, 30-42	34	42
Night Measurement 4										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
11/11/2025	22:46	86	63	66	38	35 / 45	Wind : N @ 0.1m/s Temp : 11 °C Stab Class : D	Traffic 39-86 Site Processing <2 min, 32-42 Site Vehicles <1 min, 32-38	31	38

Tomingley Gold Operations - R3										
Day Measurement 1										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
13/11/2025	12:44	91	75	72	50	45	Wind : NE @ 1.5m/s Temp : 26 °C Stab Class : A	Traffic 55-91 Dogs Barking 51-55 Birds 45-50	<30	
Day Measurement 2										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
13/11/2025	12:59	91	73	72	47	45	Wind : NE @ 1.5m/s Temp : 26 °C Stab Class : B	Traffic 40-91 Birds 38-49	<30	
Day Measurement 3										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
13/11/2025	13:14	86	68	67	43	45	Wind : NE @ 1.5m/s Temp : 26 °C Stab Class : B	Traffic 35-86 Birds 47-58 Site Alarms <20 secs, 37-39	<30	
Day Measurement 4										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
13/11/2025	13:29	92	73	72	46	45	Wind : NE @ 1.5m/s Temp : 26 °C Stab Class : A	Traffic 42-92 Birds 41-49	<30	
Day Measurement 5										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
13/11/2025	13:44	88	73	71	44	45	Wind : NE @ 1.5m/s Temp : 27 °C Stab Class : A	Traffic 40-88 Birds 49-64 Insects 36-41	<30	
Day Measurement 6										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
13/11/2025	13:59	87	74	70	46	45	Wind : SE @ 0.5m/s Temp : 27 °C Stab Class : A	Traffic 40-87 Birds 48-61 Site Processing <1 min, 35-39	<30	
Evening Measurement 1										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
12/11/2025	21:26	88	64	67	51	35	Wind : W @ 0.1m/s Temp : 14 °C Stab Class : E	Traffic 47-88 Insects 43-47 Site Processing <1 min, 40-45	30	
Evening Measurement 2										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
12/11/2025	21:41	89	68	70	51	35	Wind : W @ 0.1m/s Temp : 14 °C Stab Class : E	Traffic 49-89 Insects 40-52	<30	
Night Measurement 1										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq/LAmax</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	Site Contribution (L <sub>Amax</sub> )
13/11/2025	00:31	89	64	67	61	35 / 45	Wind : N @ 0.1m/s Temp : 11 °C Stab Class : E	Insects 48-52 Traffic 50-89	<30	<30
Night Measurement 2										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq/LAmax</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	Site Contribution (L <sub>Amax</sub> )
13/11/2025	00:46	84	64	65	61	35 / 45	Wind : N @ 0.1m/s Temp : 11 °C Stab Class : E	Traffic 50-84 Insects 50-52	<30	<30
Night Measurement 3										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq/LAmax</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	Site Contribution (L <sub>Amax</sub> )
13/11/2025	01:05	90	63	69	46	35 / 45	Wind : N @ 0.1m/s Temp : 10 °C Stab Class : E	Traffic 30-90 Birds 38-42 Site Alarms <1 min, 35-37	<30	37
Night Measurement 4										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq/LAmax</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	Site Contribution (L <sub>Amax</sub> )
13/11/2025	01:20	91	57	65	46	35 / 45	Wind : N @ 0.1m/s Temp : 10 °C Stab Class : D	Traffic 35-91 Insects 44-50	<30	<30

Note: All noise levels are dBA

Tomingley Gold Operations - R4										
Day Measurement 1										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
11/11/2025	11:21	62	50	47	36	35	Wind : NW @ 1.5m/s Temp : 25 °C Stab Class : D	Wind in Vegetation 33-56 Birds 34-62 Traffic 35-40	<30	
Day Measurement 2										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
11/11/2025	11:36	63	53	48	39	35	Wind : NW @ 1.5m/s Temp : 25 °C Stab Class : D	Wind in Vegetation 33-57 Birds 34-63 Traffic <35 Insects <35	<30	
Day Measurement 3										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
11/11/2025	11:51	63	52	49	40	35	Wind : NW @ 1.6m/s Temp : 25 °C Stab Class : D	Wind in Vegetation 37-60 Birds 39-63 Insects 40-43	<30	
Day Measurement 4										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
11/11/2025	12:06	65	51	48	41	35	Wind : NW @ 2m/s Temp : 25 °C Stab Class : D	Wind in Vegetation 37-61 Birds 37-65 Insects <35 Aircraft 40-47	<30	
Day Measurement 5										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
11/11/2025	12:21	61	50	47	41	35	Wind : NW @ 2m/s Temp : 25 °C Stab Class : D	Wind in Vegetation 39-58 Birds 40-61 Insects 37 Traffic 40-45	<30	
Day Measurement 6										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
11/11/2025	12:36	58	49	46	40	35	Wind : NW @ 2m/s Temp : 25 °C Stab Class : D	Wind in Vegetation 36-54 Birds 37-58 Insects <33 Aircraft 39-50	<30	
Evening Measurement 1										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
10/11/2025	20:43	47	35	32	24	35	Wind : SW @ 0.1m/s Temp : 18 °C Stab Class : E	Insects 20-26 Traffic 22-38 Birds 30-47	<30	
Evening Measurement 2										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
10/11/2025	20:58	45	33	31	23	35	Wind : SW @ 0.1m/s Temp : 18 °C Stab Class : D	Insects 20-26 Traffic 21-36 Birds 27-45	<30	
Night Measurement 1										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq/LAmax</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	Site Contribution (L <sub>Amax</sub> )
10/11/2025	23:10	44	37	33	26	35 / 45	Wind : SW @ 0.1m/s Temp : 16 °C Stab Class : E	Traffic 20-44 Insects 20-23 Wildlife 30-35	<30	<30
Night Measurement 2										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq/LAmax</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	Site Contribution (L <sub>Amax</sub> )
10/11/2025	23:25	47	37	33	21	35 / 45	Wind : SW @ 0.1m/s Temp : 16 °C Stab Class : E	Traffic 18-40 Insects 16-25 Wildlife 19-47	<30	<30
Night Measurement 3										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq/LAmax</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	Site Contribution (L <sub>Amax</sub> )
10/11/2025	23:40	47	38	34	18	35 / 45	Wind : SW @ 0.1m/s Temp : 15 °C Stab Class : D	Traffic 17-35 Insects 15-20 Wildlife 22-47	<30	<30
Night Measurement 4										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq/LAmax</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	Site Contribution (L <sub>Amax</sub> )
10/11/2025	23:55	46	35	32	18	35 / 45	Wind : SW @ 0.1m/s Temp : 15 °C Stab Class : E	Traffic 15-35 Insects 15-20 Wildlife 24-46	<30	<30

