

Noise Compliance Assessment

Tomingley Gold Mine
Tomingley, NSW
November, 2022

Prepared for: Tomingley Gold Operations Pty Limited
November 2022
MAC160243RP8



Document Information

Noise Compliance Assessment

Tomingley Gold Mine, November 2022

Prepared for: Tomingley Gold Operations Pty Limited


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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 to address Condition M4.1 their Environment Protection License 20169 ('the EPL') from NSW Environment Protection Authority (EPA) and Condition 6 of Schedule 3 of the Project Approval (PA) number 09_0155 issued by the Department of Planning and Environment (DPE) at six representative receivers.

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;
- Environment Protection Licence EPL 20169 (EPL);
- Project Approval 09_0155 (PA); and
- Australian Standard 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**.

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2 Environmental Protection License and Project Approval 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 noise limits for assessed receivers referenced from the EPL, adopted for this NMA and are consistent with historic EPL monitoring locations.

Table 1 Noise Limits, dBA					
Noise Assessment Group	Receivers	Day	Evening	Night	
		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.
- 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 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

The mine 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 convention for each receiver has 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 surveys were conducted in general accordance with the procedures described in Australian Standard 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 7 November 2022 to Thursday 10 November 2022. 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 ± 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 LAeq(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.

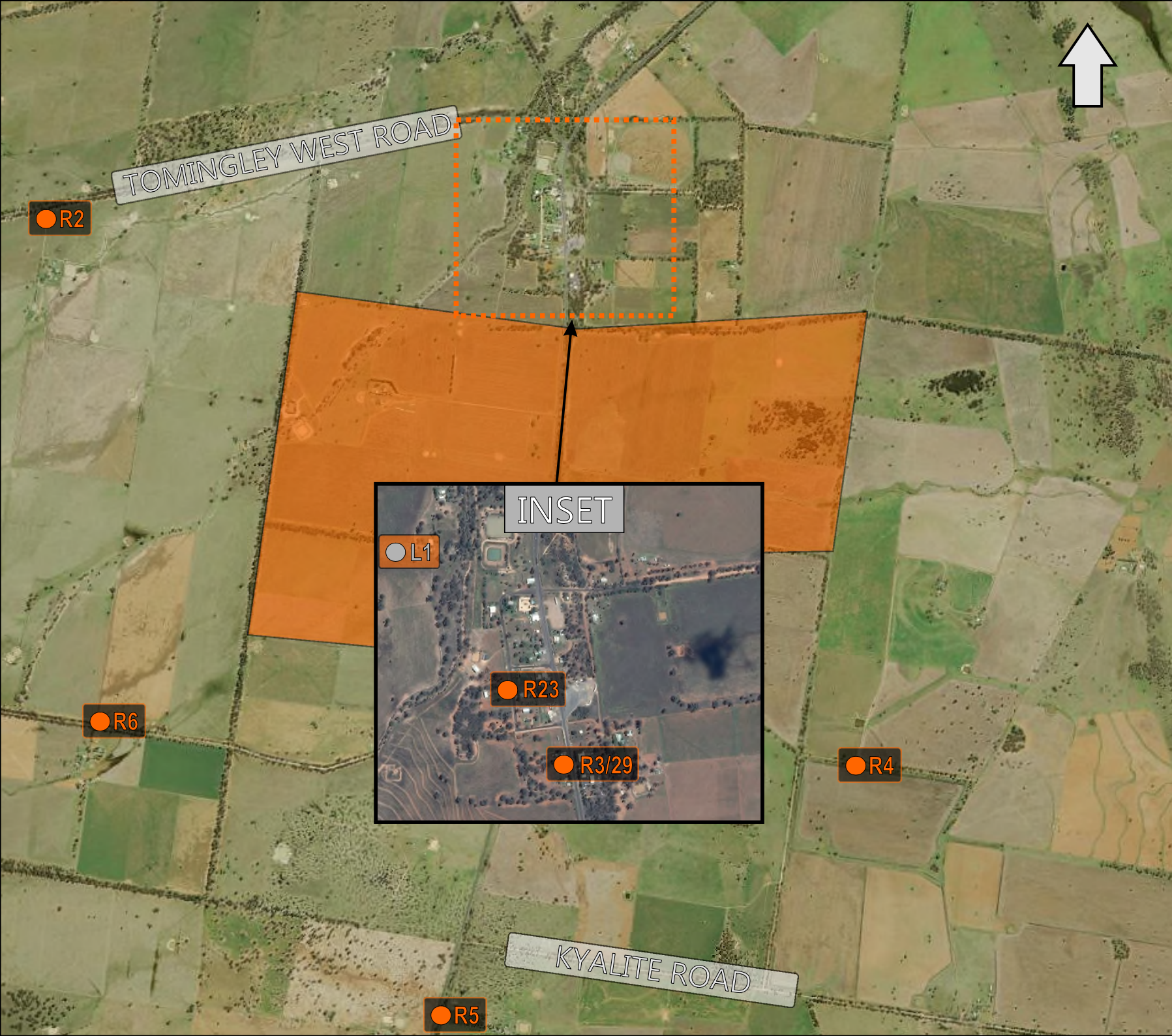





FIGURE 1
LOCALITY PLAN
 REF: MAC160243RP8



KEY	
	UNATTENDED LOGGER LOCATION
	RECEIVER LOCATION
	SITE LOCATION



*Imagery Source - 6MAPS

4 Results

4.1 Operational Noise 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 2** to **Figure 13**.

Figure 2
 Tomingley Gold Operations
 7 November 2022 to 10 November 2022
 LAeq(15min) Site Contribution - R2

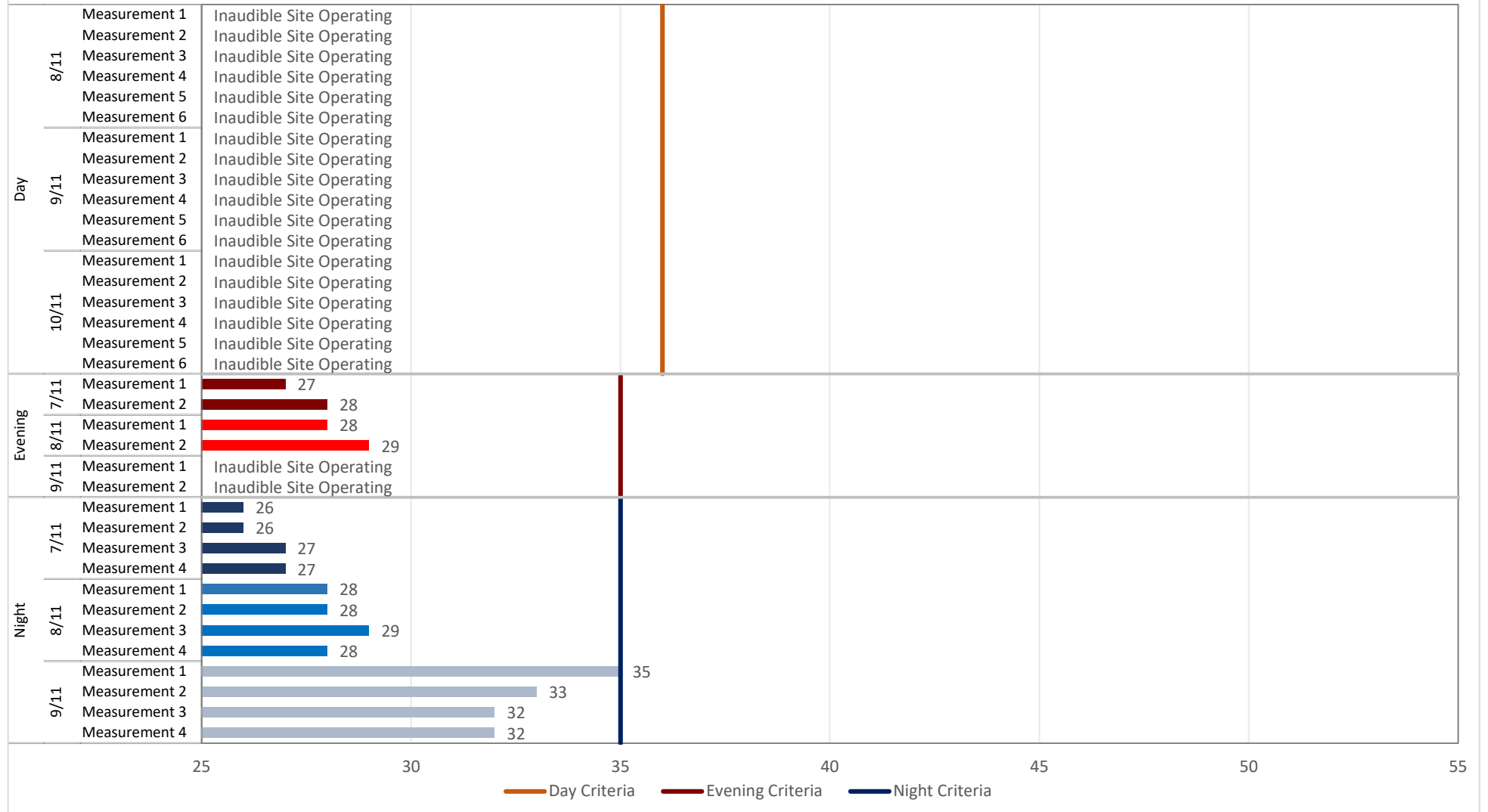


Figure 3
 Tomingley Gold Operations
 7 November 2022 to 10 November 2022
 LAMax(15min) Site Contribution - R2

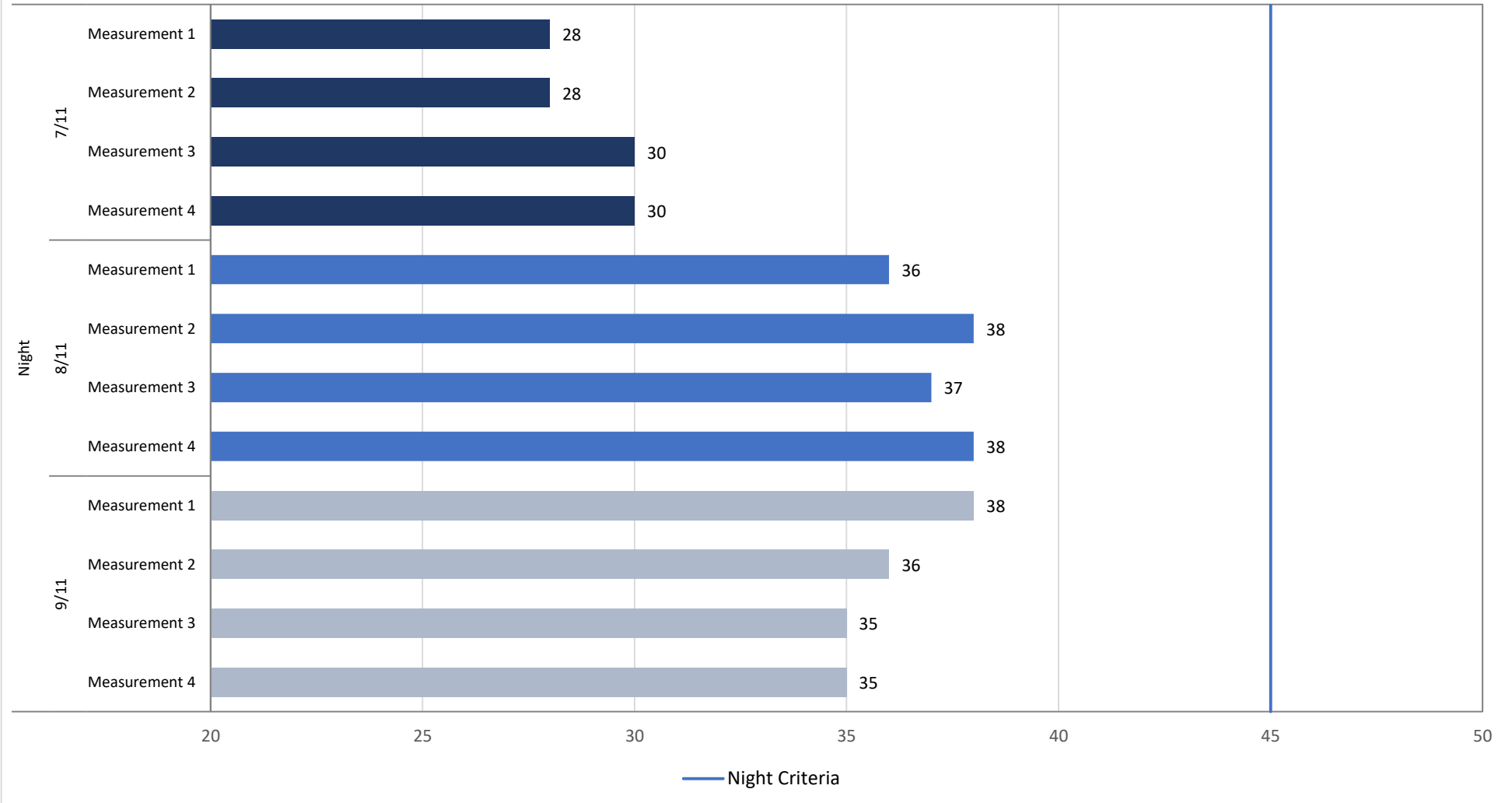


Figure 4
 Tomingley Gold Operations
 7 November 2022 to 10 November 2022
 LAeq(15min) Site Contribution - R3

