

Review of Environmental Factors

Addendum



North West Metro Pressure Main REFA

1 Determination

This Review of Environmental Factors Addendum (REFA) assesses potential environmental impacts of North West Metro Pressure Main and was prepared under Division 5.1 of the Environmental Planning and Assessment Act 1979 (EP&A Act), with Sydney Water both the proponent and determining authority.

The Sydney Water Project Manager is accountable for ensuring the proposal is carried out as described in this REFA and the Metro North West Urban Renewal Corridor – Wastewater (March 2021) (approved REF). Additional environmental impact assessment may be required if the scope of work or work methods described in this REFA change significantly following determination.

Decision Statement

The main potential construction environmental impacts of the proposal include noise, vibration, dust, traffic and groundwater impacts. During operation there would be noise impacts when the emergency generator is required during a power outage. This is expected to be a rare occurrence. The proposal will not be carried out in a declared area of outstanding biodiversity value and is not likely to significantly affect threatened species, populations or ecological communities, or their habitats. Therefore, a Species Impact Statement (SIS) or Biodiversity Development Assessment Report (BDAR) is not required.

Given the nature, scale and extent of impacts and implementation of the mitigation measures outlined in this REFA and the approved REF, the proposed work is unlikely to have a significant impact on the environment. Therefore, we do not require an Environmental Impact Statement (EIS) and the proposal may proceed.

Certification



I certify that I have reviewed and endorsed this REFA and, to the best of my knowledge, it is in accordance with the EP&A Act and the Environmental Planning and Assessment Regulations (EP&A Regulation). The proposal has been considered against matters listed in section 171 (Appendix A) and the guidelines approved under section 170 of the EP&A Regulation and the information it contains is neither false nor misleading.

Prepared by:	Reviewed by:	Endorsed by:	Approved by:
[Redacted]			



2 Proposal Summary

Aspect	Detailed description
Proposal location	<p>The proposal is located in the suburb of Rouse Hill within The Hills Shire Local Government Area (LGA). The proposal would be located on both Sydney Water owned land and private property at the following locations:</p> <ul style="list-style-type: none">• Rouse Hill Wastewater Resource Recovery Facility (ST0031), Lot 101 DP829760• Sewer Pumping Station 1022 (SP1022), Lot 5 DP291054.• Private property on Hare Place, Lot 96/DP1269433.
Approved REF	Metro North West Urban Renewal Corridor – Wastewater (March 2021)
Proposal scope	<p>The proposal is part of the Metro Northwest Urban Renewal Corridor (MN Urban Renewal Corridor), a 23km long corridor consisting of eight station precincts along the Sydney Metro Northwest Rail Link. Sydney Water plans to amplify the water and wastewater networks in the MN Urban Renewal Corridor to service an additional 24,000 dwellings, and to amplify the recycled water network to service an additional 16,000 dwellings within the existing Rouse Hill recycled water scheme by 2026.</p> <p>The approved project would involve upgrades and renewal of wastewater infrastructure to service growth in the area.</p>
Proposal change	<p>The proposed change is shown in Figure 1 and includes:</p> <ul style="list-style-type: none">• construction of a DN1000 wastewater pressure main from SP1022 to ST0031 using a tunnel boring machine (TBM) instead of open trenching• installation of an emergency generator at SP1022. This would be used as a back-up power supply for the pumps at SP1022 in case of a power failure during operation of the pumping station• decommissioning of a section of above ground wastewater pipe and replacing it with about 75 metres of below ground DN750 pipe within ST0031. <p>Construction of the pressure main would be via trenchless methods and would require:</p> <ul style="list-style-type: none">• excavation of launch/receival pits at ST0031, Lot 96//DP1269433 and SP1022• a TBM would be used to bore a 1800 mm diameter tunnel. The tunnel would range from a depth of about 3-4 m at the launch and receivals pits to a maximum depth of about 30 m. A jacking pipe would be installed and the DN1000 pressure main would be installed inside the jacking pipe. The cavities between the DN1000 pipe, the jacking pipe and the tunnel edge would be grouted• installation about 64 metres of DN1000 via open trench within the SP1022 property boundary to connect the pressure main to SP1022• compound site at Lot 96//DP1269433 Hare Place, Rouse Hill.



Construction of the pressure main is expected to take about four months.

The DN750 wastewater pipe would be located within ST0031 and would be constructed using open trenching.

Justification for proposal change

The proposed construction method of the pressure main in the approved REF was open trenching. The alignment was planned to be trenched in an existing easement. However, this method would impact more than 30 private properties, with construction required within metres of houses. Sydney Water proposes to underbore the pressure main to avoid trenching through private properties and the associated impacts to residents.

SP1022 does not have a back-up power supply. All pumping stations require two power supplies to maintain operation in the event of a power outage, preventing wastewater overflows. Sydney Water proposes to install an emergency generator at SP1022 as a back-up power supply.

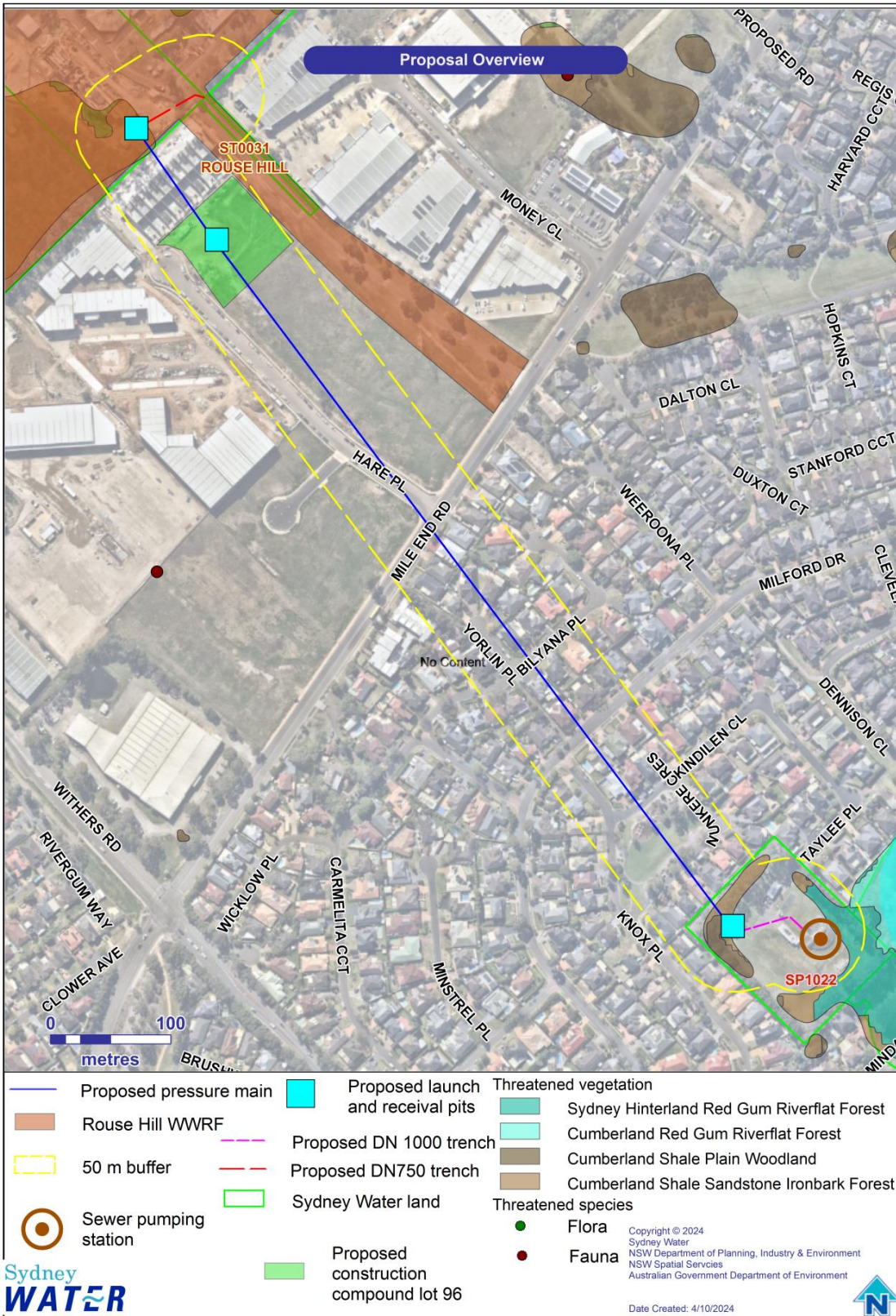


Figure 1 Proposal change

3 Consultation

Sydney Water must consult with councils and other authorities for work in sensitive locations or where the work may impact other agencies infrastructure or land (specified in the State Environmental Planning Policy (Transport and Infrastructure) 2021 (TISEPP)).

Formal consultation with The Hills Shire Council is not required for the proposed works covered by this addendum. Further detail is provided in Appendix B. However, ongoing consultation with The Hills Shire Council would occur during the proposed works. Further detail is provided in Appendix B.

4 Legislative consideration

There are no additional legislative requirements above those already assessed in the approved REF. Section 2.126 of the State Environmental Planning Policy (Transport and Infrastructure) 2021 (TISEPP) permits development by or on behalf of a public authority for sewerage without consent on any land. The proposed change involves the development of a sewerage system in land zoned:

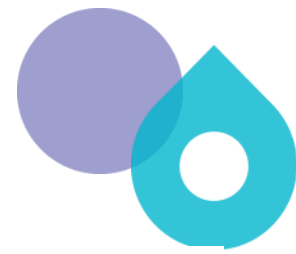
- R2 - Low Density Residential
- E4 - General Industrial.

5 Additional environmental impacts and mitigation measures

The table below lists the additional environmental impacts that could result from the proposed change compared to the approved REF and the additional mitigation measures. All other environmental impacts and mitigation measures identified in the approved REF remain the same and will be incorporated into the contractor's CEMP.

Environmental impacts table

Aspect	Additional impacts	Additional mitigation measures
Topography, geology and soils	The proposed change in construction would reduce the area of ground disturbance. However, excavated would be stockpiled for longer as the TBM launch and receival shafts would be backfilled when tunnelling is completed. A Stockpile Management Plan would be developed to manage stockpiled material for the duration of the work. Due to the tunnelling methodology, it is anticipated stockpiled material will be kept in the construction compound. By adopting the mitigation measures in the approved REF, residual impacts around erosion, sedimentation and stockpile management are expected to be minor.	A Soil and Water Management Plan (SWMP) must be developed. Include a Stockpile Management Plan (SMP) as part of the SWMP to adequately manage any proposed temporary and permanent stockpiles. This will include detail on: <ul style="list-style-type: none">• exact location of stockpiles• minimising stockpile size• height, slopes and batters• preventing mixing and cross contamination• consideration of future maintenance• capping



- erosion and sediment control
- restoration.

The Stockpile Management Plan will be approved by the Sydney Water Project Manager in consultation with the Environmental Representative and Property Portfolio Environmental team.

Water and drainage

Pollutants such as sediment, soil nutrients, construction waste, chemicals, fuels and gross pollutants may enter waterways, particularly during high rain events, which could result in a decline of water quality. Impacts to waterways are anticipated to be generally consistent with the approved REF.

A groundwater assessment was prepared by Arup in March 2024. The assessment estimated that 25.1 ML of groundwater would be extracted during the pressure main construction. Most of the groundwater is expected to be extracted from the tunnel. Sydney Water will obtain a groundwater Water Supply Work Approval before any dewatering takes place. A Water Access Licence will be required, as dewatering will exceed 3 megalitres.

Frac-outs have the potential to occur if drilling fluids find a path to the surface through a fissure in the rock. This is unlikely to happen due to the depth of the pressure main. If frac-out occurs it would result in drilling fluid (eg bentonite) coming to the surface This would be actively managed by pressure monitoring and visual monitoring respectively and other mitigation measures provided in the approved REF.

Apply mitigation measures provided in the approved REF (March 2021), and the following:

- Sydney Water will obtain a groundwater Water Supply Works Approval. As dewatering is >3ML per water year (from 1 July), Sydney Water will also obtain a Water Access Licence from NRAR. The Delivery Contractor is responsible for:
 - preparing a Dewatering Management Plan prior to construction
 - complying with the conditions of the approvals (such as protecting water quality; minimising aquifer extraction volumes, monitoring extraction with flow meters and recording volumes).

Flora and fauna

No additional vegetation removal, from what is described in the approved REF is anticipated. Although the launch/receival pits at ST0031 and SP1022 are in close proximity to mapped threatened ecological communities. The vegetation in the area was cleared as part of the North West Treatment Hub Compliance project. As such, no additional vegetation clearing is required.

Apply mitigation measures provided in the approved REF (March 2021), and the following:

- no vegetation will be cleared around the launch and receival pits.



The proposed changes can be managed using the environmental mitigation measures specified in the approved REF.

Heritage

Aboriginal Heritage

An Aboriginal Heritage Due Diligence (AHDD) was prepared by Kelleher Nightingale Consulting (KNC, 2024) for the Rouse Hill Wastewater Resource Recovery Facility. The report identified a Potential Archaeological Deposit (PAD) on the south eastern boundary of ST0031 extending into Lot 96/DP1269433.

A survey conducted by KNC confirmed that the PAD has been destroyed under a permit and the landform modified as of 2023.

Additionally, a basic AHIMs search was conducted on 25 October 2024 and found no known Aboriginal Heritage items within 200 m of the proposal. The proposal is not located within a high-risk landscape. The works are located on land that has been previously disturbed.

The proposed changes can be managed using the environmental mitigation measures specified in the approved REF.

Non-Aboriginal heritage

There are no non-Aboriginal heritage items located within 200 m of the proposed work and proposed construction compounds. No impacts to non-Aboriginal heritage items are anticipated by the proposed work. The proposed changes can be managed using the environmental mitigation measures specified in the approved REF.

No additional mitigation measures.

Noise and vibration

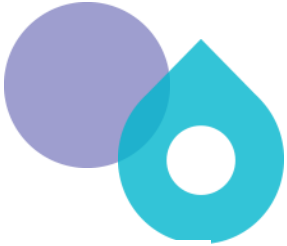

GHD prepared a noise and vibration assessment for the proposed construction of the pressure main and operation of the emergency generator. The assessment is provided in Appendix C and summarised here.

A total of 3,527 receivers were identified in the study area. Properties have been divided into two noise catchment areas (NCAs) for the purpose of accurately reflecting acoustic conditions in the area, with 2,762 residential receivers in NCA1 and 765 residential receivers in NCA2. Noise monitoring was carried out to establish the background noise levels in both NCAs.

Noise and vibration assessment criteria were established using the relevant guidelines, policies and standards. Acoustic modelling was undertaken using 3D noise modelling software to predict the effects of construction

Apply mitigation measures provided in the approved REF (March 2021), and the following:

- A minimum of 3 metre high temporary noise barriers will be constructed around compound sites including the construction compounds and TBM launch and receival pits or alternative noise mitigation that achieves a similar noise attenuation to the noise barriers
- Noise barriers will be installed around noisy plant where



noise generated by the proposed construction works associated with the proposal.

Construction noise

Two scenarios were used to assess construction noise impacts:

- site mobilisation/demobilisation (standard hours)
- construction activities including tunnelling (24 hours drilling, seven days per week) and open trenching. TBM drilling is anticipated to be more than 10 metres below ground and airborne noise from the TBM is not anticipated at residences along the alignment. Noise from sources at the TBM launch/receival areas have been considered as part of this assessment.

Tunnelling work is planned to be carried out during standard hours. Twenty-four hour tunnelling is assessed in case drilling hours need to be extended.

Potential impacts

Construction has the potential to generate noise and vibration at sensitive receivers. The potential noise levels at sensitive receivers were predicted based on typical construction equipment and activities. Noise and vibration impacts were assessed as follows:

Site establishment

During site establishment it is predicted that multiple residential receivers would exceed the standard hours noise management levels (NML). However, these activities will be short-term. Any associated impacts would be manageable through the implementation of appropriate mitigation measures.

Construction activities

Noise modelling predicts that a high number of residential receivers would be impacted without implementing noise mitigation measures. The predictions are a worst-case scenario with all plant operating concurrently.

The noisiest activity is excavation of pits (including piling) at SP1022. The highest predicted noise levels would occur at residential receivers situated adjacent to SP1022. Without mitigation these activities are predicted to reach a noise level of 103 dB(A) and potentially impact 2,222 receivers. Most residential receivers are predicted to experience noise levels in the 1 to 10 dB range above the NMLs.

practicable (in addition to the 3m high barriers).

- The contractor will use a piling method at the launch and receival pits to minimise noise. Noisy impact piling will be avoided..
- Where noise levels are predicted to exceed 75 dB(A) the proponent should communicate with the impacted residents clearly explaining the duration and noise level of the works and inform the residents of any respite periods
- Targeted engagement will be carried out by the project communications team. This will include:
 - Door knocks on residences and businesses within 50 m of the tunnelling alignment and all properties bordering SP1022
 - Letterbox drop or notification to other properties above the noise management level
 - Community information sessions.
- Monitor compliance with the recommended vibration levels in DIN 4150-3 1999: Structural Vibration – Part 3; Effects of vibration on structures
- Determine an upper level for noise impact (operation of back up generator) following the implementation of practicable noise mitigation.

This activity would occur during standard daytime hours and is expected to be completed in about three weeks. With the implementation of a 3 m noise barrier around the receival pit, mitigated noise levels would reduce to 82 dB(A) potentially impacting 559 receivers.

This will be confirmed during detailed design.

Spoil would be stockpiled at the construction compound for daytime removal. Predicted noise levels are provided in Table 1.

Table 1 Noise impacts from tunnelling - affected residential and commercial receivers

	ST0032	Lot 96	SP1022
Day exceedances	342 receivers	523 receivers	2830 receivers
Night exceedances	990 receivers	1393 receivers	N/A receival pit.

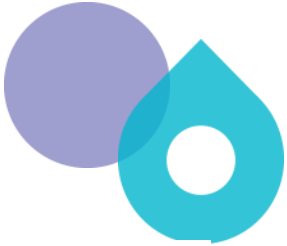

The majority of exceedances during nighttime are predicted to be between 1-15 dB, which would be clearly audible. Some residents are predicted to experience nighttime exceedances between 15-25 dB, which would be moderately intrusive:

- 63 receivers due to work at ST0031
- 102 receivers due to work at Lot 96.

Construction of a similar 3 m high noise barrier would be used at both launch/receival pits located at ST0031 and Lot 96. Avoiding noisy impact piling would also substantially reduce the noise impacts. With the implementation of the mitigation measures, impacts to noise can be adequately managed.

Ground borne noise

Ground borne noise relates to the component of vibration transmitted through the ground into the structure and radiated as noise. The tunnelling rate is expected to be around 10-15 m per day. This rate is highly dependent on ground conditions. Impact to any one receiver is expected to be for around 10 days when tunnelling is during standard hours. This duration may be reduced if 24 hour drilling is used. Ground borne noise would increase as the TBM approaches the receiver (below ground), peak for the few days that it is directly below the property and reduce as it progress away from the receiver.



Reasonable and feasible ground borne noise mitigation measures have been recommended, which would minimise impacts at potentially impacted receivers.

The predicted construction noise contours for the above construction scenarios are provided in the noise and vibration assessment in Appendix C.

Road traffic noise impacts

Traffic on local roads would be managed in accordance with a traffic management plan (TMP), which would be prepared by the contractor. The TMP would detail specific routes that construction traffic and local traffic would follow throughout the construction phase. Construction traffic on local roads may increase noise levels by more than 2 dB over existing road traffic noise levels during peak truck movements. Truck movements would be limited to standard hours where practicable. Sydney Water would develop a community engagement plan to ensure that the local community receives advance notification of the proposed work.

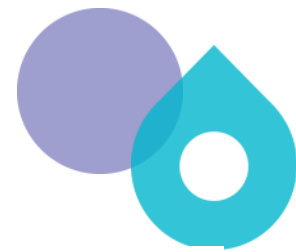
Vibration impacts

A safe working distance for vibration generating activities has been established and the results are shown in Table 4.10 of Appendix C. Structural damage criteria are not expected to be exceeded at any sensitive receiver.

About 24 properties lie within 50 meters of proposed construction works at the receival site, where the human comfort criterion has the potential to be exceeded. Mitigation measures have been identified should works occur within the safe working distance.

Operation

The new pressure main would not impact operational noise. An emergency generator would be installed to power the pumping station during power outages. Outages would be rare and the generator is expected to operate for a maximum of about 48 hours during an outage. An acoustic barrier would be used to mitigate noise impacts. The type of barrier would be identified during detailed design. However, about 24 residential receivers are predicted to be noise affected when the generator operates. As per the Industrial noise policy (EPA 2000), significant mitigation is considered impractical for these short term, infrequent events. During detailed design Sydney Water will determine the upper level for noise impact with the implementation of practicable mitigation measures.



Summary

The proposed work would result in noise impacts for sensitive receivers. However, the predicted noise levels are considered to be a worst case scenario. If nighttime tunnelling is used more sensitive receivers would be impacted.

The noise impacts are higher at the SP1022 site due to the number of sensitive receivers beside the pumping station. However, the proposed mitigation measures, including noise barriers and alternative construction methods, substantially reduce the predicted noise levels. Sydney Water and the delivery contractor will engage with the local community before and during the project to keep the community informed of the work.

Air and energy

The change in construction method means that excavation is confined to three locations and larger stockpiles would be needed for the duration of tunnelling. This means that less receivers would be directly affected by dust for excavation compared to trenching. However, stockpiles have potential to be an ongoing source of dust if not properly managed. The Stockpile Management Plan would include measures for managing dust.

The Stockpile Management plan must include measures to managed dust.

By adopting the mitigation measures in the approved REF, residual impacts are expected to be minor.

Waste and hazardous materials

Contamination testing was carried out at all launch and receival pits. No ground contamination was found. However, there is still potential to encounter unexpected contamination during construction of the pressure main. This would be managed in accordance with the mitigation measures in the approved REF. All material used for access roads and hardstand areas would be certified clean material on arrival to site. However, there is potential for some material to be contaminated from minor leaks and spills during construction of the approved project.

No additional mitigation measures.

Traffic and access

Traffic and access impacts are anticipated to be generally consistent with the approved REF. However, the movement of excavated material from the TBM receival pit at SP1022 to the compound site on Hare Close would result in truck movements in residential streets. This has potential to impact local traffic. Traffic control would be required in areas, additional to those assessed in the approved REF. Truck movements would generally be limited to standard hours to minimise disruption to residents. With the implementation of the mitigation

No additional mitigation measures.



measures in the approved REF, impacts to traffic and access can be adequately managed, and residual impacts can be effectively managed.

Social and visual

The use of tunnelling would reduce the visual impact compared to trenching through residential areas. The locations of the launch and receival pits are not expected to result in visual impacts as there are few receivers around ST0031 and Lot 96 and SP1022 is screened by existing trees.

Noise and traffic impact to the community are assessed above. Additional impacts to the community are not anticipated.

No additional mitigation measures.

Cumulative and future trends

Cumulative impacts from the Metro North West Urban Renewal Corridor – Wastewater (March 2021) have been assessed in the approved REF. Future trends such as climate change indicate that flood events are expected to occur more frequently and in higher intensity. Part of the proposed works are located within the 100-year ARI flood event. However, given that the works would be constructed in the short-term future, the impact of climate change induced flooding risk during construction is negligible.

No additional mitigation measures.

6 Conclusion

This REFA outlines potential environmental impacts associated with Northwest Metro Pressure Main as part of the Metro North West Urban Renewal Corridor – Wastewater. Any additional environmental impacts are considered minor and potential impacts can be mitigated through implementation of the measures outlined in this REFA and the approved REF. The proposal is not likely to significantly impact the environment.

Appendix A – Section 171 checklist

Requirements in addition to the approved REF are considered in the table below.

Section 171 checklist	REF finding
Any environmental impact on a community	There may be short-term impacts on the community from noise, vibration, dust and traffic. During operation there would be noise impacts when the generator is required during a power outage. This is expected to be a rare occurrence. There will be environmental improvements by providing a reliable wastewater service to the local community.
Any transformation of a locality	The proposal will not result in the transformation of a locality.
Any environmental impact on the ecosystems of the locality	The proposal will not result in environmental impacts to ecosystems of the locality. The proposal will lead to environmental improvements by ensuring a reliable wastewater service to collect and treat wastewater, minimising any impacts on the ecosystem
Any reduction of the aesthetic, recreational, scientific or other environmental quality or value of the locality	The proposal will not reduce the aesthetic, recreational, scientific or other environmental quality or value of the locality.
Any effect upon a locality, place or building having aesthetic, anthropological, archaeological, architectural, cultural, historical, scientific or social significance or any other special value for present or future generations	The proposal will not have any effect upon a locality, place or building having aesthetic, anthropological, archaeological, architectural, cultural, historical, scientific or social significance or any other special value for present or future generations.
Any impact on the habitat of any protected animals (within the meaning of the <i>Biodiversity Conservation Act 2016</i>)	The proposal will not have any impact on the habitat requirements of protected animals.
Any endangering of any species of animal or plant or other form of life, whether living on land, in water or in the air	The proposal will not be endangering any species of animal, plant or other form of life, whether living on land, in water or in the air.
Any long-term effects on the environment	The proposal will not have any long-term impacts on the environment but will have a long-term benefit by providing a reliable and modern wastewater service for the area.
Any degradation of the quality of the environment	The proposal will not cause the degradation of the quality of the environment
Any risk to the safety of the environment	The proposal will not increase risk to the safety of the environment

Any reduction in the range of beneficial uses of the environment

The proposal will not reduce the range of beneficial uses of the environment.

Any pollution of the environment

Environmental mitigation measures will mitigate the potential for the proposal to pollute the environment. The proposal will operate in accordance with EPL 4965.

Any environmental problems associated with the disposal of waste

Waste disposal will be in accordance with the environmental mitigation measures, and no environmental problems associated with the disposal of waste are expected.

Any increased demands on resources (natural or otherwise) that are, or are likely to become, in short supply

The proposal will not increase demand on resources, that are, or are likely to become, in short supply.

Any cumulative environmental effect with other existing or likely future activities

The proposal will not have any cumulative environmental effect with other existing or likely future activities.

Any impact on coastal processes and coastal hazards, including those under projected climate change conditions

The proposal will not have any impact on coastal processes or hazards, and coastal processes and coastal hazards will not have any impact on the proposed activity.

Any applicable local strategic planning statements, regional strategic plans or district strategic plans made under the EP&A Act, Division 3.1

The proposal is to service growth and the applicable strategic planning statements or plans have been considered in the system planning and options selection process.

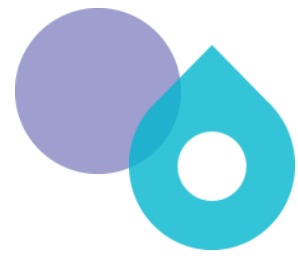
North West Rail Link Corridor Strategy identifies that the predicted growth within the metro railway corridor. The proposal provides wastewater infrastructure to support growth and is consistent with the strategy.

Any other relevant environmental factors.

The proposal has been assessed against the factors listed above, and there are no other relevant environmental factors to consider.

Appendix B – Consideration of TISEPP consultation

TISEPP section	Yes	No
Section 2.10, council related infrastructure or services – consultation with council		
Will the work:		
Potentially have a substantial impact on stormwater management services provided by council?		x
Be likely to generate traffic that will strain the capacity of the road system in the LGA?		x
Connect to, and have a substantial impact on, the capacity of a council owned sewerage system?		x
Connect to, and use of a substantial volume of water from a council owned water supply system?		x
Require temporary structures on, or enclose, a public space under council's control that will disrupt pedestrian or vehicular traffic that is not minor or inconsequential?		x
Excavate a road or a footpath adjacent to, a road for which the council is the roads authority that is not minor or inconsequential?		x
Section 2.11, local heritage – consultation with council		
Is the work likely to affect the heritage significance of a local heritage item, or of a heritage conservation area (not also a State heritage item) more than a minor or inconsequential amount?		x
Section 2.12, flood liable land – consultation with council		
Will the work be on flood liable land (land that is susceptible to flooding by the probable maximum flood event) and will works alter flood patterns other than to a minor extent?		x
Section 2.13, flood liable land – consultation with State Emergency Services		
Will the work be on flood liable land (land that is susceptible to flooding by the probable maximum flood event) and undertaken under a relevant provision*, but not the carrying out of minor alterations or additions to, or the demolition of, a building, emergency works or routine maintenance? * (e) Div.14 (Public admin buildings), (g) Div. 16 (Research/ monitoring stations), (i) Div. 20 (Stormwater systems)?		x
Section 2.14, development with impacts on certain land within the coastal zone– council consultation		
Is the work on land mapped as coastal vulnerability area and inconsistent with a certified coastal management program?		x
Section 2.15, consultation with public authorities other than councils		
Will the proposal be on land adjacent to land reserved under the <i>National Parks and Wildlife Act 1974</i> or to land acquired under Part 11 of that Act? <i>If so, consult with DPIE (NPWS).</i>		x
Will the proposal be on land in Zone E1 National Parks and Nature Reserves or on a land use zone that is equivalent to that zone? <i>If so, consult with DPIE (NPWS)</i>		x
Will the proposal include a fixed or floating structure in or over navigable waters? <i>If so, consult TfNSW</i>		x
Will the proposal be on land in a mine subsidence district within the meaning of the <i>Coal Mine Subsidence Compensation Act 2017</i> ? <i>If so, consult with Subsidence Advisory NSW.</i>		x
Will the proposal be on land in a Western City operational area specified in <i>the Western Parkland City Authority Act 2018</i> , Schedule 2 and have a capital investment value of \$30 million or more? <i>If so, consult the Western Parkland City Authority.</i>		x
Will the proposal clear native vegetation on land that is not subject land (ie non-certified land)? <i>If so, notify DPIE at least 21 days prior to work commencing. (Requirement under s3.24 Chapter 3 Sydney Region Growth Centres - of the SEPP (Precincts – Central River City) 2021).</i>		x



Appendix C – Specialist studies (Noise)





Northwest Metro Pressure Main

Noise and Vibration Impact Assessment

Sydney Water Corporation

19 September 2024

→ The Power of Commitment



Project name		Sydney Water CNVIA: North West Metro Pressure Main between SP1022 and Rouse Hill WWTP					
Document title		Northwest Metro Pressure Main Noise and Vibration Impact Assessment					
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S4	0						05/03/2024
S4	1						13/03/2024
S4	2						19/09/2024

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Executive Summary

Sydney Water has engaged GHD to assess the noise and vibration impacts from proposed upgrade works located at Rouse Hill NSW. The proposal is part of the Sydney Metro Northwest Urban (MNU) Renewal Corridor, a 23 km long corridor along the Sydney Metro North West Rail Link. The main components of this project are site mobilisation, tunnelling and pipeline installation activities and site demobilisation which would occur at the Rouse Hill Water Resource Recovery Facility, Lot 96 and the SP1022 sites.

This noise and vibration assessment forms part of the Review of Environmental Factors (REF) under Part 5 of the Environmental Planning and Assessment Act 1979 and EP&A Act. A summary of predicted construction noise and vibration impacts for each site is provided below.

Construction noise impacts

Noise from the construction activities at the Rouse Hill Water Resource Recovery Facility and Lot 96 is predicted to reach up to 58 dBA, primarily during excavation and tunnelling. The exceedances of the noise management levels during standard hours are limited. During the tunnelling activities, which would occur outside of the standard hours, significant impacts are anticipated at residential receivers. Most exceedances fall within 1-15 dB above NMLs, with some experiencing 15-25 dB over NMLs at night.

The construction activities at the SP1022 site are predicted to significantly impact sensitive receivers. Works at this site would be undertaken within standard hours. Several receivers are predicted to be highly noise affected during multiple construction scenarios. As such, the following mitigation measures were investigated to quantify the reduction in noise impacts:

- Installation of a 3-metre-high temporary noise barrier along the northern, western and southern edge of the SP1022 site.
- Implementation of bored piling instead of impact piling at the SP1022 site.

Noise predictions show that the number of impacted receivers reduce significantly when both mitigation measures are implemented.

Impacts from site mobilisation and demobilisation are anticipated to be relatively short-term, whereas tunnelling activities would last over several months and include nighttime works. The implementation of the provided mitigation measures in Section 6, particularly during nighttime works, would be key to manage and minimise impacts to sensitive receivers.

Construction road traffic noise impacts

A traffic management plan would be prepared by the contractor, which would be used to manage traffic on local roads. The traffic management plan would detail specific routes that construction traffic would follow throughout the construction phase. Construction traffic on local roads may increase noise levels by more than 2 dB over existing road traffic noise levels during period of peak traffic movements. Noise management measures should be included as part of the traffic management plan for these roads.

Construction vibration impacts

Several receivers are located within the human comfort safe working distances and could be impacted by vibrations from the construction of the project. Mitigation measures have been provided in Section 6 to minimise potential impacts.

No residential receivers are located within the cosmetic damage safe working distances and therefore no adverse cosmetic damage impacts are anticipated.

Construction ground-borne noise

Ground borne noise from tunnelling activities is expected to impact approximately 52 residential receivers.

Operational noise impacts

Operational noise from the project would be limited to a generator operating during emergency situations. As the generator would not be operational during normal operating conditions, no adverse noise impacts are anticipated from the operation of the project. Nonetheless, potential mitigation measures have been provided in Section 6.

Conclusion

The proposed works are anticipated to impact sensitive receivers, especially outside of the standard construction hours. Recommended mitigation measures would be implemented to reduce noise and vibration impact of the project, especially during nighttime works and at the SP1022 site.

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Appendix G Operational noise impact contours

1. Introduction

Sydney Water proposes upgrades to its wastewater assets in the Hills Shire Council Local Government Area to meet growing wastewater service demands in the Sydney Metro Northwest Urban (MNU) Renewal Corridor. The MNU Renewal Corridor is a 23 km long corridor consisting of eight station precincts along the Sydney Metro North West Rail Link. Sydney Water plans to amplify the water and wastewater networks in the MNU Renewal Corridor to service an additional 24,000 dwellings, and to amplify the recycled water network to service an additional 16,000 dwellings within the existing Rouse Hill recycled water scheme by 2026.

The project would involve upgrade and renewal of wastewater infrastructure to service growth in the area. The main components of this project are:

- Excavation of launch and receival pits. These pits would be 8 m long and 6 m wide
- Installation of a wastewater pressure main about 820 metres in length. The pressure main would be constructed via a tunnel boring machine. This would connect pumping station SP1022 to Rouse Hill Water Recycling Plant
- Installation of approximately 64 m of DN1000 via open trench within the SP1022 property boundary
- Installation of a back-up generator at SP1022.

1.1 Scope of works

The following scope of works have been undertaken as part of this assessment:

- Review of available data and information required to prepare a noise and vibration assessment
- Unattended background noise monitoring for a period of eight days
- Development of construction noise management levels and operational noise criteria based on the background noise monitoring levels
- Establishment of noise modelling scenarios based on the construction noise methodology, including equipment use, the location of construction activities and traffic movement routes
- Assessment of construction noise and vibration levels based on modelling undertaken in SoundPLAN
- Assessment of increase in road traffic noise levels associated with construction traffic movements
- Assessment of operational noise levels based on modelling undertaken in SoundPLAN
- Development of GIS figures illustrating noise level exceedances experienced at surrounding sensitive receivers
- Preparation of a results spreadsheet detailing noise exceedances at each sensitive receiver
- Identification of reasonable and feasible construction noise and vibration management measures where impacts are identified
- Preparation of a noise and vibration impact assessment (this report).

1.2 Limitations

This report: has been prepared by GHD for Sydney Water Corporation and may only be used and relied on by Sydney Water Corporation for the purpose agreed between GHD and Sydney Water Corporation as set out in section 1.1 of this report.

GHD otherwise disclaims responsibility to any person other than Sydney Water Corporation arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

2. Existing environment

2.1 Sensitive receivers

The study area for the project is located approximately 33 km northwest of Sydney central business district and falls within the suburb of Rouse Hill. The location of the project and the sensitive receivers in the surrounding area is shown in Appendix A.

Noise sensitive receivers are defined based on the type of occupancy and the activities performed in the land use. Sensitive noise receivers could include:

- Residences
- Classrooms
- Hospitals
- Places of worship
- Passive recreation areas such as outdoor grounds used for teaching
- Active recreation areas such as parks and sports grounds.

The nearest sensitive receivers potentially impacted by construction of the project are suburban residential receivers directly adjacent to the project site. Other land uses in the vicinity of the project that may be potentially impacted by construction noise impacts include Rouse Hill public school, Rouse Hill Preschool Kindergarten, and various commercial and industrial premises.



A total of 3,527 receivers have been identified in the study area. Properties have been divided into two noise catchment areas (NCAs) for the purpose of accurately reflecting acoustic conditions on site, with 765 receivers in NCA1 and 2,762 receivers in NCA2. Sheds have been excluded, based on a review of aerial imagery, to the extent practicable.

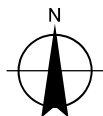
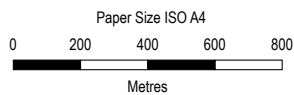
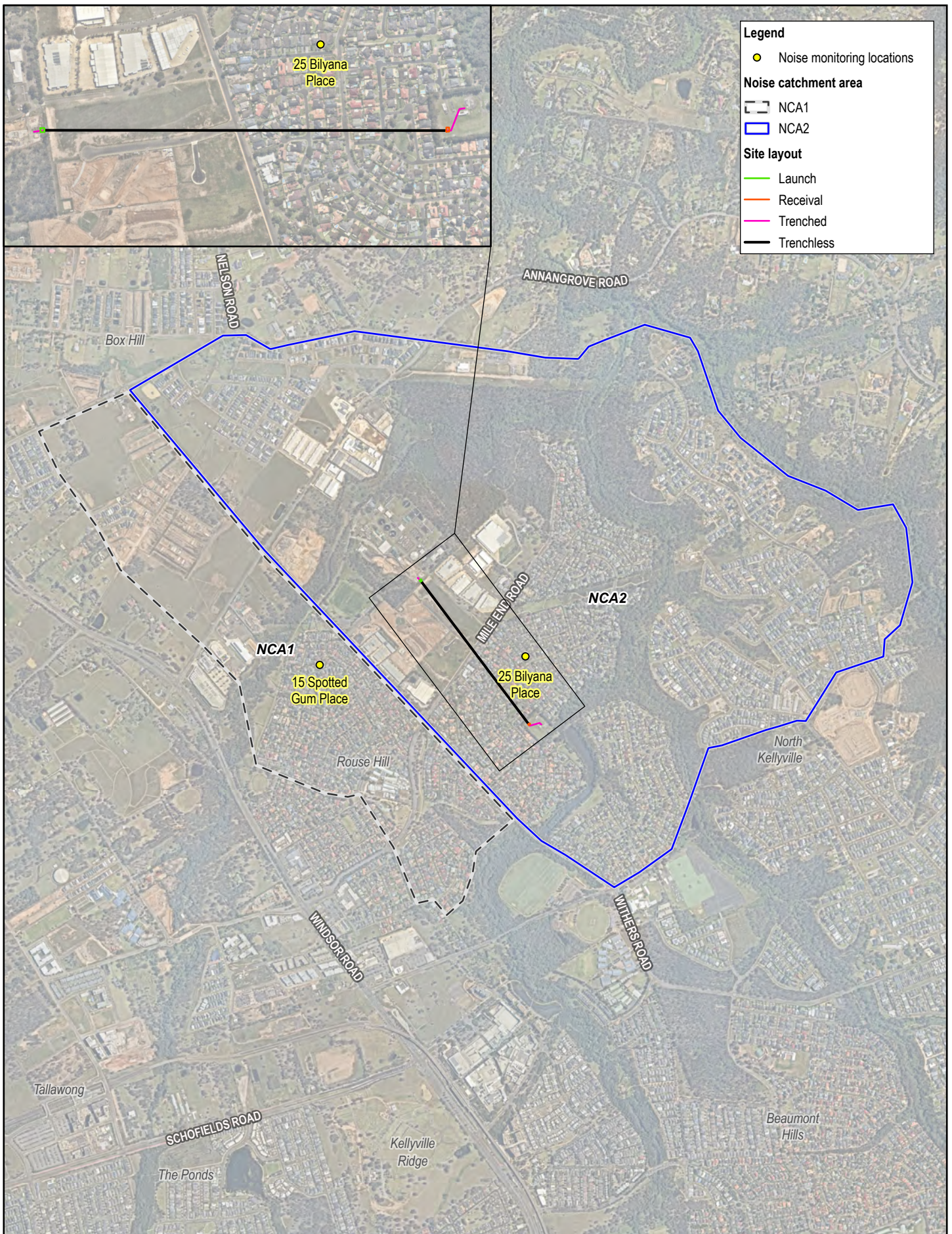
2.2 Existing noise environment

Background noise monitoring was undertaken at two representative residential receivers (Figure 2.1). The methodology for the noise monitoring program included the following:

- All noise loggers were programmed to accumulate L_{A90} , L_{A10} and L_{Aeq} noise descriptors across 15-minute intervals continuously over the entire monitoring period. Details of monitoring equipment are provided in Table 2.1
- A calibration check was performed on the noise monitoring equipment using a sound level calibrator. At completion of the measurements, the meters' calibration was re-checked to ensure the sensitivity of the noise monitoring equipment had not varied
- All monitoring activities were undertaken with consideration of the specifications outlined in Australian Standard AS1055 (1997) *Description and Measurement of Environmental Noise*
- Noise monitoring was undertaken from Wednesday 13 December 2023 to Thursday 21 December 2023
- All monitoring was carried out in the free field with microphones positioned at a height of 1.5 metres above the ground
- The data collected by the loggers was downloaded and analysed, and any invalid data removed. Invalid data generally refers to periods of time where average wind speeds were greater than 3 m/s at ground level (5 m/s at a height of 10 meters above the ground), or when rainfall occurred.
- Meteorological data was sourced from the Bureau of Meteorology's Penrith Lakes AWS station (67113), which is approximately 23 km west-south-west from the monitoring sites. Data from the closer (approximately 16 km north-west from the monitoring sites) Richmond RAAF station (67105) was examined, however data from the Penrith Lakes AWS station was found to be more consistent with observations made on site.

Table 2.1 *Unattended noise monitoring details*

Location	Equipment details	Equipment settings	Site Photo
Site 1 – 15 Spottedgum Place, Rouse Hill NSW 2155 (Noise catchment area 1)	Rion NL52 Type 1 SN: 0131632	A-weighted Fast time response 15 minute intervals Pre and post calibration variation: -0.1 dB(A)	
Site 2 25 Bilyana Place Rouse Hill NSW 2155 (Noise catchment area 2)	Rion NL 52 Type 1 SN: 0131629	A-weighted Fast time response 15 minute intervals Pre and post calibration variation: 0.2 dB(A)	



Sydney Water
 Northwest Metro Pressure Main
 Construction Noise and Vibration Impact Assessment

Noise catchment areas and noise monitoring locations in relation to proposed works

Project No. 12625426
 Revision No. 0
 Date 4/03/2024

FIGURE 2.2

2.3 Noise monitoring results

A summary of the calculated background L_{A90} (day, evening and night) and ambient L_{Aeq} (day, evening and night) noise levels at the two unattended logger locations is provided in Table 2.2 and Table 2.3. The data was processed in accordance with the *Noise Policy for Industry* (NPfI) (EPA, 2017), with periods corresponding to adverse weather conditions excluded.

Table 2.2 Site 1 15 Spottedgum place unattended noise monitoring results

Date	Background $L_{A90(15 \text{ min})}$ Noise levels, dB(A)			Ambient $L_{Aeq(15 \text{ min})}$ Noise Levels, dB(A)		
	Day (7 am to 6 pm)	Evening (6 pm to 10 pm)	Night (10 pm to 7 am)	Day (7 am to 6 pm)	Evening (6 pm to 10 pm)	Night (10 pm to 7 am)
Wednesday-13-Dec-23	42	40	32	53	54	59
Thursday-14-Dec-23	47	43	25	57	52	46
Friday-15-Dec-23	38	37	30	53	52	48
Saturday-16-Dec-23	41	39	24	54	52	48
Sunday-17-Dec-23	37	32	27	54	51	47
Monday-18-Dec-23	39	37	24	53	51	46
Tuesday-19-Dec-23	42	40	31	55	52	51
Wednesday-20-Dec-23	42	36	26	57	53	51
Thursday-21-Dec-23	41	40	26	57	53	49
RBL	41	39	26 (30)¹	N/A	N/A	N/A
L_{Aeq} (period)	N/A	N/A	N/A	55	52	52

Note 1: Measured RBLs are below the NPfI minimums; therefore recommended minimums have been adopted.

Table 2.3 Site 2 25 Bilyana road unattended noise monitoring results

Date	Background $L_{A90(15 \text{ min})}$ Noise levels, dB(A)			Ambient $L_{Aeq(15 \text{ min})}$ Noise Levels, dB(A)		
	Day (7 am to 6 pm)	Evening (6 pm to 10 pm)	Night (10 pm to 7 am)	Day (7 am to 6 pm)	Evening (6 pm to 10 pm)	Night (10 pm to 7 am)
Wednesday-13-Dec-23	31	36	28	50	50	56
Thursday-14-Dec-23	37	40	27	51	48	44
Friday-15-Dec-23	33	35	24	48	47	44
Saturday-16-Dec-23	35	37	23	54	49	44
Sunday-17-Dec-23	29	32	24	48	52	42
Monday-18-Dec-23	31	33	26	47	62	41
Tuesday-19-Dec-23	33	34	35	47	47	49
Wednesday-20-Dec-23	43	39	29	53	45	44
Thursday-21-Dec-23	42	40	29	49	48	43
RBL	34	36 (34)¹	27 (30)²	N/A	N/A	N/A
L_{Aeq} (period)	N/A	N/A	N/A	50	54	49

Note 1: Evening RBLs are greater than day RBLs. In accordance with the NPfI, the day RBLs have been adopted for the evening period.
Note 2: Measured RBLs are below the NPfI minimums; therefore recommended minimums have been adopted.

3. Assessment criteria

3.1 Construction noise criteria

Construction noise management levels at sensitive residential receivers are provided in Table 3.1. The construction noise management levels during recommended standard hours (Monday to Friday: 7 am to 6 pm, Saturday: 8 am to 1 pm and no work on Sundays or public holidays) represent a noise level that, if exceeded, would require management measures including:

- Reasonable and feasible work practices
- Contact with the residences to inform them of the nature of works to be carried out, the expected noise levels, durations and contact details.

The management measures are aimed at reducing noise impacts at the residential receivers. However, it may not be reasonable and feasible to reduce noise levels to below the noise affected management level. The noise affected construction noise management levels during recommended standard hours are not intended as a noise limit but rather a level where noise management is required and as such should not be included as a noise limit in the environmental protection license or Consent Condition.

The *Interim Construction Noise Guideline* (ICNG) (DECC, 2009) acknowledges that the following activities have justification to be undertaken outside the recommended standard construction hours assuming that all reasonable and feasible mitigation measures are implemented to minimise the impacts to the surrounding sensitive land uses:

- The delivery of oversized plant or structures that police or other authorities determine to require special arrangements to transport along public roads.
- Emergency work to avoid the loss of life or damage to property, or to prevent environmental harm.
- Works where a proponent demonstrates and justifies a need to operate outside the recommended standard construction hours.
- Works which maintain noise levels at receivers to below the noise management levels outside of the recommended standard construction hours.

Table 3.1 Residential construction noise management levels

Time of day	Noise management levels $L_{Aeq(15\ min)}$	Application notes
Recommended standard hours	Noise affected RBL + 10 dB(A)	The noise affected level represents the point above which there may be some community reaction to noise. Where the predicted or measured $L_{Aeq(15\ min)}$ is greater than the noise affected level, the proponent should apply all feasible and reasonable work practices to meet the noise affected level. The proponent should also inform all potentially impacted residents of the nature of works to be carried out, the expected noise levels and duration, as well as contact details.
	Highly noise affected: 75 dB(A)	The highly noise affected level represents the point above which there may be strong community reaction to noise. Where noise is above this level, the relevant authority (consent, determining or regulatory) may require respite periods by restricting the hours that the very noisy activities can occur, taking into account: 1. Times identified by the community when they are less sensitive to noise (such as before and after school, or mid-morning or midafternoon for works near residences) 2. If the community is prepared to accept a longer period of construction in exchange for restrictions on construction times.
Outside recommended standard hours	Noise affected RBL + 5 dB(A)	A strong justification would typically be required for works outside the recommended standard hours. The proponent should apply all feasible and reasonable work practices to meet the noise affected level.

Time of day	Noise management levels $L_{Aeq(15\text{ min})}$	Application notes
		Where all feasible and reasonable measures have been applied and noise is more than 5 dB(A) above the noise affected level, the proponent should negotiate with the community.

3.1.1 Construction noise management levels

A summary of the construction noise management levels is presented in Table 3.2 below. In summarising the potential construction-related noise impacts to sensitive receivers within the study area, the approach from the *Construction Noise and Vibration Guideline* (CNVG) (TfNSW, 2023) has been adopted. A perception category is assigned to each receiver based on the difference between predicted noise levels and the NML. The noise perception categories from the CNVG are outlined in Table 3.3 below.

Table 3.2 Project noise management levels

Receiver type	Construction noise management levels, $L_{Aeq(15\text{ min})}$ dB(A)				
	Standard recommended hours		Outside recommended hours		
	Noise affected	Highly noise affected	Day	Evening	Night
NCA1	51	75	46	44	35
NCA2	44	75	39	39	35
Educational Facilities	55 (external) – when in use ¹				
Active recreation areas	65 (external) – when in use				
Passive recreation areas	60 (external) – when in use				
Places of worship	55 (external) – when in use ¹				
Commercial	70 (external) – when in use				
Industrial	75 (external) – when in use				
Note 1: Based on 10 dB attenuation through an open window to achieve an internal level of 45 dBA					

Table 3.3 Construction noise perception categories

Noise perception category	Noise level range above NML	
	Standard hours	Outside standard hours – day, evening and night
Noticeable	Not applicable	1 dBA to 5 dBA above NML
Clearly audible	1 dBA to 10 dBA above NML	5 dBA to 15 dBA above NML
Moderately intrusive	10 dBA to 20 dBA above NML	15 dBA to 25 dBA above NML
Highly intrusive	More than 20 dBA above NML	More than 25 dBA above NML

3.1.2 Sleep disturbance

The NPfI recommends a detailed maximum noise level event assessment be undertaken where night-time noise levels from a development exceed the following levels when assessed externally at the nearest residential location:

- $L_{Aeq(15\text{ min})}$ 40 dB(A) or the prevailing RBL + 5 dB(A) (whichever is greater); and/or
- L_{AFmax} 52 dB(A) or the prevailing RBL + 15 dB(A) (whichever is greater).

3.2 Construction vibration criteria

3.2.1 Human comfort

Vibration is assessed based on the criteria in *Assessing Vibration: a technical guideline* (DEC, 2006). British Standard (BS) 6472 – 2008, *Guide to Evaluation of Human Exposure to Vibration in Buildings (1 Hz to 80 Hz)* is recognised by the guideline as the preferred standard for assessing the ‘human comfort criteria’. Intermittent vibration is assessed using the vibration dose value. Acceptable values of vibration dose are presented in Table 3.4 for sensitive receivers.

Whilst the assessment of response to vibration in BS 6472-1:1992 is based on vibration dose value and weighted acceleration, for construction related vibration, it is considered more appropriate to provide guidance in terms of a peak particle velocity, since this parameter is likely to be more routinely measured based on the more usual concern over potential building damage.

Humans are capable of detecting vibration at levels which are well below those causing risk of damage to a building. The degrees of perception for humans are suggested by the vibration level categories given in *BS 5228.2 – 2009, Code of Practice Part 2 Vibration for noise and vibration on construction and open sites – Part 2: Vibration*, as shown below in Table 3.5

Table 3.4 Human comfort intermittent vibration dose values (BS 6472-1992)

Receiver type	Period	Intermittent vibration dose value (m/s ^{1.75})	
		Preferred value	Maximum value
Residential	Day	0.2	0.4
	Night	0.13	0.26
Educational institute	When in use	0.4	0.8

Table 3.5 Guidance on effects of vibration levels for human comfort (BS 5228.2 – 2009)

Vibration level	Effect
0.14 mm/s	Vibration might be just perceptible in the most sensitive situations for most vibration frequencies associated with construction.
0.3 mm/s	Vibration might be just perceptible in residential environments.
1.0 mm/s	It is likely that vibration at this level in residential environments will cause complaints, but can be tolerated if prior warning and explanation has been given to residents.
10 mm/s	Vibration is likely to be intolerable for any more than a very brief exposure.

3.2.2 Cosmetic damage

Currently, there is no Australian Standard that sets criteria for the assessment of building damage caused by vibration. Guidance of limiting vibration values is attained from *BS 7385-1:1990 – Evaluation and measurement of vibration in buildings* (British Standards, 1993), and are reproduced in Table 3.6.

Table 3.6 Guideline values for short term vibration on structures

Type of Building	Peak Component Particle Velocity in Frequency Range of Predominant Pulse	
	4 – 15 Hz	15 Hz and above
Reinforced or framed structures Industrial and heavy commercial buildings	50 mm/s at 4 Hz and above	
Unreinforced or light framed structures residential or light commercial type buildings	15 mm/s at 4 Hz increasing to 20 mm/s at 15 Hz	20 mm/s at 15 Hz increasing to 50 mm/s at 40 Hz and above

3.2.3 Ground-borne noise

Ground-borne noise relates to the component of vibration transmitted through the ground into the structure and re-radiated as noise. The ICNG states that due to the temporary nature of construction, ground-borne noise criteria would only be applicable “when ground-borne noise levels are higher than airborne noise levels.”

The ground-borne noise criteria applies to internal spaces and is 40 dB(A) $L_{Aeq(15min)}$ during the evening time period and 35 dB(A) $L_{Aeq(15min)}$ during the night time period. No ground-borne noise criteria exists for the daytime period as the objective of the criteria is to protect the amenity and sleep during the evening and night time periods.

3.3 Construction traffic criteria

The *Road Noise Policy* (RNP) (DECCW, 2011) provides traffic noise criteria for residential receivers in the vicinity of existing arterial and local roads and new local roads and are reproduced in Table 3.7. The criteria are applied to operational and construction traffic on public roads to identify potential road traffic noise impacts and the requirement for reasonable and feasible mitigation measures.

The RNP application notes state that “for existing residences and other sensitive land uses affected by additional traffic on existing roads generated by land use developments, any increase in the total traffic noise level as a result of the development should be limited to 2 dB above that of the noise level without the development. This limit applies wherever the noise level without the development is within 2 dB of, or exceeds, the relevant day or night criterion.”

If road traffic noise increase is within 2 dBA of current levels during construction or operation of the project, then the objectives of the RNP are met and no specific mitigation measures are required.

Table 3.7 Road traffic noise criteria

Road category	Type of development	Day 7am to 10pm	Night 10pm to 7am
Freeway/arterial/sub-arterial roads	Existing residence affected by additional traffic on arterial roads generated by land use developments.	60 dBA $L_{Aeq,15hr}$	55 dBA $L_{Aeq,9hr}$
Local roads	Existing residence affected by additional traffic on local roads generated by land use developments.	55 dBA $L_{Aeq,1hr}$	50 dBA $L_{Aeq,1hr}$

3.4 Operational noise criteria

3.4.1 Project noise trigger levels

The NPfl provides guidance on the assessment of operational noise impacts. The guideline includes both intrusiveness and project amenity noise levels that are designed to protect receivers from noise significantly louder than the background level, and to limit the total noise level from industry near a receiver.

The NPfl project noise trigger levels provide an objective for assessing a project and are not mandatory limits required by legislation. The project noise trigger levels assist the regulatory authorities to establish licensing conditions. Where project noise trigger levels are predicted to be exceeded, feasible and reasonable noise mitigation strategies should be considered. In circumstances where noise criteria cannot be achieved, residual noise impacts are used to assess noise impacts and manage noise from the site in negotiation between the regulatory authority and community. The regulatory authority then sets statutory compliance levels that reflect the achievable and agreed noise limits from the development.

The intrusiveness noise level controls the relative audibility of operational noise compared to the background level at residential receivers. The amenity noise level limit the total level of extraneous noise for all receiver types. Both levels are calculated and the lower of the two in each time period is set as the project noise trigger level. The intrusiveness noise level is assessed over a 15-minute period however the amenity noise level is assessed over the day, evening or night time period. For the purposes of assessment to standardise the approach the NPfl recommends that the $L_{Aeq(15min)} = L_{Aeq(1hr)} + 3 \text{ dB(A)}$ unless an alternative approach can be justified.

3.4.2 Intrusiveness noise level

The intrusiveness noise level is determined by a 5 dB addition to the measured or adopted background noise level with a minimum intrusiveness noise level of 35 dB(A) for the evening and night period and 40 dB(A) for the day period. The NPfl recommends that the intrusiveness noise level for the evening and night period should not exceed the daytime period. The intrusiveness noise levels are only applicable to residential receivers.

3.4.3 Project amenity noise level

The recommended amenity noise level applies to all industrial noise in the area which when combined should remain below the recommended amenity noise level. The recommended amenity noise level represents the total industrial noise at a receiver location and a Project Amenity Noise Level is set at 5 dB(A) below the recommended amenity noise level.

Residential receiver areas are characterised into ‘urban’, ‘suburban’, ‘rural’ or other categories based on land uses and the existing level of noise from industry and road traffic. With consideration to the NPfl ‘noise amenity area’ classification, the residential receivers identified for this assessment are located in R2 – Low Density Residential and R3 – Medium Density Residential as per the Hills Council Local Environmental Plan 2019 and are classified as ‘Suburban Residential’ as per the NPfl.

3.4.4 Project noise trigger levels

The project noise trigger levels reflect the most stringent noise level requirements derived from the intrusiveness and project amenity noise level. Daytime, evening and night-time project noise trigger levels (PNTLs) should aim to be achieved as the emergency generator associated with the pipeline may operate up to 48 hours in the event of a power failure.

For residential receivers, the project noise trigger levels are provided in Table 3.8. To standardise the time periods for the intrusiveness and amenity noise levels, the NPfl assumes that the $L_{Aeq,15min}$ is equal to $L_{Aeq, period} + 3$ dB(A).

Table 3.8 Project noise trigger levels – residential noise receivers, dB(A)

PNTL $L_{Aeq}(15min)$ at residential receivers	NCA1			NCA2		
	Day	Evening	Night	Day	Evening	Night
Intrusiveness noise level	46	44	35	39	39	35
Project amenity noise level	53	43	43	53	43	43
Project noise trigger level	46	43	35	39	39	35

Notes:

- The NPfl defines Day as 7 am to 6 pm Monday to Friday and 8 am to 1 pm Sunday & Public Holidays.
- Noise from the site is to be measured at the most affected point within the residential boundary, or at the most affected point within 30 metres of the dwelling where the dwelling is more than 30 metres from the boundary, to determine compliance with the project noise trigger levels, except where otherwise specified below.

For non-residential receivers within the operational noise study area (sensitive receivers within 600 metres of the site), the project noise trigger levels are provided in Table 3.9.

Table 3.9 Project noise trigger levels – non-residential receivers

Type of receiver	Time of day	Non-residential receivers	
		Assessment location	Project noise trigger level $L_{Aeq}(15min)$, dB(A)
Industrial	When in use	External	68

3.4.5 Modifying factor corrections

The NPfl requires that modifying factor corrections are applied if the noise sources contain tonal, intermittent or low frequency characteristics, which have the potential to increase annoyance. The modifying factor corrections are detailed in Table 3.10.

Table 3.10 Modifying factor corrections

Factor	Assessment/ measurement	When to apply	Correction ^{1,2}
Tonal noise	One-third octave or narrow band analysis	Level of one-third octave band exceeds the level of the adjacent bands on both sides by: <ul style="list-style-type: none"> – 5 dB or more if the centre frequency of the band containing the tone is above 400 Hz – 8 dB or more if the centre frequency of the band containing the tone is 160 to 400 Hz inclusive – 15 dB or more if the centre frequency of the band containing the tone is below 160 Hz. 	5 dB(A) ²
Low frequency noise	Measurement of C-weighted and A-weighted level	Measure/assess C and A weighted $L_{eq,T}$ levels over same time period. Correction to be applied if the difference between the two levels is 15 dB or more and: <ul style="list-style-type: none"> – Where any of the one-third octave noise levels in Table C2 are exceeded by up to and including 5 dB and cannot be mitigated, a 2 dB(A) positive adjustment to measured/predicted A-weighted levels for the evening/night period. – Where any of the one-third octave noise levels in Table C2 are exceeded by more than 5 dB(A) and cannot be mitigated, a 5 dB(A) positive adjustment to measured/predicted A-weighted noise levels applies for the evening/night period and a dB(A) positive adjustment for the daytime period. 	5 dB(A) ²
Impulsive noise	A-weighted fast response and impulse response	If the difference in A-weighted maximum noise levels between fast response and impulse response is greater than 2 dB.	Apply the difference in measured noise levels as the correction up to a maximum of 5 dB(A).
Intermittent noise	Subjectively assessed	When the night-time noise level drops to that of the background noise level with a noticeable change in noise level of at least 5 dB(A).	5 dB(A)
<p>Note 1: Where two or more modifying factors are present the maximum correction is limited to 10 dB(A).</p> <p>Note 2: Where a source emits a tonal and low-frequency noise, only one 5 dB correction should be applied if the tone is in the low frequency range.</p>			

4. Construction noise and vibration impact assessment

4.1 Construction activities

Key noise generating construction activities for the project relate to pipeline trenching, tunnel boring and wastewater pumping station construction. An overview of the proposed activities and equipment for each stage and site is detailed in Table 4.1 below. All works will be undertaken during standard construction hours except for the tunnelling and associated activities, which would operate 24 hours per day.

The activities would occur at the following locations:

- The Rouse Hill Water Resource Recovery Facility (WRRF)
- Lot 96, located 70 metres to the southeast of the WRRF
- SP1022, located at 9 Taylee Place.

Table 4.1 Typical construction equipment for each phase of construction

Component and location	Construction activity	Equipment	Loudest two items for activity
Site mobilisation			
Site mobilisation (WRRF)	Ground preparation	20T Excavator, 5T Vibro roller, trucks, truck with dumper, forklift/telehandler, hand tools	5T Vibro roller and trucks
	Excavation of pit	35T Excavator with vibrating hammer, Long-reach excavator, truck, 20T excavator with breaker, concrete pump, crawler crane, 50T mobile crane, 35T excavator with clamshell bucket, underground rock bolter, compressor, hand tools	35T Excavator with vibrating hammer and 20T excavator with breaker
Site mobilisation (Lot 96)	Ground preparation	20T Excavator, 5T Vibro roller, trucks, truck with dumper, forklift/telehandler, hand tools	5T Vibro roller and trucks
	Excavation of pit	35T Excavator with vibrating hammer, Long-reach excavator, truck, concrete pump, crawler crane, underground rock bolter, compressor, hand tools	35T Excavator with vibrating hammer and underground rock bolter
Site mobilisation (SP1022)	Ground preparation	20T Excavator, 5T Vibro roller, trucks, truck with dumper, forklift/telehandler, hand tools	5T Vibro roller and trucks
	Excavation of pit	70T Piling rig, underground rock bolter, compressor, 35T Excavator with vibrating hammer, 50T long-reach excavator, truck, concrete mixer, concrete pump, (40-60T) mobile crane, hand tools	70T Piling rig and 35T Excavator with vibrating hammer
Main activities			
Tunnelling activities (WRRF)	Tunnelling and associated activities	TBM, Axial flow fan ventilator, Genset, air compressor, slurry pump, gantry crane, centrifuge, water treatment plant, Drill rig, hand tools, excavator, mud pump & water cart	Drill rig and centrifuge
	Material processing	Mud pump, water cart, truck, manual hand pump and excavator, Wheel	Centrifuge and mud pump

Component and location	Construction activity	Equipment	Loudest two items for activity
		wash, centrifuge, water treatment plant,	
	Material delivery	300T mobile crane, 50-60T excavator, truck and dog, hand tools	50-60T excavator and truck and dog
Tunnelling activities (Lot 96)	Tunnelling and associated activities	TBM, Axial flow fan ventilator, Genset, air compressor, slurry pump, gantry crane, centrifuge, water treatment plant, weigh bridge, Drill rig, hand tools, excavator, mud pump & water cart	Drill rig and centrifuge
	Material processing	Mud pump, water cart, truck, manual hand pump and excavator, Wheel wash, centrifuge, water treatment plant, forklift/telehandler	Centrifuge and mud pump
	Material delivery	300T mobile crane, 50-60T excavator, truck and dog	50-60T excavator and truck and dog
Pipe installation activities (SP1022)	Open trench pipe installation	Crane, truck and dog, excavator , hand tools	Truck and dog and crane
	Concreting	Concrete truck, concrete pump, compactor and excavator, 40T mobile crane	Compactor and concrete pump
	Dewatering	Mud pump, water cart, truck and excavator, water treatment plant	Mud pump and water cart
Demobilisation			
Demobilisation (WRRF, Lot 96 and SP1022)	Removal of plant, equipment and vehicles	Hand tools, excavator, 300T mobile crane, truck and dog, road sweeper, compactor, dump truck & light vehicles.	Compactor and dump truck
	Backfill excavations	Hand tools, excavator, crane, truck and dog, road sweeper, compactor, dump truck & light vehicles.	Compactor and dump truck

4.2 Construction equipment and scenarios

4.2.1 Airborne noise

The anticipated plant and equipment to be used during the construction of the proposal is shown in Table 4.2 with corresponding Sound Power Levels (SWLs). The SWLs of equipment have been sourced from the following documents and measurements undertaken by GHD on previous projects:

- *AS2436:2010 - Guide to Noise Control on Construction, Maintenance and Demolition Site* (Australian Standard, 2010)
- *Construction Noise and Vibration Guideline (CNVG)* (TfNSW, 2023)
- *Construction Noise and Vibration Strategy (CNVS)* (TfNSW, 2019)
- *BS5228-2 – 2009, Code of Practice Part 2 Vibration for noise and vibration on construction and open sites – Part 2: Vibration* (British Standards, 2009)
- *Long Itchington Wood North Portal - Slurry Treatment Plan - Noise Impact Assessment* (HS2, 2021)
- *Airborne Sound Power Levels and Spectra of Noise Sources in Port Areas* (Schiavoni, et al., 2022)
- *Sound power level study of a roof bolter* (Peterson, Kovalchik, & Matetic, 2004)

TBM drilling is anticipated to be more than 10 metres below ground and airborne noise from the TBM is not anticipated at residences along the alignment. Noise from sources at the TBM launch/receival areas has been

considered as part of this assessment. Ground borne noise and vibration from TBM operations is outlined in Section 4.5.3.

Several construction scenarios have been developed based on the proposed construction activities. An overview of the construction scenarios is shown in Table 4.3, which includes the respective sites where the activities would take place, corresponding total sound power level and the proposed construction hours for the construction scenario.

The ICNG lists a number of activities that have proven to be particularly annoying to sensitive receivers. The ICNG recommends applying a 5 dB penalty to the noise levels should activities with annoying noise characteristics be undertaken. The excavation of the receival pit would make use of a piling rig, conservatively assumed to be an impact piling rig, which is known to emit impulsive noise characteristics. As such, a 5 dB penalty has been added to the sound power level of the piling rig. None of the other proposed construction activities are considered to emit annoying noise characteristics.

