

Detailed Noise and Vibration Impact Statement 4

Warragamba Pipeline Works, Luddenham Roundabout Works and Full Viaduct Alignment – Cosgroves Creek to Patons Lane

Western Sydney Airport – Surface and Civil Alignment Works

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Distribution and Authorisation

Document Control

The CPBUI JV Project Director is responsible for ensuring this report is reviewed and approved. The Project Director is responsible for updating this plan to reflect changes to the project, legal and other requirements, as required.

The controlled master version will be maintained on TeamBinder. All circulated hard copies are deemed to be uncontrolled.

Amendments

The implementation of this report is under the authority of the CPBUI Delegated Authority Matrix. All Contract personnel will perform their duties in accordance with this report, supporting plans, and related procedures.

Revision Details

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0	16 June 2023 – First Draft
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Abbreviations and definitions

Refer to Definitions, Abbreviations and Acronyms, Sydney Metro – Western Sydney Airport Surface Civil and Alignment Works Package, Schedule C1 General Specification.

Table 1 – Abbreviations and definitions

Abbreviation	Description
CEMF	Sydney Metro Construction Environmental Management Framework
CEMP	Construction Environmental Management Plan
CNVS	Sydney Metro Construction Noise and Vibration Standard
Condition	Planning Minister's Conditions of Approval
CPB	CPB Contractors Pty Ltd
CPBUI JV	CPB Contractors Pty Limited and United Infrastructure Pty Limited Joint Venture
CSSI	Critical State Significant Infrastructure
CTMF	Construction Traffic Management Framework
CTMP	Construction Traffic Management Plan
dBA	A-weighted decibels is an expression of the relative loudness of sounds in the air as perceived by the human ear.
DNVIS	Detailed Noise and Vibration Impact Statement
DPE	Department of Planning and Environment
EIS	Environmental Impact Statement
EM	Environmental Manager
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i> (NSW)
EPA	NSW Environment Protection Authority
EPL	Environment Protection Licence
ER	Environmental Representative. Suitably qualified and experienced person independent of project design and construction personnel employed for the duration of construction. The principal point of advice in relation to all questions and complaints concerning environmental performance.
Frequency	Frequency is synonymous to pitch. Sounds have a pitch which is peculiar to the nature of the sound generator. For example, the sound of a tiny bell has a high pitch and the sound of a bass drum has a low pitch. Frequency or pitch can be measured on a scale in units of Hertz or Hz.
ICNG	Interim Construction Noise Guideline
Impulsive noise	Having a high peak of short duration or a sequence of such peaks. A sequence of impulses in rapid succession is termed repetitive impulsive noise.
Intermittent noise	The level suddenly drops to that of the background noise several times during the period of observation. The time during which the noise remains at levels different from that of the ambient is one second or more.
L _{Max}	The maximum sound pressure level measured over a given period.
L _{Min}	The minimum sound pressure level measured over a given period.

Abbreviation	Description
L ₁	The sound pressure level that is exceeded for 1% of the time for which the given sound is measured.
L ₁₀	The sound pressure level that is exceeded for 10% of the time for which the given sound is measured.
L ₉₀	The level of noise exceeded for 90% of the time. The bottom 10% of the sample is the L ₉₀ noise level expressed in units of dB(A).
L _{eq}	The “equivalent noise level” is the summation of noise events and integrated over a selected period of time.
Minister	Minister of the NSW Department for Planning and Public Spaces
NCA	Noise Catchment Area
NML	Noise Management Level
NPI	NSW EPA’s <i>Noise Policy for Industry</i>
Non-compliance	Failure to comply with the requirements of the Infrastructure Approval or any applicable licence, permit or legal requirements.
Non-conformance	Failure to conform to the requirements of Project system documentation including this CEMP or supporting documentation.
OOH	Out-of-Hours, i.e. outside of standard construction hours
POEO Act	<i>Protection of the Environment Operations Act 1997</i> (NSW)
Principal, the	Sydney Metro
Project, the	Sydney Metro Western Sydney Airport
Reflection	Sound wave changed in direction of propagation due to a solid object obscuring its path.
REMM	Revised Environmental Mitigation Measure
ROL	Road Occupancy Licence
SCAW	Western Sydney Airport Surface and Civil Alignment Works
SEL	Sound Exposure Level (SEL) is the constant sound level which, if maintained for a period of 1 second would have the same acoustic energy as the measured noise event. SEL noise measurements are useful as they can be converted to obtain L _{eq} sound levels over any period of time and can be used for predicting noise at various locations.
Sound	A fluctuation of air pressure which is propagated as a wave through air.
Sound absorption	The ability of a material to absorb sound energy through its conversion into thermal energy.
Sound level meter	An instrument consisting of a microphone, amplifier and indicating device, having a declared performance and designed to measure sound pressure levels.
Sound pressure level	The level of noise, usually expressed in decibels, as measured by a standard sound level meter with a microphone.
Sound power level	Ten times the logarithm to the base 10 of the ratio of the sound power of the source to the reference sound power.
SSI	State Significant Infrastructure
Tonal noise	Containing a prominent frequency and characterised by a definite pitch.
UI	United Infrastructure Pty Limited

Part A Overview

1. Introduction

1.1 Background

The Sydney Metro Western Sydney Airport will become the transport spine for Greater Western Sydney, connecting communities and travellers with the new Western Sydney International (Nancy-Bird Walton) Airport (referred to as Western Sydney International) and the growing region.

The Sydney Metro Western Sydney Airport EIS was prepared in October 2020 to assess the impacts of construction and operation of the Project and was placed on public exhibition between 21 October 2020 and 2 December 2020. The Project was declared a Critical State Significant Infrastructure (CSSI) Project and is listed in Schedule 5 of *State Environmental Planning Policy (State and Regional Development)*.

The Sydney Metro Western Sydney Airport was approved by the Minister for Planning and Public Spaces on 23 July 2021 (SSI 10051) under section 5.19 of the *NSW Environmental Planning and Assessment Act 1997* (EP&A Act).

1.2 Project description

The Project will be undertaken on Darug Country and will form part of the future Western Parkland City. The Project involves the construction and operation of a new 23 km metro rail line that extends from the existing Sydney Trains suburban T1 western line (at St Marys) in the north to the Aerotropolis (at Bringelly) in the south. The alignment includes a combination of tunnels and civil structures, including viaducts, bridges, and surface and open-cut troughs between the two tunnel sections. The Project also includes six new metro stations, and a stabling and maintenance facility and operational control centre at Orchard Hills. The SCAW package is the second major contract package to be procured for the Project. The successful and timely completion of the SCAW package is critical to the subsequent construction activities and ultimate completion of the entire Project.

1.2.1 SCAW scope of works

The scope for the SCAW package includes approximately 10.6 km of alignment up to the underside of track formation from Orchard Hills to the Western Sydney International (WSI) airport. This includes approximately:

- 3.6 km of viaduct
 - 400 m of viaduct over Blaxland Creek
 - 660 m of viaduct over the Patons Lane area and un-named creek
 - 2.5 km of viaduct in the Luddenham Road area including across the Warragamba pipeline, at Luddenham Station, across Luddenham Road and across Cosgrove Creek
- 205 metres of bridges
 - An over rail bridge, approximately 180 m long, over the proposed M12 Motorway
 - An over rail bridge, approximately 25 m long, over the drainage swale on the WSI airport site
- 6.9 km of at-grade alignment
 - 600 m at Orchard Hills, south of Lansdowne Road
 - 1.6 km alongside the stabling maintenance facility in Orchard Hills
 - 900 m to the north of the Warragamba pipelines
 - 1.1 km north of the proposed M12 motorway
 - 1.4 km south of the proposed M12 Motorway on Elizabeth Drive
 - 1.3 km within the Airport site from the northern boundary to the Airport Business Park Station
- Temporary and permanent access roads.

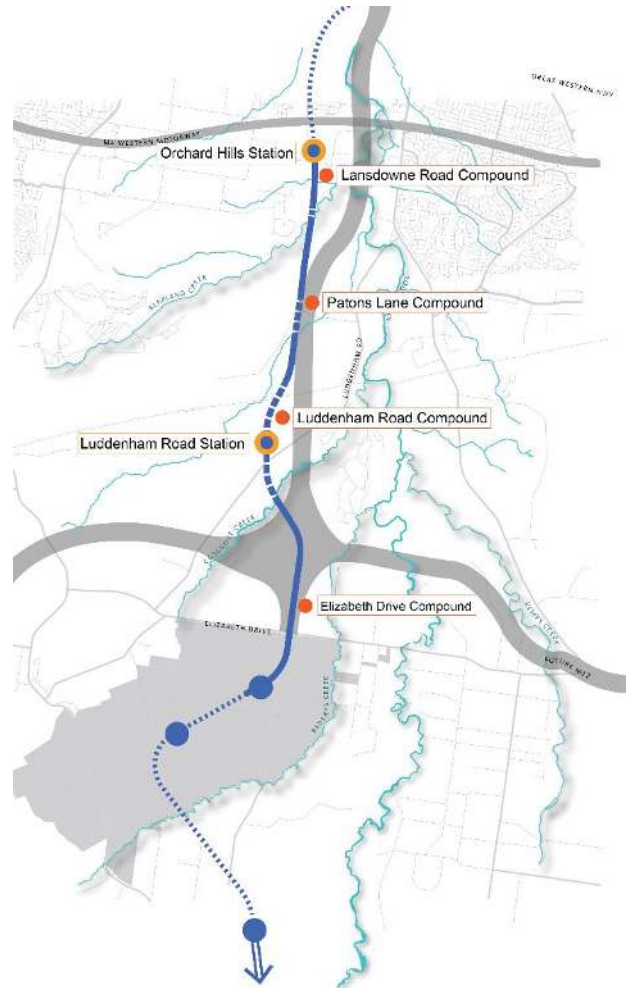


Figure 1 – SCAW Project scope

1.2.2 SCAW construction methodology

Activities that will be undertaken during construction are summarised in Table 2.

Table 2 – Activities during construction

Works	Activities
Earth works	<ul style="list-style-type: none"> ▪ Installation of environmental controls ▪ Vegetation clearing ▪ Stripping, stockpiling and management of topsoil and unsuitable material ▪ Embankment and cutting construction, including the improvement layers/treatments, general fill, structural fill zone and capping layers ▪ Importation and reuse of fill materials ▪ Placing, compacting and finishing of rail alignment sub-base and base layers ▪ Dewatering and backfilling farm dams ▪ Preparation of piling pads.
Bridges and Viaduct works	<ul style="list-style-type: none"> ▪ 400 metres of viaduct over Blaxland Creek ▪ 660 metres of viaduct over the Patons Lane area and unnamed creek ▪ 2.5 kilometres of viaduct in the Luddenham Road area including across the Warragamba Pipeline, at Luddenham Station, across Luddenham Road and across Cosgrove Creek

1.3 Detailed noise and vibration impact statement

This Detailed Noise and Vibration Impact Assessment (DNVIS) has been prepared in line with the Project's Condition of Approval (CoA) E47 (reproduced below) and supplements the Construction Noise and Vibration Management Sub-plan (CNVMSP). The DNVIS establishes the location, nature and scale of proposed works and assesses the level of impact on the community's amenity. Additionally, mitigation measures are identified and evaluated.

In accordance with Condition E47, this DNVIS has been prepared for works that may exceed the NMLs, vibration criteria and / or ground-borne noise levels specified in Conditions E43 and E44 at any residence outside construction hours identified in Condition E38, or where receivers will be highly noise affected or subject to vibration levels above those otherwise determined as appropriate by a suitably qualified structural engineer under Condition E87.

CoA E47:

Detailed Noise and Vibration Impact Statements (DNVIS) must be prepared for any work that may exceed the NMLs, vibration criteria and / or ground-borne noise levels specified in Conditions E43 and E44 at any residence outside construction hours identified in Condition E38, or where receivers will be highly noise affected or subject to vibration levels above those otherwise determined as appropriate by a suitably qualified structural engineer under Condition E87. The DNVIS must include specific mitigation measures identified through consultation with affected sensitive land user(s) and the mitigation measures must be implemented for the duration of the works. A copy of the DNVIS must be provided to the ER before the commencement of the associated works. The Planning Secretary and the EPA may request a copy(ies) of the DNVIS.

This DNVIS follows the following structure:

- Section 2 – Construction Works and Hours
- Section 3 – Existing Environment and Sensitive Receivers

- Section 4 – Construction Noise and Vibration Management Levels
- Section 5 – Construction Noise and Vibration Assessment
- Section 6 – Mitigation and Management

2. Construction works and hours

2.1 Planned works

This DNVIS provides an assessment of potential noise and vibration impacts from activities associated with SCAW Construction activities between Patons Lane, Orchard Hills and Cosgroves Creek, Luddenham. The area of works is shown in Appendix A – Site layout and works areas and include:

- Warragamba Pipeline Works – Earthworks and Structures
- Luddenham Road Roundabout service installation and works
- Full Viaduct Alignment – Cosgroves Creek to Patons Lane

A detailed list of activities and equipment is provided in Section 5.1. Works are expected to commence from July 2023 however may be required to be carried out up until 31 January 2025.

2.2 Construction hours

Construction hours and the associated Conditions of Approval and EPL requirements and are summarised in Table 3.

Table 3 – Construction hours

Source	Activity	Approved construction hours		
		Monday to Friday	Saturday	Sunday / public holiday
Condition E38	Standard construction hours	7:00am to 6:00pm	8:00am to 1:00pm	At no time
Condition E39	Except as permitted by an EPL or approved in accordance with the Out-of-Hours Works Protocol required by Condition E42, highly noise intensive work that result in an exceedance of the applicable NML at the same receiver must only be undertaken during the following times:	8:00am to 6:00pm	8:00am to 1:00pm	At no time
		If continuously, then not exceeding three (3) hours, with a minimum cessation of work of not less than one (1) hour.		
		<i>'continuously' includes any period during which there is less than one (1) hour between ceasing and recommencing any of the work</i>		
SCAW EPL 3 Limit Conditions L5	L5.1 Standard construction hours	Unless permitted by another condition of this licence, works and activities must: a) only be undertaken between the hours of 7:00 am and 6:00 pm Monday to Friday; b) only be undertaken between the hours of 8:00 am and 1:00 pm Saturday; and c) not be undertaken on Sundays or Public Holidays.		

Source	Activity	Approved construction hours		
		Monday to Friday	Saturday	Sunday / public holiday
	L5.2 High Noise Impact Activities and Work	<p>the applicable Noise Management Level (NML) at a Noise Sensitive Receiver must only be undertaken:</p> <p>a) between 8:00 am and 6:00 pm Monday to Friday;</p> <p>b) between 8:00 am and 1:00 pm Saturday; and</p> <p>c) if high noise impact works are to be conducted continuously and the location of the works means that it is likely to impact the same receivers, then the works must be conducted in continuous blocks of no more than 3 hours, with at least a 1-hour respite between each block of continuous high noise impact work; except as expressly permitted by another condition of this licence.</p> <p>Note: For the purposes of this condition ‘continuous’ includes any period where there is a less than 1-hour respite between ceasing and recommencing of any work that is subject to this condition.</p>		
	L5.3 Exemptions to standard construction hours for low noise impact works	<p>Works and activities may be carried on outside of standard construction hours specified in condition L5.1 if the works and activities do not cause, when assessed at the boundary of the most affected Noise Sensitive Receiver:</p> <p>a) $L_{Aeq}(15 \text{ minute})$ noise levels greater than 5dB above the day, evening and night Rating Background Level (RBL) as applicable;</p> <p>b) L_{Amax} noise levels greater than 15dB above the night RBL for night works;</p> <p>c) the preferred continuous or impulsive vibration values greater than those for human exposure to vibration, set out for residences in Table 2.2 in Assessing Vibration: a technical guideline (DEC, 2006); and</p> <p>d) the preferred intermittent vibration values greater than those for human exposure to vibration, set out for residences in Table 2.4 in Assessing Vibration: a technical guideline (DEC, 2006).</p> <p>For the purposes of this condition, the RBLs are those contained in an environmental assessment for the activities subject to this licence prepared under the Environmental Planning and Assessment Act 1979. Alternatively, the licensee may use another RBL determined in accordance with the Noise Policy for Industry (EPA, 2017) and provided to the EPA prior to carrying out any works or activities under this condition.</p>		

Source	Activity	Approved construction hours		
		Monday to Friday	Saturday	Sunday / public holiday
		The notification requirements under condition L5.5 do not apply to this condition.		
	L5.4 Exemptions to standard construction hours in exceptional circumstances	<p>a) The licensee may undertake works and activities outside of standard construction hours specified in condition L5.1 for:</p> <ul style="list-style-type: none"> i. emergency works required to avoid the loss of life or property, or to prevent material harm to the environment; and ii. the delivery of oversized plant, structures or materials determined by the police or other authorised authorities to require special arrangements to transport along public roads. <p>b) The licensee must, on becoming aware of the need to undertake emergency works under this condition notify the EPA's Environment Line as soon as practicable and submit a report to the EPA by 4:00 pm on the next business day after the emergency works commenced that describes:</p> <ul style="list-style-type: none"> i. the cause, time and duration of the emergency; ii. action taken by or on behalf of the licensee in relation to the emergency; and iii. details of any measures taken or proposed to be taken by the licensee to prevent or mitigate against a recurrence of the emergency. <p>For the purposes of this condition, 'material harm to the environment' has the same meaning as in section 147 of the POEO Act.</p> <p>Emergency works do not require a notification under condition L5.5</p>		
	L5.7 Works outside of standard construction hours	<p>Under this condition, works and activities may be undertaken outside of standard construction hours specified in condition L5.1 and L5.2, but only if they are required in relation to one or more of the following:</p> <ul style="list-style-type: none"> a) carrying on those works and activities during standard construction hours would result in a high risk to construction personnel or public safety, based on a risk assessment carried out in accordance with AS/NZS ISO 31000:2018 "Risk Management"; b) the Relevant Road Network Operator has advised the licensee in writing that carrying out the works and 		

Source	Activity	Approved construction hours		
		Monday to Friday	Saturday	Sunday / public holiday
		<p>activities during standard construction hours would result in a high risk to road network operational performance;</p> <p>c) a relevant utility service operator has advised the licensee in writing that carrying out the works and activities during standard construction hours would result in a high risk to the operation and integrity of the utility network;</p> <p>d) the TfNSW Transport Management Centre (or other road authority) have refused to issue a road occupancy licence during standard construction hours; or</p> <p>e) Sydney Trains (or other rail authority) requires a rail possession for the activities to be performed outside of standard construction hours.</p>		
	L5.8 Works outside of standard construction hours - Regulatory Requirements	<p>In undertaking any works and activities outside of standard construction hours under condition L5.7, the licensee must comply with the following:</p> <p>a) Prepare a construction noise and vibration impact assessment in accordance with the Interim Construction Noise Guideline (DEC, 2009) that is to include:</p> <ul style="list-style-type: none"> i. a description of the proposed works and activities outside of standard construction hours; ii. predictions of LAeq (15 minute) dB noise levels at noise sensitive receivers from these works and iii. activities, where noise levels are predicted to be greater than those permitted under condition L5.3; and iv. a monitoring plan to validate the noise predictions, based on monitoring at the boundary of representative sensitive receivers during noise generating activities that are representative of the works and activities, including during the period/s predicted to have the highest noise level impacts. <p>b) Undertake noise monitoring in accordance with the monitoring plan required by condition L5.8(a)(iii).</p> <p>c) Only undertake activities between the hours of 6:00pm on Mondays, Tuesdays, Wednesdays, Thursdays, Fridays and 7:00am the following day (unless permitted by another condition of this licence).</p> <p>d) Activities are not to be undertaken between the hours of 6:00pm on Saturdays, Sundays or Public Holidays and 7:00am the following day (unless permitted by another condition of this licence).</p>		

Source	Activity	Approved construction hours		
		Monday to Friday	Saturday	Sunday / public holiday
		<p>e) Ensure that works and activities do not result in noise levels exceeding those specified in condition L5.3 at the same noise sensitive receivers (unless specified in another condition of this licence) on more than:</p> <ul style="list-style-type: none"> i. 2 consecutive evenings and/or nights at any time; and ii. 3 evenings and/or nights per week; and iii. 10 evenings and/or nights per month. <p>f) Undertake any high noise impact works before 12:00 am (midnight) where reasonable and feasible.</p> <p>g) Where high noise impact activities are undertaken, the respite provisions as per the requirements of condition L5.2(c) do not apply provided that all High Noise Impact Activities and Works are undertaken prior to 12:00 am (midnight).</p> <p>h) Where high noise impact activities are undertaken after 12:00 am (midnight), the respite provisions in condition L5.2(c) apply.</p>		
	E1.1 Work outside standard construction hours - community consultation and agreement.	<p>The licensee may work outside standard construction hours (as defined in L5.1) in circumstances other than those permitted under conditions L5.3, L5.4, or any other condition of this licence if the Licensee:</p> <ul style="list-style-type: none"> a) undertakes community consultation and agreement as described in E1.2; b) submits to the EPA a written request to work outside the standard construction hours attaching information set out in E1.3; and c) obtains approval by the EPA to work outside standard construction hours. The EPA may, in exercising its discretion to approve the works outside standard construction hours, review whether the licensee has obtained community agreement. Specifically, whether a substantial majority of the individual Noise Sensitive Receivers who together comprise the Community Affected Catchments and were contacted has consented to the planned works out of standard hours. 		

2.3 Working outside of standard construction hours – Approval Pathway

This DNVIS has been written to inform the community consultation process detailed in the CPBUI Community and Stakeholder Engagement Strategy for works associated with Luddenham Roundabout and Viaduct/Structures activities proposed to be undertaken outside of standard construction hours in accordance with the Project EPL.

In accordance with EPL Condition L5.7 works may be carried out outside the standard construction hours in the following circumstances:

- a) carrying on those works and activities during standard construction hours would result in a high risk to construction personnel or public safety, based on a risk assessment carried out in accordance with AS/NZS ISO 31000:2018 'Risk Management'
- b) the Relevant Road Network Operator has advised the licensee in writing that carrying out the works and activities during standard construction hours would result in a high risk to road network operational performance;
- c) a relevant utility service operator has advised the licensee in writing that carrying out the works and activities during standard construction hours would result in a high risk to the operation and integrity of the utility network;
- d) the TfNSW Transport Management Centre (or other road authority) have refused to issue a road occupancy licence during standard construction hours; or
- e) Sydney Trains (or other rail authority) requires a rail possession for the activities to be performed outside of standard construction hours.

Unless otherwise approved via negotiated agreement in accordance with EPL Condition E1.1.

Full condition details are included in Table 3.

3. Existing environment

3.1 Noise catchment areas

Noise Catchment Areas (NCAs) are groups of receivers that are likely to experience similar impacts from the project and are reflective of the land use of each area. The NCAs are based on the EIS and predicted impacts for each NCA are considered to represent typical noise and vibration impacts at each individual receiver within that NCA. Table 4 describes the location of the NCAs adopted for the Project, applicable to the SCAW scope and are presented in Figure 2.

Table 4 – Noise catchment areas (NCA)

NCA	Description
NCA08	Predominantly low density single storey residential dwellings. East of the project is mostly open land with scattered receivers along Samuel Marsden Road and Lansdowne Road. Ambient noise conditions are dominated by traffic along the M4 Western Motorway.
NCA09/09A	Open farmland and a grouping of low density single storey residential dwellings within 1200 metres east of the project along Luddenham Road.
NCA10/10A	Open farmland with low density single storey and multi-storey residential dwellings within the Twin Creeks area east of the project, and scattered residential dwellings along Luddenham Road.

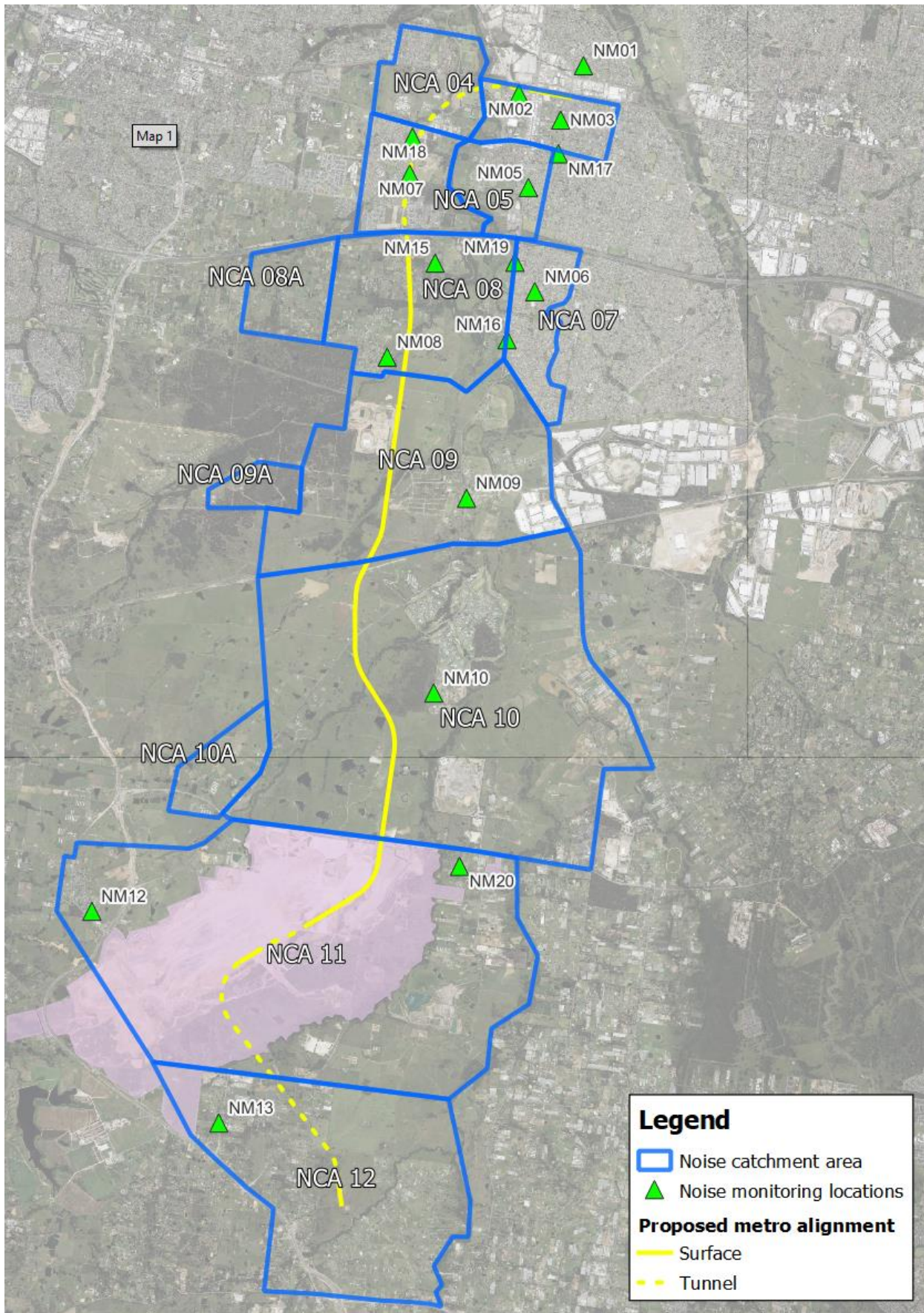


Figure 2 – Noise catchment areas and noise monitoring locations

3.2 Sensitive receivers

In accordance with Condition E37 a detailed land use survey was undertaken to confirm sensitive land use(s) (including critical working areas such as operating theatres and precision laboratories) potentially exposed to construction noise and vibration and construction ground-borne noise. The Land Use Survey is included in Appendix C2 of the SCAW Noise and Vibration Management Plan and informs the development of this DNVIS.

3.3 Ambient noise environment

The prevailing background (existing) noise levels in the study area were determined in the EIS through unattended noise monitoring. The measured Rating Background Levels (RBLs) and ambient noise levels within NCAs that are applicable for this assessment are summarised in Table 5. Refer to Figure 2 for an illustration of the noise monitoring locations.

Table 5 – Summary of unattended noise monitoring results

Noise monitoring location	Rating background level (RBL) dB(A)			Ambient noise level $L_{eq, 15 \text{ minute}}$		
	Day ⁽¹⁾	Evening ⁽¹⁾	Night ⁽¹⁾	Day ⁽¹⁾	Evening ⁽¹⁾	Night ⁽¹⁾
NM08	31	(32) 31 ⁽²⁾	30	52	48	40
NM09	40	39	34	61	57	54
NM10	(30) 35 ⁽³⁾	30	30	47	42	37
NM15	44	(47) 44 ²	40	55	53	50
NM16	47	42	(28) 30 ²	59	56	54
NM19	53	48	36	62	59	57

(1) Time periods defined as – Day: 7am to 6pm Monday to Saturday, 8am to 6pm Sunday; Evening, 6pm to 10pm; Night 10pm to 7am Monday to Saturday, 10pm to 8am Sunday

(2) Where evening or night background noise levels exceed that of the previous period, they have been set at the background noise level of the previous period, in line with the NPI, to reflect community’s expectation for greater noise control during more sensitive periods

(3) Where background levels are below the minimum assumed rating background noise levels outlined in the NPI, they have been adjusted to 35 dB(A) during the day period, and 30 dB(A) during the evening and night periods in accordance with the NPI

4. Construction noise and vibration management levels

4.1 Airborne noise

The CNVS identifies the ICNG as the reference document for the determination of construction Noise Management Levels (NMLs). Table 6 sets out the application of the management levels for noise at residential receivers.

Table 6 – ICNG noise management levels for residential receivers

Time of day	Noise management level, $L_{Aeq}(15 \text{ min})$	Application
Recommended standard hours: <ul style="list-style-type: none"> ▪ Monday to Friday 7am to 6pm ▪ Saturday 8am to 1pm ▪ No work on Sundays or public holidays 	Noise affected RBL + 10 dB	CPBUI will apply feasible and reasonable work practices to meet the noise affected level where the predicated or measured L_{Aeq} (15 min) is greater than the noise affected level.
	Highly noise affected 75 dB(A)	The highly noise affected level represents the point above which there may be strong community reaction to noise.
Outside recommended standard hours	Noise affected RBL + 5 dB	A strong justification would be required for works undertaken outside of the recommended standard hours. CPBUI will apply feasible and reasonable work practices to meet the noise affected level.

NMLs have been derived for the identified land uses, and representative RBLs for residential receivers as described in Table 5. Presents the adopted NMLs for residential receivers within each NCA are derived from EIS Tech Paper 2 (Table 4-9) and are provided in Table 7

Table 7 – Noise management levels and sleep disturbance screening criteria by NCA and period

NCA	Noise management level – dB(A)					
	Standard hours $L_{eq,15min}$	OOH – Day $L_{eq,15min}$	OOH – Evening $L_{eq,15min}$	OOH – Night $L_{eq,15min}$	Sleep Disturbance $L_{eq,15min}$	Sleep Disturbance L_{fmax}
NCA08	54	49	49	45	45	55
NCA09/09A	50	45	44	39	40	52
NCA10/10A	45	40	35	35	40	52

4.1.1 Sleep disturbance

Construction noise during the night (10pm to 7am Monday to Saturday, 10pm to 8am Sunday) has the potential to awaken residents from sleep. In line with the CNVS, the approach to managing events that cause sleep disturbance shall be consistent with the Noise Policy for Industry (EPA, 2017).

A detailed maximum noise level event is to be undertaken when night-time noise levels at a residential receiver are predicted to exceed:

- $L_{eq,15min}$ 40 dB(A) or the prevailing RBL plus 5 dB, whichever is the greater, and/or
- L_{fmax} 52 dB(A) or the prevailing RBL plus 15 dB, whichever is the greater.

4.1.2 Other receivers

Table 8 presents the NMLs for non-residential sensitive receivers derived from the criteria in the ICNG. In accordance with Condition E45, noise generating work in the vicinity of potentially-affected community, religious, educational institutions and noise and vibration-sensitive businesses and critical working areas (such as theatres, laboratories and operating theatres) resulting in noise levels above the NMLs will not be timetabled within sensitive periods, unless other reasonable arrangements have been made with the affected institution.

Table 8 – Noise management levels for non-residential receivers

Land use	Noise management level (external) $L_{eq, 15 min} - dB(A)$
Educational	55 ⁽¹⁾
Commercial (offices, retail outlets)	70
Commercial (industrial)	75
Active recreation	65
Passive recreation	60
Place of worship	55 ⁽¹⁾
Child care centres	55 ⁽¹⁾
Community centres	60 ^{(1) (2)}

(1) An internal to external correction of +10 dB has been applied as per the ICNG.

(2) The maximum L_{eq} sound design level for Municipal buildings – public spaces in AS 2107 has been applied for community centres.

4.2 Ground-borne noise

Ground-borne noise is generated by vibration transmitted through the ground and into a structure. The CNVS refers to guidance in the ICNG, which specifies ground-borne noise management levels for residences. Mitigation measures will be applied when residential ground-borne NMLs are exceeded in accordance with Condition E44. Table 9 provides the NML for residential receivers. These levels are applicable when ground-borne noise levels are higher than airborne noise levels during the evening and night periods.