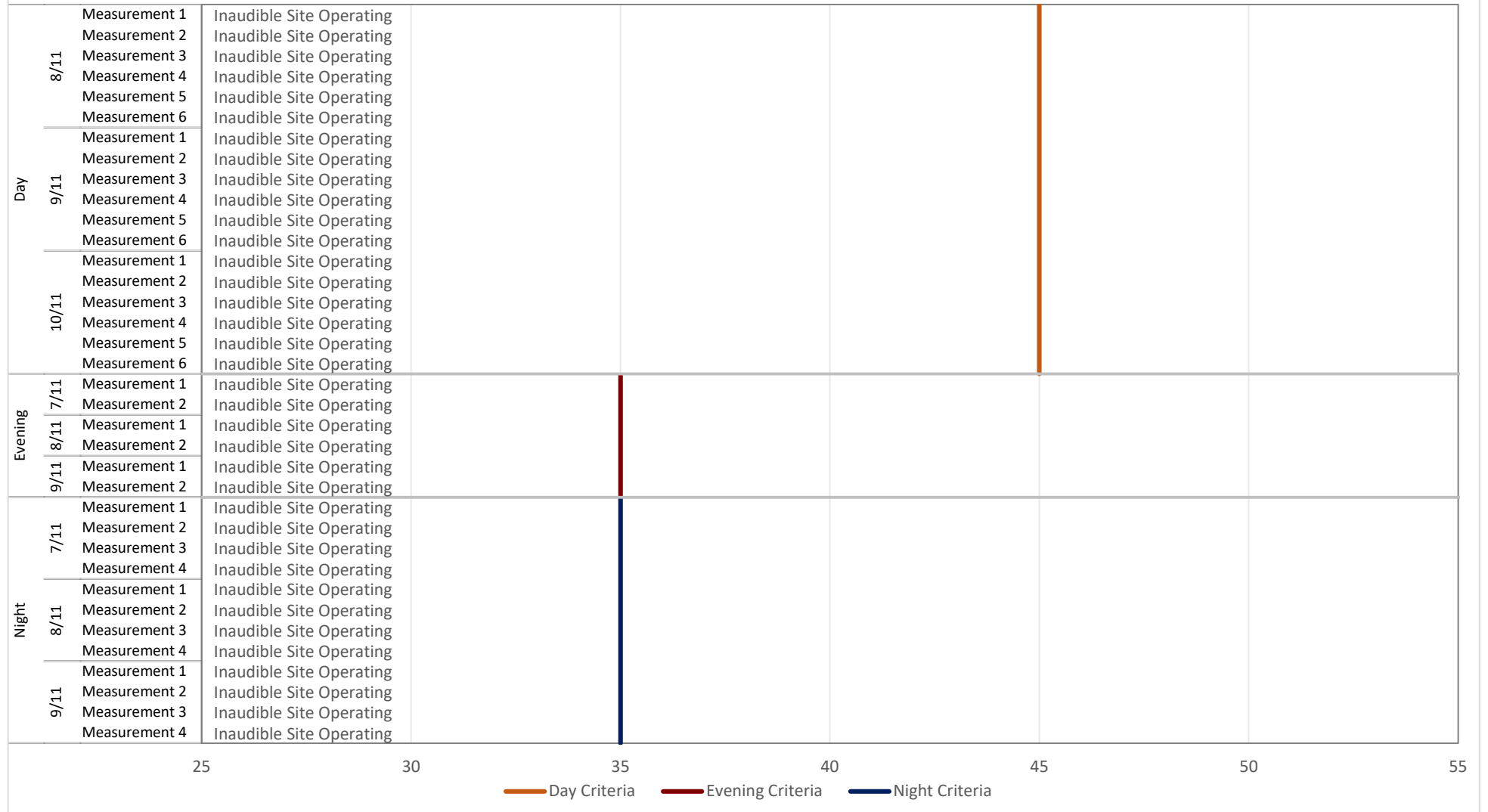


Figure 5
 Tomingley Gold Operations
 7 November 2022 to 10 November 2022
 LAMax(15min) Site Contribution - R3

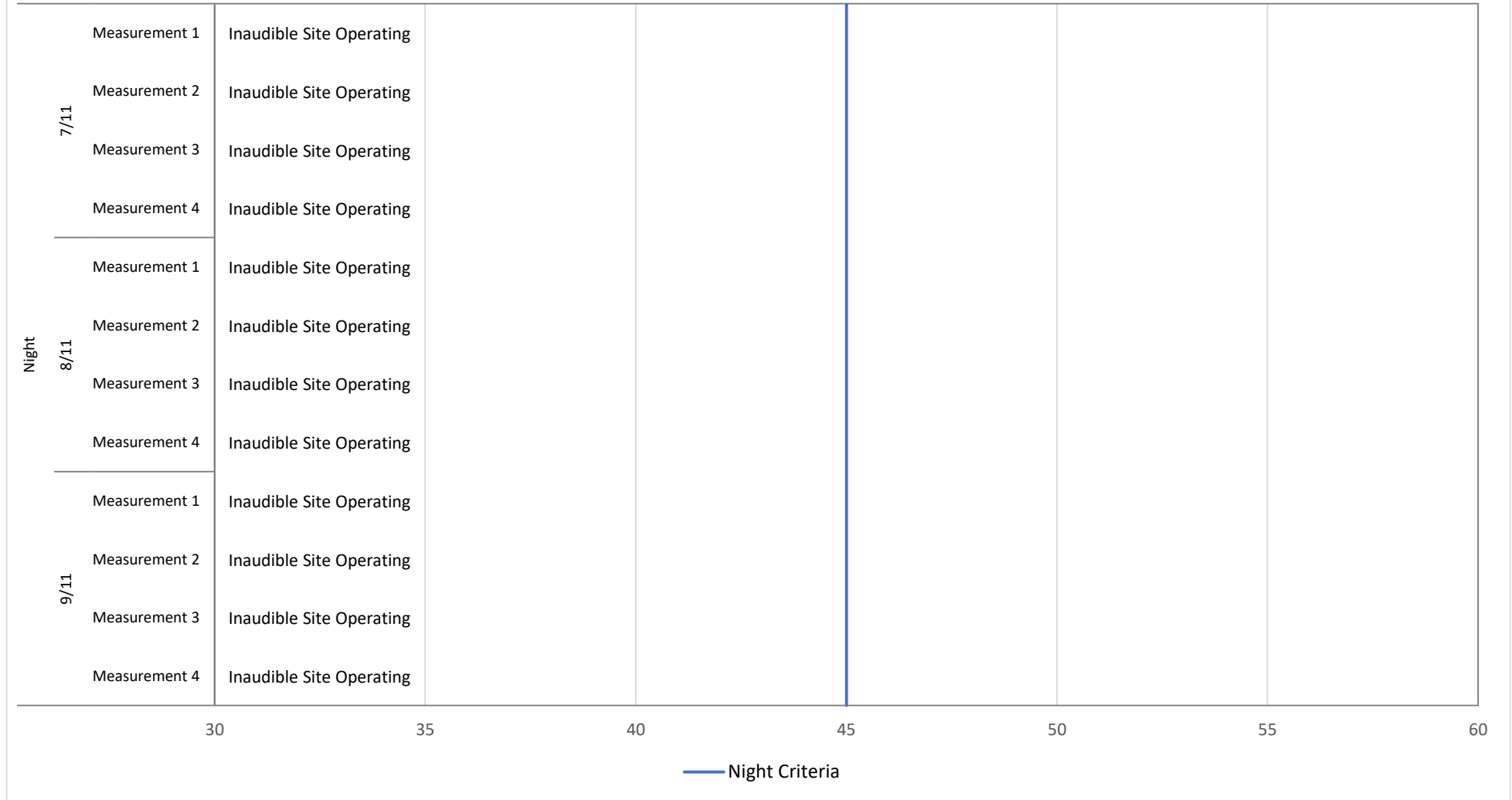


Figure 6
 Tomingley Gold Operations
 7 November 2022 to 10 November 2022
 LAeq(15min) Site Contribution - R4

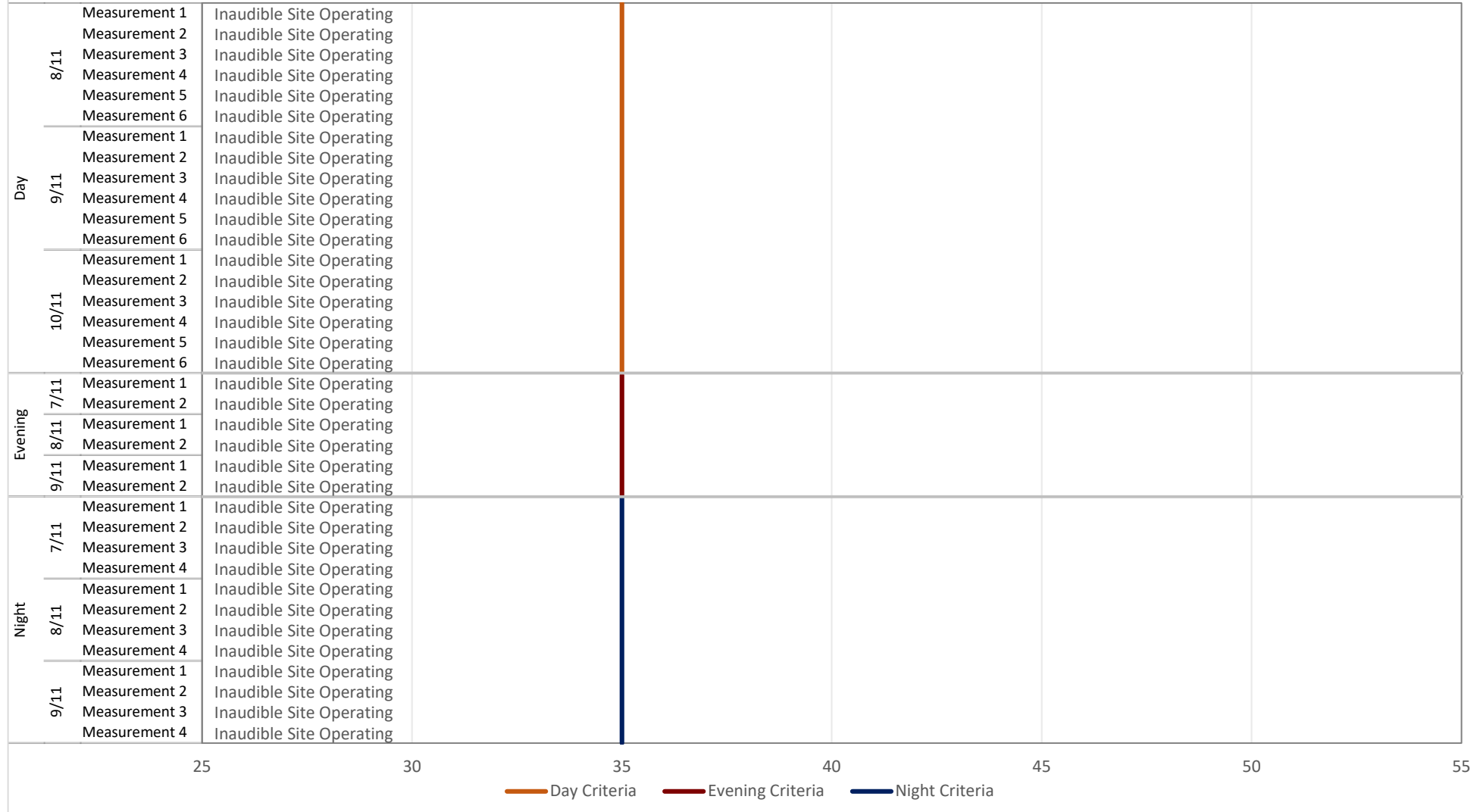


Figure 7
 Tomingley Gold Operations
 7 November 2022 to 10 November 2022
 LAMax(15min) Site Contribution - R4

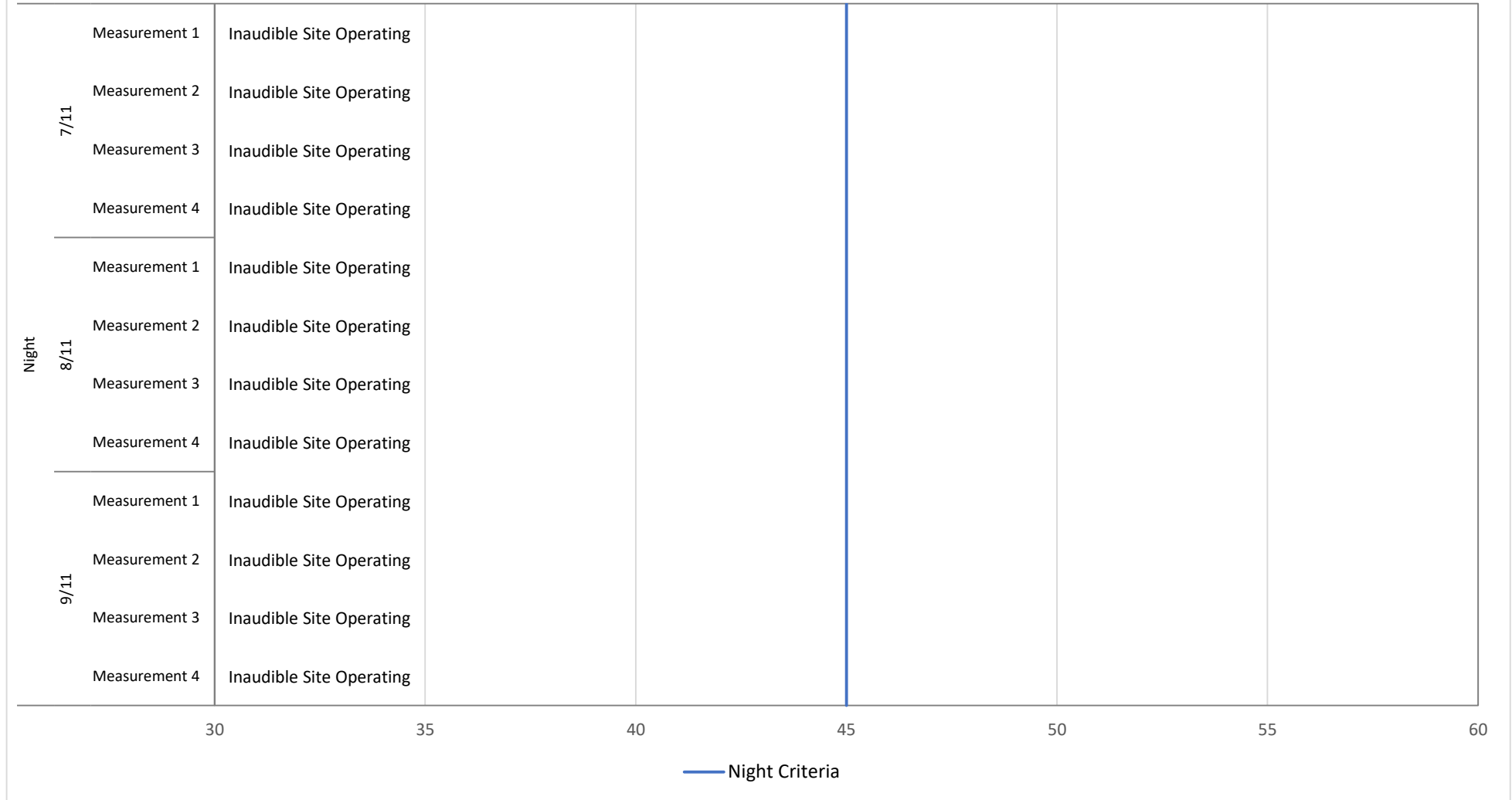


Figure 8
Tomingley Gold Operations
7 November 2022 to 10 November 2022
LAeq(15min) Site Contribution - R5