Table 4.2 Construction plant sound power levels

Construction equipment	Data source	Sound power level, dB(A)
Centrifuge	Long Itchington Wood North Portal - Slurry Treatment Plan - Noise Impact Assessment (HS2, 2021)	115
Compactor	AS2436,2010	113
Compressor	AS2436,2010	101
Concrete pump	CNVG,2023	109
Concrete truck	AS2436,2010	108
Crane	AS2436,2010	105
Drill rig	AS2436,2010	116
Dump truck	BS5228,2009	109
Excavator (20t-35t)	CNVS,2019	105
Excavator (50t)	CNVS,2019	115
Excavator with breaker	GHD database	115
Excavator with vibrating hammer	BS5228,2009	116
Forklift	AS2436,2010	106
Gantry crane	Airborne Sound Power Levels and Spectra of Noise Sources in Port Areas (Schiavoni, et al., 2022)	107
Generator	AS2436,2010	99
Hand tools	AS2436,2010	102
Light vehicles	AS2436,2010	106
Mobile crane	AS2436,2010	104
Mobile crane (300t)	BS5228,2009	106
Mobile crane <50t)	BS5228,2009	95
Mud pump	GHD database	114
Piling rig (impact hammer)	CNVS,2019	139 ¹
Rock bolter	Sound power level study of a roof bolter (Peterson, Kovalchik, & Matetic, 2004)	112
Roller	AS2436,2010	108
Slurry pump	Long Itchington Wood North Portal - Slurry Treatment Plan - Noise Impact Assessment (HS2, 2021)	113
Sweeper	BS5228,2009	104

Construction equipment	Data source	Sound power level, dB(A)
Truck	AS2436,2010	107
Ventilator	GHD database	100
Water cart	AS2436,2010	107
Wheel wash	GHD database	88
Water treatment plant	GHD database	103 ²

Note 1: Includes a 5 dB penalty for impulsive characteristics.
Note 2: Two membrane bio reactors have been considered to be a part of the water treatment plant, each with a sound power level of 100 dBA.

Table 4.3 Modelled construction scenarios

Construction stage	Activity	Scenario ID	Locations	Scenario Sound Power Level (dBA)	Construction hours
Site mobilisation	Ground preparation	CS01	WRRF, Lot 96 SP1022	111	Standard hours
	Excavation of pits	CS02	WRRF, Lot 96	118	Standard hours
	Excavation of pits (including piling)	CS03	SP1022	134	Standard hours
Main activities	Tunnelling and associated activities	CS04	WRRF, Lot 96	119	24 hours per day
	Material processing	CS05	WRRF, Lot 96	118	Standard hours
	Material delivery	CS06	WRRF, Lot 96	116	Standard hours
	Open trench pipe installation	CS07	SP1022	109	Standard hours
	Concreting	CS08	SP1022	114	Standard hours
	Dewatering	CS09	SP1022	115	Standard hours
Demobilisation	Removal of plant, equipment and vehicles	CS10	WRRF, Lot 96 SP1022	114	Standard hours

4.2.2 Ground borne noise

The Tunnel Boring Machine (TBM) is expected to generate ground-borne noise. As such, ground borne noise predictions have been undertaken with reference to BS5228-2:2009. It is estimated that the TBM will be operating between 33 m and 47 m in depth and the substrate characteristics have been sourced from Table D.1 BS5228-2:2009 Ref. no. 10 1982 Bristol (Avon).

4.3 Noise modelling methodology

Noise modelling was undertaken using SoundPlan 8.2 noise modelling software to predict the effects of construction noise generated by the proposed works.

General parameters used in the noise model are listed in Table 4.4. The noise model was used to predict noise levels during a worst case 15-minute period where the two noisiest items of equipment are running at full power.

Table 4.4 Construction noise modelling parameters

Input	Parameter used
Prediction algorithm	ISO 9613-2:1996
Weather conditions	Based on an average temperature of 10 °C and an average humidity of 70%.
Meteorological conditions	Well-developed moderate ground based temperature inversion, such as commonly occurs on clear, calm nights or 'downwind' conditions which are favourable to sound propagation.
Model inputs	
Topography	1 metre intervals based on the digital elevation model 1 m Grid of Australia.
Equipment height	General construction equipment has been modelled at a height of 2 metres. Piling activities at the SP1022 site have conservatively been modelled at a height of 10 metres.
Receiver heights	1.5 metres above ground level.
Buildings	Buildings have been included within the noise model.
Reflections	The noise predictions consider 1 order of reflections.
Ground absorption	0.6 for all areas, which represents a mix of hard and soft ground.

4.4 Construction noise impacts

Construction noise levels were predicted at sensitive receivers for each construction scenario proposed to be undertaken at the WRRF, Lot 96 and SP1022 sites. A detailed overview of the predicted noise levels is presented in Appendix C.

The predicted noise levels were compared against the established NMLs to determine the extent of potential exceedances during standard hours for all construction scenarios. The predicted noise levels due to tunnelling and associated activities (CS04) at the WRRF and Lot 96 sites were assessed against the NMLs for both standard and outside of standard hours.

The anticipated impacts for construction works have been assessed for the WRRF, Lot 96 and SP1022 sites separately in Sections 4.4.1 to 4.4.3

4.4.1 Rouse Hill Water Resource Recovery Facility

4.4.1.1 Summary of impacts

The predicted construction noise levels due to the construction activities at the WRRF range between 45 and 57 dBA, as shown in Table 4.5. The highest predicted noise levels occur during excavation (CS02) and tunnelling and associated activities (CS04) at the WRRF.

During standard hours, exceedances of NMLs are relatively limited, with the loudest activities affecting up to 27 and 84 residential receivers in NCA1 and NCA2 respectively. All exceedances in both NCA1 and NCA 2 are within the 1 to 10 dB range above the NMLs, which would be clearly audible.

The construction noise impacts become more evident outside of standard hours. During the nighttime, up to 379 and 611 residential receivers in NCA1 and NCA2 respectively are anticipated to be affected by the tunnelling and associated activities (CS04), as shown in Table 4.6. The majority of exceedances are within the 1 to 15 dB range above the NMLs, which would be clearly audible. A total of 63 residential receivers are anticipated to experience noise levels in the range of 15 to 25 dB above the NMLs, which would be moderately intrusive during the nighttime period.

During standard hours, one industrial receiver located at 5/8 Money Close (industrial) is predicted to experience minor exceedances of the NMLs. No exceedances of the NMLs are predicted at other non-residential receivers.

4.4.1.2 Duration and significance of impacts

The site mobilisation and demobilisation (CS01, CS02 and CS10) are expected to be completed within a brief timeframe. Any associated impacts would be manageable through the implementation of appropriate mitigation measures.

The tunnelling activities (CS04, CS05, and CS06), however, would extend over several months and include work outside of the standard construction hours. The mitigation measures provided in Section 6 should be implemented to manage noise impacts to sensitive receivers, particularly those impacted during tunnelling activities (CS04) outside of the standard construction hours. Implementing these measures will be essential in minimising potential impacts throughout the construction process.

Table 4.5 Summary of construction noise impacts due to works at the WRRF – standard hours

NCA		Number of NML exceedances per scenario during standard hours						
		CS01	CS02	CS04	CS05	CS06	CS10	
NCA1	Highest predicted noise level, dB(A)	49	57	57	56	54	53	
	Number of NML exceedances		0	27	27	24	16	11
	Number of highly affected receivers		0	0	0	0	0	0
	Number of receivers per perception category	1-10 dB	0	27	27	24	16	11
		10-20 dB	0	0	0	0	0	0
>20 dB		0	0	0	0	0	0	
NCA2	Highest predicted noise level, dB(A)	45	53	53	52	50	49	
	Number of NML exceedances		4	84	84	59	32	26
	Number of highly affected receivers		0	0	0	0	0	0
	Number of receivers per perception category	1-10 dB	4	84	84	59	32	26
		10-20 dB	0	0	0	0	0	0
>20 dB		0	0	0	0	0	0	

Table 4.6 Summary of construction noise impacts due to works at the WRRF – outside of standard hours

NCA		Number of NML exceedances due to CS04 outside of standard hours			
		Day	Evening	Night	
NCA1	Highest predicted noise level, dB(A)	57	57	57	
	Number of NML exceedances		56	90	379
	Number of receivers per perception category	1-5 dB	23	44	130
		5-15 dB	33	46	209
		15-25 dB	0	0	40
>25 dB		0	0	0	
NCA2	Highest predicted noise level, dB(A)	53	53	53	
	Number of NML exceedances		286	286	611
	Number of receivers per perception category	1-5 dB	179	179	325
		5-15 dB	107	107	263
		15-25 dB	0	0	23
>25 dB		0	0	0	

4.4.2 Lot 96

4.4.2.1 Summary of impacts

The predicted construction noise levels due to the construction activities at Lot 96 range between 49 and 58 dBA, as shown in Table 4.7. The highest predicted noise levels occur during excavation of the intermediate pit (CS02) and tunnelling and associated activities (CS04).

During standard hours, the loudest activities are anticipated to affect up to 33 and 168 residential receivers in NCA1 and NCA2 respectively. All exceedances in NCA1 are within the 1 to 10 dB range above the NMLs, which would be clearly audible. In NCA2, the majority of receivers are predicted to experience noise levels in the 1 to 10 dB range above the NML. At up to 33 residential receivers the exceedances are within the 10 to 20 dB range above the NMLs, which would be moderately intrusive.

Similarly to the works at the WRRF, construction noise impacts are more prevalent outside of standard hours. During the nighttime, up to 457 and 936 residential receivers in NCA1 and NCA2 respectively are anticipated to be affected by the tunnelling and associated activities (CS04), as shown in Table 4.8. The majority of exceedances are within the 1 to 15 dB range above the NMLs, which would be clearly audible. A total of 102 residential receivers are anticipated to experience noise levels in the range of 15 to 25 dB above the NMLs, which would be moderately intrusive during the nighttime.

During standard hours, three industrial receivers located on Money Close are predicted to experience noise levels above the NMLs. No exceedances of the NMLs are predicted at other non-residential receivers.

4.4.2.2 Duration and significance of impacts

Similarly to the duration of works at the WRRF site, the site mobilisation and demobilisation activities (CS01, CS02 and CS10) are expected to be completed within a brief timeframe.

As the tunnelling activities (CS04, CS05, and CS06) would extend over several months and be undertaken outside of the standard construction hours, mitigation measures provided in Section 6 should be implemented to manage noise impacts to sensitive receivers. In particular, receivers impacted during tunnelling activities (CS04) outside of the standard construction hours should be considered when implementing mitigation measures to minimise potential impacts.

Table 4.7 Summary of construction noise impacts due to works at Lot 96 – standard hours

NCA		Number of NML exceedances per scenario during standard hours						
		CS01	CS02	CS04	CS05	CS06	CS10	
NCA1	Highest predicted noise level, dB(A)	49	57	57	56	54	53	
	Number of NML exceedances	0	33	33	32	15	5	
	Number of highly affected receivers	0	0	0	0	0	0	
	Number of receivers per perception category	1-10 dB	0	33	33	32	15	5
		10-20 dB	0	0	0	0	0	0
>20 dB		0	0	0	0	0	0	
NCA2	Highest predicted noise level, dB(A)	50	58	58	57	56	54	
	Number of NML exceedances	40	166	168	140	97	72	
	Number of highly affected receivers	0	0	0	0	0	0	
	Number of receivers per perception category	1-10 dB	40	135	135	113	86	70
		10-20 dB	0	31	33	27	11	2
>20 dB		0	0	0	0	0	0	

Table 4.8 Summary of construction noise impacts due to works at Lot 96– outside of standard hours

NCA		Number of NML exceedances due to CS04 outside of standard hours			
		Day	Evening	Night	
NCA1	Highest predicted noise level, dB(A)	57	57	57	
	Number of NML exceedances		68	105	457
	Number of receivers per perception category	1-5 dB	35	65	153
		5-15 dB	33	40	267
		15-25 dB	0	0	37
>25 dB		0	0	0	
NCA2	Highest predicted noise level, dB(A)	58	58	58	
	Number of NML exceedances		455	455	936
	Number of receivers per perception category	1-5 dB	256	256	481
		5-15 dB	166	166	389
		15-25 dB	33	33	65
>25 dB		0	0	0	

4.4.3 SP1022

4.4.3.1 Summary of impacts

The predicted construction noise levels due to the construction activities at SP1022 range between 37 and 103 dBA, as shown in Table 4.9. The highest predicted noise levels occur during excavation of the SP1022 site (CS03) at residential receivers situated adjacent to the SP1022 site.

During standard hours, the piling activities are anticipated to affect up to 606 and 2,224 residential receivers in NCA1 and NCA2 respectively. The majority of exceedances in NCA1 are within the 1 to 10 dB range above the NMLs, which would be clearly audible. All the remaining exceedances in NCA1 are within the 10 to 20 dB range above the NMLs, which would be moderately intrusive. In NCA2, most residential receivers are predicted to experience noise levels in the 10 to 20 dB range above the NMLs. A substantial number of residential receivers are anticipated to experience noise levels 20 dB above the NMLs. A total of 130 residential receivers are predicted to be highly noise affected with noise levels reaching above 75 dBA.

Besides piling, the other construction scenarios would affect up to 229 residential receivers in NCA2. The majority of the predicted noise levels are within 1 to 10 dB range above the NMLs. Several residential receivers are predicted to experience noise levels more than 20 dB above the NMLs, with at most 10 residential receivers being highly affected due to their close proximity to the construction footprint.

An overview of the highly noise affected residential receivers due to construction scenarios CS03, CS08, CS09 and CS10 is provided in Appendix D.

One passive recreational receiver, located at 41 Clover Avenue, is predicted to experience noise levels above the NMLs. No exceedances of the NMLs are predicted at other non-residential receivers.

Table 4.9 Summary of construction noise impacts due to works at the SP1022 site – standard hours

NCA		Number of NML exceedances per scenario during standard hours						
		CS01	CS03	CS07	CS08	CS09	CS10	
NCA1	Highest predicted noise level, dB(A)	37	69	36	41	41	41	
	Number of NML exceedances	0	606	0	0	0	0	
	Number of highly affected receivers	0	0	0	0	0	0	
	Number of receivers per perception category	1-10 dB	0	477	0	0	0	0
		10-20 dB	0	129	0	0	0	0
>20 dB		0	0	0	0	0	0	
NCA2	Highest predicted noise level, dB(A)	74	103	73	78	79	78	
	Number of NML exceedances	152	2,222	128	220	229	217	
	Number of highly affected receivers	0	130	0	9	10	9	
	Number of receivers per perception category	1-10 dB	101	546	86	125	131	122
		10-20 dB	27	962	23	63	65	63
>20 dB		24	714	19	32	33	32	

As the construction activities at the receival site have significant impacts at receivers, two additional mitigation options have been assessed (together):

1. Installation of a 3-metre-high temporary noise barrier along the northern, western and southern edge of the construction footprint at the receival site to reduce noise from construction scenarios CS08, CS09 and CS10.
2. Implementation of bored piling instead of impact piling, as this generates less noise. The SWL for bored piling is estimated at 112 dBA, based on the CNVS. Using the reduced SWL for piling, the SWL for construction scenario CS03 was reduced to 118 dBA due to the contribution of the excavator with a vibrating hammer and the long-reach excavator.

A summary of the construction noise impacts when both mitigation measures are implemented is shown in Table 4.10. The effects of implementing the mitigation measures can be summarised as follows:

- The installation of the temporary noise barrier would reduce the impacts at several residential receivers and would result in no residential receivers being highly noise affected due to construction scenarios CS08, CS09 and CS10.
- The implementation of bored piling would reduce noise impacts at residential receivers significantly. The number of highly affected receivers reduce to 13. The total number of affected residential receivers reduces to 559, with most residential receivers predicted to experience noise levels in the 1 to 10 dB range above the NMLs.

Table 4.10 Summary of construction noise impacts due to works at the SP1022 site – mitigated

NCA		Number of NML exceedances per scenario during standard hours						
		CS01	CS03	CS07	CS08	CS09	CS10	
NCA1	Highest predicted noise level, dB(A)	37	48	36	41	41	41	
	Number of NML exceedances	0	0	0	0	0	0	
	Number of highly affected receivers	0	0	0	0	0	0	
	Number of receivers per perception category	1-10 dB	0	0	0	0	0	0
		10-20 dB	0	0	0	0	0	0
>20 dB		0	0	0	0	0	0	
NCA2	Highest predicted noise level, dB(A)	71	82	69	74	75	71	
	Number of NML exceedances	150	559	127	224	237	152	
	Number of highly affected receivers	0	13	0	0	0	0	
	Number of receivers per perception category	1-10 dB	105	404	91	134	142	107
		10-20 dB	30	116	27	63	68	29
>20 dB		15	39	9	27	27	16	

4.4.3.2 Duration and significance of impacts

The site mobilisation and demobilisation (CS01, CS03 and CS10) are expected to be completed within a brief timeframe. Any associated impacts would be manageable through the implementation of appropriate mitigation measures.

The pipe installation activities (CS07, CS08 and CS09) would extend over several months, however would be undertaken within standard construction hours. The mitigation measures of installing a temporary noise barrier and implementing bored piling instead of impact piling have been assessed to reduce the overall noise impacts. Additional mitigation measures provided in Section 6 should be implemented to minimise noise impacts throughout the construction process.

4.5 Construction vibration and ground-borne noise

4.5.1 Construction vibration safe working distances

Safe working distances for human comfort and damage to structures due to vibration intensive equipment are provided in *Construction Noise and Vibration Guideline* (TfNSW, 2023) and reproduced in Table 4.11. Potential vibration impacts from drilling, boring and rock-breaking activities are associated with trenching and construction of other assets.

No heritage buildings or structures have been identified within 200 metres of the construction footprint. As such the BS7385 vibration screening criteria for reinforced and unreinforced structures should apply for buildings.

Table 4.11 Vibration safe working distances

Equipment	Human comfort (AVTG guideline)	Damage to standard structures (BS 7385)
Vibratory roller (1-2 tonnes)	15 m to 20 m	5 m
Vibratory roller (2-4 tonnes)	20 m	6 m
Vibratory roller (4-6 tonnes)	40 m	12 m
Vibratory roller (7-13 tonnes)	100 m	15 m
Vibratory roller (13-18 tonnes)	100 m	20 m
Vibratory roller (>18 tonnes)	100 m	25 m
Small hydraulic hammer 300 kg (5-12t excavator)	7 m	2 m
Medium hydraulic hammer 900 kg (12-18t excavator)	23 m	7 m
Large hydraulic hammer 1600 kg (18-34t excavator)	73 m	22 m
Pile driver – Vibratory (sheet piles)	20 m	2 m to 20 m
Piling rig – Bored (< 800 mm)	N/A	2 m (nominal)
Piling rig – Hammer (12t down force)	50 m	15 m
Jackhammer	Avoid contact with structure	1 m (nominal)

4.5.2 Vibration impacts

The most vibration intensive activities associated with the construction works of the project are the impact piling rig and the 5-tonne vibratory roller. Vibrations from the impact piling rig and vibratory roller have the potential to exceed the human comfort vibration criteria should these works occur within 50 and 40 metres of residences respectively. Several receivers are located within these distances and could be impacted. These receivers should be informed of the nature of the works, expected vibration levels, duration of works and a method of contacting Sydney Water to raise complaints. An overview of sensitive receivers within 50 metres of the construction footprint is provided in Table 4.12. Appropriate measures have been provided in Section 6 to minimise the potential for human comfort vibration impacts during construction.

Impact piling has the potential to exceed the cosmetic damage vibration criteria should these works occur within 15 metres of residences. No residential receivers are located within 15 metres of the construction footprints, therefore no adverse cosmetic damage vibration impacts are anticipated as a result of the construction works.

Should works be undertaken at the edge of the SP1022 site, residences within 15 metres of the construction works have the potential to exceed the cosmetic damage vibration criteria.

Table 4.12 Receivers within 50 metres of the construction footprint

Receiver ID	Address
94	9 Taylee Pl, Rouse Hill
243	12 Taylee Pl, Rouse Hill
249	7 Knox Pl, Rouse Hill
395	7 Nunkere Cr, Rouse Hill
545	5 Knox Pl, Rouse Hill
782	7 Taylee Pl, Rouse Hill
801	1 Nunkere Cr, Rouse Hill
938	14 Mindaribba Av, Rouse Hill
1075	10 Taylee Pl, Rouse Hill
1157	5 Nunkere Cr, Rouse Hill
1183	11 Nunkere Cr, Rouse Hill

Receiver ID	Address
1228	11 Knox Pl, Rouse Hill
1691	15 Knox Pl, Rouse Hill
1842	9 Taylee Pl, Rouse Hill
1864	17 Knox Pl, Rouse Hill
1929	9 Knox Pl, Rouse Hill
1930	14 Mindaribba Av, Rouse Hill
1940	3 Knox Pl, Rouse Hill
1995	9 Nunkere Cr, Rouse Hill
2041	17 Nunkere Cr, Rouse Hill
2158	15 Nunkere Cr, Rouse Hill
2236	13 Nunkere Cr, Rouse Hill
2551	3 Nunkere Cr, Rouse Hill
2868	13 Knox Pl, Rouse Hill

4.5.3 Ground-borne noise

Airborne noise levels from construction activities are expected to be the dominant noise sources at sensitive receivers. The ICNG notes that the ground-borne noise criteria are only applicable when ground-borne noise levels are higher than airborne noise levels.

Predictions of the ground-borne noise indicate that 45 receivers are predicted to experience ground-borne noise levels above 35 dB where the airborne noise levels are below the ground-borne noise levels. The affected receivers are located above the tunnelling alignment, approximately 50 metres on either side.

The ground-borne noise contours are presented in Appendix E and a detailed overview of receivers where the ground-borne noise is expected to exceed the ground-borne noise criteria and exceed the lowest predicted airborne noise levels is included in Appendix F.

4.6 Construction road traffic impacts

The number of vehicles using local roads to access the sites would depend on the site location and activities being undertaken. The assumed vehicle movements per hour and routes are detailed in Table 4.13.

Table 4.13 Estimated construction traffic generation volumes

Towards site location	Access using roads	Number of vehicle movements per hour			
		Day		Night	
		Light vehicles	Heavy vehicles	Light vehicles	Heavy vehicles
WRRF and Lot 96	Mile End Road onto the Rouse Hill Water Resource Recovery Facility	16	8	16	8
SP1022	Milford Drive onto Kindilen Close and Taylee Place	16	8	16	8

The existing traffic volumes on the roads utilised for these movements is generally expected to be low. There may be a potential exceedance of the RNP at residential receivers along local roads utilised by construction vehicles. The magnitude of impacts would depend on the existing traffic volumes on the road, the number of additional heavy vehicles added from project activities and the distance from the road to residential receivers.

Nighttime construction activities may require intermittent heavy vehicle movements at the TBM drive sites and compounds. However, where feasible, these movements would be undertaken prior to 10 pm to minimise the potential for adverse noise impacts.

Traffic on local roads would be managed in accordance with a traffic management plan which would be prepared by the contractor and would detail specific routes that construction traffic and local traffic would follow throughout the construction phase. Additional noise mitigation measures detailed in Section 6.

5. Operational noise impacts

5.1 Noise sources

It is understood that operational noise will be unchanged at the completion of the works to sewer pressure mains, sewer pumping stations and SP1022 and SP1108. When maintenance is undertaken at the sewer pumping stations, a generator is often required. This would not change as part of project.

The only additional source of noise proposed is an emergency generator. In the event of a power outage, operation of SP1022 will be supported with an emergency generator for up to 48 hours. Table 5.1 shows the sound power and pressure levels of a representative generator appropriate for this project. It has been assumed that the emergency generator would be enclosed using a 3-metre-high noise barrier.

Table 5.1 Emergency generator details

Representative generator model.	SPL @ 7m dB(A)	SWL dB(A)
PR2200P-SAE PR power Diesel Generator Specifications	75.6	100.5

5.2 Operational modelling methodology

Indicative noise modelling of the operational activities has been undertaken using SoundPLAN 8.2 to predict operational noise levels at the sensitive receivers within 600 metres of SP1022. A summary of the noise modelling parameters and inputs are provided in Table 5.2.

Table 5.2 Operational noise modelling parameters

Input	Parameter used
Prediction algorithm	ISO 9613-2:1996
Weather conditions	Based on an average temperature of 10°C and an average humidity of 70%.
Meteorological conditions	Well-developed moderate ground based temperature inversion, such as commonly occurs on clear, calm nights or 'downwind' conditions which are favourable to sound propagation.
Model inputs	
Topography	1 metre intervals based on the digital elevation model 1 m Grid of Australia.
Equipment height	The generator was modelled 1.5 metres above ground level
Receiver heights	1.5 metres above ground level.
Buildings	Buildings have been included within the noise model.
Reflections	The noise predictions consider 1 order of reflections.
Ground absorption	0.6 for all areas, which represents a mix of hard and soft ground.

5.3 Predicted noise levels

The predicted noise levels for residences which exceed the most stringent nighttime criteria are shown in Table 5.3. The operational noise contours are included in Appendix G.

It should be noted that these exceedances are only expected to occur during emergency situations, when the back-up diesel generator may run for up to 48 hours. Recommended mitigation measures are provided in Section 6.2.

Table 5.3 Operational noise levels at the nearest residential receivers

Receiver ID	Address	Predicted noise level L_{Aeq,15min} dB(A)
1767	9 Knox Pl, Rouse Hill	53
228	7 Knox Pl, Rouse Hill	52
2619	13 Knox Pl, Rouse Hill	52
497	5 Knox Pl, Rouse Hill	51
1554	15 Knox Pl, Rouse Hill	51
2043	13 Nunkere Cr, Rouse Hill	51
1709	17 Knox Pl, Rouse Hill	50
90	9 Taylee Pl, Rouse Hill	50
1130	11 Knox Pl, Rouse Hill	48
1829	9 Nunkere Cr, Rouse Hill	46
365	7 Nunkere Cr, Rouse Hill	45
1091	11 Nunkere Cr, Rouse Hill	45
2337	3 Nunkere Cr, Rouse Hill	43
1066	5 Nunkere Cr, Rouse Hill	43
859	14 Mindaribba Av, Rouse Hill	42
1768	14 Mindaribba Av, Rouse Hill	42
1687	9 Taylee Pl, Rouse Hill	42
1778	3 Knox Pl, Rouse Hill	41
134	10 Mindaribba Av, Rouse Hill	40
2726	8 Mindaribba Av, Rouse Hill	39
714	7 Taylee Pl, Rouse Hill	38
1976	15 Nunkere Cr, Rouse Hill	37
812	5 Taylee Pl, Rouse Hill	36
2243	15 Milford Dr, Rouse Hill	35

6. Mitigation measures

6.1 Construction mitigation measures

The construction activities are predicted to exceed the NMLs at several residential receivers, both during standard hours and outside of standard hours. The mitigation measures detailed in Table 6.1 would be implemented to manage and minimise noise impacts.

Table 6.1 Construction noise mitigation measures

Sydney Water Environmental Safeguards SWEMS0019
<p>Works must comply with the <i>Interim Construction Noise Guideline</i> (DECC, 2009), including scheduling work and deliveries during standard daytime working hours of 7am to 6pm Monday to Friday and 8am to 1pm Saturday where reasonable. No work to be scheduled on Sundays or public holidays.</p> <p>The Proposal will also be carried out in accordance with:</p> <ul style="list-style-type: none"> – Sydney Water’s Noise Management Procedure SWEMS0056 – Noise Policy for Industry (EPA, 2017). <p>Reasonable and feasible noise mitigation measures should be implemented to mitigate noise impacts.</p>
<p>Incorporate standard daytime hours noise management safeguards into the CEMP:</p> <ul style="list-style-type: none"> – Identify notify with the potentially affected residents prior to the commencement. – Describe the nature of works; the expected noise impacts; approved hours of work; duration, complaints handling and contact details. – Determine need for, and appropriate timing of respite periods . – Ongoing engagement with the community on the construction times. – Implement a complaint handling procedure for dealing with noise complaints. – Plant or machinery will not be permitted to warm-up near residential dwellings before the nominated working hours. – Appropriate plant will be selected for each task, to minimise the noise impact (e.g. all stationary and mobile plant will be fitted with residential type silencers). – Engine brakes will not be used when entering or leaving the work site(s) or within work areas. – Regularly inspect and maintain equipment in good working order. – Arrange work sites where possible to minimise noise (e.g. generators away from sensitive receivers, minimise use of vehicle reversing alarms). – Schedule noisy activities around times of surrounding high background noise (local road traffic or when other noise sources are active).
<p>For works required beyond standard daytime hours, the Contractor would:</p> <ul style="list-style-type: none"> – Justify the need for out of standard daytime work. – Consider potential noise impacts and: implement the relevant standard daytime hours safeguards; Sydney Water’s Noise Management Code of Behaviour (SWEMS0056.01) and other reasonable and feasible management measures. – Identify community notification requirements, including requirements for any respite periods. – Seek approval from the Sydney Water Project Manager in consultation with Sydney Water’s Environment and communications representatives.
<p>For planned night works, the Contractor would:</p> <ul style="list-style-type: none"> – Justify the need for night works. – Consider potential noise impacts and implement the relevant standard daytime and out of hours safeguards and other reasonable and feasible management measures. – Identify community notification requirements (i.e. for scheduled night work (not emergency works)), including requirements for any respite periods. – Notify all potentially impacted residents and sensitive noise receivers not less than one week prior to commencing night work. – Seek approval from the Sydney Water Project Manager in consultation with Sydney Water’s Environment and communications representatives. – The Contractor’s environmental representative would consult with authorities as required and assess whether additional impact assessment is required, including the need for additional mitigation measures such as noise monitoring, noise barriers, and notification of affected landholders.

Sydney Water Environmental Safeguards SWEMS0019

- Activities likely to generate the highest levels of noise would be scheduled to occur at the beginning of the shift (prior to 10 pm, during the 6 pm to 10 pm evening period) to minimise the potential for sleep disturbance.
- All workers would be briefed on the need to minimise noise as a result of their activities. This would be included in a noise management plan.

Conduct a dilapidation survey / asset condition assessment prior to works which have potential to damage existing structures.

Monitor compliance with the recommended vibration levels in BS7385.

Highly noise affected receivers

Noise levels at some sensitive receivers are predicted to exceed 75 dB(A) during construction works.

It should be noted that the worst-case noise levels will occur when construction equipment is directly adjacent to dwellings (nominally less than 10 metres) and any exceedances above 75 dB(A) will only occur for a short period of time.

As such, the proponent should communicate with the impacted residents clearly explaining the duration and noise level of the works and inform the residents of any respite periods.

Site specific mitigation measures (SP1022)

The following mitigation measures will be implemented at the SP1022 site:

- Installation of a 3-metre-high temporary noise barrier along the northern, western and southern edge of the SP1022 site.
- Implementation of bored piling instead of impact piling.

6.2 Operational mitigation measures

The emergency generator is predicted to affect receivers during emergency situations for up to 48 hours. The *Industrial Noise Policy* (EPA, 2000) provides guidance on short-term exceedance of approved noise levels during abnormal operations due to unforeseen breakdown events. Significant mitigation is considered impractical for these intermittent short term exceedances events; however, the following mitigation measures should be considered during project development:

- Determining an upper level for noise impact.
- Consultation with the community regarding potential noise impacts.

In regard to this advice, the sensitive receivers predicted to be impacted by emergency generator noise (Table 5.1) should be informed and consulted regarding expected noise impacts.

7. Conclusion

The proposed upgrade works would generate varying levels of noise and vibration impacts across different sites and construction stages. While daytime construction activities generally show limited exceedances of noise management levels, nighttime tunnelling activities are expected to cause more significant disturbances to nearby residential receivers. The noise impacts are most significant at the SP1022 site, however the proposed mitigation measures, including noise barriers and alternative construction methods, show these impacts could be reduced substantially.

Vibration impacts are anticipated to affect human comfort for some nearby receivers, though no cosmetic damage to buildings is expected as long as construction works occur 15 metres from residences.

Ground-borne noise from tunnelling activities may impact a limited number of residences.

Operational noise of the project is limited to a generator running during emergency situations. As such, no operational noise impacts from the project are anticipated.

The construction noise and vibration impacts would be managed by implementing the recommended mitigation measures, especially during nighttime works and at the SP1022 site.

8. References

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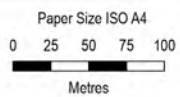
Appendices

Appendix A

Receiver overview



Legend
 ○ Sensitive receivers



Map Projection: Transverse Mercator
 Horizontal Datum: GDA2020
 Grid: GDA2020 MGA Zone 56

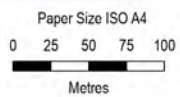


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Sensitive receivers

APPENDIX A.1



Map Projection: Transverse Mercator
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 Grid: GDA2020 MGA Zone 56

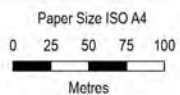


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Sensitive receivers

APPENDIX A.2



Map Projection: Transverse Mercator
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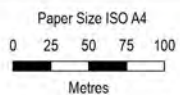


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 Northwest Metro Pressure Main
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Sensitive receivers

APPENDIX A.3



Map Projection: Transverse Mercator
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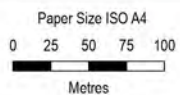


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Sensitive receivers

APPENDIX A.4



Map Projection: Transverse Mercator
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 Grid: GDA2020 MGA Zone 56



Sydney Water
 Northwest Metro Pressure Main
 Construction Noise and Vibration Impact Assessment

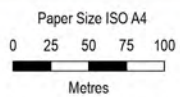
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 Revision No. 0
 Date 14/03/2024

Sensitive receivers

APPENDIX A.5



Legend
 ○ Sensitive receivers



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 Grid: GDA2020 MGA Zone 56



Sydney Water
 Northwest Metro Pressure Main
 Construction Noise and Vibration Impact Assessment

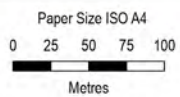
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 Revision No. 0
 Date 14/03/2024

Sensitive receivers

APPENDIX A.6



Legend
 ○ Sensitive receivers



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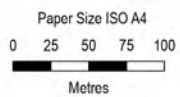


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Sensitive receivers

APPENDIX A.7



Map Projection: Transverse Mercator
Horizontal Datum: GDA2020
Grid: GDA2020 MGA Zone 56



Sydney Water
Northwest Metro Pressure Main
Construction Noise and Vibration Impact Assessment

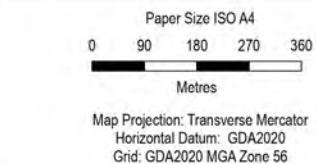
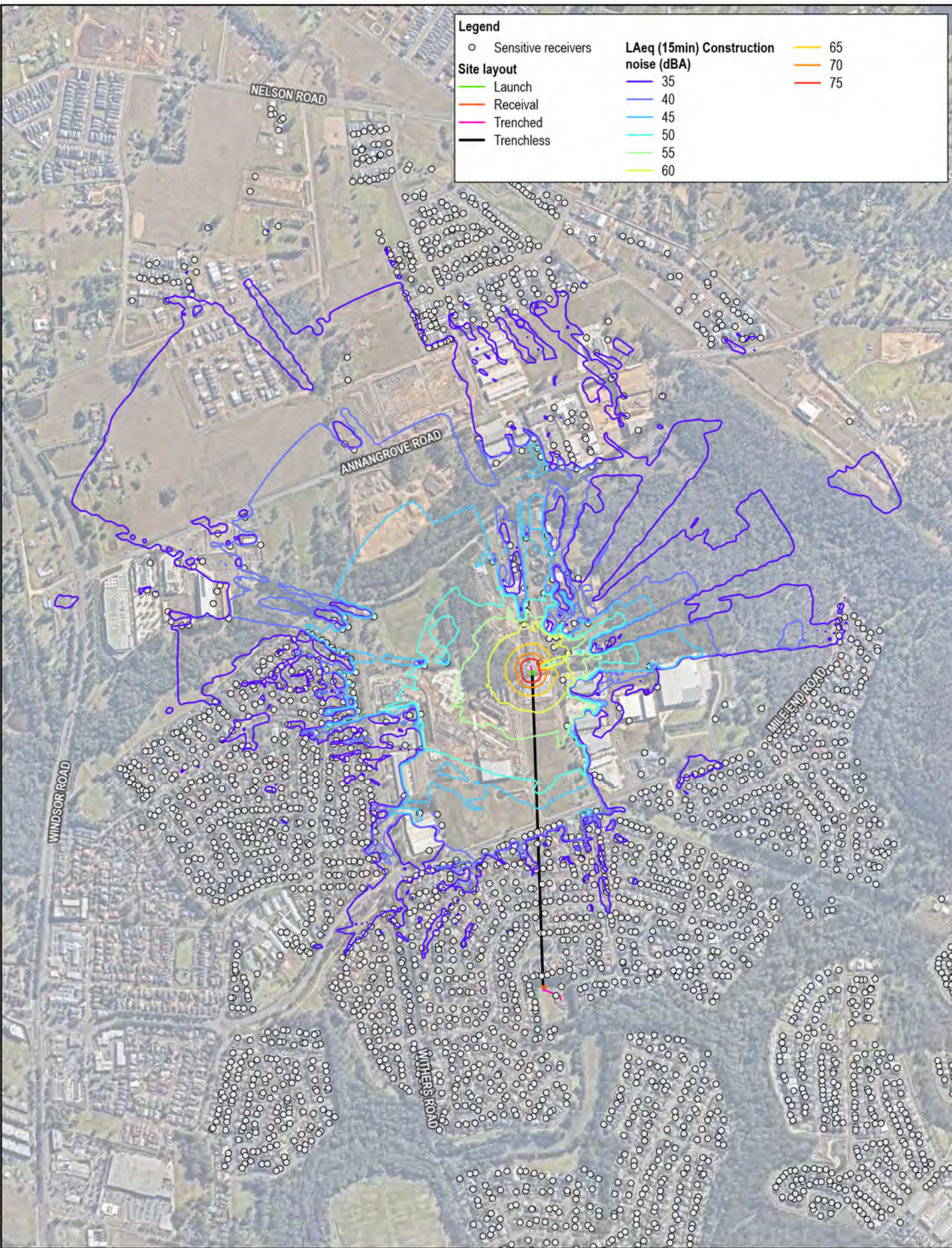
Project No. 12625426
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Date 14/03/2024

Sensitive receivers

APPENDIX A.8

Appendix B

Construction noise impact contours

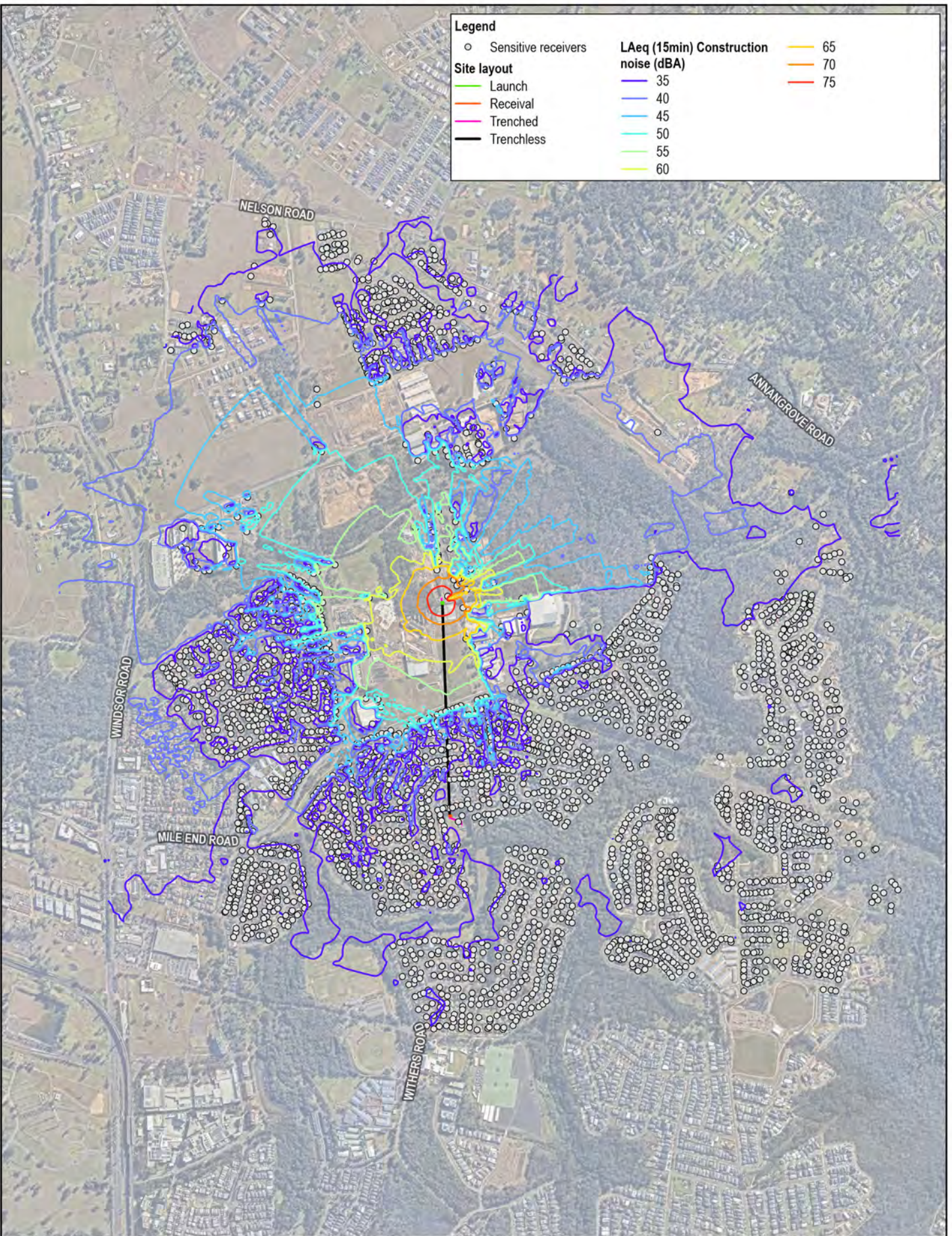


Sydney Water
Northwest Metro Pressure Main
Construction Noise and Vibration Impact Assessment

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WRRF - Construction scenario CS01

FIGURE B.1



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 Horizontal Datum: GDA2020
 Grid: GDA2020 MGA Zone 56

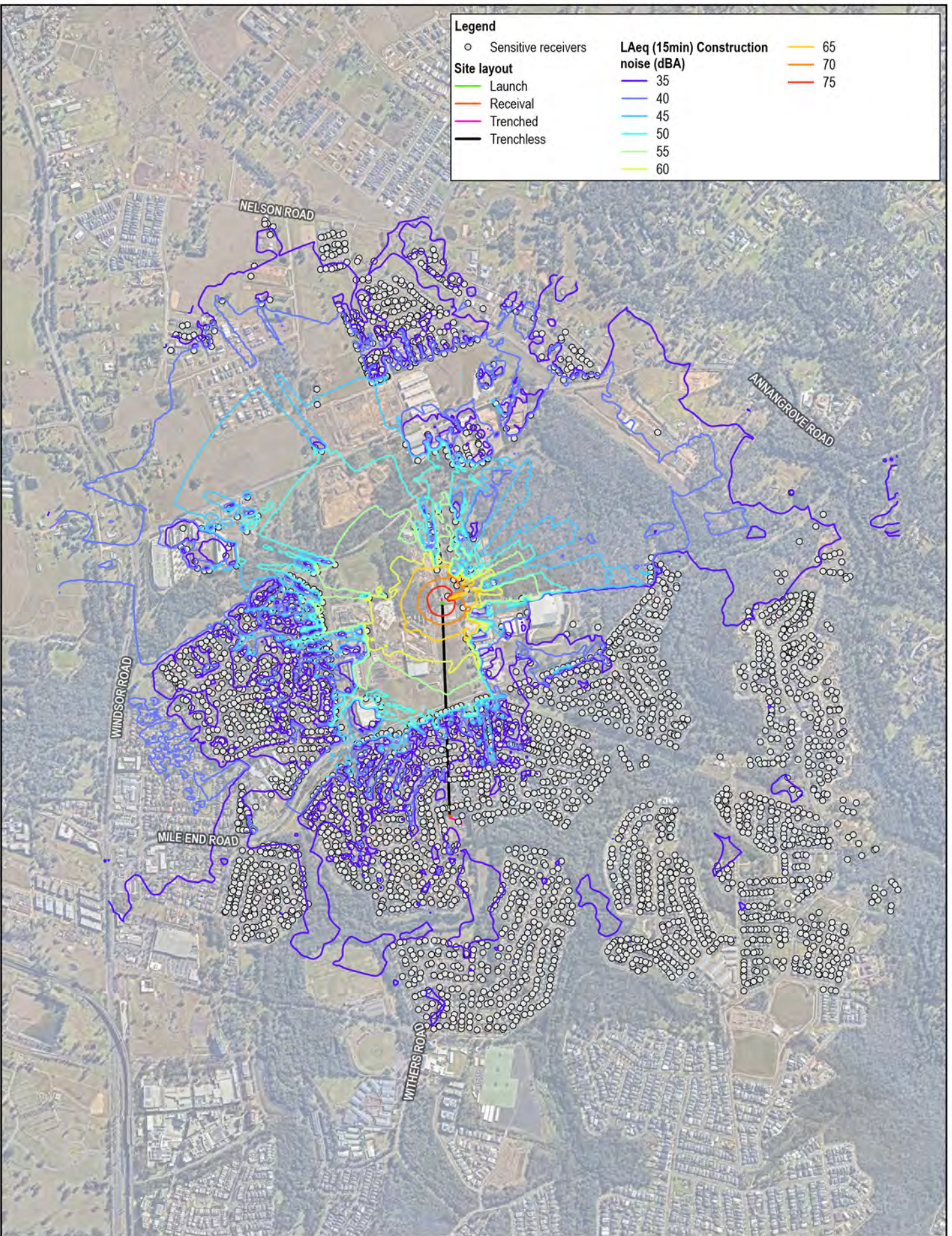


Sydney Water
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WRRF - Construction scenario CS02

FIGURE B.2



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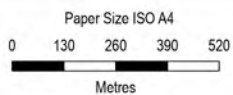
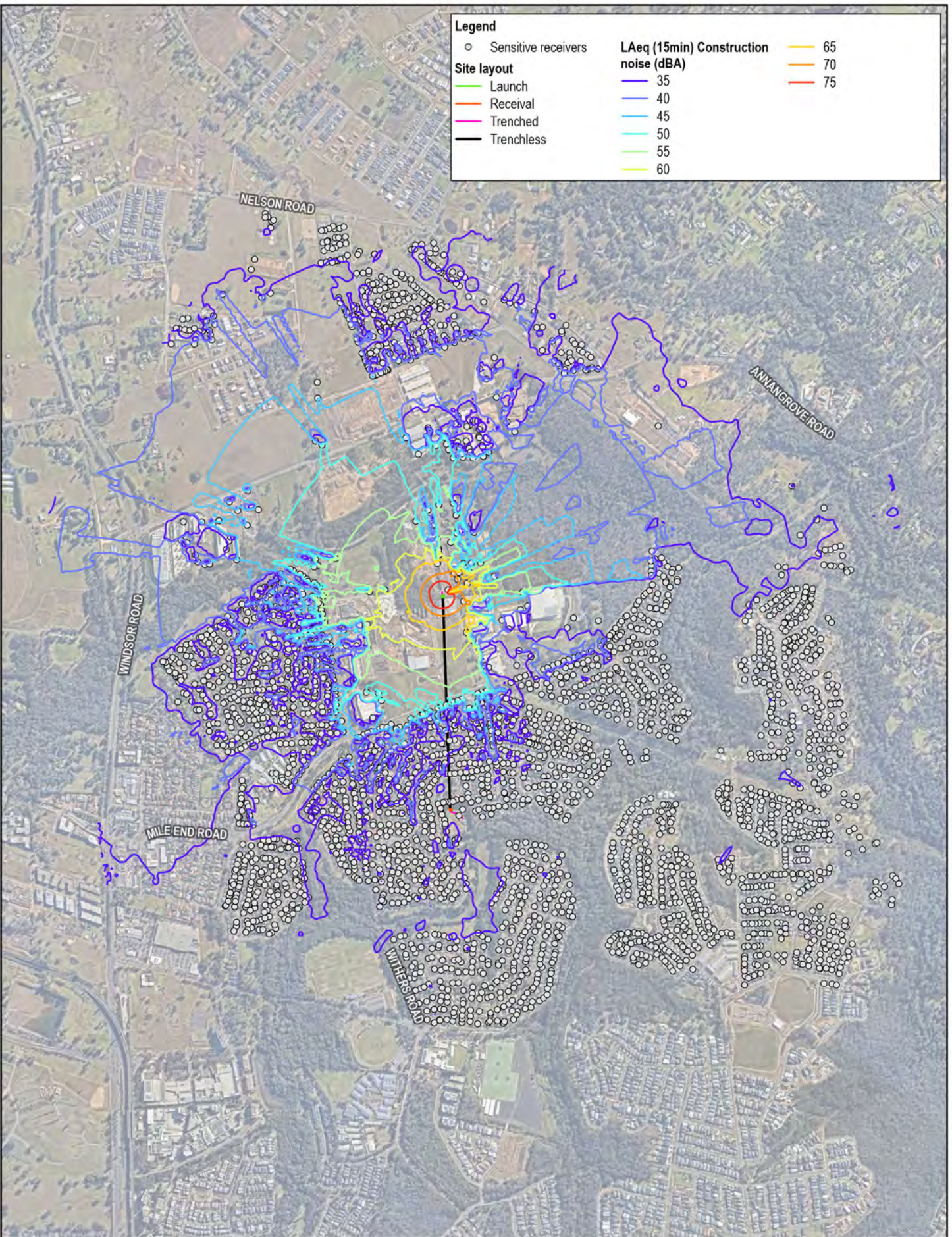


Sydney Water
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WRRF - Construction scenario CS04

FIGURE B.3



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Grid: GDA2020 MGA Zone 56

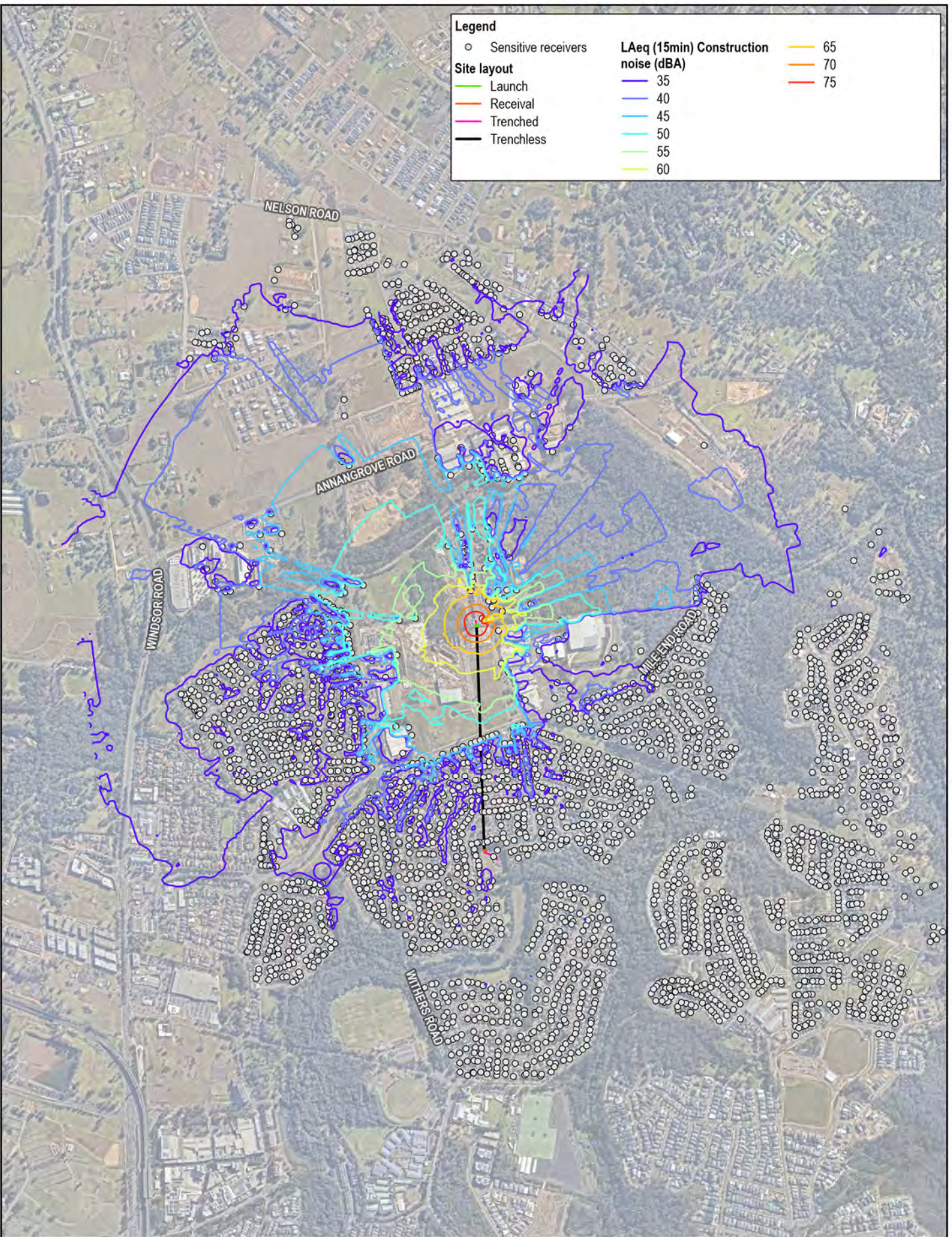


Sydney Water
Northwest Metro Pressure Main
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Date 22/08/2024

WRRF - Construction scenario CS05

FIGURE B.4



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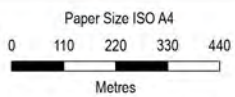
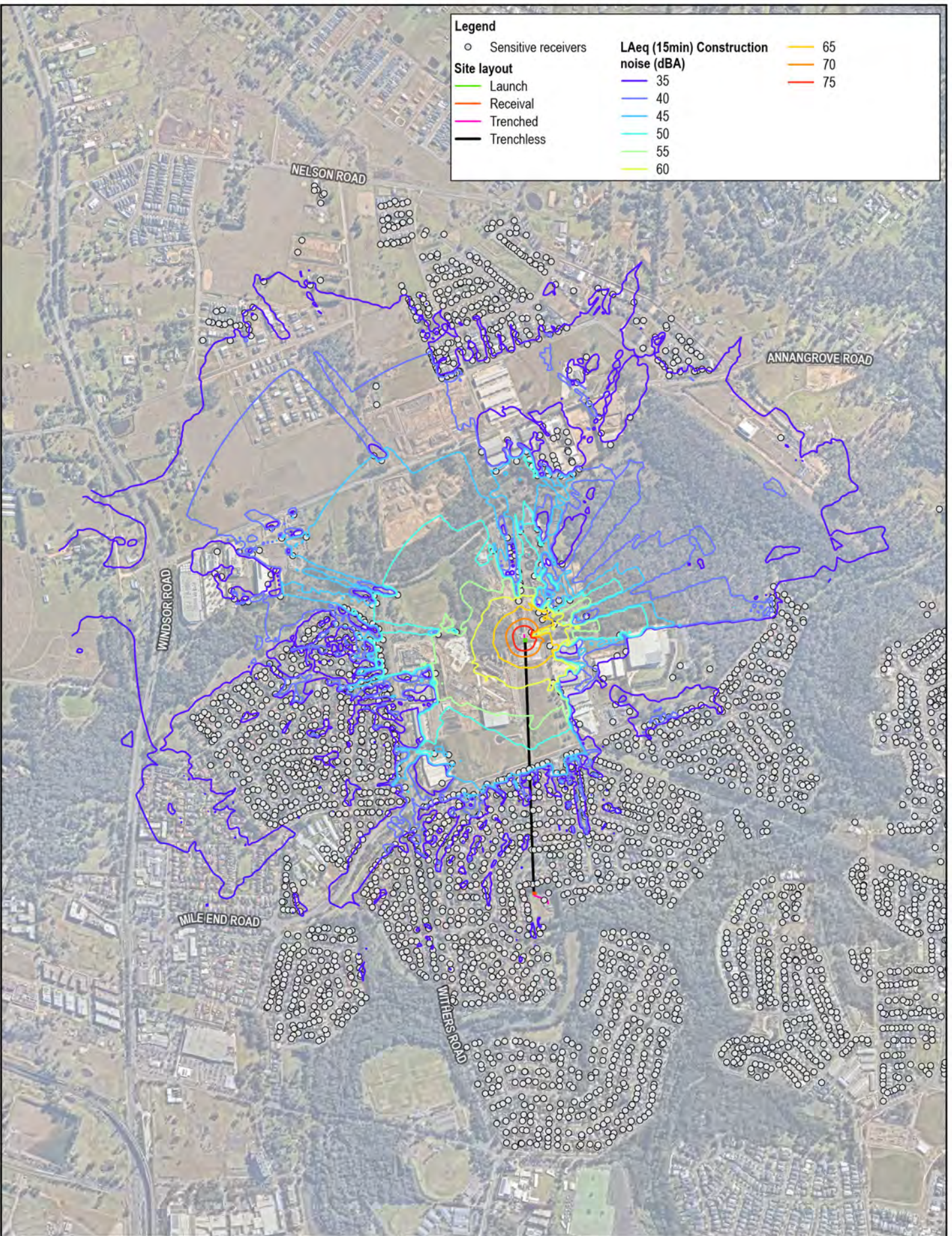


Sydney Water
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WRRF - Construction scenario CS06

FIGURE B.5



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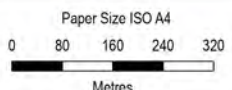
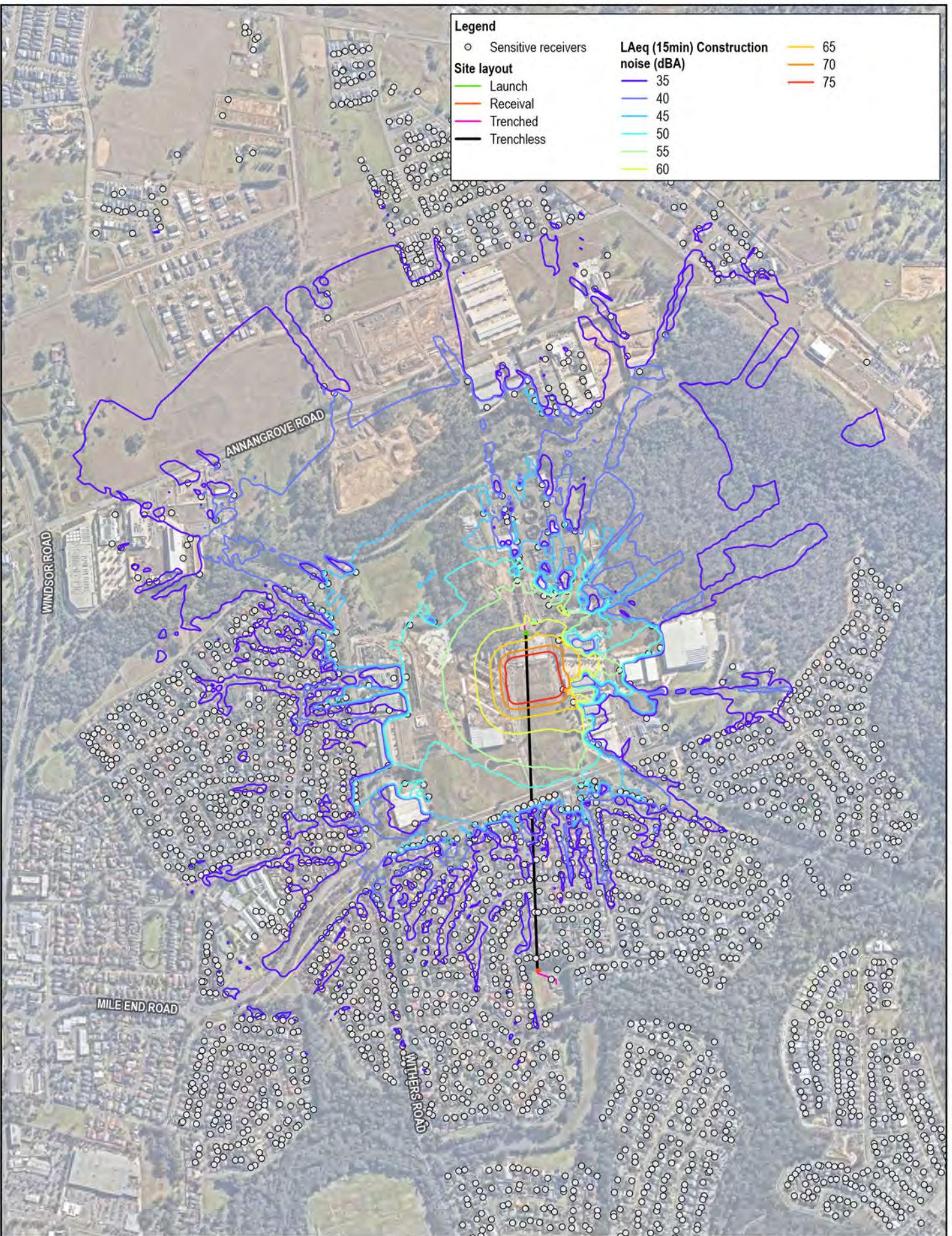


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WRRF - Construction scenario CS10

FIGURE B.6



Map Projection: Transverse Mercator
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Grid: GDA2020 MGA Zone 56

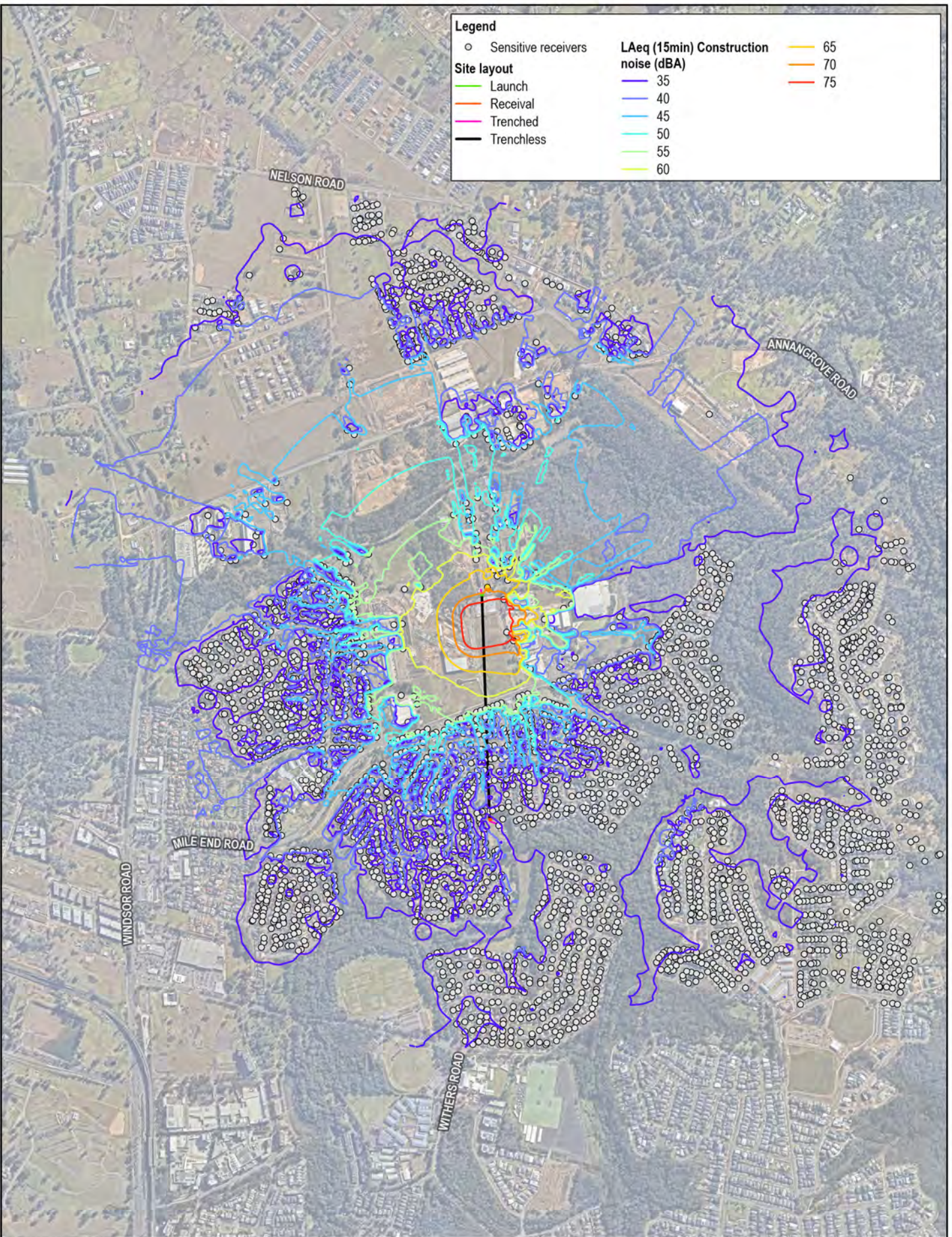


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Lot 96 - Construction scenario CS01

FIGURE B.7



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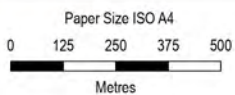
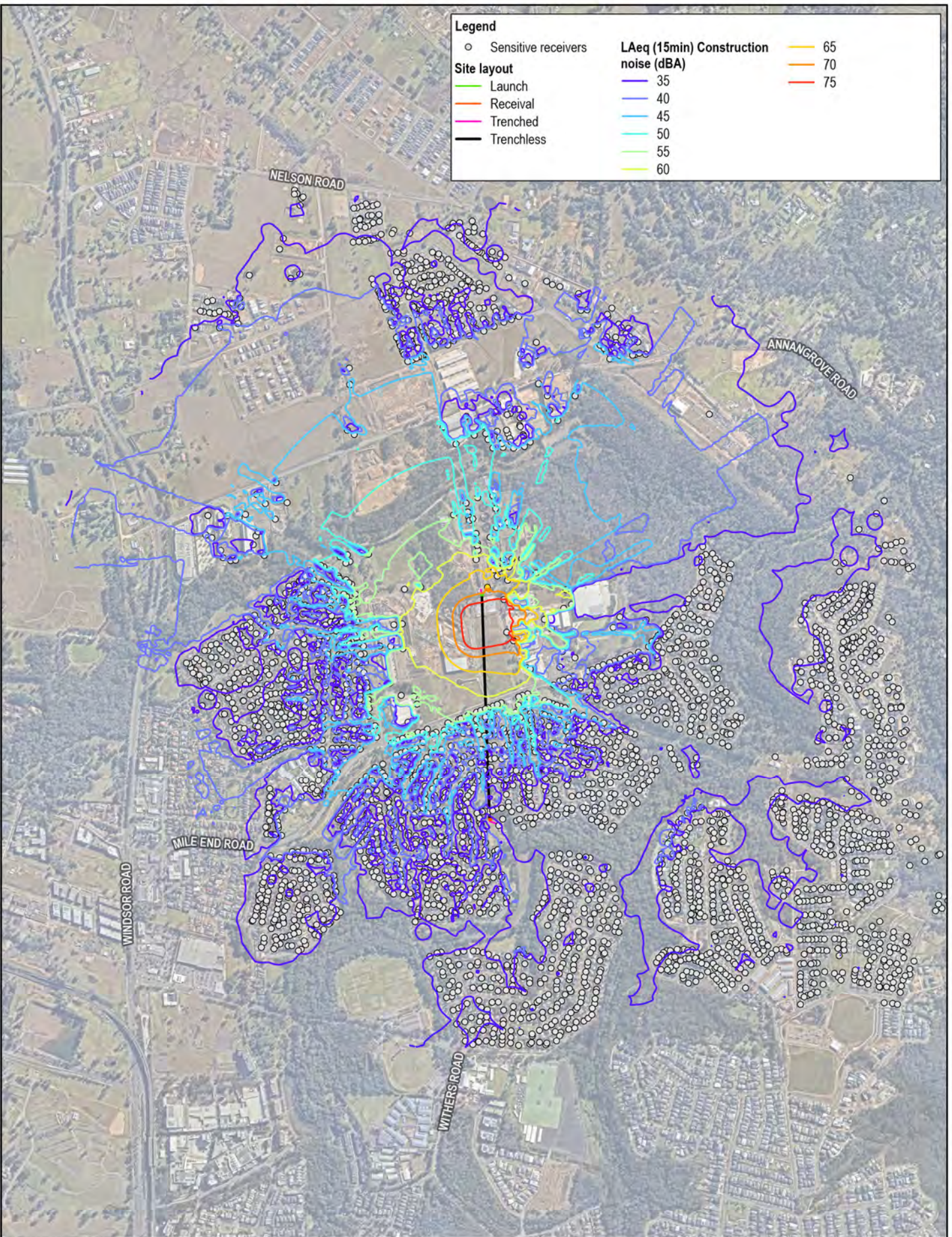