Tomingley Gold Operations - R4										
Day Measurement 1										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
12/11/2025	12:18	51	42	39	31	35	Wind : SW @ 0.8m/s Temp : 22 °C Stab Class : B	Birds 29-51 Insects 27-43 Wind in Vegetation 30-47 Agricultural 33-48	<30	
Day Measurement 2										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
12/11/2025	12:33	53	46	42	35	35	Wind : SW @ 0.8m/s Temp : 22 °C Stab Class : C	Birds 31-53 Insects 30-32 Wind in Vegetation 30-56 Agricultural 33-44	<30	
Day Measurement 3										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
12/11/2025	12:48	75	47	55	33	35	Wind : SW @ 0.9m/s Temp : 23 °C Stab Class : A	Birds 31-46 Wind in Vegetation 33-44 Agricultural 36-57 Traffic 45-75	<30	
Day Measurement 4										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
12/11/2025	13:03	59	45	42	33	35	Wind : SW @ 0.9m/s Temp : 23 °C Stab Class : A	Birds 31-59 Wind in Vegetation 32-45 Traffic 34-45 Insects 28-33	<30	
Day Measurement 5										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
12/11/2025	13:18	52	44	41	31	35	Wind : SW @ 0.9m/s Temp : 23 °C Stab Class : B	Birds 28-52 Insects 28-32 Agricultural 34-46 Wind in Vegetation 30-43	<30	
Day Measurement 6										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
12/11/2025	13:33	69	46	44	32	35	Wind : SW @ 0.9m/s Temp : 23 °C Stab Class : A	Birds 29-69 Wind in Vegetation 29-32 Traffic 32-35 Aircraft 34-54	<30	
Evening Measurement 1										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
11/11/2025	20:38	82	40	56	30	35	Wind : SW @ 0.3m/s Temp : 16 °C Stab Class : D	Traffic 28-82 Wildlife 32-41 Insects 27-33	<30	
Evening Measurement 2										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
11/11/2025	20:57	46	36	33	28	35	Wind : SW @ 0.3m/s Temp : 15 °C Stab Class : D	Traffic 25-46 Wildlife 28-42 Insects 27-32 Wind in Vegetation <25	<30	
Night Measurement 1										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub> /LAm <sub>ax</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	Site Contribution (LAm <sub>ax</sub> )
11/11/2025	23:10	44	36	32	23	35 / 45	Wind : W @ 0.1m/s Temp : 12 °C Stab Class : E	Traffic 22-44 Insects 20-26 Wildlife 22-30 Aircraft 28-38	<30	<30
Night Measurement 2										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub> /LAm <sub>ax</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	Site Contribution (LAm <sub>ax</sub> )
11/11/2025	23:25	46	38	34	22	35 / 45	Wind : W @ 0.1m/s Temp : 12 °C Stab Class : D	Traffic 22-46 Insects 18-26 Aircraft 23-38	<30	<30
Night Measurement 3										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub> /LAm <sub>ax</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	Site Contribution (LAm <sub>ax</sub> )
11/11/2025	23:40	47	36	31	21	35 / 45	Wind : W @ 0.1m/s Temp : 12 °C Stab Class : D	Traffic 22-47 Insects 18-24 Aircraft 20-38	<30	<30
Night Measurement 4										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub> /LAm <sub>ax</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	Site Contribution (LAm <sub>ax</sub> )
11/11/2025	23:55	44	35	31	19	35 / 45	Wind : W @ 0.1m/s Temp : 12 °C Stab Class : E	Traffic 19-44 Insects 16-24 Wildlife 24-30	<30	<30