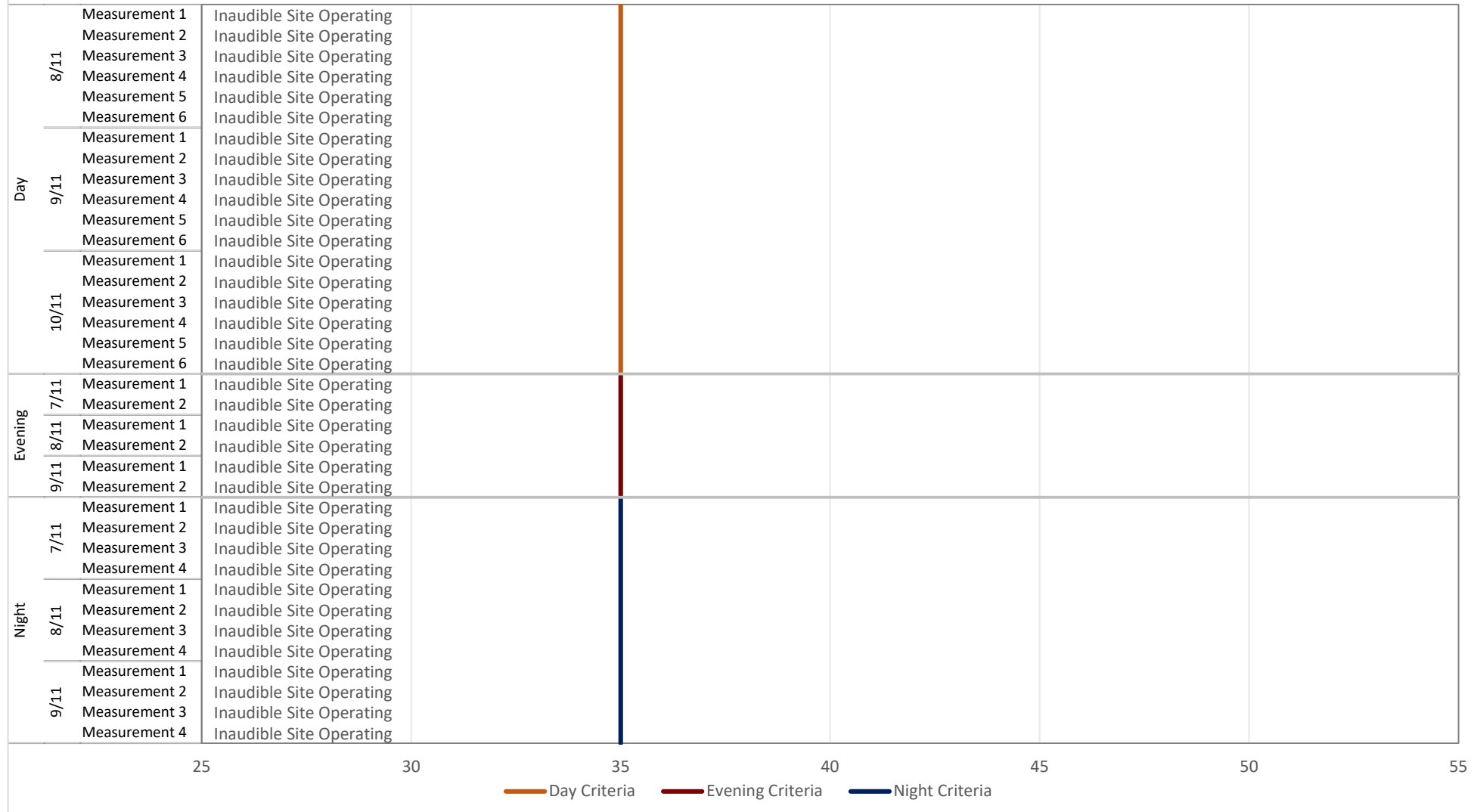


Figure 9
 Tomingley Gold Operations
 7 November 2022 to 10 November 2022
 LAMax(15min) Site Contribution - R5

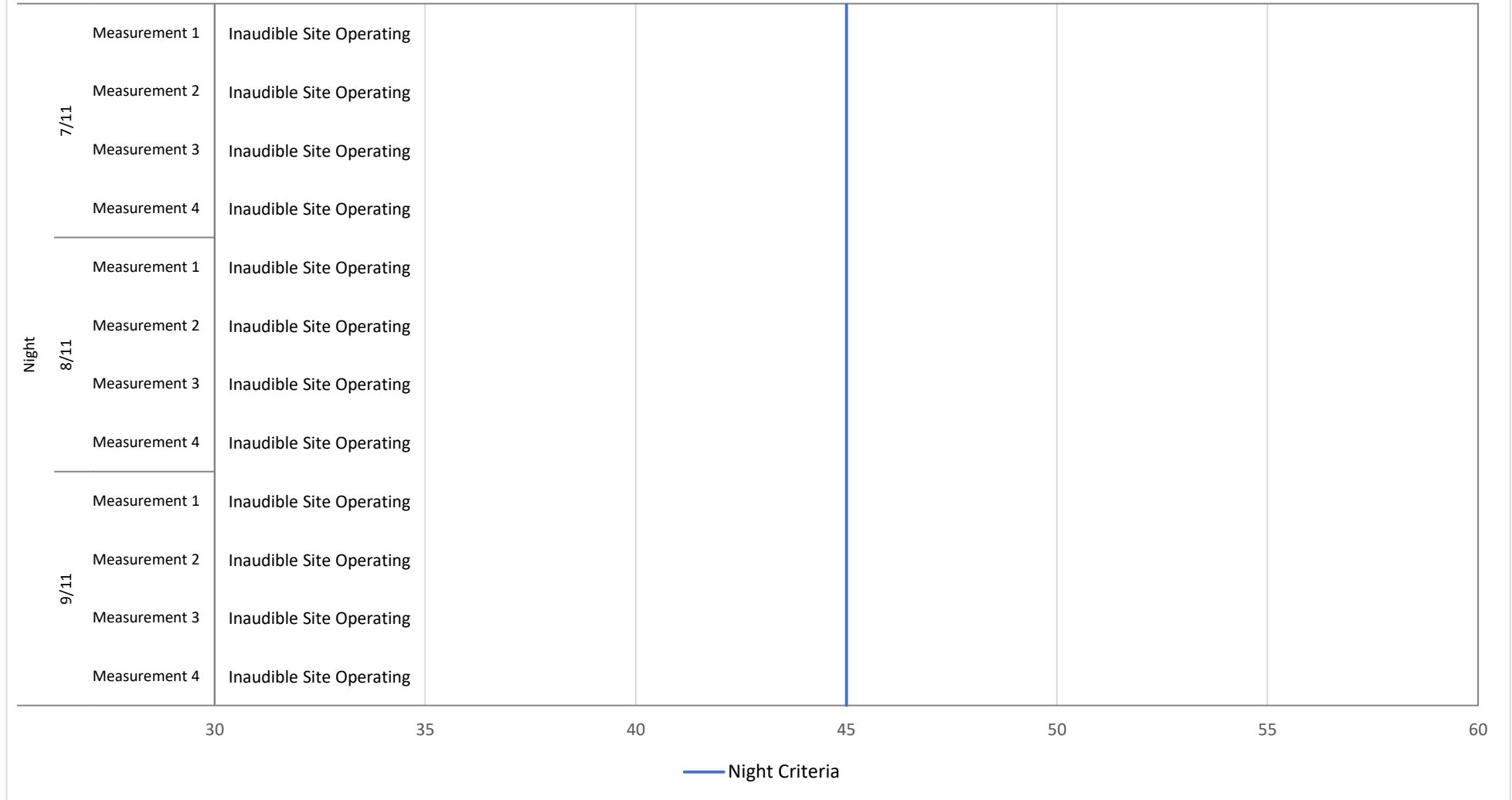


Figure 10
 Tomingley Gold Operations
 7 November 2022 to 10 November 2022
 LAeq(15min) Site Contribution - R6

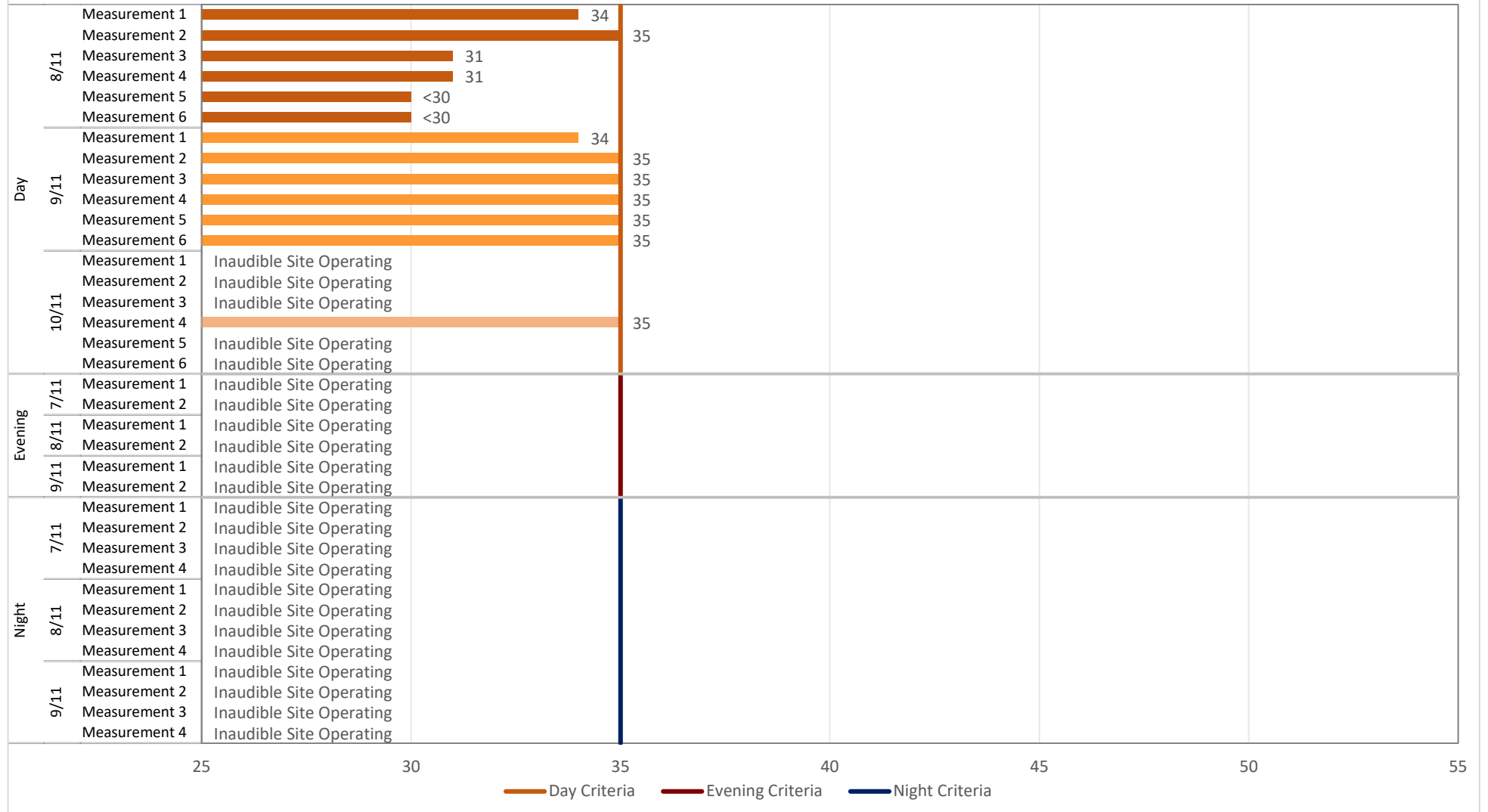


Figure 11
 Tomingley Gold Operations
 7 November 2022 to 10 November 2022
 LAMax(15min) Site Contribution - R6

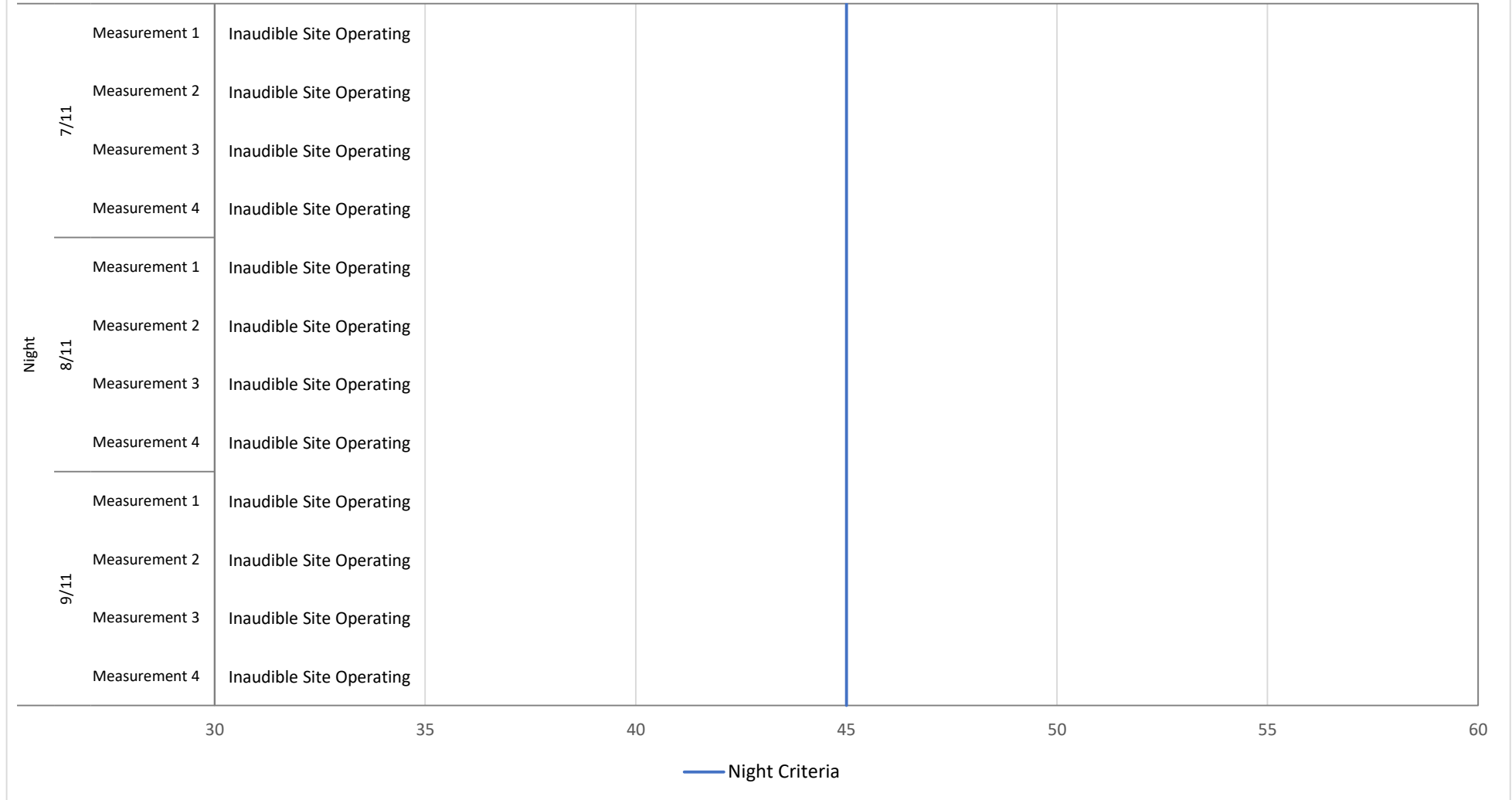


Figure 12
 Tomingley Gold Operations
 7 November 2022 to 10 November 2022
 LAeq(15min) Site Contribution - R23