Sydney Water
 Northwest Metro Pressure Main
 Construction Noise and Vibration Impact Assessment

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Lot 96 - Construction scenario CS02

FIGURE B.8



Map Projection: Transverse Mercator
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Grid: GDA2020 MGA Zone 56

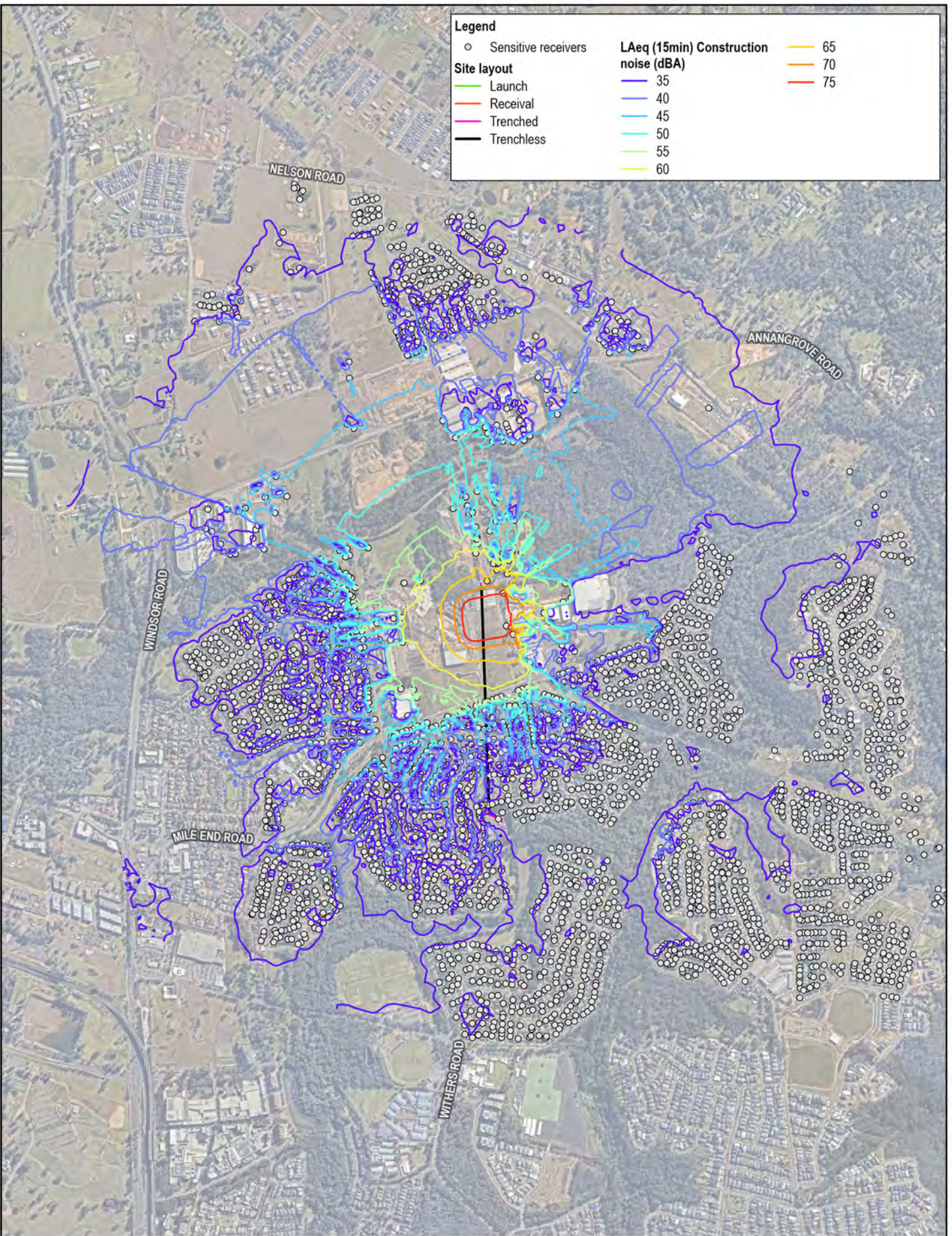


Sydney Water
Northwest Metro Pressure Main
Construction Noise and Vibration Impact Assessment

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Lot 96 - Construction scenario CS04

FIGURE B.9



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 Grid: GDA2020 MGA Zone 56

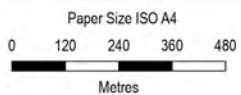
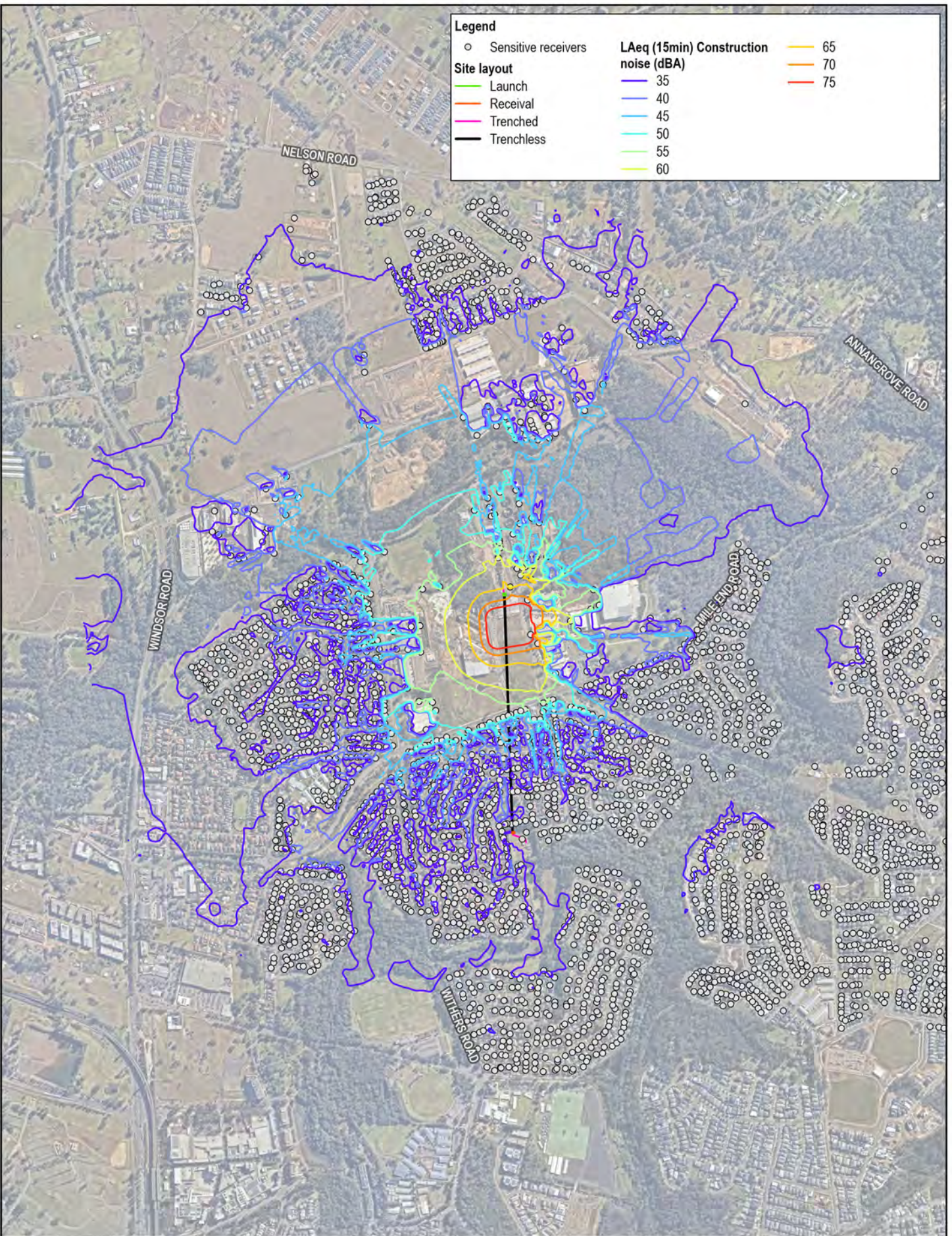


Sydney Water
 Northwest Metro Pressure Main
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Lot 96 - Construction scenario CS05

FIGURE B.10



Map Projection: Transverse Mercator
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Grid: GDA2020 MGA Zone 56

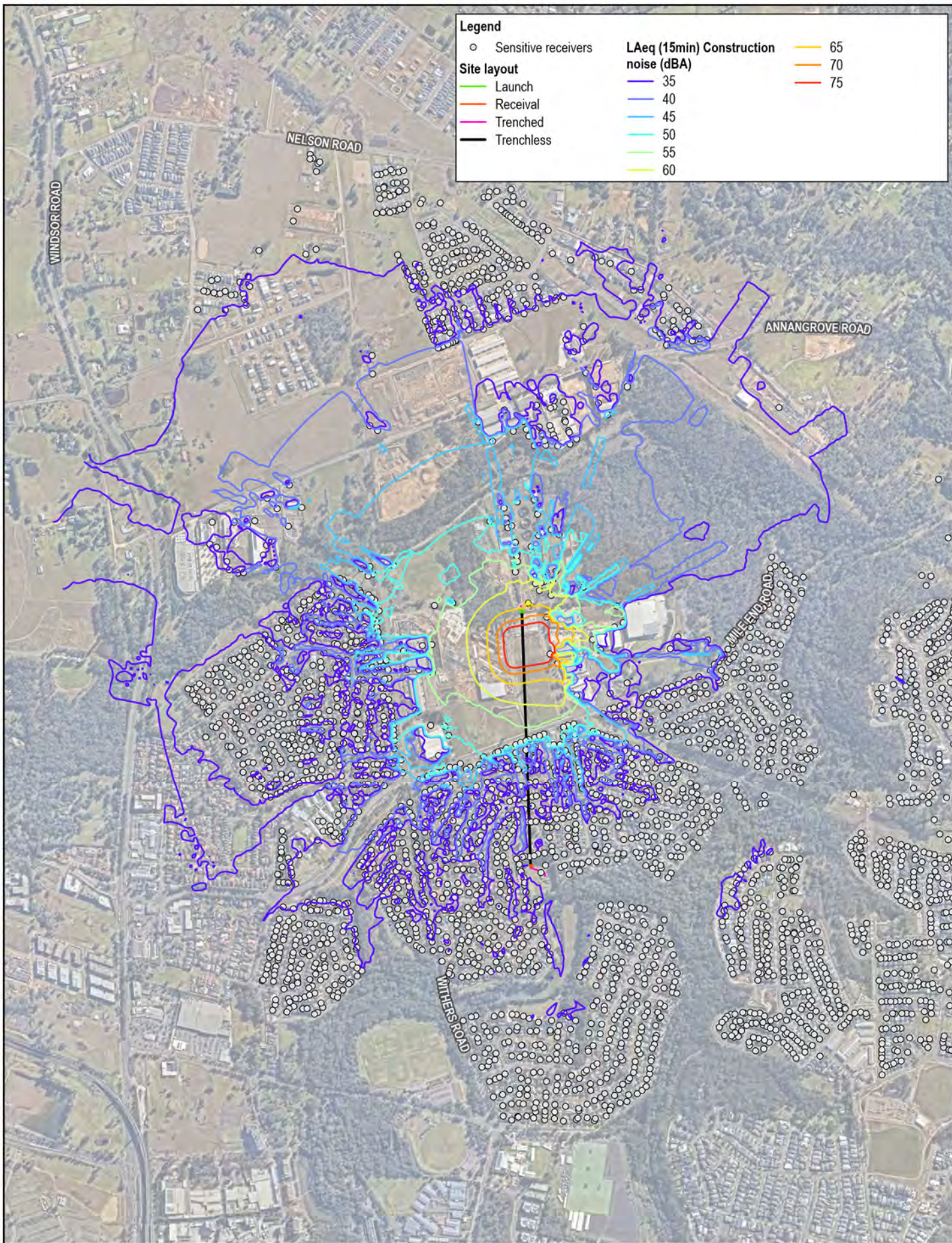


Sydney Water
Northwest Metro Pressure Main
Construction Noise and Vibration Impact Assessment

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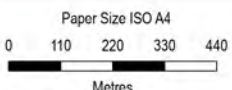
Lot 96 - Construction scenario CS06

FIGURE B.11



Legend

- Sensitive receivers
- Site layout**
- Launch
- Reveal
- Trenched
- Trenchless
- LAeq (15min) Construction noise (dBA)**
- 35
- 40
- 45
- 50
- 55
- 60
- 65
- 70
- 75



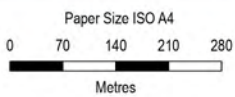
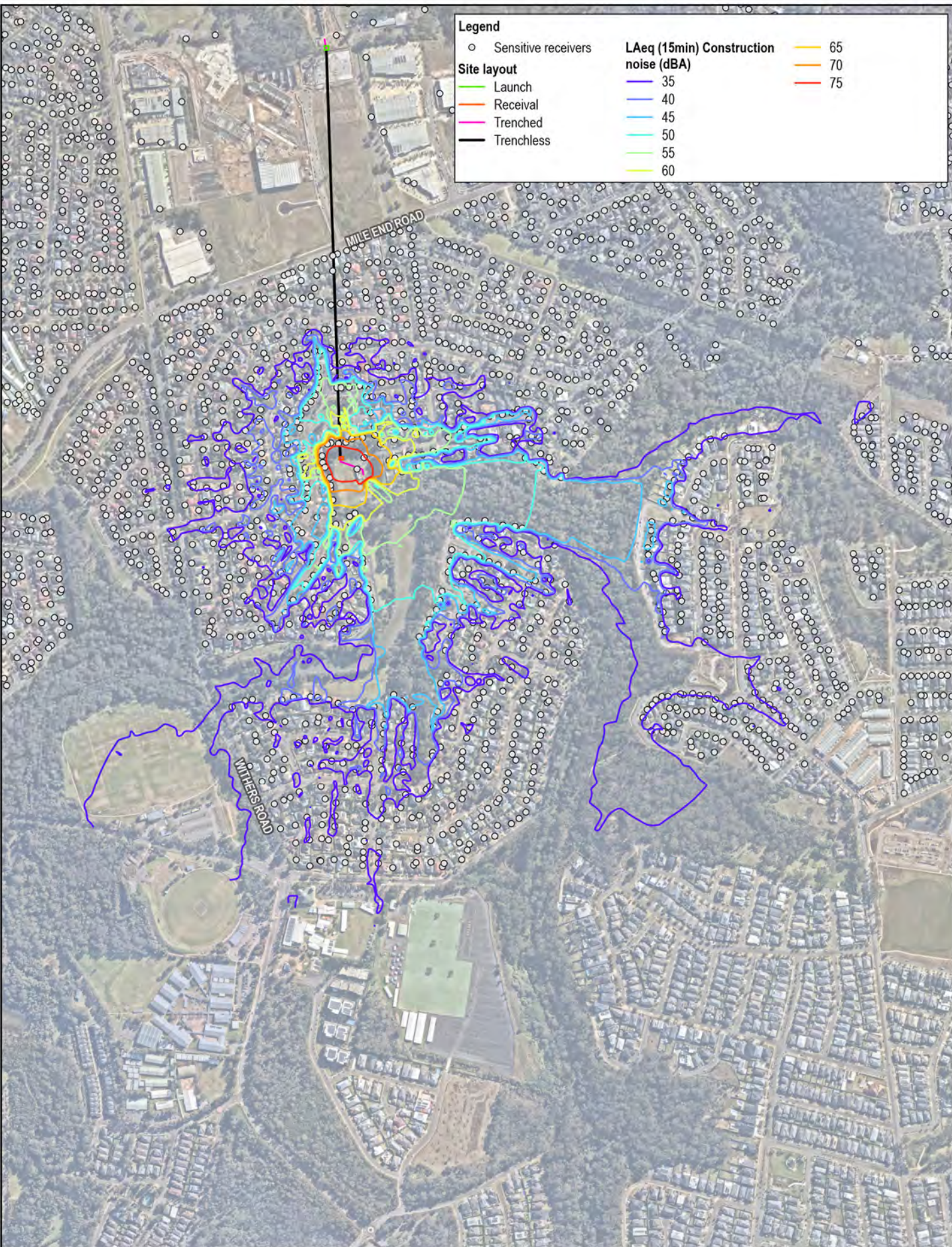
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Grid: GDA2020 MGA Zone 56

Sydney Water
Northwest Metro Pressure Main
Construction Noise and Vibration Impact Assessment

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Lot 96 - Construction scenario CS10

FIGURE B.12



Map Projection: Transverse Mercator
Horizontal Datum: GDA2020
Grid: GDA2020 MGA Zone 56

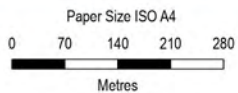
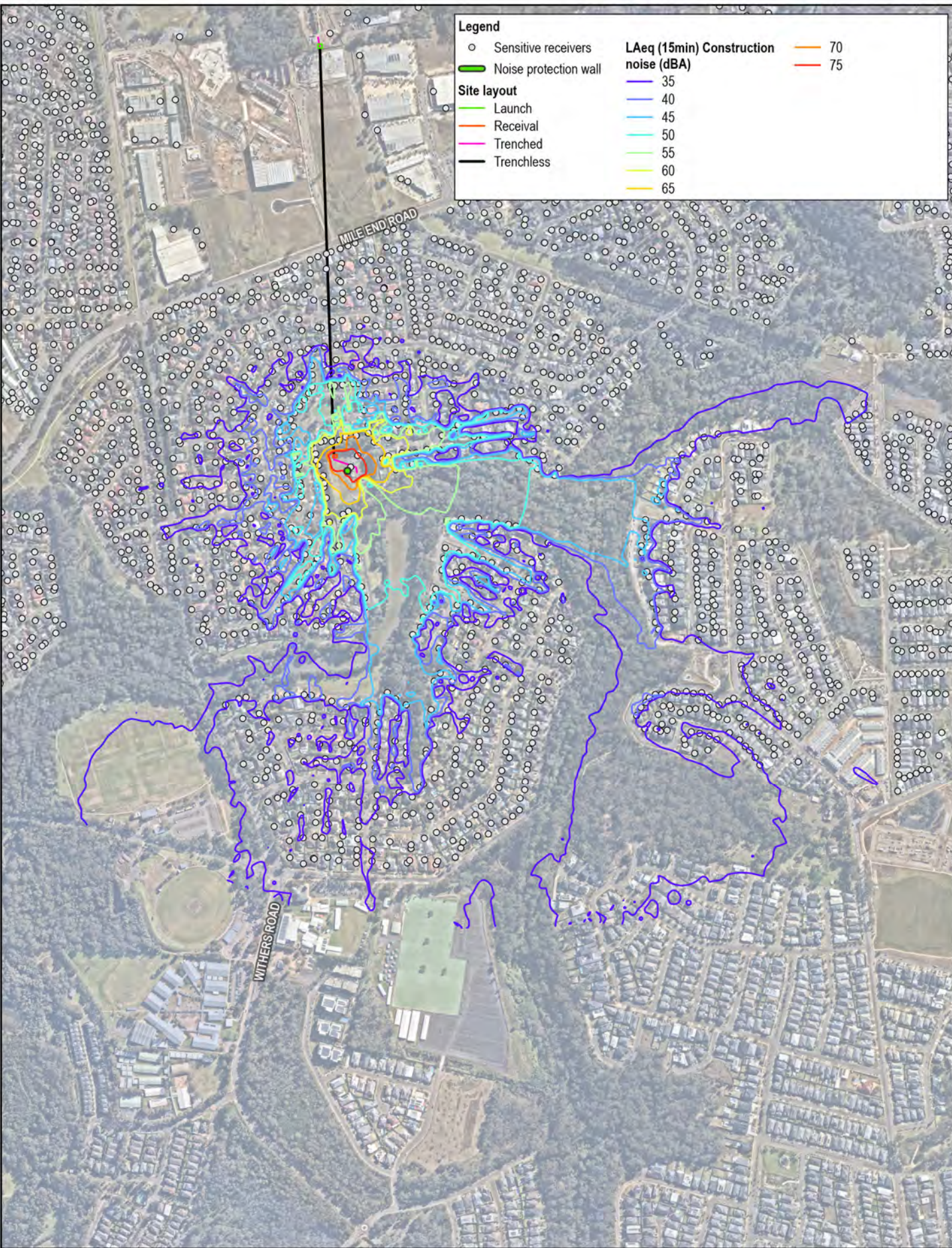


Sydney Water
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**SP1022 - Construction scenario CS01
- Without noise barrier**

FIGURE B.13



Map Projection: Transverse Mercator
Horizontal Datum: GDA2020
Grid: GDA2020 MGA Zone 56

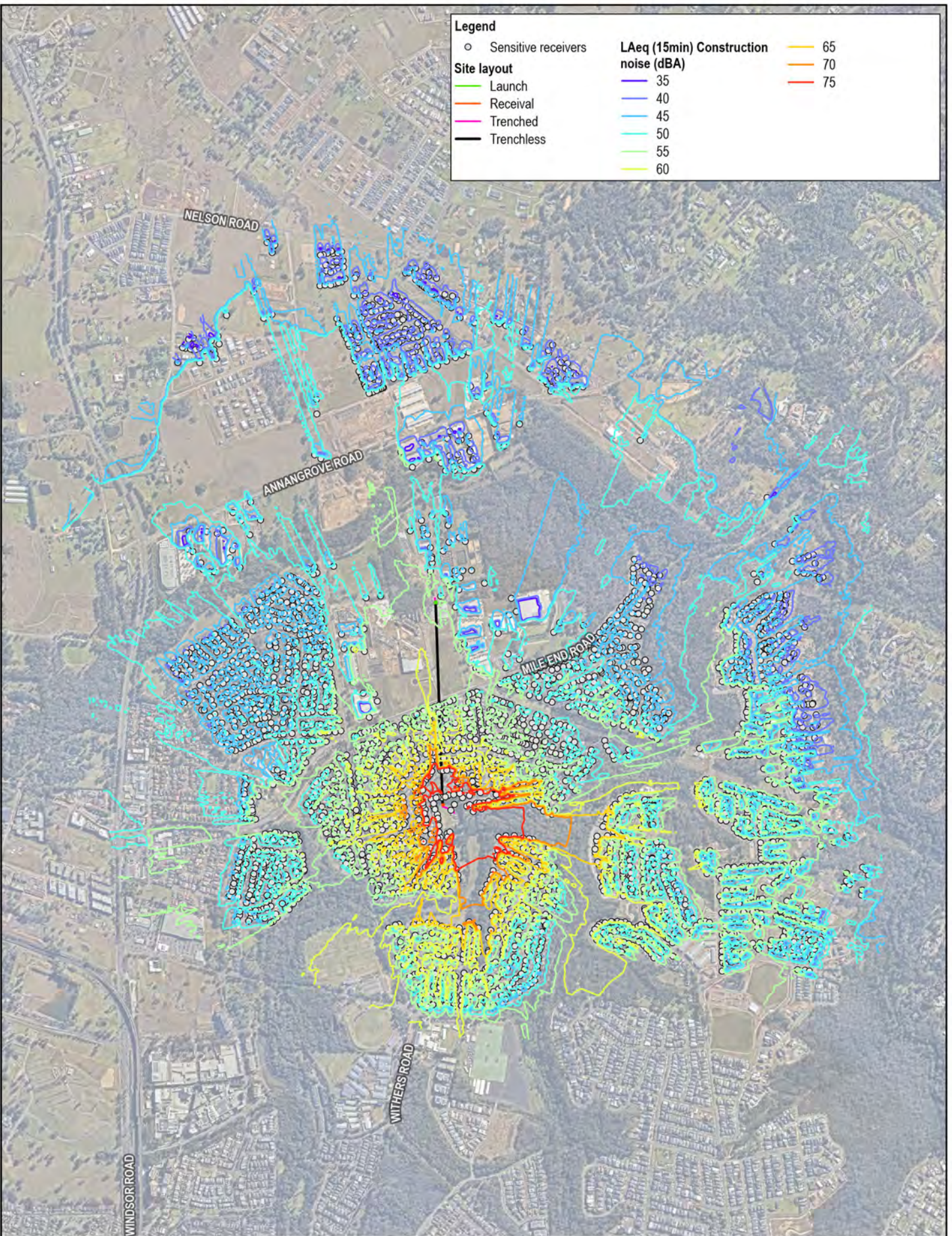


Sydney Water
Northwest Metro Pressure Main
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**SP1022 - Construction scenario CS01
- With noise barrier**

FIGURE B.14



Paper Size ISO A4
 0 140 280 420 560
 Metres
 Map Projection: Transverse Mercator
 Horizontal Datum: GDA2020
 Grid: GDA2020 MGA Zone 56

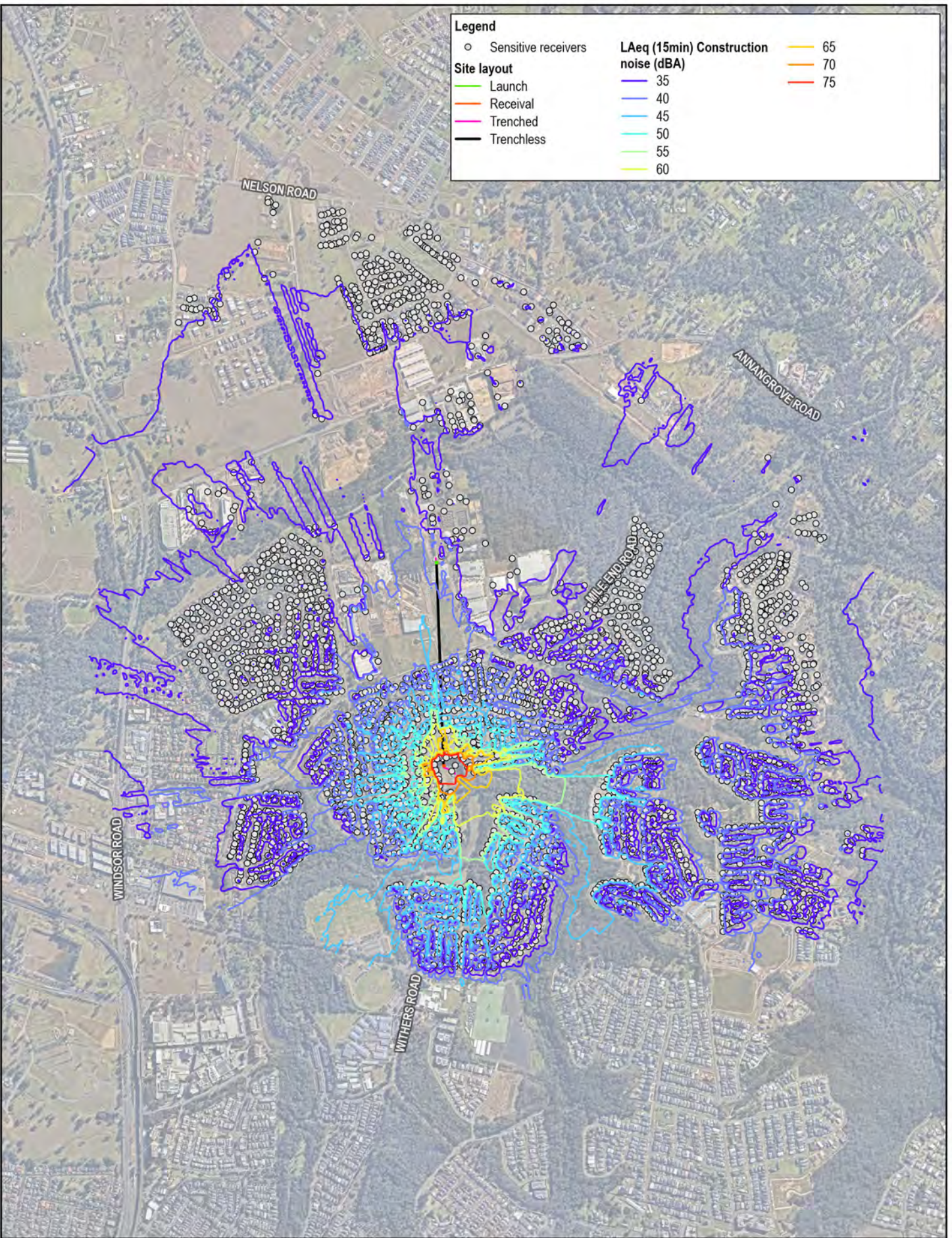


Sydney Water
 Northwest Metro Pressure Main
 Construction Noise and Vibration Impact Assessment

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SP1022 - Construction scenario CS03
 - Impact piling

FIGURE B.15



Paper Size ISO A4
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 Metres
 Map Projection: Transverse Mercator
 Horizontal Datum: GDA2020
 Grid: GDA2020 MGA Zone 56

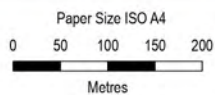
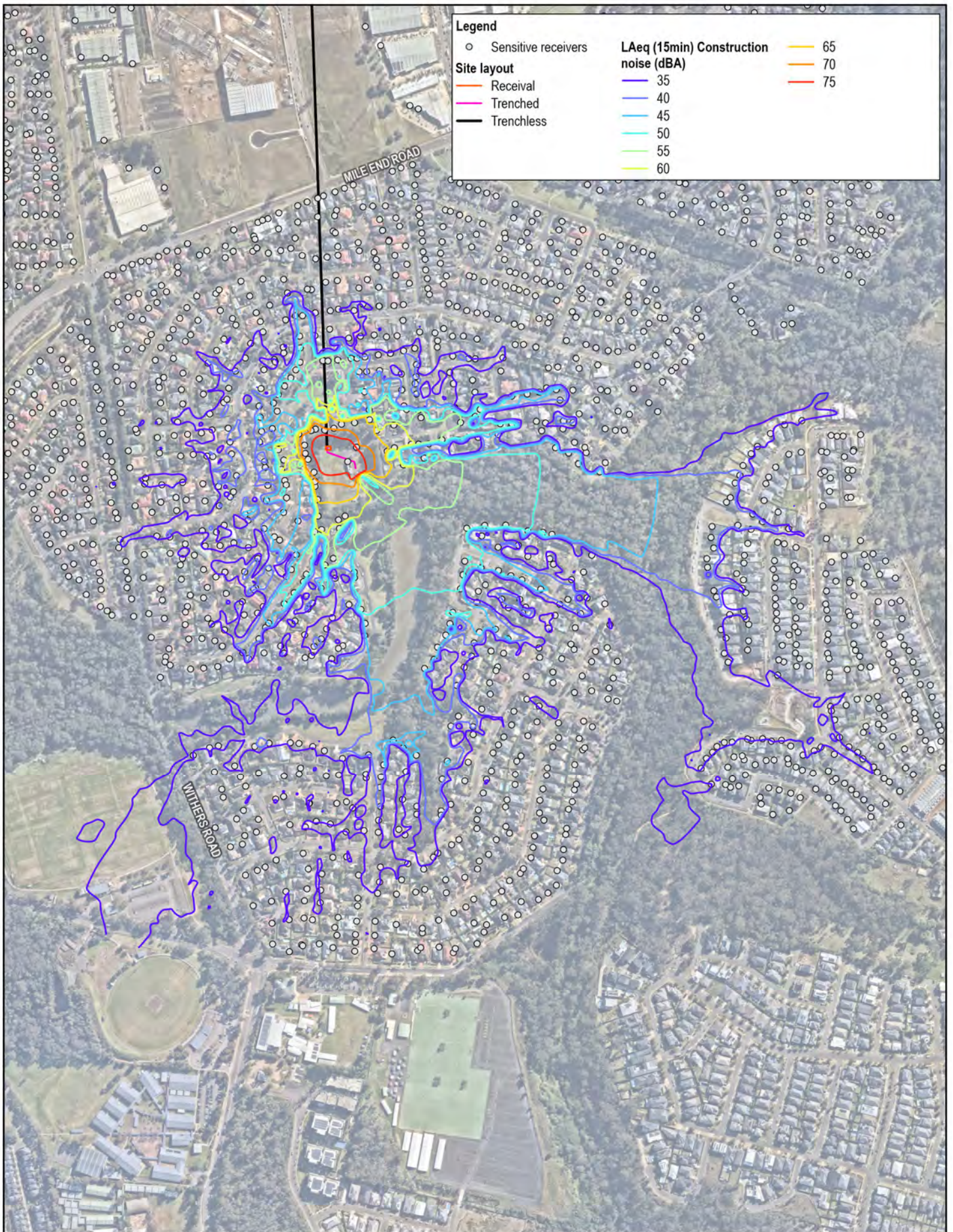


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SP1022 - Construction scenario CS03
 - Bored piling

FIGURE B.16



Map Projection: Transverse Mercator
Horizontal Datum: GDA2020
Grid: GDA2020 MGA Zone 56

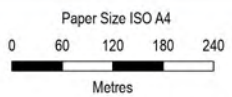
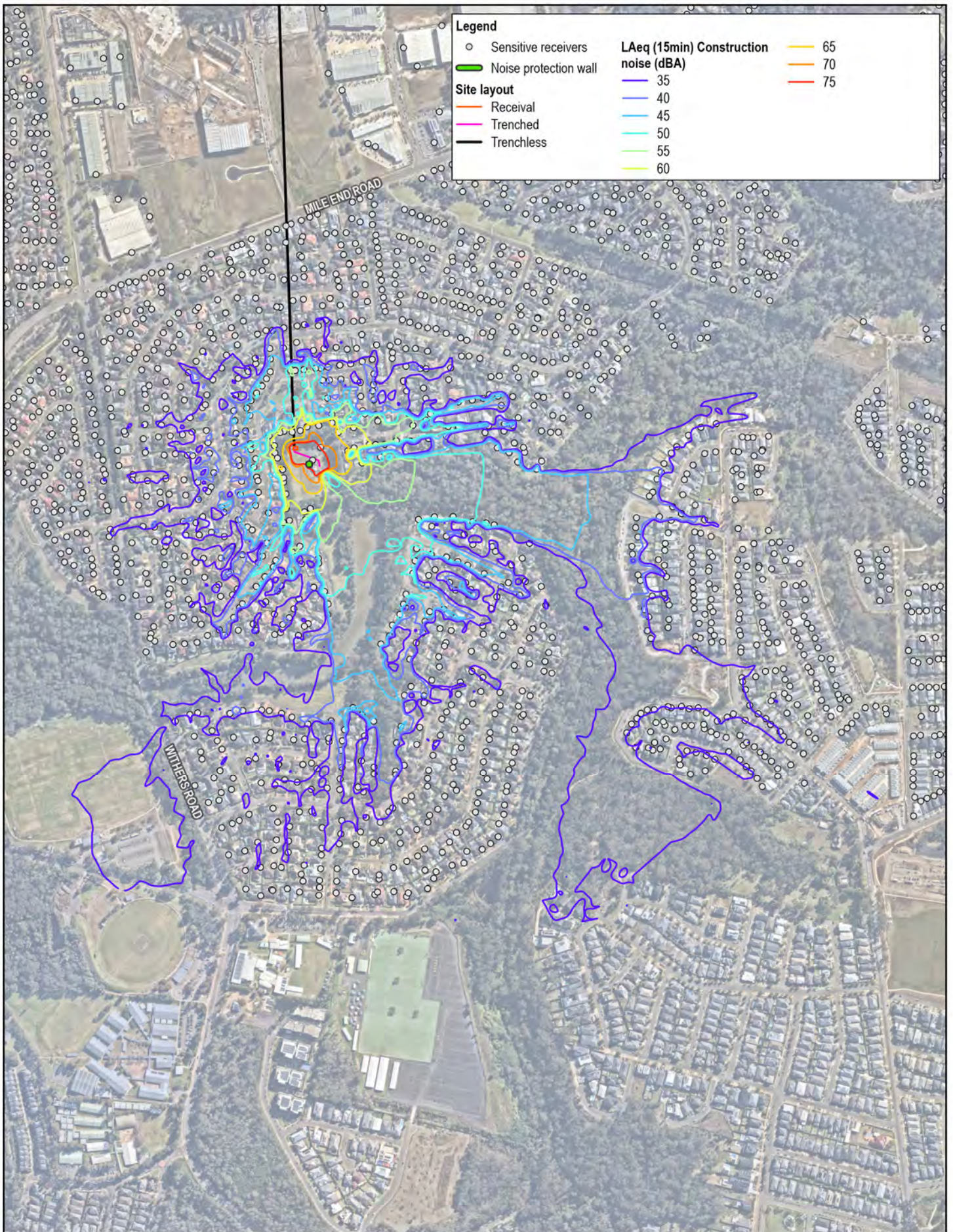


Sydney Water
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SP1022 - Construction scenario CS07
- Without noise barrier

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FIGURE B.17



Map Projection: Transverse Mercator
Horizontal Datum: GDA2020
Grid: GDA2020 MGA Zone 56

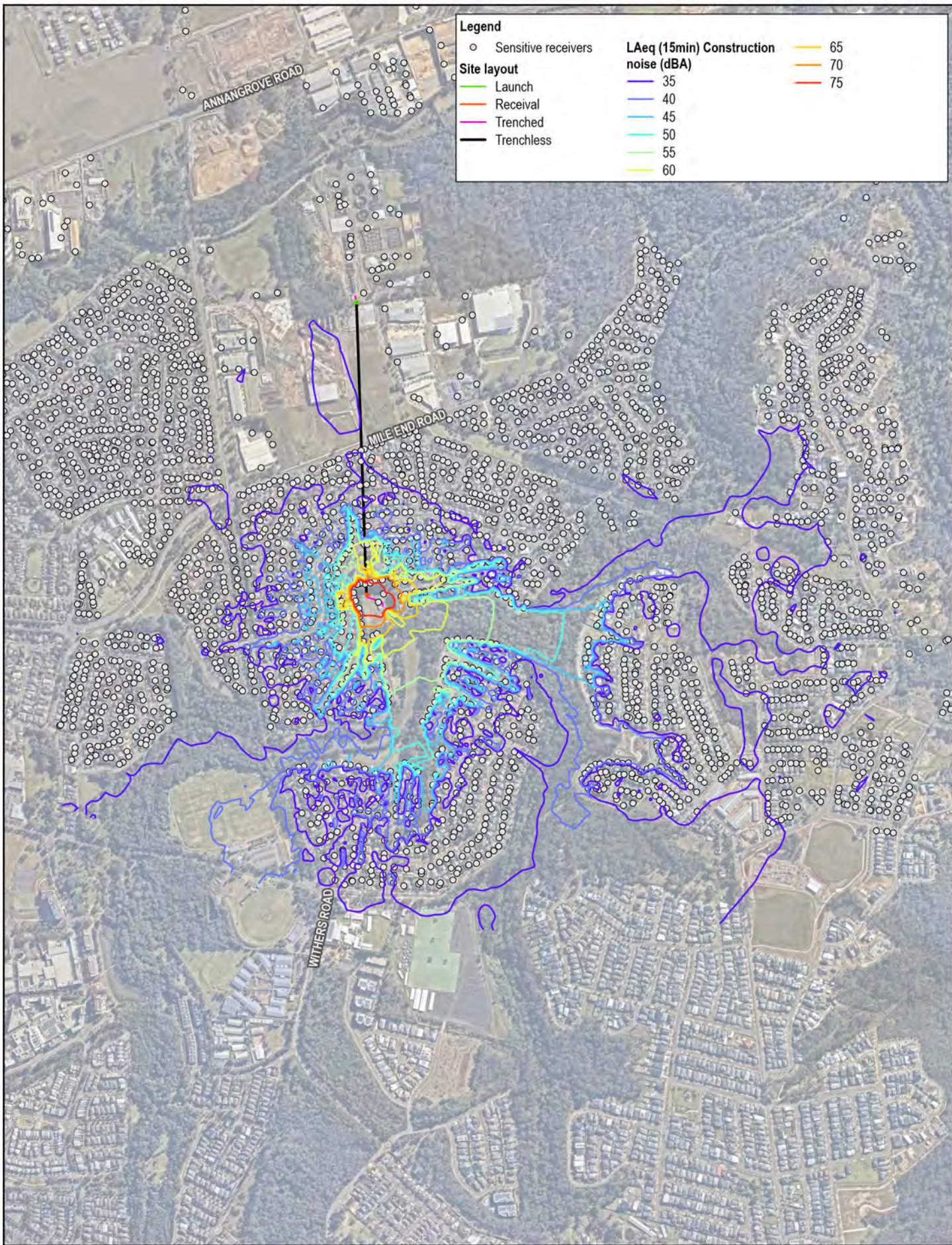


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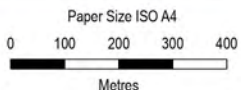
**SP1022 - Construction scenario CS07
- With noise barrier**

FIGURE B.18



Legend

- Sensitive receivers
- Site layout**
- Launch
- Receiving
- Trenched
- Trenchless
- LAeq (15min) Construction noise (dBA)**
- 35
- 40
- 45
- 50
- 55
- 60
- 65
- 70
- 75



Map Projection: Transverse Mercator
 Horizontal Datum: GDA2020
 Grid: GDA2020 MGA Zone 56

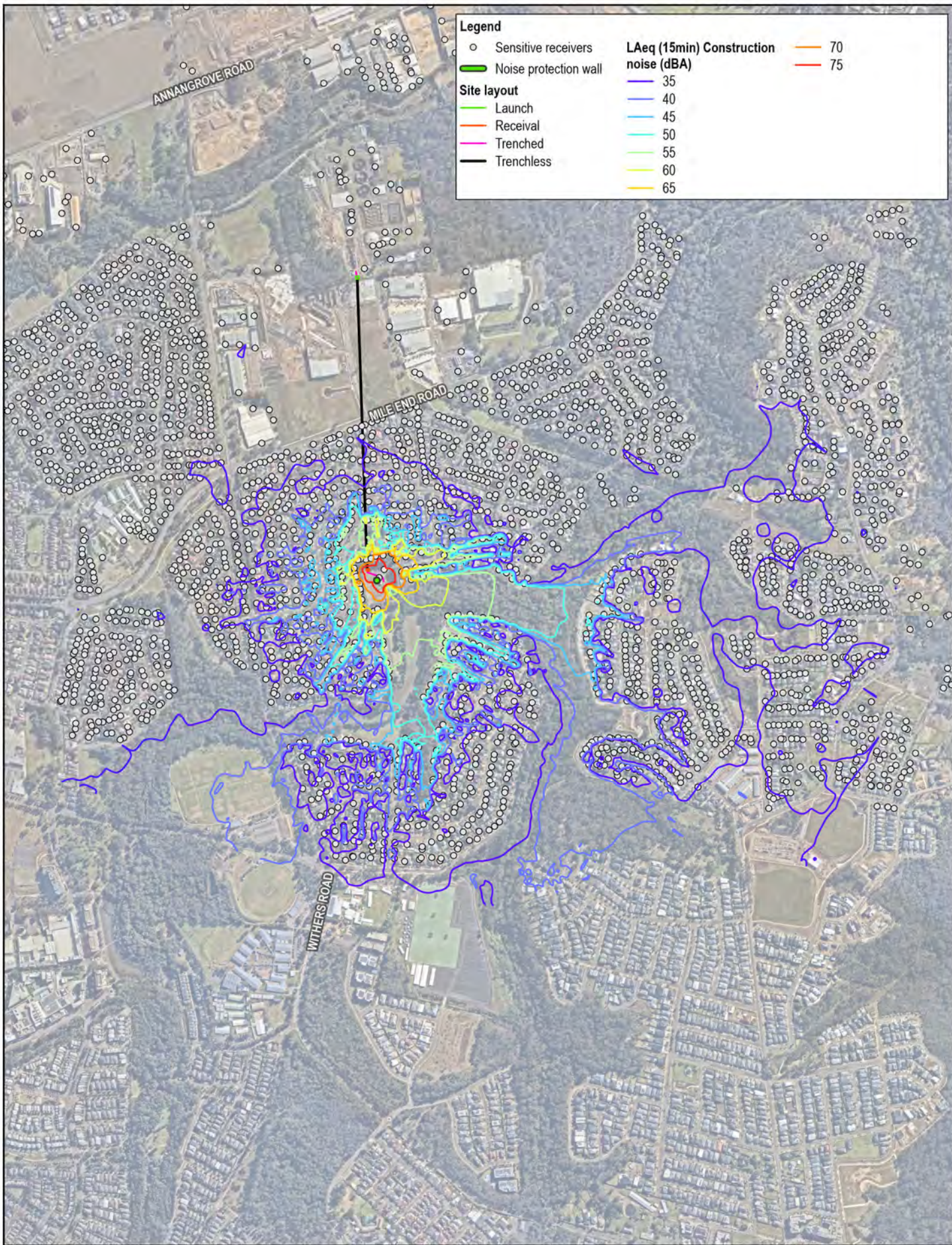


Sydney Water
 Northwest Metro Pressure Main
 Construction Noise and Vibration Impact Assessment

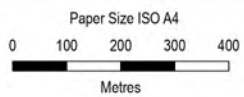
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**SP1022 - Construction scenario CS08
 - Without noise barrier**

FIGURE B.19



Legend	
○ Sensitive receivers	LAeq (15min) Construction noise (dBA)
— Noise protection wall	35
Site layout	40
— Launch	45
— Receival	50
— Trenched	55
— Trenchless	60
	65
	70
	75



Map Projection: Transverse Mercator
 Horizontal Datum: GDA2020
 Grid: GDA2020 MGA Zone 56

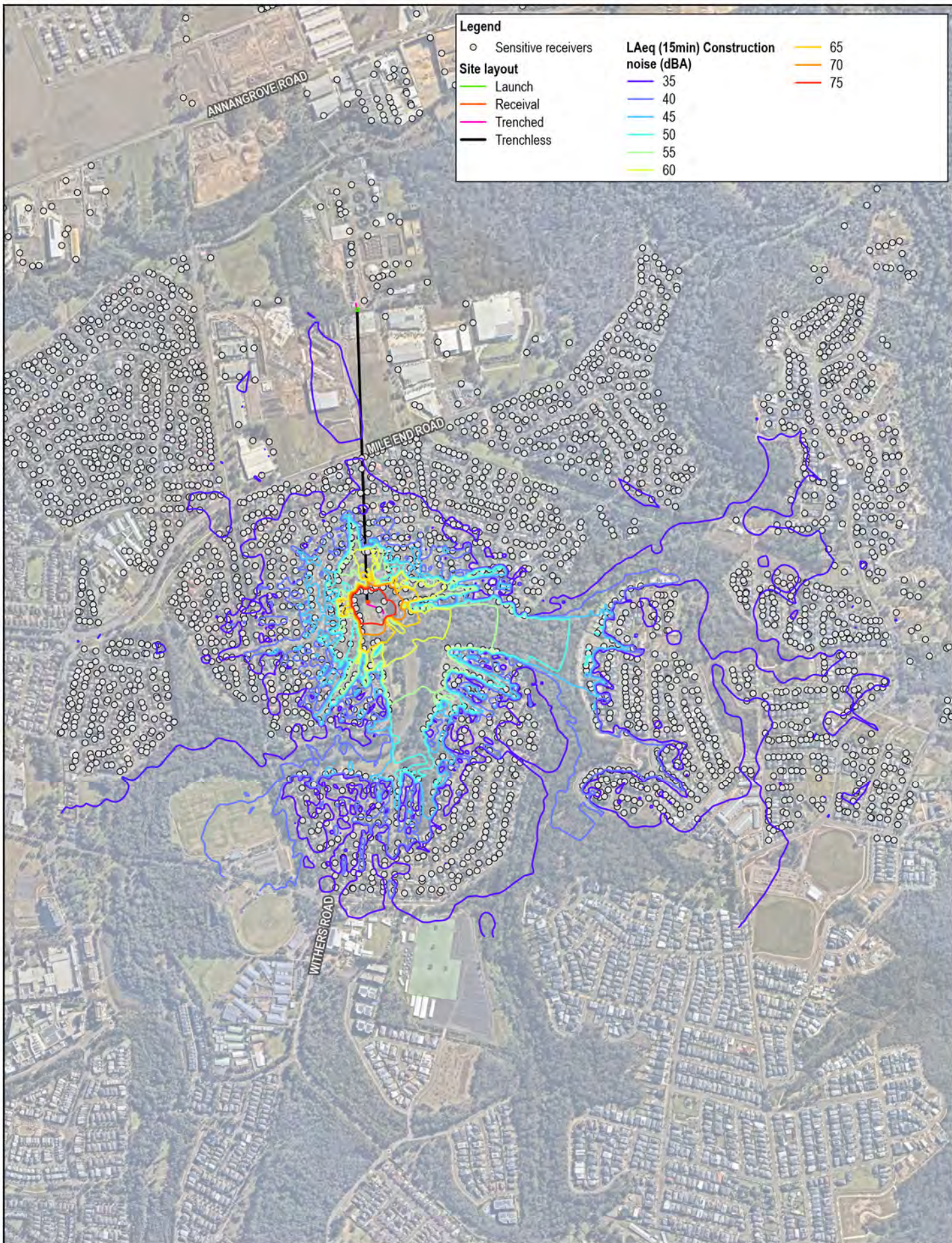


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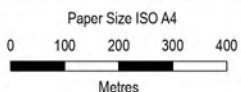
**SP1022 - Construction scenario CS08
 - With noise barrier**

FIGURE B.20



Legend

- Sensitive receivers
- Site layout**
- Launch
- Reveal
- Trenched
- Trenchless
- LAeq (15min) Construction noise (dBA)**
- 35
- 40
- 45
- 50
- 55
- 60
- 65
- 70
- 75



Map Projection: Transverse Mercator
 Horizontal Datum: GDA2020
 Grid: GDA2020 MGA Zone 56

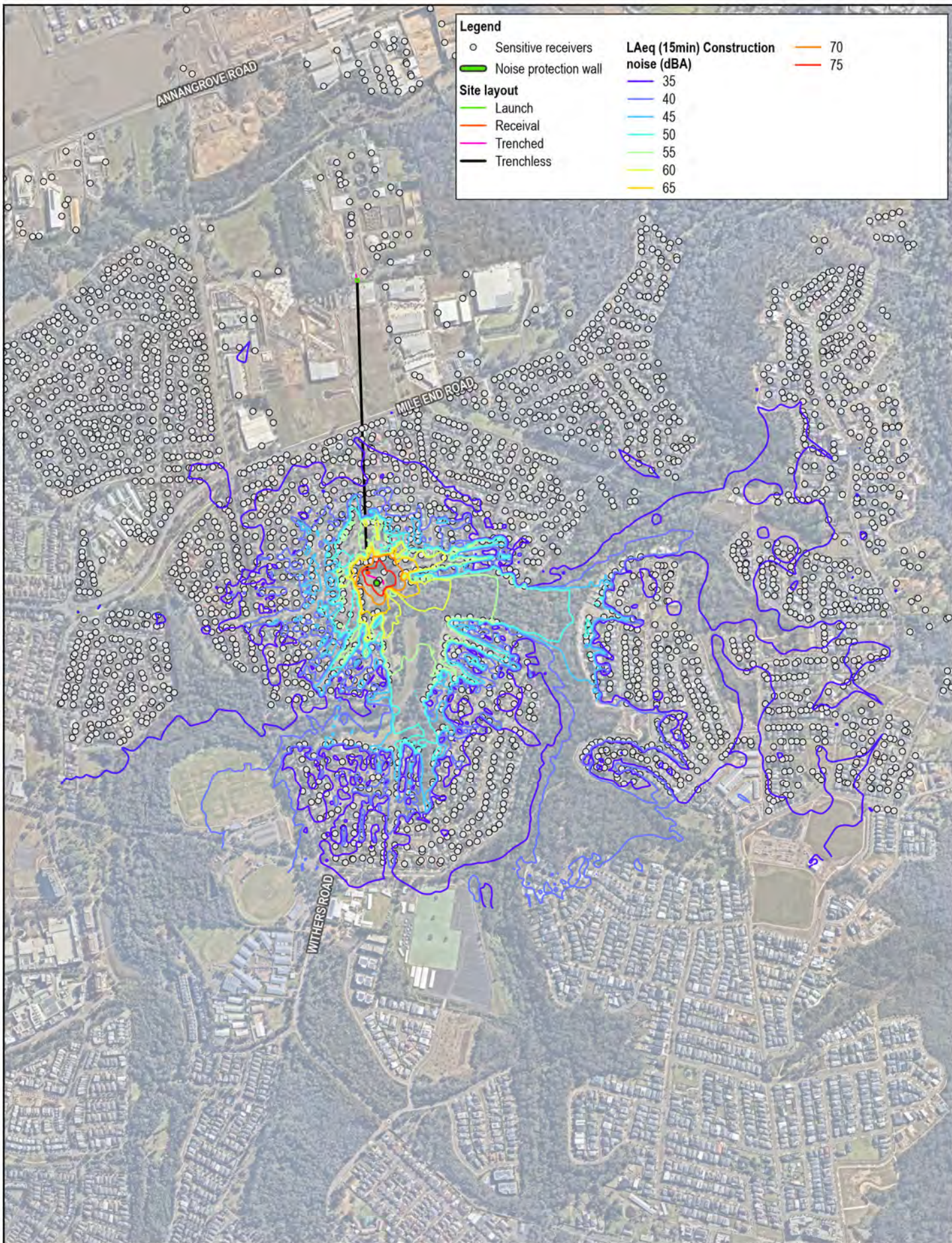


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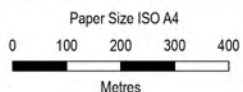
**SP1022 - Construction scenario CS09
 - Without noise barrier**

FIGURE B.21



Legend

- Sensitive receivers
- Noise protection wall
- Site layout**
- Launch
- Receiving
- Trenched
- Trenchless
- LAeq (15min) Construction noise (dBA)**
- 35
- 40
- 45
- 50
- 55
- 60
- 65
- 70
- 75



Map Projection: Transverse Mercator
 Horizontal Datum: GDA2020
 Grid: GDA2020 MGA Zone 56

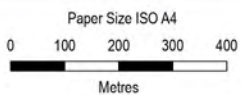
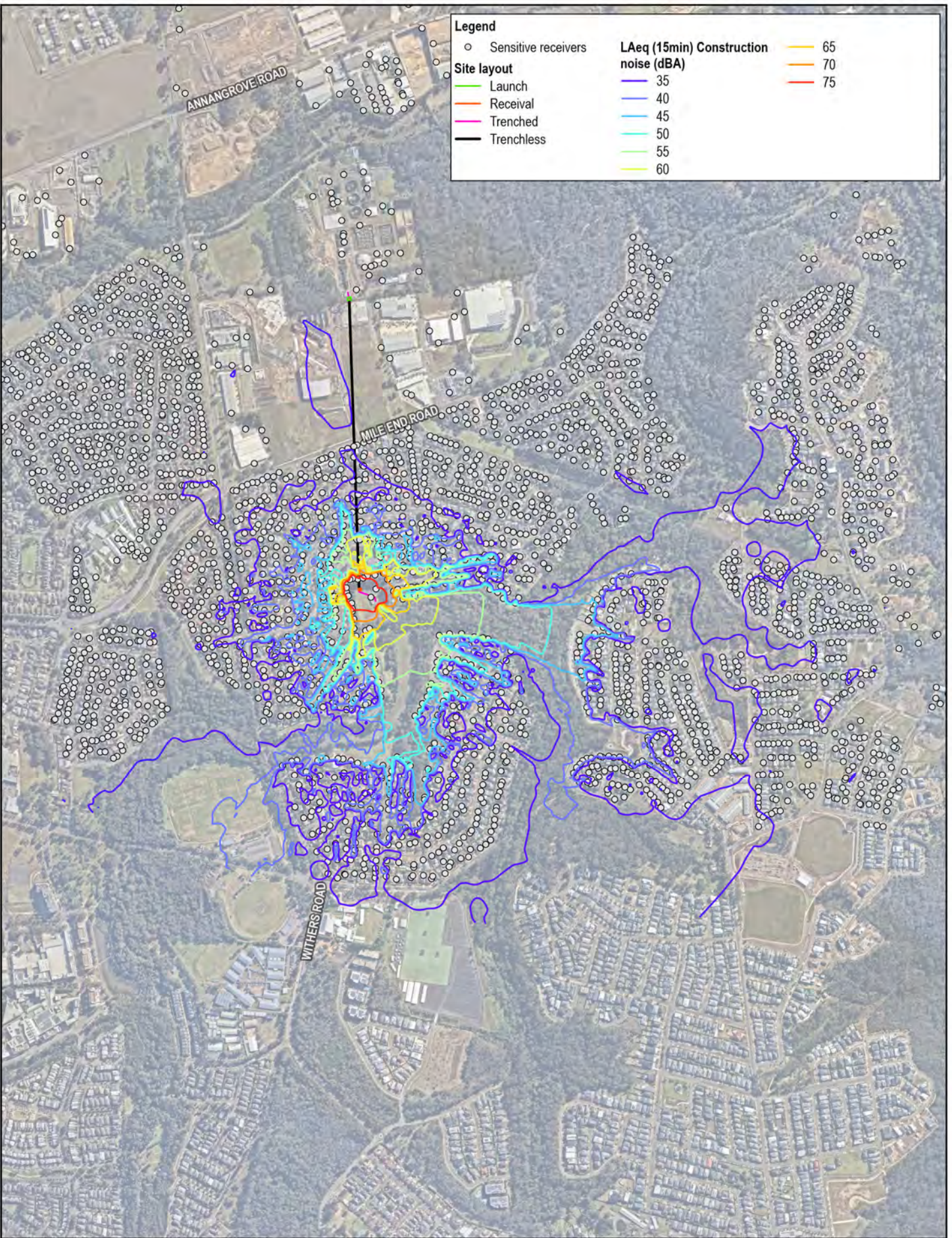


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**SP1022 - Construction scenario CS09
 - With noise barrier**

FIGURE B.22



Map Projection: Transverse Mercator
Horizontal Datum: GDA2020
Grid: GDA2020 MGA Zone 56

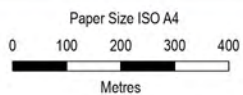
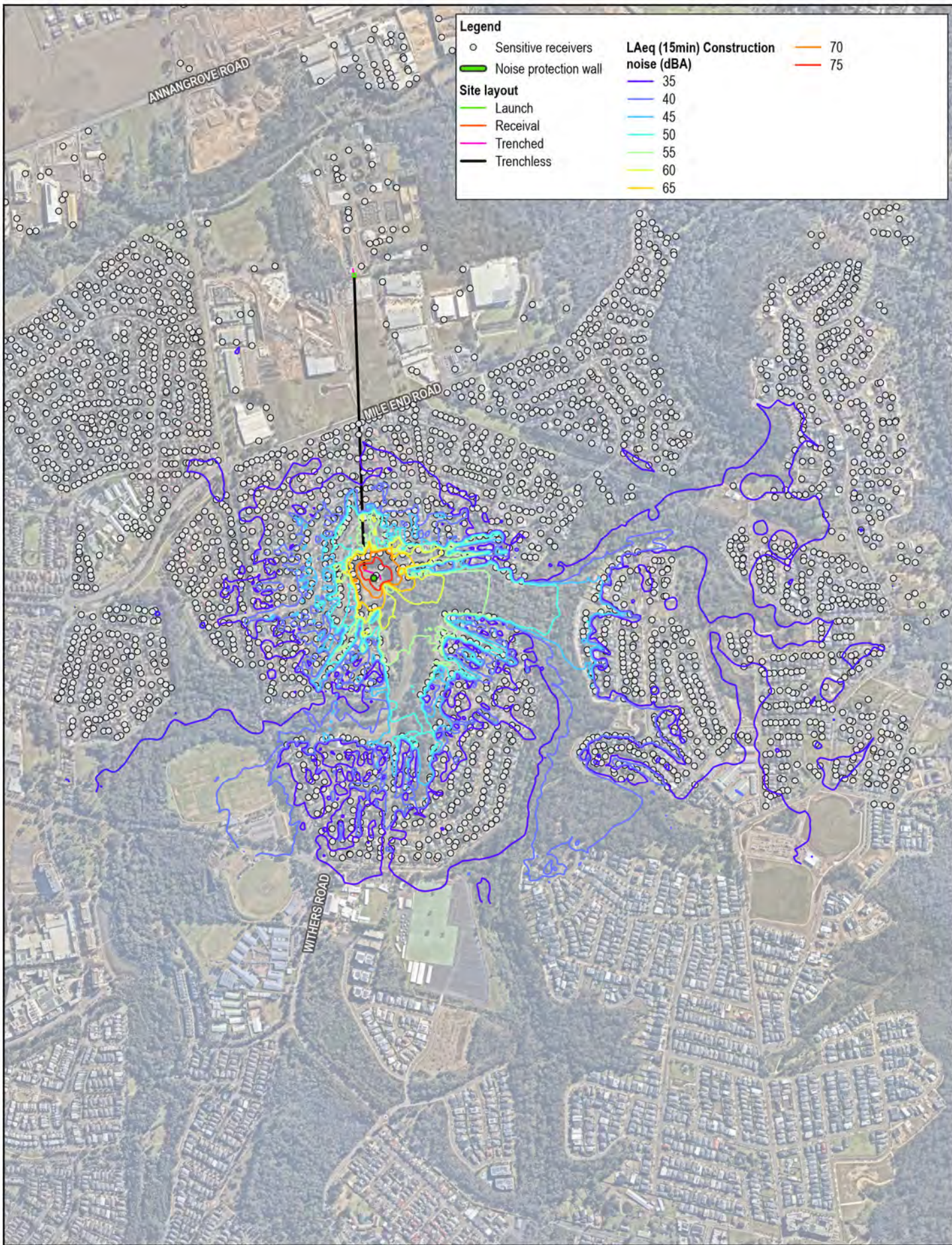


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**SP1022 - Construction scenario CS10
- Without noise barrier**

FIGURE B.23



Map Projection: Transverse Mercator
Horizontal Datum: GDA2020
Grid: GDA2020 MGA Zone 56



Sydney Water
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SP1022 - Construction scenario CS10
- With noise barrier

FIGURE B.24

Appendix C

Construction noise impact predictions

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level			Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																								
				Standard hours	Outside standard hours			WRRF					Lot 96					SP1022					SP1022 with mitigation								
					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS04	CS05	CS06	CS10	CS01	CS03	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10	
1	49 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	25	33	33	32	30	28	25	57	23	29	29	28	25	36	24	29	30	26
2	32 EMPRESS AV, ROUSE HILL NSW 2155	Residential	1	44	39	39	35	14	22	22	21	19	18	14	22	22	21	20	18	34	66	33	38	39	38	34	45	33	38	39	35
3	4 BARNES PL, ROUSE HILL NSW 2155	Residential	2	51	46	44	35	19	27	27	26	24	23	28	36	36	35	33	32	17	50	16	21	21	17	30	16	21	21	17	
4	43 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	29	31	38	39	38	36	34	33	63	32	37	37	37	33	43	32	37	33	
5	77 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	26	34	34	33	31	30	34	64	32	37	38	37	35	44	34	39	39	
7	47 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	49	57	57	56	54	52	39	47	47	46	45	43	23	58	22	27	27	22	37	21	26	26	22	
8	22 ROSS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	14	12	20	20	19	18	16	13	48	11	17	17	17	13	28	12	17	17	
9	4 BILLABONG PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	27	34	35	34	32	30	40	72	38	44	44	44	40	51	38	44	44	
10	33 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	15	12	20	20	19	17	16	21	54	20	25	26	25	23	34	21	27	27	
11	3 ST ANDREWS WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	35	43	43	42	40	39	20	55	18	24	24	24	20	34	18	24	24	
12	18 DALTON CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	45	53	53	52	50	48	49	57	57	56	54	53	24	58	23	28	28	28	26	37	25	30	30	
13	41 MINDARIBBA AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	25	23	31	31	30	28	27	33	67	31	37	37	36	33	46	31	37	37	
14	131 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	31	38	39	38	36	34	38	68	37	42	42	42	39	47	38	43	39	
15	39 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	30	38	38	37	35	33	35	65	33	39	39	39	35	44	33	39	39	
16	24 EMPRESS AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	22	20	18	26	26	25	23	22	23	57	21	27	27	23	37	21	27	27		
17	2 FINGLETON CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	44	52	52	51	49	48	24	32	32	31	29	28	18	52	17	22	22	22	18	31	17	22	22	
18	3 CHAELUNDI CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	33	31	33	41	41	40	38	37	39	69	38	43	43	43	39	48	38	43	39	
19	1 MINDARIBBA AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	32	40	40	39	38	36	34	42	42	41	39	38	49	79	48	53	53	53	49	59	48	53	49	
20	87 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	24	22	24	32	32	31	30	28	22	56	20	26	26	25	23	36	22	27	28	
21	13 WARRUMBUNGLE CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	29	37	37	36	34	32	28	60	27	32	33	32	29	39	28	33	29	
22	4 NEEDLEWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	27	35	35	34	32	30	32	40	40	39	37	36	31	64	29	34	35	34	31	43	29	34	35	
23	31 KUMBATINE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	28	36	36	35	34	32	20	54	18	24	24	23	21	33	19	25	25	
24	12 CLEVELAND CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	22	30	30	29	28	26	48	77	47	52	53	52	49	56	47	53	49	
25	101 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	29	37	37	36	34	33	22	55	21	26	26	26	23	34	21	27	27	
26	10 PARAMOUNT CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	34	32	30	38	38	37	35	34	41	70	40	45	45	45	41	49	40	45	45	
27	30 WELFORD CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	20	28	28	27	25	24	34	64	33	38	38	38	34	44	33	38	38	
28	32 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	25	33	33	32	30	29	26	34	34	33	31	30	22	56	20	26	26	26	22	35	20	26	22	
29	5 BROOKHAVEN ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	25	33	33	32	30	28	24	32	32	31	30	28	11	47	9	15	15	10	27	9	14	14	10	
30	52 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	32	30	35	43	43	42	40	39	37	69	35	41	41	41	37	49	35	41	37	
31	16 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	25	23	21	29	29	28	26	25	43	73	42	47	48	47	43	53	42	47	48	
32	112 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	25	24	20	28	28	27	25	24	20	53	18	24	24	23	19	33	18	23	24	
33	79 KUMBATINE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	18	26	26	25	23	21	25	58	24	29	29	29	25	38	24	29	29	
34	10 PLEASANCE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	30	38	38	37	35	34	30	38	38	37	36	34	12	49	11	16	16	16	12	28	10	15	16	
35	1 HIGHGATE CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	25	33	33	32	30	28	35	68	34	39	39	39	36	47	35	40	41	
37	50 CLOVER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	26	24	27	35	35	34	32	30	23	57	22	27	27	23	36	22	27	27	23	
38	89 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	20	28	28	27	25	24	29	61	28	33	33	33	30	41	29	34	34	
39	8 GARNET PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	27	35	35	34	33	31	37	66	35	40	41	40	36	45	35	40	40	
40	23 FARMINGTON ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	20	28	28	27	25	23	20	27	28	27	25	23	8	45	7	12	12	8	25	7	12	12	8	
41	54 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	25	33	33	32	30	29	34	65	33	38	39	38	37	45	36	41	41	
42	58 CLOVER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	17	25	25	24	22	21	29	37	37	36	34	33	26	58	25	30	30	26	38	26	30	30	26	
43	13 SPOTTEDGUM PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	36	44	44	43	41	40	30	38	38	37	36	34	17	51	16	21	21	21	17	30	16	21	21	
44	2 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	32	30	31	39	39	38	36	35	29	61	28	33	34	33	29	41	28	33	29	
45	320 ANNANGROVE RD, ROUSE HILL NSW 2155	Commercial/Business	2	70	70	70	70	31	39	39	38	36	35	33	41	41	40	38	37	14	50	13	18	19	18	14	29	13	18	19	
46	23 CLEVELAND CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	19	27	27	26	24	23	34	67	33	38	39	38	35	46	33	38	39	
47	6/29 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	44	52	52	51	49	48	49	56	57	56	54	52	24	55	23	28	28	24	35	23	28	28	24	
48	10 PONSFORD AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	38	46	46	45	43	42	36	44	44	43	41	39	19	55	18	23	23	23	19	34	18	23	23	
49	95 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	24	28	36	36	35	33	32	29	63	28	33	33	33	29	42	28	33	29	
51	32 GREENSBOROUGH AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	10	18	18	17	15	13	12	20	20	19	17	16	27	60	26	31	31	31	27	40	26	31	27	
52	16 BARDSLEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	31	29	29	37	37	36	34	33	16	48	15	20	20	15	27	14	19	19	15	
53	4 MCCABE PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	25	24	24	32	32	31	29	28	18	52	16	22	22	21	17	32	16	21	22	
54	71 CLOVER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	38																	