Tomingley Gold Operations - R4										
Day Measurement 1										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
13/11/2025	13:49	58	42	40	34	35	Wind : NW @ 0.5m/s Temp : 25 °C Stab Class : C	Wind in Vegetation 30-58 Traffic 32-34 Birds 31-46 Insects 32-36	<30	
Day Measurement 2										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
13/11/2025	14:04	60	40	39	32	35	Wind : NW @ 0.5m/s Temp : 25 °C Stab Class : A	Wind in Vegetation 29-45 Traffic 30-37 Birds 30-60 Insects 29-38	<30	
Day Measurement 3										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
13/11/2025	14:19	56	43	39	30	35	Wind : NW @ 0.3m/s Temp : 25 °C Stab Class : A	Wind in Vegetation 30-43 Birds 29-56 Insects 28-35 Traffic 30-36	<30	
Day Measurement 4										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
13/11/2025	14:34	62	42	40	32	35	Wind : NW @ 0.3m/s Temp : 25 °C Stab Class : A	Wind in Vegetation 29-47 Birds 32-62 Insects 29-34 Traffic 31-37	<30	
Day Measurement 5										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
13/11/2025	14:49	67	44	42	33	35	Wind : W @ 0.8m/s Temp : 25 °C Stab Class : C	Wind in Vegetation 30-50 Birds 31-67 Insects 30-33 Traffic 31-34	<30	
Day Measurement 6										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
13/11/2025	15:04	55	41	39	32	35	Wind : W @ 0.7m/s Temp : 25 °C Stab Class : A	Wind in Vegetation 30-42 Birds 29-55 Insects <28 Traffic 28-40	<30	
Evening Measurement 1										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
12/11/2025	20:40	41	30	27	18	35	Wind : SW @ 0.2m/s Temp : 16 °C Stab Class : E	Traffic 20-34 Insects 16-24 Wildlife 22-41	<30	
Evening Measurement 2										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
12/11/2025	20:55	40	28	26	17	35	Wind : SW @ 0.2m/s Temp : 16 °C Stab Class : F	Traffic 18-35 Insects 15-23 Wildlife 20-40	<30	
Night Measurement 1										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq/LAmax	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmax)
12/11/2025	23:10	47	30	26	18	35 / 45	Wind : SW @ 0.1m/s Temp : 11 °C Stab Class : F	Insects 14-20 Traffic 19-37 Wildlife 22-47	<30	<30
Night Measurement 2										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq/LAmax	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmax)
12/11/2025	23:25	38	31	26	16	35 / 45	Wind : SW @ 0.1m/s Temp : 11 °C Stab Class : E	Insects 14-23 Traffic 16-26 Wildlife 24-38	<30	<30
Night Measurement 3										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq/LAmax	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmax)
12/11/2025	23:40	35	29	24	16	35 / 45	Wind : SW @ 0.1m/s Temp : 10 °C Stab Class : E	Insects 14-22 Traffic 16-34 Wildlife 21-35	<30	<30
Night Measurement 4										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq/LAmax	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmax)
12/11/2025	23:55	37	27	23	15	35 / 45	Wind : SW @ 0.1m/s Temp : 10 °C Stab Class : E	Insects 14-21 Traffic 18-32 Wildlife 17-37	<30	<30

Note: All noise levels are dBA

Tomingley Gold Operations - R5										
Day Measurement 1										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
11/11/2025	09:43	77	69	64	42	35	Wind : NW @ 0.3m/s Temp : 23 °C Stab Class : C	Traffic 34-77 Birds 36-48 Offsite Industrial 37-41 Wind in Vegetation <35	<30	
Day Measurement 2										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
11/11/2025	09:58	78	65	62	44	35	Wind : NW @ 0.6m/s Temp : 23 °C Stab Class : B	Traffic 39-78 Birds 40-53 Offsite Industrial 39-43 Wind in Vegetation 40-45	<30	
Day Measurement 3										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
11/11/2025	10:13	79	69	64	44	35	Wind : NW @ 0.6m/s Temp : 24 °C Stab Class : B	Traffic 38-79 Birds 41-58 Offsite Industrial 38-55 Wind in Vegetation 40-56	<30	
Day Measurement 4										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
11/11/2025	10:28	78	67	63	48	35	Wind : NW @ 0.6m/s Temp : 24 °C Stab Class : B	Traffic 43-78 Birds 44-56 Offsite Industrial 43-59 Wind in Vegetation 44-52	<30	
Day Measurement 5										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
11/11/2025	10:43	78	67	63	45	35	Wind : NW @ 0.7m/s Temp : 25 °C Stab Class : A	Traffic 41-78 Birds 43-54 Offsite Industrial 42-53 Wind in Vegetation 41-58	<30	
Day Measurement 6										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
11/11/2025	10:58	82	69	65	51	35	Wind : NW @ 1.5m/s Temp : 25 °C Stab Class : D	Traffic 42-82 Birds 43-53 Offsite Industrial 43-55 Wind in Vegetation 42-58	<30	
Evening Measurement 1										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
10/11/2025	20:05	83	62	60	39	35	Wind : SW @ 0.1m/s Temp : 20 °C Stab Class : E	Traffic 39-83 Insects <37 Offsite Industrial 37-39	<30	
Evening Measurement 2										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
10/11/2025	20:20	79	66	64	41	35	Wind : SW @ 0.1m/s Temp : 20 °C Stab Class : E	Traffic 39-79 Insects 38-41 Offsite Industrial 38-45	<30	
Night Measurement 1										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub> /LAm <sub>ax</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	Site Contribution (LAm <sub>ax</sub> )
11/11/2025	00:17	80	55	58	32	35 / 45	Wind : SW @ 0.1m/s Temp : 15 °C Stab Class : E	Traffic 33-80 Offsite Industrial 30-54 Insects <30	<30	<30
Night Measurement 2										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub> /LAm <sub>ax</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	Site Contribution (LAm <sub>ax</sub> )
11/11/2025	00:32	80	59	59	42	35 / 45	Wind : SW @ 0.1m/s Temp : 15 °C Stab Class : E	Traffic 39-80 Offsite Industrial 39-81 Insects <33	<30	<30
Night Measurement 3										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub> /LAm <sub>ax</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	Site Contribution (LAm <sub>ax</sub> )
11/11/2025	00:47	82	59	61	44	35 / 45	Wind : SW @ 0.1m/s Temp : 15 °C Stab Class : F	Traffic 42-82 Offsite Industrial 42-48 Insects <35	<30	<30
Night Measurement 4										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub> /LAm <sub>ax</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	Site Contribution (LAm <sub>ax</sub> )
11/11/2025	01:02	80	60	62	42	35 / 45	Wind : SW @ 0.1m/s Temp : 15 °C Stab Class : F	Traffic 40-80 Offsite Industrial 41-48 Insects <36	<30	<30