Table 9 – Ground-borne NML – Residential

Period	Time of day	NML $L_{eq,15min}$
Evening	6pm to 10pm	40 dB(A) internal
Night	10pm to 7am	35 dB(A) internal

4.3 Construction traffic

The CNVS outlines guidance for the assessment of road traffic noise generated by construction vehicles be taken from the Road Noise Policy (RNP) (NSW EPA, 2011). As the RNP provides guidance with relation to operational noise impacts, and noise from construction traffic is non-permanent, further

guidance has been taken from the *Construction Noise and Vibration Guideline (CNVG)* (Roads and Maritime, 2016).

The RNP provides guidance on the assessment of noise impacts on sensitive receivers from additional road traffic generated by the project operating on a public road network. Where vehicles operate within the boundaries of a construction site, noise impacts generated by these vehicles are included in the overall $L_{eq,15min}$ construction site noise emissions undertaken in line with the ICNG.

The RNP makes a distinction between the assessment of freeway/arterial/sub-arterial roads and local roads. Freeway/arterial/sub-arterial roads are assessed over day (7 am to 10 pm) and night (10 pm to 7 am) periods. Table 10 presents a summary of the applicable road traffic criteria for residential receivers.

The CNVG states that ‘an initial screening test should first be applied by evaluating whether noise levels will increase by more than 2 dB(A) due to construction traffic or a temporary reroute due to a road closure. Where increases are 2 dB(A) or less then no further assessment is required’.

Therefore, if the road traffic noise levels increase by more than 2 dB(A) as a result of the proposed construction traffic, and the criteria in Table 10 are exceeded, investigation of mitigation options would be required.

Table 10 – Road traffic noise criteria for residential receivers on existing roads affected by additional traffic from land use developments

Road type	Road traffic noise criteria	
	Day (7am to 10pm)	Night (10pm to 7am)
Freeway/Arterial/Sub-arterial	60 $L_{eq,15hr}$ dB(A)	55 $L_{eq,9hr}$ dB(A)
Local roads	55 $L_{eq,1hr}$ dB(A)	50 $L_{eq,1hr}$ dB(A)

4.4 Construction Vibration Criteria

Condition E43 requires that the project be constructed with aim of achieving the following vibration criteria:

- Assessing vibration: a technical guideline (DEC, 2006) – for human exposure
- BS 7385 Part 2-1993 ‘Evaluation and measurement for vibration in buildings Part 2’ as they are applicable to Australian conditions, and
- The vibration limits set out in the German Standard DIN 4150-3: Structural Vibration – effects of vibration on structures (for structural damage).
- Guidelines for Development Adjacent to the Upper Canal and Warragamba Pipelines (WaterNSW, 2020) – for impact on the Warragamba pipeline.

The following sections provide detail on each criterion.

4.4.1 Cosmetic building damage

The CNVS refers to the EPA’s Assessing Vibration – A technical guideline (AVTG) which recommends the use of British Standard BS 7385-2: Evaluation and measurement for vibration in buildings, Guide to damage levels from ground-borne vibration (BS7385-2) in defining frequency dependent guideline values and assessment methods as they “are applicable to Australian conditions”. However, the SEARs specify German Standard DIN 4150-3: Structural vibration – Effects of vibration on structures (DIN 4150). DIN 4150 provides the more conservative guidance, and hence, adoption of DIN 4150 as recommended results in compliance with the CNVS. Table 11 summarises the recommended limits outlined in DIN 4150 to ensure minimal risk of cosmetic damage to residential and industrial buildings.

On this basis, conservative general vibration screening levels (Peak Particle Velocity (PPV)) is provided for intermittent vibration sources as follows:

- reinforced or framed structures: 10 mm/s
- unreinforced or light framed structures 5 mm/s.

At locations where the predicted and/or measured vibration levels are greater than shown above, monitoring should be performed during construction. A more detailed analysis of the building structure, vibration source, dominant frequencies and dynamic characteristics of the structure would also be performed to determine the applicable safe vibration level.

Table 11 – Recommended vibration limits for cosmetic damage

Type of structure	Guideline values for velocity, v_i , in mm/s, of vibration in horizontal plane of highest floor, at all frequencies ¹
Buildings used for commercial purposes, industrial buildings and buildings of similar design	10
Dwellings and buildings of similar design and/or occupancy	5
Structures that, because of their particular sensitivity to vibration, cannot be classified under lines 1 and 2 and are of great intrinsic value (e.g. listed buildings under preservation order)	2.5

(16) If a building is subjected to harmonic vibration, then the maximum values can also occur in floors other than the top floor, or in the foundation. The values given in the table also apply in these cases.

4.4.1 Human comfort

With regards to assessing loss of amenity due to perceptible vibration, the CNVS requires the assessment of vibration impacts on human comfort in accordance with Assessing Vibration – A technical guideline (DEC, 2006) (AVTG). AVTG presents preferred and maximum vibration values (vibration dose values), above which there is considered to be a risk that the amenity and comfort of people occupying buildings would be adversely affected by construction work. The preferred vibration values are not mandatory limits but should be sought to be achieved through application of all feasible and reasonable mitigation measures.

Intermittent vibration is expected to be generated from most construction works, and can be defined as interrupted periods of continuous vibration (e.g. a drill), or repeated periods of impulsive vibration (e.g. a pile driver). The applicable criteria for intermittent vibration are shown in Table 12 as vibration dose value ($m/s^{1.75}$).

The vibration guideline also specifies limits for continuous and impulsive vibration. These summarised vibration limits are expressed in acceleration (m/s^2) and PPV (mm/s) as presented in Table 2.2 and Appendix C of the AVTG and summarised in Table 13. When short-term works such as piling, demolition and construction give rise to impulsive vibrations, undue restriction on vibration values may significantly prolong these operations and result in greater annoyance. Where work is short term, feasible and reasonable mitigation measures have been applied, then higher vibration values may apply.

Table 12 – Vibration limits for human exposure from intermittent vibration

Location	Assessment period ¹	Vibration dose value ($m/s^{1.75}$)	
		Preferred value	Maximum value
Residences	Daytime	0.2	0.4
	Night-time	0.13	0.26
Offices, schools, educational institutions and places of worship	Anytime	0.4	0.8
Workshops	Anytime	0.8	1.6

(16) Daytime is 7.00 am to 10.00 pm and night-time is 10.00 pm to 7.00 am

Table 13 – Preferred maximum values for continuous and impulsive vibration

Location	Assessment period	¹ RMS acceleration m/s ²				² Peak Particle Velocity mm/s	
		Preferred values		Maximum values		Preferred values	Maximum values
		Z-Axis	X and Y axis	Z-axis	X and Y axis		
Continuous vibration							
Critical areas	Day or night-time	0.0050	0.0036	0.010	0.0072	0.14	0.28
Residences	Daytime ³	0.010	0.0071	0.020	0.014	0.28	0.56
	Night-time	0.007	0.005	0.014	0.010	0.20	0.40
Offices, schools, educational institutions, and places of worship	Day or night-time	0.020	0.014	0.040	0.028	0.56	1.1
Workshops	Day or night-time	0.04	0.029	0.080	0.058	1.1	2.2
Impulsive vibration							
Critical areas	Day or night-time	0.0050	0.0036	0.010	0.0072	0.14	0.28
Residences	Daytime ³	0.3	0.21	0.60	0.42	8.6	17.0
	Night-time	0.10	0.071	0.20	0.14	2.8	5.6
Offices, schools, educational institutions, and places of worship	Day or night-time	0.64	0.46	1.28	0.92	18.0	36.0
Workshops	Day or night-time	0.64	0.46	1.28	0.92	18.0	36.0

(1) Values derived from z-axis critical frequency range

(2) Values given for the most critical frequency range >8 Hz assuming sinusoidal motion. Where required, a more detailed analysis can be conducted as per AS 2670.2-1990. Sufficient justification should accompany the use of a peak velocity approach if used in an assessment.

(3) Specific values depend on social and cultural factors, psychological attitudes and expected degree of intrusion.

4.4.2 Vibration sensitive structures – heritage

Heritage listed structures should not be assumed to be more sensitive to vibration unless they are structurally unsound, which is unlikely for a regularly maintained structure. Where a historic structure is deemed to be sensitive to damage from vibration following inspection by qualified structural and/or civil engineers, more conservative superficial cosmetic damage criterion (2.5 mm/s PPV) should be considered, as noted in Table 11.

Buildings that are potentially at risk of threshold or cosmetic damage would be identified by the contractor prior to the commencement of construction works. Management at these locations will include building condition surveys before the commencement of construction activities and after construction is completed in accordance with Condition E84 and E85.

In accordance with REMM NAH8, a dilapidation survey of the Warragamba to Prospect Water Supply Pipelines would be undertaken prior to construction commencing in the vicinity of this item. In

accordance with Condition E121 CPBUI will consult with WaterNSW where SCAW interacts with the Warragamba to Prospect Water Supply Pipeline to ensure that design and construction methodology is consistent with *Guidelines for Development Adjacent to the Upper Canal and Warragamba Pipelines*.

4.4.3 Utilities and other vibration sensitive structures

In accordance with Condition E82 the SCAW must be designed and constructed with the objective of minimising impacts to, and interference with third party property, and that such infrastructure and property is protected during construction.

Where structures and utilities sensitive to vibration are encountered, or where that asset provides an essential service for the community, a vibration goal, which is more stringent than structural damage goals may need to be adopted. Examples of such structures and utilities include:

- tunnels
- pipelines
- fibre optic cables.

Specific vibration criteria would be determined on a case-by-case basis. In accordance with Condition E83, the services potentially affected by construction will be identified to determine requirements for diversion, protection and / or support. In consideration of proposed civils activities works are likely to be required in close proximity to existing utilities and services. In all cases, protection requirements or alterations to services will be determined by negotiation with the service providers. This will be managed in accordance with the specific process of the asset owner, and as identified in the Project Interface Management Plan. Disruption to services resulting from construction will be avoided, wherever possible, and advised to customers where it is not possible. In lieu of specific vibration criteria being provided by the asset owner, screening criteria would be adopted from guidance provided in DIN 4150-3 for buried pipework. The screening criteria is outlined in Table 14.

Table 14 – Guideline values for vibration velocity to be used when evaluating the effects of vibration on buried pipework

Pipe Material	Guideline values for velocity measured on the pipe, v_i , in mm/s
Steel (including welded pipes)	100
Clay, concrete, reinforced concrete, pre-stressed concrete, metal (with or without flange)	80
Masonry, plastic	50

4.4.3.1 Warragamba to Prospect Water Supply Pipeline

Guidelines for Development Adjacent to the Upper Canal and Warragamba Pipelines (WaterNSW, 2020) outlines that jackhammering, piling and excavation methods must be undertaken in manner that complies with German Standard DIN 4150-3:2016 (2.5 mm/s PPV) for construction works occurring in proximity to the pipelines.

In accordance with REMM NV2, a DNVIS must be undertaken in accordance with the WaterNSW Guideline to avoid the potential for vibration impacts upon the Warragamba to Prospect Water Supply Pipeline. This DNVIS has been developed to address the requirements of REMM NV2 and a detailed vibration assessment is included in Section 5.2.3.2.

4.4.4 Safe working distance

Where vibration intensive works are required to be undertaken within the specific minimum working distances, vibration monitoring should be undertaken to ensure acceptable levels of vibration are satisfied. In relation to human comfort, the minimum working distances relate to continuous vibration. For most construction activities, vibration emissions would be intermittent in nature and for this reason, higher vibration levels, occurring over shorter periods may be allowed. Table 15 presents the recommended minimum working distances for vibration intensive plant.

Table 15 – Recommended minimum working distances for vibration intensive plant

Plant item	Rating / description	Minimum working distance – cosmetic damage (BS7385)	Minimum working distance – human response (DECC 2006)
Vibratory roller	< 50 kN (Typically 1-2 tonnes)	5 m	15 m to 20 m
	< 100 kN (Typically 2-4 tonnes)	6 m	20 m
	< 200 kN (Typically 4-6 tonnes)	12 m	40 m
	< 300 kN (Typically 7-13 tonnes)	15 m	100 m
	> 300 kN (Typically 13-18 tonnes)	20 m	100 m
	> 300 kN (> 18 tonnes)	25 m	100 m
Small Hydraulic Hammer	(300 kg – 5 to 12t excavator)	2 m	7 m
Medium Hydraulic Hammer	(900 kg – 12 to 18t excavator)	7 m	23 m
Large Hydraulic Hammer	(1600 kg – 18 to 34t excavator)	22 m	73 m
Vibratory Pile Driver	Sheet piles	2 m to 20 m	20 m
Pile Boring	≤ 800 mm	2 m (nominal)	4 m
Jackhammer	Handheld	1 m (nominal)	2 m

5. Construction noise and vibration assessment

5.1 Construction activities

Prediction of construction noise levels at sensitive receivers was modelled using the SoundPLAN (Version 8.2) noise modelling software based on the ISO9613 prediction algorithm. This three-dimensional model accounts for noise source and receiver locations, ground and air absorption as well as any acoustic shielding provided by intervening topography and structures. Conservatively, it does not include any standard or project-specific mitigation measures. Proposed mitigation measures, and their acoustical benefits are detailed in Section 6.

Construction noise activities and proposed equipment are indicated in Table 16. Sound Power Levels (L_w) of equipment were either sourced from Transport for NSW's "Construction Noise and Vibration Strategy", the UK's Department for Environment, Food and Rural Affairs "Update of Noise Database for Prediction of Noise On Construction and Open Sites", or Resonates construction plant & equipment noise database.

Table 16 – Construction stages and sound power levels used in the modelling of construction noise

Scope	Staging	OOHW period (D/E/N) ⁽¹⁾	Activity	Plant and equipment	Plant items total	Plant operating time (%)	Individual plant item L_w , dB(A) ⁽²⁾	Individual plant item $L_{eq\ 15min}$, dB(A)	Individual plant item L_{max} , dB(A)
Warragamba Pipeline Works	Activity 1 – Earthworks	D/E/N	Topsoil stripping	Grader	1	50	113	110	118
			Fencing installation	Post driver	1	50	116	113	121
			Cut/ fill material	D6 Dozer (Dozer (tracking) – equiv. CAT D8) ²	1	50	118 ⁽³⁾	115	123
			Place sandstone crane / piling pads	Padfoot roller	1	25	109	103	111
			Cut/ fill material	Place sandstone crane / piling pads	1	25	105	99	107
			Stormwater trenching and laying	20T Excavator	1	25	105	99	107

Scope	Staging	OOHW period (D/E/N) ⁽¹⁾	Activity	Plant and equipment	Plant items total	Plant operating time (%)	Individual plant item L _w , dB(A) ⁽²⁾	Individual plant item L _{eq 15min} , dB(A)	Individual plant item L _{max} , dB(A)
	Activity 2a – Structures (piling activities)	D/E/N	Pile drilling	Piling rig (Bored)	1	50	111	108	116
			Moving pile cage	Crane mobile	1	50	113	110	118
			Pile trimming	Excavator (Approx. 10T)	1	66	100	98	106
				Compressor 4.5 m ³ /min	1	50	107	104	112
				Jackhammer	1	50	121 ⁽³⁾	123	131
	Activity 2b – Structures (FRP activities)	D/E/N	Install reo cage and formwork	Crane mobile	1	50	113	110	118
			Concrete truck delivery and placement	Concrete agitator	1	100	109	109	117
			Concrete vibration	Concrete vibrator	1	50	113	110	118
			Relocating materials	Forklift	1	50	100	97	105
	Luddenham Roundabout Works	Activity 3 – Roundabout service installation works	D/E/N	Potholing services	Sucker truck (Vacuum truck)	1	50	109	106
Service / stormwater installation crew				14T Excavator	1	50	100	97	105
				22T Wheeled excavator	1	50	105	102	110
				CC10 roller (smooth drum roller)	1	50	107	104	112
				Plate compactor (Jumping jack)	1	50	106	103	111

Scope	Staging	OOHW period (D/E/N) ⁽¹⁾	Activity	Plant and equipment	Plant items total	Plant operating time (%)	Individual plant item L _w , dB(A) ⁽²⁾	Individual plant item L _{eq 15min} , dB(A)	Individual plant item L _{max} , dB(A)
				Hand tools	2	50	94	94	102
			Asphalt cutting	Road saw	1	25	118	117	125
			Other	Bogie tippers	2	50	103	100	108
				Lighting towers	1	100	98	98	106
				Traffic control vehicle	3	33	103	103	111
	Activity 4 – Barrier installation	N	Barrier installation	Road truck 39T	1	25	108	102	110
				Franna crane	1	50	98	95	103
				Lighting tower	1	100	98	98	106
				Traffic control vehicle	3	33	103	103	111
	Activity 5 – Road box out and pavement placement	D	Pavement placement	24T wheeled excavator	1	50	110	107	115
				25T excavator	1	50	110	107	115
				Grader	1	50	113	110	118
				Smooth drum roller	1	66	107	105	113
				Watercart	1	100	107	107	115
				Moxie	3	66	110	113	121
				30T excavator at Celestino's	1	50	110	107	115
Activity 6 – FRP	D/E/N	FRP	Concrete agitator	1	25	109	103	111	
			Kerb machine	1	25	114	108	116	
			Hand tools	1	66	94	92	100	
			Traffic control vehicle	3	33	103	103	111	

Scope	Staging	OOHW period (D/E/N) ⁽¹⁾	Activity	Plant and equipment	Plant items total	Plant operating time (%)	Individual plant item L _w , dB(A) ⁽²⁾	Individual plant item L _{eq 15min} , dB(A)	Individual plant item L _{max} , dB(A)
Viaduct Construction	Activity 7 – Road asphaltting	D/E/N	Road asphaltting	Lighting tower	1	100	98	98	106
				Pavement machine	1	66	114	112	120
				Road truck 39T	1	25	108	102	110
				Smooth drum roller	1	66	107	105	113
				Bobcat (Skid steer ½ tonne)	1	66	107	105	113
				Multi tyre roller	1	66	107	105	113
				Buggy (Skid steer ½ tonne)	1	66	107	105	113
				Lighting tower	1	100	98	98	106
				Traffic control vehicle	3	33	103	103	111
	Activity 8- Line marking and signage installation	D/E/N	Line marking	Line marking machine	1	66	108	106	114
				Hand tools	1	50	94	91	99
				Light vehicles	2	33	103	101	109
				Traffic control vehicle	3	33	103	103	111
	Lighting (all activities)	E/N	Lighting	Lighting tower	4	100	98	104	112
			Lighting within Celestino's	Lighting tower	4	100	98	104	112
	Activity 9 – Viaduct	D	Fill / Placement	D6 Dozer (Dozer (tracking) –	1	50	118 ⁽³⁾	115	123

Scope	Staging	OOHW period (D/E/N) ⁽¹⁾	Activity	Plant and equipment	Plant items total	Plant operating time (%)	Individual plant item L _w , dB(A) ⁽²⁾	Individual plant item L _{eq 15min} , dB(A)	Individual plant item L _{max} , dB(A)
alignment earthworks				equiv. CAT D8) ²					
				Grader	1	50	113	110	118
				Excavator	3	66	110	108	116
				Landfill compactor (equiv. 20 T excavator)	1	100	105	105	113
				Dump truck	2	66	110	111	119
				Truck and Dogs (x5 per 15 mins)	1	66	108	105	113
				Activity 10 – Viaduct alignment earthworks	D	Haul road	D6 Dozer (Dozer (tracking) – equiv. CAT D8) ²	1	50
Activity 10 – Viaduct alignment earthworks				Grader	1	50	113	110	118
				30T Excavator	1	66	110	108	116
				Padfoot/ smooth drum roller	1	50	109	107	115
				Dump truck	2	66	110	111	119
				Truck and Dogs (x2 per 15 mins – 100 loads)	1	100	108	108	116
				Water cart	1	100	107	107	115

Scope	Staging	OOHW period (D/E/N) ⁽¹⁾	Activity	Plant and equipment	Plant items total	Plant operating time (%)	Individual plant item L _w , dB(A) ⁽²⁾	Individual plant item L _{eq 15min} , dB(A)	Individual plant item L _{max} , dB(A)
	Activity 11 – Viaduct alignment	D/E	Piling works	110T crawler crane	1	50	113	110	118
				Piling rig	1	33	111	106	114
				Excavator	1	66	105	103	111
				Lighting tower	2	100	98	101	109
				EWP	1	33	98	93	101
	Activity 12 – Viaduct alignment	D/E/N	Oversized deliveries	110T crawler crane	1	50	113	110	118
				Lighting tower	2	100	98	101	109
				Trucks	2	25	108	105	113
	Activity 13 – Viaduct alignment	D/E	Piling (while pouring)	110T Crawler crane	1	50	113	110	118
				Lighting tower	1	100	98	98	106
				EWP	1	33	98	93	101
				Concrete truck discharging (Concrete agi)	1	100	109	109	117
				Concrete pump truck	2	50	109	109	117
	Activity 14 – Viaduct alignment	D/E	FRP works – Steel fixing	Welding equipment	1	25	105	99	107
				Battery grinders	1	25	102	96	104
				Hand tools (electric)	1	25	102	96	104
				110T Crawler crane	1	100	113	113	121
				6T telehandler	1	25	100	94	102

Scope	Staging	OOHW period (D/E/N) ⁽¹⁾	Activity	Plant and equipment	Plant items total	Plant operating time (%)	Individual plant item L _w , dB(A) ⁽²⁾	Individual plant item L _{eq 15min} , dB(A)	Individual plant item L _{max} , dB(A)
				Lighting tower	2	100	98	101	109
	Activity 15 – Viaduct alignment	D/E	FRP works – formwork installation	110T Crawler crane	1	50	113	110	118
				6T telehandler	1	33	100	95	103
				Impact wrench	3	33	111	106	114
				Hand tools	-	25	94	88	96
				Lighting tower	2	100	98	101	109
				Elevated work platform	1	66	98	96	104
	Activity 16 – Viaduct alignment		FRP works – concreting	Concrete truck discharging (Concrete agi)	1	100	109	109	117
				Concrete pump truck	2	50	109	109	117
				Concrete vibrators	2	66	113	114	122
				6T telehandler	1	33	100	95	103
				Hand tools	1	25	94	88	96
				Lighting tower	1	100	98	98	106

(1) D = Daytime OOH period, E = Evening period, N = Night-time period.

(2) 5 dB penalty applied for high noise impact activities, having the qualities of being Impulsive, intermittent, tonal, or low frequency. Penalty not included in displayed value.

(3) *Sydney Metro Construction Noise and Vibration Strategy: 2018*

5.2 Out of hours Works Discussion

Construction activities as detailed in Table 16 are assessed as part of this DNVIS across both Standard Construction and Out of Hours Periods to inform the project OOHW process and facilitate compliance with the Project EPL.

Luddenham Road Roundabout works are subject to ROL requirements and will be undertaken over an approximate 8 week period in August/September 2023 in accordance with EPL Condition L5.7(b).

Viaduct Construction / Structures works (Activities 9-16) will be conducted within the area's identified in Appendix A for approximately 12 months. The works have been assessed during the day, evening, and night periods to help facilitate the CPBUI Community Engagement Team's consultation process if Out of Hours works are required for any of the assessed activities as a result of program constraints.

Should the project need to operate outside of standard construction hours this assessment will be used to determine the impacted receivers to allow CPBUI to complete a negotiated agreement in accordance with EPL condition E1.1 or be used to support the application for an EPL variation.

5.3 Noise and vibration impacts

5.3.1 Construction noise assessment

L_{Aeq} noise contours from the construction activity are presented in Appendix B – Noise contours. Detailed predictions of noise levels from construction activities at individual residences are presented in Appendix C – Detailed noise predictions. The degree to which the NMLs are exceeded dictates the extent of additional noise mitigation measures (refer to Section 6.2).

5.3.1.1 Day OOHW assessment summary

The following summarises the noise levels and NML exceedances for each construction scenario during the out of hours daytime period as presented in Appendix C.

Table 17 - Construction noise assessment out of hours daytime summary

Construction stage	Number of receivers exceeding NMLs (Day OOHW)	Worst case predicted noise level dB(A)	Number of receivers predicted to be in the highly noise affected category (> 75 dB(A))
Activity 1	97	55	0
Activity 2a	362	60	0
Activity 2b	13	51	0
Activity 3	441	60	0
Activity 5	368	67	0
Activity 6	90	60	0
Activity 7	210	65	0
Activity 8	70	58	0
Activity 9	480	72	0
Activity 10	398	71	0
Activity 11	28	55	0
Activity 12	19	54	0
Activity 13	98	58	0
Activity 14	42	57	0
Activity 15	22	55	0
Activity 16	178	60	0

5.3.1.2 Evening OOHW assessment summary

The following summarises the noise levels and NML exceedances for each construction scenario during the out of hours evening period as presented in Appendix C.

Table 18 - Construction noise assessment evening summary

Construction stage	Number of receivers exceeding NMLs (Evening OOHW)	Worst case predicted noise level dB(A)	Number of receivers predicted to be in the highly noise affected category (> 75 dB(A))
Activity 1	164	55	0
Activity 2a	379	60	0
Activity 2b	62	51	0
Activity 3	384	60	0
Activity 6	105	60	0
Activity 7	310	65	0
Activity 8	79	58	0
Activity 11	126	55	0
Activity 12	80	54	0
Activity 13	250	58	0
Activity 14	166	57	0
Activity 15	97	55	0
Activity 16	316	60	0

5.3.1.3 Night-time OOHW assessment summary

The following summarises the noise levels and NML exceedances for each construction scenario during the most stringent out of hours Period 2 (night-time) as presented in Appendix C.

Table 19 - Construction noise assessment night-time summary

Construction stage	Number of receivers exceeding NMLs (Night OOHW)	Worst case predicted noise level dB(A)	Number of receivers predicted to be in the highly noise affected category (> 75 dB(A))
Activity 1	168	55	0
Activity 2a	418	60	0
Activity 2b	62	51	0
Activity 3	387	41	0
Activity 4	52	56	0
Activity 6	105	60	0
Activity 7	310	65	0
Activity 8	79	58	0
Activity 12	81	54	0
Activity 16	355	60	0

Discussion on sleep disturbance

A detailed maximum noise level event assessment has been undertaken when night-time noise levels at a residential receiver are predicted to exceed:

- $L_{eq,15min}$ 40 dB(A) or the prevailing RBL plus 5 dB, whichever is the greater, and/or
- L_{fmax} 52 dB(A) or the prevailing RBL plus 15 dB, whichever is the greater.

A summary of exceedances by activity is provided in Table 20 and the detailed predictions for individual residences are presented in Appendix D – Sleep disturbance.

Table 20 – Sleep disturbance noise assessment

Activity	Number of receivers exceeding sleep disturbance criteria
Activity 1	53
Activity 2a	202
Activity 2b	7
Activity 3	221
Activity 4	25
Activity 6	45
Activity 7	105
Activity 8	35
Activity 12	10
Activity 16	120

5.3.2 Construction traffic

The results of the construction traffic assessment presented in Table 4-31 of the EIS, and shown in Figure 3 indicate that construction road traffic noise levels are predicted to comply with relevant RNP noise criteria at the majority of project affected roads. SCAW construction traffic will access worksites via the designated heavy vehicle routes illustrated in Figure 4. There is no significant construction traffic increase associated with the proposed works and therefore, no additional noise mitigation or management measures would be required at these locations.

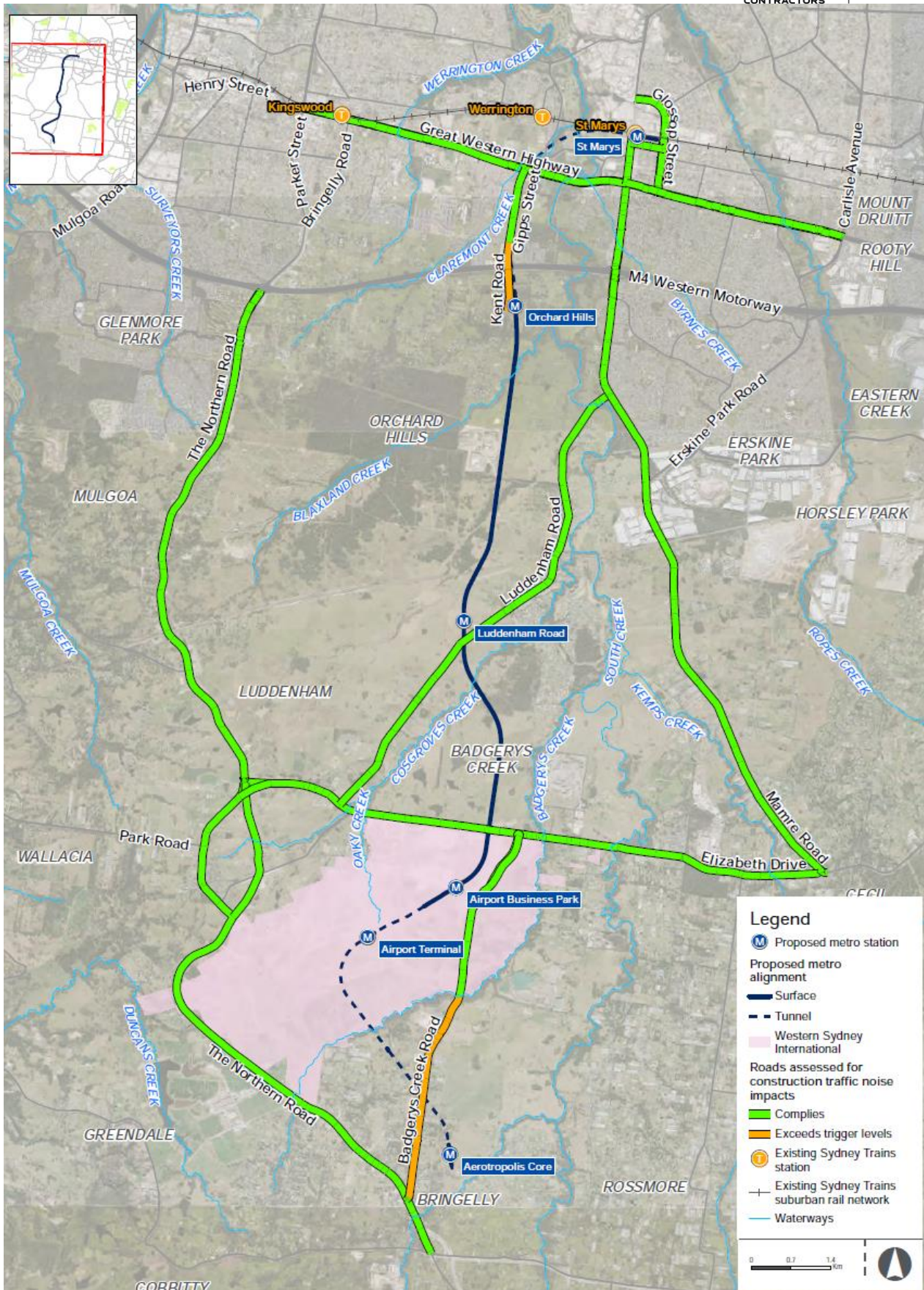


Figure 3 – Roads considered for EIS construction traffic noise assessment

5.3.2.1 Ground-borne noise

Ground-borne noise results from the transmission of vibration rather than the direct transmission of noise through the air. Ground-borne (or regenerated) construction noise is often of primary concern on tunnelling projects when vibration from activities such as rock-breaking, road heading, rotary cutting, tunnel boring and rock drilling/sawing can be transmitted through the ground and into the habitable areas of nearby buildings. Ground-borne noise occurs when this vibration in the ground and/or building elements is regenerated as audible noise within areas of occupancy inside the building.

The ICNG defines internal ground-borne noise goals for residential receivers of 40 dB(A) Leq(15min) during the evening (6 pm to 10 pm) and 35 dB(A) Leq(15min) during the night-time (10 pm to 7 am). These goals are only applicable when ground-borne noise levels are higher than airborne noise levels.

Due to the distance between construction works and receivers, ground-borne noise impacts are expected to be negligible in comparison to airborne noise impacts. For this reason, ground-borne noise is not anticipated to be the controlling factor for these proposed works and therefore further assessment is not warranted. As identified in the EIS, the application of standard mitigation measures for the control of airborne noise emissions and vibration is expected to adequately address ground-borne noise.

5.3.3 Construction vibration assessment

5.3.3.1 Cosmetic damage and human response assessment

Vibration intensive plant have been proposed for two activities, i.e. Activity 2a and Activity 11. There are no vibration intensive plant items proposed for the rest of the activities. The plant items proposed for the two activities include:

- Activity 2a – pile boring rig and jackhammer
- Activity 11 – pile boring rig

The construction vibration assessment of the proposed vibration intensive plant has been conducted and is summarised in Table 21 below.