Receiver ID	Address	Land use	Noise Catchment Area	Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																															
				Noise Management Level			WRRF																	Lot 96				SP1022				SP1022 with mitigation			
				Standard hours	Outside standard hours			CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10				
70	18 KINDILEN CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	20	19	27	27	26	25	23	41	71	39	45	45	44	41	50	39	44	45	41				
71	35 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	26	34	34	33	31	29	27	61	25	30	31	30	28	40	26	32	32	28				
72	60 BLADENSBURG RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	15	23	23	22	20	19	26	59	25	30	30	30	26	39	25	30	30	26				
73	34 HIGHLANDS WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	21	20	28	28	27	25	24	17	51	16	21	21	21	18	30	16	22	22	18				
74	52 CLOVER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	24	32	32	31	29	28	26	34	34	33	31	30	22	55	20	26	26	26	22	34	20	26	26	22				
75	22 MILE END RD, ROUSE HILL NSW 2155	Industrial/Utilities	2	70	70	70	70	23	31	31	30	28	26	35	43	43	42	40	39	15	48	14	19	19	17	27	15	21	21	17					
76	91 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	25	33	33	32	30	29	23	55	21	26	27	26	23	34	22	27	27	23				
77	61 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	32	30	29	37	37	36	34	33	19	52	17	23	23	23	19	32	17	23	23	19				
78	314 ANNANGROVE RD, ROUSE HILL NSW 2155	Commercial/Business	2	70	70	70	70	35	43	43	42	40	39	40	48	48	47	45	44	21	56	20	25	25	25	22	36	21	26	26	22				
79	12 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	33	41	41	40	38	37	33	67	32	37	37	37	33	46	32	37	37	33				
80	8 SARABAH ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	26	34	34	33	31	30	30	61	28	34	34	34	31	40	30	35	35	31				
81	52 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	21	23	31	31	30	28	26	23	58	22	27	27	27	23	37	22	27	27	23				
83	25 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	24	32	32	31	29	28	27	35	35	34	32	31	26	60	25	30	31	30	26	39	25	30	31	26				
84	68 WELLGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	21	29	29	28	26	24	34	66	33	38	38	38	35	45	34	39	39	35				
85	9 YELLOWGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	35	32	40	40	39	37	35	25	58	23	28	29	28	24	37	23	28	28	24				
87	26 EMPRESS AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	17	25	25	24	22	21	23	57	22	27	27	27	23	37	22	27	27	23				
88	40 SCRIBBLYGUM CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	25	33	33	32	30	28	27	34	35	34	32	31	56	20	25	25	25	21	35	20	25	25	21					
89	149 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	28	36	36	35	33	32	18	52	17	22	23	22	19	32	18	23	23	19				
90	26 ROSS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	15	13	10	18	18	17	15	14	13	48	11	17	17	17	13	27	11	17	17	13				
91	24 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	37	45	45	44	42	41	30	63	28	33	34	33	30	42	28	33	34	30				
92	64 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	24	25	33	33	32	31	29	33	65	32	37	37	37	33	44	32	37	37	33				
93	19 AUGUSTA CT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	28	27	27	35	35	34	32	31	23	56	22	27	27	27	23	35	22	27	27	23				
94	9 TAYLEE PL, ROUSE HILL NSW 2155	Industrial/Utilities	2	70	70	70	70	24	32	32	31	29	28	27	35	35	34	32	31	95	124	94	99	99	99	95	103	94	99	99	95				
95	26 LONGMEADOW PWY, BOX HILL NSW 2765	Residential	2	44	39	39	35	30	38	38	37	35	33	30	38	38	37	35	34	13	48	11	17	17	17	13	27	11	17	17	13				
96	6 WARRABAH RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	7	15	15	14	12	10	15	23	23	22	20	19	28	56	27	32	32	32	28	35	27	32	32	28				
98	60 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	38	46	46	45	43	42	36	68	35	40	40	40	36	48	35	40	41	36				
99	13 MORRISEY WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	19	16	24	24	23	22	20	18	51	16	21	22	21	19	31	17	22	23	19				
100	42 GREENSBOROUGH AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	10	18	18	17	15	14	14	22	22	21	19	18	28	62	27	32	33	32	28	41	27	32	33	28				
101	7 CLEVELAND CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	24	32	32	31	30	28	29	37	37	36	34	33	35	68	33	39	39	39	35	47	33	39	39	35				
102	14 BERKELEY GR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	17	25	25	24	22	21	15	49	13	19	19	19	15	28	14	19	20	16				
103	11 GRIMMETT AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	28	36	36	35	33	31	28	36	36	35	33	32	16	49	15	20	21	20	16	29	15	20	21	17				
104	6 MCGILLRAY PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	24	32	32	31	29	28	26	34	34	33	31	30	21	54	20	25	25	20	34	19	24	25	20					
105	5A PLEASANCE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	23	31	31	30	28	26	23	30	31	30	28	26	10	47	9	14	14	14	10	26	9	14	14	10				
106	89 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	31	39	39	38	36	35	36	67	34	40	40	39	36	46	34	40	40	36				
107	7 YORLIN PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	37	45	45	44	42	41	25	58	23	29	29	29	25	37	23	29	29	25				
108	46 WELLGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	14	22	22	21	19	18	21	53	19	24	25	24	22	33	20	26	26	22				
109	8 BERKELEY GR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	17	25	25	24	22	21	14	48	13	18	18	15	27	14	19	20	15					
111	58 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	34	42	42	41	39	37	34	67	32	38	38	38	33	46	32	37	38	33				
112	18 GREENSBOROUGH AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	8	16	16	15	13	11	10	18	18	17	15	14	30	61	29	34	34	34	30	41	29	34	34	30				
113	10 HARVARD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	26	33	34	33	31	29	20	52	19	24	24	24	21	31	20	25	25	21				
114	38 WARRAWEE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	20	23	31	31	30	28	26	21	56	19	25	25	25	21	35	19	25	25	21				
115	8 EMPRESS AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	18	26	26	25	23	22	17	51	16	21	22	21	18	30	17	22	22	18				
116	12 PONSFORD AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	41	49	49	48	46	45	40	48	48	47	45	44	18	52	17	22	23	22	18	31	17	22	22	18				
117	40 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	19	27	27	26	24	23	26	34	34	33	31	30	23	57	22	27	27	27	23	36	22	27	27	23				
118	1 CLOVER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	28	27	22	30	30	29	28	26	20	56	19	24	24	24	20	36	19	24	24	20				
119	9 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	28	36	36	35	33	32	38	70	36	42	42	42	38	50	36	42	42	38				
120	12 KNOX PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	34	42	42	41	39	38	65	93	64	69	69	59	73	58	63	63	59					
121	119 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	33	31	39	39	38	36	35	38	69	37	42	43	42	40	48	39	44	45	40				
122	69 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	16	24	24	23	21	20	29	60	27	32	33	32	29	40	27	32	33	29				
123	10 SPRING MILL AV, ROUSE HILL NSW 2155	Residential	1	51	46</																														

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level																					Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)													
				Standard hours	Outside standard hours			WRRF							Lot 96							SP1022							SP1022 with mitigation									
					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS03	CS07	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10						
141	10 MINDARIBBA AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	34	42	42	41	39	38	36	43	44	43	41	39	62	90	61	66	66	66	61	69	59	65	65	61							
142	81 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	15	11	19	19	18	16	15	31	62	29	35	35	34	31	41	29	35	35	31							
143	16 WEEROONA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	40	48	48	47	45	44	45	53	53	52	50	48	25	57	23	29	29	29	26	36	24	30	26								
144	55 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	43	51	51	50	48	47	47	54	55	54	52	50	21	55	19	25	25	25	20	34	19	24	25	21							
146	14 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	21	19	21	29	29	28	26	25	36	66	34	40	40	40	37	45	36	41	41	37							
147	19 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	22	27	35	35	34	32	31	32	62	31	36	36	36	33	41	32	37	37	33							
148	14 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	9	17	17	16	14	13	11	19	19	18	16	15	36	66	35	40	40	40	37	45	35	41	41	37							
149	47 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	45	53	53	52	50	48	50	58	58	57	55	54	24	57	22	28	28	27	24	36	23	28	29	24							
150	13 HIGHLANDS WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	19	27	27	26	24	23	15	47	13	19	19	19	16	27	15	20	21	17							
151	15 MCGILVRAV PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	17	25	25	24	22	20	18	26	26	25	23	22	22	55	20	26	26	26	22	35	20	26	26	22							
152	1 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	23	31	31	30	28	27	28	62	27	32	33	32	28	42	27	32	33	29							
153	3 GARNET PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	26	23	31	31	30	28	27	29	63	27	33	33	33	28	43	27	32	32	28							
154	44 HARVARD CT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	23	31	31	30	29	27	18	49	16	22	22	22	19	29	18	23	23	19							
155	57 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	45	53	53	52	50	49	50	57	58	57	55	53	23	55	21	27	27	27	24	35	22	28	28	24							
156	92 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	42	50	50	49	47	46	35	43	43	42	40	39	19	51	18	23	24	23	19	30	18	23	23	19							
157	64 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	21	29	29	28	26	25	31	63	29	35	35	35	33	42	31	36	37	33							
158	20 SPRING MILL AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	28	27	28	36	36	35	33	32	24	57	23	28	29	28	24	37	23	28	29	25							
159	60 WELGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	19	27	27	26	24	23	24	58	23	28	28	28	26	37	25	30	30	26							
160	5 CHAELUNDI CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	31	39	39	38	37	35	40	70	38	44	44	43	40	49	38	44	44	40							
162	78 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	18	26	26	25	24	22	22	30	30	29	28	26	32	65	31	36	36	32	44	31	36	36	32	28							
163	31 HIGHGATE CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	27	35	35	34	32	30	45	74	44	49	49	49	47	54	46	51	51	47							
164	85 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	22	30	30	29	28	26	24	57	23	28	28	28	25	37	23	29	29	25							
165	4 FINGLETON CT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	29	37	37	36	34	32	29	37	37	36	34	33	21	55	19	25	25	24	21	34	19	25	25	21							
166	25 MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	23	31	31	30	28	27	27	62	26	31	32	31	28	41	27	32	32	28							
167	29 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	21	29	29	28	26	25	27	60	26	31	31	31	28	39	27	32	33	29							
168	29 EMPRESS AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	21	19	27	27	26	24	23	32	65	30	36	36	35	32	44	30	36	36	32							
169	14 FINGLETON CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	24	32	32	31	29	28	30	38	38	37	35	33	19	54	18	23	23	19	33	18	23	23	19								
170	76 THE WATER LANE, BOX HILL NSW 2765	Recreational/Open Space	2	60	60	60	60	40	48	48	47	45	44	39	47	47	46	44	43	27	59	25	30	31	30	27	39	25	30	31	27							
172	13 HYATT CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	23	22	30	30	29	27	26	23	54	22	27	27	27	24	34	23	28	28	24							
173	27 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	23	31	31	30	29	27	24	32	32	31	30	28	28	61	27	32	32	32	28	40	27	32	33	29							
175	35 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	25	33	33	32	31	29	37	70	36	41	41	41	37	49	35	41	41	37							
176	5 NURSERY PL, BOX HILL NSW 2765	Residential	2	44	39	39	35	28	36	36	35	33	32	28	36	36	35	33	32	11	48	9	15	15	11	27	9	14	15	11								
180	8 TALLAGANDA ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	28	36	36	35	33	31	31	61	30	35	35	35	32	41	30	36	36	32							
181	4 CELIA RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	33	31	32	40	40	39	37	36	14	48	13	18	18	14	27	13	18	19	14								
182	14 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	28	36	36	35	33	32	36	68	35	40	40	40	37	47	36	41	41	37							
183	18 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	17	25	25	24	22	21	15	49	14	19	19	19	16	29	14	20	20	16							
184	3 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	15	22	23	22	20	18	45	76	43	49	49	45	55	43	49	49	45								
186	10 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	32	40	40	39	37	36	37	45	45	44	42	41	29	62	27	33	33	33	29	41	27	33	33	29							
187	57 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	21	21	29	29	28	26	25	37	71	36	41	42	41	37	50	36	41	42	37							
188	24 KNOX PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	24	32	32	31	29	27	48	80	47	52	52	47	60	46	51	51	47								
189	11 TIANEY PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	29	29	37	37	36	34	33	39	72	38	43	44	43	39	51	38	43	44	39							
190	7 COCOPARRA CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	16	24	24	23	21	20	32	62	31	36	36	36	32	42	31	36	37	33							
191	25 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	35	43	43	42	41	39	38	46	46	45	43	42	35	67	33	39	39	38	34	46	33	38	39	34							
192	24 BLADENSBURG RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	16	15	23	23	22	20	19	31	62	29	35	35	35	31	41	29	35	35	31							
193	13 SPRING MILL AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	16	24	24	23	21	20	18	25	26	25	23	21	28	61	27	32	32	32	28	40	27	32	32	28							
194	78 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	35	43	43	42	40	38	26	34	34	33	31	30	15	49	14	19	19	15	29	14	19	20	16								
195	41 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	27	25	33	33	32	30	29	28	62	27	32	33	32	29	41	28	33	34	30							
196	2 SETON PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	33	31	38	39	38	36	34	25	59	24	29	30	29	27	39	26	31	31	27							
197	72 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	37	45	45	44	42	40	36	44	44	43	41	40	18	52	17	22	23	22	18	32	16	22	22								

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level			Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																								
				Standard hours	Outside standard hours			WRRF					Lot 96					SP1022					SP1022 with mitigation								
					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10	
219	14 RIVERGUM WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	22	30	30	29	27	26	24	32	32	31	29	28	32	65	31	36	36	36	31	44	29	35	35	31
220	59 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	22	27	34	35	34	32	30	63	28	33	34	33	31	42	29	35	35	31	
221	69 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	14	22	22	21	19	18	21	54	19	24	25	24	21	33	19	25	25	21
222	132 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	19	17	16	24	24	23	21	20	21	56	20	25	25	25	21	36	20	25	25	21
223	46 ROSS PL, NORTH KELLYVILLE NSW 2155	Industrial/Utilities	2	70	70	70	70	27	35	35	34	32	30	26	34	34	33	31	30	7	40	5	10	11	10	8	20	6	11	12	8
224	9A NURSERY PL, BOX HILL NSW 2765	Residential	2	44	39	39	35	31	39	39	38	36	34	30	38	38	37	35	34	13	49	11	16	17	16	12	29	10	15	16	12
225	3 KINDLEIN CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	32	40	40	39	38	36	44	71	43	48	48	48	40	51	38	44	44	40
226	23 CARMELITA CTT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	38	46	46	45	43	42	41	49	49	48	46	45	29	59	28	33	34	33	29	38	27	33	33	29
227	27 EMPRESS AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	18	26	26	25	23	22	21	53	19	24	25	24	21	33	19	24	25	21
228	56 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	20	27	28	27	25	23	25	60	24	29	30	29	26	39	25	30	30	26
229	19 SCRIBBLYGUM CTT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	18	26	26	25	24	22	20	28	28	27	25	24	22	57	21	26	26	26	22	36	21	26	26	22
230	117 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	18	26	26	25	23	22	21	56	19	25	25	25	21	35	20	25	25	21
231	71 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	33	41	41	40	38	37	33	41	41	40	38	37	23	54	21	27	27	26	23	33	22	27	28	23
232	22 WARRAWEE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	15	14	9	17	17	16	14	13	10	46	9	14	15	14	12	25	10	15	16	12
234	23 HARVARD CTT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	21	29	29	28	26	25	25	59	24	29	30	29	26	39	25	30	31	26
235	28 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	21	29	29	28	26	25	26	59	25	30	30	30	27	38	26	31	31	27
236	4 CAPITAL PL, ROUSE HILL NSW 2155	Industrial/Utilities	1	70	70	70	70	32	40	40	39	37	36	32	40	40	39	37	36	17	52	15	21	21	20	17	32	15	20	21	17
237	32 SCRIBBLYGUM CTT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	27	35	35	34	32	31	30	38	38	37	35	33	22	56	20	26	26	26	22	36	20	26	26	22
238	157 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	28	36	36	35	33	32	20	54	19	24	24	24	21	33	20	25	26	22
239	12 BARAKEE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	17	25	25	24	22	21	18	53	17	22	22	22	18	32	17	22	22	18
240	8 WELLGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	21	19	16	24	24	23	21	20	22	57	20	25	26	25	23	37	22	27	28	24
241	97 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	27	35	35	34	33	31	25	58	24	29	30	29	27	38	25	31	31	27
242	12 LINDEMAN CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	32	40	40	39	37	36	24	54	22	28	28	28	24	34	22	28	28	24
243	12 TAYLEE PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	29	37	37	36	34	32	67	94	65	71	71	70	67	74	65	70	71	67
244	8 STANFORD CTT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	36	44	44	43	41	39	25	56	23	28	29	28	26	35	24	30	30	26
245	13 BARDSLEY CTT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	21	29	29	28	26	25	21	29	29	28	27	25	15	49	14	19	20	19	15	29	14	19	20	16
246	1 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	17	25	25	24	22	21	20	28	28	27	25	24	19	54	18	23	23	19	34	18	23	23	19	
247	5 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	27	24	32	32	31	29	28	28	58	26	31	32	31	28	37	26	32	32	28
249	7 KNOX PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	33	41	41	40	38	37	70	98	69	74	74	74	64	77	63	68	68	64
250	12 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	18	22	30	30	29	28	26	30	62	28	34	34	34	31	41	30	35	35	31
251	7 SPOTTEDGUM PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	40	48	48	47	45	44	16	50	15	20	20	16	29	15	20	20	16	
252	32 GREYGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	29	37	37	36	34	33	20	28	28	27	26	24	23	55	22	27	27	27	23	35	22	27	27	23
253	14 HYATT CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	26	34	34	33	31	30	24	56	22	27	28	27	24	36	23	28	29	25
254	26 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	23	31	31	30	29	27	25	33	33	32	30	29	32	63	31	36	36	36	33	42	31	37	37	33
255	38 SCRIBBLYGUM CTT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	31	30	27	35	35	34	33	31	22	56	20	26	26	26	22	36	20	26	26	22
256	8 CELIA RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	25	23	22	30	30	29	27	26	15	49	14	19	19	19	15	28	14	19	20	15
257	3 DALTON CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	32	40	40	39	37	36	45	53	53	52	50	49	24	55	22	28	28	25	35	23	29	29	25	
258	16 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	34	42	42	41	40	38	38	46	46	45	43	42	30	63	29	34	35	34	30	42	29	34	35	30
259	40 MAILEY CTT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	38	46	46	45	43	42	46	54	54	53	51	50	23	58	22	27	28	27	23	37	22	27	27	23
260	11 PLEASANCE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	33	41	41	40	38	37	32	40	40	39	37	36	13	50	12	17	18	17	13	29	12	17	17	13
261	39 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	35	43	43	42	40	39	40	48	48	47	46	44	30	64	29	34	35	34	30	43	29	34	34	30
262	133 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	32	30	28	36	36	35	33	32	35	64	34	39	39	39	35	44	34	39	39	35
263	39 MINDARIBBA AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	22	30	30	29	27	26	40	72	39	44	44	44	40	51	39	44	44	40
264	46 HARVARD CTT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	28	26	33	34	33	31	29	21	55	20	25	25	25	21	35	20	25	25	21
265	12 HARVARD CTT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	20	28	28	27	25	24	20	53	19	24	25	24	22	32	20	25	26	22
266	8 WARRUMBUNGLE CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	22	30	30	29	27	26	32	62	30	35	36	35	32	41	31	36	36	32
267	20 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	27	35	35	34	32	31	32	63	31	36	36	36	33	42	32	37	37	33
268	100 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	26	34	34	33	31	29	23	54	21	27	27	26	23	33	22	27	28	23
269	7 YELLOWGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	34	30	38	38	37	35	34	25	59	23	28	29	28	24	38	23	28		

Receiver ID	Address	Land use	Noise Catchment Area	Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																											
				Noise Management Level			WRRF																								
				Standard hours	Outside standard hours			Lot 96							SP1022					SP1022 with mitigation											
Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS07	CS08	CS09	CS10	CS01	CS07	CS08	CS09	CS10							
287	33 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	24	23	31	31	30	28	27	39	71	38	43	44	43	38	50	37	42	43	38
288	32 HIGHLANDS WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	18	26	26	25	23	22	15	49	14	19	20	19	17	28	15	20	21	17
289	1 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	33	31	27	34	35	34	32	30	20	54	18	24	24	24	20	34	18	24	24	20
290	42 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	6	14	14	13	11	10	7	15	15	14	12	11	27	58	26	31	32	31	27	38	25	31	31	27
291	6 GROUT PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	37	45	45	44	42	41	39	47	47	46	44	43	18	53	16	22	22	21	18	32	16	22	22	18
292	25 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	27	35	35	34	32	31	18	50	16	21	22	21	18	30	16	21	22	18
293	16 WILLANDRA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	3	11	11	10	8	7	4	12	12	11	9	8	30	60	28	34	34	33	31	39	29	35	35	31
294	3 REDBUSH CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	29	37	37	36	34	33	31	39	39	38	36	35	31	64	29	34	35	34	30	43	29	34	34	30
295	45 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	33	40	41	40	38	36	24	55	23	28	28	28	24	35	23	28	29	25
296	46 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	18	25	26	25	23	21	24	58	23	28	28	28	25	38	23	29	29	25
297	3 MARYLAND ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	21	19	16	24	24	23	22	20	31	62	30	35	35	35	31	41	30	35	35	31
298	14 YELLOWGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	34	42	42	41	39	38	34	42	42	41	39	38	25	58	23	28	29	28	24	38	23	28	28	24
299	8 KURNELL PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	33	40	41	40	38	36	32	63	31	36	37	36	32	43	31	36	37	32
300	75 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	9	17	17	16	14	13	11	19	19	18	16	15	35	65	34	39	40	39	37	45	36	41	42	37
301	24 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	47	55	55	54	52	51	46	54	54	53	51	49	13	45	12	17	17	17	13	25	12	17	17	13
302	22 LONGMEADOW PWY, BOX HILL NSW 2765	Residential	2	44	39	39	35	32	40	40	39	37	35	33	40	41	40	38	36	16	51	15	20	20	20	16	30	14	20	20	16
303	20 COACHWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	34	42	42	41	39	38	37	44	45	44	42	40	22	54	21	26	27	26	22	33	21	26	27	22
305	6 PONSFORD AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	38	46	46	45	43	42	40	40	39	37	35	20	55	19	24	25	24	20	35	18	24	24	20	16
306	1 CHEVRON PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	29	29	37	37	36	34	33	26	59	25	30	30	30	26	38	25	30	30	26
307	22 KUMBATINE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	27	35	35	34	32	31	33	63	32	37	37	37	34	43	33	38	38	34
308	5 KURNELL PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	17	30	38	38	37	35	33	15	50	13	19	19	19	15	29	13	19	19	15
309	36 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	29	37	37	36	34	32	33	64	32	37	37	37	34	43	32	37	38	34
310	7 HOPKINS CT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	28	36	36	35	33	32	26	56	25	30	30	30	26	35	25	30	31	27
311	11 DENNISON CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	28	27	35	35	34	32	31	56	86	55	60	61	60	56	65	55	60	60	56
312	8 EXPEDITION ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	31	39	39	38	36	35	36	66	34	40	40	40	36	45	34	40	40	36
313	19 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	27	25	23	31	31	30	29	27	28	61	26	32	32	31	28	41	27	32	33	29
314	16 FARMINGTON ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	27	35	35	34	32	30	29	37	37	36	34	33	13	49	12	17	17	17	11	28	9	15	15	11
315	23 PLEASANCE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	25	33	33	32	30	28	29	37	37	36	34	33	11	46	9	15	15	15	10	26	9	14	15	10
316	29 WARRABAH RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	23	31	31	30	29	27	30	63	29	34	34	34	31	42	30	35	35	31
317	13 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	39	47	46	44	43	33	67	31	37	37	37	33	46	31	37	37	33	
319	5 WELFORD CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	31	38	39	38	36	34	15	49	14	19	19	19	15	29	14	19	19	15
320	2 NOBLE WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	35	31	39	39	38	36	34	17	52	16	21	21	21	17	32	16	21	21	17
321	32 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	29	28	36	36	35	33	32	29	62	27	33	33	33	29	42	27	33	33	29
322	22 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	20	28	28	27	25	24	31	63	30	35	35	35	31	42	30	35	35	31
324	13 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	23	31	31	30	29	27	30	63	29	34	34	34	31	42	30	35	35	31
325	38 LIMESTONE RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	31	39	39	38	36	35	30	38	38	37	36	34	16	49	15	20	20	20	12	29	11	16	16	12
326	10 NEEDLEWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	38	37	37	45	45	44	42	41	30	63	29	34	34	34	30	42	29	34	34	30
327	5 YORLIN PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	35	43	43	42	41	39	41	49	49	48	46	45	28	59	27	32	33	32	28	38	27	32	33	28
328	9 SETON PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	26	26	33	34	33	31	29	23	56	22	27	27	27	24	36	22	27	28	24
330	14 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	46	54	54	53	51	50	45	53	53	52	50	49	15	51	14	19	19	19	15	30	14	19	19	15
331	11 COACHWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	29	37	37	36	34	33	23	31	31	30	28	27	24	56	22	28	28	28	24	35	22	28	28	24
333	13 MINSTREL PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	32	40	40	39	37	36	35	67	33	38	39	38	35	46	33	38	39	35
334	18 NOBLE WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	30	38	38	37	35	34	27	35	35	34	32	31	17	51	16	21	21	21	17	30	16	21	21	17
335	10 EMPRESS AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	23	20	28	28	27	25	24	16	50	15	20	20	17	29	16	21	21	17	
337	16 WATERFLOW ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	21	29	29	28	26	25	22	30	30	29	27	26	10	47	9	14	15	14	10	27	9	14	15	10
338	20 CELIA RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	21	19	17	25	25	24	22	21	18	48	17	22	22	22	13	27	12	17	17	13
339	13 EVERGREEN WAY, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	21	29	29	28	26	25	37	68	35	40	41	40	37	48	35	40	41	37
340	30 LONGMEADOW PWY, BOX HILL NSW 2765	Residential	2	44	39	39	35	28	36	36	35	33	32	28	36	36	35	34	32	12	48	11	16	16	16	12	28	11	16	16	12
341	10 EXPEDITION ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	28	36	36	35	34	32	32	62	31	36	36	36	33	42	32	37	37	33

Receiver ID	Address	Land use	Noise Catchment Area	Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																															
				Noise Management Level				WRRF																Lot 96				SP1022				SP1022 with mitigation			
				Standard hours	Outside standard hours			CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10					
358	23 AUGUSTA CT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	17	25	25	24	22	21	21	29	29	28	26	24	21	56	20	25	26	25	21	36	20	25	26	22				
359	14 MCGILVRAY PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	31	30	23	31	31	30	28	27	20	53	19	24	24	24	20	32	19	24	24	20				
360	75 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	31	30	28	27	23	31	31	30	28	27	16	50	15	20	21	20	16	29	15	20	21	17			
361	2 INDALIA CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	25	33	33	32	30	29	24	57	22	28	28	28	24	36	22	28	28	24				
362	4 FINGLETON CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	37	45	45	44	42	40	35	43	43	42	40	39	16	47	14	20	20	19	16	27	14	20	20	16				
363	7 WARRUMBUNGLE CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	25	33	33	32	30	29	34	63	32	38	38	38	35	43	34	39	39	35				
364	9 BARAKEE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	16	24	24	23	21	20	21	55	20	25	25	25	21	35	20	25	25	21				
365	22 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	27	35	35	34	32	31	32	40	40	39	37	36	22	57	20	26	26	26	22	36	20	26	26	22				
366	3 PLEASANCE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	31	39	39	38	36	35	31	38	39	38	36	34	13	48	11	17	17	16	13	27	11	17	17	13				
367	9 FINGLETON CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	29	37	37	36	34	33	29	37	37	36	34	33	21	55	20	25	26	25	21	35	20	25	25	21				
368	38 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	22	30	30	29	27	26	26	59	24	30	30	29	26	39	25	30	30	26				
369	6 DALTON CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	37	45	45	44	42	40	40	48	48	47	45	44	26	57	24	30	30	30	26	37	25	30	31	27				
370	8 DENNISON CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	35	43	43	42	41	39	37	45	45	44	43	41	34	64	33	38	38	38	34	44	35	38	38	34				
371	13 GRIMMETT AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	35	43	43	42	40	39	32	39	40	39	37	35	21	56	19	25	25	25	21	35	19	25	25	21				
372	11 MCGILVRAY PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	28	36	36	35	33	32	24	32	32	31	29	28	20	54	18	23	24	23	20	33	18	23	24	20				
373	1 PARAMOUNT CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	30	38	38	37	35	34	41	70	39	45	45	45	41	49	40	45	45	41				
374	5 HOPKINS CT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	28	36	36	35	33	31	24	55	23	28	29	28	25	34	24	29	30	26				
375	12 BRUCE PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	23	31	31	30	28	27	25	57	24	29	30	29	25	37	24	29	30	25				
376	75 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	26	34	34	33	31	30	33	67	32	37	38	37	33	46	32	37	38	33				
377	34 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	23	21	23	31	31	30	29	27	30	61	28	34	34	33	30	40	29	34	34	30				
378	5 ROSS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	24	32	32	31	29	28	12	48	11	16	16	16	12	27	11	16	16	12				
379	9 ROSS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	26	34	34	33	31	29	11	46	9	14	15	14	11	25	10	15	16	11				
380	66 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	7	15	15	14	12	10	8	16	16	15	13	11	25	58	23	29	28	27	38	26	31	31	27					
381	103 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	21	29	29	28	26	25	35	66	34	39	39	39	35	45	34	39	39	35				
382	163 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	37	45	45	44	42	41	27	35	35	34	32	31	16	50	14	20	20	19	16	29	15	20	21	17				
383	23 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	22	20	18	26	26	25	23	22	29	62	28	33	34	33	29	42	28	33	34	29				
385	320 ANNANGROVE RD, ROUSE HILL NSW 2155	Commercial/Business	2	70	70	70	70	31	39	39	38	36	35	31	39	39	38	36	35	13	49	12	17	18	17	13	29	12	17	18	13				
386	82 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	19	17	25	25	24	22	21	25	60	24	29	30	29	25	39	24	29	30	25				
387	19-25 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	42	50	50	49	47	46	46	53	54	53	51	49	26	58	24	29	30	29	26	38	24	29	30	26				
388	14 BRUCE PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	18	26	26	25	23	22	29	60	27	33	33	30	39	29	34	34	30					
389	20 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	35	43	43	42	41	39	40	48	48	47	45	44	27	58	26	31	31	31	28	37	27	32	33	28				
390	91 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	21	29	29	28	26	25	35	65	34	39	39	39	36	44	35	40	40	36				
391	23 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	27	35	35	34	32	31	29	60	27	33	33	32	31	39	29	35	35	31				
392	3 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	17	25	25	24	22	21	20	28	28	27	25	24	19	54	18	23	23	23	19	33	18	23	23	19				
394	5 GRIMMETT AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	25	24	20	28	28	27	25	24	19	53	18	23	23	23	19	32	18	23	23	19				
395	7 NUNKERE CR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	23	30	31	30	28	26	74	103	73	78	79	78	64	82	62	68	68	64				
396	9 KINDLEIN CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	19	27	27	26	24	23	39	69	37	43	43	43	39	47	37	43	43	39				
397	81 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	27	25	23	31	31	30	28	27	31	62	30	35	35	35	41	41	30	35	35	31				
398	2 WICKLOW PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	37	45	45	44	42	41	40	48	48	47	45	44	30	58	28	33	34	33	29	37	28	33	33	29				
399	35 YELLOWGOW AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	29	37	37	36	34	33	38	46	46	45	43	41	22	56	21	26	26	26	22	36	21	26	26	22				
400	7 MINDARIBBA AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	29	28	36	36	35	33	32	49	80	48	53	53	53	50	59	49	54	54	50				
401	48 WELLGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	18	26	26	25	23	22	23	57	22	27	27	27	24	36	23	28	29	25				
402	97 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	31	30	28	36	36	35	33	32	18	52	16	22	22	22	18	31	16	22	22	18				
403	10 WICKLOW PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	38	46	46	45	43	41	41	49	49	48	46	45	28	58	26	32	32	32	27	37	26	31	31	27				
404	8 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	27	35	35	34	32	31	28	36	36	35	33	31	22	56	20	26	26	26	22	35	20	26	26	22				
405	5 BARAKEE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	19	20	28	28	27	25	23	20	55	18	23	24	23	20	34	18	23	24	20				
406	3 WEERONA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	37	45	45	44	42	41	43	51	51	50	48	47	34	66	32	37	38	37	33	46	32	37	38	34				
407	6 NEST HILL APP, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	18	26	26	25	23	22	20	53	18	23	24	23	19	33	17	23	23	19				
408	39 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	32	40	40	39	37	36	34	42	42	41	39	38	34	67	33	38	38	38	33	47	32	37	37	33				
409	10 WATTLEIDGE																																		

Receiver ID	Address	Land use	Noise Catchment Area	Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																																
				Noise Management Level				WRRF												Lot 96						SP1022						SP1022 with mitigation				
				Standard hours	Outside standard hours			CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10					
429	4 DALTON CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	39	47	46	44	43	25	57	24	29	29	29	26	36	25	30	26	20	16	29	15	20	20	16
430	4 PELLGRINO GR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	34	42	42	41	39	38	17	25	25	24	22	21	16	49	15	20	20	20	16	29	15	20	20	20	16	29	15	20	16
431	14 PLEASANCE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	28	36	36	35	33	32	28	35	36	35	33	31	13	47	11	16	17	16	11	26	9	15	15	11	11	11	11	11	11
432	13 DENNISON CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	21	29	29	28	26	25	35	68	33	39	39	39	35	47	34	39	39	35	47	34	39	39	35
433	10 WELFORD CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	20	18	16	24	24	23	21	20	34	64	33	38	38	34	43	33	38	39	34	43	33	38	39	34	
434	41 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	28	28	36	36	35	33	32	32	65	30	35	36	35	33	44	31	37	37	33	44	31	37	37	33
435	1 SANDLEWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	35	32	39	40	39	37	35	31	64	30	35	35	31	44	30	35	35	31	44	30	35	35	31	
437	21 LIMESTONE RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	34	42	42	41	39	38	34	42	42	41	39	38	20	54	19	24	25	24	15	33	13	19	19	15	15	15	15	15	15
438	22 GREEN HILLS DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	22	30	30	29	28	26	26	34	34	33	31	30	19	54	18	23	23	23	19	33	18	23	23	19	33	18	23	23	19
439	20 AUGUSTA CT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	14	22	22	21	19	18	26	34	34	33	31	30	24	58	23	28	28	28	24	37	23	28	28	24	37	23	28	28	24
440	4 HYATT CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	24	32	32	31	29	28	23	57	22	27	28	27	24	36	22	28	28	24	36	22	28	28	24
441	6 MINSTREL PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	32	40	40	39	37	36	37	45	45	44	42	41	32	63	30	36	36	32	43	30	36	36	32	43	30	36	36	32	
442	9 HIGHLANDS WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	24	22	19	27	27	26	24	23	15	47	14	19	19	19	16	26	15	20	20	16	26	15	20	20	16
443	1 MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	15	13	21	21	20	18	17	22	56	20	26	26	22	36	21	26	27	22	36	21	26	27	22	
444	3 HARVARD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	22	30	30	29	28	26	23	57	21	27	27	27	23	36	22	27	27	23	36	22	27	27	23
445	27 HARVARD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	28	27	35	35	34	32	31	22	54	21	26	26	26	23	34	22	27	27	23	34	22	27	27	23
446	97 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	24	32	32	31	29	28	23	57	22	27	28	27	23	36	22	27	28	23	36	22	27	28	23
447	30 HIGHGATE CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	32	40	40	39	37	36	33	41	41	40	38	37	44	73	43	48	48	44	53	43	48	49	45	53	43	48	49	45	
448	8 MCGILLVRAV PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	17	25	25	24	23	21	19	27	27	26	24	23	21	55	20	25	26	25	20	35	19	24	25	20	35	19	24	25	20
449	91 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	15	23	23	22	20	19	32	64	30	36	36	32	43	30	36	36	32	43	30	36	36	32	
450	42 HIGHLANDS WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	21	29	29	28	26	25	16	51	15	20	20	17	30	16	21	21	17	30	16	21	21	17	
451	128 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	21	29	29	28	26	25	20	53	19	24	24	21	33	20	25	26	21	33	20	25	26	21	
452	50 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	27	35	35	34	32	31	33	63	31	37	37	34	31	37	37	33	43	31	37	37	33	43	
453	38 MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	20	18	26	34	34	33	31	30	38	68	37	42	42	42	38	47	37	42	43	39	47	37	42	43	39
454	9 GROUT PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	22	30	30	29	27	25	28	36	36	35	33	32	15	48	13	19	19	15	28	13	19	19	15	28	13	19	19	15	
455	14 HIGHGATE CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	17	25	25	24	22	21	45	74	43	49	49	49	46	54	45	50	51	47	54	45	50	51	47
456	45 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	15	14	11	19	19	18	16	15	31	62	29	35	35	31	41	29	35	35	31	41	29	35	35	31	
457	18 SPRING MILL AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	25	33	33	32	30	29	29	37	37	36	34	33	23	57	21	27	27	26	22	36	21	26	27	22	36	21	26	27	22
458	4 MINSTREL PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	35	43	43	42	40	39	40	48	48	47	45	44	36	69	34	40	40	39	36	44	34	39	40	36	44	34	39	40	36
459	2 LIBERTY WAY, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	21	28	29	28	26	24	30	64	29	34	34	34	31	43	30	35	35	31	43	30	35	35	31
460	7 EVERGREEN WAY, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	30	30	38	38	37	35	34	52	81	51	56	56	56	52	61	51	56	56	52	61	51	56	56	52
461	7 PONSFORD AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	37	45	45	44	42	41	36	44	44	43	41	40	15	49	14	19	20	19	15	29	14	19	20	15	29	14	19	20	15
462	77 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	37	35	33	41	41	40	38	37	16	50	15	20	20	16	30	15	20	20	16	30	15	20	20	16	
463	25 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	37	45	45	44	42	40	41	49	49	48	47	45	26	56	24	30	30	26	36	24	30	30	26	36	24	30	30	26	
464	15 MINDARIBBA AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	34	42	42	41	39	38	35	43	43	42	40	39	58	86	56	62	62	62	54	65	52	58	58	54	65	52	58	58	54
465	OFF 16 BERKELEY GR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	19	16	24	24	23	21	20	12	44	11	16	16	16	14	23	12	18	18	14	23	12	18	18	14
466	27 BARDSLEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	28	36	36	35	33	31	27	35	35	34	32	30	54	18	23	24	23	19	33	18	23	23	19	33	18	23	23	19	
467	15 BARAKEE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	16	24	24	23	21	20	13	49	12	17	17	13	28	12	17	17	13	28	12	17	17	13	
468	59 COCOPARRA CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	15	22	23	22	20	18	29	60	27	33	33	32	28	40	27	32	33	28	40	27	32	33	28
469	2 BARDSLEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	25	24	29	37	37	36	34	33	18	53	16	22	22	21	18	32	16	22	22	18	32	16	22	22	18
470	10 CELIA RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	17	25	25	24	22	21	19	55	18	23	24	23	19	34	18	23	24	20	34	18	23	24	20
471	4 BARDSLEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	35	29	37	37	36	34	33	18	52	17	22	23	22	18	31	17	22	23	19	31	17	22	23	19
472	22A FINGLETON CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	24	32	32	31	29	27	27	35	35	34	32	30	20	54	19	24	24	20	34	19	24	24	20	34	19	24	24	20	
473	53 COCOPARRA CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35																													

Receiver ID	Address	Land use	Noise Catchment Area	Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																															
				Noise Management Level				WRRF										Lot 96										SP1022				SP1022 with mitigation			
				Standard hours	Outside standard hours			CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS10	CS01	CS03	CS08	CS09	CS10	CS01	CS03	CS08	CS09	CS10	CS01	CS03	CS08	CS09	CS10		
503	23 GREYGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	31	30	25	33	33	32	30	29	22	55	21	26	26	26	22	34	21	26	26	22				
504	63 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	22	27	35	35	34	32	31	33	64	31	37	37	36	33	43	32	37	37	33				
505	137 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	30	38	38	37	35	34	33	64	32	37	38	37	33	44	31	37	37	33				
506	1 PONSFORD AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	29	37	37	36	35	33	29	37	37	36	34	33	19	53	17	23	23	23	19	33	17	23	23	19				
507	21 HYATT CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	24	32	32	31	29	28	25	56	23	29	29	28	26	35	24	30	30	26				
508	34 GREENSBOROUGH AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	35	33	41	41	40	38	37	28	62	27	32	33	32	28	42	27	32	33	28				
509	7 PARAMOUNT CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	29	37	37	36	35	33	44	72	43	48	48	48	44	52	43	48	48	44				
510	73 WELGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	23	21	29	29	28	27	25	36	68	35	40	41	40	38	47	37	42	43	39				
511	70 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	34	42	42	41	39	38	31	65	30	35	36	35	32	44	30	35	36	32				
512	23 MINDARIBBA AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	34	32	40	40	39	37	36	51	79	50	55	55	51	59	50	55	55	51					
513	22 HIGHGATE CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	34	31	39	39	38	37	35	54	82	52	58	58	57	53	61	51	57	57	53				
514	3 HYATT CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	27	35	35	34	32	31	21	53	19	24	25	24	22	33	21	26	26	22				
515	38 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	21	29	29	28	26	25	24	57	23	28	29	28	25	36	24	29	29	25				
516	134 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	20	18	20	27	28	27	25	23	16	47	15	20	20	16	26	15	20	20	16					
520	7 WATERGUM CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	24	32	32	31	29	28	31	39	39	38	36	35	27	60	26	31	31	31	27	40	26	31	31	27				
521	10 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	27	35	35	34	32	30	34	67	33	38	39	38	34	47	33	38	38	34				
523	68 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	37	45	45	44	42	40	32	40	40	39	37	36	18	52	17	22	22	22	18	32	17	22	22	18				
524	52 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	32	40	40	39	37	35	39	47	47	46	44	43	25	57	24	29	29	28	25	37	24	29	29	25				
525	6 STREAMDALE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	22	30	30	29	27	26	22	30	30	29	27	26	11	48	9	15	15	9	27	7	13	13	9					
527	17 BARDSLEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	28	36	36	35	33	32	31	39	39	38	36	35	15	49	14	19	20	19	15	28	14	19	20	16				
528	9 PONSFORD AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	35	43	43	42	40	39	38	45	46	45	43	41	18	52	16	21	22	21	18	31	16	21	22	18				
529	4 TRUMPER WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	35	43	43	42	40	39	37	45	45	44	42	41	15	50	14	19	19	15	29	14	19	19	15					
530	4 HIGHGATE CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	22	30	30	29	28	26	37	69	35	41	41	41	38	48	36	42	42	38				
531	49 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	25	33	33	32	30	29	36	68	35	40	40	40	36	47	35	40	40	36				
532	8 MINSTREL PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	22	30	30	29	27	26	34	66	32	38	38	37	34	46	32	37	38	34				
533	14 EVERGREEN WAY, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	30	38	38	37	35	34	33	66	31	37	37	37	35	46	33	39	39	35				
534	18 NOBLE WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	31	30	25	33	33	32	30	29	14	49	13	18	18	14	28	13	18	18	14					
535	19 WERAKATA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	34	31	39	39	38	36	35	19	54	18	23	23	23	19	34	18	23	23	19				
536	24 YELLOWGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	38	37	32	40	40	39	37	36	22	55	21	26	26	22	34	21	26	26	22					
537	26 FINGLETON CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	38	46	46	45	43	42	38	45	46	45	43	41	16	48	14	20	20	19	16	27	14	20	20	16				
538	8 AUGUSTA CT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	30	38	38	37	35	33	32	40	40	39	38	36	25	59	24	29	30	29	25	38	24	29	29	25				
539	107 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	21	19	27	27	26	24	23	31	64	30	35	35	35	31	44	30	35	35	31				
540	16 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	18	26	26	25	23	22	42	74	41	46	47	46	42	53	41	46	47	42				
541	27 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	28	26	34	34	33	31	30	38	69	36	42	42	42	38	49	36	42	42	38				
542	9 STREAMDALE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	19	27	27	26	24	23	21	29	29	28	26	24	8	44	6	12	12	11	7	24	6	11	11	7				
543	28 GREYGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	30	38	38	37	35	34	30	38	38	37	36	34	21	54	19	24	25	24	21	33	19	24	25	21				
544	10 BRUCE PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	16	20	28	28	27	25	24	38	60	27	32	33	32	28	40	27	32	33	28				
545	5 KNOX PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	31	33	41	41	40	38	37	67	95	66	71	71	71	62	74	61	66	67	63				
546	21 MONARCH CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	22	30	30	29	27	26	45	74	44	49	49	46	53	45	50	50	46					
547	12 MONARCH CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	16	24	24	23	21	20	29	60	28	33	33	33	30	40	28	33	34	30				
548	9 SPOTTEDGUM PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	42	50	50	49	47	46	39	47	47	46	45	43	18	52	17	22	23	22	18	31	17	22	23	19				
550	18 WATERGUM CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	18	26	26	25	24	22	20	28	28	27	25	24	38	60	27	32	33	32	28	40	27	32	33	28				
553	18 GARNET PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	21	29	29	28	26	25	33	65	32	37	38	37	35	44	33	39	39	35				
554	31 THE WATER LANE, BOX HILL NSW 2765	Residential	1	51	46	44	35	35	43	43	42	40	38	34	42	42	41	39	38	25	57	23	29	29	25	36	23	29	29	25					
555	19 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	24	25	33	33	32	30	29	32	64	31	36	36	36	32	44	31	36	36	32				
556	41 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	48	56	56	55	54	52	48	56	56	55	53	52	22	55	20	26	26	26	21	35	20	25	26	21				
557	15 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	27	25	32	33	32	30	28	44	74	42	48	48	47	42	53	41	46	47	43				
558	5 NEEDLEWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	36	44	44	43	41	40	27	61	25	31	31	31	27	40	25	31	31	27				
559	31 CLOVER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	14	22	22	21	19	18	14	22	22	21	19	18	16	50	14	20	20	16	30	14	20	20	16					
560	2 KINDILEN CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35																												

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level																				Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)											
				Standard hours	Outside standard hours			WRRF								Lot 96				SP1022				SP1022 with mitigation											
					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10				
576	3 CONNOR PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	18	26	26	25	23	22	29	59	28	33	33	29	38	28	33	33	29					
577	9 CORNELL CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	26	24	24	32	32	31	29	27	18	51	16	22	22	21	18	31	17	22	22	18				
578	25 MINDARIBBA AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	18	26	26	25	23	22	37	67	36	41	41	41	36	46	35	40	40	36				
579	26 NOBLE WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	35	26	34	34	33	31	30	16	51	15	20	20	20	16	30	15	20	20	16				
580	2 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	24	32	32	31	30	28	29	59	27	33	33	32	26	38	25	30	30	26				
581	121 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	34	42	42	41	39	38	41	48	48	46	44	18	52	16	22	22	22	19	31	17	23	23	19					
582	11 KURNELL PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	14	18	26	26	25	23	21	21	54	20	25	26	25	21	34	20	25	26	21				
583	11 BILLABONG PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	28	27	35	35	34	32	31	39	72	37	43	43	43	38	51	37	42	42	38				
584	8 MAYFAIR AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	29	27	35	35	34	32	31	38	68	37	42	42	42	39	47	37	42	43	39				
585	7 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	27	35	35	34	32	31	32	63	31	36	36	36	33	43	32	37	37	33				
586	35 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	5	13	13	12	10	9	24	32	32	31	29	28	31	61	30	35	35	35	31	41	30	35	35	31				
587	2 BLUE LAKES PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	33	30	37	38	37	35	33	20	55	19	24	24	24	20	35	19	24	24	20				
588	15 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	36	44	44	43	41	40	27	35	34	32	31	16	50	14	20	20	20	16	30	14	20	20	16	20				
589	6 SARABAH ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	18	19	27	27	26	24	23	23	57	22	27	27	27	24	36	22	27	28	24				
590	127 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	31	39	39	38	36	34	38	68	37	42	43	42	39	47	38	43	44	40				
592	44 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	37	45	45	44	42	41	24	59	23	28	29	28	24	38	23	28	29	25				
593	22 CELIA RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	18	26	26	25	23	22	23	56	22	27	27	27	23	36	22	27	27	23				
594	15 BROOKHAVEN ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	23	31	31	30	28	27	25	33	33	32	30	29	12	47	11	16	16	16	10	27	9	14	14	10				
595	41 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	27	35	35	34	32	31	36	66	35	40	41	40	39	45	38	43	43	39				
597	34 RIVERGUM WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	30	38	38	37	35	34	24	32	32	31	29	28	19	51	18	23	24	23	19	30	18	23	24	19				
598	43 HARVARD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	33	31	28	36	36	35	33	32	20	51	19	24	24	24	20	30	19	24	24	20				
599	6 WERAKATA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	26	34	34	33	31	30	31	63	30	35	35	35	31	42	30	35	35	31				
600	2 MUNGO RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	7	15	15	14	12	11	21	29	29	28	26	25	31	62	30	35	35	35	32	41	31	36	36	32				
601	24 WEROONA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	36	44	44	43	41	39	26	57	24	30	30	29	26	36	25	30	30	26				
602	6 BEKELEY GR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	19	26	27	26	24	22	15	49	13	19	19	19	16	29	14	20	20	16				
603	4 TAYLEE PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	21	24	32	32	31	29	28	38	69	37	42	42	42	38	49	37	42	42	38				
604	17 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	34	42	42	41	39	38	34	42	42	41	39	38	31	65	30	35	35	35	31	44	30	35	35	31				
605	8 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	38	37	35	43	43	42	40	39	33	66	32	37	37	37	33	46	32	37	37	33				
606	15 PARAMOUNT CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	34	32	40	40	39	37	36	39	70	38	43	43	43	39	50	37	43	43	39				
607	14 WELFORD CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	18	26	26	25	23	22	35	65	34	39	39	39	35	44	34	39	39	35				
608	4 HIGHLANDS WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	22	30	30	29	28	26	24	32	32	31	29	27	17	51	15	21	21	21	18	31	17	22	22	18				
609	3 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	35	43	43	42	40	39	26	57	24	30	30	29	26	36	25	30	31	27				
610	66 WELGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	16	14	22	22	21	19	18	32	62	30	36	36	35	32	41	31	36	36	32				
611	102 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	37	45	45	44	42	41	44	52	52	51	49	48	18	49	16	22	22	18	28	16	22	22	18					
612	17 WERAKATA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	28	36	36	35	33	32	12	46	10	15	16	15	12	25	11	16	16	12				
613	12 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	18	26	26	25	23	22	16	52	14	20	20	19	16	31	14	20	20	16				
614	4 BRUCE PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	20	28	28	27	25	23	23	53	22	27	27	27	23	32	22	27	27	23				
615	14 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	30	38	38	37	35	34	32	40	40	39	37	36	31	64	29	35	35	35	31	44	29	35	35	31				
616	9 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	15	23	23	22	20	18	15	23	23	22	21	19	20	54	19	24	25	24	20	34	19	24	25	21				
617	77 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	32	40	40	39	37	36	39	69	37	43	43	43	39	48	37	43	43	39				
618	1 MUNGO RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	26	34	34	33	31	30	18	53	17	22	22	22	19	33	18	23	23	19				
619	2 GREENSBOROUGH AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	21	29	29	28	26	25	25	33	33	32	30	29	28	61	26	32	32	32	28	40	26	32	32	28				
620	12 LONGMEADOW PWY, BOX HILL NSW 2765	Residential	2	44	39	39	35	32	40	40	39	37	36	32	40	40	39	37	36	16	50	15	20	21	20	13	29	12	17	17	13				
621	18 HARVARD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	27	25	23	31	31	30	28	27	26	60	24	30	30	26	39	25	30	30	26					
622	4 MONARCH CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	15	23	23	22	20	19	27	61	25	31	31	31	28	40	26	32	32	28				
623	24 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	18	16	13	21	21	20	18	17	33	64	32	37	37	35	43	33	38	39	35					
624	2 ROSS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	18	26	26	25	23	22	16	52	14	20	20	19	16	31	14	20	20	16				
625	2 MILE END RD, ROUSE HILL NSW 2155	Industrial/Utilities	2	70	70	70	70	43	51	51	50	48	47	50	58	58	57	55	54	22	56	21	26	26	26	22	35	21	26	26	22				
626	12 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	21	19	20	28	28	27	25	23	35	66	34	39	39	36	45	35	40	40	36					
6																																			

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level			Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																								
				Standard hours	Outside standard hours			WRRF						Lot 96						SP1022						SP1022 with mitigation					
					Day	Evening	Night	CS01	CS02	CS05	CS06	CS10	CS01	CS02	CS05	CS06	CS10	CS01	CS07	CS08	CS09	CS10	CS01	CS07	CS08	CS09	CS10				
645	9 HERMITAGE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	32	30	38	38	37	35	34	40	69	38	43	44	43	40	48	38	44	40	
646	11 RADISSON PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	26	24	25	33	33	32	30	29	29	60	28	33	33	33	29	40	28	33	29	
647	46 CLOVER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	17	25	25	24	22	21	26	34	34	33	31	30	21	55	20	25	25	25	21	35	20	25	21	
648	20A MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	19	18	26	26	25	24	22	33	67	32	37	38	37	34	46	32	38	34	
649	1 SCRIBBLYGUM CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	36	44	44	43	41	40	37	45	44	44	43	41	23	57	22	27	27	27	23	36	22	27	23	
650	3 NEST HILL APP, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	20	26	34	34	33	31	30	17	51	15	21	21	20	18	30	16	22	18	
651	12 LIBERTY WAY, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	23	31	31	30	28	27	31	65	30	35	35	35	32	44	31	36	37	
652	11 CHATEAU CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	32	40	40	39	37	36	34	41	41	41	39	37	50	78	49	54	54	54	50	57	49	54	50	
653	106 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	18	26	26	25	23	22	30	64	29	34	35	34	30	43	29	34	31	
654	109 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	35	43	43	42	40	39	36	44	44	43	42	40	23	55	21	27	27	27	23	34	21	27	23	
655	13 TIANIE PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	28	36	36	35	33	32	39	72	38	43	43	43	39	51	38	43	39	
656	23 TALLAGANDA ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	16	24	24	23	21	20	26	58	24	30	30	29	26	38	24	30	26	
657	1 BULB WAY, BOX HILL NSW 2765	Residential	2	44	39	39	35	35	43	43	42	40	39	34	42	42	41	39	38	19	53	17	23	23	23	14	32	13	18	14	
658	3 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	23	31	31	30	28	27	30	64	29	34	35	34	31	44	30	35	31	
660	4 ROSS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	18	23	31	31	30	28	27	12	47	11	16	16	13	26	11	16	17	13	
661	12 COACHWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	28	36	36	35	33	32	33	41	41	40	38	37	27	58	25	31	31	30	27	38	25	31	27	
662	16 COACHWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	28	27	35	43	43	42	40	38	25	57	24	29	29	29	25	36	24	29	25	
663	53 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	28	25	33	33	32	30	29	30	61	28	34	34	30	40	28	34	34	30	
665	1 CORNELL CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	14	22	22	21	20	18	20	28	28	27	25	24	17	50	15	21	21	20	17	29	16	21	22	
666	72 BLADENSBURG RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	34	32	33	41	41	40	38	37	22	56	20	26	26	26	22	35	20	26	22	
667	7 MORRISEY WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	16	24	24	23	21	20	16	50	14	20	20	19	16	30	15	20	17	
668	72 WELLGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	29	26	34	34	33	32	30	41	71	39	44	45	44	42	50	41	46	47	
669	83 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	21	29	29	28	26	25	20	28	28	27	25	24	18	52	17	22	22	22	18	31	16	22	18	
670	17 WICKLOW PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	37	45	45	44	42	41	46	54	54	53	52	50	28	57	26	32	32	27	37	26	31	31	27	
671	6 MINDARIBBA AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	32	40	40	39	37	35	34	42	42	41	39	38	47	77	46	51	51	51	46	56	45	50	51	47
672	18 PLEASANCE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	27	35	35	34	32	30	29	37	37	36	34	33	14	51	13	18	19	18	11	30	10	15	11	
673	68 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	21	33	41	41	40	38	37	31	64	30	35	36	35	31	43	30	35	36	
675	13 BRUCE PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	23	21	25	33	33	32	30	28	29	59	27	32	33	32	30	39	28	34	30	
678	11 WARRAWEE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	9	17	17	16	14	13	11	19	19	18	16	15	9	44	8	13	13	13	11	23	9	14	15	
679	18-20 MILE END RD, ROUSE HILL NSW 2155	Industrial/Utilities	2	70	70	70	70	25	33	33	32	30	28	35	43	43	42	40	39	24	58	23	28	28	28	25	38	24	29	25	
680	31 WARRAWEE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	8	16	16	15	13	12	7	15	15	14	12	11	13	49	12	17	18	17	14	28	12	17	14	
681	17 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	24	22	30	30	29	27	26	34	62	33	38	39	38	34	42	33	38	39	
682	1 GARNET PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	29	27	34	35	34	32	30	38	68	36	41	42	41	38	47	36	41	42	
683	33 PLEASANCE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	22	30	30	29	27	26	28	36	36	35	33	32	11	47	10	15	15	15	9	27	8	13	14	
685	111 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	30	38	38	37	35	34	26	57	24	30	30	26	36	24	30	30	26	
686	7 KINDILEN CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	26	25	33	33	32	30	28	36	65	35	40	40	40	36	45	35	40	36	
687	9 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	28	36	36	35	33	32	25	33	33	32	30	29	16	50	14	20	20	16	30	14	20	20	16	
688	3 BARDSLEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	28	36	36	35	33	32	21	29	29	28	26	25	16	49	14	20	20	16	29	14	20	20	16	
689	10 CLEVELAND CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	17	24	25	24	22	20	51	79	50	55	55	51	58	50	55	56	52	
690	43 KUMBATINE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	15	14	13	20	21	20	18	16	24	57	23	28	29	28	24	36	23	28	24	
691	9 MORRISEY WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	18	25	26	25	23	21	17	51	16	21	22	21	18	31	16	21	22	
692	10 GREYGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	19	27	27	26	24	23	19	27	27	26	24	23	18	51	17	22	22	18	30	17	22	22	18	
693	30 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	29	37	37	36	34	33	42	71	41	46	46	46	42	51	41	46	46	
694	26 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	47	55	55	54	52	51	46	54	54	53	51	50	17	52	16	21	21	21	17	31	16	21	21	
695	22 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	24	32	32	31	29	28	33	66	32	37	37	37	33	45	32	37	33	
696	31 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	33	31	30	38	38	37	35	34	32	65	31	36	37	36	33	45	32	37	33	
697	35 MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	24	22	27	35	35	34	32	31	20	55	19	24	24	24	21	34	20	25	21	
698	14 TALLAGANDA ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	31	29	36	37	36	34	32	32	62	30	35	36	35	32	41	31	36	37	
699	23 MAYFAIR AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	34	32	40	40	39	37	36	39	69	37	43	43	42	39	49	37	42	39	
700	144 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	15	14	22	22	21	19	18	53	17	22	22	22	18	32	17	22	22	18	
701	7 MACKAY WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31</																					

Receiver ID	Address	Land use	Noise Catchment Area	Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																																						
				Noise Management Level				WRRF																Lot 96				SP1022				SP1022 with mitigation										
				Standard hours	Outside standard hours			CS01	CS02	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	CS14	CS15	CS16	CS17	CS18	CS19	CS20	CS21	CS22	CS23	CS24	CS25	CS26	CS27	CS28	CS29	CS30	CS31	CS32	CS33	CS34	CS35	CS36
718	33 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	37	45	45	44	42	41	39	47	46	45	43	34	67	33	38	39	38	34	34	47	33	38	38	34											
719	71 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	38	36	32	40	39	37	36	17	52	16	21	21	17	17	31	16	21	21	17												
720	10 TURNBERRY WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	29	27	26	34	33	32	30	23	58	22	27	27	27	23	37	22	27	27	23												
721	2 HOPKINS CT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	37	45	45	44	42	41	22	53	21	26	27	26	24	32	22	28	28	24											
722	1 LONGMEADOW PWY, ROUSE HILL NSW 2765	Residential	2	44	39	39	35	39	47	47	46	44	42	38	46	46	45	43	42	27	59	26	31	32	31	26	38	25	30	30	26											
723	316 ANNANGROVE RD, ROUSE HILL NSW 2155	Commercial/Business	2	70	70	70	70	35	43	43	42	40	39	38	45	46	45	43	41	21	56	19	25	25	25	22	35	20	26	26	22											
724	28 KNOX PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	22	21	29	29	28	26	25	53	83	52	57	58	57	51	63	50	55	56	51											
725	13 BUDAWANG AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	17	18	26	26	25	23	22	41	70	39	45	45	42	50	41	46	46	42												
726	21 TALLAGANDA ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	20	28	28	27	25	24	32	63	30	36	36	36	32	42	30	36	36	32											
727	22 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	33	31	39	39	38	36	35	41	69	39	44	45	44	41	49	39	44	45	41											
728	24 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	33	41	41	40	38	36	27	57	26	31	31	31	27	36	26	31	31	27											
729	4 WILLANDRA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	6	14	14	13	11	10	9	17	17	16	14	13	26	58	25	30	31	30	28	37	26	31	32	28											
730	45 KUMBATINE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	29	27	34	35	34	32	30	25	58	24	29	29	29	25	38	24	29	29	25											
731	75 WELLGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	25	33	33	32	30	29	33	66	32	37	37	37	34	45	33	38	39	35											
732	11 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	35	33	41	41	40	39	37	33	67	32	37	37	37	33	46	32	37	37	33											
733	10 DALTON CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	38	46	46	45	43	42	40	48	48	47	45	44	25	55	24	29	29	29	26	34	25	30	30	26											
734	10 GREENSBOROUGH AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	16	24	24	23	21	20	22	30	30	29	27	25	21	55	20	25	25	25	21	35	20	25	25	21											
736	25 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	20	25	33	33	32	30	29	29	62	28	33	33	30	41	29	34	35	31												
737	5 COACHWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	38	37	34	42	42	41	39	38	24	55	23	28	29	28	24	34	23	28	29	24											
738	29 BARDSLEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	27	35	35	34	32	31	25	33	33	32	30	29	20	53	18	24	24	24	20	33	18	24	24	20											
739	12 NEEDLEWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	38	37	37	45	45	44	42	40	30	62	29	34	34	34	30	42	29	34	34	30											
741	46 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	38	37	37	45	45	44	42	40	30	54	18	23	24	23	20	33	18	23	24	20											
743	42 LIMESTONE RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	31	39	39	38	36	35	30	38	38	37	35	34	17	52	15	20	21	20	13	31	12	17	17	13											
744	35 TIMBERCREST ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	24	32	32	31	29	28	26	33	34	33	31	29	8	44	7	12	13	12	8	24	7	12	13	8											
745	12 WARRUMBUNGLE CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	24	32	32	31	29	28	32	62	31	36	36	36	32	42	31	36	37	33											
746	3 HERMITAGE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	29	27	35	35	34	32	31	36	66	35	40	41	40	37	45	35	40	41	37											
747	9 LONGMEADOW PWY, BOX HILL NSW 2765	Residential	2	44	39	39	35	36	44	44	43	41	40	35	43	43	42	40	39	17	53	16	21	21	21	14	32	13	18	19	15											
748	35 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	31	39	39	38	36	35	39	71	37	42	43	42	39	50	37	42	43	39											
749	47 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	34	32	30	37	38	37	35	33	32	65	31	36	36	36	33	45	32	37	38	34											
750	6 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	37	35	29	37	37	36	34	33	19	53	17	23	23	19	32	17	23	23	19												
751	9 HARVARD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	21	28	29	28	26	24	29	62	27	33	33	33	29	41	27	33	33	29											
753	9 MAYFAIR AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	30	28	36	36	35	33	32	38	69	37	42	42	42	38	49	37	42	43	38											
754	10 DENNISON CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	22	30	30	29	28	26	33	67	32	37	38	37	33	47	32	37	38	33											
757	10 RIVERGUM WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	28	36	36	35	33	32	22	30	30	29	27	25	26	60	24	30	30	25	39	24	29	29	25												
758	73 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	29	37	37	36	34	32	31	39	39	38	36	35	20	55	18	24	24	24	20	34	18	24	24	20											
759	25 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	27	35	35	34	32	31	29	60	28	33	34	33	32	40	30	35	36	32											
760	25 CLOVER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	25	33	33	32	30	29	25	33	33	32	30	29	27	60	26	31	31	31	27	40	26	31	31	27											
761	1 RADISSON PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	33	40	41	40	38	36	48	76	46	51	52	51	48	56	46	51	52	48											
762	40 LIMESTONE RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	32	40	40	39	38	36	32	40	40	39	37	36	17	51	16	21	22	21	13	31	12	17	17	13											
763	21 SCRIBBLYGUM CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	25	24	23	31	31	30	28	27	21	55	20	25	25	25	21	34	20	25	25	21											
764	17 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	34	42	42	41	39	38	33	41	41	40	38	37	15	50	14	19	20	19	15	30	14	19	20	16											
765	21 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	35	43	43	42	40	39	38	46	46	45	43	42	28	57	27	32	32	32	28	37	27	32	32	28											
766	9 MCGILVRAY PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	24	32	32	31	29	28	24	32	32	31	29	28	19	52	17	23	23	23	18	32	17	22	22	18											
767	28 ROSS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	14	22	22	21	19	18	12	48	10	15	16	15	12	27	10	16	16	12											
768	15 MINSTREL PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	34	42	42	41	39	38	37	45	45	44	42	41	30	60	28	33	34	33	30	39	28	33	34	30											
769	17 TIMBERCREST ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	36	44	44	43	41	39	35	43	43	42	40	38	26	58	24	30	30	29	25	37	24	29	29	25											
770	4 CHAELUNDI CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	34	42	42	41	39	37	27	60	25	31	31	31	27	39	25	31	31	27											
771	10 MINSTREL PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	30	38	46	46	45	43	41	29	59	27	33	33	33	29	38	27	33	33	29											
772	116 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	25	33	33	32	30	29	26	34	34	33	31	30	21																						