Tomingley Gold Operations - R5										
Day Measurement 1										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
12/11/2025	13:56	76	65	61	46	35	Wind : SW @ 1m/s Temp : 24 °C Stab Class : B	Traffic 43-76 Offsite Industrial 44-52 Birds 42-49 Wind in Vegetation 43-48	<30	
Day Measurement 2										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
12/11/2025	14:11	78	66	62	47	35	Wind : SW @ 1m/s Temp : 25 °C Stab Class : A	Traffic 42-78 Offsite Industrial 42-61 Wind in Vegetation 45-53 Birds 42-51	<30	
Day Measurement 3										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
12/11/2025	14:26	77	64	61	48	35	Wind : SW @ 0.9m/s Temp : 25 °C Stab Class : B	Traffic 44-77 Birds 45-51 Wind in Vegetation 45-54 Offsite Industrial 44-60	<30	
Day Measurement 4										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
12/11/2025	14:41	79	64	60	44	35	Wind : SW @ 0.8m/s Temp : 25 °C Stab Class : A	Traffic 41-79 Offsite Industrial 43-50 Birds 42-47 Wind in Vegetation 41-60	<30	
Day Measurement 5										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
12/11/2025	14:56	78	63	60	44	35	Wind : SW @ 0.8m/s Temp : 25 °C Stab Class : B	Aircraft 45-53 Traffic 40-78 Offsite Industrial 40-53 Birds 41-49	<30	
Day Measurement 6										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
12/11/2025	15:11	77	66	62	46	35	Wind : SW @ 0.6m/s Temp : 25 °C Stab Class : A	Traffic 42-77 Offsite Industrial 43-67 Birds 44-50 Wind in Vegetation 42-48	<30	
Evening Measurement 1										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
11/11/2025	20:02	77	62	60	39	35	Wind : SW @ 1m/s Temp : 17 °C Stab Class : D	Wind in Vegetation 37-44 Traffic 36-77 Insects <35 Offsite Industrial 35-40	<30	
Evening Measurement 2										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
11/11/2025	20:17	80	62	60	36	35	Wind : SW @ 1m/s Temp : 17 °C Stab Class : D	Wind in Vegetation <35 Traffic 36-80 Insects 35-37 Offsite Industrial 34-38	<30	
Night Measurement 1										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub> /LAm <sub>ax</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	Site Contribution (LAm <sub>ax</sub> )
12/11/2025	00:21	76	50	56	38	35 / 45	Wind : SW @ 0.1m/s Temp : 11 °C Stab Class : D	Traffic 40-76 Offsite Industrial 38-42 Insects <35	<30	<30
Night Measurement 2										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub> /LAm <sub>ax</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	Site Contribution (LAm <sub>ax</sub> )
12/11/2025	00:36	80	55	60	42	35 / 45	Wind : SW @ 0.1m/s Temp : 11 °C Stab Class : F	Traffic 41-80 Offsite Industrial 41-47 Insects <35	<30	<30
Night Measurement 3										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub> /LAm <sub>ax</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	Site Contribution (LAm <sub>ax</sub> )
12/11/2025	00:51	80	58	61	41	35 / 45	Wind : SW @ 0.1m/s Temp : 11 °C Stab Class : F	Traffic 40-80 Offsite Industrial 39-45 Insects <35	<30	<30
Night Measurement 4										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub> /LAm <sub>ax</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	Site Contribution (LAm <sub>ax</sub> )
12/11/2025	01:06	75	44	51	39	35 / 45	Wind : SW @ 0.1m/s Temp : 10 °C Stab Class : D	Traffic 39-75 Offsite Industrial 38-47 Insects <35	<30	<30

Tomingley Gold Operations - R5										
Day Measurement 1										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
13/11/2025	10:34	75	63	59	42	35	Wind : N @ 0.5m/s Temp : 23 °C Stab Class : A	Traffic 41-75 Birds 42-52 Offsite Industrial 40-68 Wind in Vegetation <40	<30	
Day Measurement 2										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
13/11/2025	10:49	76	64	60	42	35	Wind : NW @ 0.5m/s Temp : 23 °C Stab Class : A	Traffic 40-76 Birds 41-50 Offsite Industrial 40-42 Wind in Vegetation <40	<30	
Day Measurement 3										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
13/11/2025	11:04	77	67	62	44	35	Wind : N @ 0.5m/s Temp : 23 °C Stab Class : A	Traffic 42-77 Birds 43-49 Offsite Industrial 41-44 Wind in Vegetation <40	<30	
Day Measurement 4										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
13/11/2025	11:19	75	64	60	42	35	Wind : N @ 0.2m/s Temp : 23 °C Stab Class : B	Traffic 41-75 Birds 43-57 Offsite Industrial 41-49 Wind in Vegetation <40	<30	
Day Measurement 5										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
13/11/2025	11:34	75	64	60	43	35	Wind : N @ 0.2m/s Temp : 23 °C Stab Class : A	Traffic 40-75 Birds 41-72 Offsite Industrial 40-43 Wind in Vegetation 42-46	<30	
Day Measurement 6										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
13/11/2025	11:49	79	65	62	38	35	Wind : NW @ 0.6m/s Temp : 24 °C Stab Class : A	Traffic 32-79 Birds 34-53 Offsite Industrial 40-72 Insects 37-46	<30	
Evening Measurement 1										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
12/11/2025	20:03	77	60	58	38	35	Wind : SW @ 0.3m/s Temp : 17 °C Stab Class : E	Traffic 37-77 Birds 38-43 Offsite Industrial 35-40 Insects <35	<30	
Evening Measurement 2										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
12/11/2025	20:18	78	62	60	39	35	Wind : SW @ 0.3m/s Temp : 17 °C Stab Class : E	Traffic 38-78 Offsite Industrial 38-53 Insects <35	<30	
Night Measurement 1										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq/LAmax	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmax)
13/11/2025	00:17	75	47	51	44	35 / 45	Wind : SW @ 0.1m/s Temp : 11 °C Stab Class : E	Traffic 45-75 Offsite Industrial 43-47	<30	<30
Night Measurement 2										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq/LAmax	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmax)
13/11/2025	00:32	82	48	58	44	35 / 45	Wind : SW @ 0.1m/s Temp : 10 °C Stab Class : E	Traffic 45-82 Offsite Industrial 43-48	<30	<30
Night Measurement 3										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq/LAmax	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmax)
13/11/2025	00:47	81	60	60	44	35 / 45	Wind : SW @ 0.1m/s Temp : 10 °C Stab Class : E	Traffic 45-81 Offsite Industrial 43-48	<30	<30
Night Measurement 4										
Date	Time	L <sub>Amax</sub>	LA10	LAeq	LA90	Criteria LAeq/LAmax	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmax)
13/11/2025	01:02	81	54	58	44	35 / 45	Wind : SW @ 0.1m/s Temp : 10 °C Stab Class : E	Traffic 44-81 Offsite Industrial 43-47	<30	<30