Table 21 – Construction vibration assessment summary

Activity	Plant item	Nearest receiver(s)	Distance between activity and nearest receiver (m)	Cosmetic damage assessment		Human response assessment	
				Minimum working distance (m)	Compliance with minimum distance (Yes / No)	Minimum working distance (m)	Compliance with minimum distance (Yes / No)
2a	Pile boring rig	NCA10.RES.292	500	2	Yes	4	Yes
	Jackhammer		500	1	Yes	2	Yes
11	Pile boring rig	NCA10.RES.302, NCA10.RES.311	300	2	Yes	4	Yes

Based on the vibration assessment summary presented in Table 21, the vibration intensive plant items proposed for Activity 2a and Activity 11 will not adversely impact on any surrounding noise sensitive receivers. Therefore, additional vibration mitigation measures will not be required. There are no heritage structures in proximity to Activity 2a and Activity 11 and no other plant or equipment identified in Table 16 is considered a vibration risk due to offset distances to nearby sensitive receivers.

5.3.3.2 Warragamba pipeline construction vibration assessment

Activities 1, 2a and 2b have been proposed to be conducted in close proximity to the Warragamba pipelines. However, only Activity 2a will require the use of vibration intensive plant items, including:

- Pile boring rig
- Jackhammer

Based on a review of the viaduct structural drawing the nearest distances from the Activity 2a works to the Northern pipeline (diameter 3000 mm) and Southern pipeline (diameter 2100 mm) have been determined to be approximately 12 metres and 16 metres respectively. These distances are above the 4 metres minimum working distance for the identified vibratory intensive equipment as assessed in the *Noise and Vibration Management Sub-plan*. This would mean that the usage of a pile boring rig and jackhammer as part of Activity 2a works would likely not exceed the 2.5 mm/s vibration limit at the Warragamba pipelines.

Alternative construction methodologies should be considered to minimise or avoid the use of vibratory intensive plant adjacent to the Warragamba Pipeline, such as the use of pile trimming equipment for substructure breakback to avoid the use of a jackhammer.

For all activities, attended vibration monitoring should be undertaken at the commencement of works to confirm vibration velocity levels do not exceed the vibration limit. Vibration monitoring should be conducted at the shortest distance between the pipeline structure and SCAW works. Monitoring should continue until it has been demonstrated that the works at the nearest locations to the pipelines would remain below the vibration limit.

6. Mitigation and management

6.1 Standard construction noise mitigation measures

The CNVG outlines standard mitigation measures that should be incorporated by default in all construction projects. Those most relevant to the construction of the project are listed below.

- Restricting works to standard construction hours as far as practicable, considering safety and traffic management requirements
- Selecting quieter plant and equipment
- Maximising offset distances between receivers and noisy plant or activities
- Orientating plant and processes away from residences
- Regularly maintaining and monitoring plant and equipment to ensure that their noise emissions are not excessive
- Minimising the annoyance from reversing alarms by either fitting closed circuit monitors or non-tonal reversing alarms (“quackers”) on vehicles or deploying ‘spotters’ to oversee reversing movements. Sites should be designed to minimise or remove the need for plant to undertake reversing manoeuvres
- Reducing throttle settings and switching off equipment when it’s not being used.
- Screening noise-intensive processes such as jackhammering by the use of mobile screens. Such screens can reduce noise levels by approximately 5-10 dB(A) where the line of sight to a receiver from the works is blocked.

6.2 Additional construction noise mitigation measures

Table 22 presents the additional mitigation measures that are recommended in the Sydney Metro *Construction Noise and Vibration Standard* that are based on the extent of NML exceedance. These predicted levels are shown by receiver for each construction stage in Appendix C – Detailed noise predictions.

Table 22 – Additional mitigation measures – Airborne construction noise

Time Period		Mitigation Measures Predicted $L_{Aeq(15 \text{ minute})}$ noise level above NML			
		0 to 10 dB	10 to 20 dB	20 to 30 dB	> 30 dB
Approved construction hours	Mon-Fri (7.00 am - 6.00 pm)	-	LB	LB, M, SN	LB, M, SN
	Sat (8.00 am - 1.00 pm)				
	Sun/Pub Hol (Nil)				
OOHW (Evening)	Mon-Fri (6.00 pm - 10.00 pm)	LB	LB, M	LB, M, SN, RO	LB, M, SN, IB, PC, RO
	Sat (1.00 pm - 10.00 pm)				
	Sun/Pub Hol (8.00 am - 6.00 pm)				
OOHW (Night)	Mon-Fri (10.00 pm - 7.00 am)	LB	LB, M, SN, RO	LB, M, SN, IB, PC, RO, AA	LB, M, SN, IB, PC, RO, AA
	Sat (10.00 pm - 8.00 am)				
	Sun/Pub Hol (6.00 pm - 7.00 am)				

Note: Phone calls (PC), Monitoring (M), Individual briefings (IB), alternative accommodation (AA), specific notification (SN), letterbox drop (LB), duration reduction (DR), Project specific respite offer (RO)

Additional mitigation measures by construction stage are presented in Table 23 below.

Table 23 – Additional mitigation measures by construction stage and NCA

Activity	Additional mitigation measures	Number of receivers eligible for additional mitigation measures	
		NCA09/09A	NCA10/10A
Activity 1			
OOHW 1 (Daytime)	LB	1	54
	LB, M	0	1
	LB, M, SN, RO	0	0
	LB, M, SN, IB, PC, RO	0	0
OOHW 1 (Evening)	LB	0	195
	LB, M	1	3
	LB, M, SN, RO	0	0
	LB, M, SN, IB, PC, RO	0	0
OOHW 2 (Night-time)	LB	7	195
	LB, M, SN, RO	1	3
	LB, M, SN, IB, PC, RO, AA	0	0
Activity 2a			
OOHW 1 (Daytime)	LB	5	212
	LB, M	1	4
	LB, M, SN, RO	0	0
	LB, M, SN, IB, PC, RO	0	0
OOHW 1 (Evening)	LB	10	334
	LB, M	1	49
	LB, M, SN, RO	0	1
	LB, M, SN, IB, PC, RO	0	0
OOHW 2 (Night-time)	LB	53	334
	LB, M, SN, RO	0	49
	LB, M, SN, IB, PC, RO, AA	1	2
Activity 2b			
OOHW 1 (Daytime)	LB	1	10
	LB, M	0	0
	LB, M, SN, RO	0	0
	LB, M, SN, IB, PC, RO	0	0
OOHW 1 (Evening)	LB	1	73
	LB, M	0	1
	LB, M, SN, RO	0	0
	LB, M, SN, IB, PC, RO	0	0
OOHW 2 (Night-time)	LB	2	73
	LB, M, SN, RO	1	1
	LB, M, SN, IB, PC, RO, AA	0	0
Activity 3			
	LB	0	230

Activity	Additional mitigation measures	Number of receivers eligible for additional mitigation measures	
		NCA09/09A	NCA10/10A
OOHW 1 (Daytime)	LB, M	0	38
	LB, M, SN, RO	0	0
	LB, M, SN, IB, PC, RO	0	0
OOHW 1 (Evening)	LB	0	311
	LB, M	0	62
	LB, M, SN, RO	0	13
	LB, M, SN, IB, PC, RO	0	0
OOHW 2 (Night-time)	LB	4	311
	LB, M, SN, RO	0	62
	LB, M, SN, IB, PC, RO, AA	0	6
Activity 4			
OOHW 2 (Night-time)	LB	0	0
	LB, M, SN, RO	0	0
	LB, M, SN, IB, PC, RO, AA	0	0
Activity 5			
OOHW 1 (Daytime)	LB	0	56
	LB, M	0	2
	LB, M, SN, RO	0	1
	LB, M, SN, IB, PC, RO	0	0
Activity 6			
OOHW 1 (Daytime)	LB	0	47
	LB, M	0	1
	LB, M, SN, RO	0	0
	LB, M, SN, IB, PC, RO	0	0
OOHW 1 (Evening)	LB	0	123
	LB, M	0	15
	LB, M, SN, RO	0	1
	LB, M, SN, IB, PC, RO	0	0
OOHW 2 (Night-time)	LB	0	123
	LB, M, SN, RO	0	15
	LB, M, SN, IB, PC, RO, AA	0	0
Activity 7			
OOHW 1 (Daytime)	LB	0	123
	LB, M	0	15
	LB, M, SN, RO	0	1
	LB, M, SN, IB, PC, RO	0	0
OOHW 1 (Evening)	LB	0	306
	LB, M	0	43
	LB, M, SN, RO	0	1
	LB, M, SN, IB, PC, R	0	0

Activity	Additional mitigation measures	Number of receivers eligible for additional mitigation measures	
		NCA09/09A	NCA10/10A
OOHW 2 (Night-time)	LB	1	306
	LB, M, SN, RO	0	43
	LB, M, SN, IB, PC, RO, AA	0	0
Activity 8			
OOHW 1 (Daytime)	LB	0	40
	LB, M	0	1
	LB, M, SN, RO	0	0
	LB, M, SN, IB, PC, RO	0	0
OOHW 1 (Evening)	LB	0	85
	LB, M	0	7
	LB, M, SN, RO	0	1
	LB, M, SN, IB, PC, RO	0	0
OOHW 2 (Night-time)	LB	0	85
	LB, M, SN, RO	0	7
	LB, M, SN, IB, PC, RO, AA	0	0
Activity 9			
OOHW 1 (Daytime)	LB	22	264
	LB, M	0	6
	LB, M, SN, RO	0	0
	LB, M, SN, IB, PC, RO	0	0
Activity 10			
OOHW 1 (Daytime)	LB	13	216
	LB, M	0	6
	LB, M, SN, RO	0	0
	LB, M, SN, IB, PC, RO	0	0
Activity 11			
OOHW 1 (Daytime)	LB	1	19
	LB, M	0	0
	LB, M, SN, RO	0	0
	LB, M, SN, IB, PC, RO	0	0
OOHW 1 (Evening)	LB	0	157
	LB, M	1	4
	LB, M, SN, RO	0	0
	LB, M, SN, IB, PC, RO	0	0
Activity 12			
OOHW 1 (Daytime)	LB	1	11
	LB, M	0	0
	LB, M, SN, RO	0	0
	LB, M, SN, IB, PC, RO	0	0
	LB	1	112

Activity	Additional mitigation measures	Number of receivers eligible for additional mitigation measures	
		NCA09/09A	NCA10/10A
OOHW 1 (Evening)	LB, M	0	3
	LB, M, SN, RO	0	0
	LB, M, SN, IB, PC, RO	0	0
OOHW 2 (Night-time)	LB	2	112
	LB, M, SN, RO	1	3
	LB, M, SN, IB, PC, RO, AA	0	0
Activity 13			
OOHW 1 (Daytime)	LB	1	74
	LB, M	1	2
	LB, M, SN, RO	0	0
	LB, M, SN, IB, PC, RO	0	0
OOHW 1 (Evening)	LB	1	288
	LB, M	1	6
	LB, M, SN, RO	0	0
	LB, M, SN, IB, PC, RO	0	0
Activity 14			
OOHW 1 (Daytime)	LB	0	28
	LB, M	1	1
	LB, M, SN, RO	0	0
	LB, M, SN, IB, PC, RO	0	0
OOHW 1 (Evening)	LB	0	199
	LB, M	1	6
	LB, M, SN, RO	0	0
	LB, M, SN, IB, PC, RO	0	0
Activity 15			
OOHW 1 (Daytime)	LB	1	15
	LB, M	0	0
	LB, M, SN, RO	0	0
	LB, M, SN, IB, PC, RO	0	0
OOHW 1 (Evening)	LB	0	136
	LB, M	1	3
	LB, M, SN, RO	0	0
	LB, M, SN, IB, PC, RO	0	0
Activity 16			
OOHW 1 (Daytime)	LB	0	136
	LB, M	1	3
	LB, M, SN, RO	0	0
	LB, M, SN, IB, PC, RO	0	0
OOHW 1 (Evening)	LB	3	326
	LB, M	1	8

Activity	Additional mitigation measures	Number of receivers eligible for additional mitigation measures	
		NCA09/09A	NCA10/10A
	LB, M, SN, RO	0	0
	LB, M, SN, IB, PC, RO	0	0
OOHW 2 (Night-time)	LB	56	326
	LB, M, SN, RO	0	8
	LB, M, SN, IB, PC, RO, AA	0	0

Note: Phone calls (PC), Monitoring (M), Individual briefings (IB), alternative accommodation (AA), specific notification (SN), letterbox drop (LB), duration reduction (DR), Project specific respite offer (RO)

Receivers that have been assessed to be eligible for alternative accommodation during Night-time works are presented in Table 24 below. The identified receivers are not assessed as highly noise impacted (>75dB) but are predicted to experience noise impacts >20dB above NML as per Table 22 above.

Table 24 – Receivers which may potentially require AA

Construction stage	NCA	Receiver number	Receiver address
Activity 2a	NCA09	321	327-329 LUDDENHAM ROAD
	NCA10	292	443-457 LUDDENHAM ROAD
Activity 3	NCA10	595	48 PORTRUSH CRESCENT
	NCA10	591	46 PORTRUSH CRESCENT
	NCA10	590	44 PORTRUSH CRESCENT
	NCA10	600	52 PORTRUSH CRESCENT
	NCA10	292	443-457 LUDDENHAM ROAD
	NCA10	557	19 PORTRUSH CRESCENT

6.3 Specific Mitigation Measures / Respite Periods

As per Condition of Approval E47 and E57, specific mitigation measures / respite periods are to be determined in consultation with impacted receivers.

The findings of this DNVIS will be used to inform the community consultation process outlined in the CPBUI Community and Stakeholder Engagement Strategy. Any receiver specific respite periods or mitigation measures identified as a result of community engagement will be included in a revision of this DNVIS.

6.4 Construction vibration

The assessments of construction vibration found that the risk of impact at surrounding receivers was low due to the large intervening distances between the construction works and surrounding receivers. As such, no specific mitigation measures are proposed, barring the limitation of use of vibratory compaction equipment within two metres of underground services.

Attended vibration measurements will be undertaken at the Warragamba Pipelines. The vibration measurements will be conducted at the pipelines at the commencement of vibration intensive works and where the works are located at the closest proximity to the pipelines. Monitoring should continue until it has been demonstrated that the works at the nearest locations to the pipelines would remain below the vibration limit.

7. Conclusion

This DNVIS has been completed to support the proposed out of hours works. Regarding construction noise, an assessment was carried out as per guidance presented in the Sydney Metro Construction Noise and Vibration Standard and the Construction Noise and Vibration Management Plan. The assessment identified the activities would potentially exceed the day, evening and night-time NMLs at a number of receivers, which are presented in Table 17, Table 18 and Table 19. The significance of these exceedances was evaluated and additional mitigation measures as presented in Table 23 have been determined.

Exceedances of the sleep disturbance criteria were predicted at a number of receivers which are presented in Table 20 and Appendix D – Sleep disturbance.

From the assessed exceedances of the night-time NMLs, the number of receivers that would potentially require alternative accommodation are as follows:

- Activity 2a – 2 receivers
- Activity 3 – 6 receivers.

All activities during the daytime, evening and night-time periods have been predicted to not exceed the highly noise affected criteria of 75dB.

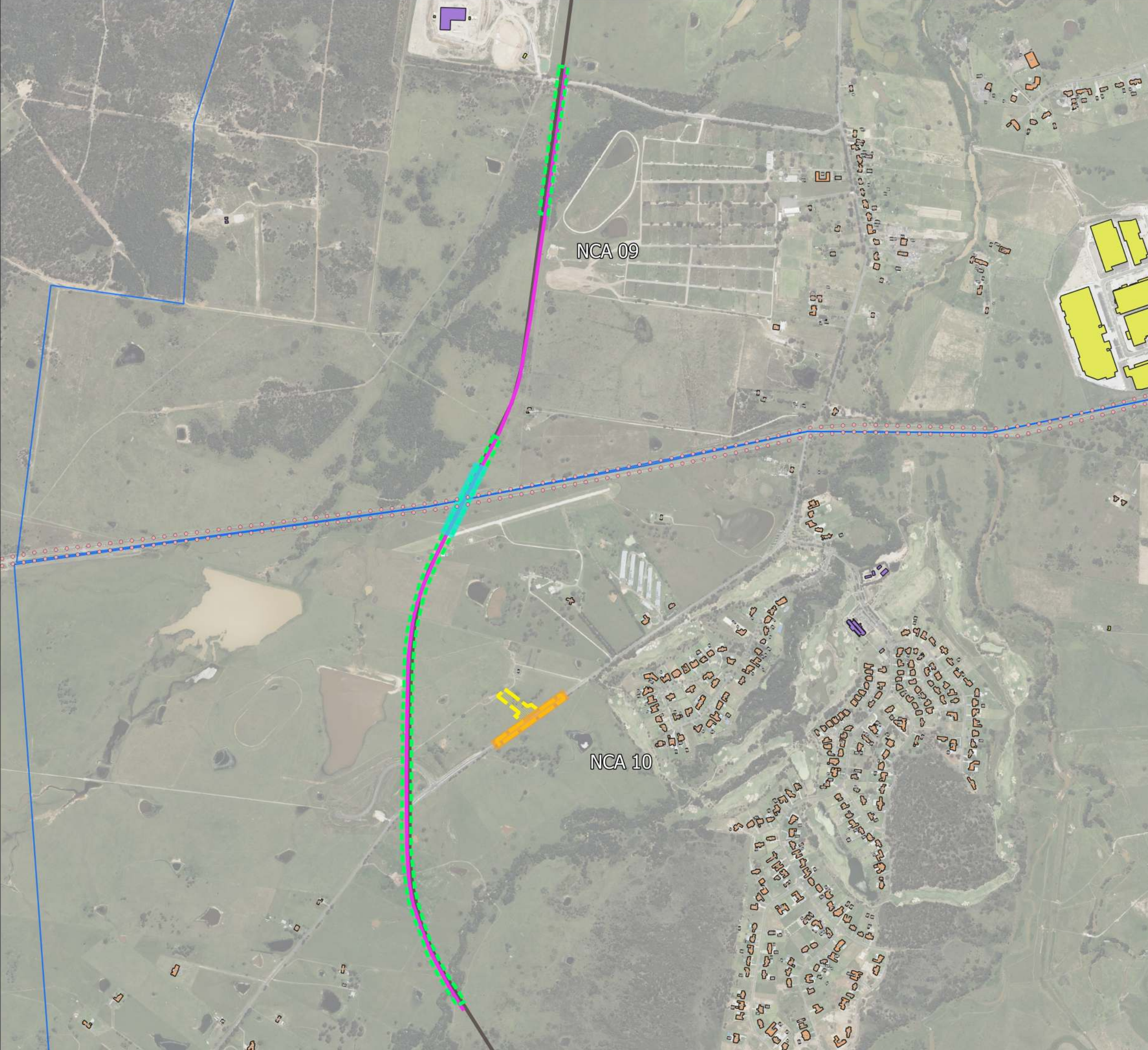
Due to the distance between construction works and receivers, ground-borne noise impacts are expected to be negligible in comparison to airborne noise impacts. For this reason, ground-borne noise is not anticipated to be the controlling factor for these proposed works and therefore further assessment is not warranted. As identified in the EIS, the application of standard mitigation measures for the control of airborne noise emissions and vibration is expected to adequately address ground-borne noise.

The assessments of construction vibration found that the risk of impact at surrounding receivers was low due to the large intervening distances between the construction works and surrounding receivers. As such, no specific mitigation measures are proposed, barring the limitation of use of vibratory compaction equipment within two metres of underground services.

Construction vibration is also assessed to achieve compliance with German Standard DIN 4150-3:2016 (2.5 mm/s PPV). **Nevertheless**, attended vibration measurements will be undertaken at the commencement of works until it has been demonstrated that the works at the nearest locations to the pipelines would remain below the vibration limit.

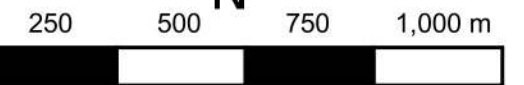
Appendix A – Site layout and works areas

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Legend

- Noise Catchment Areas
 - Warragamba Pipeline
 - Proposed metro alignment
 - Activities 1, 2a and 2b
 - Activity 3
 - Activities 4, 5, 6, 7 and 8
 - Earthworks
- Activities 9 and 10
 - Viaduct Alignment
- Activities 11, 12, 13, 14, 15 and 16
- Receivers
- Commercial
 - Industrial
 - Residential



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Appendix B – Noise contours










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Legend

 Noise Catchment Areas
 Proposed metro alignment

 Activities 1, 2a, and 2b

Predicted noise level, Leq dB(A)

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



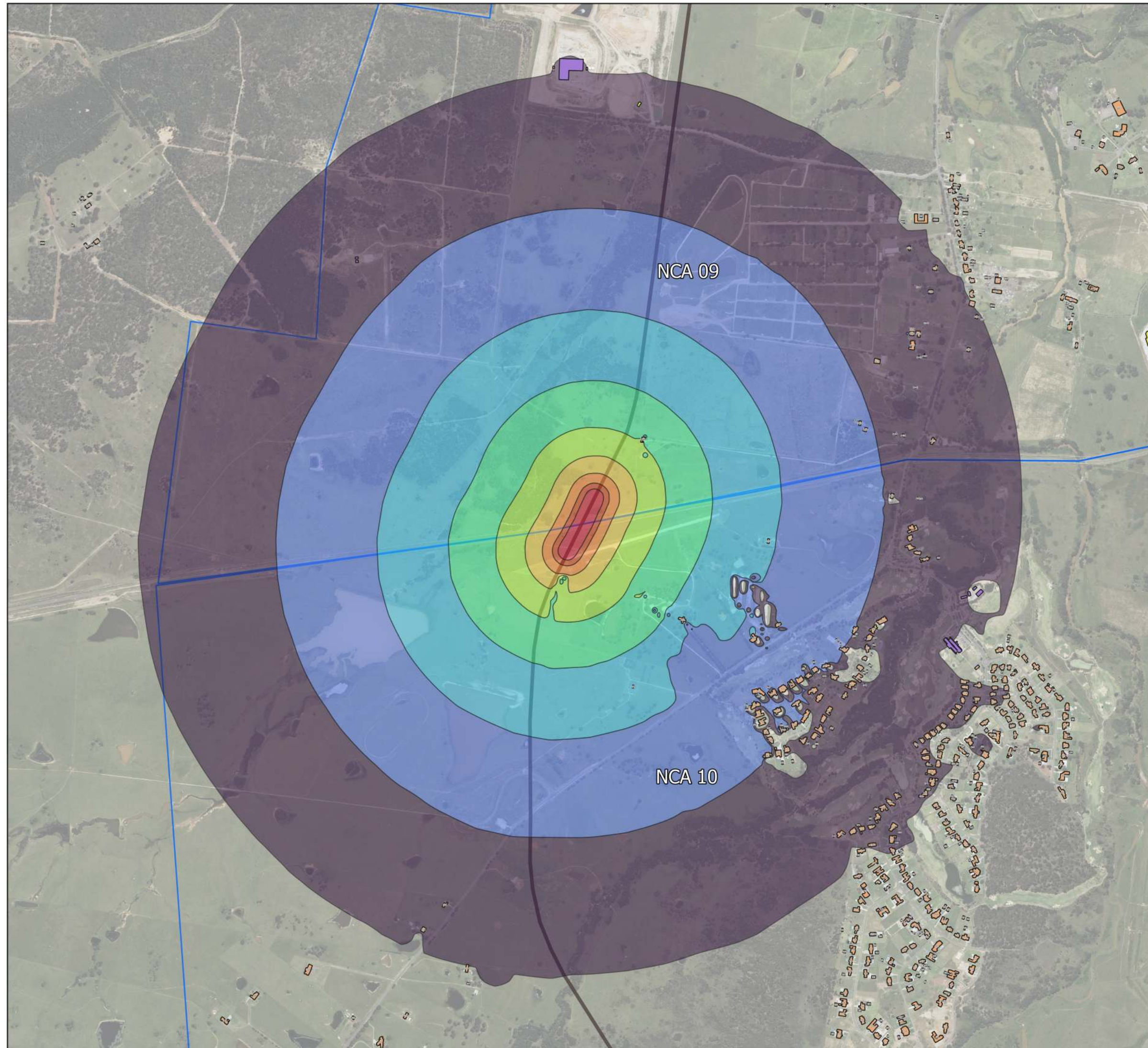
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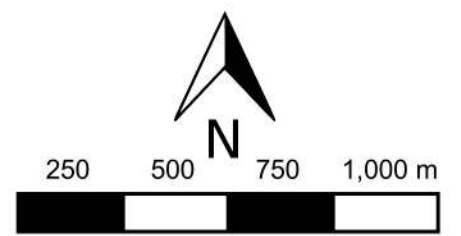
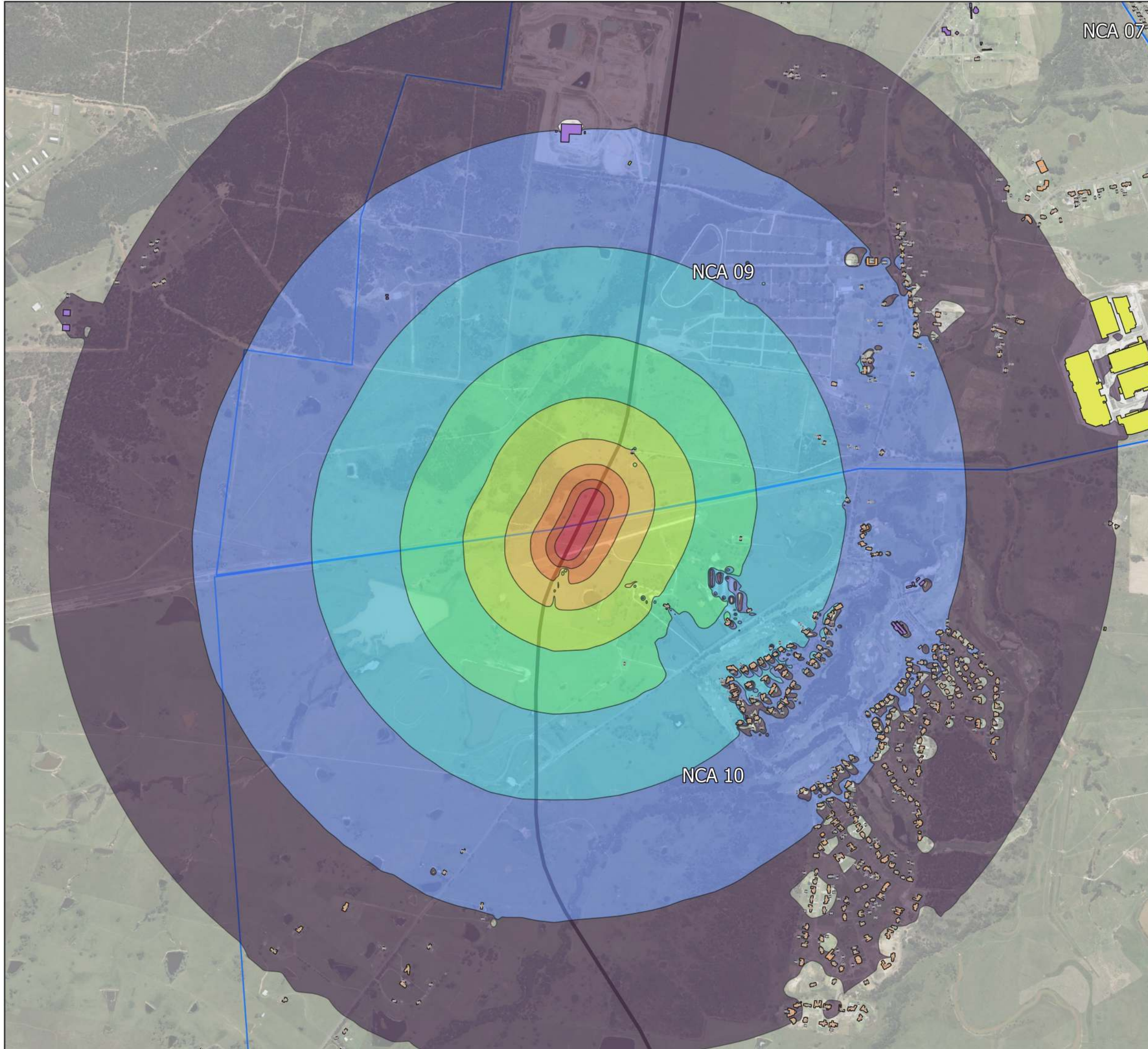
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Legend

- Noise Catchment Areas
- Proposed metro alignment

Predicted noise level, Leq dB(A)

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



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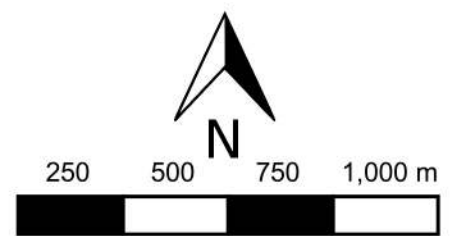
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Legend

- Noise Catchment Areas
- Proposed metro alignment

Predicted noise level, Leq dB(A)

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



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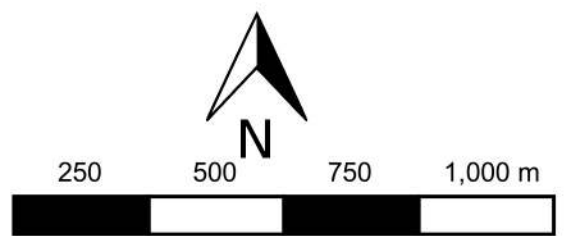
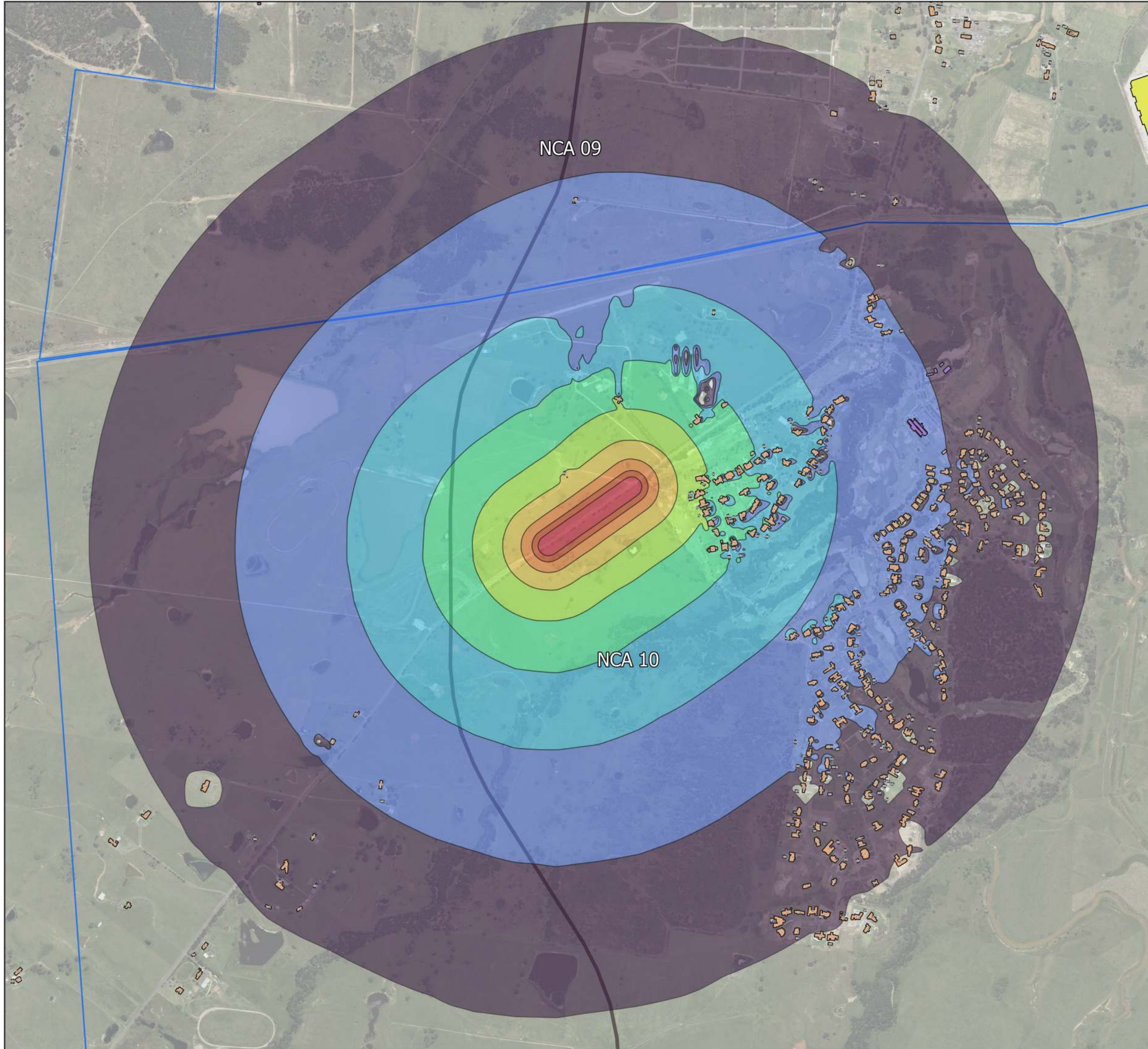
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Legend