Receiver ID	Address	Land use	Noise Catchment Area	Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																													
				Noise Management Level			WRRF										Lot 96							SP1022					SP1022 with mitigation				
				Standard hours	Outside standard hours			CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS07	CS08	CS09	CS10	CS01	CS07	CS08	CS09	CS10			
791	29 MONARCH CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	19	18	26	26	25	23	21	30	64	29	34	35	34	30	44	29	34	35	30		
793	57 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	28	26	27	35	35	34	32	31	16	49	14	20	20	19	16	29	14	20	20	16		
794	16 DALTON CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	34	48	56	56	55	53	52	25	57	23	29	29	28	25	36	24	29	29	25		
795	3 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	27	34	35	34	32	30	33	64	31	37	37	36	34	43	33	38	38	34		
797	29 GREYGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	16	24	24	23	21	20	16	24	24	23	21	19	19	53	18	23	24	23	19	32	18	23	24	19		
798	9 MINSTREL PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	34	42	42	41	39	38	29	60	28	33	33	33	29	39	28	33	33	29		
799	10 RAMORNIE DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	30	38	38	37	35	34	33	64	32	37	37	37	33	43	32	37	37	33		
800	12 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	37	44	45	44	42	40	29	59	28	33	33	33	29	39	28	33	33	29		
801	1 NUNKERE CR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	23	22	30	30	29	27	26	68	96	66	72	72	71	59	75	58	63	63	59		
802	15 BARDSLEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	29	37	37	36	34	32	26	34	34	33	31	30	21	55	19	24	25	24	21	35	19	24	25	21		
803	37 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	15	14	22	22	21	19	18	37	66	36	41	42	41	40	45	38	44	44	40		
804	15 HIGHGATE CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	17	25	25	24	22	21	40	70	39	44	44	44	41	49	39	44	45	41		
805	153 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	28	36	36	35	34	32	19	52	18	23	23	23	19	32	18	23	23	19		
806	13 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	13	21	21	20	18	16	32	62	31	36	37	36	32	42	31	36	37	33		
807	52 WELLGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	19	27	27	26	25	23	25	59	24	29	30	29	27	39	26	31	31	27		
808	4-4A WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	14	22	22	21	19	18	30	61	29	34	34	34	30	41	29	34	34	30		
809	2 MCCABE PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	26	24	25	33	33	32	30	29	19	52	18	23	23	23	19	32	18	23	23	19		
810	15 CHAELUNDI CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	24	34	42	42	41	39	38	43	72	42	47	47	47	43	51	42	47	47	43		
811	7 HARVARD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	28	24	32	32	31	29	28	21	52	19	24	25	24	22	31	20	26	26	22		
812	54 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	20	27	28	27	25	23	28	60	26	31	32	31	28	40	26	32	32	28		
813	13 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	33	41	41	40	38	37	31	61	30	35	35	35	31	41	30	35	35	31		
815	4 HOMEVALE PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	15	23	23	22	20	19	13	49	11	17	17	17	13	28	11	17	17	13		
816	6 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	23	31	31	30	28	27	36	67	35	40	41	40	36	46	35	40	40	36		
817	12 BERKELEY GR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	17	25	25	24	22	20	15	48	13	18	19	18	15	27	14	19	20	15		
818	16 CLEVELAND CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	16	24	24	23	21	20	50	78	49	54	54	50	57	49	54	54	50	50		
819	8 CHAELUNDI CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	21	24	31	32	31	29	27	27	61	26	31	32	31	27	41	26	31	32	28		
820	14 FARMINGTON ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	27	35	35	34	32	31	30	37	38	37	35	33	15	51	14	19	19	19	12	31	11	16	16	12		
821	18 MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	24	22	22	30	30	29	27	26	43	71	41	47	47	47	43	50	41	47	47	43		
822	12 TRUMPER WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	28	36	36	35	33	32	25	33	33	32	30	29	16	51	15	20	20	20	16	30	14	20	20	16		
823	48 CLOVER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	17	25	25	24	22	20	24	32	32	31	30	28	20	54	19	24	24	24	20	33	19	24	24	20		
824	4 SETON PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	33	41	41	40	38	37	25	59	24	29	30	29	26	38	25	30	30	26		
825	20 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	27	35	35	34	32	31	21	57	20	25	25	25	23	37	21	26	27	23		
826	10 CHATEAU CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	30	38	38	37	35	34	34	44	74	43	48	48	48	46	53	44	50	50	46		
828	14 TIANE PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	24	32	32	31	29	28	37	70	36	41	41	41	37	49	36	41	41	37		
829	30 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	25	33	33	32	31	29	38	71	37	42	43	42	38	51	37	42	42	38		
831	3 WICKLOW PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	41	49	49	48	46	45	25	55	23	29	29	28	25	35	23	29	29	25		
832	5 MCCABE PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	29	37	37	36	35	33	27	35	35	34	32	31	15	48	14	19	19	15	28	14	19	19	15			
833	46 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	34	42	42	41	39	37	35	42	43	42	40	38	30	62	28	34	34	33	30	42	28	34	34	30		
834	21 MCGILVRAY PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	18	26	26	25	23	22	21	29	29	28	26	24	18	52	17	22	22	22	18	31	17	22	22	18		
835	4 REDBUSH CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	15	23	23	22	20	18	20	28	28	27	25	24	36	69	35	40	40	40	36	48	35	40	40	36		
836	31 GREYGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	30	38	38	37	35	34	32	39	40	39	37	35	21	56	20	25	25	25	21	35	20	25	25	21		
837	26 MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	27	35	35	34	32	31	33	65	32	37	38	37	34	45	32	37	38	34		
838	36 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	33	41	41	40	38	37	30	64	29	34	35	34	30	44	29	34	35	30		
839	95 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	20	27	28	27	25	23	26	59	24	30	30	30	27	39	26	31	31	27		
840	14 MINSTREL PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	36	44	44	43	41	40	42	49	50	49	47	45	31	59	29	35	35	35	30	38	28	34	34	30		
841	17 PLEASANCE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	30	38	38	37	35	34	30	38	38	37	35	34	12	49	11	16	17	16	12	28	10	16	16	12		
842	17 YELLOWGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	24	32	32	31	30	28	22	30	30	29	27	26	21	55	20	25	25	25	21	34	20	25	25	21		
843	38 LONGMEADOW PWY, BOX HILL NSW 2765	Residential	2	44	39	39	35	31	39	39	38	36	34	30	38	38	37	35	34	12	48	11	16	17	16	12	28	11	16	16	12		
844	78 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	16	13	21	21	20	18	17	20	55	19	24	24	24	20	35	19	24	24	20		
845																																	

Receiver ID	Address	Land use	Noise Catchment Area	Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																													
				Noise Management Level			WRRF										Lot 96					SP1022					SP1022 with mitigation						
				Standard hours	Outside standard hours			CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02
863	34 LIMESTONE RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	30	38	38	37	35	34	29	37	37	36	35	33	13	49	12	17	18	17	11	29	9	15	15	11		
864	16 TRUMPER WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	31	39	39	38	36	35	17	51	15	20	21	20	16	30	15	20	20	16		
865	66 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	25	33	33	32	31	29	29	37	37	36	34	33	19	54	18	23	24	23	19	33	18	23	24	19		
866	54 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	33	41	41	40	38	37	36	44	44	43	41	40	38	70	36	42	42	41	37	49	36	41	41	37		
867	95 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	39	47	47	46	44	43	31	39	39	38	36	35	16	48	14	19	20	19	16	27	14	19	20	16		
868	11 TURNBERRY WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	31	30	31	39	39	38	36	34	28	62	27	32	32	32	28	41	27	32	32	28		
869	7 AUGUSTA CT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	22	30	30	29	27	26	23	31	31	30	28	27	21	55	20	25	25	25	21	34	20	25	25	21		
870	5 DUXTON CT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	31	35	42	43	42	40	38	27	58	26	31	31	31	27	38	26	31	31	27		
871	37 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	44	52	52	51	49	48	24	58	23	28	28	28	25	38	24	29	29	25		
872	30 KINDILEN CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	29	27	35	35	34	32	30	41	74	39	45	45	44	41	54	39	45	45	41		
873	4 CHATEAU CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	23	31	31	30	28	27	33	67	32	37	37	37	34	47	33	38	38	34		
874	169 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	32	40	40	39	38	36	27	34	35	34	32	30	13	46	12	17	17	14	26	13	18	19	14			
875	17 EMPRESS AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	16	24	24	23	21	20	21	52	19	25	25	24	21	31	19	25	25	21		
876	17 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	14	22	22	21	19	18	25	60	23	29	29	29	25	39	24	29	29	25		
877	3 ROSS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	14	22	22	21	19	18	14	48	13	18	18	14	27	12	18	18	14			
878	23 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	32	40	40	39	37	36	39	72	37	42	43	42	38	52	36	42	42	38		
879	40 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	30	38	38	37	35	34	44	73	43	48	48	48	46	53	44	50	50	46		
880	15 HARVARD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	21	29	29	28	26	25	28	62	27	32	32	32	28	41	27	32	32	28		
881	120 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	27	35	35	34	32	31	29	37	37	36	34	33	20	52	19	24	25	24	20	32	19	24	24	20		
882	17 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	27	25	27	35	35	34	32	31	27	61	26	31	31	31	28	40	27	32	32	28		
883	28 KINDILEN CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	27	35	35	34	32	31	42	75	41	46	47	46	42	54	41	46	47	43		
884	24 GREEN HILLS DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	21	29	29	28	26	24	23	31	31	30	28	27	19	53	17	22	23	22	19	33	17	22	23	19		
885	30 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	4	12	12	11	9	8	9	17	17	16	14	13	31	62	30	35	35	32	41	30	36	36	32			
886	1 AUGUSTA CT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	8	16	16	15	13	12	12	20	20	19	17	16	27	61	25	31	31	30	27	40	25	31	31	27		
887	5 TAYLEE PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	18	17	25	25	24	22	21	65	93	64	69	69	69	65	72	64	69	69	65		
888	27 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	41	49	49	48	46	45	39	47	47	46	44	43	14	47	12	17	18	17	14	26	12	17	18	14		
889	24 LONGMEADOW PWY, BOX HILL NSW 2765	Residential	2	44	39	39	35	27	35	35	34	32	31	29	37	37	36	34	33	13	48	12	17	17	12	28	10	16	16	12			
890	6 SPOFFORTH AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	38	36	33	41	41	40	38	37	21	55	19	25	25	24	21	35	19	25	25	21		
891	141 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	19	27	27	26	24	23	19	54	17	23	23	23	20	33	19	24	24	20		
892	12 CELIA RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	18	26	26	25	23	22	14	49	13	18	18	14	28	13	18	18	14			
893	3 GREYGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	17	35	35	34	33	31	26	34	34	33	32	30	23	57	22	27	27	27	23	37	22	27	23			
894	30 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	40	48	48	47	45	43	34	67	33	38	38	38	34	46	33	38	38	34		
895	16 AUGUSTA CT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	21	29	29	28	26	25	30	38	38	37	35	34	26	60	24	29	30	29	26	39	24	29	30	26		
896	14 KNOX PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	25	23	30	38	38	37	35	34	56	84	55	60	61	60	50	63	48	53	54	50		
898	121 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	23	31	31	30	29	27	24	32	32	31	29	28	22	57	20	25	26	25	22	36	20	25	26	22		
899	27 YELLOWGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	28	26	39	47	47	46	44	43	26	60	25	30	31	30	26	40	25	30	31	26		
900	4 KURNELL PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	30	38	38	37	35	34	13	47	12	17	17	14	26	13	18	19	15			
901	2 FARMINGTON ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	34	42	42	41	39	38	33	41	41	40	38	37	21	55	20	25	25	25	15	35	14	19	20	15		
902	5 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	28	26	29	37	37	36	34	33	34	67	32	38	38	38	34	46	32	37	38	34		
903	8 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	26	34	34	33	31	30	35	68	34	39	39	39	35	48	33	39	39	35		
904	32 BLADENSBURG RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	16	14	22	22	21	19	18	18	51	16	22	22	21	18	30	17	22	22	18		
905	25 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	35	43	43	42	40	39	38	45	46	45	43	41	30	64	29	34	35	34	30	44	29	34	35	30		
906	6 MCCABE PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	30	38	38	37	35	34	28	36	36	35	33	32	17	51	16	21	21	21	17	30	16	21	21	17		
907	17 WELFORD CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	9	17	17	16	14	12	11	19	19	18	16	15	30	61	29	34	34	34	30	41	29	34	34	30		
908	42 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	35	43	43	42	40	39	47	55	55	54	52	51	20	55	18	24	24	24	20	34	18	24	24	20		
909	18 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	33	41	41	40	38	37	36	44	44	43	41	40	27	58	26	31	31	31	27	38	26	31	32	27		
910	52 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	15	23	23	22	20	19	28	61	27	32	32	31	41	29	35	35	31			
911	23 YELLOWGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	36	44	44	43	41	40	45	52	53	52	50	48	21	53	19	25	25	24	20	33	19	24	25	21		
913	1 MCCABE PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	36	44	44	43	41	39	31	39	39	38	36	35	18	53	17	22	22	22	18	33	17	22	22	18		
914	7 MAILEY CCT, ROUSE HILL NSW 2																																

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level																				Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)											
				Standard hours	Outside standard hours			WRRF						Lot 96						SP1022						SP1022 with mitigation									
					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS07	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10					
930	11 MINSTREL PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	34	33	41	40	38	36	33	61	31	37	37	37	32	41	31	36	36	32					
931	113 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	31	39	39	38	36	35	23	57	22	27	28	27	22	36	21	26	27	23				
932	10 YELLOWGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	32	40	39	37	36	24	59	23	28	29	28	24	38	22	28	28	24					
933	8 CHEVRON PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	23	31	31	30	28	27	22	55	20	26	26	26	22	35	20	26	26	22				
934	18 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	25	33	33	32	30	29	31	62	30	35	35	35	32	41	30	36	36	32				
936	6 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	32	40	40	39	38	36	35	65	34	39	39	39	35	45	34	39	39	35				
938	14 MINDARIBBA AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	32	40	40	39	37	36	35	43	43	42	40	39	64	92	62	68	68	68	63	71	62	67	68	63				
939	2 MINSTREL PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	33	41	41	40	38	37	38	71	36	42	42	42	38	50	36	42	42	38				
940	18 YELLOWGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	30	38	38	37	35	34	32	40	40	39	37	36	22	57	21	26	27	26	22	36	21	26	27	22				
941	34 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	23	31	31	30	28	26	39	73	38	43	44	43	39	53	38	43	43	39				
942	25 SPRING MILL AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	25	24	21	29	29	28	27	25	19	52	17	22	23	22	19	31	17	22	23	19				
943	15 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	34	42	42	41	39	38	36	44	44	43	41	39	33	60	31	37	37	37	33	40	31	37	37	33				
944	9 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	33	41	41	40	38	37	37	45	45	44	43	41	30	62	28	33	34	33	30	42	28	33	34	30				
945	4 KUMBATINE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	24	32	32	31	30	28	29	37	37	36	34	33	33	64	32	37	37	37	34	43	33	38	38	34				
946	13 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	32	40	40	39	37	36	21	56	20	25	25	25	20	35	19	24	25	20				
947	44 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	25	33	33	32	30	28	24	32	32	31	29	28	18	50	16	22	22	22	18	29	16	22	22	18				
948	17 HARVARD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	24	22	30	30	29	27	26	22	54	20	26	26	26	22	33	21	26	27	23				
949	6 NOBLE WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	21	29	29	28	26	25	24	32	32	31	29	28	15	47	14	19	19	19	15	27	14	19	19	15				
950	8 SANDLEWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	30	38	38	37	35	34	34	42	42	41	39	38	28	57	26	32	32	31	28	36	26	32	32	28				
951	18 KUMBATINE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	15	14	22	22	21	19	18	26	58	24	29	30	29	27	38	25	31	31	27				
952	8 BARDSLEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	28	36	36	35	33	32	26	34	34	33	31	30	15	49	14	19	19	19	15	28	14	19	19	15				
953	12 PLEASANCE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	28	36	36	35	33	31	30	38	38	37	35	34	13	48	11	17	17	16	13	27	11	17	17	13				
954	3 REGIS GR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	28	36	36	35	33	32	20	52	19	24	24	24	20	31	19	24	25	20				
955	101 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	17	25	25	24	22	21	18	52	17	22	23	22	19	31	18	23	24	20				
956	29 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	29	37	37	36	34	33	32	66	31	36	37	36	33	45	32	37	37	33				
957	7 NEEDLEWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	35	43	43	42	40	38	36	44	44	43	41	40	24	58	23	28	29	28	24	38	23	28	29	25				
958	12 SPRING MILL AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	21	29	29	28	26	25	25	33	33	32	30	29	25	59	23	28	29	28	25	38	23	28	29	25				
959	10 BLADENSBURG RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	15	14	12	20	20	19	17	16	18	53	16	21	22	21	18	32	17	22	22	18				
960	8 SCRIBBLYGUM CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	28	27	25	32	32	32	30	28	22	53	21	26	26	26	22	33	21	26	26	22				
961	1 BROOKHAVEN ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	31	39	39	38	36	35	31	39	39	38	36	35	19	53	18	23	23	23	14	32	13	18	18	14				
962	3 SETON PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	29	26	34	34	33	31	30	21	52	19	25	25	25	22	31	21	26	26	22				
963	59 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	28	27	24	32	32	31	29	28	17	52	16	21	21	21	17	32	16	21	21	17				
964	2 SEED ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	33	41	41	40	38	37	32	40	40	39	37	36	13	50	12	17	17	17	13	29	12	17	17	13				
965	342 ANNANGROVE RD, ROUSE HILL NSW 2155	Industrial/Utilities	1	70	70	70	70	43	51	51	50	48	47	41	49	49	48	47	45	26	59	25	30	30	30	23	39	22	27	28	24				
966	41 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	33	41	41	40	39	37	35	43	43	42	41	39	35	67	33	38	39	38	33	47	32	37	37	33				
968	69 CLOVER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	35	43	43	42	40	38	35	43	43	42	41	39	21	53	20	25	25	25	21	32	20	25	25	21				
969	30 EMPRESS AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	19	27	27	26	24	23	19	53	18	23	23	23	19	33	18	23	23	19				
970	16 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	23	30	31	30	28	26	33	63	32	37	37	37	34	43	32	38	38	34				
971	92 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	25	33	33	32	30	29	28	61	26	32	32	32	28	40	27	32	32	28				
972	23 MORRISEY WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	14	21	22	21	19	17	33	65	32	37	38	37	33	44	32	37	37	33				
973	32 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	15	14	22	22	21	19	18	28	61	27	32	32	32	28	40	27	32	33	28				
974	7 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	31	39	39	38	36	34	35	67	34	39	39	39	35	47	34	39	40	35				
975	56 CLOVER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	25	24	20	28	28	27	25	24	26	59	25	30	30	30	26	38	25	30	30	26				
976	3 MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	18	26	26	25	23	22	23	55	21	27	27	27	23	35	21	27	27	23				
977	13 CONNOR PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	28	36	36	35	34	32	38	70	37	42	42	42	38	49	37	42	42	38				
978	11 HERMITAGE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	30	37	38	37	35	33	40	69	39	44	44	44	40	48	39	44	44	40				
980	8 LIBERTY WAY, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	27	25	23	31	31	30	29	27	35	68	33	38	39	38	36	47	35	40	40	36				
981	3 COCOPARRA CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	19	27	27	26	24	23	30	61	28	34	34	34	30	40	28	34	34	30				
982	12 SANDLEWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	36	44	44	43	41	40	23	56	21	27	27	26	23	36	21							

Receiver ID	Address	Land use	Noise Catchment Area	Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																														
				Noise Management Level				WRRF													Lot 96						SP1022				SP1022 with mitigation			
				Standard hours	Outside standard hours			CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10			
1000	44 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	16	24	24	23	21	20	31	38	39	38	36	34	27	59	26	31	31	31	27	38	26	31	31	27			
1001	9 PARAMOUNT CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	33	31	39	39	38	36	35	46	74	45	50	50	46	53	45	50	50	46				
1002	7 GRIMMETT AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	35	28	36	35	33	32	18	52	17	22	22	18	31	17	22	22	18					
1004	114 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	31	29	21	29	29	28	26	25	21	55	20	25	25	25	21	35	19	25	21				
1005	24 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	22	29	30	29	27	25	23	55	22	27	27	23	35	22	27	23					
1008	117 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	33	31	39	39	38	36	35	39	69	38	43	43	41	48	39	45	45	41				
1009	19 COURSEBROOK ST, BOX HILL NSW 2765	Residential	1	51	46	44	35	21	29	29	28	26	24	20	28	28	27	25	24	10	47	8	14	14	14	10	26	8	14	14				
1010	24 GREYGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	29	37	37	36	35	33	29	37	37	36	34	33	20	55	19	24	25	24	20	34	19	24	25				
1011	35 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	41	49	49	48	46	44	45	53	53	52	50	48	24	56	23	28	28	28	25	35	24	29	29				
1012	30 ROSS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	15	12	20	20	19	17	15	11	47	10	15	15	15	11	27	10	15	16				
1013	1 LINDEMAN CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	32	40	40	39	37	36	29	60	27	33	33	32	29	40	27	33	29				
1014	10 FINGLETON CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	30	38	38	37	35	34	34	41	42	41	39	37	16	48	14	19	20	19	16	27	14	19	20				
1015	75 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	30	38	38	37	35	34	27	60	25	31	31	31	28	40	26	31	32				
1016	3 DARLEY CT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	16	16	24	24	23	21	20	17	49	16	21	21	21	18	28	16	22	22				
1017	2 HYATT CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	28	36	36	35	33	32	23	54	21	26	27	26	23	34	22	27	23				
1018	28 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	27	35	35	34	32	31	32	64	31	36	36	36	33	43	32	37	38				
1019	129 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	31	39	39	38	36	34	38	68	37	42	43	42	39	48	38	43	39				
1020	22 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	20	27	35	35	34	32	31	25	56	24	29	30	29	25	35	24	29	30				
1021	8 SPOFFORTH AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	35	32	40	40	39	37	36	14	48	13	18	19	18	14	28	13	18	19				
1022	8 TURNBERRY WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	19	27	27	26	25	23	24	32	32	31	29	27	23	57	21	26	27	26	23	37	21	26	27				
1023	16 RIVERGUM WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	45	53	53	52	50	49	47	55	55	54	52	51	31	64	30	35	36	35	30	44	29	34	34				
1024	3 WARRUMBUNGLE CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	29	37	37	36	34	33	33	63	31	37	37	36	34	42	33	38	34				
1025	10 TAYLEE PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	16	24	24	23	21	20	63	91	62	67	68	67	63	71	62	67	68	64				
1026	3 WELFORD CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	15	12	20	20	19	17	16	34	64	33	38	38	34	43	33	38	38	34				
1027	5 TURNBERRY WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	11	19	19	18	16	15	14	22	22	21	19	18	23	57	21	27	27	27	23	37	21	27	23				
1028	12 EVERGREEN WAY, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	21	19	18	26	26	25	23	22	34	67	33	38	39	38	36	47	34	40	36				
1029	12 TALLAGANDA ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	29	26	34	34	33	31	30	31	62	30	35	36	35	32	41	31	36	32				
1030	125 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	38	37	36	44	44	43	41	40	19	49	17	22	23	22	19	29	17	22	23				
1031	27 NELSON RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	31	39	39	38	36	34	30	38	38	37	35	34	16	52	14	20	20	15	31	14	19	19	15				
1032	3 BULB WAY, BOX HILL NSW 2765	Residential	2	44	39	39	35	36	44	44	43	41	40	35	43	43	42	40	39	24	56	23	28	29	28	21	35	20	25	26				
1033	6 SEED ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	32	40	40	39	37	36	31	39	39	38	36	35	23	56	22	27	27	27	23	35	22	27	23				
1035	40 OUTBACK ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	34	42	42	41	40	38	35	43	43	42	40	39	24	58	23	28	28	28	24	37	23	28	24				
1036	56 TABLELANDS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	23	31	31	30	28	27	31	39	39	38	36	35	13	48	11	16	17	16	13	28	11	17	13				
1037	11 CORNELL CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	18	26	26	25	23	22	18	51	17	22	22	19	30	17	22	23	19				
1038	16 BARAKEE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	14	22	22	21	19	17	16	50	14	19	20	19	16	29	14	19	20				
1039	53 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	21	29	29	28	26	25	28	60	26	31	32	31	28	39	26	31	32				
1040	130 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	29	37	37	36	34	33	20	52	18	24	24	20	31	19	24	24	20				
1041	63 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	21	29	29	28	26	24	36	68	34	39	40	39	35	47	34	39	35				
1042	61 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	29	36	37	36	34	32	32	64	30	36	36	35	32	43	31	36	36				
1043	10 MCGILVRAY PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	19	27	27	26	24	23	20	28	28	27	25	24	21	55	19	25	25	25	21	35	19	25	21				
1044	2 EMPRESS AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	20	28	28	27	25	24	17	51	16	21	22	21	18	30	17	22	22				
1045	53 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	18	26	26	25	23	22	29	60	28	33	33	33	29	40	28	33	29				
1046	44 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	13	30	31	30	28	26	28	57	26	32	32	32	28	37	26	32	28				
1047	4 SHANNON ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	21	29	29	28	26	25	27	60	25	30	31	30	27	39	26	31	32				
1048	3 CHEVRON PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	28	29	37	37	36	34	33	23	57	22	27	27	27	23	36	22	27	23				
1049	4 SPRING MILL AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	21	29	29	28	26	25	33	41	41	40	38	37	22	56	20	26	26	26	22	36	20	26	22				
1050	2 ROSS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	15	14	8	16	16	15	13	11	9	43	7	13	13	9	22	8	13	14	9				
1051	59 COCOPARRA CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	33	31	38	38	38	36	34	36	66	34	40	40	40	36	45	34	40	36				
1052	11 MAYFAIR AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	28	26	25	33	33	32	30	29	33	65	32	37	37	33	45	32	37	33	33				
1053	132 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	31	29	27	35	35	34	33	31	25	58	24	29	29	25	37	24	29	29	25				
1054	22 MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14																										

Receiver ID	Address	Land use	Noise Catchment Area	Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																													
				Noise Management Level			WRRF										Lot 96						SP1022						SP1022 with mitigation				
				Standard hours	Outside standard hours			CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02
1071	19 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	29	36	44	44	43	41	40	31	64	30	35	35	35	32	43	30	36	36	32		
1073	5 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	26	34	34	33	31	30	25	58	23	29	29	29	25	38	24	29	30	25		
1074	4 COACHWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	38	46	46	45	43	42	25	58	24	29	29	29	25	37	24	29	29	25		
1075	10 TAYLEE PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	24	23	31	31	30	28	26	65	92	63	68	69	68	65	72	63	68	69	65		
1076	4 SARABAH ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	8	16	16	15	13	12	11	19	19	18	16	15	28	59	26	32	32	32	29	38	28	33	33	29		
1077	39 YELLOWGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	40	48	48	47	46	44	45	53	53	52	50	49	18	49	17	22	23	22	18	28	17	22	22	18		
1079	73 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	26	24	22	30	30	29	27	26	34	67	32	37	38	37	34	46	32	37	38	34		
1080	11 REDBUSH CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	24	32	32	31	29	28	30	38	38	37	35	34	30	62	29	34	34	34	30	41	29	34	34	30		
1081	30 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	15	23	23	22	20	19	29	62	27	32	33	32	29	42	27	32	33	29		
1082	8 HOPKINS CT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	29	36	37	36	34	32	23	54	22	27	27	27	24	33	23	28	28	24		
1083	12 GREYGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	28	27	26	34	34	33	31	30	21	55	20	25	25	25	21	35	20	25	25	21		
1084	17 HYATT CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	23	21	29	29	28	26	25	25	58	24	29	29	29	26	37	24	30	30	26		
1085	5 WATERGUM CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	35	33	41	41	40	38	37	30	64	29	34	34	34	30	44	29	34	34	30		
1086	6 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	32	33	41	41	40	38	37	34	67	33	38	38	38	34	47	33	38	38	34		
1087	1 MORRISEY WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	18	26	26	25	23	22	17	52	16	21	21	21	18	31	16	21	22	18		
1088	33 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	44	52	52	51	49	47	48	56	56	55	54	52	24	57	23	28	28	28	25	36	24	29	29	25		
1089	133 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	31	39	39	38	36	35	19	52	18	23	24	23	19	32	18	23	23	19		
1090	11 YELLOWGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	31	30	28	36	36	35	33	32	25	59	23	29	29	29	25	38	23	28	29	25		
1091	51 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	36	44	44	43	41	40	40	48	48	47	45	44	19	53	17	23	23	22	19	33	17	23	23	19		
1092	11 KINDILEN CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	27	25	24	32	32	31	29	28	41	69	39	45	45	45	41	48	39	45	45	41		
1094	8 KNOX PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	34	42	42	41	39	38	49	82	48	53	53	53	49	61	48	53	53	49		
1095	4 SANDLEWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	18	26	26	25	23	21	19	27	27	26	24	23	28	60	27	32	33	32	28	40	27	32	33	28		
1096	27 PLEASANCE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	29	37	37	36	34	33	30	38	38	37	35	34	14	50	12	17	18	17	13	29	12	17	17	13		
1097	3 STREAMDALE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	30	38	38	37	35	34	31	39	39	38	37	35	19	52	18	23	23	23	14	31	13	18	18	14		
1098	8 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	28	36	36	35	33	32	35	66	33	39	39	39	35	46	34	39	39	35		
1100	20 TALLAGANDA ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	29	37	37	36	34	33	34	64	32	37	38	37	34	43	33	38	38	34		
1101	95 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	36	44	44	43	41	40	34	42	42	41	39	38	22	52	21	26	26	22	31	21	26	26	22	20		
1102	12 SPOTTEDGUM PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	43	51	51	50	49	47	37	45	45	44	42	40	52	18	24	24	23	20	32	18	24	24	20	22		
1103	5 HIGHGATE CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	25	33	33	32	30	29	42	72	41	46	46	46	43	51	42	47	47	43		
1104	324 ANNANGROVE RD, ROUSE HILL NSW 2155	Commercial/Business	2	70	70	70	70	40	48	48	47	45	44	43	50	51	50	48	46	28	61	26	32	32	31	26	40	25	30	31	26		
1105	2 WATERGUM CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	34	42	42	41	39	38	37	69	36	41	41	41	37	48	36	41	41	37		
1106	2 EXPEDITION ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	20	18	17	35	35	34	32	31	34	64	33	38	38	34	43	33	38	38	34	20		
1107	12 RAVENSBORNE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	17	27	27	26	24	23	31	63	30	35	36	35	33	42	31	37	37	33		
1108	6 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	31	29	29	37	37	36	34	33	23	57	21	27	27	23	37	21	27	27	23			
1109	6 MORRISEY WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	19	27	27	26	24	22	17	52	16	21	22	21	18	31	16	22	22	18		
1110	3 PARAMOUNT CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	29	37	37	36	34	32	39	69	38	43	44	43	40	48	38	44	44	40		
1111	155 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	29	37	37	36	34	33	13	47	12	17	17	15	26	13	18	19	15			
1112	37 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	38	46	46	45	43	42	41	49	49	48	46	45	33	66	32	37	37	37	33	46	32	37	37	33		
1113	1 EMPRESS AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	21	29	29	28	26	25	16	48	14	20	20	17	27	16	21	21	17	14		
1114	29 YELLOWGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	36	44	44	43	42	40	34	42	42	41	39	38	24	59	22	28	28	27	24	38	22	28	28	24		
1115	6 YELLOWGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	28	26	25	33	33	32	30	29	21	54	20	25	25	25	21	34	19	25	25	21		
1116	39 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	49	57	57	56	54	53	49	57	57	56	54	53	20	55	19	24	24	24	20	34	18	24	24	20		
1117	17 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	36	44	44	43	41	40	39	47	47	46	45	43	29	60	28	33	34	33	29	39	28	33	34	29		
1118	37 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	33	41	41	40	38	36	33	69	32	37	38	37	33	48	32	37	37	33		
1119	25 MORRISEY WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	11	19	19	18	17	15	14	21	22	21	19	17	34	65	33	38	38	34	45	32	37	38	34			
1120	1 MONEY CL, ROUSE HILL NSW 2155	Industrial/Utilities	2	70	70	70	70	25	33	33	32	30	29	26	34	34	33	31	30	25	59	23	28	29	28	25	38	24	29	29	25		
1121	11 LIBERTY WAY, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	24	32	32	31	29	27	34	66	33	38	38	36	46	35	40	40	36			
1122	111 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	35	43	43	42	40	38	36	44	44	43	41	40	22	54	20	26	26	23	33	21	26	27	23			
1123	48 BOX RD, BOX HILL NSW 2765	Residential	1	51	46	44	35	34	42	42	41	39	38	34	42	42	41	39	38	26	58	24	29	3									

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level			Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																								
				Standard hours	Outside standard hours			WRRF					Lot 96					SP1022					SP1022 with mitigation								
					Day	Evening	Night	CS01	CS02	CS05	CS10	CS01	CS02	CS04	CS05	CS10	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10			
1142	21 SARABAH ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	21	26	34	34	33	31	30	29	61	28	33	33	33	29	41	28	33	33	29
1143	70 CLOVER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	17	25	25	24	22	21	21	28	29	28	26	24	33	64	31	37	37	37	30	44	29	34	34	30
1144	81 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	22	21	26	34	34	33	31	29	33	65	32	37	37	37	30	44	29	38	38	34
1145	8 LINDWALL PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	22	30	30	29	27	26	25	33	33	32	30	29	19	54	18	23	23	23	19	33	18	23	23	19
1146	77 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	33	41	41	40	38	37	36	44	44	43	41	39	25	59	24	29	29	29	26	39	24	30	30	26
1147	17 FINGLETON CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	31	29	28	36	36	35	33	32	55	20	25	25	25	20	34	19	24	24	20	
1148	38 BUDAWANG AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	20	18	24	32	32	31	29	27	43	72	42	47	47	47	43	51	42	47	47	43
1149	16 TALLAGANDA ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	29	37	37	36	34	33	62	30	36	36	36	37	41	31	37	37	33	
1150	33 YELLOWGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	43	51	51	50	48	46	40	48	48	47	45	44	18	50	17	22	22	22	18	29	17	22	22	18
1151	47 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	26	34	34	33	31	30	38	67	36	42	42	42	39	47	38	43	43	39
1152	106 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	25	33	33	32	30	28	33	41	41	40	38	37	20	53	18	24	24	24	20	33	18	24	24	20
1153	30 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	37	45	45	44	42	41	37	45	45	44	43	41	22	54	21	26	26	22	33	21	26	26	22	
1154	46 LIMESTONE RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	23	31	31	30	28	27	28	36	36	35	34	32	18	51	17	22	22	12	30	11	16	17	12	
1155	5 COCOPARRA CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	16	24	24	23	21	20	31	61	30	35	36	35	32	41	31	36	36	32
1156	10 WEERONA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	26	26	34	34	33	31	30	32	64	30	35	36	35	32	43	30	36	36	32
1157	5 NUNKERE CR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	17	25	25	24	22	21	73	101	72	77	78	77	62	81	61	66	66	62
1158	35 WARRABAH RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	29	37	37	36	34	32	33	64	31	37	37	37	34	43	32	38	38	34
1159	73 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	30	38	38	37	35	34	33	64	32	37	37	37	33	44	42	37	37	33
1160	42 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	20	18	26	26	25	23	22	30	62	28	34	34	34	31	41	30	35	35	31
1161	38 HARVARD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	26	34	34	33	31	30	22	53	20	26	26	23	33	21	26	27	23	
1162	38 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	18	26	26	25	23	22	27	61	26	31	31	31	29	40	27	33	33	29
1163	5 PARAMOUNT CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	34	31	39	39	38	36	35	45	74	44	49	49	45	53	44	49	49	45	
1164	30 GREEN HILLS DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	21	29	29	28	26	25	24	32	32	31	29	28	19	54	17	22	22	19	33	17	22	23	19	
1165	64 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	36	44	44	43	41	40	35	43	43	42	40	38	17	52	16	21	21	21	17	32	16	21	21	17
1166	17 MINDARIBBA AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	30	32	40	40	39	37	35	55	83	53	59	59	55	62	53	59	59	55	
1167	5 GARNET PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	26	33	34	33	31	29	30	65	29	34	34	34	30	44	29	34	34	30
1168	50 GREENSBOROUGH AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	37	35	36	43	44	43	41	39	30	64	29	34	35	34	30	43	29	34	35	31
1169	64 BLADENSBURG DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	24	32	32	31	29	28	21	56	20	25	25	21	35	20	25	25	21	
1170	4 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	29	37	37	36	35	33	26	55	24	30	30	29	26	34	24	30	30	26
1171	6 SETON PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	29	37	37	36	34	33	26	59	25	30	30	30	27	39	25	31	31	27
1172	18 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	15	23	23	22	20	19	35	65	34	39	40	39	37	45	35	41	41	37
1173	39 COCOPARRA CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	8	16	16	15	13	12	9	17	17	16	14	13	34	63	32	38	38	37	34	43	32	38	38	34
1174	2 GARNET PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	31	39	39	38	37	35	41	70	39	45	45	45	41	50	40	45	45	41
1175	9 SARABAH ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	9	17	17	16	14	13	20	28	28	27	25	24	28	60	26	32	32	32	29	39	28	33	34	30
1177	8 KUMBATINE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	27	35	35	34	33	31	33	64	32	37	38	37	34	43	38	38	34	30
1178	29 MONARCH CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	19	18	25	26	25	23	21	28	62	27	32	33	32	28	42	27	32	33	29
1179	12 YELLOWGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	28	27	31	39	39	38	36	35	25	59	24	29	29	25	38	23	29	29	25	
1180	19 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	16	14	22	22	21	19	18	31	62	29	34	35	34	31	41	29	34	35	31
1181	26 GREYGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	35	32	40	40	39	38	36	17	50	16	21	21	21	17	30	16	21	21	17
1182	4 SCRIBBLYGUM CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	24	32	32	31	29	28	23	31	31	30	28	27	20	53	19	24	24	24	20	32	19	24	24	20
1183	11 NUNKERE CR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	23	31	31	30	28	26	71	99	70	75	75	75	71	78	69	74	75	71
1185	48 BOX RD, BOX HILL NSW 2765	Residential	1	51	46	44	35	35	43	43	42	40	39	34	42	42	41	39	38	25	58	24	29	30	29	25	37	24	29	29	25
1186	107 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	17	25	25	24	22	21	38	69	37	42	42	42	40	48	39	44	44	40
1187	9 MINDARIBBA AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	29	36	37	36	34	32	50	80	48	54	54	54	51	59	49	55	55	51
1189	33 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	16	14	12	20	20	18	16	38	67	37	42	42	42	40	46	39	44	44	40	
1190	5 FINGLETON CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	29	37	37	36	34	33	33	41	41	40	38	37	21	54	19	24	25	24	20	33	18	24	24	20
1191	10 LIBERTY WAY, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	15	14	12	20	20	19	17	16	38	67	36	41	42	41	38	47	36	41	42	38
1192	73 CLOVER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	34	42	42	41	40	38	36	43	44	43	41	39	20	51	18	24	24	24	20	30	18	24	24	20
1193	108 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	22	22	30	30	29	27	26	22	56	20	26	26	25	22	36	21	26	26	22
11																															

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level																				Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)											
				Standard hours	Outside standard hours			WRRF								Lot 96				SP1022				SP1022 with mitigation											
					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS07	CS08	CS09	CS10					
1213	36 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	36	44	44	43	41	40	38	46	46	45	43	42	21	53	20	25	26	25	21	32	20	25	26	21				
1214	2 CLEVELAND CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	29	37	37	36	35	33	30	38	38	37	36	34	28	59	27	32	32	32	29	38	28	33	34	29				
1215	19 SARABAH ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	4	12	12	11	9	8	21	29	29	28	26	25	31	61	29	34	35	34	31	40	30	35	35	31				
1217	4 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	23	23	31	31	30	28	26	35	68	34	39	39	39	35	48	34	39	39	35				
1218	1 PLEASANCE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	31	39	39	38	36	35	30	38	38	37	35	34	16	52	14	19	20	19	16	32	14	19	20	16				
1219	4 TURNBERRY WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	29	27	28	36	36	35	33	32	25	59	23	29	29	29	25	39	23	29	29	25				
1220	5 CLEVELAND CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	28	35	36	35	33	31	36	69	34	39	40	39	36	49	34	39	40	36				
1221	4 CONNOR PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	22	22	30	30	29	27	26	41	72	40	45	46	45	41	52	40	45	46	41				
1222	31 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	35	43	43	42	40	38	38	46	46	45	43	42	30	59	28	34	34	33	30	39	28	34	34	30				
1223	64 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	15	23	23	22	20	19	26	60	25	30	30	30	26	39	25	30	31	27				
1224	40 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	29	27	35	35	34	32	31	28	63	27	32	32	32	30	42	28	34	34	30				
1225	19 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	22	30	30	29	27	26	26	33	34	33	31	29	21	55	20	25	26	25	21	35	20	25	26	21				
1226	12 RIVERGUM WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	28	36	36	35	33	32	35	43	43	42	41	39	26	60	24	30	30	30	25	39	24	29	29	25				
1227	18 BLADENSBURG RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	15	23	23	22	20	18	24	58	23	28	29	28	25	37	24	29	30	26				
1228	11 KNOX PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	28	27	35	35	34	32	31	74	102	73	78	78	78	65	82	64	69	70	66				
1229	15/591 WITHERS RD, ROUSE HILL NSW 2155	Industrial/Utilities	2	70	70	70	70	26	34	34	33	31	29	26	44	44	43	41	40	32	64	30	36	36	36	32	44	30	36	36	32				
1230	101 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	37	45	45	44	43	41	36	44	44	43	41	40	20	51	19	24	24	24	20	31	19	24	25	20				
1231	4 WEEROONA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	29	36	37	36	34	32	30	60	29	34	34	34	30	39	29	34	34	30				
1232	99 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	20	28	28	27	25	24	28	61	27	32	32	32	30	41	29	34	34	30				
1233	14 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	25	23	31	31	30	28	27	30	64	29	34	35	34	31	43	29	35	35	31				
1234	8 WICKLOW PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	36	44	44	43	41	40	42	50	50	49	47	46	26	57	25	30	31	30	26	36	25	30	31	27				
1235	13 REDBUSH CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	28	27	27	35	35	34	32	31	28	60	26	32	32	32	28	40	26	32	32	28				
1236	6 SANDLEWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	13	21	21	20	18	17	20	28	28	27	25	24	32	63	30	36	36	36	32	42	30	36	36	32				
1237	24 GREENSBOROUGH AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	10	18	18	17	15	14	11	19	19	18	16	15	28	61	27	32	33	32	28	40	27	32	33	29				
1238	22 RIVERGUM WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	36	44	44	43	42	40	48	56	56	55	53	52	31	64	29	34	35	34	29	43	28	33	33	29				
1239	12 HYATT CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	29	37	37	36	34	33	27	60	25	30	31	30	27	40	25	30	31	27				
1240	5 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	27	35	35	34	32	31	38	70	36	42	42	42	38	50	36	42	42	38				
1241	7 BUDAWANG AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	31	39	39	38	36	35	40	70	39	44	45	44	41	49	40	45	46	42				
1242	1 RUBY CT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	29	28	36	36	35	33	32	36	68	34	40	40	39	36	48	34	40	40	36				
1243	11 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	28	36	36	35	33	32	18	50	17	22	23	22	18	30	17	22	23	19				
1244	36 BLADENSBURG RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	32	40	40	39	37	36	24	58	23	28	28	28	24	37	23	28	29	24				
1245	1 MONARCH CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	26	34	34	33	32	30	25	58	24	29	29	29	25	37	24	29	29	25				
1246	3 SPOFFORTH AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	34	31	39	39	38	36	35	18	51	17	22	22	22	18	31	17	22	22	18				
1247	22 SPRING MILL AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	22	30	30	29	27	26	25	33	33	32	30	29	23	57	22	27	28	27	25	36	23	29	29	25				
1248	19 NELSON RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	30	38	38	37	35	33	29	37	37	36	34	32	17	52	15	21	21	21	17	31	15	21	21	17				
1249	41 TIMBERCREST ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	26	34	34	33	31	30	32	40	40	39	37	35	18	47	16	22	22	22	17	27	16	21	21	17				
1250	15 RIVERGUM WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	35	43	43	42	40	39	38	46	46	45	43	42	31	64	30	35	35	29	44	28	33	33	29					
1251	18 GREEN HILLS DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	22	30	30	29	27	26	23	31	31	30	29	27	19	54	17	23	23	23	19	33	17	23	23	19				
1252	37 MINDARIBBA AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	30	29	36	37	36	34	32	40	71	39	44	45	44	40	50	39	44	44	40				
1253	41 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	30	38	38	37	35	34	36	70	35	40	40	40	34	50	33	38	38	34				
1254	113 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	19	27	27	26	24	23	19	53	18	23	23	23	20	32	18	24	24	20				
1256	2 CAPITAL PL, ROUSE HILL NSW 2155	Industrial/Utilities	1	70	70	70	70	42	50	50	49	47	46	40	48	48	47	46	44	20	54	18	24	24	23	20	34	18	24	24	20				
1257	36 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	17	18	26	26	25	23	22	25	58	24	29	29	25	38	24	29	29	25					
1258	58 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	27	35	35	34	32	31	32	63	31	36	36	36	32	42	31	36	36	32				
1259	122 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	19	20	28	28	27	25	23	31	63	29	35	35	35	31	43	29	35	35	31				
1261	7 MCCABE PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	21	29	29	28	26	25	22	30	30	29	27	26	17	51	16	21	22	21	17	31	16	21	22	18				
1262	11 SARABAH ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	17	25	25	24	22	21	22	57	21	26	26	26	23	36	21	27	27	23				
1263	135 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	27	34	35	34	32	30	17	51	16	21	22	21	18	31	17	22	23	19				
1264	13 MCGILVRAV PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	38	37	32	40	40	39	37	35	21	54														

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				Standard hours	Outside standard hours			WRRF								Lot 96								SP1022								SP1022 with mitigation							
					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10								
1283	13 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	18	26	26	25	24	22	31	63	30	35	35	35	31	43	30	35	31									
1285	21 THE WATER LANE, BOX HILL NSW 2765	Residential	1	51	46	44	35	34	42	42	41	39	37	33	41	41	40	38	37	15	51	13	19	19	19	15	31	13	19	15									
1286	18 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	24	32	32	31	29	28	40	72	38	43	44	43	40	51	38	43	44									
1287	1 SETON PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	29	27	35	35	34	32	31	25	58	24	29	30	29	26	37	24	30	26									
1288	13 WELFORD CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	17	25	25	24	22	21	26	60	25	30	30	30	26	39	25	30	26									
1289	13 RADISSON PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	20	28	28	27	25	24	33	63	32	37	38	37	33	43	32	37	38									
1290	4 RAVENSBORNE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	28	36	36	35	33	32	33	63	31	37	37	37	34	43	32	38	34									
1291	44 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	24	32	32	31	29	28	39	70	38	43	44	43	41	49	40	45	41									
1292	62 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	37	45	45	44	42	40	35	43	43	42	40	39	18	51	17	22	22	22	18	31	17	22	18									
1293	1 RAVENSBORNE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	22	20	25	33	33	32	30	29	33	63	32	37	37	37	34	43	32	38	34									
1295	17 PARAMOUNT CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	32	40	40	39	37	36	33	41	41	40	38	37	39	70	37	43	43	43	39	49	38	43	39									
1296	83 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	18	26	26	25	23	22	36	66	35	40	40	40	38	46	37	42	38									
1297	45 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	29	29	37	37	36	34	33	36	68	34	39	40	39	35	47	34	42	35									
1298	23 MONARCH CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	19	17	25	25	24	23	21	30	62	29	34	34	34	30	41	29	34	34									
1299	6 RAMORNIE DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	30	38	38	37	35	34	33	64	31	37	37	37	33	43	31	37	33									
1300	32 WELGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	19	27	27	26	24	23	25	58	23	29	29	29	26	38	25	30	26									
1301	16 LONGMEADOW PWY, BOX HILL NSW 2765	Residential	2	44	39	39	35	14	22	22	21	19	18	30	38	38	37	35	33	9	42	8	13	14	13	7	21	5	11	11									
1302	26 HIGHGATE CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	21	29	29	28	26	25	36	68	34	40	40	40	36	47	35	40	36									
1303	1 CLEVELAND CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	23	31	31	30	28	27	32	62	30	36	36	35	32	42	31	36	37									
1304	26 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	21	28	29	28	26	24	39	71	37	42	43	42	38	50	37	42	38									
1305	7 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	23	31	31	30	28	27	31	62	30	35	36	35	31	41	30	35	36									
1306	2 BLADENSBURG RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	24	32	32	31	30	28	20	55	19	24	24	24	21	34	20	25	21									
1307	19 LIMESTONE RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	34	42	42	41	39	38	34	42	42	41	39	38	20	54	19	24	24	24	14	33	13	18	19									
1308	29 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	14	12	20	20	19	17	16	36	65	35	40	40	40	38	44	37	42	42									
1309	53 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	24	28	36	36	35	34	32	33	65	32	37	38	37	35	45	33	39	35									
1310	17 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	29	37	37	36	34	33	30	62	28	33	34	33	31	42	29	35	31									
1311	20 MAYFAIR AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	28	26	34	34	33	31	30	32	65	31	36	37	36	33	45	31	37	37									
1312	4 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	28	28	36	36	35	33	31	37	67	35	41	41	40	37	47	35	41	41									
1313	22 WELFORD CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	21	29	29	28	26	25	34	64	32	37	38	37	34	43	32	37	38									
1314	57 COCOPARRA CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	30	38	38	37	36	34	36	66	35	40	40	40	36	45	35	40	36									
1315	37 YELLOWGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	41	49	49	48	46	44	45	53	53	52	50	48	16	48	15	20	21	20	16	28	15	20	17									
1316	5 DONEGAL PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	21	19	27	27	26	24	23	35	69	34	39	40	39	36	48	34	39	40									
1317	17 CLOVER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	38	37	35	43	43	42	40	39	30	63	28	33	34	33	30	42	28	33	34									
1318	83 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	34	35	43	43	42	40	39	22	52	21	26	27	26	22	32	21	26	27									
1319	113 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	34	42	42	41	39	38	37	45	45	44	42	40	20	50	18	24	24	24	21	30	20	25	21									
1320	31 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	15	15	23	23	22	20	18	36	65	35	40	41	40	39	45	38	43	39									
1321	23 COCOPARRA CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	18	15	23	23	22	20	19	28	61	27	32	32	32	28	40	27	32	28									
1323	38 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	28	26	28	36	36	35	33	32	24	59	23	28	28	28	24	38	23	28	24									
1324	15Z NELSON RD, BOX HILL NSW 2765	Commercial/Business	1	70	70	70	70	27	35	35	34	32	31	28	35	36	35	33	31	10	47	8	14	14	13	10	26	8	14	14									
1326	23 SPRING MILL AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	25	33	33	32	30	29	28	36	36	35	33	32	21	55	19	24	25	24	21	34	19	24	25									
1327	9 WICKLOW PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	41	49	49	48	46	45	47	55	55	54	52	51	28	58	26	31	32	31	27	37	26	31	27									
1328	15 WELFORD CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	16	24	24	23	21	20	26	59	24	29	30	29	26	38	24	29	30									
1329	25 NELSON RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	29	37	37	36	34	33	30	38	38	37	35	34	14	52	13	18	18	18	12	32	10	16	16									
1330	9 CHEVRON PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	32	40	40	39	37	36	27	60	26	31	31	31	27	39	26	31	27									
1332	4 NEST HILL APP, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	15	23	23	22	20	19	14	47	13	18	18	18	14	27	13	18	18									
1333	17 SPRING MILL AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	31	30	29	37	37	36	34	33	23	56	21	27	27	27	23	35	21	27	23									
1334	25 AUGUSTA CT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	25	24	21	28	29	28	26	24	19	54	18	23	23	23	19	34	18	23	19									
1335	32 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	45	53	53	52	50	49	46	54	54	53	51	50	14	47	13	18	18	18	14	26	13	18	14									
1336	6 TRUMPER WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	36	44	44	43	41	40	35	43	43	42	40	39	17	51	15	21	21	20	16	31	15	20	16									
1337	HIGHLANDS RIDGE 69 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	34	35	43	43	42	40	39	28	61	27	32	32	29	41	27	33	33										
1338	25 STAN																																						

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level			Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																												
				Standard hours	Outside standard hours			WRRF								Lot 96								SP1022								SP1022 with mitigation			
					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS08	CS09	CS10	CS01	CS02	CS08	CS09	CS10	CS01	CS07	CS08	CS09	CS10	
1354	7 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	27	34	35	34	32	30	32	63	30	36	36	35	33	42	31	37	37	33				
1355	22 KNOX PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	24	32	32	31	29	28	48	80	47	52	52	46	60	45	50	50	46					
1356	152 NELSON RD, BOX HILL NSW 2765	Commercial/Business	1	70	70	70	70	28	36	36	35	33	32	37	35	34	32	31	10	47	8	14	14	14	10	26	8	14	14	10					
1357	40 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	34	41	42	41	39	37	32	65	30	36	36	36	32	45	31	36	36	32				
1358	12 RAMORNIE DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	32	30	38	38	37	35	34	33	64	32	37	37	37	33	43	32	37	33					
1359	7 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	16	24	24	23	22	20	18	26	26	25	23	22	36	68	35	40	40	36	48	35	40	41	36					
1360	4 YELLOWGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	38	37	36	44	44	43	41	40	25	59	24	29	29	25	38	23	29	29	25					
1362	2 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	31	39	39	38	36	35	31	64	29	35	35	30	43	29	34	35	31					
1363	8 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	8	16	16	15	13	11	11	19	19	18	16	15	15	51	14	19	20	19	16	30	15	20	20	16				
1364	21 RIVERGUM WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	22	30	30	29	27	26	26	34	34	33	31	30	26	60	25	30	31	30	26	39	25	30	31	26				
1365	39A HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	26	34	34	33	31	29	23	53	22	27	28	27	18	33	17	22	22	18				
1366	115 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	21	29	29	28	26	24	29	37	37	36	34	32	23	56	22	27	27	22	36	21	26	26	22					
1367	9 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	27	34	35	34	32	30	32	62	30	36	36	35	32	42	31	36	37	33				
1368	22 PARAMOUNT CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	34	32	40	40	39	37	36	41	71	40	45	45	45	41	51	39	44	45	41				
1370	11 NEEDLEWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	38	37	36	44	44	43	41	40	29	61	28	33	33	33	29	41	28	33	33	29				
1371	42 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	27	35	35	34	33	31	36	44	44	43	41	40	24	58	23	28	28	24	38	23	28	28	24					
1372	62 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	29	26	34	34	33	31	30	33	64	32	37	37	37	35	44	34	39	40	35				
1374	11 WICKLOW PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	41	49	49	48	46	44	48	56	56	55	53	52	28	57	26	32	32	31	26	36	25	30	31	27				
1375	7 EMPRESS AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	18	26	26	25	24	22	18	52	17	22	23	22	19	32	17	23	23	19				
1376	5 DARLEY CT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	17	25	25	24	22	21	17	49	16	21	21	21	18	28	17	22	22	18				
1377	47 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	32	34	42	42	41	39	38	33	65	32	37	38	37	34	44	33	38	38	34				
1378	48 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	39	47	47	46	44	43	25	33	33	32	30	29	19	49	17	22	23	22	19	29	17	22	23	19				
1379	2 WATERFLOW ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	30	38	38	37	35	33	29	37	37	36	34	33	18	52	17	22	23	22	14	32	13	18	18	14				
1380	15 EMPRESS AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	17	25	25	24	22	21	16	49	15	20	20	20	17	28	16	21	22	17				
1381	9 NEST HILL APP, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	22	30	30	29	27	26	22	56	21	26	26	26	23	36	21	27	27	23				
1382	6 TAYLEE PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	16	24	24	23	21	20	61	90	59	64	65	64	61	69	59	64	65	61				
1383	21 EUCALYPTUS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	29	37	37	36	35	33	29	37	37	36	34	33	14	50	13	18	18	18	13	29	12	17	17	13				
1384	7/322 ANNANGROVE RD, ROUSE HILL NSW 2155	Commercial/Business	2	70	70	70	70	33	41	41	40	38	37	40	48	48	47	46	44	20	54	19	24	24	19	33	18	23	24	19					
1386	6 CAPITAL PL, ROUSE HILL NSW 2155	Industrial/Utilities	1	70	70	70	70	32	40	40	39	37	35	32	40	40	39	37	36	17	53	16	21	21	17	32	15	21	21	17					
1387	14 MILFORD RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	15	23	23	22	20	19	42	73	40	46	46	42	53	41	46	46	42					
1388	13 NURSERY PL, BOX HILL NSW 2765	Residential	2	44	39	39	35	30	38	38	37	35	34	29	37	37	36	35	33	12	49	11	16	17	16	12	29	11	16	16	12				
1389	8 BROOKHAVEN ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	31	39	39	38	36	35	31	39	39	38	36	35	14	49	13	18	18	18	12	29	11	16	16	12				
1390	58 TABLELANDS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	23	31	31	30	28	27	30	38	38	37	35	34	12	49	11	16	16	16	12	28	11	16	16	12				
1391	50 TABLELANDS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	17	25	25	24	22	21	27	35	35	34	32	31	10	45	8	13	14	13	10	25	9	14	14	10				
1392	12 BROOKHAVEN ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	22	30	30	29	27	25	25	32	32	31	30	28	10	49	9	14	15	14	10	28	8	14	14	10				
1393	94 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	47	55	55	54	52	51	29	37	37	36	34	33	20	54	18	24	24	23	20	33	18	24	24	20				
1395	5 LINDWALL PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	21	29	29	28	26	25	21	29	29	28	26	25	19	52	17	23	23	23	19	31	17	23	23	19				
1396	3 MINDARIBBA AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	33	41	41	40	38	37	35	43	43	42	40	38	42	75	41	46	47	46	42	55	41	46	47	43				
1398	26 HIGHGATE CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	32	40	40	39	37	36	33	41	41	40	38	37	53	81	51	57	57	57	52	60	51	56	56	52				
1399	1 CHAELUNDI CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	34	42	42	41	39	37	67	36	41	41	41	37	46	36	41	41	37					
1400	33 MINDARIBBA AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	21	29	29	28	26	25	36	69	34	39	40	39	36	48	34	39	40	36				
1401	18 WILLANDRA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	7	15	15	14	12	11	15	23	23	22	20	19	29	60	27	33	33	30	39	29	34	34	30					
1402	16 ROSS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	15	13	21	21	20	18	16	12	47	11	16	16	16	13	26	11	17	17	13				
1404	21 PARAMOUNT CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	29	37	37	36	34	33	34	66	33	38	38	38	35	46	33	39	39	35				
1405	10 AUGUSTA CT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	30	38	38	37	35	33	33	41	41	40	38	36	24	59	23	28	28	24	38	23	28	28	24					
1406	5 WILLANDRA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	19	27	27	26	24	23	24	58	22	28	28	28	25	37	23	29	29	25				
1407	6 SPOTTEDGUM PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	43	51	51	50	48	47	36	44	44	43	41	40	17	51	15	21	21	21	17	31	25	21	21	17				
1408	3 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	34	42	42	41	39	38	35	43	43	42	40	39	32	66	31	36	37	36	32	45	31	36	37	33				
1409	35 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	8	16	16	15	13	12	11	19	19	18	16	15	37	65	36	41	41	41	40	45	38	43	44	40				

Receiver ID	Address	Land use	Noise Catchment Area	Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																											
				Noise Management Level			WRRF										Lot 96					SP1022					SP1022 with mitigation				
				Standard hours	Outside standard hours			CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS07	CS08	CS09	CS10	
1426	15 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	33	31	27	34	35	34	32	30	14	48	13	18	18	18	14	27	13	18	18	14
1427	23 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	22	20	28	28	27	25	24	24	57	23	28	28	28	26	37	25	30	30	26
1430	26 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	31	29	27	34	35	34	32	30	27	61	25	30	31	30	27	40	25	30	31	27
1431	3 EMPRESS AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	21	29	29	28	26	25	18	49	16	22	22	21	19	29	17	23	23	19
1434	130 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	31	30	26	34	34	33	31	30	25	58	24	29	29	25	38	24	29	29	25	
1435	36 LIMESTONE RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	28	36	36	35	33	32	27	35	35	34	32	31	13	47	12	17	18	17	10	26	8	14	14	10
1436	10 PELLIGRINO GR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	14	22	22	21	19	18	14	48	13	18	18	15	27	13	19	19	15	
1437	14 BARAKEE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	15	23	23	22	20	19	12	47	10	15	16	15	12	27	10	16	16	12
1438	2 NEEDLEWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	38	37	36	44	44	43	41	40	20	51	18	24	24	24	20	30	18	24	24	20
1439	6 WELLGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	29	37	37	36	34	33	38	67	36	41	42	41	37	46	36	41	41	37
1440	46 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	26	34	34	33	31	30	36	69	35	40	40	40	36	49	34	40	40	36
1441	20 HIGHLANDS WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	16	24	24	23	21	20	18	52	16	21	22	21	18	31	17	22	22	18
1442	30 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	22	23	31	31	30	28	27	26	60	24	30	30	26	39	25	30	30	26	
1443	2 PLEASANCE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	34	42	42	41	39	37	33	41	41	40	38	36	16	51	15	20	21	20	16	31	15	20	21	16
1444	25 GREYGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	24	32	32	31	30	28	31	39	39	38	36	35	21	56	20	25	26	25	21	35	20	25	26	22
1445	2 HIGHLANDS WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	35	43	43	42	40	39	30	38	38	37	36	34	19	54	18	23	24	23	21	34	19	25	25	21
1446	24 PLEASANCE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	18	26	26	25	23	21	21	29	29	28	26	25	8	44	6	12	12	8	24	6	12	12	8	
1447	5 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	15	22	23	22	20	18	37	69	36	41	41	41	37	49	36	41	41	37
1448	20 HIGHGATE CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	32	40	40	39	37	36	49	77	47	52	53	52	49	56	47	52	53	49
1449	7 PLEASANCE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	33	41	41	40	38	36	32	40	40	39	37	36	15	49	13	19	19	19	15	29	13	19	19	15
1450	4 WERAKATA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	32	40	40	39	37	36	30	61	28	34	34	34	29	40	28	33	33	29
1452	11 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	33	32	40	40	39	37	36	30	59	28	34	34	34	30	39	29	34	34	30
1453	11 CELIA RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	24	22	21	29	29	28	26	25	10	45	9	14	14	11	25	10	15	15	11	
1455	49 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	11	18	19	18	16	14	16	48	15	20	20	20	16	28	15	20	20	16
1456	18 WEEROONA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	40	48	48	47	46	44	44	52	52	51	50	48	25	58	24	29	29	29	26	37	25	30	30	26
1457	5 SCRIBBLYGUM CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	22	30	30	29	27	26	24	32	32	31	29	28	19	51	17	23	23	22	19	30	17	23	23	19
1458	34 MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	29	37	37	36	34	33	30	62	29	34	35	34	31	42	29	35	35	31
1459	30 GREENSBOROUGH AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	13	21	21	20	18	17	18	26	26	25	23	22	27	61	26	31	31	27	40	26	31	31	27	
1460	22 GREYGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	22	30	30	29	27	25	21	29	29	28	26	25	19	52	17	23	23	23	19	32	17	23	23	19
1461	11 SPRING MILL AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	10	18	18	17	16	14	15	23	23	22	20	19	30	61	28	34	34	33	30	41	28	34	34	30
1462	32 LONGMEADOW PWY, BOX HILL NSW 2765	Residential	2	44	39	39	35	33	41	41	40	38	37	33	41	41	40	38	36	14	50	13	18	18	18	13	30	12	17	18	14
1463	42 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	16	24	24	23	21	20	18	26	26	25	23	22	21	54	20	25	26	25	21	33	20	25	26	21
1464	18 FINGLETON CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	28	36	36	35	33	32	17	48	15	20	21	20	17	28	15	20	21	17
1465	6 DARLEY CT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	14	22	22	21	19	18	17	50	16	21	22	21	18	30	17	22	22	18
1467	16-24 RAVENSBOROUGH AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	27	35	35	34	32	31	31	61	29	34	35	34	32	40	31	36	36	32
1468	9 BARNES PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	35	31	39	39	38	36	35	19	51	18	23	24	23	19	30	18	23	23	19
1469	12 BILLABONG PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	29	37	37	36	34	33	34	67	33	38	38	38	34	47	33	38	38	34
1470	16 BLADENSBURG RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	22	30	30	29	27	26	20	53	19	24	24	21	33	19	25	25	21	
1471	19 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	17	15	23	23	22	20	19	23	55	21	27	27	26	24	34	23	28	28	24
1472	1 DALTON CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	45	53	53	52	50	48	22	54	21	26	26	24	33	22	28	28	24	
1473	18-20 MILE END RD, ROUSE HILL NSW 2155	Industrial/Utilities	2	70	70	70	70	35	43	43	42	40	39	49	57	57	56	54	53	19	53	17	23	23	22	19	32	18	23	23	19
1474	20 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	29	37	37	36	34	33	33	41	41	40	38	36	23	58	22	27	28	27	23	37	22	27	28	24
1475	4 KINDILEN CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	22	20	19	27	27	26	24	23	59	87	58	63	64	63	55	66	53	59	59	55
1476	6 WEEROONA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	35	43	43	42	40	39	41	49	49	48	46	45	33	65	32	37	38	37	33	45	32	37	38	33
1477	15 HIGHLANDS WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	21	19	27	27	26	24	22	14	46	13	18	19	18	16	25	14	20	20	16
1478	20 GREEN HILLS DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	19	27	27	26	24	23	24	32	32	31	29	28	20	55	19	24	24	24	20	34	19	24	24	20
1479	20 YELLOWGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	28	36	36	35	33	31	26	34	34	33	31	30	21	55	19	25	25	24	20	34	19	24	25	21
1480	18 EMPRESS AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	12	20	20	19	18	16	14	22	22	21	19	18	22	55	21	26	26	26	22	35	21	26	26	22
1481	137 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	29	37	37	36	34	33	18	51	16	21	22	21	18	30	16	22	22	18
1482																															