Note: All noise levels are dBA

Tomingley Gold Operations - R6										
Day Measurement 1										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
11/11/2025	16:27	69	59	56	50	35	Wind : SW @ 2.5m/s Temp : 26 °C Stab Class : D	Wind in Vegetation 46-58 Birds 46-69	<30	
Day Measurement 2										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
11/11/2025	16:42	94	62	60	50	35	Wind : SW @ 2.3m/s Temp : 25 °C Stab Class : D	Wind in Vegetation 45-64 Birds 45-65 MAC Operator 94	<30	
Day Measurement 3										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
11/11/2025	16:58	73	63	59	53	35	Wind : SW @ 2.8m/s Temp : 25 °C Stab Class : D	Wind in Vegetation 48-73 Birds 48-66	<30	
Day Measurement 4										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
11/11/2025	17:13	71	62	59	49	35	Wind : SW @ 2.8m/s Temp : 24 °C Stab Class : D	Wind in Vegetation 45-71 Birds 45-67	<30	
Day Measurement 5										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
11/11/2025	17:28	68	60	56	51	35	Wind : SW @ 2.8m/s Temp : 23 °C Stab Class : D	Wind in Vegetation 48-68 Birds 48-65	<30	
Day Measurement 6										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
11/11/2025	17:43	71	55	51	44	35	Wind : SW @ 2.6m/s Temp : 23 °C Stab Class : D	Wind in Vegetation 41-63 Birds 41-59 MAC Operator 71	<30	
Evening Measurement 1										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
10/11/2025	21:22	49	29	26	19	35	Wind : SW @ 0.1m/s Temp : 18 °C Stab Class : D	Insects 17-29 Traffic 21-33 Livestock 20-40 MAC Operator 18-49	<30	
Evening Measurement 2										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
10/11/2025	21:37	44	26	23	18	35	Wind : SW @ 0.1m/s Temp : 18 °C Stab Class : F	Insects 15-20 Traffic 20-33 Livestock 21-38 Birds 23-44	<30	
Night Measurement 1										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub> /LAm <sub>ax</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	Site Contribution (LAm <sub>ax</sub> )
10/11/2025	22:00	42	26	24	20	35 / 45	Wind : SW @ 0.1m/s Temp : 17 °C Stab Class : F	Insects 18-23 Traffic 19-38 Livestock 22-42	<30	<30
Night Measurement 2										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub> /LAm <sub>ax</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	Site Contribution (LAm <sub>ax</sub> )
10/11/2025	22:15	44	32	28	21	35 / 45	Wind : SW @ 0.1m/s Temp : 17 °C Stab Class : E	Insects 19-22 Traffic 20-35 Livestock 21-33 Aircraft 24-44	<30	<30
Night Measurement 3										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub> /LAm <sub>ax</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	Site Contribution (LAm <sub>ax</sub> )
10/11/2025	22:30	42	24	22	18	35 / 45	Wind : SW @ 0.1m/s Temp : 17 °C Stab Class : E	Traffic 20-37 Insects 16-22 Wildlife 23-42	<30	<30
Night Measurement 4										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub> /LAm <sub>ax</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	Site Contribution (LAm <sub>ax</sub> )
10/11/2025	22:45	41	27	26	16	35 / 45	Wind : SW @ 0.1m/s Temp : 17 °C Stab Class : F	Traffic 17-34 Insects 15-20 Wildlife 20-41	<30	<30