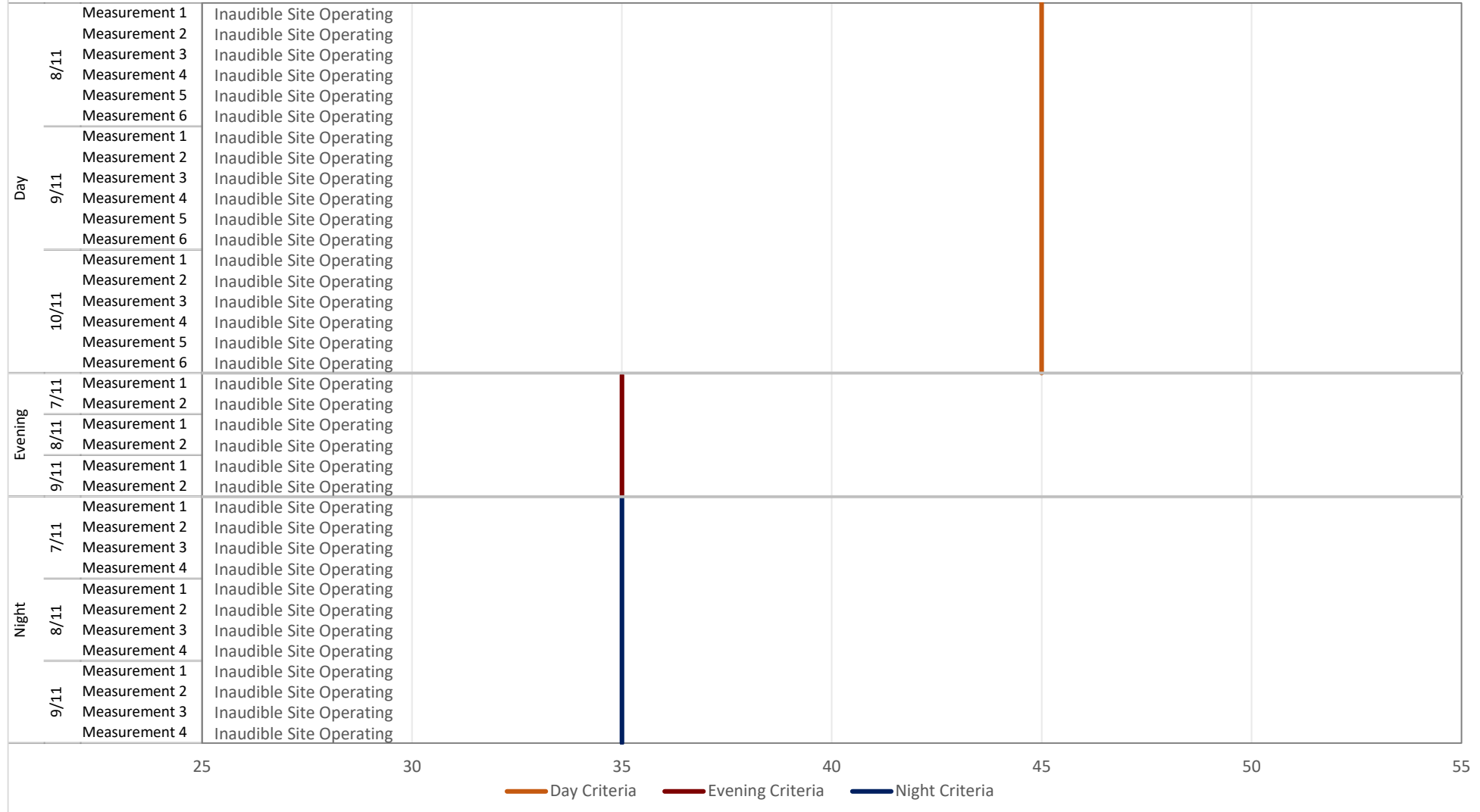
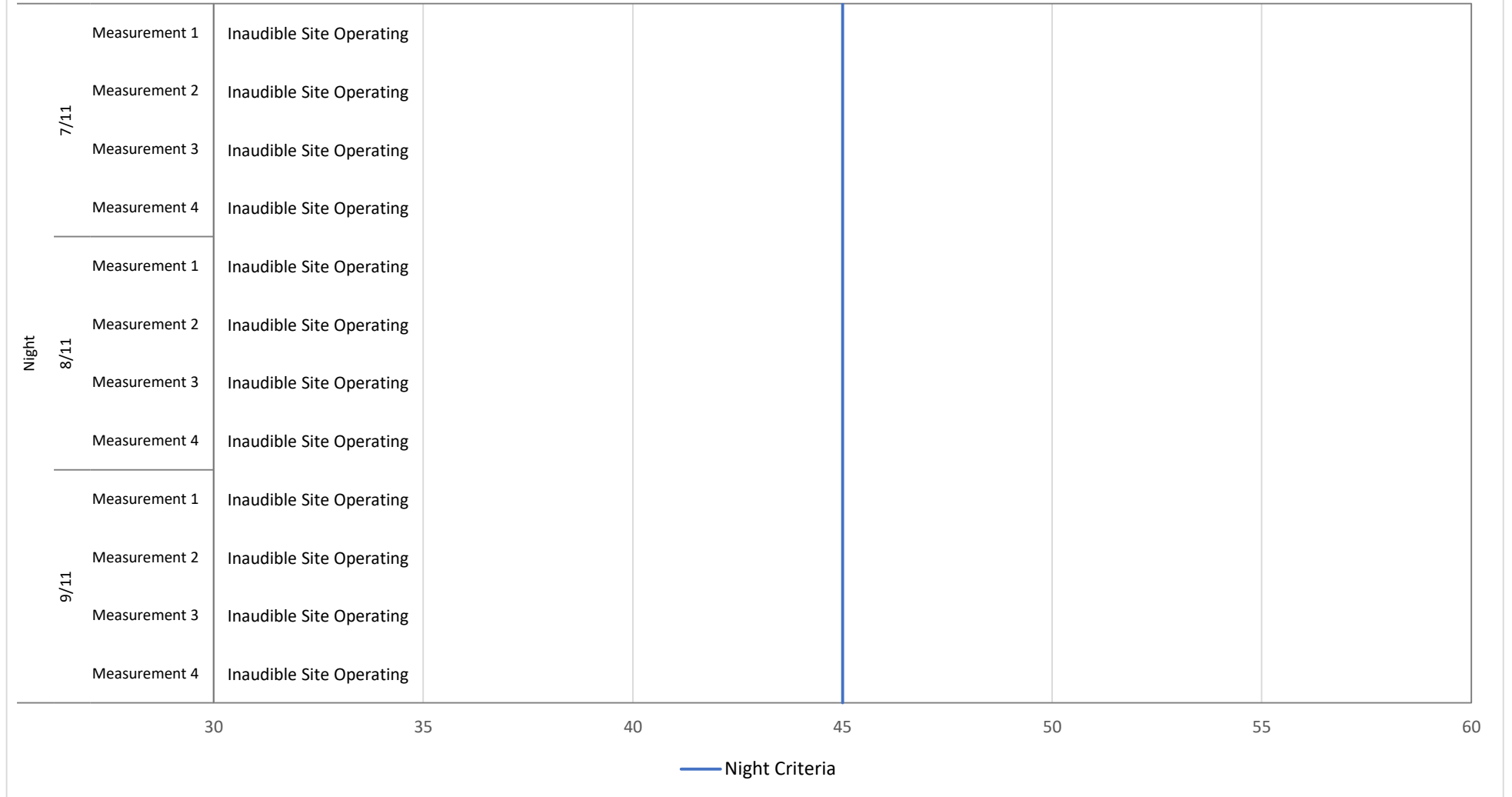


Figure 13
 Tomingley Gold Operations
 7 November 2022 to 10 November 2022
 LAMax(15min) Site Contribution - R23



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5 Discussion

5.1 Discussion of Results - Location R2

Monitoring between Monday 7 November 2022 and Thursday 10 November 2022 identified that TGO was audible on 16 occasions at location R2. The estimated mining contribution was measured below relevant noise limits therefore satisfying criteria. Extraneous sources such as birds, traffic, wind in vegetation, operator noise, livestock, insects and trains were audible during the survey periods.

In summary, the noise contribution from TGO satisfied the relevant noise criteria ($L_{Aeq}(15min)$ and L_{Amax}) for all monitored assessment periods at Location R2.

5.2 Discussion of Results - Location R3/R29

Monitoring between Monday 7 November 2022 and Thursday 10 November 2022 identified that TGO remained inaudible during the measurement period at location R3/29. The estimated mining contribution was measured below relevant noise limits therefore satisfying criteria. Extraneous sources such as birds, traffic, wind in vegetation, insects, aircraft, dogs barking and construction noise were audible during the survey periods.

In summary, the noise contribution from TGO satisfied the relevant noise criteria ($L_{Aeq}(15min)$ and L_{Amax}) for all monitored assessment periods at Location R3/29.

5.3 Discussion of Results - Location R4

Monitoring between Monday 7 November 2022 and Thursday 10 November 2022 identified that TGO remained inaudible during the measurement period at location R4. The estimated mining contribution was measured below relevant noise limits therefore satisfying criteria. Extraneous sources such as insects, birds, wind in vegetation and livestock were audible during the survey periods.

In summary, the noise contribution from TGO satisfied the relevant noise criteria ($L_{Aeq}(15min)$ and L_{Amax}) for all monitored assessment periods at Location R4.

5.4 Discussion of Results - Location R5

Monitoring between Monday 7 November 2022 and Thursday 10 November 2022 identified that TGO remained inaudible during the measurement period at location R5. The estimated mining contribution was measured below relevant noise limits therefore satisfying criteria. Extraneous sources such as birds, insects, traffic, wind in vegetation and livestock were audible during the survey periods.

In summary, the noise contribution from TGO satisfied the relevant noise criteria ($L_{Aeq}(15min)$ and L_{Amax}) for all monitored assessment periods at Location R5.

5.5 Discussion of Results - Location R6

Monitoring between Monday 7 November 2022 and Thursday 10 November 2022 identified that TGO was audible on 13 occasions at location R6. The estimated mining contribution was measured below relevant noise limits therefore satisfying criteria. Extraneous sources such as traffic, birds, insects and wind in vegetation were audible during the survey periods.

In summary, the noise contribution from TGO satisfied the relevant noise criteria ($L_{Aeq}(15min)$ and L_{Amax}) for all monitored assessment periods at Location R6.

5.6 Discussion of Results - Location R23

Monitoring between Monday 7 November 2022 and Thursday 10 November 2022 identified that TGO remained inaudible during the measurement period at location R23. The estimated mining contribution was measured below relevant noise limits therefore satisfying criteria. Extraneous sources such as birds, traffic, local residential noise, insects, wind in vegetation, construction noise and aircraft were audible during the survey periods.

In summary, the noise contribution from TGO satisfied the relevant noise criteria ($L_{Aeq}(15min)$ and L_{Amax}) for all monitored assessment periods at Location R23.

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 one 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.

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 highway traffic noise, birds, and insect noise influenced measured noise levels for this assessment. Furthermore, for November 2022, 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 – R23

Assessment Type	Time (hrs)	Descriptor (dBA re 20 µPa)			Criteria	Mine Noise Contribution	Meteorology ¹	Description and SPL, dBA
		L _{Amax}	L _{Aeq}	L _{A90}				
		Monday 7 November 2022						
Attended	21:21	57	41	37	38	<27	Insects 34-44 Traffic 31-57 TGO Inaudible	
Unattended	21:21	52	38	35	38	<25	Insects Traffic TGO Inaudible	
Tuesday 8 November 2022								
Attended	00:20	58	37	34	36	<24	Insects 33-49 Traffic 30-58 Birds 30-47 TGO Inaudible	
Unattended	00:20	51	35	33	36	<33	Insects Birds TGO Inaudible	
Attended	13:34	69	44	36	43	<26	Birds 30-66 Traffic 30-69 Residential Noise 35-54 TGO Inaudible	
Unattended	13:34	87	54	32	<22	<22	No audio trigger TGO Inaudible	
Attended	20:39	60	44	39	38	<29	Insects 36-46 Traffic 35-60 Aircraft 40-45 TGO Inaudible	
Unattended	20:39	53	39	34	38	<24	Traffic Insects TGO Inaudible	
Attended	23:04	56	39	36	36	<26	Insects 32-45 Traffic 30-51 Dogs Barking 40-56 TGO Inaudible	
Unattended	23:04	53	38	34	36	<24	Birds TGO Inaudible	

Table 2 Comparison of Attended and Unattended Results – R23

Assessment Type	Time (hrs)	Descriptor (dBA re 20 µPa)			Criteria	Mine Noise Contribution	Meteorology ¹	Description and SPL, dBA
		L _{Amax}	L _{Aeq}	L _{A90}				
		Wednesday 9 November 2022						
Attended	13:20	71	46	38	43	<28	WD: NE WS: 1.5m/s Stab Class: A	Wind in Vegetation 30-44 Birds 30-71 Traffic 30-70 Residential Noise 32-48 Construction Noise 30-64 TGO Inaudible
Unattended	13:20	86	51	33	43	<33		No audio trigger TGO Inaudible
Attended	20:09	63	44	41	38	<31	WD: NE WS: 0.1m/s	Insects 40-49 Traffic 37-63 TGO Inaudible
Unattended	20:08	50	39	35	38	<25	Stab Class: F	No audio trigger TGO Inaudible
Attended	22:00	54	43	39	36	<29	WD: NE WS: 0.5m/s	Insects 37-48 Traffic 35-54 TGO Inaudible
Unattended	22:00	55	40	35	36	<25	Stab Class: E	Traffic Insects TGO Inaudible
Thursday 10 November 2022								
Attended	09:59	69	47	41	43	<31	WD: NE WS: 2m/s Stab Class: C	Wind in Vegetation 37-53 Birds 35-69 Traffic 35-69 Construction Noise 40-49 Residential Noise <39 TGO Inaudible
Unattended	09:59	65	44	38	43	<28		No audio trigger TGO Inaudible

Note 1: Meteorological data obtained from TGO's on-site weather station.

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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 EPL20169 (EPL) conditions pertaining to mine noise emissions.

Attended monitoring between Monday 7 November 2022 to Thursday 10 November 2022, identifies that noise emissions generated by TGO comply with relevant noise limits specified in EPL conditions at all assessed locations.

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Appendix A - Glossary of Terms

Several technical terms have been used in this report and are explained in **Table A1**.