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level			Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																								
				Standard hours	Outside standard hours			WRRF						Lot 96						SP1022						SP1022 with mitigation					
					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10
1500	10 COACHWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	25	24	23	31	31	30	28	27	31	64	30	35	36	35	31	43	30	35	36	31
1501	21 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	28	36	36	35	33	32	28	61	26	31	32	31	28	40	27	32	32	28
1502	11 WARRUMBUNGLE CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	23	26	34	34	33	31	30	21	56	20	25	25	25	22	35	20	26	26	22
1503	3 WILLANDRA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	15	18	26	26	25	23	21	25	57	23	29	29	28	26	37	25	30	30	26
1504	13 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	26	34	34	33	32	30	31	62	30	35	35	35	33	41	31	37	37	33
1505	40 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	14	13	21	21	20	18	17	16	52	15	20	21	20	17	31	16	21	17	17
1506	20 WELFORD CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	30	38	38	37	35	34	31	62	30	35	36	35	31	42	30	35	36	32
1507	20 EXPEDITION ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	31	38	38	38	36	34	35	66	34	39	40	39	36	45	34	40	40	36
1508	8 COACHWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	24	32	32	31	29	28	27	35	35	34	32	30	29	61	28	33	33	33	29	41	28	33	33	29
1509	38 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	49	57	57	56	54	52	48	56	56	55	53	52	23	58	22	27	27	27	21	37	20	25	26	21
1510	16 RAMORNIE DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	32	30	38	38	37	35	34	31	62	29	34	35	34	32	41	31	36	36	32
1511	93 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	24	32	32	31	29	28	29	62	27	33	33	32	28	41	27	32	33	29
1512	18 COCOPARRA CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	25	23	20	28	28	27	25	24	31	62	30	35	35	35	32	41	31	36	36	32
1513	14 COCOPARRA CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	22	30	30	29	27	25	31	61	29	35	35	35	32	41	30	36	36	32
1514	20 KUMBATINE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	26	24	27	35	35	34	33	31	33	64	32	37	37	37	34	43	33	38	38	34
1515	24 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	25	33	33	32	30	29	19	52	17	23	23	23	19	32	18	23	23	19
1516	82 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	27	34	42	42	41	39	38	25	56	23	28	29	28	26	35	24	30	30	26
1517	11 MACKAY WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	25	24	25	33	33	32	31	29	17	52	16	21	22	21	17	31	16	21	22	18
1518	12 MINSTREL PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	38	46	46	45	43	42	42	49	50	49	47	45	31	63	30	35	35	35	31	43	30	35	35	31
1519	27 SCRIBBLYGUM CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	22	30	30	29	27	25	21	29	29	28	26	25	19	53	18	23	23	23	19	33	18	23	23	19
1520	19 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	18	26	26	25	23	22	31	64	30	35	35	35	31	43	30	35	35	31
1521	67 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	26	34	34	33	31	30	31	63	29	34	35	34	31	43	30	35	35	31
1522	GROUND 21/320 ANNANGROVE RD, ROUSE HILL NSW 2155	Commercial/Business	2	70	70	70	70	25	33	33	32	30	28	26	34	34	33	31	30	12	46	11	16	16	16	12	26	11	16	16	12
1523	10 KINDILEN CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	29	37	37	36	34	33	51	80	49	55	55	55	49	60	48	53	54	49
1524	9 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	34	42	42	41	39	37	35	43	43	42	40	39	31	64	30	35	35	35	31	44	30	35	35	31
1525	23 SCRIBBLYGUM CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	25	24	21	29	29	28	26	24	20	53	19	24	24	24	20	32	19	24	24	20
1526	4 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	25	33	33	32	30	29	16	50	14	20	20	19	16	29	15	20	21	17
1527	7 GARNET PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	25	22	30	30	29	27	26	22	58	21	26	26	26	22	37	21	26	26	22
1528	38 ROSS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	31	38	38	38	36	34	25	58	24	29	30	29	25	38	24	29	30	26
1529	29 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	30	27	35	35	34	33	31	14	46	12	18	18	17	14	26	13	18	18	14
1530	33 MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	24	30	38	38	37	35	33	29	63	27	33	33	32	29	42	28	33	33	29
1531	15 SANDLEWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	29	37	37	36	34	33	35	43	43	42	41	39	24	57	23	28	29	28	24	37	23	28	29	25
1532	12 DENNISON CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	22	30	30	29	27	26	57	85	56	61	62	61	57	64	56	61	62	57
1533	50 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	38	36	34	42	42	41	39	38	25	59	24	29	29	29	25	38	24	29	29	25
1534	6 NOBLE WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	24	32	32	31	29	27	24	32	32	31	30	28	15	49	14	19	19	19	15	28	14	19	19	15
1535	8 WERAKATA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	32	40	40	39	37	36	29	61	27	33	33	33	29	41	27	33	33	29
1536	20 SCRIBBLYGUM CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	17	25	25	24	22	21	22	30	30	29	27	26	20	53	19	24	24	24	20	32	19	24	24	20
1537	12 WATERGUM CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	21	29	29	28	26	24	23	31	31	30	28	27	27	61	26	31	31	31	27	41	26	31	31	27
1538	6 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	40	48	48	47	45	44	27	59	26	31	32	31	27	39	26	31	32	28
1539	8 WILLANDRA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	15	19	27	27	26	24	23	27	59	25	30	31	30	28	38	26	32	32	28
1540	17 MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	26	34	34	33	31	30	26	61	24	30	30	30	27	40	25	31	31	27
1541	1 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	29	37	37	36	34	32	16	52	15	20	20	16	31	14	20	20	16	
1542	21 MAYFAIR AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	18	26	26	25	23	22	28	62	27	32	32	32	28	42	27	32	32	28
1543	15 SCRIBBLYGUM CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	28	36	36	35	33	32	30	38	38	37	35	34	22	55	20	25	26	25	22	35	20	25	26	22
1544	26 GREENSBOROUGH AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	13	21	21	20	18	17	16	23	24	23	21	19	28	61	26	32	32	32	28	40	26	32	32	28
1545	13 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	18	26	26	25	23	21	24	32	32	31	29	28	20	55	18	24	24	23	20	34	18	24	24	20
1546	13 COACHWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	14	22	22	21	20	18	35	43	43	42	40	39	27	61	25	31	31	31	27	40	25	31	31	27
1547	6 HERMITAGE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	15	23	23	22	20	19	23	59	22	27	28	27	23	38	22	27	28	24
1548	6 OUTBACK ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	38	46	46	45	43	42	39	47	47	46														

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level			Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																								
				Standard hours	Outside standard hours			WRRF						Lot 96						SP1022						SP1022 with mitigation					
					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10
1568	118 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	22	30	30	29	27	26	32	65	31	36	36	36	32	44	31	36	36	32
1569	82 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	36	44	44	43	41	39	34	42	42	41	40	38	14	46	13	18	18	14	26	13	18	18	14	
1570	13 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	29	37	37	36	34	32	27	60	26	31	32	31	27	40	26	31	32	28
1571	25 MONARCH CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	15	23	23	22	20	19	51	80	49	55	55	55	51	59	49	55	55	51
1573	6 WARRABAH RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	23	26	34	34	33	32	30	31	63	29	35	35	35	32	42	30	36	36	32
1575	8 SPOTTEDGUM PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	43	51	50	48	47	44	42	42	41	39	38	15	48	14	19	19	15	27	14	19	19	15	15	
1577	1 KINDILEN CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	28	36	36	35	33	32	44	71	42	48	48	47	42	50	41	46	47	43
1578	31 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	24	32	32	31	29	28	28	61	26	31	32	31	28	40	27	32	32	28
1579	7 HYATT CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	29	33	41	41	40	38	37	21	53	19	25	25	24	22	32	21	26	26	22
1580	1 NEST HILL APP, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	27	35	35	34	32	31	30	61	29	34	35	34	32	41	30	35	36	32
1581	26 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	24	31	32	31	29	27	25	58	23	29	29	28	26	37	25	30	30	26
1582	22 HARVARD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	29	37	37	36	34	33	26	59	25	30	31	30	27	39	25	31	31	27
1583	3 GRIMMETT AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	26	24	25	33	33	32	30	29	18	52	17	22	23	22	18	31	17	22	23	19
1584	1 WICKLOW PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	34	42	42	41	39	38	25	56	24	29	29	29	25	35	24	29	29	25
1585	13 GREYGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	24	32	32	31	29	28	32	40	40	39	37	36	23	57	21	26	27	26	23	36	21	26	27	23
1586	6 RIVERGUM WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	35	43	43	42	40	39	24	58	22	28	28	28	24	37	22	28	28	24
1587	84 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	36	44	44	43	41	39	34	42	42	41	39	38	17	48	15	21	21	21	17	27	15	21	21	17
1590	ROUSE HILL PUBLIC SCHOOL 45-59 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	30	38	38	37	35	33	38	46	46	45	43	41	27	61	26	31	32	31	27	40	26	31	32	27
1591	9 EMPRESS AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	18	26	26	25	24	22	19	51	18	23	24	23	19	30	18	23	23	19
1594	6 JERVIS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	9	17	17	16	14	13	12	20	20	19	17	15	11	43	10	15	15	15	12	23	10	16	16	12
1595	30 RAMORNIE DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	30	37	38	37	35	33	32	63	30	36	36	36	33	42	31	37	37	33
1596	27 WARRAWEE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	15	13	9	17	17	16	14	13	10	45	8	14	14	11	24	9	14	15	11	
1597	78 OUTBACK ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	34	42	42	41	39	37	38	46	46	45	43	42	18	50	17	22	22	18	29	17	22	22	18	
1599	ROUSE HILL PUBLIC SCHOOL 45-59 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	16	24	24	23	21	20	20	28	28	27	25	24	26	60	24	30	29	26	39	24	30	30	26	29
1600	10 BLUE LAKES PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	18	26	26	25	23	22	9	45	8	13	14	13	9	24	8	13	14	9
1601	19-25 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	42	50	50	49	47	45	46	53	54	53	51	49	28	56	26	32	32	32	28	36	26	31	32	28
1602	27 MONARCH CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	18	26	26	25	23	22	51	79	50	55	55	55	51	59	50	55	55	51
1603	40 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	6	14	14	13	11	10	8	15	16	15	13	11	30	60	28	34	34	33	31	39	30	35	36	31
1604	71 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	31	38	38	38	36	34	29	62	28	33	33	33	29	42	28	33	33	29
1605	19 MILFORD DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	28	36	36	35	33	32	45	78	43	49	49	48	44	57	43	48	49	45
1606	5 RADISSON PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	32	40	40	39	37	36	47	75	45	51	51	51	47	54	45	51	51	47
1607	10 SARABAH ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	24	26	34	34	33	31	30	31	62	30	35	36	35	32	42	31	36	37	32
1608	14 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	20	28	28	27	25	24	31	62	30	35	36	35	32	41	31	36	37	32
1609	24 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	25	32	33	32	30	28	34	65	33	38	38	38	34	45	33	38	38	34
1611	25 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	25	33	33	32	30	29	27	63	26	31	32	31	28	42	26	32	32	28
1612	18 AUGUSTA CT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	19	27	27	26	24	23	23	31	31	30	28	27	24	59	23	28	29	28	24	38	23	28	28	24
1613	21 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	36	44	44	43	42	40	39	47	47	46	44	43	16	50	14	20	20	19	16	30	14	20	20	16
1614	77 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	38	37	40	47	47	47	45	43	33	66	32	37	37	37	33	45	31	37	37	33
1615	6 BLADENSBURG RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	23	31	31	30	28	27	23	57	21	27	27	27	24	36	22	27	28	24
1616	23 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	37	45	45	44	42	41	34	67	32	38	38	38	35	46	33	39	39	35
1617	115 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	35	33	31	39	39	38	36	35	38	69	37	42	43	42	40	48	39	44	45	41
1618	23 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	26	34	34	33	31	30	28	61	27	32	32	32	29	41	27	33	33	29
1620	3 GREENSBOROUGH AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	21	29	29	28	26	25	29	37	37	36	34	32	20	55	19	24	25	24	20	35	19	24	25	20
1621	5 SANDLEWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	28	27	27	35	35	34	32	31	33	66	32	37	37	33	46	32	37	38	34	
1622	24 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	35	43	43	42	40	39	39	47	47	46	44	43	39	68	37	42	43	42	38	48	36	42	42	38
1623	43 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	29	37	37	36	34	33	33	65	32	37	38	37	33	45	32	37	38	33
1624	139 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	33	31	30	38	38	37	35	34	38	68	36	41	42	41	39	47	38	43	43	39
1625	23 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	31	30	32	40	40	39	37	36	29	63	28	33	34	33	29	42	38	33	34	30
1628	60A STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	27	35	35	34	32	31	32	62	30									

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level																				Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)											
				Standard hours	Outside standard hours			WRRF						Lot 96						SP1022						SP1022 with mitigation									
					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS08	CS09	CS10	CS01	CS03	CS07	CS09	CS10						
1645	15 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	34	33	41	41	40	38	36	31	64	29	35	35	35	31	44	29	35	35	31				
1646	16 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	21	19	24	32	32	31	29	27	33	63	31	36	37	36	33	43	32	37	37	33				
1647	47 KUMBATINE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	30	38	38	37	35	34	64	32	38	38	37	34	43	32	38	38	34					
1648	7 SANDLEWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	25	24	29	37	37	36	34	33	28	62	27	32	32	32	28	41	27	32	32	28				
1649	12 FINGLETON CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	25	33	33	32	30	28	26	34	34	33	31	30	19	52	17	23	23	23	19	32	17	23	23	19				
1650	30 WELGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	20	18	26	26	25	23	22	29	62	27	33	33	33	29	42	27	33	33	29				
1651	38 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	34	42	42	41	39	38	26	57	24	30	30	29	26	37	24	29	30	26				
1652	5 KINDILEN CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	28	36	36	35	33	32	68	35	40	41	40	36	48	35	40	41	36					
1653	9 WARRUMBUNGE CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	24	32	32	31	29	28	15	49	13	18	19	18	15	29	14	19	20	16				
1654	4 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	20	19	27	27	26	25	23	27	61	26	31	32	31	27	41	26	31	32	28				
1655	14 HARVARD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	21	29	29	28	26	25	25	60	24	29	29	29	25	39	24	29	29	25				
1656	2 MONARCH CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	29	37	37	36	34	33	23	54	21	26	27	26	23	33	22	27	27	23				
1657	12 DALTON CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	37	45	45	44	42	41	40	48	48	47	45	43	28	62	27	32	33	32	29	41	27	33	33	29				
1658	9 HOPKINS CT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	30	38	38	37	35	34	25	57	24	29	29	29	25	36	24	29	30	26				
1659	4 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	25	33	33	32	30	29	28	36	36	35	33	31	22	57	21	26	27	26	22	36	21	26	27	22				
1661	31 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	25	24	29	37	37	36	34	33	24	59	23	28	28	28	24	38	23	28	28	24				
1662	20 GARNET PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	28	36	36	35	33	32	34	66	33	38	39	38	34	45	33	38	38	34				
1663	12 WEEROONA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	29	30	38	38	37	35	34	27	59	26	31	31	31	28	38	26	32	32	28				
1664	5 AUGUSTA CT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	16	24	24	23	22	20	22	30	30	29	27	26	24	59	23	28	29	28	24	38	23	28	28	24				
1665	71 KUMBATINE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	30	38	38	37	35	34	36	66	34	40	40	40	36	46	34	40	40	36				
1666	33 COCOPARRA CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	27	35	35	34	32	31	34	64	33	38	38	38	34	43	33	38	39	35				
1667	11 GREYBOX ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	28	36	36	35	34	32	29	37	37	36	34	32	11	48	10	15	15	15	11	27	9	15	15	11				
1668	13 PLEASANCE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	31	39	39	38	36	35	31	39	39	38	37	35	13	49	12	17	17	17	13	28	11	17	17	13				
1669	26 KINDILEN CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	29	27	35	35	34	32	31	41	74	40	45	46	45	42	53	41	46	46	42				
1670	37 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	44	52	52	51	49	48	48	56	56	55	53	52	24	57	23	28	29	28	24	37	23	28	29	24				
1671	79 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	30	30	38	38	37	35	34	27	61	26	31	31	31	28	40	26	31	32	28				
1672	115 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	34	42	42	41	39	38	38	45	46	45	43	41	21	54	19	25	25	21	34	20	25	26	22					
1673	4 GARNET PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	30	28	36	36	35	33	32	35	66	34	39	39	39	35	45	33	39	39	35				
1674	8 WEEROONA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	29	37	37	36	34	33	28	59	27	32	32	32	29	39	27	33	33	29				
1675	24 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	22	30	30	29	28	26	29	62	28	33	33	33	29	42	28	33	33	29				
1676	19 BROOKHAVEN ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	20	28	28	27	25	24	21	29	29	28	26	25	9	45	7	13	13	13	9	25	7	13	13	9				
1677	28 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	36	44	44	43	41	40	34	67	32	37	38	37	34	46	32	37	38	34				
1678	14 WEEROONA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	37	45	45	44	42	41	44	52	52	51	49	48	30	63	29	34	34	34	30	42	29	34	34	30				
1679	9 SPRING MILL AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	13	21	21	20	18	16	17	25	25	24	22	21	29	61	27	33	33	33	29	40	27	33	33	29				
1680	4 LINDWALL PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	32	40	40	39	37	35	18	52	16	22	22	22	18	32	16	22	22	18				
1681	11 WATERGUM CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	13	21	21	20	18	17	16	24	24	23	21	20	29	62	27	33	33	32	29	41	27	33	33	29				
1682	23 PARAMOUNT CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	31	39	39	38	36	35	40	70	39	44	45	44	40	50	39	44	44	40				
1683	16-24 RAVENSBOURNE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	17	25	33	33	32	30	28	31	62	29	35	35	35	32	41	31	36	36	32				
1684	2 BERKELEY GR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	22	20	17	25	25	24	22	21	16	50	15	20	20	20	17	30	15	20	21	17				
1685	6 REGIS GR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	28	36	36	35	33	32	18	51	17	22	23	22	20	31	19	24	24	20				
1686	12 EXPEDITION ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	14	22	22	21	19	18	21	55	20	25	25	25	22	34	20	25	26	22				
1687	ROUSE HILL PUBLIC SCHOOL 45-59 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	19	27	27	26	24	23	28	36	35	33	32	21	54	19	25	25	25	21	34	19	25	25	21					
1688	36 HIGHLANDS WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	20	28	28	27	25	24	16	51	15	20	20	20	17	30	16	21	21	17				
1689	11 HARVARD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	19	27	27	26	25	23	27	59	25	31	31	31	27	39	26	31	32	27				
1690	11 WILLANDRA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	4	12	12	11	9	8	6	14	14	13	12	10	28	60	27	32	33	32	29	39	28	33	34	30				
1691	15 KNOX PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	21	24	32	32	31	29	27	74	102	72	77	78	77	65	81	64	69	69	65				
1692	21 HARVARD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	22	30	30	29	28	26	24	32	32	31	29	28	22	54	21	26	26	26	23	33	22	27	27	23				
1693	54 GREENSBOROUGH AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	35	43	43	42	40	39	23	58	22	27	27	27	23	37	22	27	27	23				
1694	21 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	27	35	35	34	33	31	31	39	39	38	37	35	22	56	20	26												

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level																				Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)													
				Standard hours	Outside standard hours			WRRF					Lot 96					SP1022				SP1022 with mitigation															
					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS01	CS03	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10								
1714	33 WARRABAH RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	24	32	32	31	29	28	30	61	28	33	34	33	31	41	29	34	35	31						
1715	5 MACKAY WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	31	30	27	35	35	34	33	31	18	53	17	22	22	22	18	32	17	22	22	18						
1716	15 FINGLETON CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	22	30	30	29	27	26	23	31	31	30	28	26	23	57	21	27	27	27	22	36	20	26	26	22						
1717	27 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	8	16	16	15	14	12	10	18	18	17	15	14	37	65	35	40	41	40	39	44	37	43	43	39						
1718	17 COACHWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	13	21	21	20	18	17	31	39	39	38	36	35	27	61	25	31	31	30	27	40	25	30	31	27						
1719	13 YELLOWGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	22	30	30	29	27	25	24	32	32	31	29	28	24	57	23	28	28	28	24	37	22	28	28	24						
1721	28 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	42	50	50	49	47	46	42	50	50	49	48	46	15	48	14	19	19	19	15	27	14	19	19	15						
1722	35 HARVARD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	31	27	35	35	34	32	31	20	52	19	24	24	24	21	31	20	25	25	21						
1724	58 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	23	31	31	30	28	27	37	67	36	41	41	41	39	46	37	42	43	39						
1725	15 WILLANDRA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	24	32	32	31	29	28	29	61	28	33	34	33	30	40	29	34	35	31						
1726	48 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	25	33	33	32	31	29	27	35	35	34	32	31	32	65	30	35	36	35	33	44	31	36	37	33						
1727	28 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	28	32	40	39	37	36	41	73	39	45	45	45	41	52	39	45	45	41							
1728	7 WELFORD CT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	30	38	38	37	36	34	15	49	14	19	19	16	29	14	19	20	16							
1729	11 GREYGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	19	27	27	26	24	23	24	32	32	31	29	28	24	58	23	28	29	28	24	38	23	28	29	25						
1730	75 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	22	30	30	29	27	26	29	60	27	33	33	32	29	39	27	33	33	29						
1731	16 MCGILVRAY PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	24	32	32	31	29	28	25	33	33	32	30	29	19	49	18	23	24	23	18	28	17	22	23	19						
1732	16 BROOKHAVEN ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	24	32	32	31	29	27	25	33	33	32	31	29	15	51	14	19	20	19	11	31	10	15	15	11						
1733	44 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	31	39	39	38	36	35	50	79	49	54	54	54	44	59	42	47	48	44						
1734	46 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	14	22	22	21	20	18	18	26	26	25	24	22	26	60	25	30	31	30	26	39	25	30	31	26						
1735	29 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	23	25	32	33	32	30	28	26	57	24	30	30	29	27	36	26	31	31	27						
1736	6 CELIA RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	21	28	29	28	26	24	16	50	15	20	21	20	16	30	15	20	21	16						
1737	42 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	20	28	28	27	25	24	25	59	23	29	29	29	25	38	24	29	29	25						
1741	12 SARABAH CT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	26	34	34	33	31	30	60	28	34	34	34	31	40	30	35	35	31							
1742	14 WATERGUM CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	14	22	22	21	19	18	15	23	23	22	20	19	23	54	21	26	27	26	23	34	21	27	27	23						
1743	11 HYATT CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	26	34	34	33	31	30	23	56	22	27	28	27	24	36	23	28	28	24						
1744	1 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	24	32	32	31	29	28	32	65	30	35	36	35	32	44	31	36	36	32						
1746	33 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	33	40	48	48	47	45	44	29	61	28	33	33	33	30	40	28	33	34	30						
1747	6 DUXTON CT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	34	34	41	42	41	39	37	30	63	29	34	34	34	30	42	29	34	35	30						
1748	58 GREENSBOROUGH AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	38	36	35	43	43	42	40	39	30	63	28	33	34	33	30	42	28	33	34	30						
1749	17 MORRISEY WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	14	22	22	21	20	18	16	24	24	23	21	19	20	54	19	24	24	24	20	33	19	24	24	20						
1750	2 OAKMONT WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	13	21	21	20	19	17	15	23	23	22	20	19	29	61	27	32	33	32	29	40	27	32	33	29						
1751	12 GREENSBOROUGH AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	16	24	24	23	21	20	18	26	26	25	23	22	20	55	19	24	24	24	20	34	19	24	24	20						
1752	4 CLEVELAND CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	30	38	38	37	35	34	36	68	34	40	40	40	36	47	35	40	40	36						
1753	26 TALLAGANDA ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	30	37	38	37	35	33	33	63	31	36	37	36	33	42	31	37	37	33						
1754	7 GREYGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	30	38	38	37	35	34	33	41	41	40	38	37	22	56	21	26	27	26	22	35	21	26	27	23						
1755	161 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	37	45	45	44	42	41	27	35	35	34	32	31	17	52	15	21	21	20	17	31	16	21	22	17						
1756	15 YELLOWGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	32	30	31	39	39	38	37	35	21	53	19	25	25	21	32	19	24	25	21							
1757	14 DALTON CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	44	52	52	51	49	48	50	58	58	57	55	53	23	55	22	27	27	24	34	23	28	28	24							
1758	8 NEST HILL APP, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	18	26	26	25	23	22	15	49	13	19	19	18	15	28	14	19	19	15						
1759	25 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	15	13	12	20	20	19	17	16	34	64	33	38	38	38	35	44	34	39	39	35						
1760	3 TALLAGANDA ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	15	12	20	20	19	17	16	29	60	28	33	34	33	29	40	28	33	33	29						
1761	17 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	24	32	32	31	29	28	25	32	33	32	30	28	20	55	19	24	25	24	20	34	19	24	25	21						
1762	11 CHAELUNDI CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	30	38	38	37	35	34	41	70	39	45	45	45	41	50	39	45	45	41						
1765	4 DARLEY CT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	13	21	21	20	19	17	19	26	27	26	24	22	18	52	17	22	22	22	18	32	17	22	23	18						
1766	125 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	24	32	32	31	29	28	31	64	30	35	35	35	31	44	30	35	35	31						
1767	13 EMPRESS AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	20	19	27	27	26	24	22	18	51	16	22	22	22	19	31	17	23	23	19						
1768	27 NELSON RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	31	39	39	38	36	35	30	38	38	37	35	34	14	52	12	18	18	18	14	31	12	18	18	14						
1769	35 LIMESTONE RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	33	41	41	40	38	36	32	40	40	39	37	36	20	54	18	24	24	24	16	34	14	19	20	16						
1770	19 TIMBERCREST ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	35	43	43	42	41	39	34	42	42	41	40	38	26	57	25	30	30	30	25											

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level			Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																								
				Standard hours	Outside standard hours			WRRF					Lot 96					SP1022					SP1022 with mitigation								
					Day	Evening	Night	CS01	CS02	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS03	CS07	CS08
1791	27 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	33	41	41	40	38	37	52	82	50	56	56	56	50	62	49	54	54	50
1792	14 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	31	39	39	38	36	35	25	57	24	29	30	29	27	37	26	31	31	27
1793	11 COCOPARRA CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	8	16	16	15	13	12	8	16	16	15	13	12	31	61	29	35	35	34	31	41	30	35	35	31
1794	121 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	20	28	28	27	25	24	16	51	15	20	21	20	16	30	15	20	21	17
1795	31 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	30	38	38	37	35	34	36	68	35	40	41	40	36	48	35	40	40	36
1796	8 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	29	28	36	36	35	33	32	30	59	28	34	34	33	29	38	28	33	33	29
1797	14 GARNET PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	25	32	32	30	28	34	67	33	38	38	38	34	46	33	38	38	34	
1798	34 SCRIBBLYGUM CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	29	37	37	36	34	32	24	57	23	28	28	28	24	37	23	28	28	24
1799	6 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	7	15	15	14	13	11	9	17	17	16	14	13	16	51	14	20	20	20	16	30	15	20	21	16
1800	10 HIGHGATE CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	27	25	23	31	31	30	28	27	45	74	44	49	49	45	54	44	49	50	46	
1801	90 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	29	37	37	36	34	33	33	63	31	37	37	37	37	33	43	42	37	33
1802	28 TALLAGANDA ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	29	37	37	36	34	33	33	63	31	37	37	36	33	43	31	37	37	33
1803	18 HIGHLANDS WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	17	24	25	24	22	20	18	51	16	22	22	22	18	31	17	22	23	18
1804	7 ROSS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	21	25	33	33	32	30	29	14	49	12	18	18	18	14	29	12	18	18	14
1805	6 CONNOR PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	23	31	31	30	28	26	33	63	31	37	37	36	33	42	31	36	37	33
1806	9 KURNELL PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	30	37	38	37	35	33	12	46	11	16	16	16	13	25	12	17	17	13
1807	11 ROSS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	28	28	27	25	24	18	53	17	22	22	22	18	32	17	22	22	18	2
1808	6 WICKLOW PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	35	43	43	42	40	39	38	46	46	45	43	42	33	66	31	36	37	36	32	45	31	36	36	32
1809	73 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	33	41	41	40	38	37	34	42	42	41	39	38	21	54	20	25	26	25	22	33	21	26	27	23
1810	17 SCRIBBLYGUM CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	31	30	30	38	38	37	36	34	21	55	20	25	25	25	21	34	20	25	25	21
1812	12 WILLANDRA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	8	16	16	15	13	12	11	18	19	18	16	14	27	58	26	31	31	31	28	37	27	32	33	28
1813	5 EXPEDITION ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	21	29	29	28	26	25	34	64	33	38	38	38	35	44	33	39	39	35
1814	31 MONARCH CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	17	25	25	24	22	20	28	61	26	31	32	31	28	40	26	31	32	28
1815	95 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	26	34	34	33	31	30	33	65	32	37	37	37	33	45	32	37	37	33
1816	177 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	17	25	25	24	22	20	12	45	10	16	16	15	13	25	11	17	17	13
1817	56 GREENSBOROUGH AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	35	35	43	43	42	40	39	31	64	29	35	35	35	31	43	29	35	35	31
1818	4 WICKLOW PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	38	46	46	45	43	42	42	50	50	49	47	46	30	60	28	34	34	34	29	39	27	33	33	29
1819	6 FARMINGTON ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	32	40	40	39	37	36	32	40	40	39	37	36	17	53	16	21	21	13	32	12	17	17	13	
1820	32 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	40	48	48	47	45	44	30	62	28	34	34	30	41	28	34	34	30	
1821	8 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	34	42	42	41	39	38	32	39	40	39	37	35	18	52	17	22	23	22	18	31	17	22	22	18
1822	9 GREYGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	22	30	30	29	27	26	30	38	38	37	36	34	23	57	21	27	27	27	23	36	21	27	27	23
1823	1 TALLAGANDA ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	24	32	32	31	29	28	32	62	30	35	36	35	32	42	30	35	36	32
1824	9 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	36	44	44	43	41	40	48	48	47	46	44	35	68	34	39	39	39	35	47	34	39	39	35	
1826	7 TABLELANDS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	33	41	41	40	38	37	33	41	41	40	39	37	19	53	17	22	23	22	17	33	16	21	21	17
1827	1 REGIS GR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	28	36	36	35	33	31	20	51	19	24	24	24	21	31	19	25	25	21
1828	34 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	16	24	24	23	21	20	24	58	23	28	29	28	25	38	24	29	30	25
1829	36 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	22	30	30	29	27	26	29	60	28	33	33	33	29	40	28	33	33	29
1831	5 BARNES PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	29	37	37	36	34	33	33	41	41	40	38	37	20	55	19	24	24	20	35	19	24	24	20	
1832	31 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	23	21	23	31	31	30	28	27	27	60	26	31	32	31	28	40	27	32	32	28
1833	43 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	48	56	56	55	54	52	48	56	56	55	53	52	22	56	21	26	26	26	21	35	20	25	26	22
1834	7 SARABAH ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	20	28	28	27	25	24	25	59	23	29	29	29	25	38	24	29	30	25
1835	129 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	27	35	35	34	32	30	18	53	17	22	22	19	32	18	23	23	19	
1836	14 HERMITAGE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	23	31	31	30	29	27	24	32	32	31	29	28	32	66	30	36	36	36	32	46	30	36	36	32
1837	13 CLOVER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	25	24	20	28	28	27	25	24	23	57	21	27	27	26	23	37	22	27	27	23
1838	16 PARAMOUNT CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	34	31	39	39	38	37	35	40	70	38	44	44	44	40	50	39	44	44	40
1839	31 MINDARIBBA AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	23	25	33	33	32	30	29	36	69	34	40	40	40	36	48	34	40	40	36
1840	36 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	29	35	43	43	42	40	38	30	59	28	34	34	34	29	39	28	33	33	29
1841	69 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	31	39	39	38	36	35	27	57	26	31	31	31	28	37	27	32	32	28
1842	9 TAYLEE PL, ROUSE HILL NSW 2155	Industrial/Utilities	2	70	70	70	70	15	23	23	22	20	19	20	28	28	27	25	24	78	106	76	81	82	81						

Receiver ID	Address	Land use	Noise Catchment Area	Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																														
				Noise Management Level				WRRF										Lot 96						SP1022						SP1022 with mitigation				
				Standard hours	Outside standard hours			CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10			
1859	1 GREENSBOROUGH AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	21	29	29	28	26	25	27	35	35	34	32	31	23	57	21	27	27	27	23	27	23	27	27	23			
1860	4 MCGILVRAY PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	19	27	27	26	24	23	18	26	26	25	23	22	18	51	17	22	22	22	18	31	16	22	22	18			
1861	11 BARDSLEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	28	27	24	32	32	31	29	28	17	51	15	21	21	20	17	31	15	21	21	17			
1862	5 HYATT CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	28	29	37	37	36	34	33	21	53	20	25	25	25	22	33	21	26	26	22			
1863	127 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	27	35	35	34	32	31	21	56	20	25	26	25	22	35	21	26	26	22			
1864	17 KNOX PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	20	28	28	27	25	24	73	100	71	77	77	62	80	60	66	66	62				
1865	11 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	27	35	35	34	32	31	34	65	33	38	39	38	36	45	34	40	40	36			
1866	42 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	34	32	40	40	39	37	36	49	78	48	53	53	53	44	58	42	48	48	44			
1867	44 HIGHLANDS WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	19	27	27	26	24	23	17	51	15	21	21	21	17	31	16	21	21	17			
1868	60 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	22	30	30	29	27	26	29	37	37	36	34	33	24	57	23	28	28	28	24	36	23	28	28	24			
1869	9 CLEVELAND CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	20	28	28	27	25	24	54	83	53	58	59	58	54	62	53	58	59	54			
1870	3 HOMEVALE PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	15	14	22	22	21	20	18	11	46	10	15	15	15	12	25	10	16	16	12			
1871	16 FINGLETON CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	24	32	32	31	29	28	21	29	29	28	26	25	18	50	17	22	22	22	18	30	17	22	22	18			
1872	7 MCGILVRAY PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	38	46	46	45	43	42	36	44	44	43	41	40	19	52	18	23	23	23	19	31	17	22	23	19			
1873	2 TURNBERRY WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	10	18	18	17	15	14	14	21	22	21	19	17	28	61	27	32	32	32	28	40	27	32	32	28			
1874	27 COCOPARRA CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	8	16	16	15	13	12	9	17	17	16	14	13	32	63	31	36	36	36	33	42	32	37	37	33			
1875	16 NEST HILL APP, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	15	14	11	19	19	18	17	15	26	59	25	30	31	30	27	39	26	31	31	27			
1876	90 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	25	33	33	32	30	29	24	32	32	31	29	28	17	51	16	21	21	21	17	30	16	21	21	17			
1877	9 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	29	28	36	36	35	34	32	27	61	26	31	31	31	27	40	26	31	31	27			
1878	72 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	28	36	36	35	33	32	30	38	38	37	35	34	34	65	33	38	38	38	33	45	32	37	37	33			
1879	39 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	31	29	37	37	36	34	33	35	67	34	39	39	39	36	47	35	40	40	36			
1880	71 WELLGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	20	28	28	27	25	24	25	58	24	29	30	29	27	38	26	31	31	27			
1881	2A WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	25	33	33	32	30	29	30	61	29	34	34	34	30	40	29	34	34	30			
1882	26 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	27	35	35	34	32	31	29	62	28	33	33	33	29	42	28	33	33	29			
1883	3 YELLOWGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	24	32	32	31	30	28	29	37	37	36	34	33	22	55	20	26	26	22	35	20	26	26	22	22			
1884	20 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	18	26	26	25	23	22	33	63	31	36	37	36	33	43	31	36	37	33			
1885	14 GREYGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	25	33	33	32	30	28	33	41	41	40	38	37	22	54	20	26	26	22	33	20	26	26	22	22			
1886	1 MONEY CL, ROUSE HILL NSW 2155	Industrial/Utilities	2	70	70	70	70	33	41	41	40	38	37	33	41	41	40	39	37	26	60	25	30	30	30	27	39	26	31	31	27			
1887	13 CLEVELAND CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	18	26	26	25	24	22	54	81	52	57	58	57	54	61	52	58	58	54			
1888	1A PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	9	17	17	16	14	13	23	31	31	30	29	27	18	52	16	22	22	22	18	31	16	22	22	18			
1889	4 PONSFORD AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	37	45	45	44	42	41	33	41	41	40	38	37	19	54	18	23	24	23	19	34	18	23	23	19			
1892	10 TRUMPER WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	37	45	45	44	42	41	34	42	42	41	39	38	21	55	20	25	26	25	21	35	20	25	26	21			
1893	11 SCRIBBLYGUM CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	28	27	23	31	31	30	28	27	21	54	20	25	25	25	21	33	20	25	25	21			
1895	36 WELLGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	17	25	25	24	22	21	22	56	21	26	26	24	36	22	27	28	24				
1896	63 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	35	43	43	42	40	39	38	46	46	45	43	41	21	53	20	25	25	25	21	33	20	25	25	21			
1897	4 LONGMEADOW PWY, BOX HILL NSW 2765	Residential	2	44	39	39	35	28	36	36	35	33	31	31	38	39	38	36	34	15	47	13	19	19	19	12	27	10	15	16	12			
1898	15 FARMINGTON ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	25	33	33	32	30	29	28	36	36	35	33	32	11	47	10	15	15	11	26	9	15	15	11				
1899	21 TIMBERCREST ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	35	43	43	42	40	39	34	42	42	41	39	38	17	50	16	21	21	21	14	29	12	17	18	14			
1900	29 BUDAWANG AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	34	34	42	42	41	39	38	45	75	44	49	49	46	54	45	50	50	46				
1901	14 WARRUMBUNGLE CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	21	29	29	28	26	25	32	62	30	36	36	32	42	41	31	36	36	32			
1903	26 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	34	42	42	41	39	37	45	53	53	52	50	49	28	59	27	32	33	32	28	39	27	32	33	28			
1904	3 AUGUSTA CT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	12	20	20	19	18	16	15	23	23	22	20	19	21	56	19	25	25	25	21	35	19	25	25	21			
1907	28 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	34	42	42	41	39	37	39	47	47	46	44	42	32	66	31	36	37	36	32	45	31	36	37	33			
1908	27 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	9	17	17	16	14	13	13	21	21	20	18	17	29	60	28	33	33	31	40	29	35	35	31				
1909	22 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	15	14	11	19	19	18	17	15	35	65	34	39	39	37	45	35	41	41	37				
1910	9 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	38	37	35	43	43	42	40	39	31	65	30	35	35	35	31	44	30	35	35	31			
1911	24 SCRIBBLYGUM CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	34	35	43	43	42	40	39	17	49	15	21	21	20	17	29	15	21	21	17			
1912	48A RAMORNIE DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	16	23	24	23	21	19	19	53	17	23	23	19	33	17	23	23	19				
1913	2 RAMORNIE DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	30	38	38	37	36	34	33	64	31	37	37	37	33	43	31	37	37	33			

Receiver ID	Address	Land use	Noise Catchment Area	Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																															
				Noise Management Level				WRRF										Lot 96						SP1022						SP1022 with mitigation					
				Standard hours	Outside standard hours			CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS08	CS09	CS10	CS11	CS01	CS03	CS07	CS08	CS09	CS10	CS11			
1932	53 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	46	54	54	53	51	49	30	38	38	37	35	34	17	48	15	21	21	21	17	27	15	21	21	17				
1933	32 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	24	28	36	36	35	34	32	33	64	32	37	37	37	34	43	32	37	38	34				
1934	66 CLOVER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	19	27	27	26	25	23	33	41	41	40	38	37	26	58	25	30	30	26	38	25	30	30	26					
1935	34 KUMBATINE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	28	36	36	35	33	32	34	64	32	38	38	38	34	44	33	38	38	34				
1936	16 GARNET PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	34	32	30	38	38	37	35	34	37	67	36	41	41	41	37	47	35	41	41	37				
1937	2 HERMITAGE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	15	22	23	22	20	18	21	56	20	25	25	21	35	20	25	25	21					
1938	5 DENNISON CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	21	29	29	28	26	25	37	69	35	40	41	40	37	49	35	40	41	37				
1939	15 HYATT CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	29	30	37	38	37	35	33	24	55	22	28	28	28	24	35	23	28	29	24				
1940	3 KNOX PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	20	28	28	27	25	24	64	92	63	68	68	68	62	71	60	66	66	62				
1941	38 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	20	28	28	27	26	24	22	57	21	26	27	26	23	36	22	27	27	23				
1942	16 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	27	35	35	34	32	31	42	50	50	49	47	46	22	56	21	26	26	26	22	36	21	26	26	22				
1943	5 STREAMDALE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	28	36	36	35	34	32	30	38	38	37	35	34	10	46	9	14	14	14	9	26	8	13	14	9				
1944	1 CHATEAU CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	33	41	41	40	39	37	35	43	42	40	39	52	80	50	56	56	56	52	59	50	56	56	52					
1945	42 CLOVER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	28	26	24	32	32	31	30	28	21	55	19	24	25	24	21	35	19	24	25	21				
1946	6 LINDEMAN CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	32	40	40	39	37	36	31	62	29	35	35	35	31	42	29	35	35	31				
1947	5 LONGMEADOW PWY, BOX HILL NSW 2765	Residential	2	44	39	39	35	21	29	29	28	26	25	23	31	31	30	28	27	10	46	9	14	14	14	10	26	8	14	14	10				
1948	3 HIGHLANDS WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	24	21	29	29	28	26	25	16	48	14	20	20	20	17	27	16	21	21	17				
1949	64 WELGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	23	21	19	27	27	26	24	23	27	60	26	31	32	31	29	39	27	32	33	29				
1950	2 CHATEAU CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	33	41	41	40	38	36	34	42	42	41	39	38	49	77	48	53	54	53	49	56	48	53	54	50				
1951	109 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	34	42	42	41	39	38	34	42	42	41	39	38	23	57	22	27	27	27	23	37	21	27	27	23				
1952	8 TIANIE PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	32	40	40	39	37	36	35	43	43	42	40	38	40	72	39	44	44	44	40	51	39	44	45	40				
1953	131 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	20	28	28	27	25	24	11	44	10	15	16	15	12	24	11	16	16	12				
1954	14 CLEVELAND CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	20	28	28	27	25	24	27	59	25	31	31	31	27	39	26	31	31	27				
1955	25 BARDSLEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	35	27	35	35	34	32	31	20	54	18	24	24	24	19	33	18	23	24	19				
1956	145 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	32	40	40	39	37	36	16	50	14	19	20	19	17	29	15	20	21	17				
1957	27 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	27	35	35	34	32	31	27	61	26	31	32	31	28	41	27	32	33	29				
1958	6 PLEASANCE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	14	22	22	21	19	18	20	28	28	27	25	24	6	42	5	10	10	6	22	5	10	10	6					
1959	5 SARABAH ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	10	18	18	17	15	14	23	56	22	27	27	27	25	36	23	29	29	25				
1960	20 LONGMEADOW PWY, BOX HILL NSW 2765	Residential	2	44	39	39	35	34	42	42	41	39	38	34	42	42	41	39	38	18	52	16	21	22	21	18	31	16	21	22	18				
1961	1 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	17	25	25	24	22	21	13	48	12	17	17	13	28	12	17	17	13					
1963	74 CLOVER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	28	36	36	35	33	32	30	38	38	37	35	33	33	66	32	37	37	37	33	45	32	37	37	33				
1964	48 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	18	26	26	25	23	22	22	30	30	29	27	26	24	58	22	28	28	28	24	37	22	28	28	24				
1966	9 MCCABE PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	24	32	32	31	29	28	28	36	36	35	33	32	16	49	15	20	20	20	16	29	15	20	20	16				
1967	12 BLADENSBURG RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	20	28	28	27	25	24	23	57	21	27	27	27	23	36	22	27	28	24				
1968	55 COCOPARRA CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	30	38	38	37	36	34	35	66	34	39	40	39	36	45	34	40	40	36				
1969	30 RAVENSBORNE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	7	15	15	14	12	11	26	34	34	33	31	30	32	62	31	36	36	36	33	41	31	37	37	33				
1970	15 WICKLOW PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	37	45	45	44	42	41	47	55	55	54	52	51	28	57	26	32	32	32	27	36	25	31	31	27				
1971	7 WICKLOW PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	41	49	49	48	46	45	44	52	52	51	49	48	28	59	27	32	32	32	27	39	26	31	31	27				
1972	1 WILLANDRA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	18	26	26	25	23	22	25	57	23	29	29	26	37	25	30	30	26					
1973	25 PLEASANCE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	19	27	27	26	24	23	21	28	28	27	25	23	22	56	20	26	26	26	23	35	21	27	27	23				
1974	10 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	30	31	39	39	38	36	35	31	60	29	34	35	34	30	39	29	34	35	30				
1975	31 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	36	44	44	43	41	40	40	48	48	47	45	43	29	57	27	33	33	32	29	37	27	33	33	29				
1976	86 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	18	17	25	25	24	22	21	28	62	26	32	32	32	28	41	26	32	32	28				
1978	43 LIMESTONE RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	31	39	39	38	36	34	30	38	38	37	35	33	16	50	14	20	20	13	30	12	17	17	13					
1979	28 WARRAWEE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	22	20	28	28	27	25	23	22	56	20	26	26	26	23	35	21	27	27	23				
1980	13 CHAELUNDI CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	24	32	32	31	29	28	41	70	40	45	45	45	41	50	40	45	45	41				
1981	1 BLUE LAKES PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	23	31	31	30	29	27	23	31	31	30	28	27	18	54	16	22	22	22	18	33	16	22	22	18				
1982	5 BLUE LAKES PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	24	32	32	31	30	28	18	54	17	22	22	22	18	33	17	22	22	18				
1983	7 MARYLAND ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	20	28	28	27	25	24	19	54	18	23	23	23	19	33	18	23	23	19				

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				Noise Management Level				WRRF																Lot 96				SP1022				SP1022 with mitigation			
				Standard hours	Outside standard hours			CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10				
Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10									
2001	3 CORNELL CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	19	24	32	32	31	29	28	16	49	14	20	20	20	17	28	15	21	21	17				
2002	60 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	36	44	44	43	41	40	32	40	39	37	36	18	51	17	22	22	22	18	31	17	22	22	18					
2003	18 LONGMEADOW PWY, BOX HILL NSW 2765	Residential	2	44	39	39	35	30	38	38	37	35	33	30	38	38	37	35	34	15	48	14	19	19	12	28	11	16	16	12					
2004	28 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	30	30	38	38	37	35	34	38	67	36	41	42	41	39	47	38	43	44	40				
2005	46 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	23	21	22	29	30	29	27	25	27	61	26	31	31	31	27	40	26	31	32	27				
2006	3 HOPKINS CT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	26	34	34	33	31	30	24	55	22	28	28	28	25	35	24	29	29	25				
2007	9 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	6	14	14	13	12	10	8	16	16	15	13	12	30	61	28	34	34	34	31	41	30	35	35	31				
2008	31 WARRABAH RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	19	21	29	29	28	26	25	29	61	27	33	33	30	40	29	34	34	30					
2009	2 RIVERGUM WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	28	26	24	32	32	31	29	28	25	58	24	29	29	29	25	37	24	29	29	25				
2010	1 WARRUMBUNGE CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	31	29	37	37	36	34	33	34	65	33	38	39	38	35	44	34	39	40	35				
2011	9 FARMINGTON ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	24	32	32	31	29	28	26	34	34	33	31	30	12	48	11	16	16	16	10	28	9	14	14	10				
2012	69 WELLGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	16	24	24	23	21	19	29	62	28	33	33	33	31	41	29	35	35	31				
2013	2A BARNES PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	25	24	20	28	28	27	25	24	19	51	17	23	23	23	19	31	17	23	23	19				
2014	2 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	9	17	17	16	14	13	12	20	20	19	17	16	30	62	29	34	35	34	31	41	30	35	36	32				
2015	8 PONSFORD AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	39	47	47	46	44	43	35	43	43	42	40	39	17	52	15	21	21	21	17	31	15	21	21	17				
2016	40 ABERDOUR AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	22	30	30	29	27	26	24	32	32	31	29	28	22	56	20	26	26	25	22	35	20	26	26	22				
2017	25 CLEVELAND CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	15	23	23	22	20	19	50	79	48	54	54	54	50	58	48	54	54	50				
2018	124 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	23	31	31	30	28	27	20	54	19	24	24	24	21	33	20	25	25	21				
2019	19 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	25	24	23	31	31	30	28	27	19	54	17	23	23	23	19	33	17	23	23	19				
2020	16 WARRUMBUNGE CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	15	14	17	25	25	24	22	21	32	62	31	36	36	36	32	42	31	36	37	33				
2021	28 BLADENSBURG RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	18	16	15	23	23	22	20	19	18	52	17	22	22	22	18	32	17	22	23	18				
2022	5/4 MONEY CL, ROUSE HILL NSW 2155	Industrial/Utilities	2	70	70	70	70	43	51	51	50	48	46	47	75	75	74	72	71	29	62	27	33	33	33	29	41	28	33	33	29				
2023	26-32 BOX RD, BOX HILL NSW 2765	Residential	1	51	46	44	35	35	43	43	42	40	39	33	41	41	40	38	37	25	58	23	29	29	29	25	37	23	29	29	25				
2024	8 HARVARD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	23	31	31	30	28	27	29	62	28	33	34	33	29	42	28	33	34	29				
2025	19 HIGHGATE CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	22	30	30	29	27	26	42	72	41	46	46	41	52	40	45	45	41	29				
2026	8 PELLGRINO GR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	28	36	36	35	33	31	17	52	16	21	22	21	17	32	16	21	22	18				
2027	39 HARVARD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	28	36	36	35	33	32	19	51	18	23	23	23	20	31	19	24	25	20				
2028	29 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	23	21	26	34	34	33	31	30	24	58	23	28	28	28	25	37	23	29	29	25				
2029	28 EXPEDITION ST, NORTH KELLYVILLE NSW 2155	Industrial/Utilities	2	70	70	70	70	19	27	27	26	24	23	25	33	33	32	30	29	34	65	33	38	38	35	44	34	39	40	36					
2030	9 SCRIBBLYGUM CT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	29	37	37	36	34	33	30	38	38	37	35	34	21	54	20	25	25	25	21	34	20	25	25	21				
2031	6 TAYLEE PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	27	35	35	34	32	30	60	88	59	64	64	64	60	67	59	64	64	60				
2032	10 HERMITAGE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	19	27	27	26	24	23	28	62	26	32	32	31	28	41	26	31	32	28				
2033	37 HARVARD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	29	37	37	36	35	33	18	50	17	22	22	22	20	30	18	24	24	20				
2034	20 WILLANDRA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	4	12	12	11	9	8	5	13	13	12	10	9	29	60	28	33	33	33	29	40	28	33	34	29				
2035	2 PONSFORD AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	39	47	47	46	44	43	38	46	46	45	43	42	17	52	15	21	21	17	31	15	21	21	17					
2036	4 BLADENSBURG RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	23	31	31	30	29	27	23	58	22	27	28	27	24	37	23	28	28	24				
2037	9 NEEDLEWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	34	42	42	41	40	38	37	45	45	44	42	41	24	56	23	28	28	28	24	35	23	28	28	24				
2038	10 RAVENSBORNE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	20	18	21	29	29	28	26	25	31	62	29	35	35	35	31	41	30	35	35	31				
2039	16 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	31	39	39	38	36	35	40	70	39	44	44	44	41	49	39	44	45	41				
2040	6 MAYFAIR AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	25	33	33	32	30	29	32	65	31	36	36	36	33	44	32	37	38	34				
2041	17 NUNKERE CR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	25	33	33	32	31	29	44	77	42	47	48	47	44	56	42	47	48	44				
2043	40 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	34	42	42	41	39	38	36	68	34	40	40	40	35	48	34	39	40	36				
2044	14 COACHWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	35	33	41	41	40	38	37	24	54	22	28	28	27	24	33	22	28	28	24				
2045	6 BARDSLEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	24	32	32	31	29	28	29	37	37	36	34	33	19	53	18	23	23	23	19	33	18	23	23	19				
2046	39 TIMBERCREST ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	23	31	31	30	28	27	23	31	31	30	28	27	6	42	4	10	10	10	6	21	4	10	10	6				
2047	GROUND 1/5 MONEY CL, ROUSE HILL NSW 2155	Industrial/Utilities	2	70	70	70	70	36	44	44	43	41	40	56	64	64	63	61	60	21	55	19	25	25	24	21	35	20	25	25	21				
2048	3 LIBERTY WAY, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	23	31	31	30	29	27	33	66	32	37	37	37	35	46	33	39	39	35				
2049	56 WELLGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	27	25	23	31	31	30	29	27	28	61	27	32	32	32	29	41	28	33	34	29				
2050	16 HYATT																																		

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level			Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																												
				Standard hours	Outside standard hours			WRRF										Lot 96						SP1022						SP1022 with mitigation					
					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10				
2068	16 WICKLOW PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	32	40	40	39	37	36	37	45	45	44	42	41	25	57	24	29	29	29	25	36	24	29	29	25				
2071	35 COCOPARRA CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	30	38	38	37	35	33	34	65	33	38	38	38	35	44	33	39	39	35				
2072	34 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	21	29	29	28	26	25	28	62	27	32	32	32	30	41	28	34	34	30				
2075	19 CHAELUNDI CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	14	32	40	40	39	37	35	44	73	43	48	48	48	44	52	43	48	48	44				
2076	8 MCCABE PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	16	24	24	23	21	19	16	24	24	23	21	20	17	49	16	21	22	21	17	29	16	21	22	17				
2077	6 ST ANDREWS WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	34	42	42	41	39	38	24	58	23	28	28	28	24	38	23	28	28	24				
2078	14 SANDLEWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	18	26	26	25	23	22	20	28	28	27	25	24	25	58	23	28	29	28	24	37	23	28	29	24				
2079	29 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	36	44	44	43	41	40	29	60	28	33	33	33	29	40	28	33	34	29				
2080	56 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	24	32	32	31	29	28	34	65	33	38	38	38	37	45	36	41	42	37				
2082	12 EMPRESS AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	17	25	25	24	22	21	16	51	15	20	20	20	17	30	16	21	21	17				
2083	13 AUGUSTA CT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	25	33	33	32	31	29	27	35	35	34	32	31	22	56	21	26	26	26	22	36	21	26	26	22				
2085	7 RIVERGUM WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	28	27	24	32	32	31	29	28	24	58	22	28	28	28	24	37	22	28	28	24				
2086	5 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	38	36	35	43	43	42	40	39	21	55	19	25	25	25	21	35	19	25	25	21				
2087	28 MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	26	34	34	33	31	30	34	66	33	38	39	38	35	45	33	38	39	35				
2088	10 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	35	34	42	42	41	39	38	35	67	33	38	39	38	35	47	33	38	39	35				
2089	40 LONGMEADOW PWY, BOX HILL NSW 2765	Residential	2	44	39	39	35	32	40	40	39	37	36	32	40	40	39	37	36	15	51	13	19	19	19	14	30	12	18	18	14				
2090	31 YELLOWGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	41	49	49	48	46	45	40	48	48	47	45	43	19	49	17	23	23	22	18	28	17	22	23	19				
2091	18 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	35	43	43	42	40	38	37	44	44	43	42	40	43	75	42	47	47	47	43	54	42	47	47	43				
2093	26 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	30	38	38	37	35	34	34	41	42	41	39	37	30	64	28	34	34	34	30	43	28	34	34	30				
2094	8 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	18	15	23	23	22	21	19	23	59	22	27	28	27	24	38	22	28	28	24				
2095	17 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	27	35	35	34	32	31	32	61	31	36	36	36	32	41	31	36	36	32				
2096	6 GARNET PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	28	36	36	35	33	31	37	66	36	41	41	41	36	46	35	40	40	36				
2097	6 NEEDLEWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	34	35	42	43	42	40	38	21	54	20	25	26	25	21	33	20	25	26	22				
2098	10 TALLAGANDA ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	28	36	36	35	33	32	32	62	31	36	36	36	32	41	31	36	36	32				
2099	7 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	31	39	39	38	36	35	38	71	37	42	42	42	39	50	38	43	43	39				
2100	38 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	18	26	26	25	24	22	21	29	29	28	26	25	21	55	19	25	25	24	21	34	19	25	25	21				
2101	17 GREYGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	25	33	33	32	30	29	24	31	32	31	29	27	23	57	22	27	28	27	23	36	22	27	28	24				
2102	73 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	7	15	15	14	12	11	9	17	17	16	14	13	36	65	34	40	40	39	37	45	36	41	41	37				
2103	19 COCOPARRA CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	16	23	24	23	21	19	27	59	25	31	31	30	27	38	25	31	31	27				
2104	18 SCRIBBLYGUM CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	30	38	38	37	36	34	33	41	41	40	38	37	17	49	16	21	21	21	17	28	16	21	21	17				
2105	18 RIVERGUM WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	38	46	46	45	43	42	48	56	56	55	53	51	33	65	31	37	37	36	31	45	30	35	35	31				
2106	1 BARNES PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	27	35	35	34	32	31	26	34	34	33	31	30	17	51	16	21	21	21	17	30	16	21	21	17				
2107	350 ANNANGROVE RD, ROUSE HILL NSW 2155	Industrial/Utilities	1	70	70	70	70	33	41	41	40	38	37	32	40	40	39	37	36	17	52	15	20	21	20	16	32	15	20	21	17				
2108	54 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	22	30	30	29	27	25	24	32	32	31	29	28	25	58	23	29	29	28	25	37	23	29	29	25				
2109	4 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	36	44	44	43	41	40	32	40	40	39	38	36	19	54	18	23	23	23	19	34	18	23	23	19				
2110	103 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	38	46	46	45	43	42	36	44	44	43	41	40	21	52	20	25	25	25	21	31	20	25	25	21				
2111	80 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	15	14	11	19	19	18	16	15	30	61	28	34	34	30	40	28	34	34	30					
2112	173 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	36	44	44	43	41	40	19	27	27	26	24	22	12	47	11	16	16	16	13	26	12	17	17	13				
2114	11 PARAMOUNT CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	34	32	40	40	39	37	36	47	75	45	51	51	51	47	54	45	51	51	47				
2115	48A RAMORNE DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	18	16	13	21	21	20	18	17	31	61	30	35	35	32	41	30	36	36	32					
2118	177 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	17	14	22	22	21	19	18	12	46	10	16	16	16	13	25	12	17	18	13				
2119	2 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	31	29	37	37	36	34	32	34	64	33	38	38	38	35	43	34	39	39	35				
2120	17 LIBERTY WAY, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	22	30	30	29	28	26	25	59	24	29	30	29	27	38	25	31	31	27				
2121	8 WELFORD CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	15	23	23	22	20	19	33	63	32	37	37	37	33	43	32	37	37	33				
2122	93 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	45	53	53	52	50	49	35	43	43	42	40	39	21	56	20	25	26	25	21	36	20	25	25	21				
2123	30 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	20	28	28	27	25	24	27	60	26	31	32	31	29	40	27	32	33	29				
2124	73 KUMBATINE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	30	38	38	37	35	34	36	66	34	40	40	39	36	45	34	40	40	36				
2125	18 GREYGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	22	30	30	29	27	26	17	25	25	24	23	21	19	52	18	23	23	23	19	32	18	23	23	19				
2126	70 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	17	25	25	24	22	21	17	25	25	24	22	21																

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level			Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																												
				Standard hours	Outside standard hours			WRRF							Lot 96							SP1022							SP1022 with mitigation						
					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS07	CS08	CS09	CS10	CS01	CS07	CS08	CS09	CS10						
2147	3 SPOTTEDGUM PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	35	31	39	39	38	36	34	16	48	14	20	20	16	27	14	20	20	16					
2148	2 GROUT PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	30	38	38	37	36	34	34	42	42	41	39	37	18	52	16	22	22	22	18	31	16	22	22	18				
2149	13 MAYFAIR AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	25	33	31	64	29	35	35	35	31	44	29	35	31	44	29	35	35	31				
2151	18 WELFORD CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	28	36	36	35	33	31	16	51	15	20	21	20	16	30	15	20	21	16				
2152	25 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	42	50	50	49	47	46	40	48	48	47	45	44	13	47	12	17	17	13	26	12	17	17	13					
2153	9 TIANIE PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	24	22	30	29	27	26	43	74	42	47	47	47	43	54	42	47	47	43					
2154	86 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	21	29	29	28	26	25	19	27	27	26	24	23	22	57	20	26	26	21	36	20	25	26	22					
2155	9 CELIA RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	21	28	29	28	26	24	19	54	18	23	23	23	19	33	18	23	23	19				
2156	18 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	21	29	29	28	26	25	31	60	29	35	35	35	31	39	29	35	35	31				
2157	11 WEEROONA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	37	45	45	44	42	40	44	52	52	51	49	48	31	64	30	35	35	35	32	43	30	36	36	32				
2158	15 NUNKERE CR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	17	25	25	24	22	21	66	93	64	69	70	69	66	72	64	69	70	66				
2159	1 WELFORD CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	22	20	27	28	27	25	23	29	62	28	33	33	33	29	41	28	33	33	29				
2160	4 TIANIE PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	22	20	28	28	27	25	24	45	74	43	49	49	48	44	54	43	48	48	44				
2161	5 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	23	31	31	30	28	27	40	70	39	44	44	44	39	49	37	43	43	39				
2162	159 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	37	45	45	44	42	41	28	36	36	35	33	31	17	51	15	20	21	20	17	31	16	21	21	17				
2163	Rouse Hill Rural Fire Brigade	Recreational/Open Space	2	60	60	60	60	50	58	58	57	56	54	49	57	57	56	54	52	22	57	21	26	26	26	22	37	20	26	26	22				
2165	4 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	28	36	36	35	33	32	21	55	20	25	26	25	22	34	20	26	26	22				
2167	27 SCRIBBLYGUM CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	34	42	42	41	39	37	35	43	43	42	40	39	15	46	14	19	20	15	26	14	19	20	15					
2168	40 HARVARD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	27	35	35	34	32	31	21	53	20	25	26	25	21	33	20	25	26	21				
2169	23 HIGHGATE CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	19	27	27	26	24	23	39	69	38	43	43	43	39	49	38	43	43	39				
2170	175 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	17	25	25	24	22	21	12	46	10	16	16	16	13	25	11	17	13					
2171	53 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	24	32	32	31	29	28	28	60	27	32	32	32	28	39	27	32	32	28				
2172	41 COCOPARRA CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	23	18	26	26	25	23	22	33	64	32	37	38	37	34	43	32	38	38	34				
2173	8 SEED ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	32	40	40	39	37	36	31	39	39	38	36	35	20	54	19	24	25	24	20	34	19	24	25	20				
2174	17 CLEVELAND CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	19	27	27	26	24	23	52	79	50	55	56	55	52	59	50	56	56	52				
2175	39 EUCALYPTUS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	31	39	39	38	36	35	31	38	38	38	36	34	16	52	14	20	20	14	31	12	18	18	14					
2177	4 JERVIS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	15	14	11	18	19	18	16	14	29	59	28	33	33	29	39	27	33	33	29					
2178	18 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	49	57	57	56	54	52	46	54	54	53	51	50	17	51	15	21	21	17	30	15	21	21	17					
2180	27 NELSON RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	31	39	39	38	36	35	30	38	38	37	35	34	16	51	14	19	20	19	14	31	13	18	18	14				
2181	342 ANNANGROVE RD, ROUSE HILL NSW 2155	Industrial/Utilities	1	70	70	70	70	42	50	50	49	47	46	40	48	48	47	45	44	24	57	23	28	28	28	23	36	22	27	28	23				
2182	23 BUDAWANG AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	30	38	38	37	36	34	33	41	41	40	38	37	45	74	44	49	49	49	45	54	44	49	50	46				
2184	60 TABLELANDS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	35	43	43	42	40	39	37	45	45	44	42	40	12	48	10	16	16	15	12	28	11	16	17	12				
2185	20 OUTBACK ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	38	46	46	45	43	41	39	47	47	46	44	42	27	59	26	31	32	31	25	38	24	29	29	25				
2187	76 OUTBACK ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	34	42	42	41	39	38	38	46	46	45	43	42	22	56	21	26	27	26	22	35	21	26	27	23				
2189	29A LONGMEADOW PWY, BOX HILL NSW 2765	Residential	2	44	39	39	35	22	30	30	29	27	26	24	31	32	31	29	27	10	47	9	14	15	14	10	26	9	14	15	10				
2190	5 WATERFLOW ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	29	37	37	36	35	33	29	37	37	36	34	33	13	49	12	17	18	17	11	29	10	15	15	11				
2193	24 WELGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	19	27	27	26	24	23	29	62	27	33	33	32	30	41	28	34	34	30				
2194	67 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	25	24	20	28	28	27	26	24	19	53	18	23	23	23	19	32	18	23	23	19				
2195	20 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	48	56	56	55	53	51	46	54	54	53	51	50	23	57	22	27	27	27	23	36	22	27	27	23				
2196	37 COURSEBROOK ST, BOX HILL NSW 2765	Residential	1	51	46	44	35	29	37	37	36	34	33	29	37	37	36	34	33	15	51	13	19	19	19	15	30	13	19	19	15				
2197	9 BROOKHAVEN ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	26	34	34	33	31	30	27	34	35	34	32	30	7	42	6	11	12	11	7	21	6	11	12	8				
2198	18 WICKLOW PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	32	40	40	39	37	35	40	48	48	47	45	43	24	56	23	28	29	28	24	36	23	28	29	25				
2199	21 HIGHGATE CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	23	31	31	30	28	27	37	70	36	41	42	41	39	49	37	43	43	39				
2201	69 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	17	25	25	24	22	21	28	60	27	32	32	32	28	40	27	32	32	28				
2202	13 LIBERTY WAY, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	18	26	26	25	24	22	28	62	27	32	32	32	30	41	28	33	34	30				
2203	UNIT 108 320 ANNANGROVE RD, ROUSE HILL NSW 2155	Commercial/Business	2	70	70	70	70	34	42	42	41	39	38	34	42	42	41	39	38	14	49	12	18	18	18	13	28	12	17	17	13				
2204	20 PLEASANCE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	15	23	23	22	20	19	16	24	24	23	21	20	7	43	6	11	11	7	22	6	11	11	7					
2205	119 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	27	35	35	34	32	31	31	39	39	38	36	35	21	52	20	25	25	21	32	20	25	25	21					
2206	6 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	22	30	30	29	27	26	34	64	33	38	38	38	35	44	34	39	39	35				
2207	4 HER																																		