- Noise Catchment Areas
- Proposed metro alignment

Predicted noise level, Leq dB(A)

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





Datum GDA2020, Projection MGA ZONE 56











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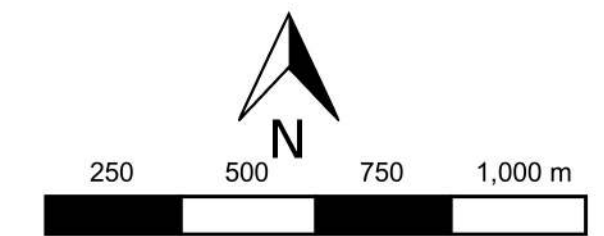
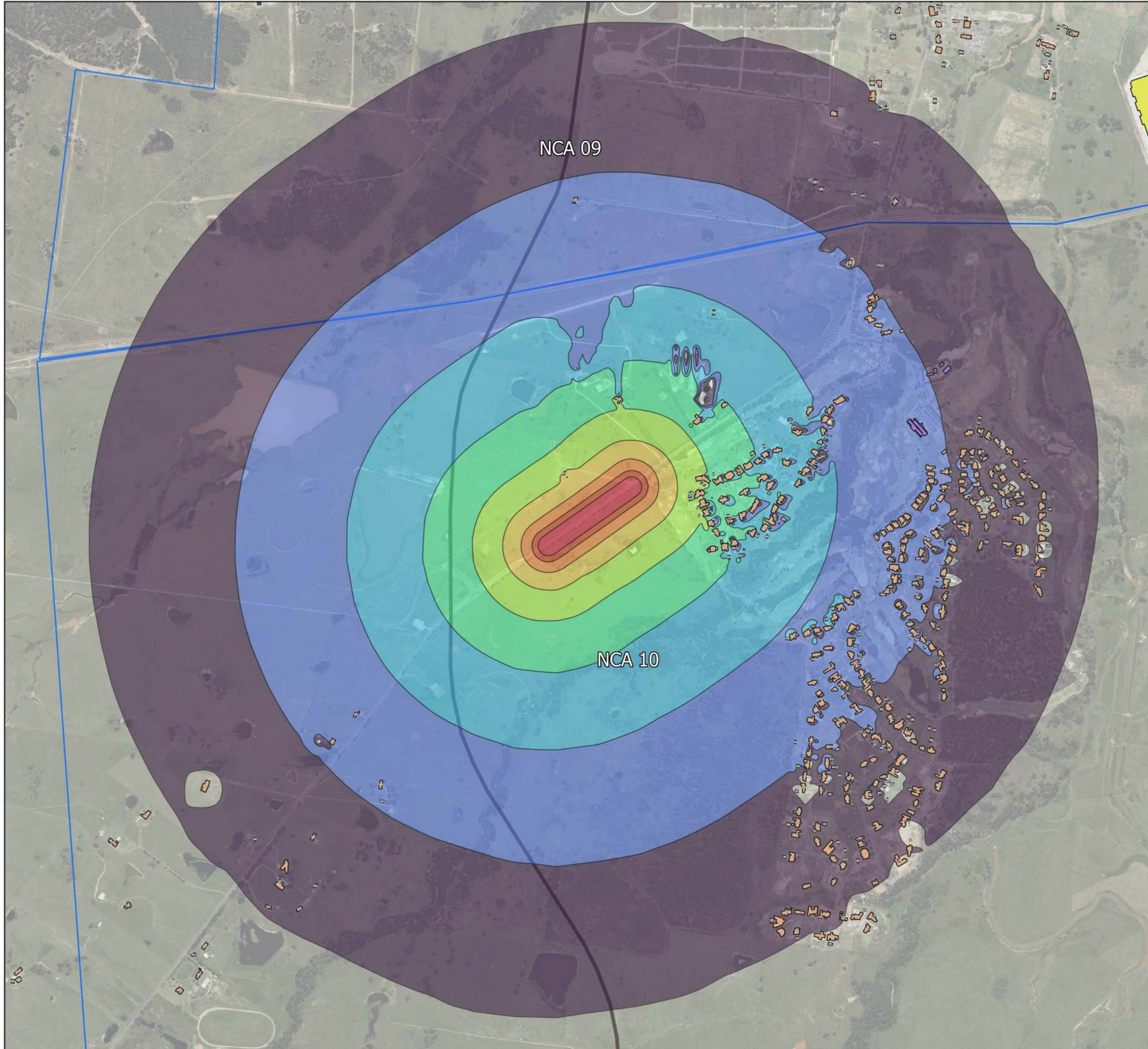
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Legend

-  Noise Catchment Areas
-  Proposed metro alignment

Predicted noise level, Leq dB(A)

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





Datum GDA2020, Projection MGA ZONE 56












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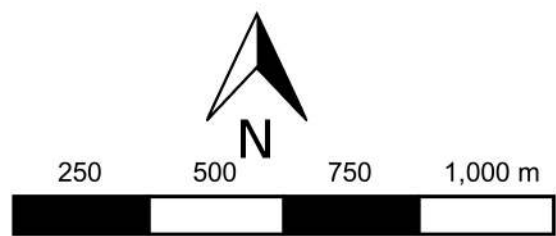
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Legend

-  Noise Catchment Areas
-  Proposed metro alignment

Predicted noise level, Leq dB(A)

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





Datum GDA2020, Projection MGA ZONE 56

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








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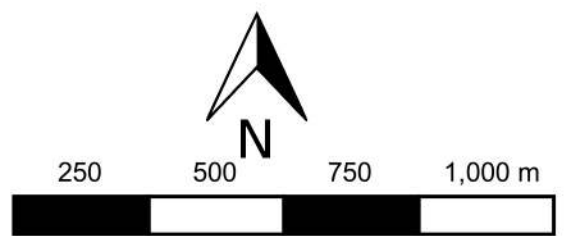
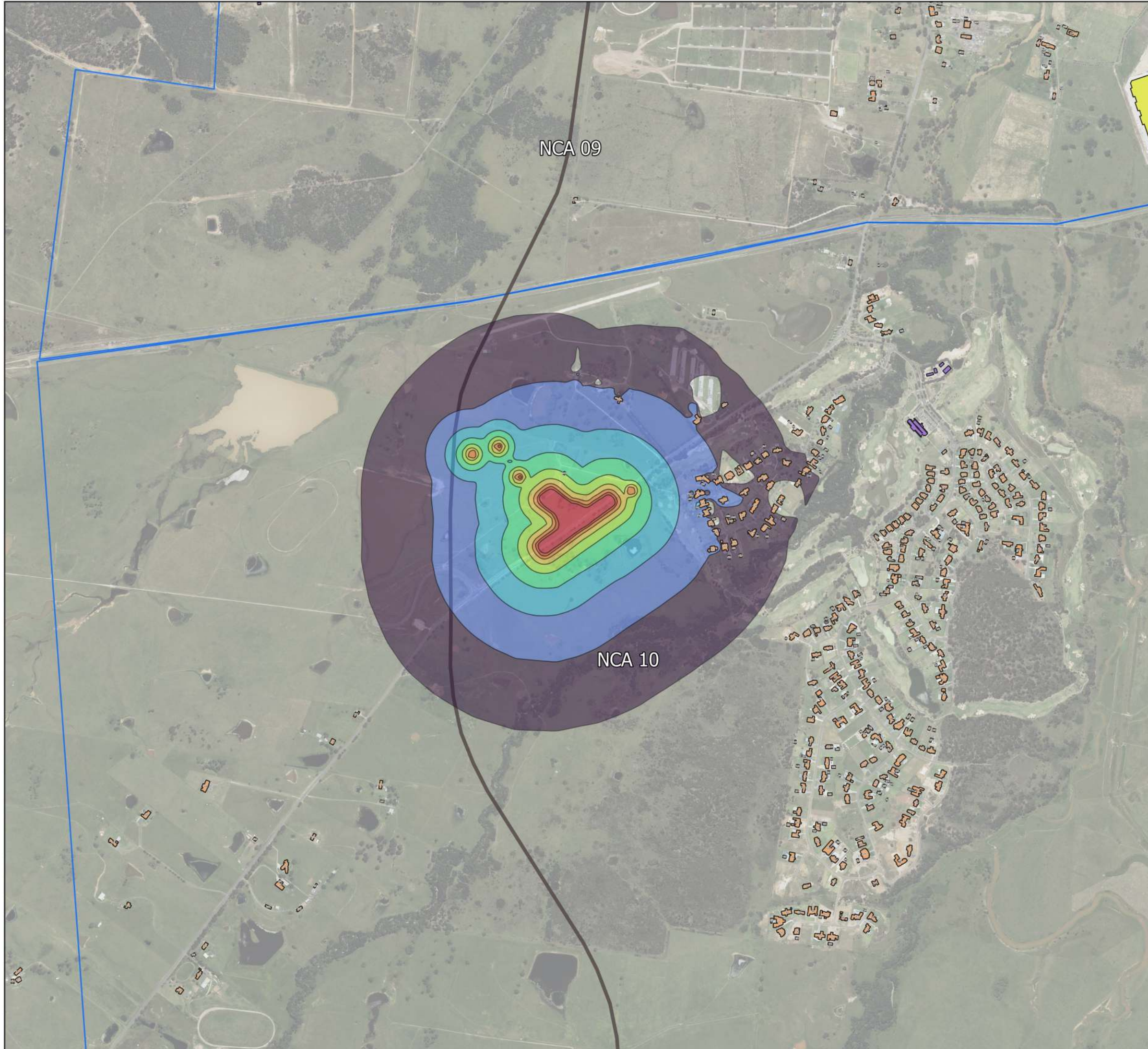
PROJECT NUMBER S220189
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DATE ISSUED June 2023

Legend

-  Noise Catchment Areas
-  Proposed metro alignment

Predicted noise level, Leq dB(A)

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





Datum GDA2020, Projection MGA ZONE 56

Resonate









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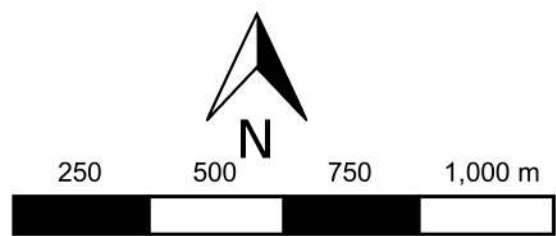
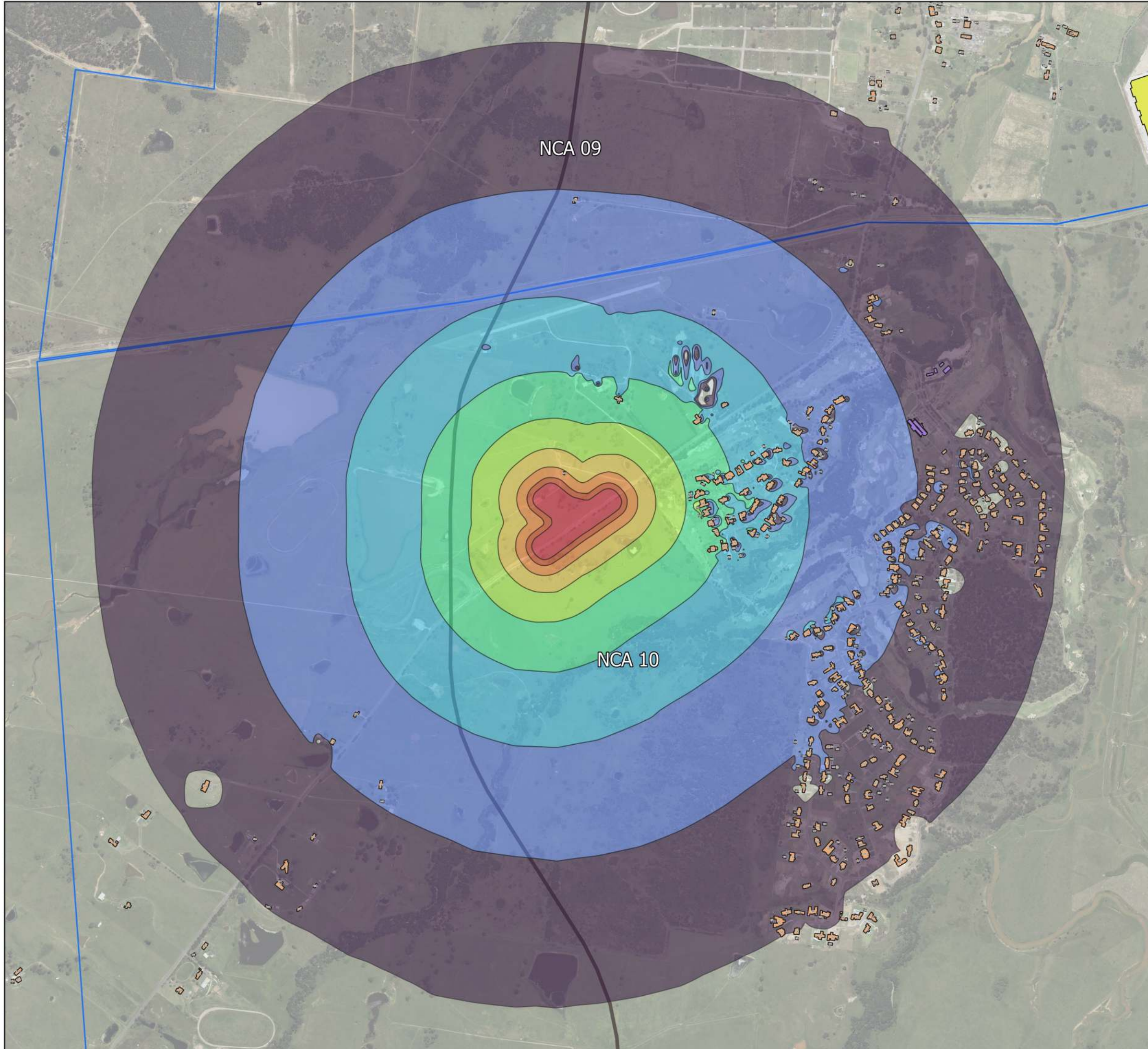
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Resonate










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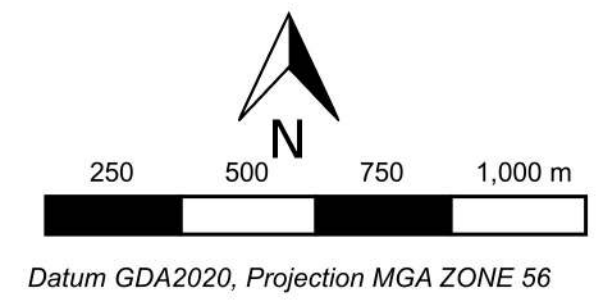
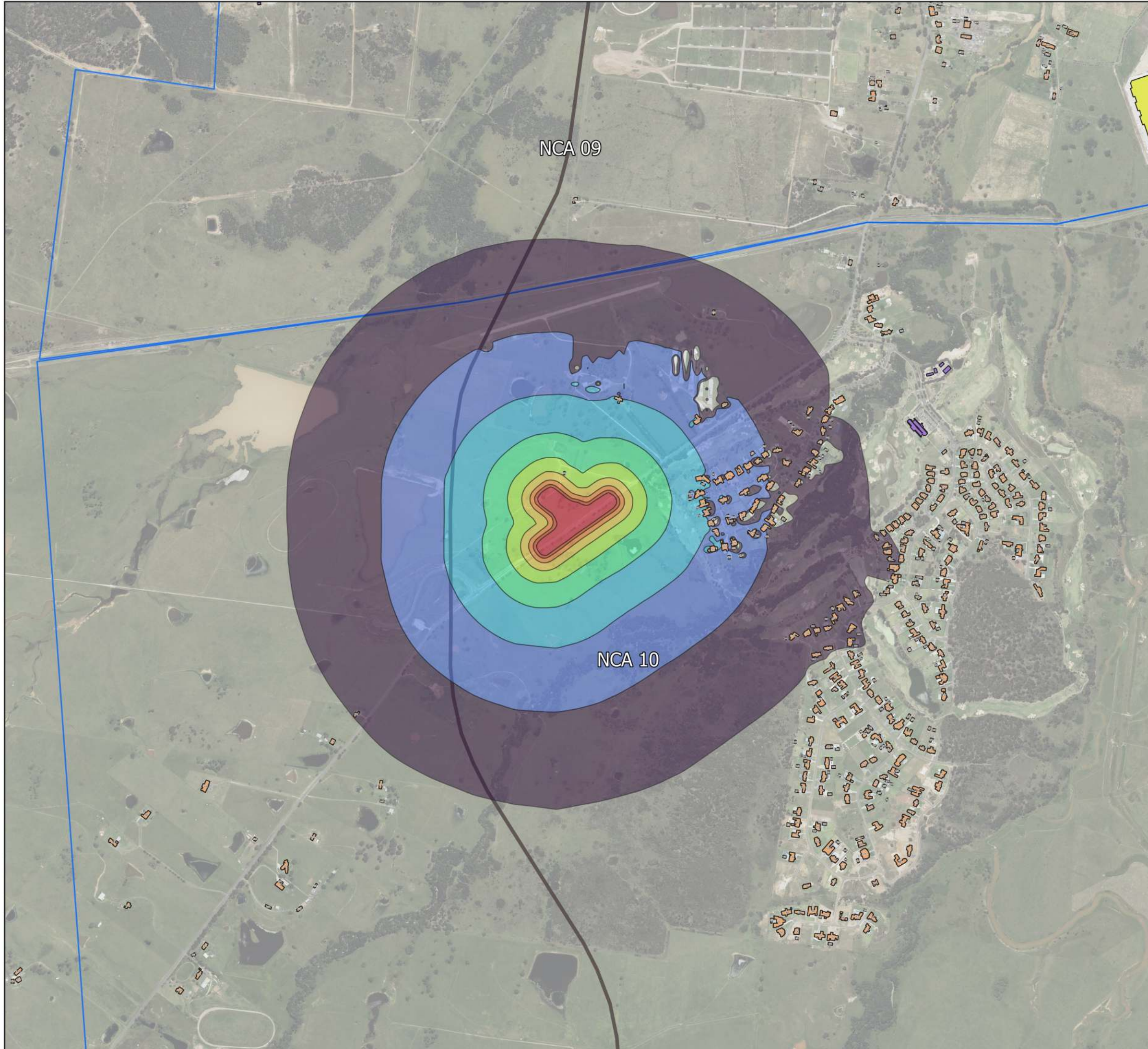
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








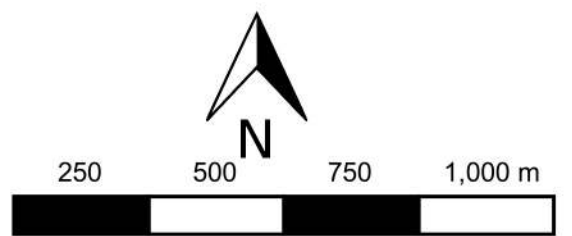
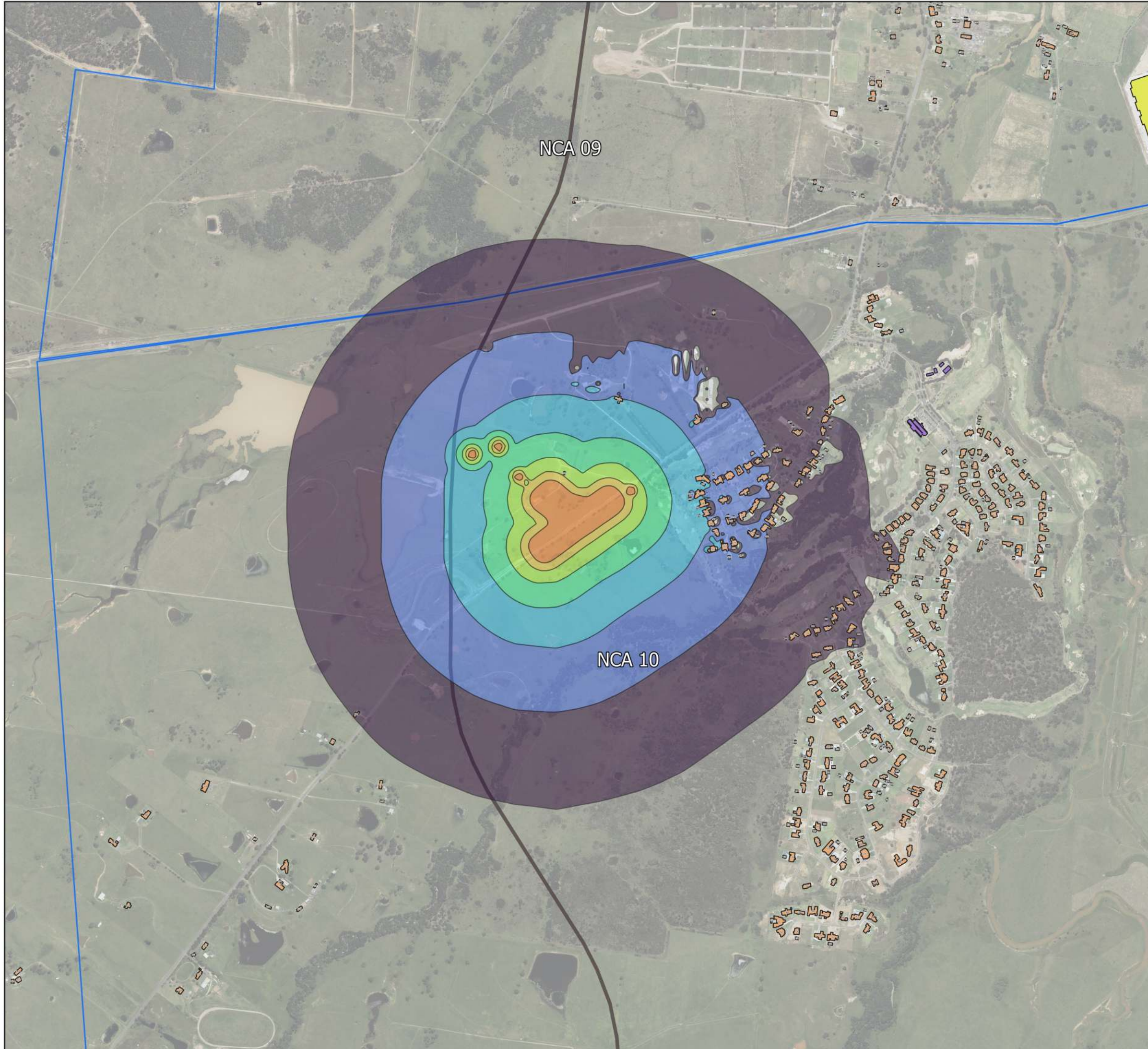
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Datum GDA2020, Projection MGA ZONE 56

Resonate










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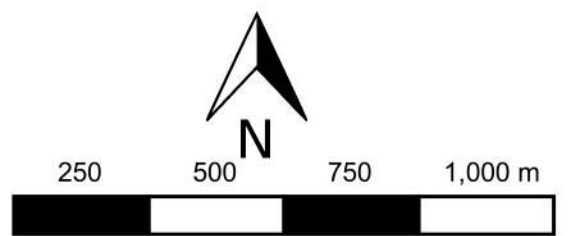
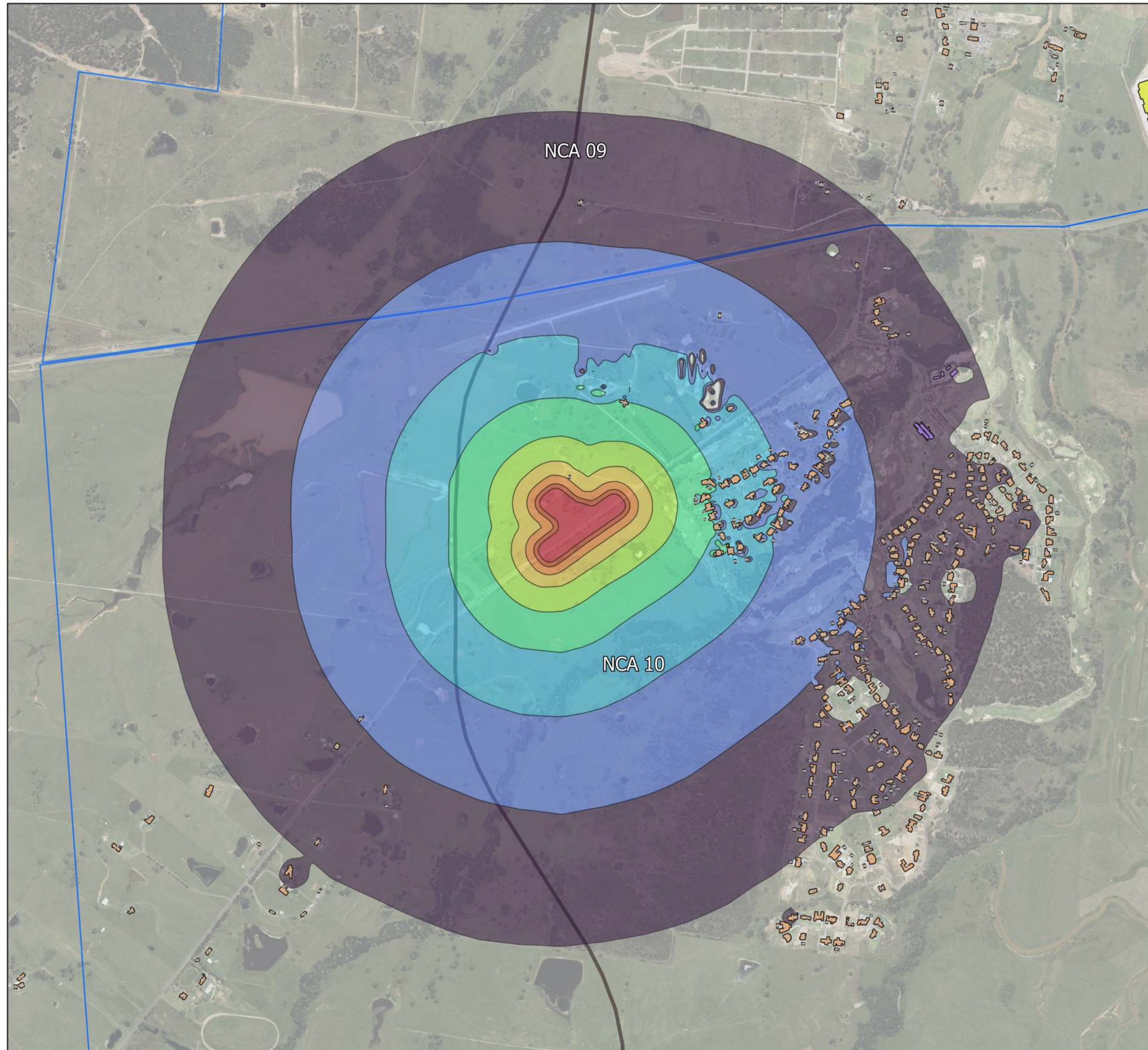
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Resonate










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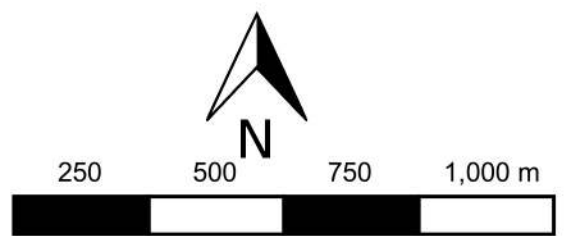
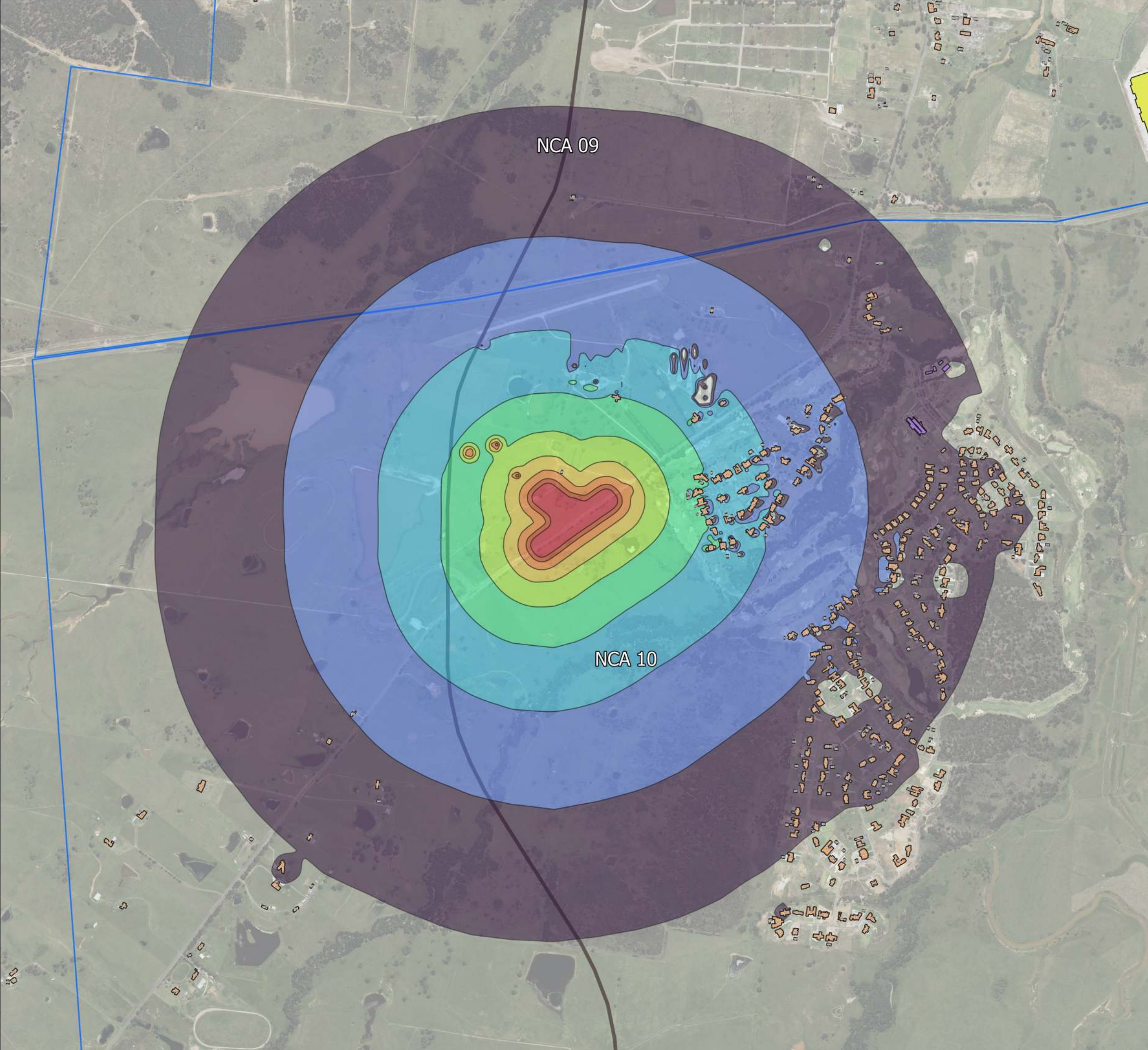
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







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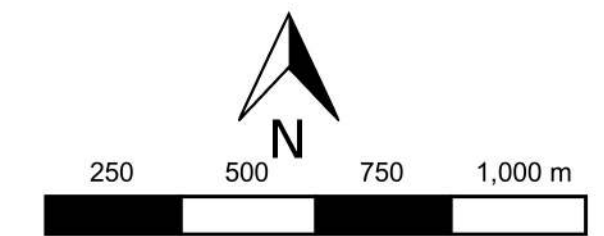
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