Tomingley Gold Operations - R6										
Day Measurement 1										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
12/11/2025	10:36	56	48	45	37	35	Wind : S @ 0.4m/s Temp : 18 °C Stab Class : A	Birds 32-56 Wind in Vegetation 31-53 Traffic <32	<30	
Day Measurement 2										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
12/11/2025	10:51	56	46	43	36	35	Wind : S @ 0.5m/s Temp : 18 °C Stab Class : B	Birds 35-56 Wind in Vegetation 32-52 Traffic 33-37	<30	
Day Measurement 3										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
12/11/2025	11:06	60	51	46	30	35	Wind : S @ 0.5m/s Temp : 19 °C Stab Class : A	Birds 25-60 Wind in Vegetation 30-55 Traffic 27-33	<30	
Day Measurement 4										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
12/11/2025	11:21	63	50	47	35	35	Wind : S @ 0.5m/s Temp : 20 °C Stab Class : C	Birds 28-57 Traffic 27-30 Wind in Vegetation 27-63	<30	
Day Measurement 5										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
12/11/2025	11:36	57	49	46	37	35	Wind : S @ 0.7m/s Temp : 20 °C Stab Class : B	Birds 33-57 Traffic <33 Wind in Vegetation 35-51	<30	
Day Measurement 6										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
12/11/2025	11:51	62	51	47	38	35	Wind : S @ 0.6m/s Temp : 21 °C Stab Class : B	Birds 35-62 Wind in Vegetation 35-50 Traffic <33	<30	
Evening Measurement 1										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
11/11/2025	21:23	47	30	27	23	35	Wind : SW @ 0.1m/s Temp : 15 °C Stab Class : D	Insects 20-28 Traffic 23-34 Livestock 22-47	<30	
Evening Measurement 2										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
11/11/2025	21:38	37	30	27	24	35	Wind : SW @ 0.1m/s Temp : 15 °C Stab Class : D	Insects 22-24 Traffic 23-34 Livestock 25-37	<30	
Night Measurement 1										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub> /LAm <sub>ax</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	Site Contribution (LAm <sub>ax</sub> )
11/11/2025	22:00	38	29	27	23	35 / 45	Wind : SW @ 0.1m/s Temp : 14 °C Stab Class : E	Insects 18-25 Livestock 24-38 Traffic 21-34	<30	<30
Night Measurement 2										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub> /LAm <sub>ax</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	Site Contribution (LAm <sub>ax</sub> )
11/11/2025	22:15	38	31	28	20	35 / 45	Wind : SW @ 0.1m/s Temp : 13 °C Stab Class : E	Insects 18-26 Traffic 23-33 Livestock 22-38	<30	<30
Night Measurement 3										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub> /LAm <sub>ax</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	Site Contribution (LAm <sub>ax</sub> )
11/11/2025	22:30	44	29	26	18	35 / 45	Wind : SW @ 0.1m/s Temp : 13 °C Stab Class : E	Insects 17-24 Traffic 19-35 Livestock 20-44	<30	<30
Night Measurement 4										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub> /LAm <sub>ax</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	Site Contribution (LAm <sub>ax</sub> )
11/11/2025	22:45	46	27	24	17	35 / 45	Wind : SW @ 0.1m/s Temp : 13 °C Stab Class : D	Insects 14-20 Traffic 15-35 Livestock 23-46 Wildlife 30-37	<30	<30

Tomingley Gold Operations - R6										
Day Measurement 1										
Date	Time	LAm <sub>ax</sub>	LA <sub>10</sub>	LA <sub>eq</sub>	LA <sub>90</sub>	Criteria LA <sub>eq</sub>	Mets at ground	Comments	Site Contribution (LA <sub>eq</sub> 15min)	
13/11/2025	12:11	65	49	46	33	35	Wind : N @ 0.5m/s Temp : 25 °C Stab Class : B	Birds 29-65 Wind in Vegetation 30-57 Traffic 31-38	<30	
Day Measurement 2										
13/11/2025	12:26	62	41	40	30	35	Wind : N @ 0.5m/s Temp : 25 °C Stab Class : A	Birds 27-62 Wind in Vegetation 29-38 Traffic 31-37 TGO Mobile Plant 10 mins 28-32	<30	
Day Measurement 3										
13/11/2025	12:41	55	49	45	32	35	Wind : N @ 0.5m/s Temp : 26 °C Stab Class : A	Birds 30-55 Wind in Vegetation 28-52 Agricultural 32-41 TGO Mobile Plant 5 mins 28-31	<30	
Day Measurement 4										
13/11/2025	12:56	55	49	44	31	35	Wind : N @ 0.5m/s Temp : 26 °C Stab Class : B	Birds 26-55 Wind in Vegetation 27-52 Traffic 30-36 Agricultural 26-38	<30	
Day Measurement 5										
13/11/2025	13:11	58	51	46	33	35	Wind : NW @ 0.5m/s Temp : 26 °C Stab Class : B	Birds 30-58 Wind in Vegetation 28-54 Agricultural 31-34 Insects 30-33	<30	
Day Measurement 6										
13/11/2025	13:26	65	48	44	31	35	Wind : NW @ 1.5m/s Temp : 26 °C Stab Class : A	Birds 26-65 Wind in Vegetation 25-49 Traffic 30-36 Agricultural 30-36	<30	
Evening Measurement 1										
12/11/2025	21:20	51	26	25	20	35	Wind : SW @ 0.1m/s Temp : 15 °C Stab Class : E	Insects 16-24 Traffic 18-32 MAC Operator 43-51 Livestock 20-35	<30	
Evening Measurement 2										
12/11/2025	21:35	45	27	24	18	35	Wind : SW @ 0.1m/s Temp : 14 °C Stab Class : E	Insects 15-21 Traffic 16-33 MAC Operator 37-45 Livestock 24-36	<30	
Night Measurement 1										
12/11/2025	22:00	47	29	26	22	35 / 45	Wind : SW @ 0.1m/s Temp : 14 °C Stab Class : D	Traffic 18-34 Livestock 20-47 Insects 18-21 TGO Processing 20-28	<30	<30
Night Measurement 2										
12/11/2025	22:15	47	28	25	21	35 / 45	Wind : SW @ 0.1m/s Temp : 14 °C Stab Class : D	Traffic 25-30 Livestock 22-47 Insects 17-20 TGO Processing 19-29	<30	<30
Night Measurement 3										
12/11/2025	22:30	39	32	29	23	35 / 45	Wind : SW @ 0.1m/s Temp : 13 °C Stab Class : D	Traffic 20-37 Livestock 23-39 Insects 17-21 TGO Processing 20-32	<30	32
Night Measurement 4										
12/11/2025	22:45	43	30	27	18	35 / 45	Wind : SW @ 0.1m/s Temp : 13 °C Stab Class : E	Traffic 20-32 Livestock 21-43 Insects 16-20 TGO Processing 18-33	<30	32