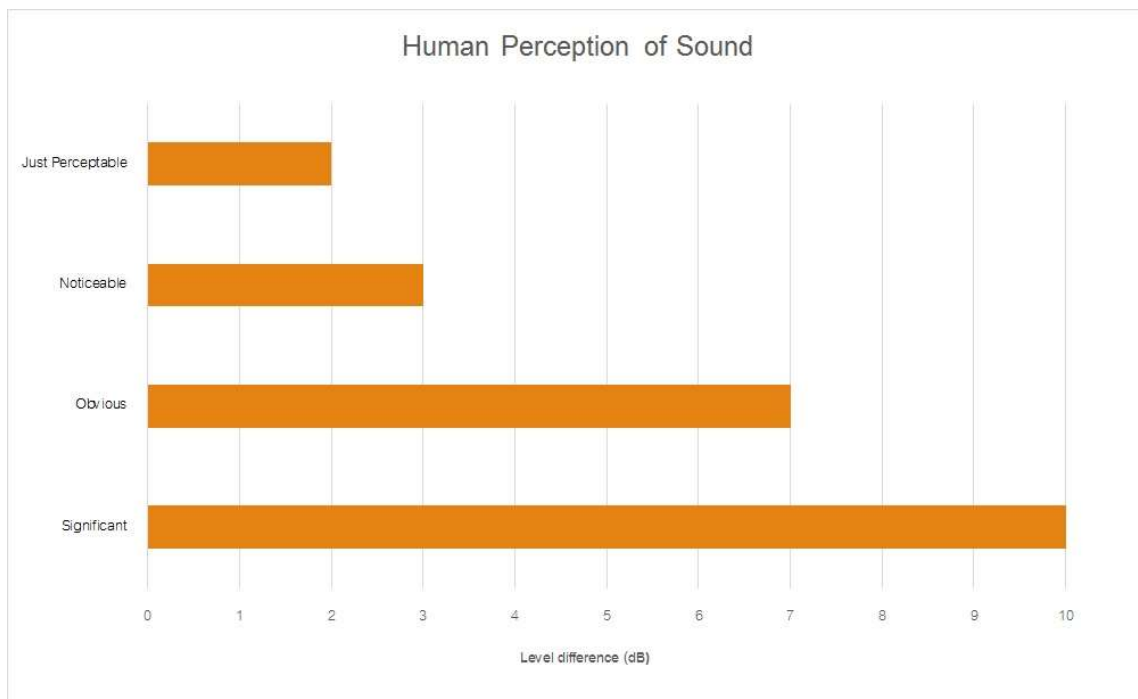
Table A1 Glossary of Terms	
Term	Description
1/3 Octave	Single octave bands divided into three parts
Octave	A division of the frequency range into bands, the upper frequency limit of each band being twice the lower frequency limit.
ABL	Assessment Background Level (ABL) is defined in the NPI as a single 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 noise associated with a given environment. Typically a composite of sounds from many 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 noise.
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)	Decibels Linear or decibels Z-weighted.
Hertz (Hz)	The measure of frequency of sound wave oscillations per second - 1 oscillation per second equals 1 hertz.
LA10	A noise level which is exceeded 10 % of the time. It is approximately equivalent to the average of maximum noise levels.
LA90	Commonly referred to as the background noise, this is the level exceeded 90 % of the time.
LAeq	The summation of noise over a selected period of time. It is the energy average noise from a source, and is the equivalent continuous sound pressure level over a given period.
LAm _{ax}	The maximum root mean squared (rms) sound pressure level received at the microphone during a measuring interval.
RBL	The Rating Background Level (RBL) is an overall single figure background level representing each assessment period over the whole monitoring period. The RBL is used to determine the intrusiveness criteria for noise assessment purposes and is the median of the ABL's.
Sound power level (SWL)	This is a measure of the total power radiated by a source. The sound power of a source is a fundamental location of the source and is independent of the surrounding environment. Or a measure of the energy emitted from a source as sound and is given by : $= 10 \cdot \log_{10} (W/W_0)$ Where : W is the sound power in watts and W ₀ is the sound reference power at 10-12 watts.

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 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



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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)	
08/11/2022	10:17	71	45	47	35	36	Wind : E @ 1m/s Temp : 22 °C Stab Class : D	Wind in Vegetation 33-41 Birds 30-54 Traffic 30-71	Inaudible Site Operating	
Day Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	10:32	70	43	42	35	36	Wind : E @ 1m/s Temp : 22 °C Stab Class : C	Wind in Vegetation 32-44 Birds 30-58 Traffic 30-70	Inaudible Site Operating	
Day Measurement 3										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	10:47	88	48	61	34	36	Wind : E @ 1m/s Temp : 23 °C Stab Class : B	Wind in Vegetation 34-43 Birds 30-88	Inaudible Site Operating	
Day Measurement 4										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	11:02	68	47	47	33	36	Wind : E @ 1m/s Temp : 23 °C Stab Class : A	Wind in Vegetation 30-43 Birds 30-61 Traffic 30-68	Inaudible Site Operating	
Day Measurement 5										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	11:17	67	47	46	31	36	Wind : E @ 1m/s Temp : 24 °C Stab Class : C	Wind in Vegetation 28-40 Birds 30-67	Inaudible Site Operating	
Day Measurement 6										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	11:32	68	44	44	33	36	Wind : E @ 1m/s Temp : 24 °C Stab Class : B	Wind in Vegetation 28-40 Birds 30-68	Inaudible Site Operating	
Evening Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
07/11/2022	20:09	58	33	32	29	35	Wind : SE @ 0.5m/s Temp : 18 °C Stab Class : F	Birds 25-41 TGO Processing 25-28 Traffic 25-33 MAC Operator 51-58	27	
Evening Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
07/11/2022	20:24	44	34	32	30	35	Wind : SE @ 0.5m/s Temp : 18 °C Stab Class : F	Insects/Frogs 29-35 Birds 26-44 TGO Processing 26-30	28	
Night Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
07/11/2022	22:01	51	41	37	29	35 / 45	Wind : SE @ 0.5m/s Temp : 16 °C Stab Class : E	Insects/Frogs 27-36 Livestock 25-51 Birds 25-39 TGO Processing 25-28	26	28
Night Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
07/11/2022	22:16	50	35	33	29	35 / 45	Wind : SE @ 0.5m/s Temp : 16 °C Stab Class : E	Insects/Frogs 27-36 Livestock 25-50 TGO Processing 25-28	26	28
Night Measurement 3										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
07/11/2022	22:31	49	38	36	30	35 / 45	Wind : SE @ 0.5m/s Temp : 16 °C Stab Class : F	Insects/Frogs 27-36 Livestock 25-49 TGO Processing 25-30 Train Passby 30-38	27	30
Night Measurement 4										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
07/11/2022	22:46	51	37	34	29	35 / 45	Wind : SE @ 0.5m/s Temp : 16 °C Stab Class : E	Train Passby 30-38 Insects/Frogs 27-36 Livestock 25-51 TGO Processing 25-30	27	30

Tomingley Gold Operations - R2										
Day Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	11:41	64	42	43	32	36	Wind : NE @ 1m/s Temp : 23 °C Stab Class : B	Wind in Vegetation 30-41 Birds 30-50 Traffic 30-64	Inaudible Site Operating	
Day Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	11:56	65	40	42	30	36	Wind : NE @ 1m/s Temp : 24 °C Stab Class : A	Wind in Vegetation 28-38 Birds 28-65	Inaudible Site Operating	
Day Measurement 3										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	12:11	71	41	46	31	36	Wind : NE @ 1m/s Temp : 25 °C Stab Class : B	Birds 25-50 Traffic 25-71 Wind in Vegetation 28-38	Inaudible Site Operating	
Day Measurement 4										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	12:26	71	45	45	29	36	Wind : NE @ 1m/s Temp : 25 °C Stab Class : A	Birds 25-59 Wind in Vegetation 26-49 Traffic 25-71	Inaudible Site Operating	
Day Measurement 5										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	12:41	74	51	52	31	36	Wind : NE @ 1m/s Temp : 25 °C Stab Class : B	Wind in Vegetation 27-40 Traffic 25-74 Birds 25-66	Inaudible Site Operating	
Day Measurement 6										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	12:56	66	42	44	31	36	Wind : N @ 1m/s Temp : 25 °C Stab Class : A	Wind in Vegetation 27-45 Birds 25-66 Traffic 25-45	Inaudible Site Operating	
Evening Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	21:20	59	35	34	30	35	Wind : NE @ 0.1m/s Temp : 17 °C Stab Class : E	Insects/Frogs 28-42 TGO Processing 25-28 TGO Loading 25-31 MAC Operator 51-59	28	
Evening Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	21:35	46	33	31	28	35	Wind : NE @ 0.1m/s Temp : 17 °C Stab Class : E	Insects/Frogs 26-46 TGO Processing 25-28 TGO Loading 25-32	29	
Night Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
09/11/2022	00:17	57	35	34	31	35 / 45	Wind : NE @ 1m/s Temp : 13 °C Stab Class : E	Insects/Frogs 28-42 TGO Processing 25-30 TGO Loading 25-36 MAC Operator 51-57	28	36
Night Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
09/11/2022	00:32	40	36	34	32	35 / 45	Wind : NE @ 1m/s Temp : 13 °C Stab Class : D	Insects/Frogs 30-38 Wind in Vegetation 27-40 TGO Processing 25-30 TGO Loading 25-38	28	38
Night Measurement 3										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
09/11/2022	00:47	46	36	34	31	35 / 45	Wind : NE @ 1m/s Temp : 13 °C Stab Class : D	MAC Operator 29-46 Wind in Vegetation 26-41 TGO Processing 26-30 TGO Loading 26-37	29	37
Night Measurement 4										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
09/11/2022	01:02	44	36	34	31	35 / 45	Wind : NE @ 1m/s Temp : 12 °C Stab Class : E	Insects/Frogs 29-39 Wind in Vegetation 26-44 TGO Processing 26-30 TGO Loading 26-38	28	38

Tomingley Gold Operations - R2										
Day Measurement 1										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2022	11:45	72	48	48	40	36	Wind : NE @ 1.5m/s Temp : 26 °C Stab Class : D	Wind in Vegetation 37-54 Birds 35-72	Inaudible Site Operating	
Day Measurement 2										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2022	12:00	63	48	46	37	36	Wind : NE @ 1.5m/s Temp : 26 °C Stab Class : D	Wind in Vegetation 33-52 Birds 30-63 Traffic 30-56	Inaudible Site Operating	
Day Measurement 3										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2022	12:15	71	47	48	37	36	Wind : NE @ 1.5m/s Temp : 26 °C Stab Class : D	Wind in Vegetation 33-50 Birds 30-65 Traffic 30-71	Inaudible Site Operating	
Day Measurement 4										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2022	12:30	76	48	48	36	36	Wind : NE @ 1.5m/s Temp : 27 °C Stab Class : D	Wind in Vegetation 37-50 Birds 37-76 Traffic 37-65	Inaudible Site Operating	
Day Measurement 5										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2022	12:45	74	47	50	33	36	Wind : NE @ 1m/s Temp : 26 °C Stab Class : C	Wind in Vegetation 30-45 Birds 30-74	Inaudible Site Operating	
Day Measurement 6										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2022	13:00	70	43	44	32	36	Wind : NE @ 1m/s Temp : 26 °C Stab Class : C	Wind in Vegetation 29-40 Birds 30-70 Traffic 30-64	Inaudible Site Operating	
Evening Measurement 1										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	20:48	50	46	45	43	35	Wind : NE @ 0.1m/s Temp : 18 °C Stab Class : F	Insects/Frogs 42-50	Inaudible Site Operating	
Evening Measurement 2										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	21:03	57	45	43	42	35	Wind : NE @ 0.1m/s Temp : 18 °C Stab Class : E	Insects/Frogs 41-50 MAC Operator 51-57	Inaudible Site Operating	
Night Measurement 1										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
09/11/2022	23:10	55	43	41	36	35 / 45	Wind : SE @ 1.5m/s Temp : 16 °C Stab Class : D	Wind in Vegetation 30-55 Insects/Frogs 33-51 TGO Loading 30-38 TGO Processing<30	35	38
Night Measurement 2										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
09/11/2022	23:25	60	48	45	39	35 / 45	Wind : SE @ 1.5m/s Temp : 16 °C Stab Class : D	Wind in Vegetation 33-60 TGO Loading 30-36 TGO Processing<30	33	36
Night Measurement 3										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
09/11/2022	23:40	52	45	42	37	35 / 45	Wind : SE @ 1.5m/s Temp : 15 °C Stab Class : D	Wind in Vegetation 35-52 TGO Loading 30-35 TGO Processing<30	32	35
Night Measurement 4										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
09/11/2022	23:55	52	46	42	36	35 / 45	Wind : SE @ 1.5m/s Temp : 15 °C Stab Class : D	Wind in Vegetation 32-52 TGO Loading 30-35 TGO Processing<30	32	35

Note: All noise levels are dBA

Tomingley Gold Operations - R3										
Day Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	11:57	82	64	62	34	45	Wind : E @ 0.5m/s Temp : 24 °C Stab Class : A	Traffic 30-82 Birds 30-51	Inaudible Site Operating	
Day Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	12:12	83	63	62	33	45	Wind : E @ 1m/s Temp : 24 °C Stab Class : A	Traffic 30-83 Birds 30-44	Inaudible Site Operating	
Day Measurement 3										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	12:27	79	63	61	35	45	Wind : E @ 1m/s Temp : 24 °C Stab Class : A	Traffic 31-79 Birds 30-45	Inaudible Site Operating	
Day Measurement 4										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	12:42	80	62	60	33	45	Wind : E @ 0.5m/s Temp : 24 °C Stab Class : A	Traffic 30-80 Birds 30-53	Inaudible Site Operating	
Day Measurement 5										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	12:57	79	62	61	32	45	Wind : E @ 0.5m/s Temp : 25 °C Stab Class : A	Traffic 28-79 Birds 30-40	Inaudible Site Operating	
Day Measurement 6										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	13:12	81	62	61	32	45	Wind : E @ 0.5m/s Temp : 25 °C Stab Class : A	Traffic 30-81 Birds 30-61	Inaudible Site Operating	
Evening Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
07/11/2022	20:47	80	48	57	40	35	Wind : SE @ 0.5m/s Temp : 18 °C Stab Class : E	Insects/Frogs 35-44 Traffic 32-80	Inaudible Site Operating	
Evening Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
07/11/2022	21:02	79	48	56	40	35	Wind : SE @ 0.5m/s Temp : 18 °C Stab Class : E	Insects/Frogs 36-44 Traffic 33-79 Aircraft 33-38	Inaudible Site Operating	
Night Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
07/11/2022	23:11	63	37	37	32	35 / 45	Wind : SE @ 0.5m/s Temp : 14 °C Stab Class : F	Insects/Frogs 30-40 Traffic 30-63	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
07/11/2022	23:26	51	37	35	32	35 / 45	Wind : SE @ 0.5m/s Temp : 14 °C Stab Class : D	Insects/Frogs 30-51 Dogs Barking 35-46	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 3										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
07/11/2022	23:41	59	38	37	33	35 / 45	Wind : SE @ 0.5m/s Temp : 14 °C Stab Class : E	Insects/Frogs 30-59	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 4										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
07/11/2022	23:56	73	46	48	32	35 / 45	Wind : SE @ 0.5m/s Temp : 14 °C Stab Class : E	Insects/Frogs 29-48 Traffic 30-73	Inaudible Site Operating	Inaudible Site Operating

Tomingley Gold Operations - R3										
Day Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	10:01	76	61	58	41	45	Wind : N @ 1.5m/s Temp : 21 °C Stab Class : C	Traffic 35-76 Birds 35-65 Wind in Vegetation 36-44 Construction Noise 35-51	Inaudible Site Operating	
Day Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	10:16	78	60	59	37	45	Wind : N @ 1.5m/s Temp : 21 °C Stab Class : C	Traffic 30-78 Birds 30-56 Wind in Vegetation 33-43 Construction Noise 30-46	Inaudible Site Operating	
Day Measurement 3										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	10:31	77	62	59	40	45	Wind : N @ 1.5m/s Temp : 21 °C Stab Class : C	Traffic 35-77 Birds 35-51 Wind in Vegetation 37-44 Construction Noise 35-48	Inaudible Site Operating	
Day Measurement 4										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	10:46	82	61	61	37	45	Wind : N @ 1.5m/s Temp : 21 °C Stab Class : C	Traffic 30-82 Birds 30-58 Wind in Vegetation 33-41 Construction Noise 35-48	Inaudible Site Operating	
Day Measurement 5										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	11:01	85	65	63	38	45	Wind : N @ 1m/s Temp : 22 °C Stab Class : C	Traffic 35-85 Birds 32-48 Construction Noise 32-45	Inaudible Site Operating	
Day Measurement 6										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	11:16	80	61	59	36	45	Wind : N @ 1m/s Temp : 22 °C Stab Class : C	Traffic 32-80 Birds 30-50 Construction Noise 30-45	Inaudible Site Operating	
Evening Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	20:05	79	52	56	40	35	Wind : NE @ 0.1m/s Temp : 19 °C Stab Class : D	Traffic 35-79 Insects/Frogs 35-38 Birds 35-65	Inaudible Site Operating	
Evening Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	20:20	84	59	61	40	35	Wind : NE @ 0.1m/s Temp : 19 °C Stab Class : D	Traffic 35-84 Insects/Frogs 35-38	Inaudible Site Operating	
Night Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
08/11/2022	22:00	82	49	55	35	35 / 45	Wind : NE @ 0.1m/s Temp : 16 °C Stab Class : E	Traffic 30-82 Insects/Frogs 32-43	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
08/11/2022	22:15	81	46	56	35	35 / 45	Wind : NE @ 0.1m/s Temp : 16 °C Stab Class : E	Insects/Frogs 32-44 Traffic 30-81	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 3										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
08/11/2022	22:30	83	49	56	35	35 / 45	Wind : NE @ 0.1m/s Temp : 16 °C Stab Class : E	Insects/Frogs 31-42 Traffic 30-83	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 4										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
08/11/2022	22:45	79	49	55	35	35 / 45	Wind : NE @ 0.1m/s Temp : 15 °C Stab Class : D	Insects/Frogs 32-40 Traffic 30-79	Inaudible Site Operating	Inaudible Site Operating