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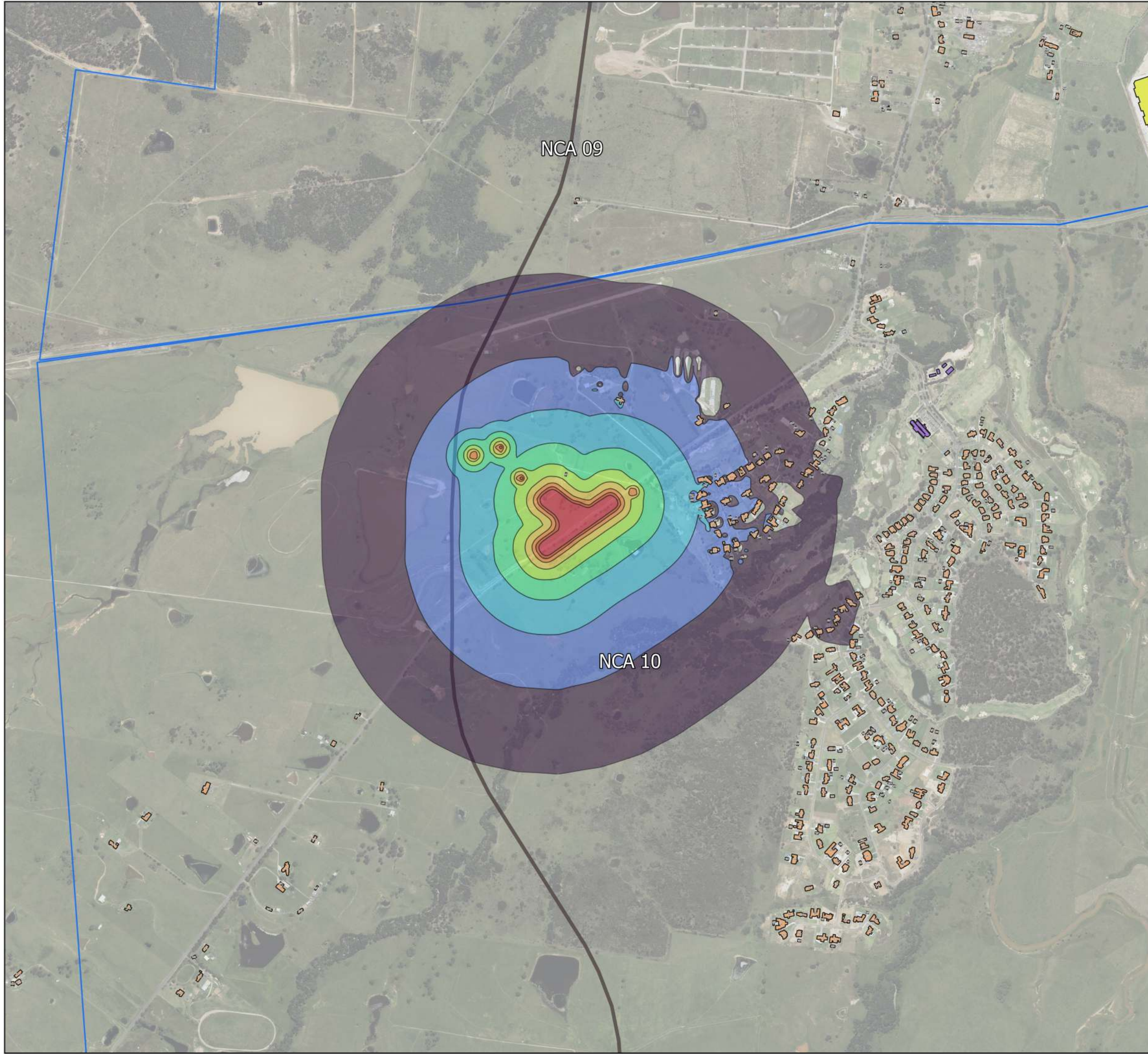
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250 500 750 1,000 m



Datum GDA2020, Projection MGA ZONE 56

Resonate

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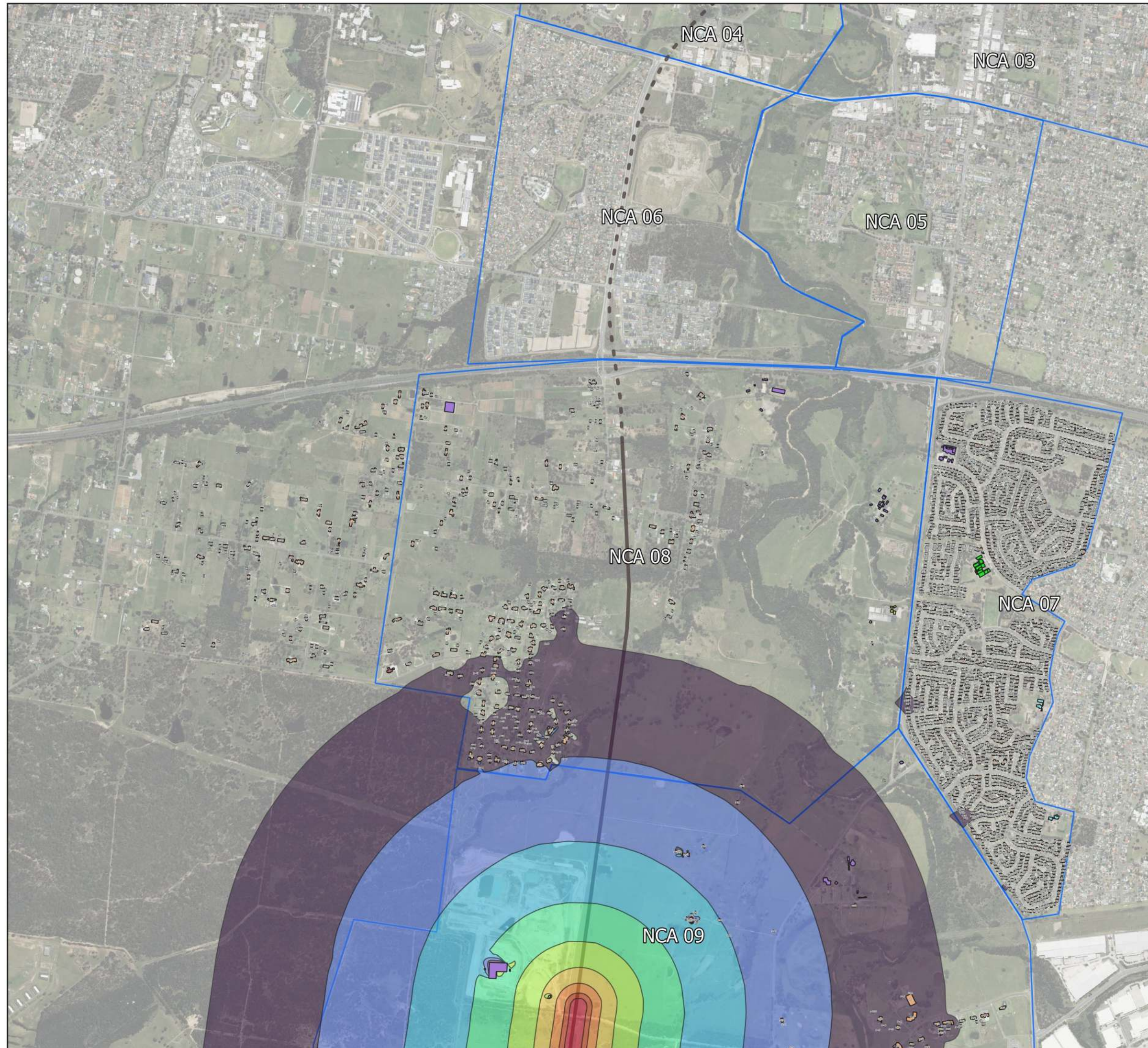
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Datum GDA2020, Projection MGA ZONE 56

Resonate






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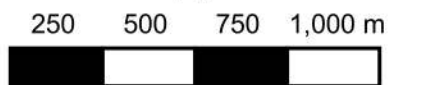
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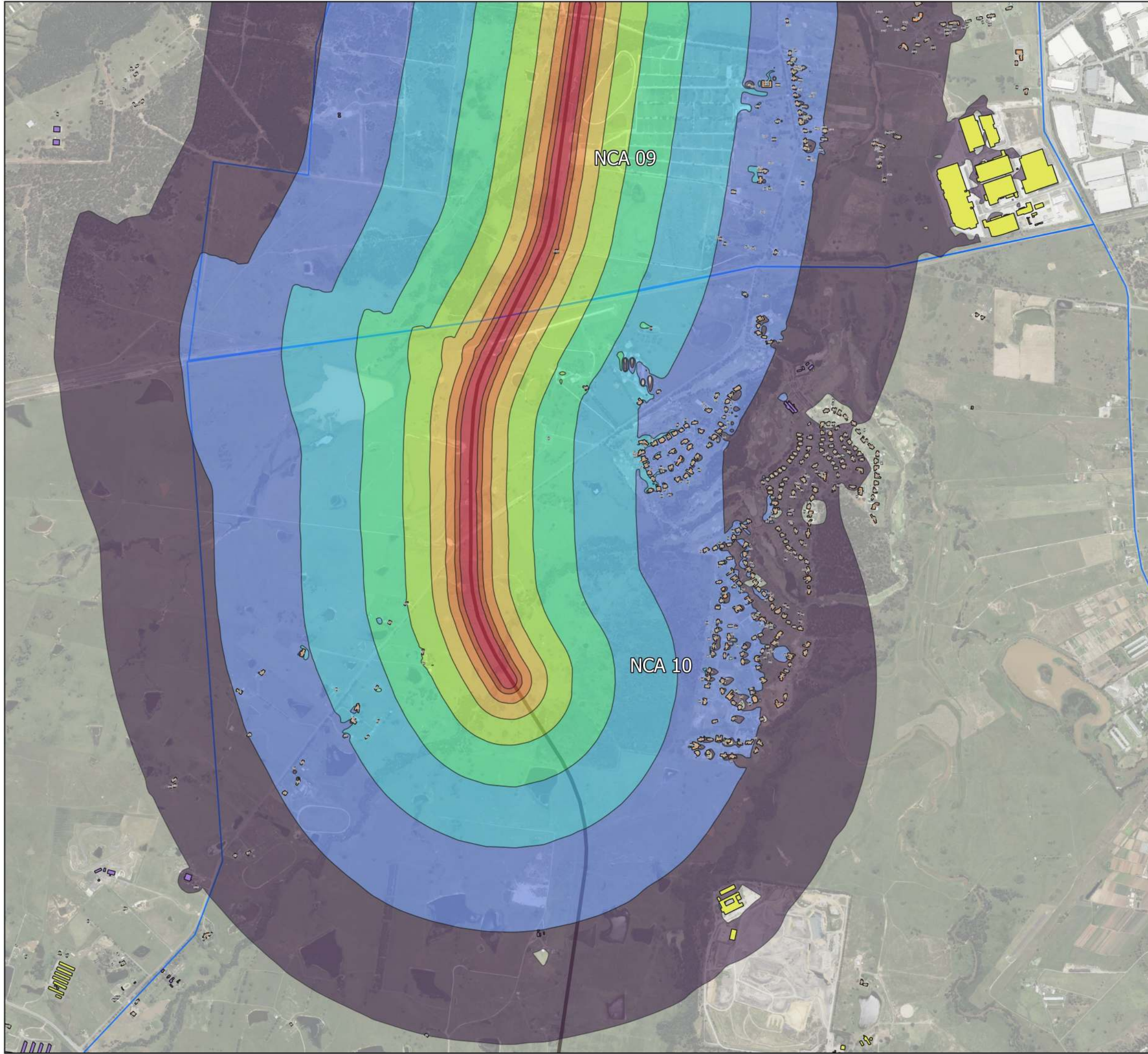
-  35 - 40
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Datum GDA2020, Projection MGA ZONE 56

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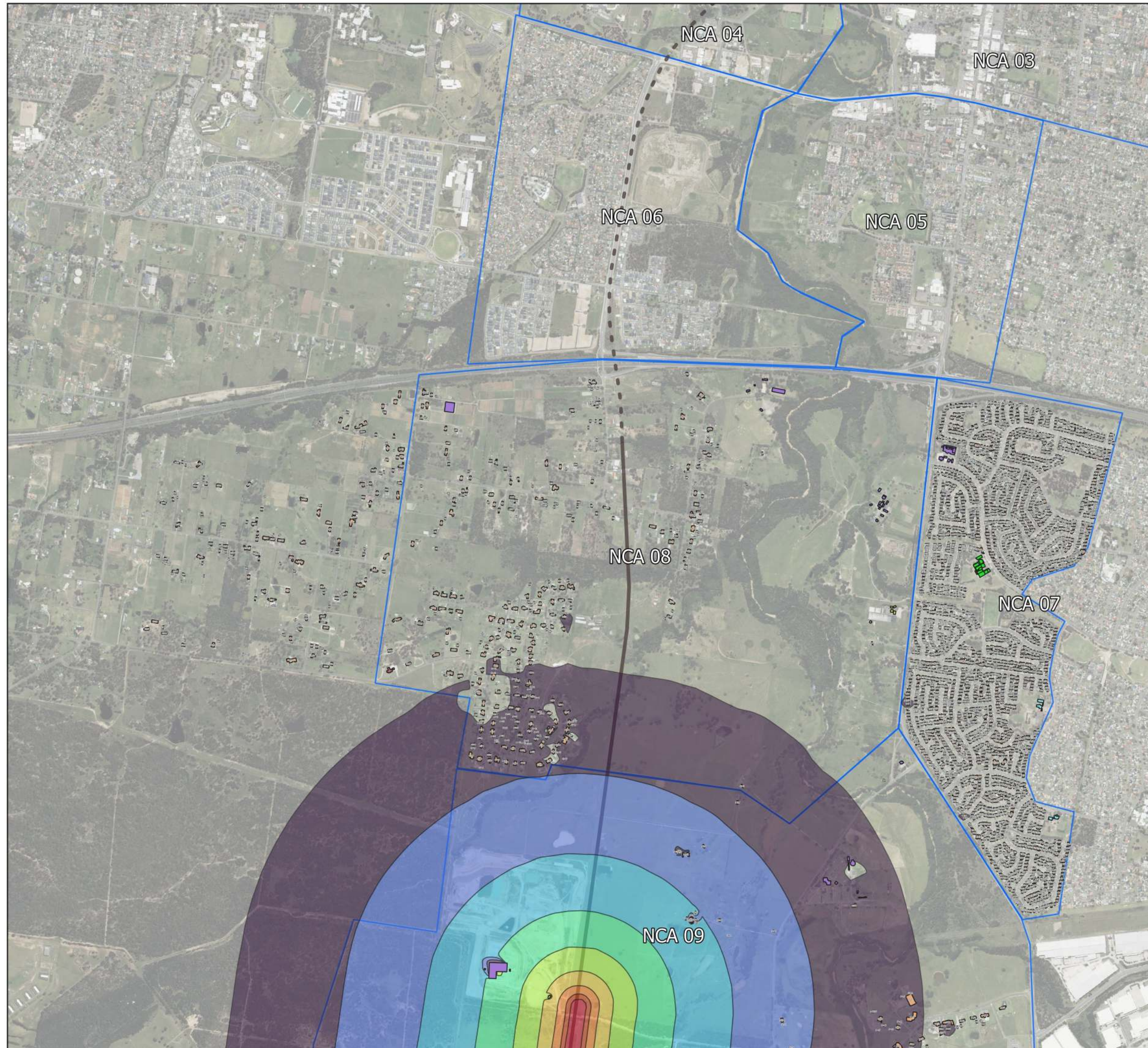
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Datum GDA2020, Projection MGA ZONE 56

Resonate










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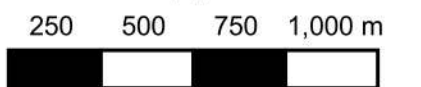
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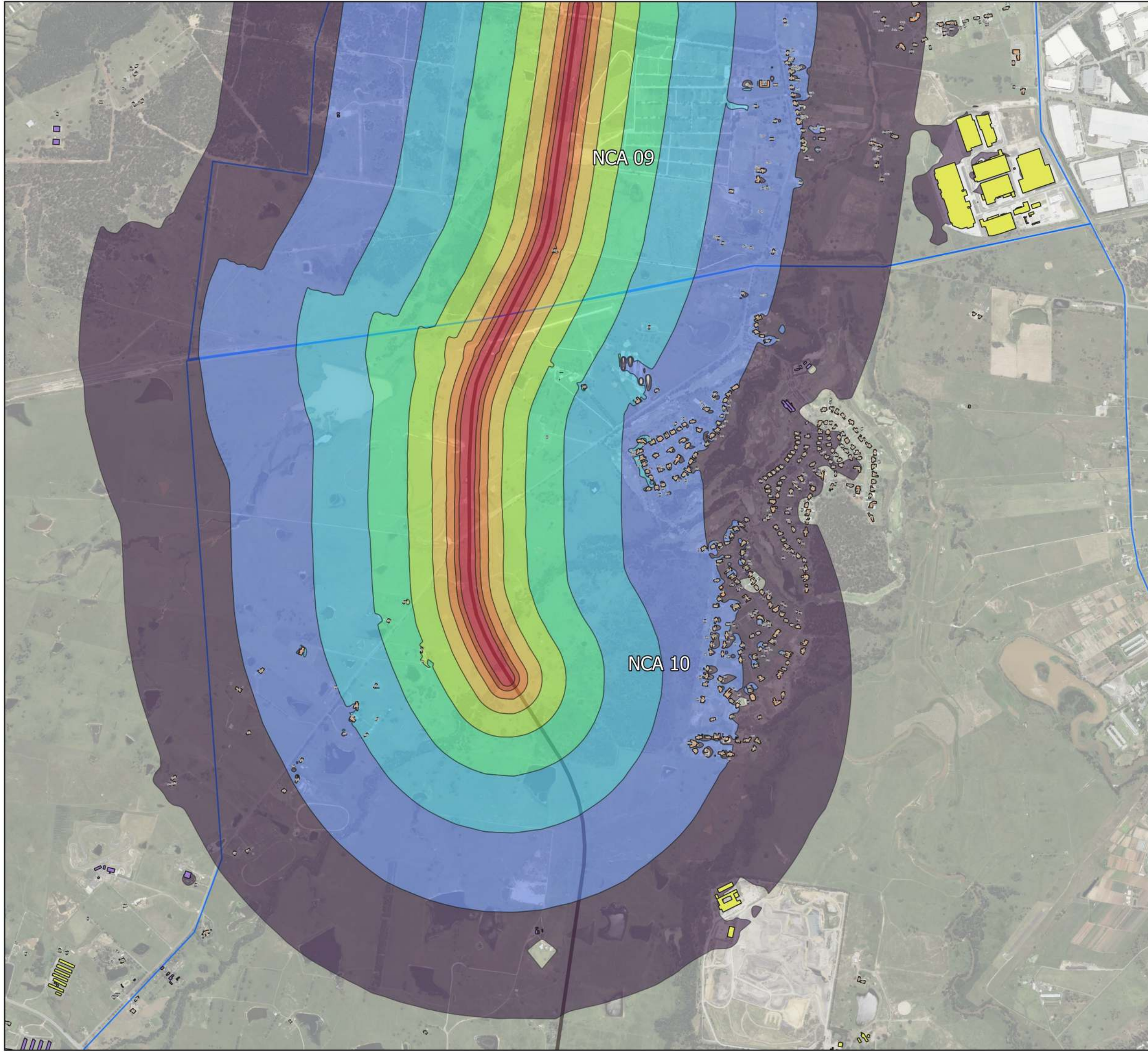
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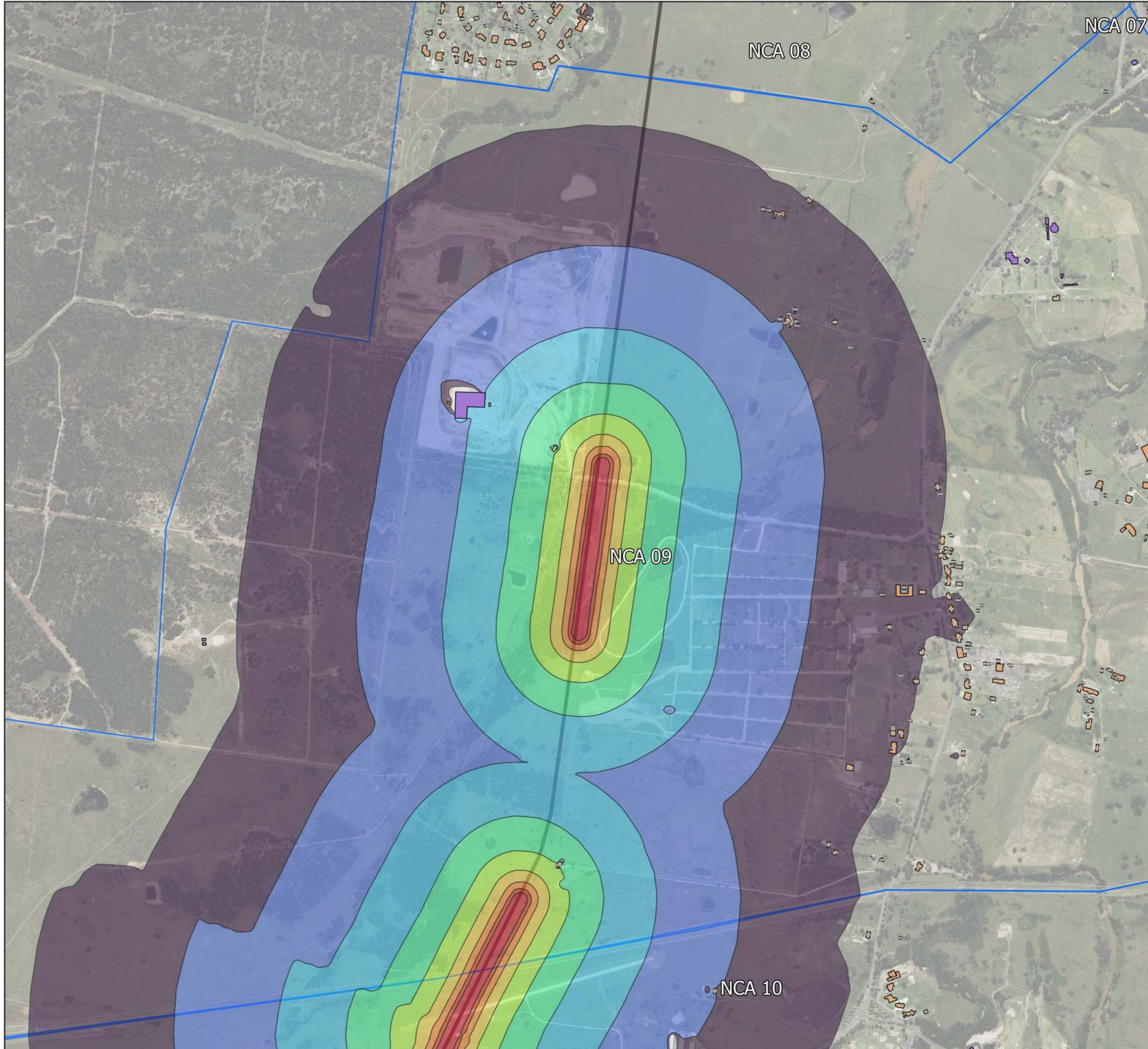
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NCA 09

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Activity 11
Noise contours
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NCA 10



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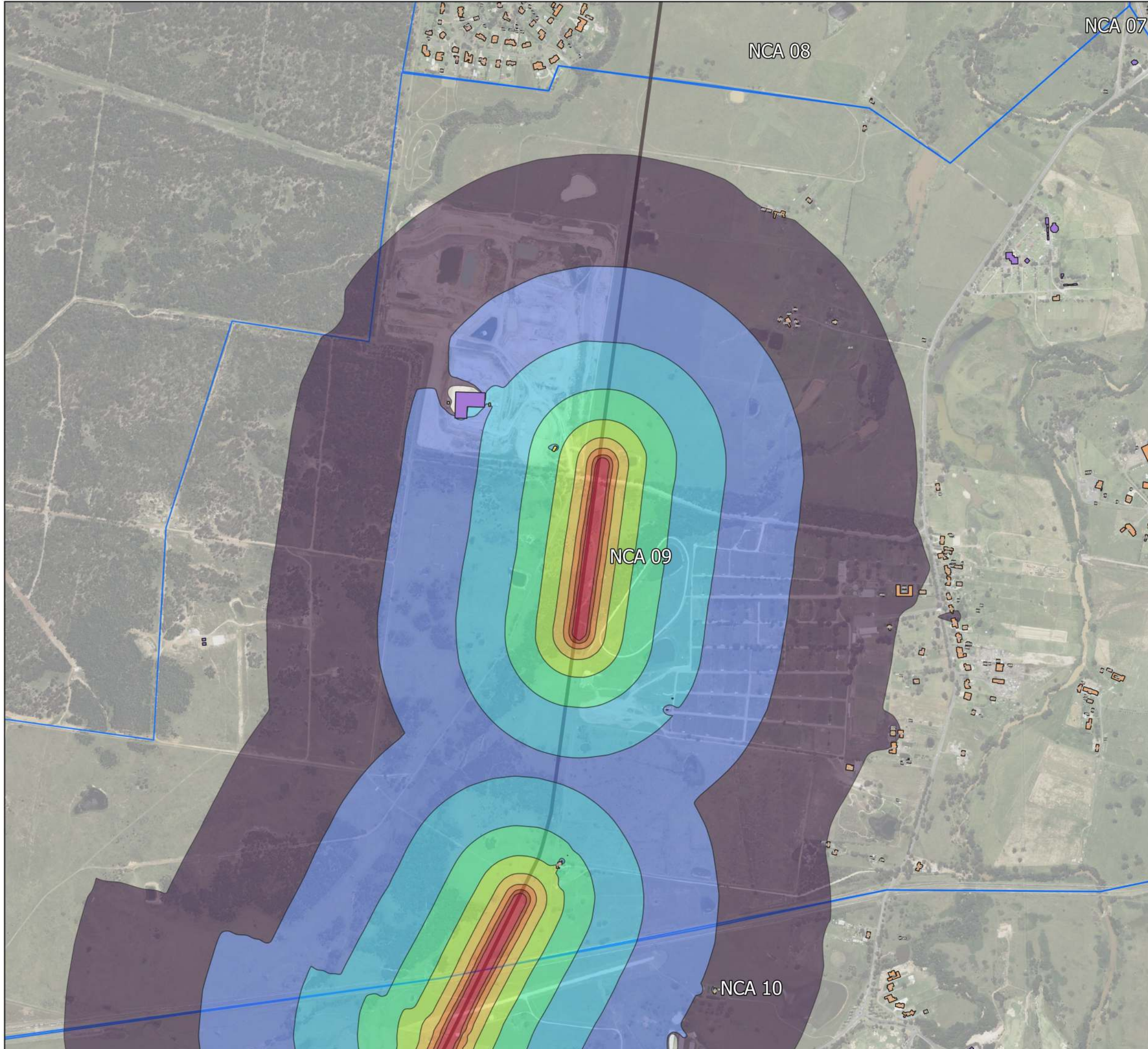
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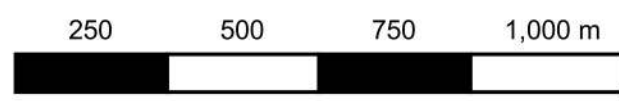
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NCA 10



Datum GDA2020, Projection MGA ZONE 56



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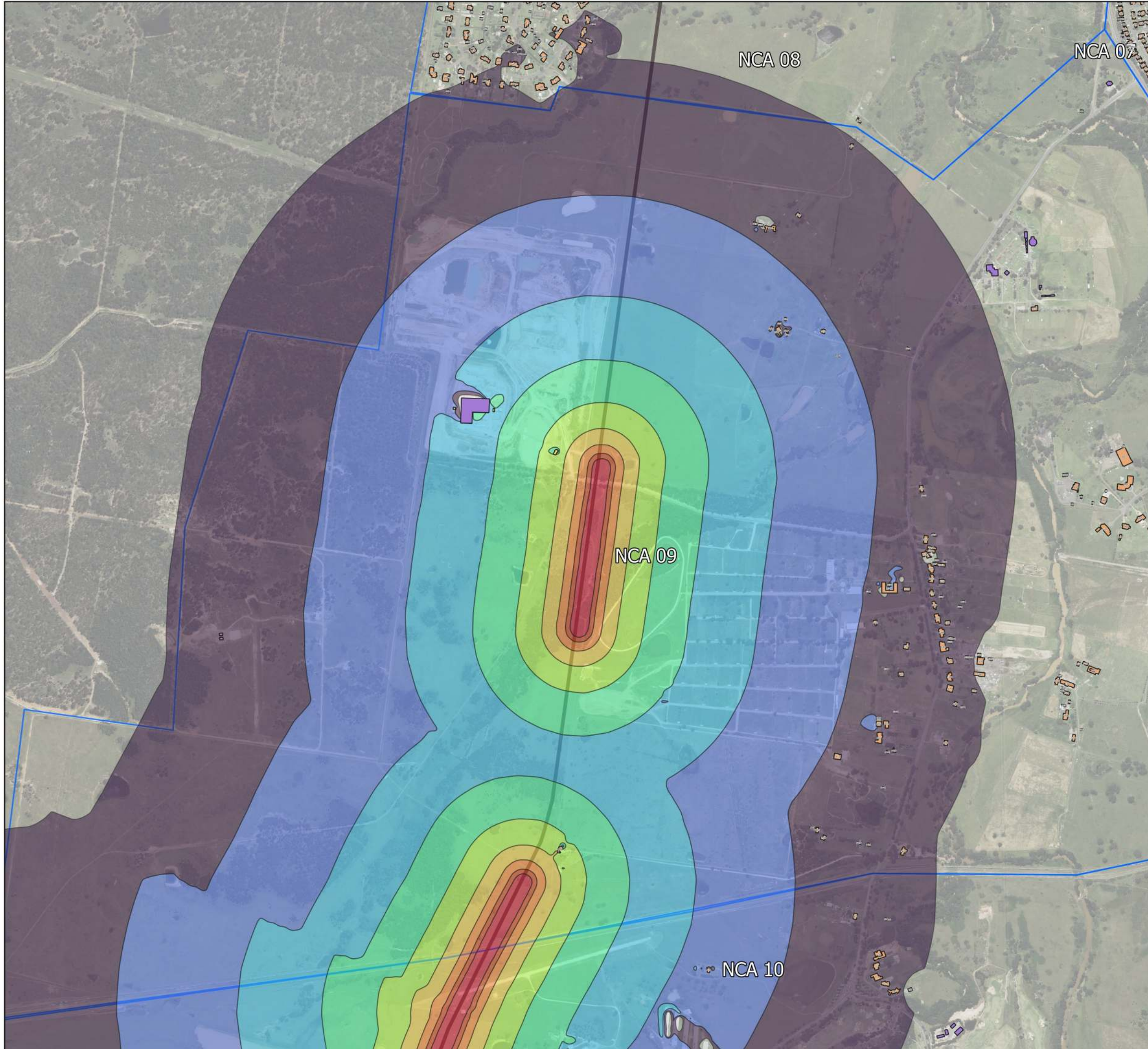
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Predicted noise level, Leq dB(A)

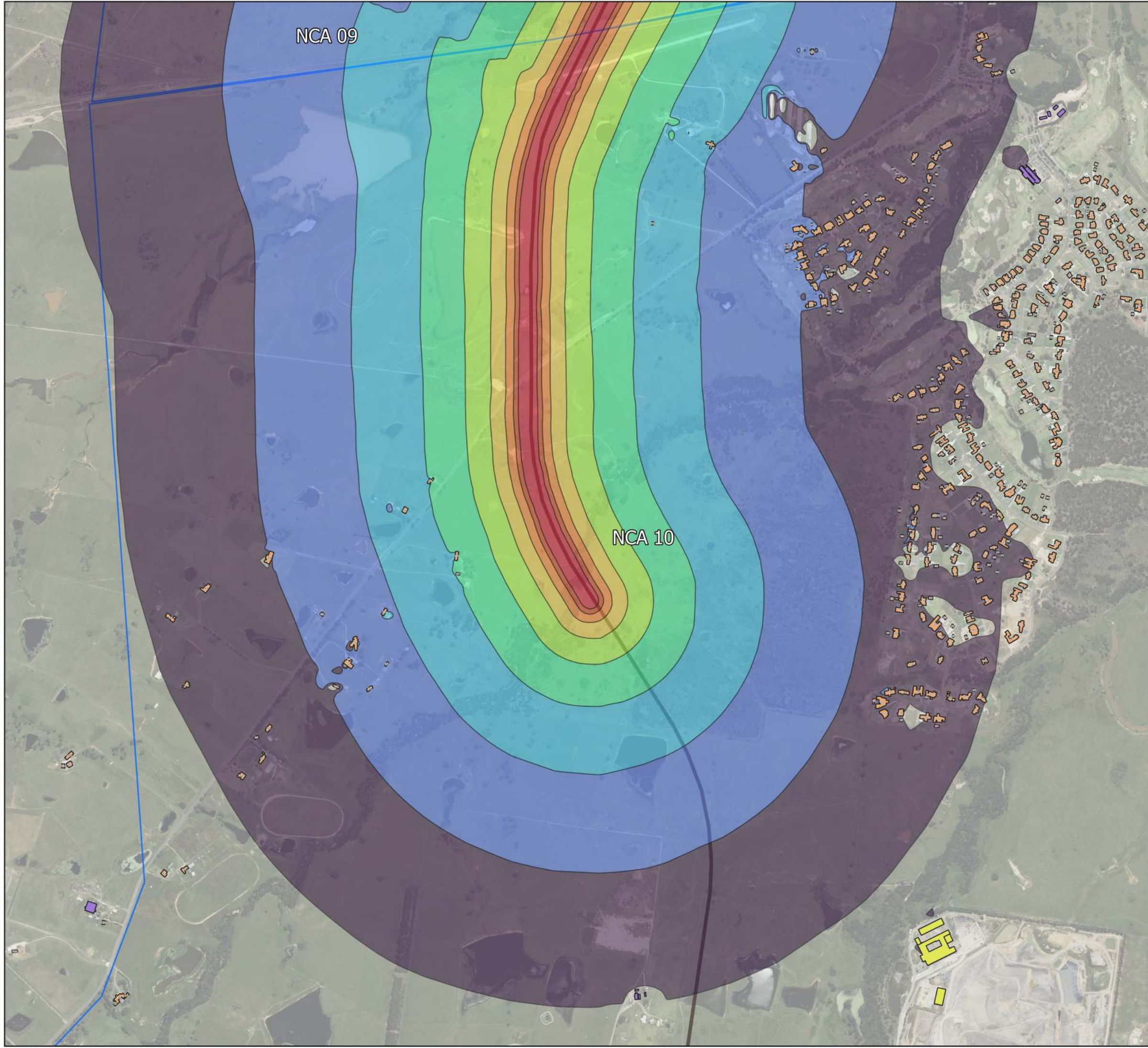
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NCA 10