Note: All noise levels are dBA

Tomingley Gold Operations - R23										
Day Measurement 1										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
11/11/2025	13:31	72	61	58	51	43	Wind : S @ 3m/s Temp : 25 °C Stab Class : D	Wind in Vegetation 54-72 Birds 47 Traffic 30-64	<35	
Day Measurement 2										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
11/11/2025	13:46	77	64	61	52	43	Wind : S @ 3m/s Temp : 25 °C Stab Class : D	Wind in Vegetation 49-77 Birds 57-62 Insects 48-55	<35	
Day Measurement 3										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
11/11/2025	14:01	71	64	60	54	43	Wind : S @ 3m/s Temp : 25 °C Stab Class : D	Wind in Vegetation 50-71 Birds 52 Traffic 40-55	<35	
Day Measurement 4										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
11/11/2025	14:16	73	62	59	54	43	Wind : S @ 3m/s Temp : 25 °C Stab Class : D	Wind in Vegetation 45-73 Traffic 41-57	<35	
Day Measurement 5										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
11/11/2025	14:31	72	64	60	51	43	Wind : S @ 3m/s Temp : 25 °C Stab Class : D	Wind in Vegetation 45-72 Traffic 46-61 Birds 40-54 TGO Processing <1 min, 42-44	31	
Day Measurement 6										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
11/11/2025	14:46	69	63	60	54	43	Wind : S @ 3m/s Temp : 27 °C Stab Class : D	Wind in Vegetation 51-69 Traffic 42-51 Birds 50-62	<35	
Evening Measurement 1										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
10/11/2025	20:51	63	53	49	39	38	Wind : N @ 0.1m/s Temp : 18 °C Stab Class : E	Traffic 30-63 Insects 34-40 Site Alarms < 20 secs, 39 TGO Processing <2 min, 30-36	<30	
Evening Measurement 2										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
10/11/2025	21:06	63	53	49	40	38	Wind : N @ 0.1m/s Temp : 18 °C Stab Class : D	Insects 36-42 Traffic 30-63 TGO Processing 4 mins, 29-45 TGO Alarms <1 min, 38-40	31	
Night Measurement 1										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq/L<sub>Amax</sub></sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	Site Contribution (L <sub>Amax</sub> )
10/11/2025	23:22	61	53	49	39	36 / 45	Wind : N @ 0.1m/s Temp : 14 °C Stab Class : E	Traffic 38-61 Insects 32-35 TGO Processing <2 min, 36-40 TGO Alarms <1 min, 36-46	33	40
Night Measurement 2										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq/L<sub>Amax</sub></sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	Site Contribution (L <sub>Amax</sub> )
10/11/2025	23:37	63	55	51	38	36 / 45	Wind : N @ 0.5m/s Temp : 14 °C Stab Class : D	Traffic 35-63 Service Station 32-36 TGO Vehicles <1 min, 33-36 TGO Processing <1 min, 38-40	<30	40
Night Measurement 3										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq/L<sub>Amax</sub></sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	Site Contribution (L <sub>Amax</sub> )
10/11/2025	23:52	62	52	49	38	36 / 45	Wind : N @ 0.5m/s Temp : 14 °C Stab Class : D	Traffic 25-62 Service Station 35-57 Residential 30-44 Site Alarms < 20 secs, 38	<30	38
Night Measurement 4										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq/L<sub>Amax</sub></sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	Site Contribution (L <sub>Amax</sub> )
11/11/2025	00:07	61	51	47	36	36 / 45	Wind : N @ 0.5m/s Temp : 14 °C Stab Class : F	Traffic 25-61 Insects 33-37 TGO Processing 4 mins, 30-37	29	37

Tomingley Gold Operations - R23										
Day Measurement 1										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
12/11/2025	14:43	59	51	48	39	43	Wind : N @ 1m/s Temp : 23 °C Stab Class : A	Traffic 40-59 Birds 38-51 Wind in Vegetation 20-53 TGO Processing < 20 secs, 35	<35	
Day Measurement 2										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
12/11/2025	14:58	61	49	47	40	43	Wind : N @ 1.5m/s Temp : 23 °C Stab Class : B	Birds 32-41 Traffic 30-57 Wind in Vegetation 20-61 TGO Processing <1 min, 28-36	<35	
Day Measurement 3										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
12/11/2025	15:13	59	51	48	41	43	Wind : N @ 1.5m/s Temp : 23 °C Stab Class : A	Wind in Vegetation 36-56 Birds 39-59 Traffic 32-56 TGO Processing 4 mins, 30-40	<35	
Day Measurement 4										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
12/11/2025	15:28	73	47	45	39	43	Wind : N @ 1.5m/s Temp : 23 °C Stab Class : B	Insects 32-39 Birds 31-46 Traffic 30-73 TGO Processing < 20 secs, 33-40	<35	
Day Measurement 5										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
12/11/2025	15:43	61	51	48	43	43	Wind : N @ 2m/s Temp : 23 °C Stab Class : A	Wind in Vegetation 20-55 Traffic 40-61 Birds 36-44 TGO Processing < 20 secs, 33-40	<35	
Day Measurement 6										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
12/11/2025	15:58	64	52	48	40	43	Wind : N @ 2m/s Temp : 23 °C Stab Class : A	Wind in Vegetation 20-55 Traffic 40-53 Birds 32-64 TGO Processing <1 min, 36-38	<35	
Evening Measurement 1										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
11/11/2025	20:52	64	53	49	38	38	Wind : S @ 0.2m/s Temp : 14 °C Stab Class : D	Traffic 35-64 Insects 32-35 Service Station 35-52	<30	
Evening Measurement 2										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
11/11/2025	21:07	58	50	46	37	38	Wind : S @ 0.1m/s Temp : 14 °C Stab Class : D	Traffic 38-58 Insects 34-40 TGO Processing 4 mins, 26-41 TGO Vehicles <1 min, 35-39	31	
Night Measurement 1										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq/L<sub>Amax</sub></sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	Site Contribution (L <sub>Amax</sub> )
12/11/2025	00:48	62	44	43	36	36 / 45	Wind : N @ 0.1m/s Temp : 9 °C Stab Class : F	Traffic 30-62 Site Alarms <1 min, 36-39 TGO Vehicles <1 min, 32-42 TGO Processing <2 min, 34-37	30	42
Night Measurement 2										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq/L<sub>Amax</sub></sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	Site Contribution (L <sub>Amax</sub> )
12/11/2025	01:03	63	48	46	35	36 / 45	Wind : N @ 0.1m/s Temp : 9 °C Stab Class : E	Traffic 30-63 TGO Processing <2 min, 35-40	32	40
Night Measurement 3										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq/L<sub>Amax</sub></sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	Site Contribution (L <sub>Amax</sub> )
12/11/2025	01:18	61	49	45	35	36 / 45	Wind : N @ 0.1m/s Temp : 9 °C Stab Class : D	Traffic 32-61 Service Station 25-47 Site Alarms < 20 secs, 37-39 TGO Impacts 35	<30	39
Night Measurement 4										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq/L<sub>Amax</sub></sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	Site Contribution (L <sub>Amax</sub> )
12/11/2025	01:33	83	51	58	36	36 / 45	Wind : N @ 0.1m/s Temp : 9 °C Stab Class : F	Traffic 40-83 Service Station 36 Site Alarms < 20 secs, 31 TGO Processing 7.5 mins, 30-35	30	35