Tomingley Gold Operations - R3										
Day Measurement 1										
Date	Time	L _{Amax}	L _{A10}	L _{Aeq}	L _{A90}	Criteria L _{Aeq}	Mets at ground	Comments	Site Contribution (L _{Aeq15min})	
10/11/2022	15:17	81	65	62	37	45	Wind : NE @ 1.5m/s Temp : 24 °C Stab Class : B	Traffic 30-81 Birds 30-55 Construction Noise 33-40 Wind in Vegetation 33-43	Inaudible Site Operating	
Day Measurement 2										
Date	Time	L _{Amax}	L _{A10}	L _{Aeq}	L _{A90}	Criteria L _{Aeq}	Mets at ground	Comments	Site Contribution (L _{Aeq15min})	
10/11/2022	15:32	79	59	59	38	45	Wind : NE @ 1.5m/s Temp : 24 °C Stab Class : C	Traffic 33-79 Birds 33-50 Construction Noise 36-45 Wind in Vegetation 36-48	Inaudible Site Operating	
Day Measurement 3										
Date	Time	L _{Amax}	L _{A10}	L _{Aeq}	L _{A90}	Criteria L _{Aeq}	Mets at ground	Comments	Site Contribution (L _{Aeq15min})	
10/11/2022	15:47	82	62	61	37	45	Wind : NE @ 1.5m/s Temp : 24 °C Stab Class : B	Traffic 30-82 Birds 30-45 Construction Noise 34-40 Wind in Vegetation 34-43	Inaudible Site Operating	
Day Measurement 4										
Date	Time	L _{Amax}	L _{A10}	L _{Aeq}	L _{A90}	Criteria L _{Aeq}	Mets at ground	Comments	Site Contribution (L _{Aeq15min})	
10/11/2022	16:02	79	64	62	39	45	Wind : NE @ 1.5m/s Temp : 24 °C Stab Class : C	Traffic 35-79 Birds 35-58 Wind in Vegetation 36-44 Construction Noise 36-43	Inaudible Site Operating	
Day Measurement 5										
Date	Time	L _{Amax}	L _{A10}	L _{Aeq}	L _{A90}	Criteria L _{Aeq}	Mets at ground	Comments	Site Contribution (L _{Aeq15min})	
10/11/2022	16:17	82	60	60	34	45	Wind : NE @ 1m/s Temp : 24 °C Stab Class : C	Traffic 30-82 Birds 30-52 Construction Noise 35-40	Inaudible Site Operating	
Day Measurement 6										
Date	Time	L _{Amax}	L _{A10}	L _{Aeq}	L _{A90}	Criteria L _{Aeq}	Mets at ground	Comments	Site Contribution (L _{Aeq15min})	
10/11/2022	16:32	79	64	61	37	45	Wind : NE @ 1m/s Temp : 24 °C Stab Class : C	Traffic 33-79 Birds 30-50 Construction Noise 33-40	Inaudible Site Operating	
Evening Measurement 1										
Date	Time	L _{Amax}	L _{A10}	L _{Aeq}	L _{A90}	Criteria L _{Aeq}	Mets at ground	Comments	Site Contribution (L _{Aeq15min})	
09/11/2022	21:26	75	49	52	36	35	Wind : NE @ 0.1m/s Temp : 17 °C Stab Class : E	Insects/Frogs 34-44 Traffic 30-75	Inaudible Site Operating	
Evening Measurement 2										
Date	Time	L _{Amax}	L _{A10}	L _{Aeq}	L _{A90}	Criteria L _{Aeq}	Mets at ground	Comments	Site Contribution (L _{Aeq15min})	
09/11/2022	21:41	77	48	54	36	35	Wind : NE @ 0.1m/s Temp : 17 °C Stab Class : E	Insects/Frogs 33-42 Traffic 30-77	Inaudible Site Operating	
Night Measurement 1										
Date	Time	L _{Amax}	L _{A10}	L _{Aeq}	L _{A90}	Criteria L _{Aeq} /L _{Amax}	Mets at ground	Comments	Site Contribution (L _{Aeq15min})	Site Contribution (L _{Amax})
10/11/2022	00:19	53	43	41	39	35 / 45	Wind : E @ 1.5m/s Temp : 15 °C Stab Class : D	Wind in Vegetation 38-53 Insects/Frogs <38	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 2										
Date	Time	L _{Amax}	L _{A10}	L _{Aeq}	L _{A90}	Criteria L _{Aeq} /L _{Amax}	Mets at ground	Comments	Site Contribution (L _{Aeq15min})	Site Contribution (L _{Amax})
10/11/2022	00:34	59	42	41	39	35 / 45	Wind : E @ 2m/s Temp : 14 °C Stab Class : D	Wind in Vegetation 37-59 Insects/Frogs <37	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 3										
Date	Time	L _{Amax}	L _{A10}	L _{Aeq}	L _{A90}	Criteria L _{Aeq} /L _{Amax}	Mets at ground	Comments	Site Contribution (L _{Aeq15min})	Site Contribution (L _{Amax})
10/11/2022	00:49	53	43	42	39	35 / 45	Wind : E @ 2m/s Temp : 14 °C Stab Class : D	Wind in Vegetation 38-46 Insects/Frogs <38 Traffic 35-53	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 4										
Date	Time	L _{Amax}	L _{A10}	L _{Aeq}	L _{A90}	Criteria L _{Aeq} /L _{Amax}	Mets at ground	Comments	Site Contribution (L _{Aeq15min})	Site Contribution (L _{Amax})
10/11/2022	01:04	76	47	52	41	35 / 45	Wind : E @ 2.5m/s Temp : 14 °C Stab Class : D	Wind in Vegetation 40-55 Insects/Frogs <40 Traffic 40-76	Inaudible Site Operating	Inaudible Site Operating

Note: All noise levels are dBA

Tomingley Gold Operations - R4										
Day Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	12:42	65	47	48	29	35	Wind : NE @ 1.6m/s Temp : 22 °C Stab Class : A	Insects/Frogs 25-28 Birds 36-65 Wind in Vegetation 25-38	Inaudible Site Operating	
Day Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	12:57	62	40	41	27	35	Wind : NE @ 0.4m/s Temp : 22 °C Stab Class : A	Insects/Frogs 24-28 Birds 30-62 Wind in Vegetation 24-30 Livestock 32-36	Inaudible Site Operating	
Day Measurement 3										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	13:12	65	45	45	28	35	Wind : NE @ 0.6m/s Temp : 22 °C Stab Class : A	Insects/Frogs 24-29 Birds 32-65 Wind in Vegetation 24-32	Inaudible Site Operating	
Day Measurement 4										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	13:27	54	38	36	27	35	Wind : NE @ 1.1m/s Temp : 23 °C Stab Class : A	Insects/Frogs 25-30 Birds 32-54 Wind in Vegetation 25-34	Inaudible Site Operating	
Day Measurement 5										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	13:42	53	38	36	27	35	Wind : NE @ 1m/s Temp : 23 °C Stab Class : A	Birds 25-53 Insects/Frogs 25-30 Wind in Vegetation 28-34	Inaudible Site Operating	
Day Measurement 6										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	13:57	65	42	45	27	35	Wind : NE @ 1m/s Temp : 23 °C Stab Class : A	Birds 32-65 Insects/Frogs 24-28 Wind in Vegetation 26-32	Inaudible Site Operating	
Evening Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
07/11/2022	20:37	57	37	34	29	35	Wind : E @ 0.1m/s Temp : 15 °C Stab Class : D	Birds 25-57 Insects/Frogs 25-29	Inaudible Site Operating	
Evening Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
07/11/2022	20:52	56	35	32	27	35	Wind : E @ 0.1m/s Temp : 15 °C Stab Class : E	Insects/Frogs 24-29 Birds 36-56 Traffic 34-42	Inaudible Site Operating	
Night Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
07/11/2022	23:10	52	39	36	26	35 / 45	Wind : E @ 0.1m/s Temp : 15 °C Stab Class : F	Birds 23-52 Insects/Frogs 23-25 Livestock 26-45	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
07/11/2022	23:25	53	37	35	25	35 / 45	Wind : E @ 0.1m/s Temp : 15 °C Stab Class : D	Insects/Frogs 22-24 Birds 29-53	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 3										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
07/11/2022	23:40	52	34	32	25	35 / 45	Wind : E @ 0.1m/s Temp : 15 °C Stab Class : E	Birds 36-52 Insects/Frogs 26-28 Livestock 26-38	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 4										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
07/11/2022	23:55	44	32	28	23	35 / 45	Wind : E @ 0.1m/s Temp : 15 °C Stab Class : E	Insects/Frogs 23-26 Birds 23-44	Inaudible Site Operating	Inaudible Site Operating

Tomingley Gold Operations - R4										
Day Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	13:13	58	36	34	27	35	Wind : N @ 0.8m/s Temp : 24 °C Stab Class : C	Birds 25-58 Insects/Frogs 26-30 Wind in Vegetation 37-38	Inaudible Site Operating	
Day Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	13:28	58	39	35	28	35	Wind : N @ 1m/s Temp : 24 °C Stab Class : B	Birds 28-58 Insects/Frogs 25-27 Wind in Vegetation 26-34	Inaudible Site Operating	
Day Measurement 3										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	13:43	55	38	36	28	35	Wind : N @ 1m/s Temp : 24 °C Stab Class : A	Birds 25-55 Insects/Frogs 26-28 Wind in Vegetation 25-30	Inaudible Site Operating	
Day Measurement 4										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	13:58	52	37	34	28	35	Wind : N @ 1m/s Temp : 25 °C Stab Class : A	Birds 28-52 Insects/Frogs 25-27 Wind in Vegetation 26-36	Inaudible Site Operating	
Day Measurement 5										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	14:13	61	38	39	26	35	Wind : N @ 0.8m/s Temp : 25 °C Stab Class : A	Birds 26-61 Insects/Frogs 26-29	Inaudible Site Operating	
Day Measurement 6										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	14:28	62	33	38	25	35	Wind : N @ 0.6m/s Temp : 25 °C Stab Class : C	Birds 26-62 Insects/Frogs 23-26	Inaudible Site Operating	
Evening Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	20:47	56	37	36	27	35	Wind : E @ 0.1m/s Temp : 15 °C Stab Class : E	Aircraft 26-56 Insects/Frogs 25-28 Livestock 25-32	Inaudible Site Operating	
Evening Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	21:02	47	35	31	26	35	Wind : E @ 0.1m/s Temp : 14 °C Stab Class : E	Insects/Frogs 24-28 Livestock 34-47	Inaudible Site Operating	
Night Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
08/11/2022	23:09	55	35	33	27	35 / 45	Wind : E @ 0.1m/s Temp : 13 °C Stab Class : D	Insects/Frogs 24-28 Birds 26-55 Livestock 28-38	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
08/11/2022	23:24	56	35	32	26	35 / 45	Wind : E @ 0.1m/s Temp : 13 °C Stab Class : D	Insects/Frogs 24-26 Livestock 25-46 Birds 25-56	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 3										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
08/11/2022	23:39	56	39	36	27	35 / 45	Wind : E @ 0.1m/s Temp : 13 °C Stab Class : E	Insects/Frogs 25-27 Livestock 26-56 Birds 25-46	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 4										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
08/11/2022	23:54	58	45	41	28	35 / 45	Wind : E @ 0.1m/s Temp : 13 °C Stab Class : E	Insects/Frogs 24-27 Livestock 26-58 Birds 24-49	Inaudible Site Operating	Inaudible Site Operating

Tomingley Gold Operations - R4										
Day Measurement 1										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2022	12:27	58	45	42	34	35	Wind : NE @ 0.7m/s Temp : 24 °C Stab Class : D	Insects/Frogs 31-34 Birds 31-58 Traffic 31-36	Inaudible Site Operating	
Day Measurement 2										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2022	12:42	62	48	45	36	35	Wind : NE @ 1m/s Temp : 24 °C Stab Class : C	Insects/Frogs 30-32 Birds 32-62 Wind in Vegetation 30-44	Inaudible Site Operating	
Day Measurement 3										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2022	12:57	62	48	45	37	35	Wind : NE @ 1.2m/s Temp : 24 °C Stab Class : C	Insects/Frogs 34-37 Birds 36-62 Wind in Vegetation 36-45	Inaudible Site Operating	
Day Measurement 4										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2022	13:12	62	45	43	38	35	Wind : NE @ 1.4m/s Temp : 24 °C Stab Class : C	Insects/Frogs 35-37 Birds 35-62 Wind in Vegetation 35-46	Inaudible Site Operating	
Day Measurement 5										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2022	13:27	57	43	40	30	35	Wind : NE @ 1.5m/s Temp : 24 °C Stab Class : C	Insects/Frogs 27-31 Birds 30-57 Wind in Vegetation 27-30	Inaudible Site Operating	
Day Measurement 6										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2022	13:42	52	39	36	30	35	Wind : NE @ 1.6m/s Temp : 24 °C Stab Class : C	Insects/Frogs 28-30 Birds 28-52 Wind in Vegetation 28-40	Inaudible Site Operating	
Evening Measurement 1										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	20:36	53	42	40	34	35	Wind : E @ 0.1m/s Temp : 18 °C Stab Class : F	Insects/Frogs 34-39 Livestock 33-53	Inaudible Site Operating	
Evening Measurement 2										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	20:51	53	41	37	32	35	Wind : E @ 0.1m/s Temp : 18 °C Stab Class : F	Insects/Frogs 33-36 Livestock 33-53	Inaudible Site Operating	
Night Measurement 1										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
09/11/2022	23:12	65	49	47	42	35 / 45	Wind : E @ 1.6m/s Temp : 18 °C Stab Class : D	Insects/Frogs 40-42 Wind in Vegetation 42-65 Livestock 40-53	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 2										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
09/11/2022	23:27	65	54	51	46	35 / 45	Wind : E @ 1.6m/s Temp : 18 °C Stab Class : D	Insects/Frogs <42 Wind in Vegetation 42-65	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 3										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
09/11/2022	23:42	63	55	52	47	35 / 45	Wind : E @ 2.2m/s Temp : 18 °C Stab Class : D	Insects/Frogs <42 Wind in Vegetation 42-63	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 4										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
09/11/2022	23:57	68	55	52	47	35 / 45	Wind : E @ 2m/s Temp : 18 °C Stab Class : D	Insects/Frogs <43 Wind in Vegetation 43-68	Inaudible Site Operating	Inaudible Site Operating