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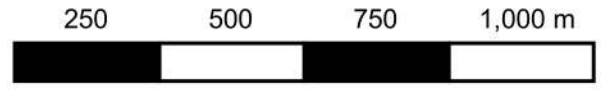
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








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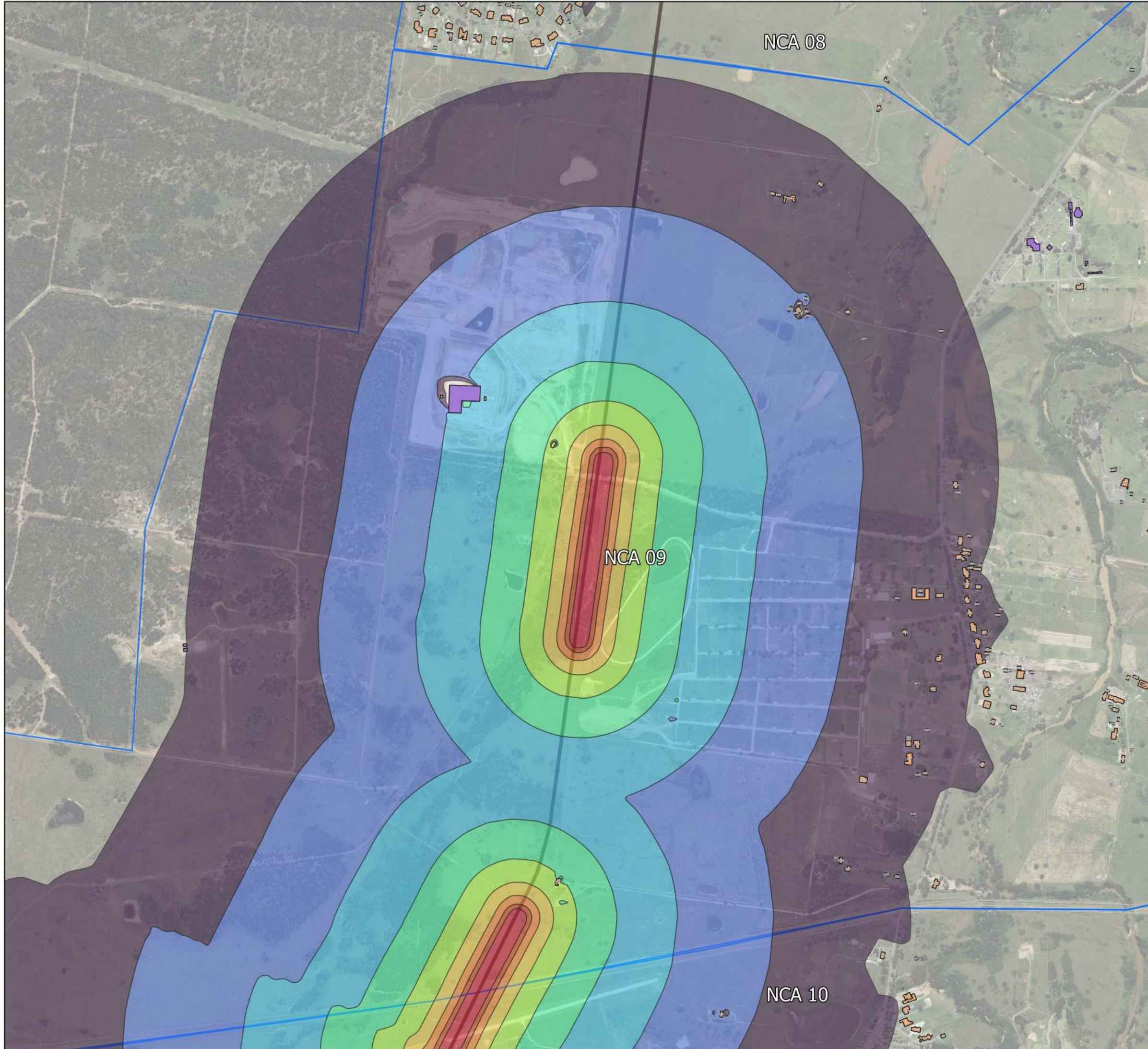
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NCA 10



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Datum GDA2020, Projection MGA ZONE 56

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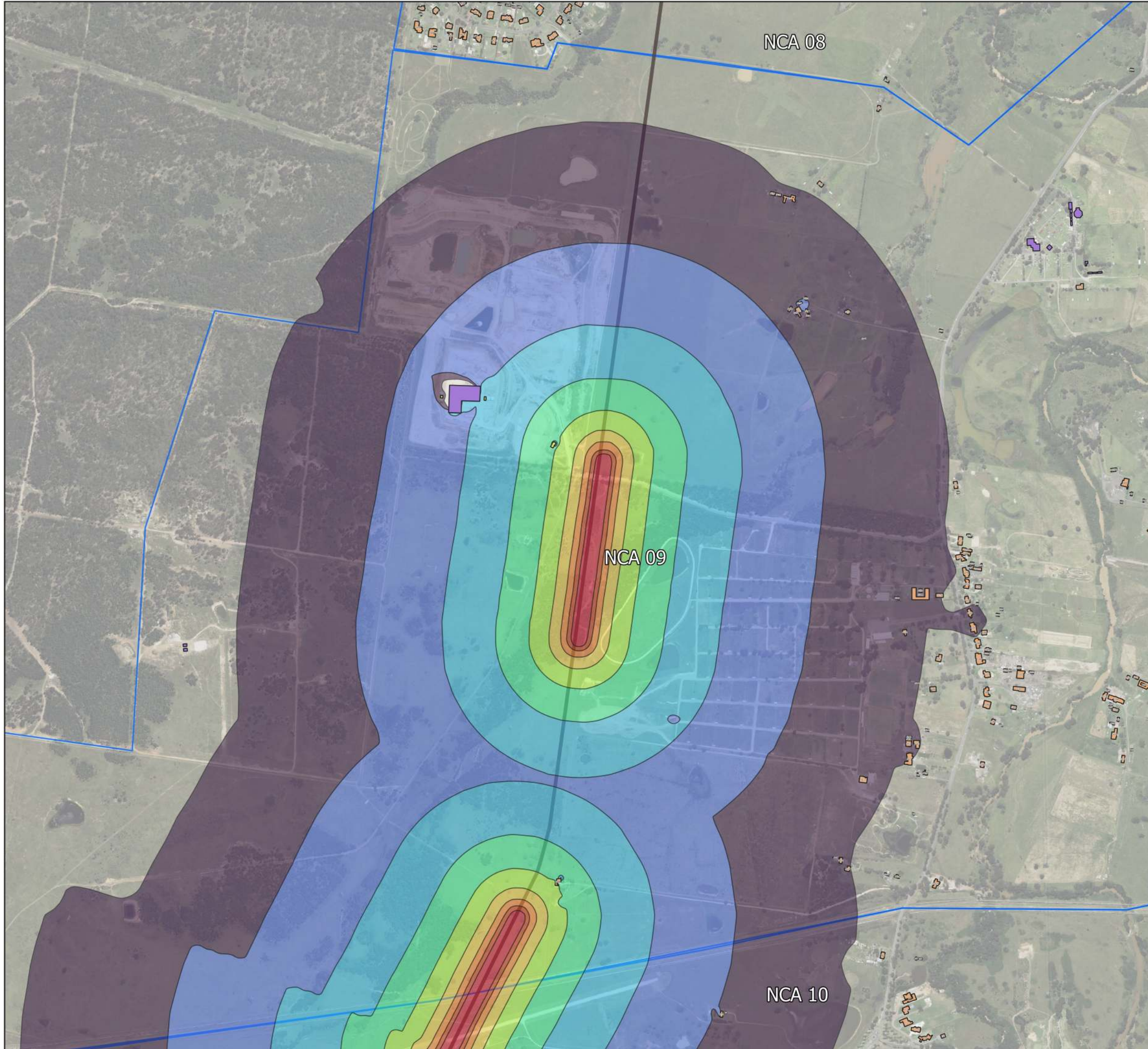
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Datum GDA2020, Projection MGA ZONE 56

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



S220189 SCAW DNVIS
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Noise contours
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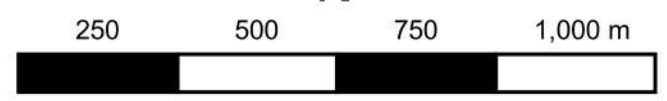
Legend

-  Noise Catchment Areas
-  Proposed metro alignment

Predicted noise level, Leq dB(A)

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

NCA 10



Datum GDA2020, Projection MGA ZONE 56



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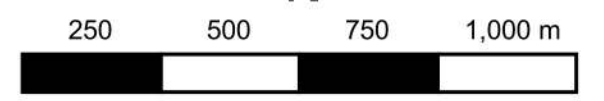
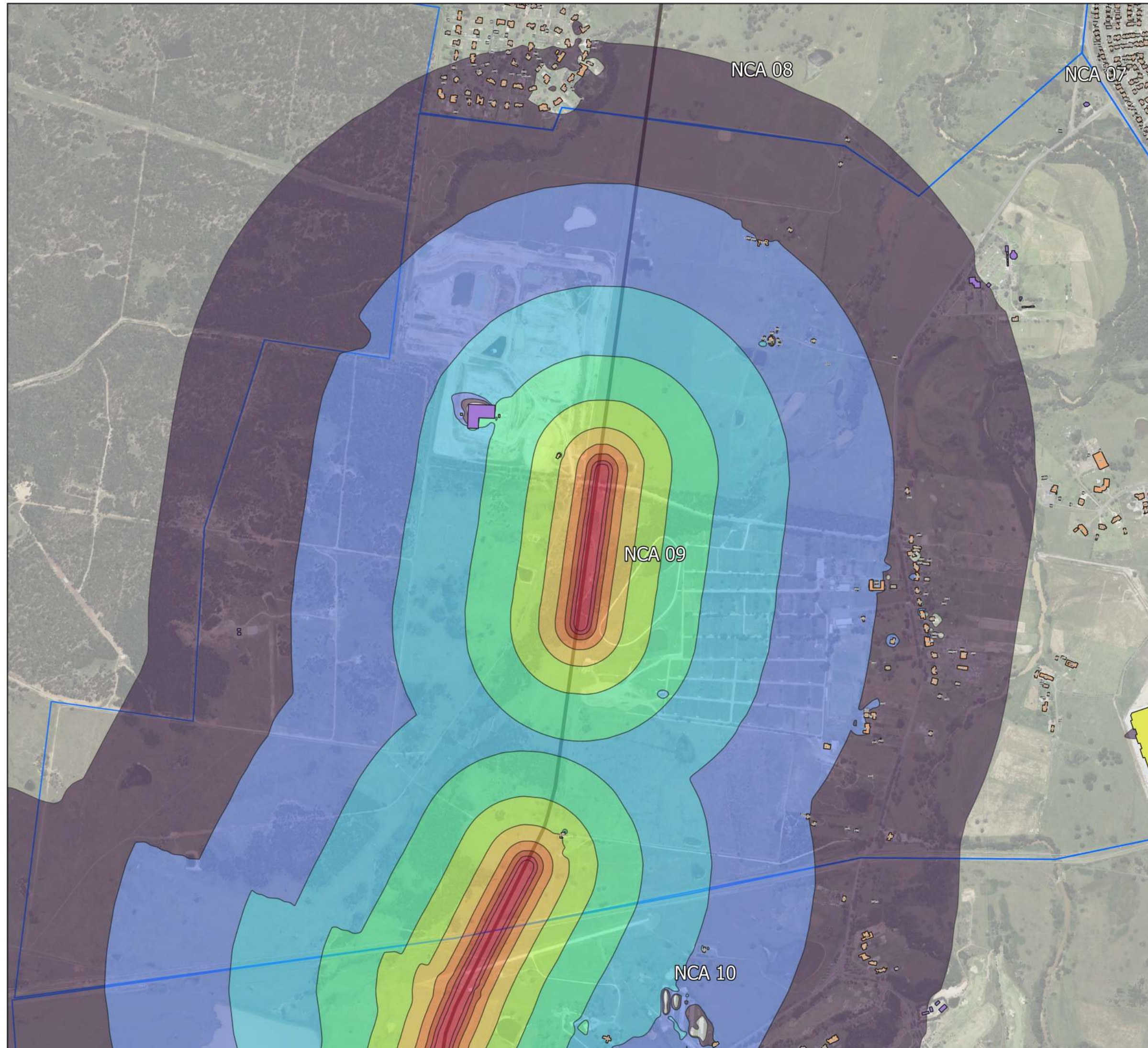
PROJECT NUMBER S220189
DRAWN BY AS
CHECKED BY RS
DATE ISSUED June 2023

Legend

- Noise Catchment Areas
- Proposed metro alignment

Predicted noise level, Leq dB(A)

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



Datum GDA2020, Projection MGA ZONE 56



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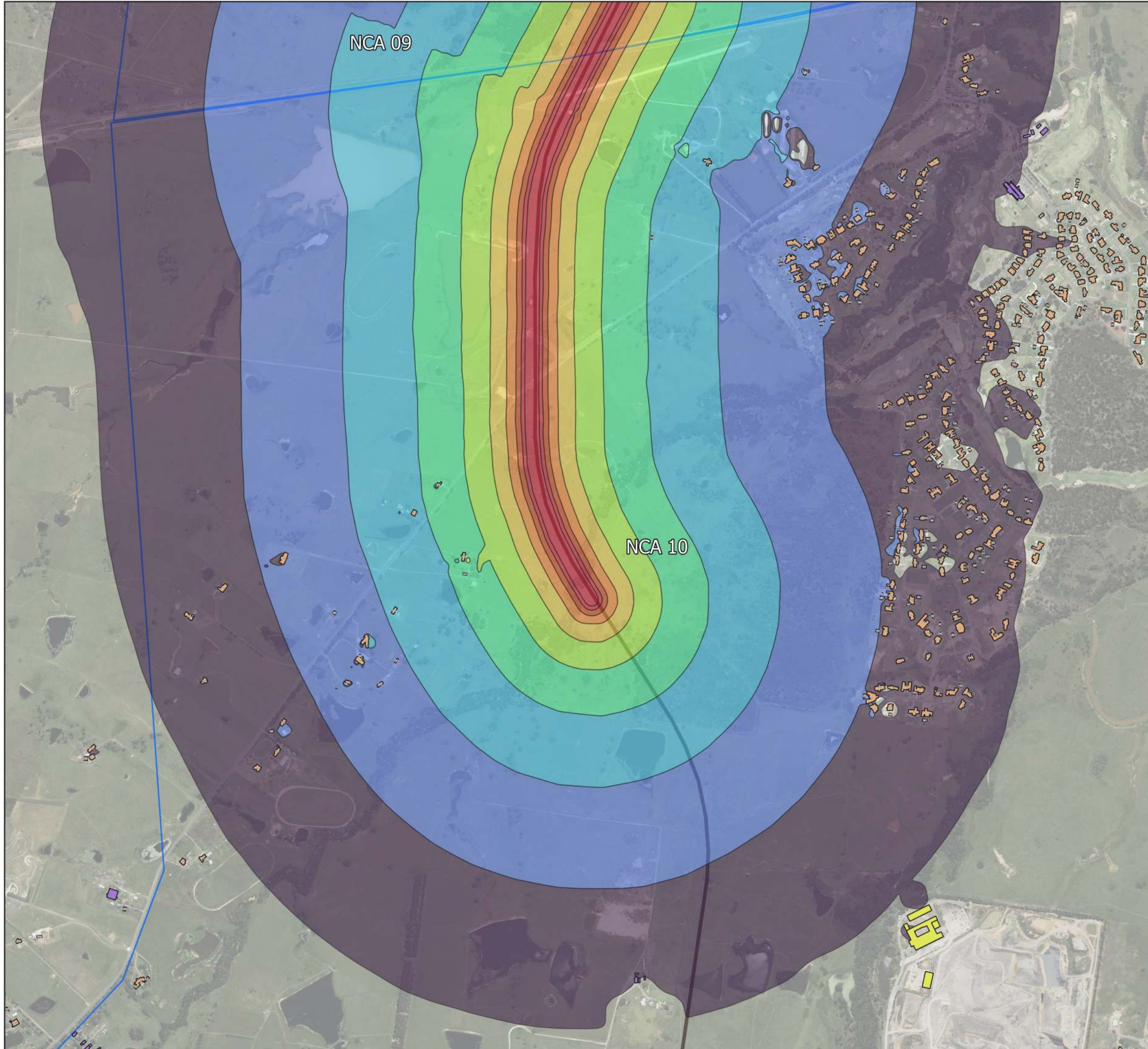
PROJECT NUMBER S220189
DRAWN BY AS
CHECKED BY RS
DATE ISSUED June 2023

Legend

- Noise Catchment Areas
- Proposed metro alignment

Predicted noise level, Leq dB(A)

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



Datum GDA2020, Projection MGA ZONE 56

Resonate

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Appendix C – Detailed noise predictions

Predicted OOHV Daytime construction noise																						
No.	NCA	Usage	rec	Address	Unique ID	NML	L _{eq} dB(A)															
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 5	Activity 6	Activity 7	Activity 8	Activity 9	Activity 10	Activity 11	Activity 12	Activity 13	Activity 14	Activity 15	Activity 16
39610	NCA9	COM	8		5113	70	29	35	26	26	26	18	23	17	40	39	33	32	36	34	32	37
39618	NCA9	COM	16		5121	70	26	32	23	24	23	16	21	14	36	35	28	27	31	30	28	33
39622	NCA9	COM	17		5122	70	25	31	22	15	15	8	13	6	38	37	30	29	33	31	30	34
39628	NCA9	COM	28		5133	70	29	35	26	26	26	18	23	17	38	37	30	29	33	31	30	34
39632	NCA9	COM	30		5135	70	27	33	24	25	24	17	22	15	38	37	30	29	33	31	30	34
39635	NCA9	COM	37		5142	70	28	33	24	25	24	17	22	15	39	38	31	30	34	32	31	35
39639	NCA9	COM	38		5143	70	27	32	23	24	23	16	21	14	38	37	30	29	33	31	30	34
39644	NCA9	COM	42		5147	70	28	33	24	25	24	17	22	15	38	37	30	29	33	31	30	34
39647	NCA9	COM	50		5155	70	28	33	24	25	24	17	22	15	38	37	30	29	33	32	30	35
39652	NCA9	COM	55		5160	70	28	33	24	25	24	17	22	15	38	37	30	29	33	32	30	35
39657	NCA9	COM	67		5172	70	22	28	19	21	22	15	20	13	36	35	29	27	31	30	28	33
39663	NCA9	COM	71	44 Luddenham Rd, Orchard Hills	5176	70	32	37	28	28	28	21	26	19	42	41	35	33	37	36	34	39
39677	NCA9	COM	335	44 LUDDENHAM ROAD	5440	70	31	36	27	28	27	20	25	19	42	41	35	33	37	36	34	39
39691	NCA9	COM	338	367-369 MAMRE ROAD	5443	70	26	31	23	21	20	13	18	11	36	35	29	28	32	30	28	33
39696	NCA9	COM	399	123-179 PATONS LANE	5504	70	38	43	34	31	31	24	29	22	55	54	47	46	50	48	47	51
39724	NCA9	COM	405	2042-2550 THE NORTHERN ROAD	5510	70	38	43	35	31	32	25	30	23	42	41	34	33	37	35	33	38
39728	NCA9	COM	409	2042-2550 THE NORTHERN ROAD	5514	70	38	44	35	31	32	25	30	23	42	41	34	33	37	35	33	38
39735	NCA9	COM	768	2042-2550 THE NORTHERN ROAD	6284	70	29	34	26	25	26	19	24	17	31	30	24	22	26	25	23	28
39739	NCA9	COM	775	2042-2550 THE NORTHERN ROAD	6291	70	29	34	25	25	25	18	23	17	31	30	23	22	26	25	23	28
39754	NCA9	IND	72	45047 DISTRIBUTION DRIVE	5177	75	30	36	27	29	29	22	27	20	35	34	26	25	29	27	25	30
39772	NCA9	IND	73	45047 DISTRIBUTION DRIVE	5178	75	28	33	24	28	29	22	27	20	31	30	23	22	26	24	22	27
39774	NCA9	IND	76	45047 DISTRIBUTION DRIVE	5181	75	28	33	24	29	28	21	26	19	31	30	24	23	27	25	23	28
39780	NCA9	IND	77	45047 DISTRIBUTION DRIVE	5182	75	22	27	19	28	27	20	25	18	33	32	23	22	26	25	23	28
39790	NCA9	IND	78	45047 DISTRIBUTION DRIVE	5183	75	31	36	27	31	30	23	28	21	36	35	27	26	30	28	26	31
39798	NCA9	IND	80	45047 DISTRIBUTION DRIVE	5185	75	31	36	27	29	28	21	26	19	34	33	27	26	30	28	26	31
39805	NCA9	IND	81	45047 DISTRIBUTION DRIVE	5186	75	30	35	26	29	28	21	26	19	34	33	26	25	29	27	26	30
39824	NCA9	IND	82	45270 DISTRIBUTION DRIVE	5187	75	32	37	28	32	31	24	29	22	36	36	29	28	32	30	28	33
39828	NCA9	IND	83	45270 DISTRIBUTION DRIVE	5188	75	29	34	25	26	25	18	23	16	36	35	28	27	31	30	28	33
39834	NCA9	IND	84	45270 DISTRIBUTION DRIVE	5189	75	29	35	26	29	28	21	26	19	38	37	30	29	33	31	30	34
39838	NCA9	IND	85	45270 DISTRIBUTION DRIVE	5190	75	31	36	27	19	19	12	17	10	35	34	27	26	30	28	27	31
39844	NCA9	IND	86	45270 DISTRIBUTION DRIVE	5191	75	31	36	27	28	27	20	25	18	37	36	29	28	32	30	29	33
39858	NCA9	IND	87	45270 DISTRIBUTION DRIVE	5192	75	31	36	27	32	31	24	29	22	33	32	26	25	29	27	25	30
39864	NCA9	IND	88	15 DISTRIBUTION DRIVE	5193	75	32	38	29	32	31	24	29	22	36	35	28	27	31	30	29	33
39871	NCA9	IND	89	17-19 DISTRIBUTION DRIVE	5194	75	33	39	30	33	32	25	30	23	37	36	28	27	31	29	28	32
39892	NCA9	IND	90	2 DISTRIBUTION DRIVE	5195	75	30	36	27	30	29	22	27	21	34	34	27	26	30	28	26	31
39900	NCA9	IND	91	2 DISTRIBUTION DRIVE	5196	75	29	35	26	32	31	24	29	22	34	33	26	25	29	28	26	31
39904	NCA9	IND	92	45144 DISTRIBUTION DRIVE	5197	75	32	37	28	32	31	24	29	22	35	35	28	27	31	29	27	32
39907	NCA9	IND	93	45144 DISTRIBUTION DRIVE	5198	75	31	36	27	33	32	25	30	23	33	32	26	25	29	27	26	30
39918	NCA9	IND	94	45144 DISTRIBUTION DRIVE	5199	75	30	36	27	32	31	24	29	23	33	32	25	24	28	27	25	30
39922	NCA9	IND	95	45144 DISTRIBUTION DRIVE	5200	75	28	34	25	31	30	23	28	22	30	29	23	22	26	24	23	27
39930	NCA9	IND	96	45144 DISTRIBUTION DRIVE	5201	75	29	35	26	33	32	25	30	23	34	34	26	24	28	27	26	30
39956	NCA9	IND	98	45176 DISTRIBUTION DRIVE	5203	75	32	37	28	32	31	24	29	23	34	33	26	25	29	28	26	31
39962	NCA9	IND	101	45176 DISTRIBUTION DRIVE	5206	75	29	34	25	29	30	23	28	21	34	34	27	26	30	28	26	31
39969	NCA9	IND	102	45176 DISTRIBUTION DRIVE	5207	75	30	35	26	27	29	22	27	20	34	33	27	26	30	28	26	31
39997	NCA9	IND	103	45239 DISTRIBUTION DRIVE	5208	75	33	39	30	34	33	26	31	25	37	36	30	29	33	31	29	34
40029	NCA9	IND	400	123-179 PATONS LANE	5505	75	36	41	32	30	29	22	27	21	63	62	55	54	58	57	55	60
40036	NCA9	IND	402	123-179 PATONS LANE	5507	75	35	40	31	29	28	21	26	20	45	44	37	36	40	38	37	41
40040	NCA9	IND	404	123-179 PATONS LANE	5509	75	35	40	31	29	29	21	26	20	53	53	46	45	49	47	46	50
41142	NCA9	RES	1		5106	45	33	38	29	32	31	24	29	22	37	36	29	28	32	31	29	34
41148	NCA9	RES	15		5120	45	33	38	29	34	33	26	31	24	38	37	30	29	33	31	30	34
41154	NCA9	RES	19		5124	45	32	38	29	34	33	26	31	24	37	37	30	29	33	31	29	34
41165	NCA9	RES	20		5125	45	32	37	28	31	30	23	28	21	39	38	31	30	34	33	31	36
41174	NCA9	RES	23		5128	45	33	38	29	32	30	23	28	22	37	36	30	29	33	31	29	34
41181	NCA9	RES	31		5136	45	33	38	29	33	32	25	30	23	38	37	30	29	33	32	30	35
41187	NCA9	RES	34		5139	45	32	38	29	31	30	23	28	22	38	37	30	29	33	31	30	34
41204	NCA9	RES	39		5144	45	35	40	31	34	33	26	31	24	40	39	32	31	35	33	32	36
41220	NCA9	RES	43		5148	45	32	37	28	31	30	23	28	21	37	36	30	29	33	31	29	34
41223	NCA9	RES	47		5152	45	33	38	29	31	32	25	30	23	39	38	30	29	33	31	29	34

Predicted OOHV Daytime construction noise																						
No.	NCA	Usage	rec	Address	Unique ID	NML	L _{eq} dB(A)															
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 5	Activity 6	Activity 7	Activity 8	Activity 9	Activity 10	Activity 11	Activity 12	Activity 13	Activity 14	Activity 15	Activity 16
41229	NCA9	RES	57		5162	45	33	38	29	34	33	26	31	24	40	39	32	31	35	34	32	37
41234	NCA9	RES	58		5163	45	32	38	29	32	31	24	29	22	37	36	29	28	32	30	29	33
41244	NCA9	RES	63		5168	45	33	38	29	32	31	24	29	22	40	39	32	31	35	33	32	36
41251	NCA9	RES	65		5170	45	28	33	24	25	24	17	22	16	38	37	31	30	34	32	30	35
41255	NCA9	RES	66		5171	45	34	40	31	31	30	23	28	21	38	37	31	30	34	32	30	35
41259	NCA9	RES	105	117-199 LUDDENHAM ROAD	5210	45	30	36	27	27	26	19	24	17	42	42	35	34	38	36	34	39
41265	NCA9	RES	106	117-199 LUDDENHAM ROAD	5211	45	31	36	27	27	26	19	24	18	47	46	39	38	42	40	39	43
41276	NCA9	RES	107	117-199 LUDDENHAM ROAD	5212	45	31	36	27	27	26	19	24	17	45	44	38	37	41	39	37	42
41280	NCA9	RES	108	117-199 LUDDENHAM ROAD	5213	45	32	38	29	28	27	20	25	19	47	46	39	38	42	41	39	44
41295	NCA9	RES	109	117-199 LUDDENHAM ROAD	5214	45	31	37	28	27	26	19	24	18	47	46	39	38	42	40	39	43
41300	NCA9	RES	113	117-199 LUDDENHAM ROAD	5218	45	31	37	28	27	27	19	24	18	45	44	38	37	41	39	37	42
41306	NCA9	RES	116	117-199 LUDDENHAM ROAD	5221	45	32	37	28	30	29	22	27	20	47	46	40	39	43	41	39	44
41311	NCA9	RES	118	117-199 LUDDENHAM ROAD	5223	45	31	36	28	27	26	19	24	17	44	43	37	36	40	39	38	42
41315	NCA9	RES	119	117-199 LUDDENHAM ROAD	5224	45	34	39	30	30	29	22	27	20	49	48	42	41	45	43	41	46
41321	NCA9	RES	126	117-199 LUDDENHAM ROAD	5231	45	31	36	27	24	23	16	21	14	46	45	39	37	41	40	38	43
41326	NCA9	RES	128	182-200 LUDDENHAM ROAD	5233	45	33	38	29	30	29	21	26	20	43	42	35	34	38	36	35	39
41333	NCA9	RES	129	182-200 LUDDENHAM ROAD	5234	45	33	38	29	29	29	21	26	20	43	42	35	34	38	37	35	40
41339	NCA9	RES	132	202-210 LUDDENHAM ROAD	5237	45	33	39	30	30	30	22	27	21	43	42	35	34	38	36	35	39
41346	NCA9	RES	133	202-210 LUDDENHAM ROAD	5238	45	29	34	25	33	32	25	30	23	45	44	37	36	40	38	37	41
41351	NCA9	RES	134	202-210 LUDDENHAM ROAD	5239	45	36	41	32	31	31	24	29	22	42	41	35	34	38	36	34	39
41364	NCA9	RES	135	212-214 LUDDENHAM ROAD	5240	45	32	38	29	30	30	22	27	21	42	41	35	34	38	36	34	39
41380	NCA9	RES	137	212-214 LUDDENHAM ROAD	5242	45	36	41	32	33	32	25	30	24	44	44	37	36	40	38	37	41
41404	NCA9	RES	139	212-214 LUDDENHAM ROAD	5244	45	32	38	29	31	30	23	28	21	45	44	37	36	40	39	37	42
41412	NCA9	RES	140	212-214 LUDDENHAM ROAD	5245	45	29	35	26	25	24	17	22	16	42	41	35	33	37	36	34	39
41417	NCA9	RES	142	216 LUDDENHAM ROAD	5247	45	33	39	30	31	30	23	28	21	42	41	34	33	37	35	34	38
41426	NCA9	RES	144	216 LUDDENHAM ROAD	5249	45	34	39	30	31	30	23	28	21	42	41	35	34	38	36	34	39
41437	NCA9	RES	146	216 LUDDENHAM ROAD	5251	45	31	36	27	29	29	22	27	20	45	44	37	36	40	38	37	41
41442	NCA9	RES	173	221-227 LUDDENHAM ROAD	5278	45	35	40	31	30	29	22	27	21	44	43	37	36	40	38	36	41
41445	NCA9	RES	174	221-227 LUDDENHAM ROAD	5279	45	35	40	31	34	33	26	31	24	42	42	35	34	38	36	35	39
41454	NCA9	RES	203	221-227 LUDDENHAM ROAD	5308	45	38	43	34	35	34	27	32	25	46	45	37	36	40	38	36	41
41459	NCA9	RES	209	221-227 LUDDENHAM ROAD	5314	45	35	40	32	32	31	24	29	22	44	43	37	36	40	38	36	41
41466	NCA9	RES	224	222-224 LUDDENHAM ROAD	5329	45	34	39	30	31	30	23	28	21	41	41	34	33	37	35	34	38
41478	NCA9	RES	228	222B LUDDENHAM ROAD	5333	45	34	39	30	32	32	25	30	23	45	44	37	36	40	38	37	41
41486	NCA9	RES	229	226-228 LUDDENHAM ROAD	5334	45	34	39	30	26	30	22	27	21	41	40	33	32	36	35	33	38
41496	NCA9	RES	230	226-228 LUDDENHAM ROAD	5335	45	34	40	31	31	30	23	28	22	42	41	34	33	37	36	34	39
41501	NCA9	RES	232	226-228 LUDDENHAM ROAD	5337	45	33	38	29	31	30	23	28	21	42	41	34	33	37	35	34	38
41506	NCA9	RES	234	229-231 LUDDENHAM ROAD	5339	45	38	44	35	35	34	27	32	26	46	45	39	38	42	40	38	43
41521	NCA9	RES	243	230-234 LUDDENHAM ROAD	5348	45	37	42	33	34	33	26	31	25	44	43	37	35	39	38	36	41
41529	NCA9	RES	244	230-234 LUDDENHAM ROAD	5349	45	34	39	30	31	30	23	28	22	41	40	33	32	36	35	33	38
41536	NCA9	RES	246	233-249 LUDDENHAM ROAD	5351	45	36	41	32	33	32	25	30	23	45	44	38	37	41	39	37	42
41550	NCA9	RES	252	236-238 LUDDENHAM ROAD	5357	45	37	42	33	34	33	26	31	25	43	43	34	33	37	35	34	38
41559	NCA9	RES	255	236-238 LUDDENHAM ROAD	5360	45	34	40	31	31	30	23	28	22	41	40	34	33	37	35	33	38
41564	NCA9	RES	256	240-244 LUDDENHAM ROAD	5361	45	21	26	17	22	21	14	19	12	41	40	33	32	36	35	33	38
41569	NCA9	RES	259	240-244 LUDDENHAM ROAD	5364	45	31	37	28	27	27	20	25	18	42	41	35	34	38	36	34	39
41585	NCA9	RES	261	240-244 LUDDENHAM ROAD	5366	45	37	42	34	35	34	27	32	25	44	43	37	35	39	38	36	41
41591	NCA9	RES	263	246-248 LUDDENHAM ROAD	5368	45	34	39	30	32	31	24	29	22	40	39	33	32	36	34	32	37
41608	NCA9	RES	264	246-248 LUDDENHAM ROAD	5369	45	35	40	31	32	31	24	29	23	41	40	34	33	37	35	33	38
41615	NCA9	RES	267	246-248 LUDDENHAM ROAD	5372	45	29	34	25	28	27	20	25	19	41	40	34	33	37	35	33	38
41621	NCA9	RES	268	250-254 LUDDENHAM ROAD	5373	45	33	39	30	32	31	24	29	22	40	39	32	31	35	33	32	36
41624	NCA9	RES	269	250-254 LUDDENHAM ROAD	5374	45	34	39	31	32	31	24	29	23	40	39	33	32	36	34	32	37
41633	NCA9	RES	270	250-254 LUDDENHAM ROAD	5375	45	37	42	33	32	31	24	29	23	43	42	35	34	38	36	35	39
41647	NCA9	RES	272	250-254 LUDDENHAM ROAD	5377	45	35	40	31	33	32	25	30	23	41	40	34	33	37	35	33	38
41658	NCA9	RES	274	250-254 LUDDENHAM ROAD	5379	45	34	40	31	35	34	27	32	25	40	40	33	32	36	34	32	37
41662	NCA9	RES	276	251-261 LUDDENHAM ROAD	5381	45	38	44	35	36	35	28	33	26	43	42	36	35	39	37	35	40
41667	NCA9	RES	280	251-261 LUDDENHAM ROAD	5385	45	36	42	33	34	33	25	30	24	43	42	35	34	38	36	35	39
41678	NCA9	RES	281	256 LUDDENHAM ROAD	5386	45	35	40	31	33	32	25	30	23	43	43	36	35	39	37	35	40
41695	NCA9	RES	282	256 LUDDENHAM ROAD	5387	45	34	40	31	33	31	24	29	23	42	42	35	34	38	36	34	39
41702	NCA9	RES	283	262-266 LUDDENHAM ROAD	5388	45	35	40	31	33	32	25	30	24	40	39	33	32	36	34	32	37