Receiver ID	Address	Land use	Noise Catchment Area	Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																											
				Noise Management Level				WRRF												Lot 96				SP1022				SP1022 with mitigation			
				Standard hours	Outside standard hours			CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS07	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10	
2223	7 STREAMDALE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	29	37	37	36	34	32	28	36	36	35	33	32	15	50	13	19	19	18	10	30	9	14	15	10
2225	12 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	44	52	52	51	49	48	29	37	37	36	34	33	13	48	12	17	18	17	13	28	12	17	18	14
2226	10 BILLABONG PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	29	37	37	36	34	32	42	74	40	45	46	45	42	54	40	45	46	42
2227	11 CLEVELAND CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	21	21	29	29	28	27	25	46	74	45	50	51	50	46	53	45	50	51	47
2228	35 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	27	34	35	34	32	30	34	65	32	38	38	38	34	44	32	38	38	34
2229	5 MAYFAIR AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	22	30	30	29	27	25	30	64	28	33	34	33	30	43	28	34	34	30
2230	11 MINDARIBBA AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	16	24	24	23	21	20	46	77	45	50	50	50	46	56	44	49	50	46
2231	68 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	29	37	37	36	34	33	34	42	42	41	39	38	29	61	28	33	33	33	29	40	28	33	33	29
2232	20 WEEROONA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	43	51	51	50	49	47	48	56	56	55	53	52	24	57	23	28	28	28	25	36	24	29	29	25
2233	20 GREYGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	22	30	30	29	28	26	22	30	30	29	28	26	20	54	19	24	24	24	20	34	19	24	24	20
2235	115 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	18	26	26	25	23	21	17	50	16	21	21	21	18	29	17	22	22	18
2236	13 NUNKERE CR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	17	25	25	24	22	21	70	98	68	74	74	73	70	77	68	73	74	70
2238	17 AUGUSTA CT, NORTH KELLYVILLE NSW 2155	Residential	1	51	46	44	35	21	29	29	28	26	25	23	31	31	30	28	27	18	53	17	22	22	18	12	26	11	16	16	12
2239	111 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	25	24	26	34	34	33	31	30	19	51	17	22	23	22	18	31	17	22	23	19
2240	10 HYATT CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	28	36	36	35	33	31	25	59	24	29	30	29	26	39	25	30	30	26
2241	17 WATTLEIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	15	11	19	19	18	16	15	15	48	13	19	19	18	15	27	13	19	19	15
2242	31 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	26	34	34	33	31	30	27	57	26	31	31	31	27	37	26	31	32	28
2243	16 CELIA RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	20	28	28	27	25	24	12	47	10	16	16	16	12	26	11	16	16	12
2244	6 RUBY CT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	34	32	40	40	39	37	36	48	75	46	51	52	51	47	55	46	51	51	47
2245	11 WERAKATA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	19	27	27	26	24	23	19	54	18	23	24	23	19	33	18	23	24	19
2246	34 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	37	45	45	44	42	40	38	46	46	45	43	41	22	53	20	26	26	25	22	32	20	26	26	22
2247	39 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	15	23	23	22	20	19	37	65	36	41	41	41	39	45	38	43	44	40
2248	1 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	33	31	29	36	37	36	34	34	64	33	38	38	38	35	43	34	39	40	36	
2249	2A BARNES PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	19	27	27	26	24	23	19	27	27	26	24	23	17	50	16	21	21	21	17	30	15	21	21	17
2251	19 PLEASANCE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	32	40	40	39	37	35	31	39	39	38	36	35	14	50	13	18	19	18	13	29	11	16	17	13
2252	13 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	34	42	42	41	39	37	36	43	44	43	41	39	32	66	31	36	36	36	32	45	31	36	36	32
2253	53 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	23	31	31	30	28	27	29	60	28	33	33	33	29	40	28	33	33	29
2254	129 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	9	17	17	16	14	13	10	18	18	17	15	14	15	51	14	19	19	19	15	30	14	19	19	15
2255	3 ROSS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	8	16	16	15	13	11	13	21	21	20	18	17	12	47	10	16	16	16	12	26	10	16	16	12
2256	7 MINSTREL PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	36	44	44	43	40	39	47	47	46	44	43	31	62	30	35	35	35	31	41	30	35	35	31	
2259	1 WEEROONA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	38	46	46	45	43	42	43	51	51	50	48	47	28	59	26	32	32	32	29	39	28	33	34	30
2260	116 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	20	27	28	27	25	23	24	59	23	28	28	28	25	38	23	29	29	25
2261	8 GREEN HILLS DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	29	37	37	36	34	33	29	37	37	36	34	33	20	55	19	24	25	24	20	35	19	24	25	21
2262	105 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	38	37	33	41	41	40	39	37	21	55	20	25	25	21	34	19	24	25	21	
2263	10 REDBUSH CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	38	37	35	43	43	42	40	39	32	65	30	36	36	35	32	45	30	36	36	32
2264	30 GREYGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	28	36	36	35	33	32	33	41	41	40	38	36	22	56	21	26	26	26	22	35	21	26	26	22
2266	54 WELLGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	24	32	32	31	29	28	28	60	27	32	32	32	28	40	27	32	33	28
2267	32 KNOX PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	19	27	27	26	24	23	51	81	50	55	56	55	51	61	49	54	55	51
2268	3 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	32	31	39	39	38	36	35	32	61	31	36	36	36	29	40	28	33	34	29
2269	12 REDBUSH CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	34	32	40	40	39	38	36	31	65	30	35	35	35	31	44	30	35	35	31
2270	48 BOX RD, BOX HILL NSW 2765	Residential	1	51	46	44	35	32	40	40	39	38	36	31	39	39	38	36	35	14	51	13	18	19	18	14	30	13	18	18	14
2271	35 MINDARIBBA AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	21	29	29	28	26	25	32	65	31	36	37	36	33	45	31	36	37	33
2272	29 MINDARIBBA AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	24	22	30	30	29	27	26	33	66	32	37	38	37	34	46	32	38	38	34
2273	9 CONNOR PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	32	40	40	39	37	36	40	71	39	44	44	44	40	51	39	44	44	40
2275	3 BLUE LAKES PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	7	15	15	14	12	11	8	16	16	15	13	12	19	53	17	23	23	22	19	32	17	23	23	19
2276	66 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	24	32	32	31	29	28	31	62	30	35	35	35	31	41	30	35	36	31
2277	ROUSE HILL PUBLIC SCHOOL 45-59 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	17	25	25	24	22	21	19	27	27	26	24	23	22	55	20	25	26	25	22	34	20	25	26	22
2278	6 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	34	41	42	41	39	37	25	56	23	29	29	29	26	35	25	30	30	26
2279	41 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	44	52	52	51	49	48	49	57	57	56	54	52	24	57	23	28	28	28	24	37	23	28	2	

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level				Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																							
				Standard hours	Outside standard hours			WRRF					Lot 96					SP1022					SP1022 with mitigation								
					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS07	CS08	CS09	CS10	
2297	8 GREENSBOROUGH AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	11	19	19	18	16	14	20	28	28	27	26	24	20	55	19	24	24	24	20	35	19	24	24	20
2298	7 CHATEAU CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	32	40	40	39	37	36	34	42	42	41	39	37	50	79	49	54	55	54	51	58	49	55	55	51
2300	4 EMPRESS AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	19	27	27	26	24	23	18	52	16	21	22	21	18	31	17	22	23	18
2301	27 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	28	26	24	32	32	31	29	27	32	65	31	36	37	36	34	45	32	37	38	34
2302	5 MINDARIBBA AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	32	40	40	39	37	36	46	75	44	49	50	49	46	54	44	49	50	46
2303	8 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	22	30	30	29	28	26	30	62	29	34	34	34	31	42	40	35	35	31
2304	3 RUBY CT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	33	40	41	40	38	36	45	73	43	49	49	48	46	52	44	49	50	46
2305	6 CHEVRON PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	31	29	29	37	37	36	34	33	18	51	16	22	22	22	19	30	17	23	23	19
2307	4 RUBY CT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	34	32	40	40	39	37	36	46	75	44	49	50	49	45	54	44	49	50	46
2308	11 MONARCH CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	15	23	23	22	20	19	26	59	24	30	30	30	26	38	25	30	30	26
2309	2 DUXTON CT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	37	45	45	44	42	41	39	46	47	46	44	42	28	57	26	31	32	31	29	37	27	33	33	29
2310	6 SHANNON ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	20	38	38	37	35	34	33	65	32	37	37	37	34	44	33	38	39	34
2311	27 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	13	21	21	20	18	17	29	61	28	33	34	33	29	41	28	33	34	30
2312	22A FINGLETON CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	34	42	42	41	39	38	32	40	40	39	37	36	21	52	20	25	26	25	21	31	20	25	26	22
2313	18 BARDSLEY CCT, NORTH HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	38	36	31	39	39	38	36	35	17	49	16	21	21	21	16	28	15	20	20	16
2314	35 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	19	27	27	26	24	23	15	50	14	19	19	19	15	29	14	19	19	15
2316	10 FARMINGTON ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	27	35	35	34	32	31	30	38	38	37	35	34	16	48	14	19	20	19	11	27	10	15	15	11
2317	4 DONEGAL PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	31	39	39	38	36	35	37	67	35	41	41	40	37	46	35	41	41	37
2318	21 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	23	21	18	26	26	25	24	22	23	57	22	27	27	27	25	36	23	29	29	25
2319	3 DENNISON CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	23	22	29	30	29	27	25	39	70	37	42	43	42	39	50	37	43	43	39
2320	17 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	23	21	26	34	34	33	31	30	33	63	31	36	37	36	34	42	32	37	38	34
2321	147 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	30	28	36	36	35	33	32	19	53	18	23	24	23	21	33	19	25	25	21
2323	29 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	22	30	30	29	27	25	26	34	34	33	31	30	26	60	25	30	30	30	26	39	25	30	30	26
2324	23 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	34	32	40	40	39	37	35	29	63	27	33	33	33	29	42	28	33	34	29
2325	17 NELSON RD, BOX HILL NSW 2765	Commercial/Business	1	70	70	70	70	30	38	38	37	35	34	29	37	37	36	34	33	18	53	17	22	22	22	18	32	17	22	22	18
2326	13 WARRAWEE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	15	13	20	21	20	18	16	9	44	8	13	14	13	11	23	9	14	15	11
2327	9 EUCALYPTUS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	32	40	40	39	37	36	31	39	39	38	37	35	16	52	14	20	20	20	14	31	12	18	18	14
2328	16 KNOX PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	30	38	38	37	35	34	62	88	61	66	66	66	55	67	53	59	59	55
2329	29 HARVARD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	29	24	32	32	31	29	28	22	55	21	26	26	26	23	34	22	27	27	23
2330	9 BARDSLEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	18	26	26	25	23	22	18	26	26	25	23	22	17	50	16	21	22	21	17	30	16	21	22	17
2331	9 EXPEDITION ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	24	21	29	29	28	26	25	31	63	30	35	36	35	31	43	30	35	36	31
2333	9 CHATEAU CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	32	40	40	39	37	36	34	42	42	41	39	37	50	79	49	54	54	50	58	49	54	54	50	47
2334	4 TALLAGANDA ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	25	32	32	30	28	27	58	26	31	31	31	27	37	26	31	31	27	21
2335	19 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	24	22	27	35	35	34	33	31	31	62	29	35	35	34	31	41	30	35	36	31
2336	9 RAVENSBOURNE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	24	22	27	35	35	34	32	31	33	63	32	37	37	37	34	42	32	38	38	34
2338	15 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	28	26	26	34	34	33	31	30	19	53	18	23	23	23	19	33	18	23	23	19
2339	21 CHAELUNDI CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	34	42	42	41	39	38	46	74	44	50	50	46	54	44	50	50	46	42
2340	4 CORNELL CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	17	25	25	24	22	21	17	50	15	20	21	20	17	29	16	21	21	17
2341	10 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	26	33	34	33	31	29	34	65	32	38	38	34	44	33	38	38	34	31
2342	15 MONARCH CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	17	24	24	22	20	31	64	29	35	35	35	31	44	29	35	35	31	27
2343	103 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	38	46	46	45	43	41	36	44	44	43	41	40	23	57	21	27	27	27	23	36	21	27	27	23
2344	152 NELSON RD, BOX HILL NSW 2765	Commercial/Business	1	70	70	70	70	28	36	36	35	33	32	28	36	36	35	33	31	20	54	19	24	24	24	20	33	19	24	24	20
2345	342 ANNANGROVE RD, ROUSE HILL NSW 2155	Industrial/Utilities	1	70	70	70	70	42	50	50	49	47	45	41	49	49	48	46	45	26	60	25	30	31	30	26	39	25	30	31	27
2346	29 PLEASANCE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	29	37	37	36	34	33	29	36	37	36	34	32	14	50	13	18	18	18	13	29	12	17	17	13
2347	10 SANDLEWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	30	38	38	37	35	34	20	28	28	27	25	24	30	64	28	34	34	33	30	43	28	34	34	30
2348	4 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	34	36	43	44	43	41	39	54	82	53	58	58	58	49	61	48	53	54	49
2349	20 FINGLETON CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	28	26	27	35	35	34	32	31	23	56	22	27	27	27	22	35	21	26	27	23
2350	1 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	35	43	43	42	40	39	38	45	46	45	43	41	28	59	26	32	32	31	28	38	26	32	32	28
2351	43 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	26	34	34	33	31	30	33											

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					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10
2369	34 RAMORNIE DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	21	29	29	28	26	25	28	61	27	32	32	32	28	40	26	32	32	28
2370	6 KNOX PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	29	37	37	36	35	33	34	42	42	41	39	38	50	82	48	54	54	50	61	48	54	54	50	
2371	66 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	20	28	28	27	25	24	31	64	30	35	35	35	32	43	31	36	36	32
2372	19 RIVERGUM WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	22	30	30	29	27	26	28	35	36	35	33	31	26	60	24	30	30	30	26	40	24	30	30	26
2373	11 FINGLETON CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	25	24	32	40	40	39	37	36	23	56	21	27	27	22	35	21	26	26	22	
2374	109 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	20	28	28	27	25	24	31	62	30	35	35	35	33	42	31	37	37	33
2375	8 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	28	36	36	35	33	32	30	61	28	34	34	30	41	28	34	34	30	
2376	4 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	34	33	41	41	40	38	37	25	56	24	29	29	25	36	24	29	29	25	
2377	61 TABLELANDS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	35	43	43	42	40	39	37	45	45	44	42	41	20	55	19	24	25	24	21	34	19	24	25	21
2378	68 TABLELANDS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	32	40	40	39	37	36	37	45	45	44	42	41	22	55	20	26	26	26	22	35	20	26	26	22
2379	27 EUCALYPTUS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	32	40	40	39	37	36	31	39	39	38	36	35	16	52	15	20	20	20	16	31	15	20	20	16
2380	6 WARRAWEE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	18	20	28	28	27	25	24	18	53	16	22	22	22	18	33	16	22	22	18
2382	6 DECK WAY, BOX HILL NSW 2765	Residential	2	44	39	39	35	35	43	43	42	40	39	35	43	43	42	40	39	25	57	23	29	29	28	25	37	23	29	29	25
2384	8 HYATT CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	24	32	32	31	29	28	21	52	19	25	25	25	22	31	21	26	26	22
2385	3 CHATEAU CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	20	28	28	27	25	24	34	67	32	38	38	37	34	46	32	38	38	34
2386	4 BULB WAY, BOX HILL NSW 2765	Residential	2	44	39	39	35	35	43	43	42	40	39	34	42	42	41	39	38	23	56	22	27	28	27	22	36	21	26	27	23
2387	92 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	30	37	38	37	35	33	33	63	32	37	37	37	33	43	32	37	38	34
2388	10/29 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	39	47	47	46	44	42	42	50	50	49	47	46	26	60	25	30	30	26	39	25	30	30	26	
2389	10 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	31	39	39	38	36	35	51	80	50	55	55	55	51	59	49	55	55	51
2390	11 LIMESTONE RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	36	44	44	43	41	39	34	42	42	41	40	38	26	58	24	30	30	30	21	38	19	25	25	21
2391	4 RIVERGUM WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	32	30	23	31	31	30	28	27	24	57	23	28	28	28	24	37	23	28	28	24
2392	320 ANNANGROVE RD, ROUSE HILL NSW 2155	Commercial/Business	2	70	70	70	70	29	37	37	36	34	33	32	40	40	39	37	36	15	50	13	19	19	15	29	13	19	19	15	
2393	7 RAVENSBOURNE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	25	32	32	30	30	30	31	62	30	35	36	35	33	41	31	37	37	33
2394	1 KURNELL PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	19	27	27	26	24	23	20	54	19	24	24	20	34	19	24	24	20	
2395	6 LONGMEADOW PWY, BOX HILL NSW 2765	Residential	2	44	39	39	35	34	42	42	41	39	38	33	41	41	40	38	37	15	48	14	19	19	19	12	27	10	16	16	12
2396	7/322 ANNANGROVE RD, ROUSE HILL NSW 2155	Commercial/Business	2	70	70	70	70	45	53	53	52	50	49	43	51	51	50	48	47	25	58	23	29	29	28	22	38	21	26	26	22
2398	13 RAVENSBOURNE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	19	22	30	30	29	27	26	24	57	22	28	28	28	25	37	24	29	29	25
2399	4 FARMINGTON ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	31	39	39	38	36	35	31	39	39	38	36	35	14	47	13	18	18	18	11	27	10	15	16	12
2401	17 BARAKEE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	18	19	27	27	26	24	23	13	48	12	17	18	17	13	27	12	17	18	14
2402	13 WILLANDRA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	5	13	13	12	10	8	7	15	15	14	12	11	28	59	26	32	32	29	38	28	33	34	29	
2403	8 BARNES PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	25	33	33	32	30	28	25	32	32	30	28	18	50	17	22	23	22	18	30	17	22	23	19	
2404	21 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	31	38	38	38	36	34	40	69	38	44	44	41	48	40	45	45	41	
2405	8 KINDILEN CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	20	29	36	37	36	34	32	52	81	50	56	56	50	61	49	54	54	50	
2407	114 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	23	31	31	30	28	27	20	55	19	24	24	20	35	19	24	24	20	
2408	10 BARAKEE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	20	18	20	28	28	27	25	24	17	52	16	21	21	17	32	16	21	21	17	
2409	4 LINDEMAN CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	32	40	40	39	38	36	32	63	31	36	37	36	32	42	31	36	37	32
2410	18 CELIA RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	21	19	17	25	25	24	22	21	21	55	19	25	25	21	35	19	25	25	21	
2411	10 GARNET PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	28	29	36	37	36	34	32	34	67	32	37	38	37	35	46	33	39	39	35
2412	22 SCRIBBLYGUM CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	17	25	25	24	22	21	20	28	28	27	25	24	21	54	19	25	25	21	34	19	25	25	21	
2413	20 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	32	40	40	39	37	36	45	76	44	49	49	45	56	44	49	49	45	
2414	7 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	28	35	36	35	33	31	25	58	24	29	29	29	26	37	24	30	30	26
2416	22 EMPRESS AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	22	19	27	27	26	24	23	22	57	21	26	26	22	36	21	26	26	22	
2417	10 BARNES PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	24	32	32	31	29	28	28	36	36	35	33	32	20	54	19	24	24	20	33	19	24	24	20	
2418	14 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	27	35	35	34	32	31	31	39	39	38	36	35	21	56	20	25	25	21	36	20	25	25	21	
2419	10 KNOX PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	20	19	27	27	26	24	23	64	92	63	68	68	58	72	56	62	62	58	
2420	39 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	25	33	33	32	30	29	25	57	24	29	29	27	37	26	31	31	27	
2421	31 BUDAWANG AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	35	33	34	42	42	41	39	38	46	75	45	50	50	46	54	45	50	50	46	
2422	8 MONARCH CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	24	32	32	31	29	28	26	59	24	29	30	29	27	39	25	30	31	27
2423	35 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	9	17	17	16	14	13	14	22	22	21	19	17	29	60	28	33	33	30	40	29	34	34	30	
2424	18 CLEVELAND CL, ROUSE HILL NSW 2155	Residential	2	44	39	39																									

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level																				Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)											
				Standard hours	Outside standard hours			WRRF						Lot 96						SP1022						SP1022 with mitigation									
					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS01	CS02	CS04	CS05	CS06	CS07	CS08
2441	5 BUDAWANG AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	32	40	40	39	37	35	40	70	39	44	44	44	41	49	40	45	45	41				
2442	61 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	35	43	43	42	40	39	38	46	46	45	43	42	19	49	18	23	23	23	19	29	18	23	23	19				
2443	26 GREEN HILLS DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	21	29	29	28	26	25	21	29	29	28	26	25	20	55	19	24	24	24	20	35	19	24	24	20				
2444	22 FARMINGTON ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	27	35	35	34	32	31	28	36	36	35	33	31	11	46	10	15	15	15	11	26	10	15	15	11				
2445	25 HARVARD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	25	32	33	32	30	28	26	60	24	29	30	29	26	39	25	30	30	26				
2446	13 BARAKEE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	15	23	23	22	20	19	17	51	15	21	21	20	17	31	15	21	21	17				
2447	32 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	27	25	27	34	35	34	32	30	27	59	26	31	31	31	28	38	26	32	32	28				
2448	37 MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	24	22	27	35	35	34	32	31	33	61	31	37	37	37	37	33	40	31	37	37	33			
2449	20 RAMORNIE DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	15	14	22	22	21	19	18	27	58	25	31	31	31	27	38	26	31	31	27				
2451	9 BUDAWANG AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	15	13	21	21	20	18	17	41	70	39	44	45	44	42	49	40	46	46	42				
2452	12 GARNET PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	29	37	37	36	34	33	37	66	36	41	41	41	37	46	36	41	41	37				
2453	1 NEEDLEWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	35	43	43	42	40	39	36	44	44	43	42	40	21	52	20	25	25	25	21	32	20	25	25	21				
2454	25 CELIA RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	17	25	25	24	22	21	16	52	15	20	20	20	16	32	15	20	20	16				
2455	15 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	19	27	27	26	24	23	53	82	51	57	57	57	53	62	51	57	57	53				
2456	4 CAPITAL PL, ROUSE HILL NSW 2155	Industrial/Utilities	1	70	70	70	70	40	48	48	47	45	44	40	47	48	47	45	43	13	47	11	17	17	12	26	11	16	17	13					
2457	13 HARVARD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	24	31	32	31	29	27	20	51	19	24	24	24	20	30	19	24	25	20				
2458	6 EMPRESS AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	23	21	19	27	27	26	24	23	20	55	19	24	24	24	20	34	19	24	25	20				
2459	18 HIGHGATE CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	32	40	40	39	37	36	34	42	42	41	39	38	51	79	50	55	55	55	51	59	50	55	55	51				
2460	5 RAVENSBOURNE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	27	25	33	33	32	30	29	31	62	29	35	35	35	32	41	31	36	37	32				
2461	10 MONARCH CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	18	26	26	25	23	22	28	60	26	32	32	32	28	39	26	32	32	28				
2462	131 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	27	35	35	34	32	31	21	55	19	25	25	25	21	35	20	25	25	21				
2463	15 WERAKATA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	30	38	38	37	36	34	21	29	29	28	26	25	18	53	17	22	23	22	18	32	17	22	23	18				
2464	6 LINDWALL PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	28	36	36	35	33	31	33	40	41	40	38	36	20	54	18	23	24	23	20	34	18	23	24	20				
2465	108 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	25	33	33	32	30	29	27	35	35	34	32	31	19	53	18	23	24	23	19	32	18	23	23	19				
2466	34 KNOX PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	23	31	31	30	28	26	55	83	54	59	60	59	50	63	49	54	54	50				
2467	5 EVERGREEN WAY, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	32	30	29	37	37	36	34	33	53	81	51	56	57	56	53	60	51	56	57	53				
2468	27 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	29	32	39	40	39	37	35	25	55	24	29	29	27	35	25	30	31	27					
2469	27 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	18	26	26	25	23	22	21	29	29	28	26	25	19	52	17	23	23	23	19	32	17	23	23	19				
2471	35 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	48	56	56	55	53	52	47	55	55	54	53	51	16	49	15	20	20	16	29	15	20	20	16					
2472	28 NOBLE WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	30	38	38	37	35	34	21	56	20	25	25	25	21	35	20	25	25	21				
2473	22 TALLAGANDA ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	25	33	33	32	31	29	29	37	37	36	34	33	29	60	28	33	33	33	29	40	28	33	33	29				
2474	96 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	20	18	26	26	25	23	21	23	55	22	27	27	27	24	34	23	28	28	24				
2475	24 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	20	27	28	27	25	23	26	60	25	30	31	30	26	39	25	30	31	26				
2476	25 NELSON RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	31	39	39	38	36	35	31	39	39	38	36	34	16	50	15	20	20	12	29	10	15	16	12					
2477	16 HIGHGATE CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	27	25	33	33	32	30	29	50	78	48	54	54	50	58	49	54	54	50					
2478	24 TALLAGANDA ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	29	37	37	36	34	33	32	63	31	36	37	36	33	42	31	37	37	33				
2480	25 SCRIBBLYGUM CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	29	37	37	36	34	32	29	37	37	36	34	33	18	52	17	22	22	22	18	31	17	22	22	18				
2481	85 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	38	46	46	45	43	42	38	45	46	45	43	41	18	52	16	22	22	21	17	32	16	21	22	17				
2482	7 MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	16	14	12	20	20	19	17	16	21	56	19	25	25	25	22	36	21	26	26	22				
2483	14 HIGHGATE CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	32	40	40	39	37	36	33	41	41	40	38	37	51	79	50	55	55	51	58	50	55	55	51					
2484	25 PARAMOUNT CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	24	32	32	31	30	28	32	64	31	36	36	36	33	43	31	37	37	33				
2485	30 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	19	27	27	26	24	23	33	64	32	37	37	34	43	32	38	38	34					
2486	2 RUBY CT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	29	37	37	36	34	33	35	68	33	39	39	38	36	47	34	39	40	36				
2487	76 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	19	27	27	26	24	23	22	30	30	29	27	26	32	65	31	36	37	36	32	44	31	36	37	33				
2488	8 BRUCE PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	19	23	31	31	30	28	27	18	52	16	22	22	22	19	31	17	23	23	19				
2489	55 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	45	53	53	52	50	49	50	58	58	57	55	53	24	54	22	27	28	27	24	34	23	28	28	24				
2490	6 WARRUMBUNGLE CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	21	29	29	28	26	25	29	61	28	33	33	33	29	41	28	33	33	29				
2491	14 MAYFAIR AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	29	37	37	36	34	33	36	68	34	40	40	40	36	47	35	40	41	37				
2492	3 COACHWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	34	42	42	41																		

Receiver ID	Address	Land use	Noise Catchment Area	Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																																							
				Noise Management Level				WRRF																								Lot 96				SP1022				SP1022 with mitigation			
				Standard hours	Outside standard hours			CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10						
2509	16 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	31	30	29	37	37	36	34	33	23	58	22	27	28	27	23	37	22	27	28	23												
2510	43 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	15	22	23	22	20	18	22	58	21	26	26	26	22	37	21	26	26	22												
2511	101 SERPENTINE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	25	32	33	32	30	28	30	61	29	34	35	34	31	40	30	35	36	31												
2512	70 WELLGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	29	28	35	36	35	33	31	33	64	31	36	37	36	34	43	33	38	38	34												
2513	6 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	17	25	25	24	22	21	26	58	24	30	30	29	26	37	25	30	30	26												
2514	14 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	33	41	41	40	38	37	40	48	48	47	45	44	31	65	30	35	36	35	31	44	30	35	36	31												
2515	13 HIGHGATE CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	14	22	22	21	19	18	45	73	43	49	49	45	53	44	49	50	46													
2516	33 TIMBERCREST ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	27	35	35	34	32	31	27	35	35	34	32	31	19	46	18	23	23	23	17	26	16	21	21	17												
2517	44 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	22	20	25	33	33	32	30	29	23	56	22	27	27	27	23	35	22	27	27	23												
2518	69 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	31	30	32	40	39	37	36	20	54	19	24	24	24	20	34	19	24	24	20													
2519	33 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	24	32	32	31	29	28	37	69	36	41	41	41	37	48	36	41	41	37												
2520	11 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	25	33	33	32	30	29	26	58	24	29	30	29	26	38	24	29	30	26												
2521	15 PLEASANCE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	29	37	37	36	34	33	30	37	38	37	35	33	12	49	11	16	16	16	12	28	10	16	16	12												
2522	7 SETON PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	30	28	36	36	35	33	32	24	57	22	28	28	28	24	36	23	28	29	25												
2523	36 KNOX PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	34	35	43	43	42	40	39	50	78	49	54	54	54	48	58	46	52	48	45												
2524	8 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	36	43	44	43	41	39	35	64	33	39	39	39	34	43	33	38	39	35												
2525	8 EXPEDITION ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	15	23	23	22	20	18	18	51	16	22	22	22	18	30	16	22	22	18												
2526	5 SPOTTEGUM PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	38	46	46	45	43	42	29	36	37	36	34	32	20	55	19	24	24	20	35	19	24	24	20													
2527	3 MONARCH CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	18	26	26	25	23	21	33	65	32	37	37	37	34	45	32	37	38	34												
2528	81 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	33	41	41	40	39	37	35	43	43	42	40	39	22	53	21	26	26	26	23	33	22	27	27	23												
2529	27 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	34	42	42	41	39	38	42	50	50	49	47	46	29	60	28	33	33	33	30	40	28	33	34	30												
2530	6 BLUE LAKES PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	13	21	21	20	18	17	7	42	6	11	11	8	21	7	12	12	8													
2531	44 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	17	15	23	23	22	20	19	32	66	31	36	37	36	33	45	31	37	37	33												
2532	11 MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	15	13	21	21	20	18	16	28	62	27	32	32	29	42	28	33	33	29													
2533	ROUSE HILL PUBLIC SCHOOL 45-59 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	22	30	30	29	27	26	24	32	32	31	29	28	23	56	22	27	27	27	23	35	22	27	27	23												
2534	105 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	19	27	27	26	25	23	22	55	21	26	26	26	23	35	22	27	28	23												
2535	131 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	32	40	40	39	37	36	20	53	18	24	24	20	32	19	24	25	21													
2536	54 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	27	35	35	34	33	31	32	63	31	36	37	36	32	42	31	36	37	32												
2537	53 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	7	15	15	14	12	11	8	16	16	15	13	12	28	59	27	32	32	28	39	27	32	32	28													
2538	1 HOPKINS CT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	40	48	48	47	45	44	22	53	21	26	26	26	24	33	22	28	24													
2539	17 MONARCH CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	20	28	28	27	25	24	27	60	25	31	31	31	27	39	26	31	31	27												
2540	37 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	48	56	56	55	53	52	47	55	55	54	53	51	16	50	15	20	21	20	16	29	15	20	21	17												
2541	47 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	32	40	40	39	37	36	24	55	23	28	28	28	24	35	23	28	29	25												
2542	9 MACKAY WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	29	37	37	36	34	33	28	36	36	35	33	32	16	51	15	20	21	20	16	31	15	20	20	16												
2543	4 REGIS GR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	29	26	34	34	33	31	30	19	52	17	23	23	22	20	31	19	24	24	20												
2544	34 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	21	29	29	28	26	25	27	35	35	34	32	31	26	60	25	30	30	30	26	40	25	30	30	26												
2545	30 HIGHLANDS WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	18	20	28	28	27	25	24	16	49	15	20	20	17	29	15	21	21	17													
2546	77 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	30	37	38	37	35	33	34	65	33	38	38	38	34	45	33	38	38	34												
2547	8 LONGMEADOW PWY, BOX HILL NSW 2765	Residential	2	44	39	39	35	34	42	42	41	39	38	33	41	41	40	38	37	17	53	16	21	22	21	14	32	12	18	18	14												
2548	8 WATERFLOW ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	25	33	33	32	31	29	25	33	33	32	30	29	9	45	8	13	13	13	8	25	6	12	12	8												
2550	21 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	27	35	35	34	32	31	22	50	21	26	26	26	22	29	21	26	26	22												
2551	3 NUNKERE CR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	20	28	28	27	25	24	72	100	71	76	77	76	61	79	60	65	65	61												
2552	1 DUXTON CT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	32	40	40	39	37	36	34	42	42	41	39	38	29	62	28	33	34	33	31	42	29	35	35	31												
2553	18 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	29	37	36	34	33	38	67	37	42	42	42	38	47	37	42	42	38													
2554	9 MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	20	28	28	27	25	24	30	64	29	34	34	34	31	43	30	35	35	31												
2555	25 WERAKATA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	31	28	36	36	35	33	32	9	44	8	13	13	13	10	23	8	14	14	10												
2556	97 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	15	14	11	19	19	18	16	14	30	61	29	34	35	34	31	41	29	34	35	31												
2557	21 WICKLOW PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	39	47	47	46	44	43	42	50	50	49	47	46	23	54	21	27	27	27	23	33	21	27	27	23												
2558	2 LINDWALL PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	19	27	27	26	24	23	19	27	27	26	24	23	17	51	15	21	21	20	17	31	15															

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level																				Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)														
				Standard hours	Outside standard hours			WRRF						Lot 96					SP1022					SP1022 with mitigation														
					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10							
2576	165 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	38	46	46	45	43	42	30	38	38	37	35	34	16	50	15	20	20	17	29	16	21	21	17								
2577	12 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	28	35	36	35	33	31	34	66	33	38	38	38	34	46	33	38	39	34							
2578	111 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	31	39	39	38	36	34	38	69	37	42	42	42	40	48	39	44	45	40							
2579	23 HYATT CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	23	24	32	32	31	29	27	25	56	23	29	29	28	25	35	23	29	29	25							
2580	21 CONNOR PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	23	31	31	30	28	27	36	68	34	39	40	39	35	47	34	39	40	35							
2581	140 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	30	32	40	40	39	37	36	17	53	16	21	22	21	17	32	16	21	22	18							
2582	34 BLADENSBURG RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	32	39	40	39	37	35	25	59	24	29	30	29	25	38	24	29	30	25							
2583	16 HIGHLANDS WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	20	18	26	26	25	23	21	18	52	16	21	22	21	18	31	17	22	23	18							
2584	4 MORRISEY WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	17	25	25	24	22	21	16	48	15	20	21	20	17	28	16	21	22	17							
2585	1 SANDLEWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	30	38	38	37	35	34	30	64	29	34	34	34	30	44	29	34	34	30							
2586	24 NOBLE WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	29	37	37	36	34	33	15	50	13	19	19	19	15	29	13	19	19	15							
2587	4 DUXTON CT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	34	42	42	41	39	38	37	45	45	44	42	41	29	59	27	33	33	33	29	38	28	33	34	29							
2588	18 MINSTREL PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	32	40	40	39	37	36	32	63	30	36	36	31	42	30	35	36	31	31							
2589	6 TURNBERRY WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	9	17	17	16	15	13	13	21	21	20	18	17	23	58	22	27	27	23	37	22	27	27	23								
2590	78 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	21	19	27	27	26	25	23	31	64	30	35	35	31	44	30	35	35	31	31							
2591	30 KNOX PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	23	31	31	30	28	27	50	80	48	53	54	53	49	60	48	53	54	50							
2592	22 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	24	31	32	31	29	27	36	66	35	40	41	40	37	45	36	41	42	38							
2593	14 PONSFORD AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	41	49	49	48	46	45	40	48	48	47	45	44	19	53	17	23	23	22	19	33	17	23	23	19							
2594	42 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	25	31	39	39	38	36	34	34	66	33	38	38	38	34	46	33	38	38	34							
2595	1 MOUNT SCOTT WAY, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	15	23	23	22	20	19	18	52	16	22	22	21	18	31	16	22	22	18							
2597	11 HIGHGATE CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	34	41	42	41	39	37	38	70	36	42	42	42	38	50	37	42	43	38							
2599	16 LIMESTONE RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	35	43	43	42	40	39	34	42	42	41	39	38	17	51	16	21	21	21	13	31	12	17	17	13							
2600	10 KUMBATINE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	27	35	35	34	33	31	33	64	32	37	38	37	34	43	33	38	38	34							
2603	7 WARRAWEE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	18	16	18	26	26	25	23	21	12	46	10	16	16	16	12	26	11	16	17	13							
2604	10 PALMERSTONE PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	28	36	36	35	34	32	30	61	29	34	34	34	31	40	30	35	35	31							
2605	4 LIBERTY WAY, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	24	32	32	31	30	28	28	63	27	32	33	32	29	42	28	33	34	30							
2606	10 WERAKATA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	32	40	40	39	37	36	29	59	27	32	33	32	29	39	28	33	33	29							
2608	1 EUCALYPTUS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	32	40	40	39	37	36	32	39	40	39	37	35	17	52	15	20	21	20	14	32	13	18	18	14							
2609	12 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	28	36	36	35	33	31	31	39	39	38	36	34	22	57	20	26	26	22	36	20	26	26	22								
2610	13 EUCALYPTUS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	32	40	40	39	37	36	31	39	39	38	36	35	18	53	17	22	22	22	16	32	14	19	20	16							
2612	8 JERVIS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	15	13	10	18	18	17	15	14	11	44	10	15	15	15	12	24	10	16	16	12							
2613	3 NURSERY PL, BOX HILL NSW 2765	Residential	2	44	39	39	35	23	31	31	30	28	26	26	34	34	33	31	30	9	47	7	13	13	9	26	7	12	13	9								
2615	5 EUCALYPTUS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	32	40	40	39	37	36	31	39	39	38	36	35	16	52	15	20	20	20	14	31	12	18	18	14							
2616	107 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	38	36	33	41	41	40	38	37	23	57	22	27	28	27	23	36	21	27	27	23							
2618	31 THE WATER LANE, BOX HILL NSW 2765	Residential	1	51	46	44	35	31	39	39	38	36	35	30	38	38	37	35	34	21	55	20	25	25	21	34	20	25	25	21								
2619	18 RAMORNIE DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	14	22	22	21	19	18	16	49	14	20	20	19	16	29	15	20	20	16							
2620	4 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	15	13	16	24	24	23	21	20	32	63	31	36	36	33	42	32	37	38	34								
2621	36 MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	16	24	24	23	21	20	21	55	20	25	25	21	35	20	25	25	21								
2622	39 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	44	52	52	51	49	48	49	56	57	56	54	52	24	57	23	28	28	24	37	23	28	28	24								
2623	19 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	38	37	37	45	45	44	42	41	17	51	15	20	21	20	17	31	15	20	21	17							
2624	3 KURNELL PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	20	28	28	27	25	24	21	55	20	25	25	21	35	20	25	25	21								
2626	12 MCGILVRAV PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	27	35	35	34	32	31	36	44	44	43	42	40	19	51	18	23	24	23	19	31	18	23	24	19							
2627	10 TIANIE PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	33	31	39	39	38	36	35	41	72	40	45	45	41	51	40	45	45	41								
2628	14 PARAMOUNT CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	34	32	40	40	39	37	36	40	70	38	44	44	43	40	50	38	43	44	40							
2629	19 MINDARIBBA AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	31	39	39	38	36	35	54	82	53	58	59	58	54	62	53	58	59	54							
2630	16 WATERGUM CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	28	27	24	32	32	31	29	28	23	56	22	27	27	27	23	35	22	27	27	23							
2631	19 BARDSLEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	25	33	33	32	30	29	29	37	37	36	34	32	19	53	17	23	23	22	19	33	17	23	23	19							
2632	76 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	27	34	35	34	32	30	64	29	34	35	34	31	44	30	35	35	31								
2633	9 WEEROONA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	37	45	45	44	42	41	42	50	50	49	47	45	30	63	29	34	35	34	31	43	30	35</									

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level																				Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)											
				Standard hours	Outside standard hours			WRRF					Lot 96					SP1022				SP1022 with mitigation													
					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS07	CS08	CS09	CS10	CS01	CS07	CS08	CS09	CS10						
2651	21 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	22	23	31	31	30	28	27	29	62	27	32	33	32	29	41	28	33	33	29				
2652	14 RAMORNIJE DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	35	33	32	29	37	37	36	34	33	31	62	30	35	36	35	32	42	30	36	36	32					
2653	23 LIMESTONE RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	34	42	42	41	39	38	33	41	41	40	38	37	16	51	15	20	20	14	31	13	18	18	14					
2654	5 YELLOWGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	35	34	42	42	41	39	38	25	58	24	29	29	29	25	37	23	29	29	25				
2656	16 GREEN HILLS DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	24	32	32	31	29	28	25	33	33	32	30	29	22	56	20	25	26	25	22	35	20	25	26	22				
2657	31 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	34	41	49	49	48	46	44	27	58	25	31	31	27	37	26	31	31	27					
2659	27 MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	24	27	35	35	34	32	31	29	63	27	33	33	33	29	42	28	33	33	29				
2660	18 WELLGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	22	30	30	29	27	26	29	62	27	33	33	33	29	41	27	33	33	29				
2661	13 FARMINGTON ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	26	34	34	33	31	30	30	38	38	37	35	34	13	49	12	17	17	17	12	28	10	16	16	12				
2662	60 GREENSBOROUGH AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	38	36	35	43	43	42	40	39	31	63	29	35	35	35	31	43	29	35	35	31				
2663	10 DUXTON CT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	30	29	37	37	36	34	33	29	62	28	33	33	33	30	42	29	34	34	30				
2664	56 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	33	41	41	40	38	37	35	43	43	42	40	39	36	69	34	40	40	39	36	48	34	39	40	36				
2665	133 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	34	34	42	42	41	39	38	26	59	24	30	30	30	26	39	24	30	30	26				
2666	4 GROUT PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	38	46	46	45	43	41	23	31	31	30	28	27	17	52	16	21	21	21	17	31	15	21	21	17				
2667	81 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	19	27	27	26	24	23	20	27	27	27	25	23	18	50	17	22	23	22	17	29	16	21	22	18				
2668	5 WERAKATA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	19	27	27	26	24	23	14	49	13	18	18	18	14	29	13	18	18	14				
2669	5 MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	21	19	20	28	28	27	25	24	39	69	38	43	43	40	48	38	44	44	40					
2671	29 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	31	30	38	38	37	35	33	31	64	29	34	35	34	30	43	29	34	35	31				
2672	3 MACKAY WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	35	16	24	24	23	22	20	14	48	13	18	18	18	14	27	12	18	18	14				
2674	99B GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	23	31	31	30	28	27	29	62	28	33	33	33	31	41	30	35	35	31				
2675	10 BERKELEY GR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	15	23	23	22	20	18	15	48	13	19	19	18	16	28	14	19	20	16				
2676	5 CELIA RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	24	32	32	31	29	28	13	47	11	17	17	17	14	27	12	17	18	14				
2677	9 COCOPARRA CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	20	18	18	26	26	25	24	22	21	56	19	25	25	24	21	35	19	25	25	21				
2678	42 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	27	35	35	34	32	31	32	66	31	36	37	36	34	46	33	38	38	34				
2679	26 WELLGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	15	14	11	19	19	18	17	15	19	53	18	23	23	23	21	32	19	25	25	21				
2680	47 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	16	24	24	23	21	19	31	62	30	35	35	35	31	41	30	35	35	31				
2681	5 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	29	34	42	42	41	40	38	28	61	26	31	32	31	28	40	27	32	32	28				
2682	10 NOBLE WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	25	33	33	32	30	28	23	31	31	30	28	27	16	50	14	20	20	19	16	29	14	20	20	16				
2683	124 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	25	33	33	32	30	29	32	40	40	39	37	36	20	52	19	24	24	24	20	32	19	24	24	20				
2684	16 MCGILVRAY PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	35	38	46	46	45	43	42	18	51	17	22	23	22	18	31	17	22	23	18				
2685	28 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	29	37	37	36	34	32	42	71	41	46	46	46	42	51	41	46	46	42				
2686	33 MONARCH CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	14	22	22	21	19	18	50	79	49	54	54	50	58	49	54	54	50	24				
2687	16 YELLOWGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	21	29	29	28	26	25	27	35	35	34	33	31	24	58	23	28	28	28	23	38	22	27	28	24				
2688	7 DONEGAL PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	20	28	28	27	26	24	36	67	34	40	40	40	36	47	35	40	41	36				
2689	19 MAYFAIR AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	23	31	31	30	28	27	31	64	29	35	35	35	31	43	30	35	35	31				
2691	99 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	23	31	31	30	28	27	24	57	23	28	29	28	24	37	23	28	29	25				
2692	20 KINDILEN CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	31	39	39	38	36	35	39	72	37	43	43	43	38	51	37	42	42	38				
2693	21 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	35	43	43	42	41	39	38	46	46	45	43	41	33	65	32	37	38	37	33	44	32	37	37	33				
2694	3 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	19	27	27	26	24	22	22	30	30	29	27	26	19	54	17	23	23	23	19	33	17	23	23	19				
2695	79 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	20	28	28	27	25	24	28	60	26	31	32	31	28	40	27	32	33	28				
2696	98 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	41	49	49	48	46	44	35	43	43	42	40	39	16	47	14	19	20	19	16	27	14	19	20	16				
2697	4 WARRUMBUNGLE CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	18	25	26	25	23	21	34	64	33	38	39	38	35	43	34	39	40	36				
2698	11 BARAKEE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	14	22	22	21	19	18	11	44	9	15	15	15	12	24	10	16	16	12				
2699	32 HIGHGATE CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	27	34	35	34	32	30	33	67	31	37	37	37	33	47	32	37	38	34				
2700	21 COCOPARRA CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	11	19	19	18	16	15	25	58	23	29	29	29	25	37	23	29	29	25				
2701	11 SPOTTEDGUM PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	38	46	46	45	43	41	35	43	43	42	40	39	17	51	16	21	21	21	17	31	16	21	21	17				
2702	76 BLADENSBURG RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	33	41	41	40	38	37	25	58	23	29	29	29	25	38	23	29	29	25				
2703	3 NEEDLEWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	35	34	42	42	41	39	38	26	60	25	30	30	30	26	39	25	30	30	26				
2704	8 ROSS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	24	32	32	31	29	28	13	46	11	17												

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level																				Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)															
				Standard hours	Outside standard hours			WRRF						Lot 96						SP1022				SP1022 with mitigation															
					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS02	CS07	CS08	CS09	CS10								
2723	27 GREYGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	38	37	35	43	43	42	40	39	22	56	20	26	26	26	22	35	20	26	26	22								
2724	21 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	27	26	33	34	33	31	29	41	75	39	45	45	45	41	54	39	44	45	41								
2725	88 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	24	32	32	31	29	28	22	30	30	29	27	26	22	56	20	25	26	25	21	36	20	25	25	21								
2726	19 WICKLOW PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	39	47	47	46	44	43	44	52	52	51	49	48	23	54	21	27	27	27	23	33	21	27	27	23								
2727	34 ABERDOUR AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	22	30	30	29	27	26	29	37	37	36	35	33	15	46	14	19	19	15	26	14	19	19	15									
2728	10 CONNOR PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	27	27	35	34	32	31	46	77	44	50	50	50	46	57	44	50	50	46									
2729	15 GREYGUM AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	29	37	37	36	34	32	25	32	33	32	30	28	22	56	21	26	27	26	22	35	21	26	27	22								
2730	15 TIANIE PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	25	24	32	32	31	29	28	33	66	32	37	37	37	33	45	32	37	37	33								
2731	14 AUGUSTA CT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	28	36	36	35	33	32	33	40	41	40	38	36	25	60	24	29	30	29	25	39	24	29	30	25								
2732	12 WELFORD CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	30	28	36	36	35	33	32	15	48	14	19	20	19	15	27	14	19	20	16								
2733	12 GREEN HILLS DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	24	32	32	31	29	28	24	32	32	31	30	28	20	55	18	24	24	24	20	34	18	24	24	20								
2734	7 COACHWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	28	36	36	35	33	32	31	39	39	38	36	35	30	63	28	34	34	33	30	43	28	34	34	30								
2735	5 SPOFFORTH AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	30	38	38	37	36	34	29	37	37	36	34	32	17	51	16	21	21	17	30	16	21	21	17									
2737	4 BERKELEY GR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	17	25	25	24	22	21	16	50	14	20	20	16	30	15	20	21	17									
2738	9 SANDLEWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	17	25	25	24	22	21	31	39	39	38	36	35	30	64	28	34	34	34	30	43	28	34	34	30								
2740	20 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	15	14	22	22	21	19	18	23	57	22	27	28	27	25	36	23	28	29	25								
2741	13 MACKAY WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	25	24	19	27	27	26	24	23	18	52	16	22	22	21	18	31	16	22	22	18								
2742	13 COCOPARRA CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	15	11	19	19	18	16	15	16	52	15	20	20	16	32	15	20	21	17									
2743	15 BRUCE PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	24	32	32	31	29	28	28	59	27	32	33	32	30	39	28	33	34	30								
2744	77 KUMBATINE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	9	17	17	16	14	12	10	18	18	17	15	13	34	64	32	38	38	37	34	43	33	38	38	34								
2745	7 REDBUSH CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	28	36	36	35	33	32	30	38	38	37	36	34	31	64	29	35	35	34	31	43	29	35	35	31								
2746	14 WICKLOW PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	31	34	42	42	41	39	38	27	58	26	31	32	31	27	37	26	31	32	27								
2747	316 ANNANGROVE RD, ROUSE HILL NSW 2155	Commercial/Business	2	70	70	70	70	36	44	44	43	41	39	37	45	45	44	42	41	23	57	21	26	27	26	23	36	21	26	27	23								
2748	29 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	34	33	41	41	40	38	37	38	72	37	42	43	42	38	52	36	41	42	38								
2749	80 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	25	24	31	39	39	38	36	35	18	53	17	22	22	22	18	33	17	22	22	18								
2750	6 KINDILEN CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	19	27	27	26	24	23	54	83	52	58	58	58	52	62	50	56	56	52								
2754	11 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	24	32	32	31	29	27	29	63	27	33	33	33	29	42	27	33	33	29								
2755	18 BRUSHWOOD RD, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	35	43	43	42	40	38	26	60	25	30	31	30	26	40	25	30	31	26								
2756	31 MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	27	35	35	34	32	31	29	63	27	33	33	33	29	42	28	33	33	29								
2757	6 OAKMONT WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	10	18	18	17	15	13	20	28	28	27	25	24	30	64	29	34	35	34	30	43	29	34	35	31								
2758	79 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	7	15	15	14	12	11	16	23	24	23	21	19	26	59	25	30	30	30	28	38	27	32	32	28								
2759	2 MILE END RD, ROUSE HILL NSW 2155	Industrial/Utilities	2	70	70	70	70	38	46	46	45	43	41	49	57	57	56	54	53	33	66	31	37	37	36	30	45	29	34	34	30								
2760	19 MORRISEY WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	14	22	22	21	19	18	17	49	15	21	21	20	17	28	16	21	22	18								
2761	27 WARRABAH RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	24	32	32	31	29	28	34	65	33	38	38	38	35	44	34	39	39	35								
2762	34 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	44	52	52	51	49	48	45	53	53	52	50	49	16	50	15	20	21	20	16	30	15	20	20	16								
2763	7 BROOKHAVEN ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	29	37	37	36	34	33	29	37	37	36	34	33	13	48	12	17	17	17	11	27	10	15	15	11								
2764	33 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	30	38	38	37	35	33	37	67	35	41	41	41	37	47	35	41	41	37								
2765	19 TALLAGANDA ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	20	28	28	27	25	24	32	62	30	36	36	36	32	41	30	36	36	32								
2766	3 BROOKHAVEN ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	28	36	36	35	33	32	28	36	36	35	33	32	18	48	17	22	22	22	12	27	11	16	16	12								
2767	29 TIMBERCREST ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	35	43	43	42	40	39	34	42	42	41	39	38	26	57	24	30	30	29	24	37	23	28	29	25								
2768	24 CELIA RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	17	14	22	22	21	19	18	18	53	17	22	22	22	18	32	17	22	22	18								
2769	49 HILLVIEW RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	30	38	38	37	35	34	32	64	30	36	36	36	33	44	32	37	37	33								
2770	11 AUGUSTA CT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	28	27	29	37	37	36	34	33	26	60	25	30	31	30	26	39	25	30	30	26								
2771	13 KURNELL PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	32	40	40	39	37	35	12	47	11	16	16	16	13	26	12	17	18	13								
2772	UNIT 7 589 WITHERS RD, ROUSE HILL NSW 2155	Industrial/Utilities	2	70	70	70	70	23	31	31	30	28	26	25	32	33	32	30	28	26	61	25	30	30	30	26	40	25	30	30	26								
2773	33 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	46	54	54	53	51	49	46	54	54	53	51	50	14	48	13	18	18	18	14	27	13	18	18	14								
2774	4 YORLIN PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	34	42	42	41	39	38	38	46	46	45	43	42	26	58	25	30	30	30	26	37	25	30	30	26								
2775	7 CHEVRON PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	15	23	23	22	20	19	26	59	24	30	30	29	26	39	24	30	30	26								
2776	36 KUMBATINE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	29	37	37	36	34	33	34	65	33																	

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				Standard hours	Outside standard hours			WRRF						Lot 96						SP1022						SP1022 with mitigation									
					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10				
2797	42 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	36	44	44	43	41	40	22	53	21	26	26	26	23	33	22	27	27	23				
2798	12 MAYFAIR AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	29	31	39	39	38	36	35	36	67	34	40	40	40	34	47	33	38	38	34				
2799	4 HERMITAGE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	16	23	24	23	21	19	22	56	21	26	26	26	22	35	21	26	26	22				
2800	37 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	25	33	33	32	30	29	28	62	27	32	32	32	29	41	28	33	33	29				
2801	22 WEEROONA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	39	47	47	46	44	43	47	55	55	54	52	51	27	61	25	31	31	30	28	40	27	32	32	28				
2802	13 BROOKHAVEN ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	26	34	34	33	32	30	29	36	37	36	34	32	14	49	13	18	18	18	11	29	10	15	11	11				
2803	15 AUGUSTA CT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	23	31	31	30	28	27	27	35	35	34	32	31	22	57	21	26	26	26	22	36	21	26	26	22				
2804	4 HARVARD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	20	28	28	27	25	24	20	52	19	24	24	24	21	31	20	25	25	21				
2805	34 WATHEROO ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	21	28	29	28	26	24	25	59	24	29	30	29	26	39	25	30	31	27				
2806	16/593 WITHERS RD, ROUSE HILL NSW 2155	Industrial/Utilities	2	70	70	70	70	53	61	61	60	58	56	53	61	61	60	58	57	30	63	28	33	34	33	29	42	27	33	33	29				
2807	27 NELSON RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	31	39	39	38	36	34	30	38	38	37	35	34	15	50	14	19	19	19	15	29	13	19	19	15				
2808	21 WEEROONA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	39	47	47	46	44	43	29	62	28	33	33	33	29	41	28	33	34	30				
2810	5 REGIS GR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	28	35	36	35	33	31	18	52	17	22	22	22	20	31	19	24	24	20				
2811	7 WILLANDRA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	17	20	28	28	27	25	24	24	58	23	28	28	28	25	38	24	29	29	25				
2812	25 LIMESTONE RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	34	42	42	41	39	37	33	41	41	40	38	37	20	54	18	24	24	24	14	33	12	18	18	14				
2813	18 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	17	25	25	24	22	21	33	65	32	37	37	37	35	45	34	39	39	35				
2814	28 HIGHGATE CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	30	38	38	37	36	34	38	70	36	42	42	41	39	50	38	43	43	39				
2815	12 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	34	33	41	41	40	38	37	49	77	47	53	53	47	57	46	51	52	48	48				
2816	4 MAYFAIR AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	34	32	39	40	39	37	35	42	71	40	46	46	46	42	51	41	46	46	42				
2818	35 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	29	37	37	36	34	33	38	69	36	41	42	41	38	48	36	41	42	38				
2820	36 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	5	13	13	12	10	9	6	14	14	13	11	10	30	61	28	34	34	34	31	40	30	35	35	31				
2821	20 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	23	31	31	30	28	27	35	68	34	39	40	39	35	48	34	39	40	36				
2822	2/29 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	29	29	37	37	36	34	33	29	61	27	32	33	32	27	40	26	31	32	28				
2823	10 SPOTTEDGUM PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	48	56	56	55	53	52	29	37	37	36	34	33	16	50	14	20	20	19	16	30	14	20	20	16				
2825	8 BLADENSBURG RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	15	14	13	21	21	20	18	17	27	57	26	31	31	31	27	37	26	31	31	27				
2826	2 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	14	22	22	21	20	18	17	25	25	24	22	21	57	85	56	61	61	61	56	65	55	60	60	56				
2827	7 CORNELL CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	19	19	27	27	26	24	23	17	51	16	21	21	18	30	17	22	22	18					
2828	16 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	28	36	36	35	33	32	29	62	28	33	33	33	31	41	29	34	35	31				
2829	2 CAPITAL PL, ROUSE HILL NSW 2155	Industrial/Utilities	1	70	70	70	70	37	45	45	44	42	41	39	47	47	46	44	43	27	60	25	31	31	31	27	39	25	31	31	27				
2830	3 CAPITAL PL, ROUSE HILL NSW 2155	Industrial/Utilities	1	70	70	70	70	35	43	43	42	40	39	35	43	43	42	40	39	25	59	24	29	30	29	22	38	21	26	27	22				
2831	27 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	25	33	33	32	30	29	28	36	36	35	33	31	26	59	24	30	30	29	26	39	24	30	30	26				
2832	58 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	34	42	42	41	39	37	32	40	40	39	37	36	18	53	17	22	23	22	18	33	17	22	23	19				
2833	4 MOUNT SCOTT WAY, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	15	12	20	20	19	17	16	15	50	14	19	19	19	15	30	14	19	19	15				
2834	107 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	35	43	43	42	40	39	36	44	44	43	41	40	23	54	21	27	27	26	23	34	21	27	27	23				
2835	54 BLADENSBURG RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	18	16	14	22	22	21	20	18	23	56	21	27	27	27	23	35	21	27	27	23				
2836	36 GREENSBOROUGH AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	25	24	24	32	32	31	29	28	27	60	26	31	31	31	27	39	26	31	31	27				
2837	148 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	32	40	40	39	37	36	15	50	14	19	19	19	15	30	14	19	19	15				
2838	5 HOMEVALE PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	8	16	16	15	13	12	9	17	17	16	14	13	15	50	13	18	19	18	15	29	13	18	19	15				
2839	129 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	37	45	45	44	42	40	39	47	47	46	44	43	23	57	22	27	27	27	23	36	22	27	27	23				
2840	101 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	38	37	41	49	49	48	46	45	22	57	21	26	27	26	22	36	21	26	26	22				
2841	5 NEST HILL APP, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	18	26	26	25	23	22	22	53	21	26	27	26	22	33	21	26	27	23				
2843	31 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	43	51	51	50	48	47	46	54	54	53	51	50	19	54	18	23	23	18	34	17	22	22	18					
2844	10 PELLIGRINO GR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	20	28	28	27	25	24	18	52	16	22	22	21	18	31	17	22	22	18				
2845	11 MAILEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	27	35	35	34	32	31	26	34	34	33	31	30	15	49	13	19	19	18	15	28	13	19	19	15				
2846	6 ROSS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	17	25	25	24	22	21	16	51	15	20	20	17	30	15	21	21	17					
2847	24 KINDILEN CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	29	29	36	37	36	34	32	42	75	41	46	47	46	42	55	41	46	47	43				
2849	25 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	29	30	37	38	37	35	33	44	76	43	48	48	48	43	55	42	47	47	43				
2850	7 BULB WAY, BOX HILL NSW 2765	Residential	2	44	39	39	35	16	24	24	23	21	20	29	37	37	36	34	33	9	45	8	13	13	13	9	24	8	13	13	9				
2851	15 EMPRESS AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	20	27	27	25	23	19	53	18	23													

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level																				Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)											
				Standard hours	Outside standard hours			WRRF					Lot 96					SP1022				SP1022 with mitigation													
					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS07	CS08	CS09	CS10					
2872	131 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	29	26	34	34	33	31	30	21	55	20	25	25	25	21	34	20	25	25	21				
2873	9 DALTON CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	35	43	43	42	40	39	47	55	55	54	52	51	22	55	21	26	27	26	23	34	22	27	28	24				
2874	269 ANNANGROVE RD, ROUSE HILL NSW 2155	Commercial/Business	2	70	70	70	70	35	43	43	42	40	39	34	42	41	39	38	24	57	23	28	28	28	24	37	23	28	28	24					
2875	9 PLEASANCE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	34	42	42	41	39	38	33	41	41	40	38	37	16	52	14	20	20	20	15	31	13	18	19	15				
2876	17 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	35	43	43	42	40	39	37	45	45	44	42	41	30	60	29	34	34	30	39	29	34	35	31					
2877	62 WELLGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	23	21	18	26	26	25	23	22	26	58	24	30	30	27	37	25	31	31	27					
2878	19 HYATT CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	22	30	30	29	27	26	25	58	24	29	29	29	26	37	24	29	30	26				
2881	5 TALLAGANDA ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	22	30	30	29	27	25	32	63	31	36	36	33	42	32	37	37	33					
2882	7 TURNBERRY WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	20	28	28	27	25	24	22	29	30	29	27	25	21	56	20	25	26	25	21	35	20	25	26	22				
2883	316 ANNANGROVE RD, ROUSE HILL NSW 2155	Commercial/Business	2	70	70	70	70	35	43	43	42	40	39	42	50	50	49	47	46	20	55	19	24	24	21	35	20	25	25	21					
2884	7 SHANNON ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	28	36	36	35	33	32	37	67	35	40	41	40	38	46	36	41	42	38				
2885	17 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	26	27	34	35	34	32	30	38	69	36	42	42	41	37	48	36	41	42	38				
2886	80 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	23	31	31	30	29	27	30	38	38	37	35	34	27	57	25	31	31	27	37	26	31	31	27					
2887	18 WARRUMBUNGE CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	24	32	32	31	29	28	27	60	26	31	31	28	39	27	32	33	28					
2888	67 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	23	31	31	30	28	27	31	62	29	35	35	31	41	29	35	35	31					
2889	44 LIMESTONE RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	33	41	41	40	38	37	32	40	40	39	37	36	18	52	16	22	22	21	14	31	12	18	18	14				
2890	3 DUXTON CT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	33	41	41	40	38	37	26	57	24	30	30	27	36	26	31	31	27					
2891	15 DENNON CT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	20	28	28	27	25	24	34	65	33	38	38	38	34	44	33	38	38	34				
2892	21-21A MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	24	22	23	31	31	30	28	27	29	63	28	33	33	33	30	42	29	34	34	30				
2893	18 COACHWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	19	27	27	26	24	23	35	43	43	42	40	39	25	59	24	29	29	25	38	24	29	29	25					
2894	12 PARAMOUNT CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	15	22	23	22	20	18	34	66	33	38	38	38	34	46	33	38	38	34				
2895	12 LIMESTONE RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	31	39	39	38	36	35	32	40	40	39	37	36	14	50	12	18	18	18	11	29	10	15	16	12				
2896	5 TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	22	28	35	36	35	33	31	34	64	32	38	38	38	35	43	33	39	39	35				
2897	90 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	27	35	35	34	32	30	33	63	31	36	37	36	33	42	31	37	37	33				
2899	14 DECK WAY, BOX HILL NSW 2765	Residential	2	44	39	39	35	36	44	44	43	41	40	35	43	43	42	40	39	24	58	23	28	28	28	24	37	23	28	28	24				
2901	14 TURNBERRY WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	31	30	31	39	39	38	36	35	29	63	28	33	34	33	29	43	28	33	34	30				
2903	8 GRIMMETT AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	34	42	42	41	39	38	26	34	34	33	31	30	17	50	15	20	21	17	29	15	20	21	17					
2904	4 BROOKHAVEN ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	29	37	37	36	35	33	31	39	39	38	36	35	13	48	12	17	17	17	12	28	10	16	16	12				
2905	19 WEEEROONA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	38	46	46	45	43	42	42	49	50	49	47	45	30	63	29	34	34	30	42	29	34	34	30					
2906	3 CAPITAL PL, ROUSE HILL NSW 2155	Industrial/Utilities	1	70	70	70	70	36	44	44	43	41	40	35	43	43	42	40	39	17	53	16	21	21	17	32	15	21	21	17					
2907	77 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	31	29	30	38	38	37	35	34	27	58	26	31	32	31	27	38	26	31	32	28				
2909	1 GROUT PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	38	46	46	45	44	42	40	48	48	47	45	44	16	50	15	20	21	16	29	15	20	21	16					
2911	7 EXPEDITION ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	21	29	29	28	26	25	35	65	34	39	39	35	45	34	39	39	35					
2912	30 RIVERGUM WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	39	37	34	42	42	41	39	38	27	60	26	31	31	27	40	25	31	31	27					
2913	16 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	32	40	40	39	37	36	28	58	26	32	32	28	37	26	32	32	28					
2915	5 BILLABONG PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	26	24	22	30	30	29	27	25	51	80	50	55	55	55	51	59	50	55	55	51				
2916	19 MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	25	23	25	32	33	32	30	28	25	60	24	29	29	29	26	39	24	29	30	26				
2917	5 REDBUSH CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	38	37	35	43	43	42	40	39	31	65	29	35	35	35	31	44	29	35	35	31				
2918	23 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	31	30	31	38	38	36	34	20	55	19	24	24	24	20	34	19	24	24	20					
2919	6 WILLANDRA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	17	15	15	23	23	22	20	19	22	57	20	26	26	23	36	21	27	27	23					
2921	39 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	27	26	34	34	33	31	30	28	61	26	32	32	32	29	41	28	33	33	29				
2922	21 MORRISEY WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	23	21	20	28	28	27	25	24	19	54	17	23	23	19	33	17	23	23	19					
2923	12A CHAELUNDI CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	18	26	26	25	23	22	31	64	29	35	35	35	31	43	29	35	35	31				
2924	15 SARABAH ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	20	24	32	32	31	30	28	29	60	28	33	34	33	30	39	29	34	35	31				
2925	10 HOPKINS CT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	25	33	33	32	30	29	60	25	31	31	31	27	40	26	31	31	27					
2926	15 LIBERTY WAY, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	22	30	30	29	28	26	29	62	27	33	33	32	30	41	29	34	34	30				
2927	14 WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	24	22	17	25	25	24	22	21	27	59	26	31	31	27	39	26	31	31	27					
2928	9 AUGUSTA CT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	18	26	26	25	23	22	23	31	31	30	28	27	24	58	22	27	28	27	24	38	22	27	28	24				
2929	40 CLOVER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	16	24	24	23	21	20	18	26	26	25	23	21	20	52	19	24	24	20	32	19	24	24	20					
2930	30 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35																												