Tomingley Gold Operations - R23										
Day Measurement 1										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
13/11/2025	14:47	62	55	51	44	43	Wind : S @ 1.5m/s Temp : 28 °C Stab Class : A	Traffic 45-62 Insects 45-51 Residential 48-55 Birds 43-63	<35	
Day Measurement 2										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
13/11/2025	15:02	64	56	52	44	43	Wind : S @ 2m/s Temp : 28 °C Stab Class : A	Traffic 40-52 Wind in Vegetation 35-64 Insects 41-48 TGO Processing <1 min, 33-36	<35	
Day Measurement 3										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
13/11/2025	15:17	67	54	51	43	43	Wind : S @ 2m/s Temp : 28 °C Stab Class : C	Insects 41-52 Residential 40-56 Traffic 35-49 Birds 38-67	<35	
Day Measurement 4										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
13/11/2025	15:32	62	53	50	44	43	Wind : S @ 2m/s Temp : 28 °C Stab Class : A	Insects 38-49 Residential 45-57 Traffic 40-62 Birds 36-43	<35	
Day Measurement 5										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
13/11/2025	15:47	67	53	49	42	43	Wind : S @ 0.5m/s Temp : 29 °C Stab Class : C	Insects 39-61 Residential 35-52 Traffic 32-51 MAC Operator 67	<35	
Day Measurement 6										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
13/11/2025	16:02	60	49	47	40	43	Wind : SE @ 1.5m/s Temp : 29 °C Stab Class : D	Wind in Vegetation 33-46 Traffic 30-60 Site Alarms < 20 secs, 32 TGO Processing <2 min, 30-35	<35	
Evening Measurement 1										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
12/11/2025	20:53	63	51	48	35	38	Wind : N @ 0.1m/s Temp : 17 °C Stab Class : F	Traffic 31-63 Service Station 25-47 Insects 30-38 Site Alarms < 20 secs, 34	<30	
Evening Measurement 2										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	
12/11/2025	21:08	62	50	48	39	38	Wind : N @ 0.1m/s Temp : 17 °C Stab Class : E	Traffic 34-62 Insects 32-42	<30	
Night Measurement 1										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq/LAmax</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	Site Contribution (L <sub>Amax</sub> )
12/11/2025	23:22	66	53	51	44	36 / 45	Wind : N @ 0.1m/s Temp : 12 °C Stab Class : E	Traffic 44-66 Insects 37-41 TGO Processing 4 mins, 36-44	34	44
Night Measurement 2										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq/LAmax</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	Site Contribution (L <sub>Amax</sub> )
12/11/2025	23:37	64	51	48	43	36 / 45	Wind : N @ 0.1m/s Temp : 12 °C Stab Class : E	Traffic 40-64 Insects 32-43 TGO Processing 4 mins, 33-40	30	40
Night Measurement 3										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq/LAmax</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	Site Contribution (L <sub>Amax</sub> )
12/11/2025	23:52	65	51	49	42	36 / 45	Wind : N @ 0.1m/s Temp : 12 °C Stab Class : F	Traffic 39-65 TGO Processing 4 mins, 33-39 Site Alarms < 20 secs, 38-40	33	40
Night Measurement 4										
Date	Time	L <sub>Amax</sub>	L <sub>A10</sub>	L <sub>Aeq</sub>	L <sub>A90</sub>	Criteria L <sub>Aeq/LAmax</sub>	Mets at ground	Comments	Site Contribution (L <sub>Aeq15min</sub> )	Site Contribution (L <sub>Amax</sub> )
13/11/2025	00:07	61	47	45	42	36 / 45	Wind : N @ 0.1m/s Temp : 12 °C Stab Class : D	Traffic 35-61 TGO Processing 4 mins, 32-40 Site Alarms < 20 secs, 33-36	30	40

Note: All noise levels are dBA



Muller Acoustic Consulting Pty Ltd  
PO Box 678, Kotara NSW 2289  
ABN: 36 602 225 132  
Ph: +61 2 4920 1833

[mulleracoustic.com](http://mulleracoustic.com)