Predicted OOHV Daytime construction noise

No.	NCA	Usage	rec	Address	Unique ID	NML	L _{eq} dB(A)															
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 5	Activity 6	Activity 7	Activity 8	Activity 9	Activity 10	Activity 11	Activity 12	Activity 13	Activity 14	Activity 15	Activity 16
41707	NCA9	RES	284	262-266 LUDDENHAM ROAD	5389	45	35	40	31	33	32	25	30	23	40	39	33	31	35	34	32	37
41712	NCA9	RES	285	262-266 LUDDENHAM ROAD	5390	45	35	41	32	33	32	25	30	24	41	40	33	32	36	34	33	37
41718	NCA9	RES	289	262-266 LUDDENHAM ROAD	5394	45	35	41	32	33	32	25	30	23	41	40	33	32	36	35	33	38
41727	NCA9	RES	290	263-273 LUDDENHAM ROAD	5395	45	36	41	32	34	33	26	31	25	44	43	37	36	40	38	36	41
41730	NCA9	RES	292	268-288 LUDDENHAM ROAD	5397	45	36	41	32	34	33	26	31	25	41	40	33	32	36	34	33	37
41735	NCA9	RES	293	275-285 LUDDENHAM ROAD	5398	45	37	43	34	35	34	27	32	25	43	43	36	35	39	37	35	40
41740	NCA9	RES	297	275-285 LUDDENHAM ROAD	5402	45	35	41	32	33	33	26	31	24	43	42	36	35	39	37	35	40
41753	NCA9	RES	298	275-285 LUDDENHAM ROAD	5403	45	39	44	35	34	34	27	32	25	43	42	35	34	38	36	34	39
41761	NCA9	RES	299	275A LUDDENHAM ROAD	5404	45	37	43	34	35	34	27	32	25	43	42	36	35	39	37	35	40
41777	NCA9	RES	302	275A LUDDENHAM ROAD	5407	45	38	43	34	37	36	29	34	27	46	45	37	36	40	38	36	41
41794	NCA9	RES	303	287 LUDDENHAM ROAD	5408	45	37	43	34	36	34	27	32	26	45	44	37	36	40	38	37	41
41798	NCA9	RES	305	287 LUDDENHAM ROAD	5410	45	37	43	34	38	37	30	35	28	43	42	35	34	38	36	34	39
41818	NCA9	RES	307	289-317 LUDDENHAM ROAD	5412	45	39	44	35	36	35	28	33	27	45	44	37	36	40	38	36	41
41830	NCA9	RES	308	289-317 LUDDENHAM ROAD	5413	45	41	46	37	36	35	28	33	27	45	44	36	35	39	37	35	40
41841	NCA9	RES	309	31-39 LUDDENHAM ROAD	5414	45	24	30	21	21	21	14	19	12	35	34	27	26	30	28	27	31
41846	NCA9	RES	312	319-325 LUDDENHAM ROAD	5417	45	43	48	39	39	37	30	35	29	47	47	39	38	42	40	38	43
41851	NCA9	RES	313	319-325 LUDDENHAM ROAD	5418	45	39	45	36	38	37	30	35	28	45	45	37	36	40	38	36	41
41861	NCA9	RES	314	319-325 LUDDENHAM ROAD	5419	45	43	48	39	41	40	33	38	31	47	46	38	37	41	39	37	42
41867	NCA9	RES	315	319-325 LUDDENHAM ROAD	5420	45	41	46	37	40	40	33	38	31	47	46	38	37	41	39	37	42
41875	NCA9	RES	317	319-325 LUDDENHAM ROAD	5422	45	39	44	35	38	37	30	35	28	44	43	36	35	39	38	36	41
41887	NCA9	RES	319	320-326 LUDDENHAM ROAD	5424	45	38	43	34	38	36	29	34	28	42	41	33	32	36	34	33	37
40923	NCA9	RES	321	327-329 LUDDENHAM ROAD	5426	45	55	60	51	41	41	34	39	32	72	71	55	54	58	57	55	60
41903	NCA9	RES	322	43A LUDDENHAM ROAD	5427	45	28	33	25	26	25	18	23	16	40	39	32	31	35	33	32	36
41910	NCA9	RES	323	43A LUDDENHAM ROAD	5428	45	29	34	25	25	24	17	22	15	43	42	35	34	38	36	35	39
41913	NCA9	RES	325	43A LUDDENHAM ROAD	5430	45	29	34	25	25	24	17	22	16	44	43	36	35	39	38	36	41
41923	NCA9	RES	328	43A LUDDENHAM ROAD	5433	45	32	37	28	28	27	20	25	18	46	45	39	38	42	40	38	43
41932	NCA9	RES	331	43A LUDDENHAM ROAD	5436	45	29	34	25	25	24	17	22	16	44	43	37	35	39	38	36	41
41940	NCA9	RES	343	573-577 MAMRE ROAD	5448	45	30	35	26	29	28	21	26	19	35	34	27	26	30	28	27	31
41951	NCA9	RES	344	573-577 MAMRE ROAD	5449	45	27	33	24	27	26	19	24	17	32	32	25	24	28	26	24	29
41960	NCA9	RES	346	43466 MANDALONG CLOSE	5451	45	27	32	23	25	24	17	22	16	35	34	28	26	30	29	27	32
41980	NCA9	RES	348	21A MANDALONG CLOSE	5453	45	29	35	26	28	27	20	25	19	35	34	28	26	30	29	27	32
42000	NCA9	RES	349	21A MANDALONG CLOSE	5454	45	27	32	23	26	25	18	23	17	33	32	25	24	28	26	25	29
42005	NCA9	RES	351	25-31 MANDALONG CLOSE	5456	45	27	32	24	26	25	18	23	16	34	33	26	25	29	27	26	30
42013	NCA9	RES	353	25-31 MANDALONG CLOSE	5458	45	27	32	24	26	25	18	23	16	34	33	26	25	29	27	26	30
42037	NCA9	RES	354	25-31 MANDALONG CLOSE	5459	45	30	35	26	28	27	20	25	19	36	35	29	27	31	30	28	33
42047	NCA9	RES	355	33-41 MANDALONG CLOSE	5460	45	27	33	24	26	25	18	23	16	34	33	26	25	29	28	26	31
42061	NCA9	RES	356	33-41 MANDALONG CLOSE	5461	45	30	35	26	28	28	20	25	19	36	35	28	27	31	29	28	32
42079	NCA9	RES	357	33-41 MANDALONG CLOSE	5462	45	28	33	24	26	25	18	23	17	35	34	27	26	30	28	27	31
42089	NCA9	RES	360	43-51 MANDALONG CLOSE	5465	45	28	33	25	27	26	19	24	17	35	34	28	26	30	29	27	32
42092	NCA9	RES	361	43-51 MANDALONG CLOSE	5466	45	21	26	17	19	18	11	16	10	35	34	28	27	31	29	27	32
42096	NCA9	RES	362	43-51 MANDALONG CLOSE	5467	45	28	33	24	26	26	18	23	17	35	34	27	26	30	28	27	31
42108	NCA9	RES	363	43-51 MANDALONG CLOSE	5468	45	30	36	27	29	28	21	26	19	36	35	28	27	31	30	28	33
42137	NCA9	RES	364	53-63 MANDALONG CLOSE	5469	45	28	34	25	27	26	19	24	17	35	34	28	27	31	29	27	32
42140	NCA9	RES	366	53-63 MANDALONG CLOSE	5471	45	25	30	21	26	25	18	23	17	34	33	26	25	29	27	26	30
42161	NCA9	RES	367	53-63 MANDALONG CLOSE	5472	45	31	36	27	29	28	21	26	20	38	37	30	29	33	31	30	34
42181	NCA9	RES	368	53-63 MANDALONG CLOSE	5473	45	31	36	27	29	28	21	26	20	38	37	30	29	33	32	30	35
42193	NCA9	RES	370	65-73 MANDALONG CLOSE	5475	45	29	34	26	28	27	20	25	18	36	35	28	27	31	30	28	33
42205	NCA9	RES	373	65-73 MANDALONG CLOSE	5478	45	29	35	26	30	29	22	27	20	39	38	31	30	34	32	31	35
42220	NCA9	RES	374	65-73 MANDALONG CLOSE	5479	45	30	35	26	28	27	20	25	18	36	36	29	28	32	30	28	33
42236	NCA9	RES	375	65-73 MANDALONG CLOSE	5480	45	30	35	26	30	29	22	27	21	36	36	29	28	32	30	28	33
42250	NCA9	RES	376	75-77 MANDALONG CLOSE	5481	45	32	37	28	31	30	23	28	21	39	38	32	31	35	33	31	36
42265	NCA9	RES	377	79-81 MANDALONG CLOSE	5482	45	30	35	26	28	27	20	25	18	38	37	31	30	34	32	30	35
42281	NCA9	RES	380	79-81 MANDALONG CLOSE	5485	45	32	38	29	30	29	22	27	21	40	39	33	32	36	34	32	37
42287	NCA9	RES	381	79-81 MANDALONG CLOSE	5486	45	32	38	29	30	29	22	27	21	38	37	30	29	33	31	30	34
42296	NCA9	RES	382	79-81 MANDALONG CLOSE	5487	45	30	36	27	28	27	20	25	18	38	37	30	29	33	32	30	35
42300	NCA9	RES	384	79-81 MANDALONG CLOSE	5489	45	30	35	26	28	27	20	25	18	37	36	30	29	33	31	29	34
42318	NCA9	RES	385	79-81 MANDALONG CLOSE	5490	45	29	35	26	27	27	19	24	18	37	36	30	28	32	31	29	34
42326	NCA9	RES	386	79-81 MANDALONG CLOSE	5491	45	30	35	26	28	27	20	25	18	38	37	31	30	34	32	30	35

Predicted OOHV Daytime construction noise																						
No.	NCA	Usage	rec	Address	Unique ID	NML	L _{eq} dB(A)															
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 5	Activity 6	Activity 7	Activity 8	Activity 9	Activity 10	Activity 11	Activity 12	Activity 13	Activity 14	Activity 15	Activity 16
42331	NCA9	RES	387	79-81 MANDALONG CLOSE	5492	45	30	35	26	28	27	20	25	18	37	36	30	29	33	31	29	34
42347	NCA9	RES	392	83-91 MANDALONG CLOSE	5497	45	29	34	26	27	26	19	24	18	38	37	30	29	33	32	30	35
42367	NCA9	RES	393	83-91 MANDALONG CLOSE	5498	45	31	37	28	29	28	21	26	20	37	36	29	28	32	31	29	34
42386	NCA9	RES	396	83-91 MANDALONG CLOSE	5501	45	29	34	25	27	26	19	24	17	37	36	29	28	32	30	29	33
42390	NCA9	RES	398	83-91 MANDALONG CLOSE	5503	45	29	34	25	14	14	7	12	5	39	38	32	31	35	33	31	36
42396	NCA9	RES	755	2042-2550 THE NORTHERN ROAD	6271	45	30	36	27	26	26	19	24	17	33	32	26	25	29	27	25	30
42412	NCA9	RES	756	2042-2550 THE NORTHERN ROAD	6272	45	31	36	27	27	27	20	25	18	33	32	25	24	28	27	25	30
42415	NCA9	RES	761	2042-2550 THE NORTHERN ROAD	6277	45	30	36	27	26	26	19	24	18	32	31	25	24	28	26	24	29
42428	NCA9	RES	762	2042-2550 THE NORTHERN ROAD	6278	45	30	35	26	26	26	19	24	17	32	31	24	23	27	25	24	28
42429	NCA9	RES	763	2042-2550 THE NORTHERN ROAD	6279	45	31	36	28	27	27	20	25	18	33	33	26	25	29	27	25	30
42443	NCA9	RES	766	2042-2550 THE NORTHERN ROAD	6282	45	30	36	27	26	26	19	24	17	32	31	25	24	28	26	24	29
42447	NCA9	RES	767	2042-2550 THE NORTHERN ROAD	6283	45	30	36	27	26	26	19	24	17	33	32	25	24	28	26	25	29
42460	NCA9	RES	769	2042-2550 THE NORTHERN ROAD	6285	45	30	36	27	26	28	20	25	19	33	32	25	24	28	26	24	29
42476	NCA9	RES	772	2042-2550 THE NORTHERN ROAD	6288	45	32	37	28	27	29	22	27	20	34	33	27	26	30	28	26	31
42496	NCA9	RES	774	2042-2550 THE NORTHERN ROAD	6290	45	29	34	25	25	25	18	23	16	31	30	23	22	26	24	23	27
42499	NCA10	COM	1		1	70	37	42	33	40	39	32	37	30	39	38	31	30	34	32	31	35
42501	NCA10	COM	7	1669-1723 ELIZABETH DRIVE	7	70	18	23	14	22	21	14	19	13	28	27	20	19	23	21	20	24
42508	NCA10	COM	8	1669-1723 ELIZABETH DRIVE	8	70	18	23	15	22	22	15	20	13	28	27	21	20	24	22	20	25
42516	NCA10	COM	11	1669-1723 ELIZABETH DRIVE	11	70	18	23	14	22	22	14	19	13	28	27	21	20	24	22	20	25
42522	NCA10	COM	45	1745 ELIZABETH DRIVE	45	70	21	27	18	25	25	18	23	16	32	31	24	23	27	25	24	28
42527	NCA10	COM	46	1745 ELIZABETH DRIVE	46	70	19	24	15	23	23	15	20	14	29	28	22	21	25	23	21	26
42538	NCA10	COM	47	1745 ELIZABETH DRIVE	47	70	19	24	15	23	23	15	20	14	29	28	22	21	25	23	21	26
42543	NCA10	COM	48	1745 ELIZABETH DRIVE	48	70	19	24	15	23	23	15	20	14	29	28	22	21	25	23	21	26
42550	NCA10	COM	49	1745 ELIZABETH DRIVE	49	70	19	24	15	23	22	15	20	14	29	28	22	21	25	23	21	26
42565	NCA10	COM	65	1953-2109 ELIZABETH DRIVE	65	70	28	33	24	33	33	25	30	24	43	43	36	35	39	37	35	40
42574	NCA10	COM	68	1953-2109 ELIZABETH DRIVE	68	70	28	33	24	33	32	25	30	24	42	42	35	34	38	36	34	39
42585	NCA10	COM	74	1953-2109 ELIZABETH DRIVE	74	70	25	31	22	30	30	23	28	21	40	39	33	32	36	33	32	37
42590	NCA10	COM	92	1953-2109 ELIZABETH DRIVE	92	70	25	31	22	30	30	23	28	21	40	39	33	31	35	33	32	37
42601	NCA10	COM	267	350 LUDDENHAM ROAD	267	70	36	41	33	40	38	31	36	30	38	37	31	30	34	32	30	35
42617	NCA10	COM	269	350-352 LUDDENHAM ROAD	269	70	38	43	34	40	38	31	36	30	40	39	33	32	36	34	32	37
42622	NCA10	COM	271	350-352 LUDDENHAM ROAD	271	70	39	44	35	40	38	31	36	30	41	40	34	32	36	35	33	38
42625	NCA10	COM	376	2510-2550 ELIZABETH DRIVE	5892	70	18	23	15	21	21	14	19	12	27	26	20	19	23	21	19	24
42634	NCA10	COM	377	2510-2550 ELIZABETH DRIVE	5893	70	20	26	17	23	22	15	20	14	29	28	21	20	24	22	21	26
42635	NCA10	COM	378	2510-2550 ELIZABETH DRIVE	5894	70	18	24	15	21	21	14	19	12	27	27	20	19	23	21	19	24
42645	NCA10	COM	381	2510-2550 ELIZABETH DRIVE	5897	70	18	24	15	21	20	13	18	12	27	26	20	19	23	21	19	24
42654	NCA10	COM	384	2510-2550 ELIZABETH DRIVE	5900	70	21	26	17	24	23	16	21	15	30	29	23	22	26	24	22	27
42662	NCA10	COM	385	2510-2550 ELIZABETH DRIVE	5901	70	18	23	14	20	20	13	18	11	27	26	19	18	22	20	19	23
42668	NCA10	COM	387	2510-2550 ELIZABETH DRIVE	5903	70	18	23	14	20	20	13	18	11	27	26	19	18	22	20	19	23
42672	NCA10	COM	388	846-890 LUDDENHAM ROAD	388	70	21	27	18	25	25	18	23	16	35	34	27	26	30	28	27	31
42678	NCA10	COM	389	2510-2550 ELIZABETH DRIVE	5905	70	18	23	15	20	20	13	18	11	27	26	19	18	22	20	19	23
42688	NCA10	COM	392	846-890 LUDDENHAM ROAD	392	70	20	26	17	25	25	18	23	17	35	34	27	26	30	28	27	31
42691	NCA10	COM	397	846-890 LUDDENHAM ROAD	397	70	22	28	19	26	26	19	24	17	35	34	27	26	30	28	27	31
42704	NCA10	COM	399	846-890 LUDDENHAM ROAD	399	70	22	27	18	25	25	18	23	16	32	31	25	24	28	26	24	29
42714	NCA10	COM	404	777-819 LUDDENHAM ROAD	5920	70	27	32	23	30	30	23	28	21	37	36	30	29	33	31	29	34
42728	NCA10	COM	414	846-890 LUDDENHAM ROAD	414	70	21	27	18	25	24	17	22	16	32	31	24	23	27	25	24	29
42738	NCA10	COM	416	823-849 LUDDENHAM ROAD	5932	70	24	29	20	27	26	19	24	18	33	32	25	24	28	26	25	29
42743	NCA10	COM	417	823-849 LUDDENHAM ROAD	5933	70	23	28	20	26	25	18	23	17	32	31	25	23	27	26	24	29
42751	NCA10	COM	418	823-849 LUDDENHAM ROAD	5934	70	24	29	20	26	26	19	24	17	34	33	26	25	29	27	26	30
42757	NCA10	COM	419	823-849 LUDDENHAM ROAD	5935	70	25	31	22	26	26	18	23	17	32	31	25	24	28	26	24	29
42770	NCA10	COM	425	846-890 LUDDENHAM ROAD	425	70	22	27	18	25	25	18	23	16	32	31	25	24	28	26	24	29
42773	NCA10	COM	434	869-885 LUDDENHAM ROAD	5950	70	21	26	17	24	24	17	22	15	31	30	24	23	27	25	23	28
42784	NCA10	COM	436	869A LUDDENHAM ROAD	5952	70	21	26	17	24	23	16	21	15	31	30	23	22	26	24	23	27
42787	NCA10	COM	637	45140 TWIN CREEKS DRIVE	637	70	37	42	33	41	40	33	38	31	38	38	31	30	34	32	30	35
42792	NCA10	COM	638	45140 TWIN CREEKS DRIVE	638	70	39	44	35	37	37	30	35	29	41	40	34	33	37	35	33	38
42809	NCA10	COM	639	45140 TWIN CREEKS DRIVE	639	70	38	43	34	43	42	35	40	34	41	40	33	32	36	34	32	37
42812	NCA10	COM	640	45140 TWIN CREEKS DRIVE	640	70	37	42	33	36	36	28	33	27	39	39	31	30	34	32	31	35
42844	NCA10	COM	641	45140 TWIN CREEKS DRIVE	641	70	39	44	36	44	42	35	40	34	41	40	34	33	37	35	33	38
42848	NCA10	IND	20	1669A ELIZABETH DRIVE	20	75	20	25	16	24	24	17	22	15	30	29	23	22	26	23	22	27

Predicted OOHV Daytime construction noise

No.	NCA	Usage	rec	Address	Unique ID	NML	L _{eq} dB(A)															
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 5	Activity 6	Activity 7	Activity 8	Activity 9	Activity 10	Activity 11	Activity 12	Activity 13	Activity 14	Activity 15	Activity 16
42852	NCA10	IND	21	1669A ELIZABETH DRIVE	21	75	20	25	16	24	24	16	21	15	30	29	23	22	26	23	22	27
42865	NCA10	IND	28	1669A ELIZABETH DRIVE	28	75	23	28	19	27	26	19	24	18	33	32	25	24	28	26	25	29
42882	NCA10	IND	29	1725A ELIZABETH DRIVE	29	75	28	33	24	33	32	25	30	23	38	37	30	29	33	31	30	34
42890	NCA10	IND	30	1725A ELIZABETH DRIVE	30	75	20	25	16	24	24	17	22	15	30	29	23	22	26	24	22	27
42903	NCA10	IND	32	1725A ELIZABETH DRIVE	32	75	25	31	22	33	32	25	30	24	38	37	30	29	33	31	30	34
42925	NCA10	IND	33	1725A ELIZABETH DRIVE	33	75	27	32	23	32	32	25	30	23	40	39	32	31	35	33	32	37
42944	NCA10	IND	34	1725A ELIZABETH DRIVE	34	75	25	30	21	30	29	22	27	21	33	32	25	24	28	27	25	30
42952	NCA10	IND	35	1725A ELIZABETH DRIVE	35	75	24	30	21	29	29	21	26	20	36	35	29	28	32	29	28	33
42958	NCA10	IND	41	1725A ELIZABETH DRIVE	41	75	23	28	19	27	26	19	24	18	33	32	26	24	28	26	25	30
42976	NCA10	IND	43	1725A ELIZABETH DRIVE	43	75	20	25	16	25	24	17	22	15	31	30	23	22	26	24	23	27
42982	NCA10	IND	44	1725A ELIZABETH DRIVE	44	75	20	25	16	24	24	16	21	15	30	30	23	22	26	24	22	27
43003	NCA10	IND	102	757-769 MAMRE ROAD	102	75	30	35	26	33	32	25	30	23	32	31	24	23	27	25	24	28
43015	NCA10	IND	341	2179 ELIZABETH DRIVE	5857	75	19	25	16	22	22	15	20	13	29	28	21	20	24	22	21	25
43020	NCA10	IND	342	2179 ELIZABETH DRIVE	5858	75	20	26	17	22	22	15	20	14	29	28	22	21	25	23	21	26
43027	NCA10	IND	344	2179 ELIZABETH DRIVE	5860	75	22	28	19	25	25	18	23	16	31	30	24	23	27	25	23	28
43034	NCA10	IND	347	2179A ELIZABETH DRIVE	5863	75	20	25	17	25	25	18	23	17	32	31	25	23	27	26	24	29
43035	NCA10	IND	348	2179A ELIZABETH DRIVE	5864	75	21	26	17	23	23	16	21	14	30	29	22	21	25	23	22	26
43044	NCA10	IND	349	2179A ELIZABETH DRIVE	5865	75	20	25	16	22	22	15	20	13	29	29	22	21	25	23	21	26
43048	NCA10	IND	351	2179A ELIZABETH DRIVE	5867	75	20	25	17	22	22	15	20	13	29	28	22	21	25	23	21	26
43052	NCA10	IND	352	2179A ELIZABETH DRIVE	5868	75	22	27	18	24	24	16	21	15	31	30	24	23	27	25	23	28
43056	NCA10	IND	353	2179A ELIZABETH DRIVE	5869	75	20	25	16	23	23	15	20	14	29	28	22	21	25	23	21	26
44913	NCA10	MUN	5	10 TWIN CREEK DRIVE	5	60	35	41	32	40	39	32	37	30	37	36	30	29	33	31	29	34
44920	NCA10	RES	16	1669A ELIZABETH DRIVE	16	40	21	27	18	26	25	18	23	17	31	30	24	23	27	25	23	28
44935	NCA10	RES	26	1669A ELIZABETH DRIVE	26	40	24	29	20	28	28	20	25	19	31	30	24	23	27	25	23	28
44940	NCA10	RES	52	1783-1789 ELIZABETH DRIVE	52	40	19	24	15	23	23	15	20	14	30	29	22	21	25	23	22	27
44950	NCA10	RES	81	1953-2109 ELIZABETH DRIVE	81	40	22	27	18	25	25	18	23	16	34	33	26	25	29	27	26	30
44958	NCA10	RES	82	1953-2109 ELIZABETH DRIVE	82	40	21	27	18	26	26	19	24	17	34	33	26	25	29	28	26	31
44966	NCA10	RES	88	1953-2109 ELIZABETH DRIVE	88	40	25	30	21	29	29	22	27	20	38	37	30	29	33	31	30	34
44980	NCA10	RES	97	707A MAMRE ROAD	97	40	32	38	29	34	33	26	31	24	35	34	28	27	31	29	27	32
44996	NCA10	RES	99	707A MAMRE ROAD	99	40	33	38	29	34	33	26	31	25	35	34	27	26	30	28	27	31
45026	NCA10	RES	104	3 BRIDPORT PLACE	104	40	30	35	27	36	36	29	34	27	45	44	38	36	40	38	37	42
45028	NCA10	RES	105	4 BRIDPORT PLACE	105	40	34	39	30	40	40	32	37	31	46	45	38	37	41	39	38	43
45035	NCA10	RES	106	4 BRIDPORT PLACE	106	40	31	37	28	40	40	32	37	31	46	45	38	37	41	39	38	42
45070	NCA10	RES	107	10 COMARGO LANE	107	40	42	47	38	42	40	33	38	32	44	43	36	35	39	37	36	40
45085	NCA10	RES	108	2 COMARGO LANE	108	40	38	43	34	40	39	32	37	30	40	39	32	31	35	34	32	37
45101	NCA10	RES	109	2 COMARGO LANE	109	40	41	46	37	43	42	35	40	33	43	42	36	35	39	37	35	40
45125	NCA10	RES	111	4 COMARGO LANE	111	40	41	46	37	41	40	32	37	31	43	42	36	35	39	37	35	40
45138	NCA10	RES	112	6 COMARGO LANE	112	40	39	44	35	44	42	35	40	33	41	41	34	33	37	35	33	38
45151	NCA10	RES	113	8 COMARGO LANE	113	40	39	44	35	41	39	32	37	31	42	41	34	33	37	35	33	38
45165	NCA10	RES	114	2 CRYSTAL DOWNS CLOSE	114	40	36	41	32	42	40	33	38	32	37	36	30	29	33	31	29	34
45179	NCA10	RES	115	3 CRYSTAL DOWNS CLOSE	115	40	36	41	32	41	40	33	38	32	40	39	32	31	35	33	32	36
45206	NCA10	RES	116	4 CRYSTAL DOWNS CLOSE	116	40	36	41	32	43	40	33	38	31	41	40	34	33	37	35	33	38
45215	NCA10	RES	118	5 CRYSTAL DOWNS CLOSE	118	40	35	41	32	43	42	35	40	34	39	38	32	31	35	33	31	36
45238	NCA10	RES	119	6 CRYSTAL DOWNS CLOSE	119	40	38	43	34	44	42	35	40	34	40	39	32	31	35	34	32	37
45264	NCA10	RES	120	7 CRYSTAL DOWNS CLOSE	120	40	38	43	34	43	42	35	40	33	40	39	33	31	35	34	32	37
45275	NCA10	RES	121	8 CRYSTAL DOWNS CLOSE	121	40	36	41	32	43	42	35	40	33	39	38	31	30	34	33	31	36
45288	NCA10	RES	122	10 DORAL GROVE	122	40	38	43	35	45	43	36	41	35	41	40	33	32	36	34	33	37
45306	NCA10	RES	125	11 DORAL GROVE	125	40	37	42	33	42	41	34	39	32	39	38	31	30	34	33	31	36
45312	NCA10	RES	126	3 DORAL GROVE	126	40	38	43	34	45	44	37	42	35	40	39	33	32	36	34	32	37
45335	NCA10	RES	127	4 DORAL GROVE	127	40	36	41	32	45	44	37	42	35	40	39	33	32	36	34	32	37
45354	NCA10	RES	128	5 DORAL GROVE	128	40	38	44	35	45	44	37	42	35	41	41	34	33	37	35	34	38
45365	NCA10	RES	129	6 DORAL GROVE	129	40	36	42	33	43	42	35	40	33	40	39	32	31	35	33	32	36
45385	NCA10	RES	131	7 DORAL GROVE	131	40	36	42	33	43	42	35	40	33	40	39	32	31	35	33	32	36
45405	NCA10	RES	132	8 DORAL GROVE	132	40	36	41	32	43	41	34	39	33	39	38	32	31	35	33	31	36
45419	NCA10	RES	133	9 DORAL GROVE	133	40	37	42	33	43	43	36	41	34	41	40	34	32	36	35	33	38
45443	NCA10	RES	137	2111-2141 ELIZABETH DRIVE	137	40	22	27	18	25	25	18	23	16	32	31	25	24	28	26	24	29
45460	NCA10	RES	146	10 FARMINGDALE COURT	146	40	30	35	26	36	35	28	33	27	42	41	34	33	37	35	34	38
45480	NCA10	RES	148	11 FARMINGDALE COURT	148	40	28	34	25	34	34	27	32	25	42	41	35	34	38	36	34	39