Receiver ID	Address	Land use	Noise Catchment Area	Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																											
				Noise Management Level				WRRF												Lot 96				SP1022				SP1022 with mitigation			
				Standard hours	Outside standard hours			CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10	
2947	134 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	18	26	26	25	24	22	32	40	40	39	37	36	24	57	23	28	28	28	24	36	23	28	28	24
2948	37 WARRABAH RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	29	36	37	36	34	32	34	64	32	37	38	37	35	44	33	38	39	35
2949	25 MAYFAIR AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	35	33	31	39	39	38	36	35	38	69	36	42	42	42	38	48	36	42	42	38
2950	1 WATERGUM CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	33	41	41	40	38	37	30	63	29	34	34	34	30	43	29	34	34	30
2952	16 HARVARD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	23	31	31	30	29	27	20	52	19	24	24	24	20	31	19	24	25	20
2953	7 GROUT PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	38	46	46	45	43	42	37	45	45	44	42	41	17	49	15	20	21	20	16	28	15	20	21	17
2954	10 CORNELL CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	22	30	30	29	27	26	16	50	15	20	20	20	17	29	16	21	21	17
2955	9 RIVERGUM WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	31	30	27	35	35	34	32	31	24	58	23	28	29	28	24	37	23	28	29	24
2957	1 CONNOR PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	33	41	41	40	38	37	34	42	42	41	39	38	33	65	32	37	37	37	33	44	32	37	37	33
2958	93 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	23	30	31	30	28	26	23	57	22	27	28	27	25	37	23	29	29	25
2959	26 WATTLE RIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	18	16	24	24	23	21	19	28	60	27	32	32	32	28	40	27	32	32	28
2960	11 SANDLEWOOD CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	15	23	23	22	21	19	19	27	27	26	24	23	30	64	29	34	35	34	30	43	29	34	35	30
2961	27 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	35	43	43	42	41	39	43	51	51	50	48	47	26	57	25	30	31	30	26	37	25	30	31	27
2962	5 MARYLAND ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	21	29	29	28	27	25	33	64	31	37	37	37	33	43	31	37	37	33
2963	4 WATERGUM CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	28	36	36	35	33	32	31	39	39	38	36	35	33	66	31	36	37	36	33	45	31	36	37	33
2965	8 SHANNON ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	16	16	23	24	23	21	19	24	58	22	27	28	27	24	37	23	28	28	24
2966	28 RIVERGUM WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	34	42	42	41	39	38	34	42	42	41	39	38	28	62	26	32	32	31	27	41	26	31	31	27
2967	26 MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	22	30	30	29	27	26	28	36	36	35	33	32	29	63	27	33	33	33	29	42	28	33	33	29
2968	38 BLADENSBURG RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	16	24	24	23	22	20	36	65	34	39	40	39	36	45	35	40	40	36
2969	15 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	34	42	42	41	39	37	35	43	43	42	40	39	31	64	30	35	35	35	30	43	29	34	35	31
2970	17 FARMINGTON ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	30	38	38	37	35	34	31	39	39	38	37	35	14	50	13	18	18	18	14	30	13	18	18	14
2971	8 STREAMDALE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	18	26	26	25	23	22	24	32	32	31	29	27	8	42	7	12	12	12	7	21	6	11	11	7
2972	3 BARNES PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	31	30	25	33	33	32	30	29	19	53	17	23	23	23	19	33	17	23	23	19
2973	14 EXPEDITION ST, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	21	17	25	25	24	23	21	19	53	17	23	23	23	19	32	17	23	23	19
2974	12 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	31	39	39	38	36	35	42	74	41	46	46	46	42	53	41	46	46	42
2976	45 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	15	23	23	22	20	19	34	66	32	38	38	38	36	45	34	40	40	36
2977	126 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	27	35	35	34	32	31	30	38	38	37	35	34	22	55	21	26	27	26	22	35	21	26	27	22
2979	6 RAVENSBOURNE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	18	26	26	25	23	22	26	58	24	30	30	30	26	38	25	30	31	27
2980	90 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	23	31	31	30	28	27	31	64	29	35	35	35	31	43	29	35	35	31
2981	6 SCRIBBLYGUM CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	21	29	29	28	26	25	22	30	30	29	27	26	21	53	19	25	25	25	21	33	19	25	25	21
2982	7 SCRIBBLYGUM CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	31	39	39	38	36	35	34	42	42	41	39	38	23	57	22	27	27	27	23	36	22	27	27	23
2983	8A WATTLE RIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	28	36	36	35	33	32	18	53	17	22	23	22	18	32	17	22	23	19
2984	14 SCRIBBLYGUM CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	21	29	29	28	26	25	21	29	29	28	26	25	22	55	21	26	26	26	22	34	21	26	26	22
2985	27 CELIA RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	21	19	17	25	25	24	22	21	16	50	15	20	20	20	16	30	15	20	20	16
2986	2 CELIA RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	30	32	40	40	39	37	36	16	51	15	20	20	20	16	30	15	20	20	16	
2988	19 BRUSHWOOD DR, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	18	26	26	25	23	22	36	44	44	43	41	39	32	66	31	36	36	36	32	45	31	36	36	32
2989	9 WILLANDRA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	20	18	23	31	31	30	28	27	28	61	27	32	32	32	29	40	28	33	33	29
2990	24 HIGHGATE CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	34	33	41	41	40	38	36	53	81	52	57	57	57	51	61	50	55	55	51
2991	8 MINDARIBBA AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	16	24	24	23	21	20	60	88	58	64	64	64	58	67	56	62	62	58
2994	21 CELIA RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	22	20	18	26	26	25	23	22	22	56	20	26	26	26	22	35	20	26	26	22
2996	3 WATERFLOW ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	26	34	34	33	31	30	27	35	35	34	32	31	15	51	13	19	19	18	10	30	9	14	15	10
2997	24A TIMBARRA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	17	25	25	24	22	21	29	60	28	33	34	33	30	40	29	34	34	30
3000	31 COURSEBROOK ST, BOX HILL NSW 2765	Residential	1	51	46	44	35	24	32	32	31	29	28	23	31	31	30	28	27	10	47	9	14	14	14	10	26	9	14	14	10
3002	7 EUCALYPTUS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	26	34	34	33	31	30	27	34	35	34	32	30	9	46	8	13	13	13	9	25	7	12	13	9
3003	23 MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	23	31	31	30	28	27	33	65	31	36	37	36	32	45	31	36	37	33
3004	16 WARRAWEE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	14	10	18	18	17	16	14	10	45	8	13	14	13	10	24	9	14	15	11
3005	14 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	34	31	39	39	38	37	35	35	68	34	39	40	39	35	48	34	39	40	35
3006	30 WARRAWEE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	19	27	27	26	24	23	25	58	23	29	29	29	25	38	24	29	29	25
3008	14 RAVENSBOURNE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	19	22	30	30	29	27	26	31	62	29	35	35	32	42	30	36			

Receiver ID	Address	Land use	Noise Catchment Area	Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																															
				Noise Management Level				WRRF																Lot 96				SP1022				SP1022 with mitigation			
				Standard hours	Outside standard hours			CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09
3032	17 CHAELUNDI CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	34	42	42	41	39	38	46	74	44	49	50	49	46	54	44	49	50	46				
3033	1 TABLELANDS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	34	42	42	41	39	37	32	40	40	39	37	36	17	53	16	21	21	21	15	32	13	19	19	15				
3035	27 LONGMEADOW PWY, BOX HILL NSW 2765	Residential	2	44	39	39	35	33	41	41	40	38	37	34	42	42	41	39	37	16	51	15	20	20	20	15	30	13	19	19	15				
3036	5 GREYBOX ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	24	32	32	31	29	27	24	32	32	31	29	28	10	46	8	13	14	13	8	26	6	12	12	8				
3037	17 WEERONA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	36	44	44	43	41	40	40	48	48	47	45	44	30	63	29	34	34	31	42	29	35	35	31					
3039	18 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	35	43	43	42	40	39	37	45	45	44	42	41	28	62	27	32	33	32	29	41	28	33	34	30				
3041	10 GREYBOX ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	31	39	39	38	36	34	30	38	38	37	35	34	20	55	19	24	25	24	17	34	16	21	21	17				
3042	3 FINGLETON CL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	30	38	38	37	35	34	28	36	36	35	33	32	17	51	16	21	21	21	17	31	16	21	21	17				
3043	2 JERVIS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	18	26	26	25	23	21	31	61	29	34	35	34	31	41	30	35	35	31				
3044	6 CAPITAL PL, ROUSE HILL NSW 2155	Industrial/Utilities	1	70	70	70	70	22	30	30	29	27	26	28	36	36	35	33	32	13	46	11	16	17	16	13	25	11	16	17	13				
3045	37 EUCALYPTUS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	31	39	39	38	37	35	31	38	38	38	36	34	16	52	14	20	20	20	14	31	13	18	18	14				
3047	18 OUTBACK ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	38	46	46	45	43	41	39	47	47	46	44	43	27	59	26	31	31	31	25	38	24	29	29	25				
3048	16 OUTBACK ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	38	46	46	45	43	41	39	47	47	46	44	43	28	59	26	31	32	31	25	38	24	29	29	25				
3049	50 RAMORNIE DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	27	35	35	34	32	31	33	64	32	37	37	37	33	43	32	37	37	33				
3052	4 RAMORNIE DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	30	38	38	37	35	34	33	64	31	37	37	37	33	43	31	37	37	33				
3053	38 ROSS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	34	31	39	39	38	36	35	27	59	25	31	31	31	27	39	25	31	31	27				
3054	12 LINDWALL PL, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	26	34	34	33	31	30	24	32	32	31	29	28	18	52	16	22	22	22	18	32	16	22	22	18				
3056	GROUND 19/320 ANNANGROVE RD, ROUSE HILL NSW 2155	Commercial/Business	2	70	70	70	70	38	46	46	45	43	41	37	45	45	44	42	41	16	49	14	20	20	20	16	29	14	20	20	16				
3058	4 OUTBACK ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	40	48	48	47	45	43	39	47	47	46	44	43	28	59	27	32	32	32	26	39	25	30	30	26				
3059	20 PALMERSTONE PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	14	12	20	20	19	17	16	22	55	21	26	26	26	23	34	21	27	27	23				
3061	13 CELIA RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	21	29	29	28	26	25	21	55	19	24	25	24	20	34	18	24	24	20				
3062	6 HIGHLANDS WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	29	37	37	36	34	32	20	53	18	23	24	23	20	37	18	24	24	20				
3064	16 NOBLE WAY, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	32	40	40	39	37	36	29	37	37	36	34	32	14	47	12	18	18	18	14	27	12	18	18	14				
3067	6 CHATEAU CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	33	34	41	42	41	39	37	42	73	41	46	47	46	43	52	42	47	47	43				
3068	9 BULB WAY, BOX HILL NSW 2765	Residential	2	44	39	39	35	33	41	41	40	38	37	32	40	40	39	37	36	19	53	18	23	24	23	19	33	18	23	24	20				
3069	42 WARRAWEE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	14	11	18	19	18	16	14	12	47	10	16	16	16	12	26	11	16	17	13				
3070	64 BLADENSBURG RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	17	25	25	24	22	21	27	61	26	31	31	27	40	26	31	31	27					
3071	13 TIMBERCREST ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	33	41	41	40	38	36	36	44	44	43	41	40	28	58	26	32	32	31	25	38	24	29	29	25				
3072	1 WATERFLOW ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	30	38	38	37	35	33	29	37	37	36	34	33	21	55	20	25	25	25	16	34	14	19	20	16				
3073	33 TABLELANDS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	32	40	40	39	37	36	33	41	41	40	38	37	22	56	21	26	26	26	24	35	22	28	28	24				
3074	4A WELLGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	22	23	31	31	30	28	26	31	64	29	34	35	34	31	43	29	34	35	31				
3075	12 MOWBRAY CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	22	22	30	30	29	27	26	31	65	30	35	35	32	44	30	36	36	32					
3077	19 LONGMEADOW PWY, BOX HILL NSW 2765	Residential	2	44	39	39	35	36	44	44	43	41	39	38	46	46	45	43	41	27	59	25	31	31	30	25	38	24	29	29	25				
3078	2 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	25	23	20	28	28	27	26	24	28	63	26	31	32	31	28	43	27	32	32	28				
3079	7 WATERFLOW ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	29	37	37	36	35	33	28	36	36	35	33	32	11	47	9	14	15	14	10	27	8	14	14	10				
3080	2 MILE END RD, ROUSE HILL NSW 2155	Industrial/Utilities	2	70	70	70	70	27	35	35	34	32	31	48	56	56	55	54	52	32	65	31	36	36	36	30	45	29	34	35	30				
3081	44 RAMORNIE DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	9	17	17	16	14	13	12	20	20	19	17	16	31	62	30	35	35	32	41	31	36	36	32					
3082	126 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	15	14	10	17	17	15	13	32	63	31	36	37	36	32	43	31	36	37	33					
3083	119 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	18	26	26	25	23	22	19	53	17	23	23	19	33	17	23	23	19					
3084	97A GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	18	26	26	25	23	22	30	62	28	34	34	34	32	41	31	36	36	32				
3087	119 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	34	42	42	41	39	38	39	47	47	46	44	43	20	54	18	24	24	24	21	34	19	24	25	21				
3088	17 EUCALYPTUS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	20	28	28	27	25	24	19	27	27	26	25	23	8	46	7	12	12	8	25	7	12	12	8					
3089	1 CELIA RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	19	21	29	29	28	26	25	14	47	13	18	18	18	14	27	13	18	18	14				
3091	125 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	31	39	39	38	36	35	37	67	36	41	41	41	39	47	37	43	43	39				
3092	33 LONGMEADOW PWY, BOX HILL NSW 2765	Residential	2	44	39	39	35	28	36	36	35	33	32	29	37	37	36	35	33	12	49	11	16	17	16	12	28	10	16	16	12				
3094	2 WARRUMBUNGLE CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	24	29	37	37	36	34	33	35	64	33	39	39	38	35	44	34	39	39	35				
3095	24 HIGHLANDS WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	21	18	26	26	25	23	22	16	49	15	20	20	17	28	16	21	21	17					
3096	9 WERAKATA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	21	28	29	28	26	24	17	52	15	21	21	21	17	31	15	21	21	17				
3098	62 TABLELANDS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	23	31	31	30	28	27	28	36	36	35	33	32	11	48	9	15	15	15	11	27	9	15	15</					

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level			Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																								
				Standard hours	Outside standard hours			WRRF					Lot 96					SP1022					SP1022 with mitigation								
					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS04	CS05	CS06	CS10	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10	
3212	25 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	23	31	31	30	28	27	25	59	24	29	29	29	26	38	25	30	31	26
3213	19 BUDAWANG AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	34	33	41	41	40	38	37	45	74	44	49	49	49	45	53	44	49	45	
3214	8 PALMERSTONE PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	15	14	10	18	18	17	15	14	29	60	28	33	33	33	29	40	28	33	29	
3216	61 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	32	40	40	39	37	36	34	42	42	41	39	38	34	66	33	38	38	38	34	46	33	38	34	
3217	12 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	34	34	42	42	41	39	38	32	64	31	36	37	36	30	43	29	34	30	
3218	19 CELIA RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	21	19	27	27	26	24	23	21	56	20	25	25	25	21	35	20	25	21	
3219	ROUSE HILL PUBLIC SCHOOL 45-59 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	28	36	36	35	33	32	30	38	38	37	35	34	23	57	22	27	27	27	23	36	22	27	23	
3220	26 WARRAWEE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	15	23	23	22	20	19	16	50	14	20	20	17	30	16	21	21	17	
3222	1 JERVIS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	29	37	37	36	34	33	32	63	30	36	36	35	32	42	31	36	32	
3223	17 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	21	29	29	28	26	25	20	54	19	24	24	24	22	33	21	26	22	
3224	40 RAMORNIE DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	29	27	35	35	34	32	30	18	53	17	22	23	22	18	32	17	22	18	
3225	6/322 ANNANGROVE RD, ROUSE HILL NSW 2155	Commercial/Business	2	70	70	70	70	36	44	44	43	41	40	35	43	43	42	40	39	15	50	14	19	19	15	29	14	19	19	15	
3227	GROUND 17/320 ANNANGROVE RD, ROUSE HILL NSW 2155	Commercial/Business	2	70	70	70	70	26	34	34	33	31	30	31	39	39	38	36	35	14	49	12	17	18	17	14	28	12	17	18	14
3228	9 CHAELUNDI CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	28	33	41	41	40	38	36	42	71	40	46	46	46	42	50	40	46	42	
3230	72 OUTBACK ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	34	42	42	41	39	38	38	46	46	45	43	41	22	56	21	26	26	22	35	21	26	22	22	
3231	39 COURSEBROOK ST, BOX HILL NSW 2765	Residential	1	51	46	44	35	29	37	37	36	35	33	27	35	35	34	32	30	12	48	11	16	16	16	12	28	11	16	16	12
3233	37 LIMESTONE RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	30	38	38	37	35	33	29	37	37	36	34	32	18	52	17	22	22	22	13	32	12	17	13	
3234	53 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	23	31	31	30	28	27	29	60	28	33	33	29	40	28	33	33	29	
3235	20/591 WITHERS RD, ROUSE HILL NSW 2155	Industrial/Utilities	2	70	70	70	70	26	34	34	33	31	30	37	45	45	44	42	41	33	66	32	37	37	37	33	45	32	37	33	
3236	8 RAMORNIE DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	34	33	30	38	38	37	35	34	33	64	31	37	37	37	33	43	31	37	33	
3238	16 GREYBOX ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	28	36	36	35	33	32	27	35	35	34	32	31	19	53	18	23	24	23	19	33	18	23	24	19
3239	3 MONEY CL, ROUSE HILL NSW 2155	Industrial/Utilities	2	70	70	70	70	27	35	35	34	32	31	34	42	42	41	39	38	21	55	19	25	25	25	21	35	20	25	25	21
3240	12 SEED ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	35	43	43	42	40	39	34	42	42	41	39	38	26	58	25	30	31	30	23	38	22	27	28	23
3241	29 COURSEBROOK ST, BOX HILL NSW 2765	Residential	1	51	46	44	35	32	40	40	39	37	35	29	37	37	36	34	33	10	46	8	14	14	13	10	26	8	13	14	10
3242	5 CORNELL CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	21	23	31	31	30	28	27	18	52	16	22	22	22	18	32	17	22	23	18
3245	76A OUTBACK ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	25	33	33	32	30	29	36	43	44	43	41	39	10	46	9	14	14	14	10	25	9	14	15	11
3247	127 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	23	31	31	30	28	27	16	49	15	20	21	20	17	28	16	21	22	17
3248	9 WATERFLOW ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	29	37	37	36	34	33	29	36	37	36	34	32	15	51	14	19	20	19	12	31	10	16	16	12
3249	59 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	24	31	32	31	29	27	32	63	30	36	36	36	32	42	31	36	36	32
3250	12 GREYBOX ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	31	39	39	38	36	34	30	38	38	37	35	34	20	54	18	24	24	24	16	34	14	19	20	16
3251	9 HARVARD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	32	30	26	34	34	33	31	30	20	52	19	24	24	24	20	32	19	24	24	20
3252	27 COURSEBROOK ST, BOX HILL NSW 2765	Residential	1	51	46	44	35	31	39	39	38	36	35	30	38	38	37	35	33	15	51	14	19	19	19	15	31	14	19	19	15
3253	15 LONGMEADOW PWY, BOX HILL NSW 2765	Residential	2	44	39	39	35	25	33	33	32	30	29	26	34	34	33	31	30	12	46	11	16	17	16	11	26	10	15	15	11
3256	3 SEED ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	34	42	42	41	39	38	33	41	41	40	38	37	15	50	14	19	20	19	14	30	13	18	18	14
3257	20 LIMESTONE RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	34	42	42	41	39	38	33	41	41	40	38	37	19	52	17	22	23	22	14	32	13	18	18	14
3258	318 ANNANGROVE RD, ROUSE HILL NSW 2155	Commercial/Business	2	70	70	70	70	39	47	47	46	44	42	38	45	46	45	43	41	23	57	22	27	28	27	23	36	22	27	28	24
3260	271 ANNANGROVE RD, ROUSE HILL NSW 2155	Commercial/Business	2	70	70	70	70	30	38	38	37	35	33	33	41	41	40	38	37	12	49	11	16	17	16	13	29	12	17	18	13
3263	38 OUTBACK ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	35	43	43	42	40	38	35	43	43	42	40	38	25	58	24	29	29	29	24	37	23	28	29	25
3264	123 GARRAWILLA AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	29	37	37	36	35	33	31	39	39	38	36	35	39	68	37	43	43	43	40	48	38	44	44	40
3265	2 ROSS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	20	18	26	26	25	23	22	15	51	14	19	19	15	31	14	19	19	15	
3266	2 CHAELUNDI CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	23	31	31	30	28	27	31	63	29	35	35	34	31	42	29	35	35	31
3267	23-23A WATTLERIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	29	37	37	36	35	33	23	51	21	27	27	27	23	30	21	27	27	23
3269	21 WERAKATA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	30	38	38	37	35	34	31	39	39	38	36	35	10	46	9	14	15	14	11	25	9	14	15	11
3270	6/2 MONEY CL, ROUSE HILL NSW 2155	Industrial/Utilities	2	70	70	70	70	52	60	60	59	57	56	60	67	68	67	65	63	29	63	28	33	33	30	42	29	34	34	30	
3271	13 LONGMEADOW PWY, BOX HILL NSW 2765	Residential	2	44	39	39	35	21	29	29	28	26	25	21	29	29	28	26	24	11	47	9	15	15	15	10	26	9	14	14	10
3273	32 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	22	20	18	26	26	25	23	21	30	65	29	34	34	31	44	30	35	35	31	
3274	4 SEED ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	34	42	42	41	39	38	33	41	41	40	38	37	18	50	17	22	23	22	18	29	17	22	23	19
3275	36 BUDAWANG AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	30	38	38	37	35	33	45	74	44	49	49	49	45	53	44	49	45	
3276	108 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	24	32	32	31	29	28	32	63	30	36	36	36	33	42	31	37	37	33
3277	324 ANNANGROVE RD, ROUSE HILL NSW 2155	Commercial/Business	2																												

Receiver ID	Address	Land use	Noise Catchment Area	Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																															
				Noise Management Level				WRRF																Lot 96				SP1022				SP1022 with mitigation			
				Standard hours	Outside standard hours			CS01	CS02	CS04	CS05	CS06	CS07	CS01	CS02	CS04	CS05	CS06	CS07	CS01	CS02	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS01	CS02	CS04	CS05	CS06	CS07	CS08
3300	46 TABLELANDS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	33	41	41	40	38	37	36	44	44	43	42	40	13	49	12	17	18	17	15	28	13	19	19	15				
3302	3 BILLABONG PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	21	19	27	27	26	24	23	36	69	34	40	40	40	36	48	35	40	40	36				
3305	80 OUTBACK ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	35	43	43	42	40	39	38	46	46	45	43	42	22	56	21	26	26	26	23	35	22	27	27	23				
3307	28B WELFORD CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	21	29	29	28	26	24	33	64	32	37	37	37	33	43	32	37	37	33				
3309	28 RAMORNIE DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	20	26	34	34	33	31	30	11	46	10	15	16	15	12	25	11	16	17	12				
3314	10 BROOKHAVEN ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	25	33	33	32	30	29	29	37	37	36	34	33	12	49	11	16	17	16	11	28	10	15	15	11				
3315	7 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	23	33	41	41	40	38	37	37	69	36	41	41	41	37	49	36	41	41	37				
3317	17 WARRAWEE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	15	14	22	22	21	19	18	13	50	12	17	18	17	13	29	12	17	17	13				
3318	15 CELIA RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	19	17	25	25	24	22	21	19	54	18	23	24	23	19	33	18	23	24	20				
3319	29 WARRAWEE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	9	17	17	16	14	13	10	18	18	17	15	14	13	47	11	17	17	17	13	26	11	17	17	13				
3320	GROUND 23/320 ANNANGROVE RD, ROUSE HILL NSW 2155	Commercial/Business	2	70	70	70	70	35	43	43	42	40	39	39	47	47	46	45	43	21	56	20	25	26	25	22	36	20	25	26	22				
3321	ABERDOON 39-41 CLOWER AV, ROUSE HILL NSW 2155	Recreational/Open Space	1	60	60	60	60	28	36	36	35	33	32	31	39	39	38	37	35	30	62	28	34	34	33	30	42	28	34	34	30				
3325	5 TIMBERCREST ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	37	45	45	44	42	40	36	44	44	43	41	40	26	58	25	30	30	30	24	38	28	28	29	25				
3328	130 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	22	30	30	29	27	26	18	53	16	21	22	21	18	33	16	21	22	18				
3332	23 WARRAWEE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	8	16	16	15	13	11	7	15	15	14	12	11	9	44	8	13	14	13	10	24	9	14	15	10				
3333	9 TIMBERCREST ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	37	45	45	44	42	40	36	43	43	42	41	39	26	58	25	30	30	30	24	37	23	28	28	24				
3334	17 COURSEBROOK ST, BOX HILL NSW 2765	Residential	1	51	46	44	35	36	44	44	43	41	40	34	42	42	41	39	38	24	57	23	28	28	28	24	36	22	28	28	24				
3336	8 WARRAWEE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	19	17	18	26	26	25	23	21	12	49	11	16	17	16	12	28	11	16	17	13				
3337	1 KURNELL PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	18	25	26	25	23	21	33	64	31	37	37	33	43	31	37	37	33					
3339	5 EMPRESS AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	20	28	28	27	25	24	18	50	16	21	22	21	18	29	17	22	23	19				
3340	117 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	29	33	40	41	40	38	36	21	56	20	25	26	25	21	35	20	25	26	21				
3341	7 SEED ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	35	43	43	42	40	39	34	42	42	41	39	38	21	54	20	25	26	25	21	34	20	25	26	21				
3342	5 JERVIS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	30	28	28	27	26	24	12	47	11	16	16	16	13	27	11	17	17	13				
3343	151 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	20	28	28	27	25	24	17	51	15	20	21	20	17	30	16	21	21	17				
3344	13 MONACO AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	18	26	26	25	23	22	23	57	21	27	27	27	24	36	22	27	28	24				
3345	42 RAMORNIE DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	15	12	20	20	19	17	16	31	62	30	35	35	35	32	41	31	36	36	32				
3346	98 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	7	15	15	14	12	11	19	27	27	26	24	23	30	60	29	34	34	34	31	40	30	35	36	31				
3347	37 WATTLEIDGE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	18	26	26	25	23	22	34	64	32	38	38	38	34	44	32	38	38	34				
3348	271 ANNANGROVE RD, ROUSE HILL NSW 2155	Commercial/Business	2	70	70	70	70	37	45	45	44	42	40	36	44	44	43	41	40	25	58	23	29	29	28	25	37	23	29	29	25				
3350	ROUSE HILL PUBLIC SCHOOL 45-59 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	14	22	22	21	20	18	22	30	30	29	27	26	22	54	21	26	26	22	33	21	26	26	22	19				
3352	23 WERAKATA CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	31	28	36	36	35	33	32	10	45	8	13	14	13	10	24	9	14	14	10				
3353	7 JERVIS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	18	26	26	25	23	22	10	45	9	14	14	11	24	10	15	16	11					
3356	46 RAMORNIE DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	15	13	20	21	20	18	16	31	62	30	35	35	32	41	31	36	36	32					
3357	12/591 WITHERS RD, ROUSE HILL NSW 2155	Industrial/Utilities	2	70	70	70	70	37	45	45	44	42	41	23	31	31	30	28	27	17	49	16	21	22	21	17	29	16	21	21	17				
3358	96 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	45	53	53	52	51	49	45	53	53	52	50	48	21	56	19	25	25	24	21	35	19	25	25	21				
3359	1 SEED ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	17	25	25	24	22	21	17	25	25	24	22	21	8	44	6	12	12	12	8	23	6	12	12	8				
3360	2 SEED ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	19	27	27	26	24	23	19	27	27	26	24	22	9	44	8	13	13	9	23	8	13	13	9					
3362	11 EUCALYPTUS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	32	40	40	39	37	36	31	39	39	38	36	35	16	53	15	20	20	16	32	15	20	20	16					
3363	1 BOX RD, BOX HILL NSW 2765	Residential	1	51	46	44	35	31	39	39	38	36	35	29	37	37	36	35	33	14	51	13	18	19	18	13	30	12	17	18	13				
3365	12 PALMERSTONE PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	28	29	36	37	36	34	32	32	62	30	36	36	36	32	42	31	36	37	32				
3366	24 WARRAWEE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	8	16	16	15	13	12	9	17	17	16	14	13	12	45	11	16	16	16	12	24	11	16	16	12				
3368	44 TABLELANDS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	33	41	41	40	38	37	36	44	44	43	41	40	13	49	12	17	18	17	15	28	13	19	19	15				
3369	44 TABLELANDS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	17	25	25	24	23	21	19	27	27	26	24	23	9	44	7	12	13	12	9	24	8	13	13	9				
3370	10 NEST HILL APP, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	18	15	23	23	22	20	19	10	45	9	14	14	14	11	24	10	15	16	11				
3371	75 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	30	38	38	37	36	34	37	45	45	44	42	41	20	51	19	24	24	24	20	30	19	24	24	20				
3372	20 HIGHGATE CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	18	26	26	25	23	22	37	70	36	41	41	41	39	50	37	42	43	39				
3373	126 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	24	22	21	29	29	28	27	25	18	53	17	22	22	22	19	32	18	23	23	19				
3374	22 RAMORNIE DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	9	17	17	16	14	13	11	19	19	18	16	14	28	59	27	32	32	32	28	38	27	32	33	28				
3375	14 CELIA RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	18	26	26	25	23	22	20	55	19	24	24											

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level																				Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)											
				Standard hours	Outside standard hours			WRRF						Lot 96						SP1022						SP1022 with mitigation									
					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS05	CS06	CS10	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10					
3402	32 WARRAWEE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	18	26	26	25	23	22	20	55	19	24	25	24	21	34	20	25	25	21				
3406	13 RAMORNIE DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	24	32	32	31	29	27	27	35	35	34	32	31	34	64	32	38	38	38	34	43	33	38	39	35				
3408	14 OUTBACK ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	38	46	46	45	43	42	39	47	47	46	44	43	28	59	27	32	32	25	38	24	29	29	25					
3409	50 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	23	31	31	30	29	27	36	43	44	43	41	39	35	67	33	39	39	38	34	46	33	38	39	34				
3410	13 WATERFLOW ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	28	36	36	35	33	32	29	37	37	36	34	32	11	48	10	15	15	9	27	8	13	14	9					
3411	19 WARRAWEE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	9	17	17	16	14	13	11	19	18	16	15	9	44	8	13	13	13	10	23	9	14	15	10					
3413	2 BLADENSBURG RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	16	14	14	22	22	21	19	18	22	56	20	26	26	23	35	21	26	27	23					
3414	37 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	35	43	43	42	41	39	40	71	38	44	44	43	40	51	38	43	44	40				
3415	14/322 ANNANGROVE RD, ROUSE HILL NSW 2155	Commercial/Business	2	70	70	70	70	46	54	54	53	51	50	44	52	52	51	50	48	23	56	21	27	27	27	21	36	20	25	26	21				
3417	14 NEST HILL APP, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	9	17	17	16	14	13	10	18	18	17	15	14	25	59	24	29	30	29	26	38	25	30	31	27				
3418	3 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	33	41	41	40	38	37	41	73	39	45	45	45	41	52	39	45	45	41				
3419	3 PELLGRINO GR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	21	18	26	26	25	23	22	15	48	13	18	19	18	16	28	14	19	20	16				
3420	55 TABLELANDS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	36	44	44	43	41	40	38	46	46	45	43	41	21	55	20	25	25	23	34	21	27	27	23					
3422	7 GREYBOX ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	26	34	34	33	31	30	26	34	34	33	31	30	12	49	11	16	16	16	10	28	8	14	14	10				
3423	96 ADELPHI ST, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	34	42	42	41	39	38	32	40	40	39	38	36	18	52	16	22	22	22	18	31	16	22	22	18				
3425	20 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	34	42	42	41	39	38	37	45	45	44	42	40	27	58	26	31	31	31	28	37	26	31	32	28				
3426	12 HIGHLANDS WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	25	22	30	30	29	27	25	19	52	18	23	23	23	20	32	18	24	24	20				
3428	26 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	27	35	35	34	32	30	32	63	31	36	36	36	33	42	32	37	38	34				
3430	15 COURSEBROOK ST, BOX HILL NSW 2765	Residential	1	51	46	44	35	36	44	44	43	41	40	34	42	42	41	39	38	25	58	24	29	30	29	25	38	24	29	29	25				
3431	15 LIMESTONE RD, BOX HILL NSW 2765	Residential	2	44	39	39	35	34	42	42	41	39	37	37	45	45	44	42	41	26	57	25	30	30	30	24	36	23	28	28	24				
3433	3 RAMORNIE DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	8	16	16	15	13	12	10	17	18	17	15	13	32	62	31	36	37	36	33	42	32	37	37	33				
3435	8 DUXTON CT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	30	38	38	37	35	34	32	64	30	35	36	35	32	43	31	36	36	32				
3436	8 BLUE LAKES PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	17	25	25	24	22	21	7	41	6	11	11	8	21	6	12	12	8					
3437	30 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	20	19	26	27	26	24	22	25	59	24	29	30	29	25	38	24	29	30	26				
3438	14 KINDILEN CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	24	32	32	31	30	28	28	36	36	35	33	32	38	70	36	42	42	41	38	50	37	42	42	38				
3439	11 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	29	29	37	37	36	34	33	41	73	39	45	45	45	41	52	40	45	45	41				
3440	ROUSE HILL PUBLIC SCHOOL 45-59 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	33	41	41	40	38	37	36	44	44	43	41	40	30	63	29	34	34	34	30	42	29	34	34	30				
3441	26 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	29	31	39	39	38	36	35	29	63	28	33	34	33	30	42	28	33	34	30				
3442	34 WARRAWEE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	16	24	24	23	21	20	13	49	12	17	17	13	28	12	17	18	14					
3443	15 WATERFLOW ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	25	33	33	32	30	29	25	33	33	32	30	29	10	48	8	14	14	13	10	27	8	14	14	10				
3444	11 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	34	42	42	41	39	38	39	47	47	46	44	43	31	64	30	35	35	35	31	44	30	35	35	31				
3446	2 BARAKEE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	9	17	17	16	14	13	9	17	17	16	14	13	17	52	15	21	21	21	17	31	15	21	21	17				
3447	46 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	24	32	32	31	29	28	30	59	29	34	34	34	30	39	29	34	34	30				
3448	53 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	28	26	34	34	33	31	30	30	61	28	34	34	34	30	40	28	34	34	30				
3451	139 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	23	31	31	30	28	27	26	34	34	33	31	30	17	50	16	21	21	21	18	29	17	22	22	18				
3452	47A TABLELANDS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	28	36	36	35	33	31	25	33	33	32	31	29	10	46	8	14	14	14	10	25	9	14	14	10				
3453	3 TIMBERCREST ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	37	45	45	44	42	41	36	44	44	43	41	40	26	58	25	30	30	30	24	37	23	28	28	24				
3454	11 COURSEBROOK ST, BOX HILL NSW 2765	Residential	1	51	46	44	35	36	44	44	43	41	40	34	42	42	41	39	38	26	58	24	30	30	30	25	37	24	29	29	25				
3455	45 EUCALYPTUS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	29	37	37	36	34	33	28	36	36	35	33	32	13	49	12	17	17	13	29	12	17	17	13					
3457	4 BARAKEE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	16	15	13	23	23	22	20	18	17	48	15	21	21	21	17	27	15	21	21	17				
3458	10 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	15	23	23	22	20	18	22	30	30	29	27	25	20	55	18	24	24	24	20	34	19	24	25	21				
3459	113 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	19	27	27	26	24	23	26	60	25	30	31	30	26	39	25	30	31	27				
3460	15 GREYBOX ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	25	33	33	32	30	29	26	34	34	33	31	29	20	53	18	24	24	24	14	33	13	18	18	14				
3461	20 CARMELITA CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	37	45	45	44	42	41	40	48	48	47	45	44	32	65	30	35	36	35	32	44	30	35	36	32				
3462	8 DECK WAY, BOX HILL NSW 2765	Residential	2	44	39	39	35	33	41	41	40	38	37	34	42	42	41	39	37	23	57	22	27	27	23	36	22	27	27	23					
3464	5 WICKLOW PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	42	50	50	49	47	45	45	53	53	52	50	49	24	55	23	28	28	28	24	34	23	28	28	24				
3465	14 JERVIS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	15	10	18	18	17	15	14	13	46	11	17	16	13	26	12	17	17	13					
3466	23 CELIA RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	17	25	25	24	22	21	16	52	15	20	21	20	16	32	15	20	21	17				
3469	3 LINDEMAN CL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	33	41	41	40	38	37	14	47	13	18	18	14	27	13	18	18	14					
3470																																			

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level			Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																								
				Standard hours	Outside standard hours			WRRF					Lot 96					SP1022					SP1022 with mitigation								
					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS06	CS06	CS06	CS06	CS06	CS06	CS06	CS06	CS06	CS06	CS06	CS06	CS06	CS06	CS06	CS06	CS06		
3492	4 WATERFLOW ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	17	25	25	24	22	20	17	25	25	24	23	21	12	48	11	16	16	16	9	28	7	13	13	9
3494	6 HYATT CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	19	27	27	26	24	23	24	32	32	31	29	27	21	52	19	25	25	24	22	31	21	26	26	22
3495	6/29 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	44	52	52	51	49	47	48	56	56	55	53	52	24	55	23	28	28	24	35	23	28	28	24	
3496	25 WARRAWEE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	15	14	10	18	18	17	15	14	9	43	8	13	13	13	10	23	9	14	14	10
3497	12 OUTBACK ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	38	46	46	45	43	42	39	47	47	46	44	43	28	59	26	31	32	31	25	39	24	29	25	
3498	21 PLEASANCE ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	26	34	34	33	31	30	28	35	36	35	33	31	11	47	9	15	15	15	11	27	9	15	15	11
3499	13 GREYBOX ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	27	35	35	34	32	31	27	35	35	34	32	31	12	47	10	16	16	16	11	27	10	15	15	11
3500	52 RAMORNIE DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	14	12	20	20	19	17	16	31	63	30	35	36	35	32	42	31	36	36	32
3501	5 PALMERSTONE PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	21	29	29	28	26	24	21	29	29	28	26	24	31	62	30	35	35	35	31	41	30	35	35	31
3503	24 PINEHURST AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	21	29	29	28	26	25	31	39	39	38	36	34	27	62	26	31	31	31	27	41	26	31	31	27
3504	3 MAYFAIR AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	20	18	26	26	25	23	22	27	61	26	31	31	31	28	40	26	32	32	28
3506	12 CONNOR PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	26	34	34	33	31	30	30	37	38	37	35	33	42	73	40	46	46	42	53	40	45	46	42	
3509	7 LONGMEADOW PWY, BOX HILL NSW 2765	Residential	2	44	39	39	35	23	31	31	30	28	27	24	32	32	31	30	28	10	47	9	14	14	14	10	26	8	14	14	10
3510	24 BILYANA PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	42	50	50	49	47	46	47	55	55	54	52	51	29	58	28	33	33	33	29	38	28	33	33	29
3511	16 PALMERSTONE PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	6	14	14	13	11	10	7	15	15	14	12	10	29	59	28	33	33	33	30	39	28	34	34	30
3512	26 RAMORNIE DR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	18	26	26	25	24	22	20	28	28	27	25	24	26	58	24	30	30	29	26	38	25	30	31	27
3513	4 WARRAWEE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	9	17	17	16	14	13	13	21	21	20	18	17	16	51	15	20	20	20	16	31	15	20	20	16
3514	33 EUCALYPTUS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	32	40	40	39	37	35	31	39	39	38	36	34	17	52	16	21	21	21	17	31	16	21	21	17
3516	2 GREYBOX ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	28	36	36	35	33	32	27	35	35	34	32	31	17	52	16	21	21	21	13	31	12	17	18	14
3517	98 MILFORD DR, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	26	34	34	33	32	30	23	54	22	27	27	27	23	33	22	27	27	23
3519	19 MONARCH CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	14	22	22	21	19	17	16	24	24	23	21	20	31	65	29	35	35	35	31	44	30	35	36	31
3520	5 WICKLOW PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	41	49	49	48	46	45	44	52	52	51	49	48	24	55	23	28	28	28	24	35	23	28	28	24
3523	GROUND 27/320 ANNANGROVE RD, ROUSE HILL NSW 2155	Commercial/Business	2	70	70	70	70	42	50	50	49	47	46	41	49	49	48	46	44	22	56	21	26	26	26	21	36	19	25	25	21
3524	5 MORRISWAY WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	16	24	24	23	21	20	17	25	25	24	22	21	17	52	16	21	21	21	17	32	16	21	21	17
3526	1 CAPITAL PL, ROUSE HILL NSW 2155	Industrial/Utilities	1	70	70	70	70	39	47	47	46	44	43	38	46	46	45	43	42	17	53	16	21	21	21	17	32	16	21	21	17
3528	5 RUBY CT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	31	39	39	38	36	35	33	41	41	40	38	36	44	73	42	48	48	47	45	52	43	49	49	45
3529	14 WELLGATE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	22	30	30	29	27	26	30	61	29	34	34	34	30	41	28	34	34	30
3530	16 KINDILEN CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	29	27	34	35	34	32	30	39	72	38	43	43	43	38	51	37	42	43	39
3531	52 TABLELANDS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	25	33	33	32	30	28	30	38	38	37	36	34	11	47	10	15	15	15	12	26	10	16	16	12
3532	23/2 MONEY CL, ROUSE HILL NSW 2155	Industrial/Utilities	2	70	70	70	70	25	33	33	32	30	28	40	48	48	47	45	44	28	61	27	32	33	32	29	40	28	33	33	29
3533	6 PALMERSTONE PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	10	18	18	17	15	13	10	18	18	17	15	14	29	60	28	33	34	33	29	40	28	33	34	29
3534	13 HIGHLANDS WAY, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	17	25	25	24	23	21	18	26	26	25	23	21	14	47	13	18	19	18	16	26	15	20	20	16
3535	66 TABLELANDS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	35	43	43	42	40	39	37	45	45	44	42	41	22	55	20	25	26	25	23	34	22	27	27	23
3536	14 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	12	20	20	19	17	16	17	24	25	24	22	20	31	62	30	35	35	32	42	31	36	36	32	
3537	7 TIMBERCREST ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	28	36	36	35	33	32	31	39	39	38	36	35	12	46	11	16	16	16	11	26	9	15	15	11
3538	GROUND 28/320 ANNANGROVE RD, ROUSE HILL NSW 2155	Commercial/Business	2	70	70	70	70	37	45	45	44	42	41	36	44	44	43	41	40	16	49	14	20	20	20	15	29	14	19	19	15
3540	7 BARDSLEY CCT, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	24	32	32	31	29	28	25	33	33	32	30	29	15	49	14	19	19	19	15	28	14	19	19	15
3543	3 DONEGAL PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	23	30	31	30	28	26	35	67	34	39	40	39	35	46	34	39	40	36
3545	322 ANNANGROVE RD, ROUSE HILL NSW 2155	Commercial/Business	2	70	70	70	70	42	50	50	49	47	46	40	48	48	47	45	44	23	56	21	26	27	26	20	35	18	24	24	20
3546	142 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	11	19	19	18	16	15	14	22	22	21	19	18	15	46	14	19	19	15	26	14	19	20	16	
3548	3 BARAKEE CR, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	22	21	24	32	32	31	29	28	13	48	11	17	17	16	13	27	11	17	17	13
3549	ROUSE HILL PUBLIC SCHOOL 45-59 CLOWER AV, ROUSE HILL NSW 2155	Residential	1	51	46	44	35	21	29	29	28	26	25	21	29	29	28	26	25	22	54	20	26	26	25	22	33	20	26	26	22
3550	7 NURSERY PL, BOX HILL NSW 2765	Residential	2	44	39	39	35	31	39	39	38	36	35	30	38	38	37	35	34	13	49	11	17	17	17	12	29	11	16	16	12
3551	77 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	31	28	36	36	35	33	32	31	61	30	35	35	35	31	41	30	35	35	31
3554	40 WARRAWEE AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	13	21	21	20	18	17	16	24	24	23	21	20	22	56	20	26	26	26	22	35	20	26	26	22
3555	15 EMPRESS AV, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	18	26	26	25	23	22	18	26	26	25	24	22	19	53	18	23	23	23	20	33	18	24	24	20
3556	12 KINDILEN CL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	25	33	33	32	30	29	34	42	42	41	39	38	46	74	45	50	51	50	44	54	43	48	48	44
3557	14 PATRIOT PL, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	28	36	36	35	33	32	31	39	39	38	36	34	47	77	46	51	52	51	46	56	44	50	50	46
3559	1 LONGMEADOW PWY, BOX HILL NSW 2765	Residential	2	44	39	39	35	36	44	44	43	41	40	35	43	43	42	40	39	26	58	24	30	30	25	37					

Receiver ID	Address	Land use	Noise Catchment Area	Noise Management Level			Predicted $L_{Aeq,15min}$ construction noise level per site and construction scenario (dBA)																									
				Standard hours	Outside standard hours			WRRF										Lot 96					SP1022					SP1022 with mitigation				
					Day	Evening	Night	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS02	CS04	CS05	CS06	CS10	CS01	CS03	CS07	CS08	CS09	CS10	CS01	CS03	CS07	CS08	CS09	CS10	
3581	16 WELFORD CCT, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	30	28	36	36	35	33	31	16	48	14	19	20	19	16	28	14	20	20	16	
3584	13/593 WITHERS RD, ROUSE HILL NSW 2155	Industrial/Utilities	2	70	70	70	70	29	37	37	36	34	33	29	37	37	36	34	33	20	54	18	24	24	23	20	34	18	23	24	20	
3585	34 BENTLEY AV, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	17	25	25	24	23	21	19	27	27	26	24	23	30	64	28	34	34	34	30	44	29	34	34	30	
3586	53 TABLELANDS ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	24	32	32	31	29	28	30	37	38	37	35	33	22	55	20	26	26	26	23	35	22	27	27	23	
3587	85-93 MILE END RD, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	30	29	37	37	36	34	33	24	57	23	28	29	28	25	36	24	29	29	25	
3589	10 SEED ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	35	43	43	42	40	39	34	42	42	41	39	38	28	59	26	32	32	32	28	38	26	32	32	28	
3590	10 JERVIS PL, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	6	14	14	13	12	10	7	15	15	14	12	11	22	55	20	26	26	26	21	35	20	25	25	21	
3591	9 GREYBOX ST, BOX HILL NSW 2765	Residential	2	44	39	39	35	26	34	34	33	31	30	27	35	35	34	32	31	11	49	10	15	16	15	10	29	9	14	14	10	
3593	43 STANFORD CCT, ROUSE HILL NSW 2155	Residential	2	44	39	39	35	27	35	35	34	32	30	38	46	46	45	43	42	22	54	21	26	27	26	24	33	22	27	28	24	
3595	19 LONGMEADOW PWY, BOX HILL NSW 2765	Residential	2	44	39	39	35	36	44	44	43	41	39	37	45	45	44	42	41	22	55	20	25	26	25	21	34	19	25	25	21	
3597	138 STRINGER RD, NORTH KELLYVILLE NSW 2155	Residential	2	44	39	39	35	20	28	28	27	25	24	29	36	37	36	34	32	13	47	12	17	17	17	13	26	12	17	18	13	

	Exceeds NML during standard hours
	Exceeds NML only during the day period outside of standard hours
	Exceeds NML only during the evening period outside of standard hours
	Exceeds NML only during the night period outside of standard hours

Appendix D

Highly noise affected receivers

Table D.1 Highly noise affected receivers due to construction activities at the receival site – no mitigation

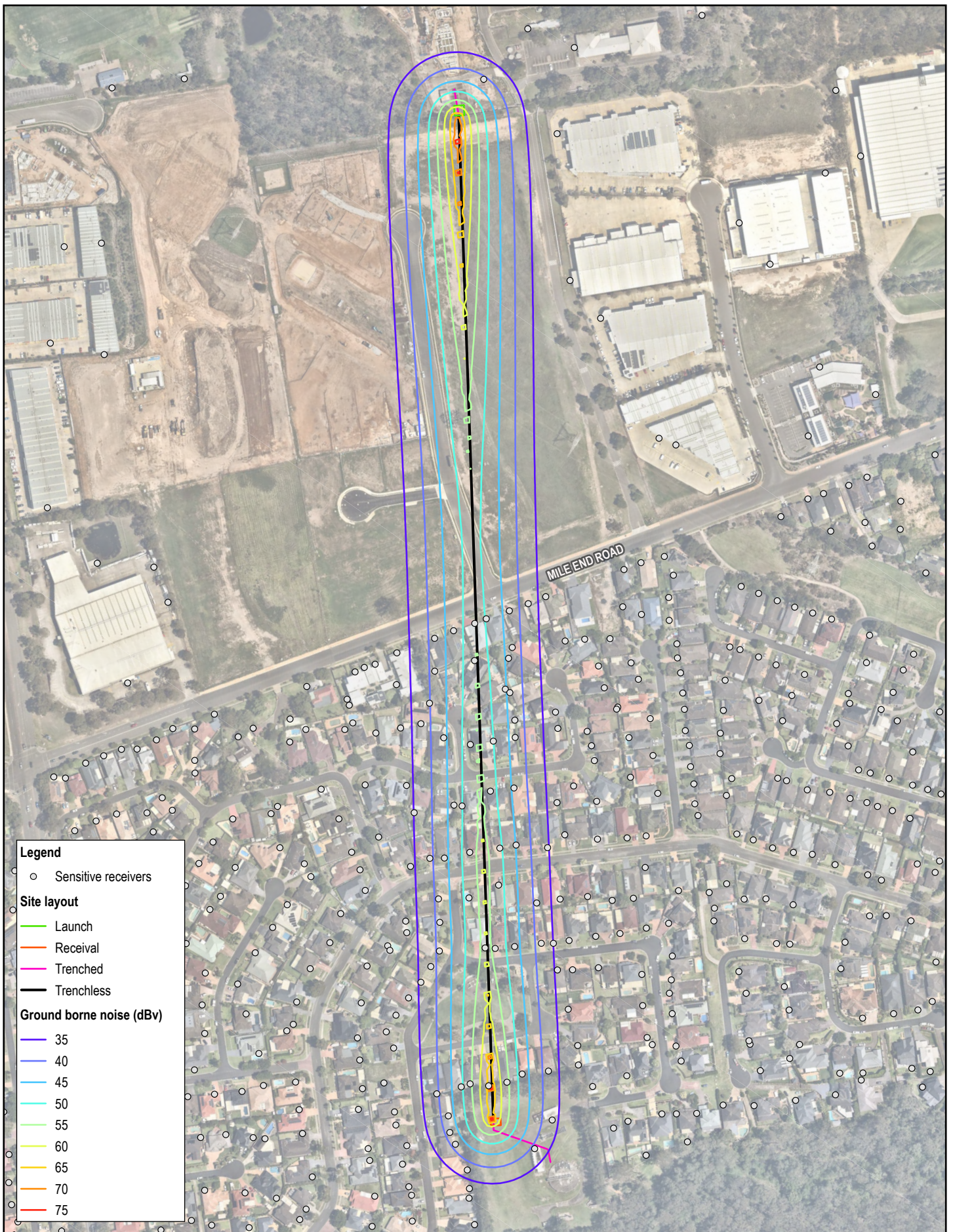
Receiver ID	Address	Highly noise affected (Predicted construction noise level, $L_{Aeq(15min)}$, dBA)			
		CS03	CS08	CS09	CS10
120	12 Knox Pl, Rouse Hill	Yes (83)	No	No	No
141	10 Mindaribba Av, Rouse Hill	Yes (80)	No	No	No
243	12 Taylee Pl, Rouse Hill	Yes (84)	No	No	No
249	7 Knox Pl, Rouse Hill	Yes (88)	No	No	No
311	11 Dennison Cl, Rouse Hill	Yes (76)	No	No	No
395	7 Nunkere Cr, Rouse Hill	Yes (93)	Yes (73)	Yes (78)	Yes (79)
464	15 Mindaribba Av, Rouse Hill	Yes (76)	No	No	No
545	5 Knox Pl, Rouse Hill	Yes (85)	No	No	No
560	2 Kindilen Cl, Rouse Hill	Yes (77)	No	No	No
782	7 Taylee Pl, Rouse Hill	Yes (85)	No	No	No
801	1 Nunkere Cr, Rouse Hill	Yes (86)	No	No	No
887	5 Taylee Pl, Rouse Hill	Yes (83)	No	No	No
938	14 Mindaribba Av, Rouse Hill	Yes (82)	No	No	No
1025	10 Taylee Pl, Rouse Hill	Yes (81)	No	No	No
1075	10 Taylee Pl, Rouse Hill	Yes (82)	No	No	No
1157	5 Nunkere Cr, Rouse Hill	Yes (91)	Yes (72)	Yes (77)	Yes (78)
1183	11 Nunkere Cr, Rouse Hill	Yes (89)	No	Yes (75)	No
1211	8 Taylee Pl, Rouse Hill	Yes (79)	No	No	No
1228	11 Knox Pl, Rouse Hill	Yes (92)	Yes (73)	Yes (78)	Yes (78)
1382	6 Taylee Pl, Rouse Hill	Yes (80)	No	No	No
1475	4 Kindilen Cl, Rouse Hill	Yes (77)	No	No	No
1691	15 Knox Pl, Rouse Hill	Yes (92)	Yes (72)	Yes (77)	Yes (78)
1864	17 Knox Pl, Rouse Hill	Yes (90)	Yes (71)	Yes (77)	Yes (77)
1929	9 Knox Pl, Rouse Hill	Yes (90)	Yes (70)	Yes (76)	Yes (76)
1930	14 Mindaribba Av, Rouse Hill	Yes (82)	No	No	No
1940	3 Knox Pl, Rouse Hill	Yes (82)	No	No	No
1995	9 Nunkere Cr, Rouse Hill	Yes (91)	Yes (72)	Yes (77)	Yes (78)
2031	6 Taylee Pl, Rouse Hill	Yes (78)	No	No	No
2158	15 Nunkere Cr, Rouse Hill	Yes (83)	No	No	No
2236	13 Nunkere Cr, Rouse Hill	Yes (88)	No	No	No
2328	16 Knox Pl, Rouse Hill	Yes (78)	No	No	No
2419	10 Knox Pl, Rouse Hill	Yes (82)	No	No	No
2551	3 Nunkere Cr, Rouse Hill	Yes (90)	Yes (71)	Yes (76)	Yes (77)
2826	2 Patriot Pl, Rouse Hill	Yes (75)	No	No	No
2868	13 Knox Pl, Rouse Hill	Yes (92)	Yes (73)	Yes (78)	Yes (78)
2991	8 Mindaribba Av, Rouse Hill	Yes (78)	No	No	No
3023	32 Kindilen Cl, Rouse Hill	Yes (79)	No	No	No

Table D.2 *Highly noise affected receivers due to construction activities at the receival site – with mitigation*

Receiver ID	Address	Highly noise affected (Predicted construction noise level, $L_{Aeq(15min)}$, dBA)
		CS03
249	7 Knox Pl, Rouse Hill	Yes (77)
395	7 Nunkere Cr, Rouse Hill	Yes (82)
801	1 Nunkere Cr, Rouse Hill	Yes (75)
1157	5 Nunkere Cr, Rouse Hill	Yes (81)
1183	11 Nunkere Cr, Rouse Hill	Yes (78)
1228	11 Knox Pl, Rouse Hill	Yes (82)
1691	15 Knox Pl, Rouse Hill	Yes (81)
1864	17 Knox Pl, Rouse Hill	Yes (80)
1929	9 Knox Pl, Rouse Hill	Yes (79)
1995	9 Nunkere Cr, Rouse Hill	Yes (81)
2236	13 Nunkere Cr, Rouse Hill	Yes (77)
2551	3 Nunkere Cr, Rouse Hill	Yes (79)
2868	13 Knox Pl, Rouse Hill	Yes (82)

Appendix E

Ground-borne noise impact contours



Legend

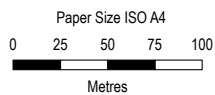
- Sensitive receivers

Site layout

- Launch
- Receiving
- Trenched
- Trenchless

Ground borne noise (dBv)

- 35
- 40
- 45
- 50
- 55
- 60
- 65
- 70
- 75



Map Projection: Transverse Mercator
 Horizontal Datum: GDA2020
 Grid: GDA2020 MGA Zone 56



Sydney Water
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Construction vibration impacts

APPENDIX E.1

Appendix F

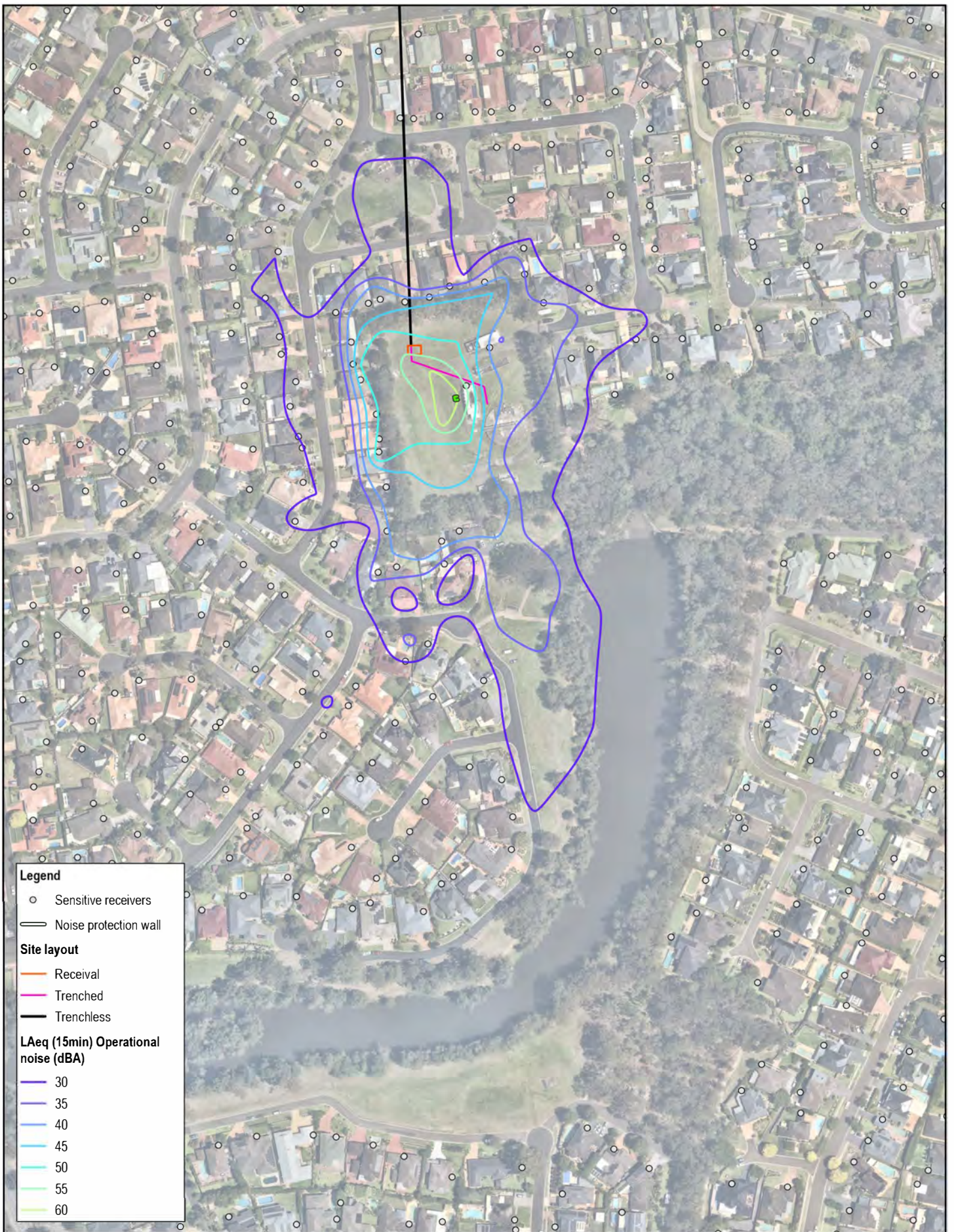
Ground-borne noise impact predictions

Receiver ID	Address	Predicted ground borne noise level dB(v)	Predicted evening and nighttime airborne noise level dBA	
			WRRF	Lot 96
			CS04	CS04
4	43 MILFORD DR, ROUSE HILL NSW 2155	57	34	39
94	9 TAYLEE PL, ROUSE HILL NSW 2155	39	32	35
107	7 YORLIN PL, ROUSE HILL NSW 2155	58	39	45
186	10 BILYANA PL, ROUSE HILL NSW 2155	45	40	45
258	16 BILYANA PL, ROUSE HILL NSW 2155	43	42	46
327	5 YORLIN PL, ROUSE HILL NSW 2155	47	43	49
348	22 BILYANA PL, ROUSE HILL NSW 2155	45	42	48
395	7 NUNKERE CR, ROUSE HILL NSW 2155	76	23	31
560	2 KINDILEN CL, ROUSE HILL NSW 2155	62	25	28
801	1 NUNKERE CR, ROUSE HILL NSW 2155	38	28	30
813	13 BILYANA PL, ROUSE HILL NSW 2155	45	37	41
944	9 BILYANA PL, ROUSE HILL NSW 2155	54	41	45
1059	38 KNOX PL, ROUSE HILL NSW 2155	41	36	40
1141	48 MILFORD DR, ROUSE HILL NSW 2155	56	33	37
1157	5 NUNKERE CR, ROUSE HILL NSW 2155	59	23	25
1183	11 NUNKERE CR, ROUSE HILL NSW 2155	49	23	31
1228	11 KNOX PL, ROUSE HILL NSW 2155	37	33	35
1253	41 MILFORD DR, ROUSE HILL NSW 2155	57	34	38
1297	45 MILFORD DR, ROUSE HILL NSW 2155	37	33	37
1424	6 YORLIN PL, ROUSE HILL NSW 2155	42	32	38
1440	46 MILFORD DR, ROUSE HILL NSW 2155	59	27	34
1452	11 BILYANA PL, ROUSE HILL NSW 2155	58	38	40
1475	4 KINDILEN CL, ROUSE HILL NSW 2155	60	24	27
1691	15 KNOX PL, ROUSE HILL NSW 2155	43	26	32
1733	44 MILFORD DR, ROUSE HILL NSW 2155	44	26	39
1842	9 TAYLEE PL, ROUSE HILL NSW 2155	36	23	28
1864	17 KNOX PL, ROUSE HILL NSW 2155	43	26	28
1903	26 BILYANA PL, ROUSE HILL NSW 2155	43	42	53
1995	9 NUNKERE CR, ROUSE HILL NSW 2155	62	28	31
2236	13 NUNKERE CR, ROUSE HILL NSW 2155	36	23	25
2267	32 KNOX PL, ROUSE HILL NSW 2155	37	24	27
2279	41 MILE END RD, ROUSE HILL NSW 2155	55	52	57
2293	3 YORLIN PL, ROUSE HILL NSW 2155	43	32	40
2375	8 BILYANA PL, ROUSE HILL NSW 2155	36	32	36
2405	8 KINDILEN CL, ROUSE HILL NSW 2155	36	25	37
2466	34 KNOX PL, ROUSE HILL NSW 2155	40	28	31
2514	14 BILYANA PL, ROUSE HILL NSW 2155	55	41	48
2523	36 KNOX PL, ROUSE HILL NSW 2155	41	38	43
2551	3 NUNKERE CR, ROUSE HILL NSW 2155	51	25	28
2569	7 BILYANA PL, ROUSE HILL NSW 2155	50	42	45
2622	39 MILE END RD, ROUSE HILL NSW 2155	57	52	57
2750	6 KINDILEN CL, ROUSE HILL NSW 2155	49	25	27
2868	13 KNOX PL, ROUSE HILL NSW 2155	43	33	36
3217	12 BILYANA PL, ROUSE HILL NSW 2155	58	39	42
3409	50 MILFORD DR, ROUSE HILL NSW 2155	46	31	44

	Predicted groundborne noise levels are 1 to 10 dB greater than the lowest predicted airborne noise levels
	Predicted groundborne noise levels are 11 to 20 dB greater than the lowest predicted airborne noise levels
	Predicted groundborne noise levels are 21 to 30 dB greater than the lowest predicted airborne noise levels
	Predicted groundborne noise levels are more than 30 dB greater than the lowest predicted airborne noise levels

Appendix G

Operational noise impact contours



Legend

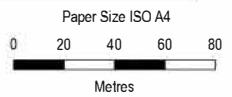
- Sensitive receivers
- Noise protection wall

Site layout

- Reception
- Trenched
- Trenchless

L_{Aeq} (15min) Operational noise (dBA)

- 30
- 35
- 40
- 45
- 50
- 55
- 60



Map Projection: Transverse Mercator
 Horizontal Datum: GDA2020
 Grid: GDA2020 MGA Zone 56

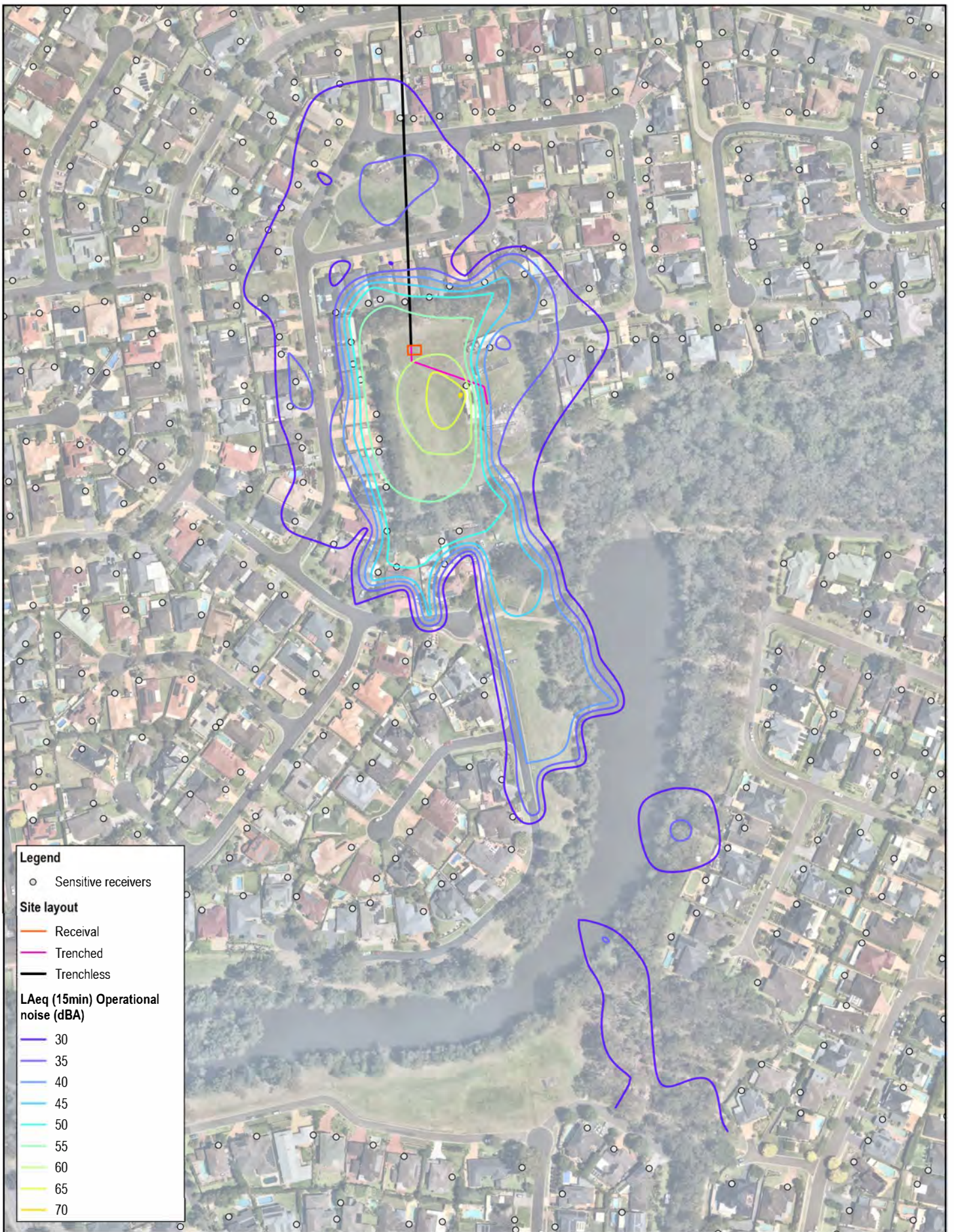


Sydney Water
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**Site operations - With noise barrier -
 Noise impact**

APPENDIX G.1



Legend

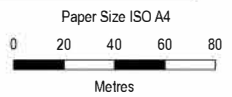
- Sensitive receivers

Site layout

- Receiving
- Trenched
- Trenchless

L_{Aeq} (15min) Operational noise (dBA)

- 30
- 35
- 40
- 45
- 50
- 55
- 60
- 65
- 70



Map Projection: Transverse Mercator
 Horizontal Datum: GDA2020
 Grid: GDA2020 MGA Zone 56



Sydney Water
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**Site operations - Without noise barrier -
 Noise impact**

APPENDIX F.2



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