Note: All noise levels are dBA

Tomingley Gold Operations - R5										
Day Measurement 1										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	11:00	81	60	60	37	35	Wind : NE @ 1m/s Temp : 22 °C Stab Class : A	Birds 40-74 Insects/Frogs 33-38 Traffic 36-81 Wind in Vegetation 33-37	Inaudible Site Operating	
Day Measurement 2										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	11:15	78	61	59	36	35	Wind : NE @ 1.2m/s Temp : 22 °C Stab Class : C	Traffic 32-78 Insects/Frogs 32-34 Birds 36-56 Wind in Vegetation 32-42	Inaudible Site Operating	
Day Measurement 3										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	11:30	78	60	59	36	35	Wind : NE @ 1m/s Temp : 22 °C Stab Class : D	Traffic 33-78 Insects/Frogs 33-37 Birds 36-52 Wind in Vegetation 33-37	Inaudible Site Operating	
Day Measurement 4										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	11:45	77	59	58	32	35	Wind : NE @ 1.2m/s Temp : 22 °C Stab Class : A	Traffic 29-77 Insects/Frogs 29-32 Birds 34-51 Wind in Vegetation 29-38	Inaudible Site Operating	
Day Measurement 5										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	12:00	79	64	61	34	35	Wind : NE @ 0.7m/s Temp : 22 °C Stab Class : A	Insects/Frogs 31-34 Traffic 34-79 Birds 36-68	Inaudible Site Operating	
Day Measurement 6										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	12:15	77	59	59	34	35	Wind : NE @ 0.3m/s Temp : 22 °C Stab Class : A	Insects/Frogs 31-34 Birds 36-61 Traffic 36-77	Inaudible Site Operating	
Evening Measurement 1										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
07/11/2022	20:01	78	50	56	35	35	Wind : E @ 0.1m/s Temp : 15 °C Stab Class : D	Birds 36-48 Insects/Frogs 33-36 Traffic 36-78	Inaudible Site Operating	
Evening Measurement 2										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
07/11/2022	20:16	74	38	46	35	35	Wind : E @ 0.1m/s Temp : 15 °C Stab Class : F	Insects/Frogs 34-39 Traffic 33-74 Livestock 36-44	Inaudible Site Operating	
Night Measurement 1										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
08/11/2022	00:20	52	42	39	36	35 / 45	Wind : E @ 0.1m/s Temp : 15 °C Stab Class : E	Insects/Frogs 36-40 Birds 36-48 Traffic 36-52	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 2										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
08/11/2022	00:35	74	42	47	35	35 / 45	Wind : E @ 0.1m/s Temp : 15 °C Stab Class : D	Insects/Frogs 34-38 Traffic 34-74 Birds 38-46	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 3										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
08/11/2022	00:50	50	41	39	36	35 / 45	Wind : E @ 0.1m/s Temp : 14 °C Stab Class : E	Insects/Frogs 36-38 Birds 38-50	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 4										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
08/11/2022	01:05	47	42	40	37	35 / 45	Wind : E @ 0.1m/s Temp : 14 °C Stab Class : E	Insects/Frogs 36-40 Birds 36-47	Inaudible Site Operating	Inaudible Site Operating

Tomingley Gold Operations - R5										
Day Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	11:27	79	65	61	37	35	Wind : N @ 1.6m/s Temp : 22 °C Stab Class : B	Traffic 34-79 Insects/Frogs 34-36 Birds 36-56 Wind in Vegetation 37-40	Inaudible Site Operating	
Day Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	11:42	76	58	58	35	35	Wind : N @ 1m/s Temp : 22 °C Stab Class : B	Traffic 32-76 Insects/Frogs 32-34 Birds 34-49 Wind in Vegetation<34	Inaudible Site Operating	
Day Measurement 3										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	11:57	79	62	60	33	35	Wind : N @ 0.1m/s Temp : 22 °C Stab Class : A	Traffic 36-79 Insects/Frogs 36-37 Birds 36-54	Inaudible Site Operating	
Day Measurement 4										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	12:12	78	55	57	43	35	Wind : N @ 0.1m/s Temp : 22 °C Stab Class : B	Traffic 34-78 Insects/Frogs 34-37 Birds 35-54	Inaudible Site Operating	
Day Measurement 5										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	12:27	77	55	57	43	35	Wind : N @ 0.8m/s Temp : 23 °C Stab Class : A	Traffic 32-77 Insects/Frogs 32-34 Birds 36-54	Inaudible Site Operating	
Day Measurement 6										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	12:42	76	54	58	43	35	Wind : N @ 0.6m/s Temp : 24 °C Stab Class : B	Traffic 30-76 Insects/Frogs 28-60 Birds 30-46	Inaudible Site Operating	
Evening Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	20:08	80	58	59	41	35	Wind : E @ 0.1m/s Temp : 16 °C Stab Class : D	Livestock 40-44 Birds 40-52 Insects/Frogs 40-42 Traffic 42-80	Inaudible Site Operating	
Evening Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	20:23	80	55	58	41	35	Wind : E @ 0.1m/s Temp : 16 °C Stab Class : D	Insects/Frogs 40-73 Traffic 44-80 Birds 41-52 Livestock 40-44	Inaudible Site Operating	
Night Measurement 1										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
09/11/2022	00:18	74	42	48	38	35 / 45	Wind : E @ 0.1m/s Temp : 13 °C Stab Class : E	Insects/Frogs 37-42 Birds 41-48 Traffic 40-74	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 2										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
09/11/2022	00:33	51	40	38	37	35 / 45	Wind : E @ 0.1m/s Temp : 13 °C Stab Class : D	Insects/Frogs 35-38 Birds 37-51	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 3										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
09/11/2022	00:48	72	41	47	38	35 / 45	Wind : E @ 0.1m/s Temp : 13 °C Stab Class : D	Insects/Frogs 36-40 Birds 37-46 Traffic 37-72	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 4										
Date	Time	LAmx	LA10	LAeq	LA90	Criteria LAeq/LAmx	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmx)
09/11/2022	01:03	75	41	48	38	35 / 45	Wind : E @ 0.1m/s Temp : 13 °C Stab Class : E	Insects/Frogs 37-39 Birds 38-44 Traffic 37-75	Inaudible Site Operating	Inaudible Site Operating

Tomingley Gold Operations - R5										
Day Measurement 1										
Date	Time	L _{Amax}	L _{A10}	L _{Aeq}	L _{A90}	Criteria L _{Aeq}	Mets at ground	Comments	Site Contribution (L _{Aeq15min})	
10/11/2022	10:49	81	60	60	39	35	Wind : NE @ 1m/s Temp : 22 °C Stab Class : D	Insects/Frogs 40-42 Wind in Vegetation 42-46 Traffic 41-81 Birds 42-51	Inaudible Site Operating	
Day Measurement 2										
Date	Time	L _{Amax}	L _{A10}	L _{Aeq}	L _{A90}	Criteria L _{Aeq}	Mets at ground	Comments	Site Contribution (L _{Aeq15min})	
10/11/2022	11:04	83	60	60	38	35	Wind : NE @ 1.5m/s Temp : 22 °C Stab Class : C	Traffic 35-83 Birds 36-56 Wind in Vegetation 35-46	Inaudible Site Operating	
Day Measurement 3										
Date	Time	L _{Amax}	L _{A10}	L _{Aeq}	L _{A90}	Criteria L _{Aeq}	Mets at ground	Comments	Site Contribution (L _{Aeq15min})	
10/11/2022	11:19	79	59	59	39	35	Wind : NE @ 2m/s Temp : 22 °C Stab Class : C	Insects/Frogs 33-38 Birds 36-54 Wind in Vegetation 33-46 Traffic 33-79	Inaudible Site Operating	
Day Measurement 4										
Date	Time	L _{Amax}	L _{A10}	L _{Aeq}	L _{A90}	Criteria L _{Aeq}	Mets at ground	Comments	Site Contribution (L _{Aeq15min})	
10/11/2022	11:34	74	63	59	40	35	Wind : NE @ 1.8m/s Temp : 22 °C Stab Class : C	Traffic 36-74 Birds 40-51 Wind in Vegetation 36-47 Insects/Frogs 36-37	Inaudible Site Operating	
Day Measurement 5										
Date	Time	L _{Amax}	L _{A10}	L _{Aeq}	L _{A90}	Criteria L _{Aeq}	Mets at ground	Comments	Site Contribution (L _{Aeq15min})	
10/11/2022	11:49	78	58	57	39	35	Wind : NE @ 1.2m/s Temp : 23 °C Stab Class : D	Traffic 35-78 Birds 35-52 Insects/Frogs 35-37 Wind in Vegetation 36-39	Inaudible Site Operating	
Day Measurement 6										
Date	Time	L _{Amax}	L _{A10}	L _{Aeq}	L _{A90}	Criteria L _{Aeq}	Mets at ground	Comments	Site Contribution (L _{Aeq15min})	
10/11/2022	12:04	71	67	61	49	35	Wind : NE @ 0.9m/s Temp : 23 °C Stab Class : D	Traffic 34-71 Birds 36-51 Insects/Frogs 34-37 Wind in Vegetation 35-42	Inaudible Site Operating	
Evening Measurement 1										
Date	Time	L _{Amax}	L _{A10}	L _{Aeq}	L _{A90}	Criteria L _{Aeq}	Mets at ground	Comments	Site Contribution (L _{Aeq15min})	
09/11/2022	20:00	74	52	54	43	35	Wind : E @ 0.1m/s Temp : 18 °C Stab Class : F	Insects/Frogs 42-44 Birds 44-46 Livestock 42-44 Traffic 42-74	Inaudible Site Operating	
Evening Measurement 2										
Date	Time	L _{Amax}	L _{A10}	L _{Aeq}	L _{A90}	Criteria L _{Aeq}	Mets at ground	Comments	Site Contribution (L _{Aeq15min})	
09/11/2022	20:15	61	52	49	46	35	Wind : E @ 0.1m/s Temp : 18 °C Stab Class : F	Insects/Frogs 42-44 Birds 44-49 Traffic 44-61 Livestock 42-46	Inaudible Site Operating	
Night Measurement 1										
Date	Time	L _{Amax}	L _{A10}	L _{Aeq}	L _{A90}	Criteria L _{Aeq} /L _{Amax}	Mets at ground	Comments	Site Contribution (L _{Aeq15min})	Site Contribution (L _{Amax})
10/11/2022	00:20	64	52	50	46	35 / 45	Wind : E @ 2m/s Temp : 18 °C Stab Class : D	Wind in Vegetation 44-64	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 2										
Date	Time	L _{Amax}	L _{A10}	L _{Aeq}	L _{A90}	Criteria L _{Aeq} /L _{Amax}	Mets at ground	Comments	Site Contribution (L _{Aeq15min})	Site Contribution (L _{Amax})
10/11/2022	00:35	79	56	55	48	35 / 45	Wind : E @ 2m/s Temp : 17 °C Stab Class : D	Wind in Vegetation 44-79	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 3										
Date	Time	L _{Amax}	L _{A10}	L _{Aeq}	L _{A90}	Criteria L _{Aeq} /L _{Amax}	Mets at ground	Comments	Site Contribution (L _{Aeq15min})	Site Contribution (L _{Amax})
10/11/2022	00:50	70	55	53	49	35 / 45	Wind : E @ 2m/s Temp : 17 °C Stab Class : D	Wind in Vegetation 45-61 Traffic 45-70	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 4										
Date	Time	L _{Amax}	L _{A10}	L _{Aeq}	L _{A90}	Criteria L _{Aeq} /L _{Amax}	Mets at ground	Comments	Site Contribution (L _{Aeq15min})	Site Contribution (L _{Amax})
10/11/2022	01:06	78	58	58	42	35 / 45	Wind : E @ 2m/s Temp : 17 °C Stab Class : D	Wind in Vegetation 47-60 Traffic 47-78	Inaudible Site Operating	Inaudible Site Operating

Note: All noise levels are dBA

Tomingley Gold Operations - R6										
Day Measurement 1										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	14:28	61	41	39	33	35	Wind : NE @ 0.8m/s Temp : 22 °C Stab Class : A	Traffic 32-36 Birds 34-61 Insects/Frogs 34-34 TGO Mobile Plant 32-36	34	
Day Measurement 2										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	14:43	72	42	48	34	35	Wind : NE @ 0.8m/s Temp : 22 °C Stab Class : B	Birds 32-72 Insects/Frogs 32-34 Wind in Vegetation 32-38 TGO Mobile Plant 32-37	35	
Day Measurement 3										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	14:58	56	40	38	31	35	Wind : NE @ 1m/s Temp : 22 °C Stab Class : A	Traffic 29-38 Birds 29-56 Insects/Frogs 29-32 TGO Mobile Plant 29-33	31	
Day Measurement 4										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	15:13	64	38	39	33	35	Wind : NE @ 0.5m/s Temp : 22 °C Stab Class : A	Insects/Frogs 29-32 Birds 29-64 Traffic 29-37 TGO Mobile Plant 29-34	31	
Day Measurement 5										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	15:28	56	40	37	32	35	Wind : NE @ 1.2m/s Temp : 22 °C Stab Class : A	Birds 30-46 Traffic 30-56 Insects/Frogs 30-31 TGO Mobile Plant<30	<30	
Day Measurement 6										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	15:43	54	39	36	32	35	Wind : NE @ 0.6m/s Temp : 22 °C Stab Class : C	Birds 30-54 Traffic 30-46 Insects/Frogs 30-32 TGO Mobile Plant<30	<30	
Evening Measurement 1										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
07/11/2022	21:19	55	45	43	41	35	Wind : E @ 0.1m/s Temp : 15 °C Stab Class : D	Traffic 44-55 Insects/Frogs 39-43 Birds 40-46	Inaudible Site Operating	
Evening Measurement 2										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
07/11/2022	21:34	56	44	42	40	35	Wind : E @ 0.1m/s Temp : 15 °C Stab Class : D	Insects/Frogs 38-42 Traffic 40-56	Inaudible Site Operating	
Night Measurement 1										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
07/11/2022	22:00	56	45	43	39	35 / 45	Wind : E @ 0.1m/s Temp : 15 °C Stab Class : E	Insects/Frogs 36-44 Traffic 42-56	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 2										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
07/11/2022	22:15	49	43	41	39	35 / 45	Wind : E @ 0.1m/s Temp : 15 °C Stab Class : E	Insects/Frogs 37-40 Traffic 41-49	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 3										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
07/11/2022	22:30	51	45	43	40	35 / 45	Wind : E @ 0.1m/s Temp : 15 °C Stab Class : E	Insects/Frogs 36-40 Traffic 40-51	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 4										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
07/11/2022	22:45	49	44	42	39	35 / 45	Wind : E @ 0.1m/s Temp : 15 °C Stab Class : E	Insects/Frogs 37-40 Traffic 40-49	Inaudible Site Operating	Inaudible Site Operating

Tomingley Gold Operations - R6										
Day Measurement 1										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	14:53	56	44	42	38	35	Wind : N @ 0.2m/s Temp : 25 °C Stab Class : A	TGO Mobile Plant 33-36 Traffic 33-48 Birds 33-56 Insects/Frogs 33-35	34	
Day Measurement 2										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	15:08	63	45	43	39	35	Wind : N @ 0.1m/s Temp : 24 °C Stab Class : A	Traffic 35-49 Birds 35-63 Insects/Frogs 35-39 TGO Mobile Plant 35-37	35	
Day Measurement 3										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	15:23	65	47	44	36	35	Wind : N @ 0.6m/s Temp : 24 °C Stab Class : D	Traffic 34-56 Birds 34-65 Insects/Frogs 34-38 TGO Mobile Plant 34-36	35	
Day Measurement 4										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	15:38	61	42	41	36	35	Wind : N @ 0.7m/s Temp : 24 °C Stab Class : A	Traffic 34-56 Birds 34-61 Insects/Frogs 34-36 TGO Mobile Plant 34-37	35	
Day Measurement 5										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	15:53	68	46	44	39	35	Wind : N @ 0.1m/s Temp : 24 °C Stab Class : A	Traffic 36-54 Birds 36-68 Insects/Frogs 36-38 TGO Mobile Plant 34-36	35	
Day Measurement 6										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	16:08	53	48	45	38	35	Wind : N @ 0.1m/s Temp : 24 °C Stab Class : C	Traffic 36-50 Birds 36-53 Insects/Frogs 36-38 TGO Mobile Plant 34-36	35	
Evening Measurement 1										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	21:26	60	46	44	41	35	Wind : E @ 0.1m/s Temp : 14 °C Stab Class : E	Traffic 39-60 Insects/Frogs 38-40	Inaudible Site Operating	
Evening Measurement 2										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	21:41	58	45	43	41	35	Wind : E @ 0.1m/s Temp : 14 °C Stab Class : E	Traffic 39-58 Insects/Frogs 39-42	Inaudible Site Operating	
Night Measurement 1										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
08/11/2022	22:00	51	46	44	41	35 / 45	Wind : E @ 0.1m/s Temp : 14 °C Stab Class : E	Insects/Frogs 38-41 Traffic 40-51	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 2										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
08/11/2022	22:15	53	48	46	43	35 / 45	Wind : E @ 0.1m/s Temp : 14 °C Stab Class : E	Insects/Frogs 41-43 Traffic 42-53	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 3										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
08/11/2022	22:30	53	47	45	43	35 / 45	Wind : E @ 0.1m/s Temp : 14 °C Stab Class : E	Insects/Frogs 41-44 Traffic 42-53	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 4										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
08/11/2022	22:45	53	48	46	44	35 / 45	Wind : E @ 0.1m/s Temp : 14 °C Stab Class : D	Insects/Frogs 41-44 Traffic 42-53	Inaudible Site Operating	Inaudible Site Operating

Tomingley Gold Operations - R6										
Day Measurement 1										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2022	14:15	65	45	43	35	35	Wind : NE @ 1.6m/s Temp : 25 °C Stab Class : C	Insects/Frogs 32-37 Birds 36-65 Wind in Vegetation 32-46 Traffic 36-45	Inaudible Site Operating	
Day Measurement 2										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2022	14:30	59	46	43	38	35	Wind : NE @ 1.5m/s Temp : 25 °C Stab Class : B	Birds 37-59 Traffic 37-46 Insects/Frogs 37-39 Wind in Vegetation 37-41	Inaudible Site Operating	
Day Measurement 3										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2022	14:45	53	46	43	40	35	Wind : NE @ 1.4m/s Temp : 25 °C Stab Class : A	Insects/Frogs 37-39 Birds 37-53 Wind in Vegetation 37-46 Traffic 37-50	Inaudible Site Operating	
Day Measurement 4										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2022	15:00	67	47	45	39	35	Wind : NE @ 1.5m/s Temp : 26 °C Stab Class : A	Insects/Frogs 34-36 Birds 34-56 Traffic 36-67 TGO Mobile Plant 34-36	35	
Day Measurement 5										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2022	15:15	58	49	47	44	35	Wind : NE @ 1.2m/s Temp : 26 °C Stab Class : B	Insects/Frogs 41-42 Birds 41-58 Traffic 41-56 Wind in Vegetation 42-46	Inaudible Site Operating	
Day Measurement 6										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2022	15:30	57	48	46	42	35	Wind : NE @ 1m/s Temp : 26 °C Stab Class : C	Birds 41-57 Insects/Frogs 41-42 Traffic 41-49 Wind in Vegetation <41	Inaudible Site Operating	
Evening Measurement 1										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	21:16	54	47	46	44	35	Wind : E @ 0.2m/s Temp : 18 °C Stab Class : E	Insects/Frogs 42-44 Traffic 42-54	Inaudible Site Operating	
Evening Measurement 2										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	21:31	55	48	46	43	35	Wind : E @ 0.4m/s Temp : 18 °C Stab Class : E	Insects/Frogs 41-44 Traffic 41-55	Inaudible Site Operating	
Night Measurement 1										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
09/11/2022	22:00	58	48	46	43	35 / 45	Wind : E @ 0.6m/s Temp : 18 °C Stab Class : E	Insects/Frogs 42-44 Traffic 42-58	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 2										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
09/11/2022	22:15	54	47	45	43	35 / 45	Wind : E @ 0.3m/s Temp : 18 °C Stab Class : E	Insects/Frogs 41-45 Traffic 41-54	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 3										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
09/11/2022	22:30	57	48	46	43	35 / 45	Wind : E @ 0.2m/s Temp : 18 °C Stab Class : E	Insects/Frogs 41-45 Traffic 42-57	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 4										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
09/11/2022	22:45	55	49	46	43	35 / 45	Wind : E @ 0.2m/s Temp : 18 °C Stab Class : E	Insects/Frogs 42-44 Traffic 42-55	Inaudible Site Operating	Inaudible Site Operating

Note: All noise levels are dBA

Tomingley Gold Operations - R23										
Day Measurement 1										
Date	Time	LMax	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	13:34	63	45	43	34	45	Wind : NE @ 1m/s Temp : 25 °C Stab Class : A	Birds 30-63 Traffic 30-55	Inaudible Site Operating	
Day Measurement 2										
Date	Time	LMax	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	13:49	61	43	42	35	45	Wind : NE @ 1m/s Temp : 25 °C Stab Class : A	Birds 30-61 Traffic 31-48	Inaudible Site Operating	
Day Measurement 3										
Date	Time	LMax	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	14:04	60	46	43	36	45	Wind : NE @ 1m/s Temp : 25 °C Stab Class : A	Birds 30-60 Traffic 33-51 Residential Noise 35-46	Inaudible Site Operating	
Day Measurement 4										
Date	Time	LMax	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	14:19	62	49	46	42	45	Wind : NE @ 1m/s Temp : 25 °C Stab Class : A	Residential Noise 37-54 Birds 34-62 Traffic 34-58	Inaudible Site Operating	
Day Measurement 5										
Date	Time	LMax	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	14:34	69	46	45	38	45	Wind : NE @ 1m/s Temp : 25 °C Stab Class : A	Residential Noise 36-51 Birds 33-55 Traffic 33-69	Inaudible Site Operating	
Day Measurement 6										
Date	Time	LMax	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	14:49	66	44	44	37	45	Wind : NE @ 1m/s Temp : 25 °C Stab Class : A	Birds 32-66 Traffic 35-51	Inaudible Site Operating	
Evening Measurement 1										
Date	Time	LMax	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
07/11/2022	21:21	57	45	42	38	35	Wind : SE @ 0.5m/s Temp : 17 °C Stab Class : D	Insects/Frogs 36-44 Traffic 33-57	Inaudible Site Operating	
Evening Measurement 2										
Date	Time	LMax	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
07/11/2022	21:36	46	40	39	36	35	Wind : SE @ 0.5m/s Temp : 17 °C Stab Class : F	Insects/Frogs 34-44 Traffic 31-46	Inaudible Site Operating	
Night Measurement 1										
Date	Time	LMax	LA10	LAeq	LA90	Criteria LAeq/LAmax	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmax)
08/11/2022	00:20	49	37	36	34	35 / 45	Wind : SE @ 0.5m/s Temp : 13 °C Stab Class : E	Insects/Frogs 33-49	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 2										
Date	Time	LMax	LA10	LAeq	LA90	Criteria LAeq/LAmax	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmax)
08/11/2022	00:35	50	38	37	35	35 / 45	Wind : SE @ 0.5m/s Temp : 13 °C Stab Class : D	Insects/Frogs 33-45 Traffic 30-50	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 3										
Date	Time	LMax	LA10	LAeq	LA90	Criteria LAeq/LAmax	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmax)
08/11/2022	00:50	58	38	36	34	35 / 45	Wind : SE @ 0.5m/s Temp : 13 °C Stab Class : E	Insects/Frogs 33-45 Traffic 30-58	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 4										
Date	Time	LMax	LA10	LAeq	LA90	Criteria LAeq/LAmax	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmax)
08/11/2022	01:05	47	38	37	35	35 / 45	Wind : SE @ 0.5m/s Temp : 13 °C Stab Class : E	Insects/Frogs 34-45 Birds 30-47	Inaudible Site Operating	Inaudible Site Operating

Tomingley Gold Operations - R23										
Day Measurement 1										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	13:20	70	48	49	38	45	Wind : NE @ 1.5m/s Temp : 25 °C Stab Class : A	Wind in Vegetation 35-44 Birds 32-60 Traffic 32-70 Residential Noise 32-38	Inaudible Site Operating	
Day Measurement 2										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	13:35	55	46	43	39	45	Wind : NE @ 1.5m/s Temp : 25 °C Stab Class : B	Wind in Vegetation 33-44 Birds 33-50 Traffic 36-55 Residential Noise <33	Inaudible Site Operating	
Day Measurement 3										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	13:50	58	48	45	38	45	Wind : NE @ 1.5m/s Temp : 25 °C Stab Class : A	Wind in Vegetation 31-40 Birds 31-51 Traffic 34-55 Construction Noise 35-58	Inaudible Site Operating	
Day Measurement 4										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	14:05	64	49	46	37	45	Wind : NE @ 1m/s Temp : 25 °C Stab Class : A	Wind in Vegetation 30-38 Birds 30-50 Traffic 33-56 Construction Noise 30-64	Inaudible Site Operating	
Day Measurement 5										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	14:20	59	46	44	41	45	Wind : NE @ 1m/s Temp : 25 °C Stab Class : A	Traffic 36-59 Birds 36-53 Construction Noise 36-51 Residential Noise 39-48	Inaudible Site Operating	
Day Measurement 6										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	14:35	71	44	45	36	45	Wind : NE @ 1m/s Temp : 25 °C Stab Class : A	Traffic 30-58 Birds 30-71 Residential Noise 33-40	Inaudible Site Operating	
Evening Measurement 1										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	20:39	60	46	45	43	35	Wind : NE @ 0.1m/s Temp : 17 °C Stab Class : E	Insects/Frogs 39-46 Traffic 36-60 Aircraft 40-45	Inaudible Site Operating	
Evening Measurement 2										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
08/11/2022	20:54	54	45	43	39	35	Wind : NE @ 0.1m/s Temp : 17 °C Stab Class : E	Insects/Frogs 36-45 Traffic 35-54	Inaudible Site Operating	
Night Measurement 1										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
08/11/2022	23:04	56	41	39	36	35 / 45	Wind : NE @ 0.1m/s Temp : 15 °C Stab Class : E	Insects/Frogs 32-42 Traffic 30-50 Dogs Barking 40-56	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 2										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
08/11/2022	23:19	45	39	38	36	35 / 45	Wind : NE @ 0.1m/s Temp : 15 °C Stab Class : E	Insects/Frogs 35-45 Traffic 32-45	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 3										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
08/11/2022	23:34	51	39	39	36	35 / 45	Wind : NE @ 0.1m/s Temp : 14 °C Stab Class : D	Insects/Frogs 35-43 Traffic 32-51	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 4										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
08/11/2022	23:49	49	42	40	37	35 / 45	Wind : NE @ 0.5m/s Temp : 14 °C Stab Class : E	Insects/Frogs 36-45 Traffic 33-49	Inaudible Site Operating	Inaudible Site Operating

Tomingley Gold Operations - R23										
Day Measurement 1										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2022	09:59	69	51	49	43	45	Wind : NE @ 2m/s Temp : 22 °C Stab Class : D	Wind in Vegetation 40-51 Birds 37-69 Traffic 37-69 Construction Noise 40-49	Inaudible Site Operating	
Day Measurement 2										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2022	10:14	60	51	48	42	45	Wind : NE @ 1.5m/s Temp : 23 °C Stab Class : C	Wind in Vegetation 38-48 Birds 35-60 Traffic 35-54	Inaudible Site Operating	
Day Measurement 3										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2022	10:29	59	50	47	42	45	Wind : NE @ 1.5m/s Temp : 23 °C Stab Class : C	Wind in Vegetation 39-53 Birds 36-59 Traffic 36-50 Residential Noise <39	Inaudible Site Operating	
Day Measurement 4										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2022	10:44	57	46	44	40	45	Wind : NE @ 1.5m/s Temp : 24 °C Stab Class : C	Wind in Vegetation 37-51 Birds 35-57 Traffic 35-48 Residential Noise <37	Inaudible Site Operating	
Day Measurement 5										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2022	10:59	66	49	47	41	45	Wind : NE @ 1.5m/s Temp : 24 °C Stab Class : C	Wind in Vegetation 39-53 Birds 36-66 Traffic 36-48	Inaudible Site Operating	
Day Measurement 6										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
10/11/2022	11:14	65	48	46	40	45	Wind : NE @ 1.5m/s Temp : 24 °C Stab Class : D	Wind in Vegetation 37-49 Birds 35-58 Traffic 35-65	Inaudible Site Operating	
Evening Measurement 1										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	20:09	63	46	45	42	35	Wind : NE @ 0.1m/s Temp : 20 °C Stab Class : F	Insects/Frogs 40-49 Traffic 37-63	Inaudible Site Operating	
Evening Measurement 2										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq	Mets at ground	Comments	Site Contribution (LAeq15min)	
09/11/2022	20:24	56	45	43	41	35	Wind : NE @ 0.1m/s Temp : 20 °C Stab Class : E	Insects/Frogs 40-48 Traffic 37-56	Inaudible Site Operating	
Night Measurement 1										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
09/11/2022	22:00	52	46	44	41	35 / 45	Wind : NE @ 0.1m/s Temp : 17 °C Stab Class : E	Insects/Frogs 38-48 Traffic 35-52	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 2										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
09/11/2022	22:15	51	44	41	38	35 / 45	Wind : NE @ 0.5m/s Temp : 17 °C Stab Class : E	Insects/Frogs 37-48 Traffic 35-51	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 3										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
09/11/2022	22:30	51	44	42	38	35 / 45	Wind : NE @ 0.5m/s Temp : 17 °C Stab Class : E	Insects/Frogs 37-46 Traffic 35-51	Inaudible Site Operating	Inaudible Site Operating
Night Measurement 4										
Date	Time	LAmix	LA10	LAeq	LA90	Criteria LAeq/LAmix	Mets at ground	Comments	Site Contribution (LAeq15min)	Site Contribution (LAmix)
09/11/2022	22:45	54	46	44	39	35 / 45	Wind : NE @ 1m/s Temp : 17 °C Stab Class : E	Insects/Frogs 37-45 Traffic 35-54	Inaudible Site Operating	Inaudible Site Operating

Note: All noise levels are dBA

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