Predicted OOHV Daytime construction noise																						
No.	NCA	Usage	rec	Address	Unique ID	NML	L _{eq} dB(A)															
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 5	Activity 6	Activity 7	Activity 8	Activity 9	Activity 10	Activity 11	Activity 12	Activity 13	Activity 14	Activity 15	Activity 16
45506	NCA10	RES	149	12 FARMINGDALE COURT	149	40	33	38	29	39	38	31	36	29	45	45	38	37	41	39	37	42
45538	NCA10	RES	150	14 FARMINGDALE COURT	150	40	34	39	30	40	39	32	37	31	47	46	40	39	43	39	39	44
45563	NCA10	RES	151	14 FARMINGDALE COURT	151	40	30	35	27	36	36	29	34	27	46	45	38	37	41	39	38	42
45591	NCA10	RES	152	16 FARMINGDALE COURT	152	40	29	34	25	37	37	30	35	28	44	43	37	36	40	38	36	41
45599	NCA10	RES	153	17 FARMINGDALE COURT	153	40	32	37	28	37	37	30	35	28	42	41	35	34	38	36	34	39
45618	NCA10	RES	154	17 FARMINGDALE COURT	154	40	24	29	20	34	33	26	31	25	41	40	34	32	36	34	33	38
45622	NCA10	RES	155	18 FARMINGDALE COURT	155	40	30	35	26	35	35	28	33	26	42	41	35	34	38	36	34	39
45635	NCA10	RES	156	18 FARMINGDALE COURT	156	40	32	38	29	38	38	30	35	29	45	44	37	36	40	38	37	42
45645	NCA10	RES	157	2 FARMINGDALE COURT	157	40	33	38	29	38	38	31	36	29	44	43	37	35	39	37	36	41
45667	NCA10	RES	159	22 FARMINGDALE COURT	159	40	32	37	28	37	37	30	35	28	44	43	37	35	39	37	36	41
45710	NCA10	RES	160	5 FARMINGDALE COURT	160	40	32	37	28	37	37	30	35	28	43	42	36	35	39	37	35	40
45732	NCA10	RES	161	6 FARMINGDALE COURT	161	40	32	38	29	38	37	30	35	29	43	42	36	34	38	37	35	40
45747	NCA10	RES	162	6 FARMINGDALE COURT	162	40	25	30	21	36	35	28	33	27	43	42	36	35	39	34	35	40
45769	NCA10	RES	163	7 FARMINGDALE COURT	163	40	32	37	28	37	37	30	35	28	43	42	35	34	38	36	35	40
45789	NCA10	RES	165	7 FARMINGDALE COURT	165	40	29	35	26	35	34	27	32	26	40	39	33	32	36	34	32	37
45794	NCA10	RES	166	8 FARMINGDALE COURT	166	40	32	37	28	38	38	30	35	29	42	41	35	34	38	35	34	39
45822	NCA10	RES	167	9 FARMINGDALE COURT	167	40	29	34	26	35	34	27	32	25	40	39	33	31	35	33	32	37
45845	NCA10	RES	169	10 GANTON WAY	169	40	31	36	27	38	36	29	34	27	41	41	34	33	37	35	33	38
45880	NCA10	RES	170	12 GANTON WAY	170	40	33	38	29	39	38	31	36	30	42	41	34	33	37	35	34	38
45898	NCA10	RES	171	16 GANTON WAY	171	40	32	38	29	38	38	30	35	29	42	41	34	33	37	35	34	38
45938	NCA10	RES	172	18 GANTON WAY	172	40	32	38	29	38	38	30	35	29	42	41	35	33	37	35	34	39
45970	NCA10	RES	174	2 GANTON WAY	174	40	33	39	30	39	38	31	36	30	38	37	31	30	34	32	30	35
45989	NCA10	RES	176	4 GANTON WAY	176	40	33	38	30	39	38	31	36	30	40	39	32	31	35	33	32	36
46002	NCA10	RES	177	6 GANTON WAY	177	40	33	39	30	39	39	32	37	30	41	40	34	33	37	35	33	38
46030	NCA10	RES	178	6 GANTON WAY	178	40	31	36	27	39	39	32	37	30	41	40	34	33	37	35	33	38
46039	NCA10	RES	179	8 GANTON WAY	179	40	31	36	27	36	36	29	34	27	41	40	34	33	37	35	33	38
46052	NCA10	RES	180	10 HALMSTAD BOULEVARD	180	40	32	37	28	39	39	32	37	30	41	41	34	33	37	35	33	38
46065	NCA10	RES	181	10 HALMSTAD BOULEVARD	181	40	35	40	32	42	41	34	39	33	42	41	34	33	37	35	34	38
46076	NCA10	RES	182	10 HALMSTAD BOULEVARD	182	40	33	38	29	40	39	32	37	30	41	40	33	32	36	34	33	37
46082	NCA10	RES	184	11 HALMSTAD BOULEVARD	184	40	36	41	33	43	43	36	41	34	45	44	37	36	40	38	37	41
46105	NCA10	RES	185	11 HALMSTAD BOULEVARD	185	40	34	39	30	41	41	33	38	32	43	42	35	34	38	36	35	39
46111	NCA10	RES	186	12 HALMSTAD BOULEVARD	186	40	33	38	29	41	41	33	38	32	41	41	34	33	37	35	33	38
46125	NCA10	RES	187	12 HALMSTAD BOULEVARD	187	40	35	40	31	42	41	34	39	32	44	43	37	36	40	38	36	41
46136	NCA10	RES	188	13 HALMSTAD BOULEVARD	188	40	36	41	32	43	42	35	40	34	44	43	36	35	39	37	36	40
46141	NCA10	RES	189	13 HALMSTAD BOULEVARD	189	40	36	41	32	43	42	35	40	34	43	42	36	35	39	37	35	40
46158	NCA10	RES	190	14 HALMSTAD BOULEVARD	190	40	32	38	29	39	39	31	36	30	42	41	35	34	38	36	34	39
46178	NCA10	RES	191	14 HALMSTAD BOULEVARD	191	40	31	36	27	38	38	31	36	29	42	41	34	33	37	35	34	38
46201	NCA10	RES	192	15 HALMSTAD BOULEVARD	192	40	33	39	30	41	41	34	39	32	45	44	38	36	40	39	37	42
46204	NCA10	RES	193	15 HALMSTAD BOULEVARD	193	40	33	38	30	40	40	33	38	31	43	42	35	34	38	37	35	40
46214	NCA10	RES	194	17 HALMSTAD BOULEVARD	194	40	33	38	29	42	41	34	39	33	45	44	38	37	41	39	37	42
46236	NCA10	RES	195	19 HALMSTAD BOULEVARD	195	40	33	38	29	39	39	32	37	30	45	44	38	37	41	39	37	42
46252	NCA10	RES	196	19 HALMSTAD BOULEVARD	196	40	33	38	29	39	39	32	37	30	43	42	36	35	39	37	35	40
46255	NCA10	RES	197	20 HALMSTAD BOULEVARD	197	40	32	37	28	38	37	30	35	29	45	44	37	36	40	38	37	41
46260	NCA10	RES	198	20 HALMSTAD BOULEVARD	198	40	32	37	28	38	37	30	35	29	42	41	34	33	37	35	34	38
46272	NCA10	RES	199	20 HALMSTAD BOULEVARD	199	40	34	39	31	40	40	33	38	31	45	44	37	36	40	38	37	42
46296	NCA10	RES	200	22 HALMSTAD BOULEVARD	200	40	31	36	28	40	37	30	35	28	42	41	35	34	38	36	34	39
46323	NCA10	RES	201	23 HALMSTAD BOULEVARD	201	40	35	40	31	41	42	35	40	33	46	45	38	37	41	39	38	42
46329	NCA10	RES	203	24 HALMSTAD BOULEVARD	203	40	31	36	27	37	36	29	34	28	40	39	33	32	36	34	32	37
46354	NCA10	RES	204	24 HALMSTAD BOULEVARD	204	40	32	38	29	40	40	33	38	31	44	44	37	36	40	38	36	41
46355	NCA10	RES	205	25 HALMSTAD BOULEVARD	205	40	32	37	28	38	38	31	36	29	43	43	36	35	39	37	35	40
46375	NCA10	RES	206	25 HALMSTAD BOULEVARD	206	40	33	38	30	41	40	33	38	32	45	44	38	37	41	39	37	42
46393	NCA10	RES	207	26 HALMSTAD BOULEVARD	207	40	31	36	27	37	36	29	34	27	41	40	34	32	36	35	33	38
46401	NCA10	RES	208	26 HALMSTAD BOULEVARD	208	40	29	35	26	39	39	31	36	30	43	43	36	35	39	37	35	40
46420	NCA10	RES	209	27 HALMSTAD BOULEVARD	209	40	32	37	28	40	40	33	38	31	45	44	37	36	40	39	37	42
46429	NCA10	RES	211	28 HALMSTAD BOULEVARD	211	40	32	37	28	38	38	30	35	29	44	43	36	35	39	37	36	40
46447	NCA10	RES	212	28 HALMSTAD BOULEVARD	212	40	31	36	27	36	36	29	34	27	39	39	32	31	35	33	32	36
46454	NCA10	RES	213	3 HALMSTAD BOULEVARD	213	40	37	42	33	44	44	36	41	35	45	44	37	36	40	38	37	41
46475	NCA10	RES	214	39 HALMSTAD BOULEVARD	214	40	32	38	29	38	37	30	35	29	42	41	35	34	38	36	34	39

Predicted OOHV Daytime construction noise																						
No.	NCA	Usage	rec	Address	Unique ID	NML	L _{eq} dB(A)															
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46487	NCA10	RES	215	4 HALMSTAD BOULEVARD	215	40	36	41	32	44	43	36	41	34	43	43	36	35	39	37	36	40
46521	NCA10	RES	216	4 HALMSTAD BOULEVARD	216	40	36	41	32	43	42	35	40	33	40	39	33	32	36	34	32	37
46529	NCA10	RES	218	5 HALMSTAD BOULEVARD	218	40	34	40	31	44	43	36	41	35	44	43	37	36	40	38	36	41
46553	NCA10	RES	219	7 HALMSTAD BOULEVARD	219	40	37	42	33	44	43	36	41	35	43	42	36	34	38	37	35	40
46572	NCA10	RES	220	8 HALMSTAD BOULEVARD	220	40	36	41	32	43	42	35	40	33	44	43	36	35	39	37	36	40
46579	NCA10	RES	221	8 HALMSTAD BOULEVARD	221	40	36	41	32	42	42	34	39	33	43	42	36	35	39	37	35	40
46586	NCA10	RES	222	8 HALMSTAD BOULEVARD	222	40	33	38	30	40	39	32	37	31	43	42	36	35	39	37	35	40
46614	NCA10	RES	223	1 HUMEWOOD PLACE	223	40	34	40	31	40	40	33	38	31	42	41	34	33	37	35	34	38
46616	NCA10	RES	224	10 HUMEWOOD PLACE	224	40	31	36	27	39	38	31	36	30	41	40	34	33	37	35	33	38
46626	NCA10	RES	225	10 HUMEWOOD PLACE	225	40	34	39	30	41	41	34	39	32	43	42	35	34	38	36	35	39
46651	NCA10	RES	228	11 HUMEWOOD PLACE	228	40	34	39	30	40	39	32	37	31	43	42	35	34	38	37	35	40
46666	NCA10	RES	229	11 HUMEWOOD PLACE	229	40	31	36	27	37	37	29	34	28	40	39	32	31	35	33	32	36
46670	NCA10	RES	230	12 HUMEWOOD PLACE	230	40	34	39	31	41	40	33	38	32	44	43	36	35	39	37	36	40
46692	NCA10	RES	231	14 HUMEWOOD PLACE	231	40	34	40	31	40	40	33	38	31	41	40	34	33	37	35	33	38
46716	NCA10	RES	232	15 HUMEWOOD PLACE	232	40	31	36	27	38	37	30	35	29	43	42	35	34	38	36	35	39
46736	NCA10	RES	233	2 HUMEWOOD PLACE	233	40	30	35	27	38	38	31	36	29	42	41	34	33	37	35	34	38
46743	NCA10	RES	234	2 HUMEWOOD PLACE	234	40	31	36	27	40	39	32	37	31	39	39	32	31	35	33	31	36
46751	NCA10	RES	235	2 HUMEWOOD PLACE	235	40	32	38	29	39	38	31	36	30	40	39	33	32	36	34	32	37
46778	NCA10	RES	236	2 HUMEWOOD PLACE	236	40	30	35	26	38	37	30	35	29	39	39	32	31	35	33	31	36
46784	NCA10	RES	237	22 HUMEWOOD PLACE	237	40	31	36	27	37	36	29	34	28	41	40	33	32	36	34	33	37
46801	NCA10	RES	239	22 HUMEWOOD PLACE	239	40	31	36	27	39	39	32	37	30	42	41	35	33	37	35	34	39
46829	NCA10	RES	240	24 HUMEWOOD PLACE	240	40	33	38	29	39	38	31	36	30	41	40	33	32	36	34	33	37
46832	NCA10	RES	241	24 HUMEWOOD PLACE	241	40	30	36	27	36	36	29	34	27	40	39	33	32	36	34	32	37
46835	NCA10	RES	242	3 HUMEWOOD PLACE	242	40	31	37	28	38	37	30	35	28	38	37	31	29	33	32	30	35
46852	NCA10	RES	243	3 HUMEWOOD PLACE	243	40	34	39	31	40	37	30	35	29	40	39	32	31	35	33	32	36
46879	NCA10	RES	244	4 HUMEWOOD PLACE	244	40	32	38	29	39	38	31	36	29	40	39	33	32	36	34	32	37
46883	NCA10	RES	246	5 HUMEWOOD PLACE	246	40	26	31	22	38	37	30	35	29	42	41	34	33	37	35	34	38
46892	NCA10	RES	247	5 HUMEWOOD PLACE	247	40	32	37	28	38	37	30	35	29	42	41	35	34	38	36	34	39
46905	NCA10	RES	249	5 HUMEWOOD PLACE	249	40	31	36	27	37	37	30	35	28	42	41	34	33	37	36	34	38
46926	NCA10	RES	250	6 HUMEWOOD PLACE	250	40	35	40	31	41	40	33	38	32	41	40	33	32	36	34	33	37
46940	NCA10	RES	252	7 HUMEWOOD PLACE	252	40	31	37	28	38	37	30	35	28	40	39	32	31	35	33	32	36
46951	NCA10	RES	253	7 HUMEWOOD PLACE	253	40	32	37	28	38	37	30	35	29	42	42	35	34	38	36	34	39
46979	NCA10	RES	254	9 HUMEWOOD PLACE	254	40	34	39	30	40	40	33	38	31	41	40	33	32	36	34	33	37
46986	NCA10	RES	256	9 HUMEWOOD PLACE	256	40	33	39	30	40	40	32	37	31	40	39	33	32	36	34	32	37
46994	NCA10	RES	258	336-348 LUDDENHAM ROAD	258	40	39	44	35	39	38	31	36	29	41	41	33	32	36	34	32	37
47000	NCA10	RES	265	339-363 LUDDENHAM ROAD	265	40	40	45	36	40	39	32	37	30	43	42	35	34	38	36	34	39
47005	NCA10	RES	275	405-423 LUDDENHAM ROAD	275	40	46	51	42	46	44	37	42	36	48	47	40	39	43	42	40	45
47015	NCA10	RES	279	425-441 LUDDENHAM ROAD	279	40	43	48	39	51	48	41	46	40	47	46	38	37	41	39	38	42
47023	NCA10	RES	288	425A LUDDENHAM ROAD	288	40	46	51	43	54	52	45	50	43	48	47	41	39	43	42	40	45
47046	NCA10	RES	292	443-457 LUDDENHAM ROAD	292	40	51	56	48	57	55	48	53	46	53	52	46	44	48	47	45	50
47060	NCA10	RES	297	581 LUDDENHAM ROAD	297	40	47	53	44	59	67	60	65	58	53	52	46	45	49	47	45	50
47067	NCA10	RES	302	611-639 LUDDENHAM ROAD	302	40	37	42	33	43	42	35	40	34	55	54	48	47	51	49	47	52
47073	NCA10	RES	304	611A LUDDENHAM ROAD	304	40	36	41	32	41	41	34	39	32	52	52	45	44	48	46	44	49
47077	NCA10	RES	308	641-675 LUDDENHAM ROAD	308	40	33	38	29	36	36	29	34	28	45	44	37	36	40	38	37	41
47101	NCA10	RES	311	644-652 LUDDENHAM ROAD	311	40	35	40	32	41	41	34	39	32	57	56	50	49	53	51	50	54
47107	NCA10	RES	314	654-658 LUDDENHAM ROAD	314	40	34	40	31	41	40	33	38	32	55	54	48	46	50	49	47	52
47112	NCA10	RES	319	660-670 LUDDENHAM ROAD	319	40	33	38	30	38	38	31	36	29	49	48	42	41	45	43	41	46
47118	NCA10	RES	321	672-686 LUDDENHAM ROAD	321	40	32	37	28	37	37	30	35	28	48	47	40	39	43	42	40	45
47137	NCA10	RES	324	672-686 LUDDENHAM ROAD	324	40	33	38	29	39	39	32	37	30	50	49	42	41	45	43	42	46
47167	NCA10	RES	329	677-691 LUDDENHAM ROAD	329	40	33	38	29	37	36	29	34	28	48	47	41	40	44	42	40	45
47183	NCA10	RES	334	688-708 LUDDENHAM ROAD	334	40	34	39	31	39	39	31	36	30	49	48	41	40	44	43	41	46
47196	NCA10	RES	335	688-708 LUDDENHAM ROAD	335	40	31	36	27	35	35	28	33	26	45	44	38	36	40	39	37	42
47202	NCA10	RES	336	688-708 LUDDENHAM ROAD	336	40	31	37	28	36	36	29	34	27	47	46	39	38	42	40	39	43
47210	NCA10	RES	337	688-708 LUDDENHAM ROAD	337	40	32	37	28	36	36	29	34	27	45	44	38	37	41	39	37	42
47237	NCA10	RES	342	693-711 LUDDENHAM ROAD	342	40	32	37	29	34	34	27	32	25	40	40	33	32	36	34	33	37
47242	NCA10	RES	345	2179 ELIZABETH DRIVE	345	40	34	39	30	26	25	18	23	17	32	31	25	24	28	26	24	29
47243	NCA10	RES	345	693-711 LUDDENHAM ROAD	5861	40	23	29	20	34	34	27	32	26	42	41	35	33	37	36	34	39
47272	NCA10	RES	349	710-732 LUDDENHAM ROAD	349	40	30	35	26	33	33	26	31	24	42	41	35	34	38	36	34	39

Predicted OOHV Daytime construction noise																						
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47276	NCA10	RES	350	2179A ELIZABETH DRIVE	5866	40	23	29	20	25	24	17	22	16	30	29	22	21	25	24	22	27
47286	NCA10	RES	351	710-732 LUDDENHAM ROAD	351	40	29	35	26	33	33	26	31	24	41	41	34	33	37	35	33	38
47299	NCA10	RES	352	713-733 LUDDENHAM ROAD	352	40	32	37	28	35	35	28	33	26	43	42	35	34	38	37	35	40
47307	NCA10	RES	354	2207-2223 ELIZABETH DRIVE	5870	40	19	25	16	22	21	14	19	13	28	27	20	19	23	21	20	24
47313	NCA10	RES	355	734 LUDDENHAM ROAD	355	40	30	35	26	35	35	28	33	26	44	43	36	35	39	38	36	41
47315	NCA10	RES	355	2207-2223 ELIZABETH DRIVE	5871	40	20	26	17	22	22	15	20	13	29	28	21	20	24	22	21	25
47343	NCA10	RES	357	2207-2223 ELIZABETH DRIVE	5873	40	19	25	16	22	21	14	19	13	28	27	20	19	23	21	20	24
47350	NCA10	RES	358	2207-2223 ELIZABETH DRIVE	5874	40	20	25	16	22	22	15	20	13	28	28	21	20	24	22	20	25
47356	NCA10	RES	359	734-750 LUDDENHAM ROAD	359	40	31	36	27	34	34	27	32	26	41	40	34	32	36	35	33	38
47371	NCA10	RES	361	2225-2239 ELIZABETH DRIVE	5877	40	22	27	19	24	24	17	22	15	30	29	23	22	26	24	22	27
47390	NCA10	RES	363	2225-2239 ELIZABETH DRIVE	5879	40	22	27	18	24	24	17	22	15	30	29	23	22	26	24	22	27
47400	NCA10	RES	367	752-810 LUDDENHAM ROAD	367	40	27	32	23	32	31	24	29	23	39	39	32	31	35	33	31	36
47405	NCA10	RES	377	752-810 LUDDENHAM ROAD	377	40	29	34	25	32	32	25	30	23	40	39	33	31	35	34	32	37
47413	NCA10	RES	379	2510-2550 ELIZABETH DRIVE	5895	40	19	24	15	21	20	13	18	12	27	26	20	19	23	21	19	24
47447	NCA10	RES	384	812-844 LUDDENHAM ROAD	384	40	26	31	22	29	29	22	27	20	37	36	29	28	32	30	29	33
47454	NCA10	RES	385	812-844 LUDDENHAM ROAD	385	40	26	31	22	29	29	22	27	20	37	36	29	28	32	30	29	33
47490	NCA10	RES	386	812-844 LUDDENHAM ROAD	386	40	21	27	18	25	25	18	23	16	34	33	26	25	29	27	26	31
47499	NCA10	RES	390	2600 ELIZABETH DRIVE	5906	40	19	24	15	20	19	12	17	11	26	26	19	18	22	20	19	23
47500	NCA10	RES	392	2600 ELIZABETH DRIVE	5908	40	18	23	14	20	19	12	17	11	26	25	18	17	21	19	18	22
47506	NCA10	RES	394	2600 ELIZABETH DRIVE	5910	40	0	0	0	19	19	12	17	10	25	24	18	17	21	19	17	22
47535	NCA10	RES	395	765 LUDDENHAM ROAD	5911	40	27	32	23	30	29	22	27	21	36	35	29	28	32	30	28	33
47541	NCA10	RES	398	765 LUDDENHAM ROAD	5914	40	29	34	25	29	29	22	27	20	38	37	31	30	34	32	30	35
47553	NCA10	RES	399	765 LUDDENHAM ROAD	5915	40	27	32	23	29	29	22	27	20	39	38	31	30	34	32	31	35
47561	NCA10	RES	407	777-819 LUDDENHAM ROAD	5923	40	24	29	20	28	27	20	25	19	35	34	28	26	30	29	27	32
47576	NCA10	RES	409	821 LUDDENHAM ROAD	5925	40	23	28	19	28	28	21	26	19	35	34	28	27	31	29	27	32
47588	NCA10	RES	421	851-867 LUDDENHAM ROAD	5937	40	25	31	22	28	28	21	26	19	35	34	27	26	30	29	27	32
47595	NCA10	RES	422	869-885 LUDDENHAM ROAD	5938	40	22	27	18	24	24	17	22	15	31	30	24	23	27	25	23	28
47601	NCA10	RES	424	869-885 LUDDENHAM ROAD	5940	40	21	27	18	24	24	17	22	15	31	30	23	22	26	24	23	27
47612	NCA10	RES	429	869-885 LUDDENHAM ROAD	5945	40	22	27	18	24	24	17	22	15	31	30	24	22	26	25	23	28
47628	NCA10	RES	430	892 LUDDENHAM ROAD	430	40	24	29	20	26	26	19	24	17	33	32	26	24	28	27	25	30
47648	NCA10	RES	432	869-885 LUDDENHAM ROAD	5948	40	23	29	20	27	26	19	24	18	33	32	25	24	28	26	25	29
47660	NCA10	RES	435	869A LUDDENHAM ROAD	5951	40	21	26	17	24	23	16	21	15	30	29	23	22	26	24	22	27
47662	NCA10	RES	437	892B LUDDENHAM ROAD	437	40	20	26	17	23	23	16	21	14	30	29	23	22	26	24	22	27
47675	NCA10	RES	438	1 MEDINAH AVENUE	438	40	37	42	34	41	40	33	38	31	39	38	32	31	35	33	31	36
47696	NCA10	RES	439	1 MEDINAH AVENUE	439	40	35	40	31	39	37	30	35	29	37	36	29	28	32	30	29	33
47700	NCA10	RES	440	1 MEDINAH AVENUE	440	40	35	40	31	39	38	30	35	29	37	36	29	28	32	30	29	33
47723	NCA10	RES	441	11 MEDINAH AVENUE	441	40	36	41	32	38	37	29	34	28	37	37	30	29	33	31	29	34
47728	NCA10	RES	442	11 MEDINAH AVENUE	442	40	31	36	27	34	33	26	31	24	33	32	26	25	29	27	26	30
47739	NCA10	RES	444	12 MEDINAH AVENUE	444	40	35	40	31	38	37	30	35	28	38	37	30	29	33	31	30	34
47755	NCA10	RES	445	13 MEDINAH AVENUE	445	40	35	41	32	37	36	29	34	27	37	36	30	29	33	31	29	34
47771	NCA10	RES	447	14 MEDINAH AVENUE	447	40	33	38	29	38	37	30	35	28	37	36	29	28	32	30	29	33
47797	NCA10	RES	448	15 MEDINAH AVENUE	448	40	33	38	29	37	36	29	34	27	34	33	27	26	30	28	27	31
47814	NCA10	RES	450	16 MEDINAH AVENUE	450	40	35	41	32	37	36	29	34	27	37	37	30	29	33	31	29	34
47815	NCA10	RES	450	889 LUDDENHAM ROAD	5966	40	23	28	19	40	39	32	37	30	33	32	25	24	28	26	25	29
47842	NCA10	RES	451	17 MEDINAH AVENUE	451	40	29	34	25	37	36	28	33	27	33	33	26	25	29	27	25	30
47852	NCA10	RES	452	17 MEDINAH AVENUE	452	40	32	38	29	37	36	29	34	27	34	33	27	26	30	28	26	31
47864	NCA10	RES	452	889 LUDDENHAM ROAD	5968	40	23	28	20	26	26	19	24	17	33	32	25	24	28	26	25	29
47878	NCA10	RES	453	19 MEDINAH AVENUE	453	40	35	40	31	39	38	31	36	30	37	36	29	28	32	30	29	33
47895	NCA10	RES	454	1A MEDINAH AVENUE	454	40	37	43	34	42	41	33	38	32	39	39	32	31	35	33	31	36
47923	NCA10	RES	455	2 MEDINAH AVENUE	455	40	37	43	34	40	38	31	36	30	39	38	32	31	35	33	31	36
47946	NCA10	RES	456	21 MEDINAH AVENUE	456	40	32	37	29	37	36	29	34	27	34	33	27	25	29	28	26	31
47960	NCA10	RES	457	23 MEDINAH AVENUE	457	40	32	37	28	37	36	29	34	27	34	33	26	25	29	28	26	31
47978	NCA10	RES	458	24 MEDINAH AVENUE	458	40	33	38	29	40	39	32	37	31	37	36	30	29	33	31	29	34
47998	NCA10	RES	459	25 MEDINAH AVENUE	459	40	32	37	28	37	36	29	34	27	34	33	26	25	29	27	26	30
48020	NCA10	RES	460	25 MEDINAH AVENUE	460	40	32	37	28	36	35	28	33	27	34	33	26	25	29	27	26	30
48032	NCA10	RES	461	26 MEDINAH AVENUE	461	40	35	40	31	40	39	32	37	30	37	36	29	28	32	31	29	34
48053	NCA10	RES	462	26 MEDINAH AVENUE	462	40	32	38	29	38	37	29	34	28	36	36	27	26	30	28	26	31
48060	NCA10	RES	463	27 MEDINAH AVENUE	463	40	32	37	28	37	36	29	34	27	34	33	26	25	29	27	26	30

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48098	NCA10	RES	464	29 MEDINAH AVENUE	464	40	34	40	31	39	38	31	36	30	36	35	29	28	32	30	28	33
48125	NCA10	RES	466	3 MEDINAH AVENUE	466	40	34	40	31	39	37	30	35	29	36	35	29	28	32	30	28	33
48135	NCA10	RES	467	31 MEDINAH AVENUE	467	40	32	37	28	37	36	29	34	27	34	33	26	25	29	28	26	31
48155	NCA10	RES	468	4 MEDINAH AVENUE	468	40	34	39	30	39	38	31	36	29	36	35	29	28	32	30	28	33
48160	NCA10	RES	469	4 MEDINAH AVENUE	469	40	37	43	34	39	38	31	36	29	39	38	32	31	35	33	31	36
48173	NCA10	RES	470	5 MEDINAH AVENUE	470	40	34	39	31	38	37	30	35	29	36	35	29	28	32	30	28	33
48197	NCA10	RES	471	6 MEDINAH AVENUE	471	40	37	42	33	41	40	33	38	31	39	38	31	30	34	33	31	36
48209	NCA10	RES	473	7 MEDINAH AVENUE	473	40	36	42	33	40	39	32	37	31	38	37	31	30	34	32	30	35
48248	NCA10	RES	474	8 MEDINAH AVENUE	474	40	37	42	33	41	41	34	39	32	39	38	32	30	34	33	31	36
48254	NCA10	RES	475	9 MEDINAH AVENUE	475	40	33	38	30	37	36	29	34	27	35	34	28	27	31	29	27	32
48260	NCA10	RES	476	9 MEDINAH AVENUE	476	40	33	39	30	38	37	30	35	28	36	35	28	27	31	29	28	32
48282	NCA10	RES	477	10 PENNARD CRESCENT	477	40	34	39	30	41	41	34	39	32	39	38	31	30	34	33	31	36
48291	NCA10	RES	478	10 PENNARD CRESCENT	478	40	36	42	33	43	42	35	40	33	39	38	31	30	34	33	31	36
48306	NCA10	RES	480	11 PENNARD CRESCENT	480	40	34	39	30	41	40	33	38	31	38	37	30	29	33	31	30	34
48344	NCA10	RES	481	12 PENNARD CRESCENT	481	40	36	41	32	42	41	34	39	33	39	38	31	30	34	33	31	36
48361	NCA10	RES	482	12 PENNARD CRESCENT	482	40	34	39	30	40	39	32	37	30	36	36	29	28	32	30	29	33
48372	NCA10	RES	483	14 PENNARD CRESCENT	483	40	36	41	32	42	41	34	39	33	39	38	31	30	34	33	31	36
48393	NCA10	RES	486	15 PENNARD CRESCENT	486	40	33	39	30	39	37	30	35	29	35	34	28	27	31	29	27	32
48406	NCA10	RES	487	15 PENNARD CRESCENT	487	40	36	41	32	40	39	32	37	30	38	37	30	29	33	31	30	34
48426	NCA10	RES	488	16 PENNARD CRESCENT	488	40	36	41	32	42	41	34	39	32	39	38	32	31	35	33	31	36
48460	NCA10	RES	490	2 PENNARD CRESCENT	490	40	35	40	31	40	39	32	37	30	38	37	30	29	33	31	30	34
48474	NCA10	RES	491	2 PENNARD CRESCENT	491	40	34	40	31	40	39	32	37	30	37	36	29	28	32	31	29	34
48482	NCA10	RES	492	3 PENNARD CRESCENT	492	40	34	40	31	40	38	31	36	30	36	35	29	28	32	30	28	33
48492	NCA10	RES	493	3 PENNARD CRESCENT	493	40	35	40	31	39	38	31	36	30	37	36	29	28	32	31	29	34
48515	NCA10	RES	494	4 PENNARD CRESCENT	494	40	37	42	33	42	41	34	39	32	39	38	31	30	34	32	31	35
48543	NCA10	RES	496	4 PENNARD CRESCENT	496	40	37	42	33	42	40	33	38	32	39	38	32	31	35	33	31	36
48548	NCA10	RES	497	4 PENNARD CRESCENT	497	40	34	39	30	38	37	30	35	29	37	36	30	29	33	31	29	34
48563	NCA10	RES	498	5 PENNARD CRESCENT	498	40	34	39	31	39	38	31	36	30	36	35	29	27	31	30	28	33
48581	NCA10	RES	500	6 PENNARD CRESCENT	500	40	34	40	31	40	39	32	37	30	36	35	29	28	32	30	28	33
48589	NCA10	RES	501	6 PENNARD CRESCENT	501	40	37	42	33	42	41	34	39	33	39	38	31	30	34	32	31	35
48608	NCA10	RES	503	7 PENNARD CRESCENT	503	40	34	39	30	39	38	31	36	29	36	35	28	27	31	29	28	32
48623	NCA10	RES	504	8 PENNARD CRESCENT	504	40	36	42	33	42	41	34	39	33	39	38	31	30	34	32	31	35
48651	NCA10	RES	505	9 PENNARD CRESCENT	505	40	34	39	30	39	38	31	36	29	35	35	28	27	31	29	28	32
48667	NCA10	RES	507	10 PINE VALLEY CRESCENT	507	40	33	39	30	38	37	30	35	28	37	36	29	28	32	31	29	34
48689	NCA10	RES	509	11 PINE VALLEY CRESCENT	509	40	35	40	31	40	39	32	37	30	37	36	30	29	33	31	29	34
48708	NCA10	RES	510	11 PINE VALLEY CRESCENT	510	40	34	39	30	40	39	32	37	31	38	37	30	29	33	31	29	34
48716	NCA10	RES	511	12 PINE VALLEY CRESCENT	511	40	35	41	32	40	39	32	37	30	37	36	30	29	33	31	29	34
48738	NCA10	RES	512	13 PINE VALLEY CRESCENT	512	40	36	41	32	41	40	33	38	31	38	37	30	29	33	32	30	35
48756	NCA10	RES	513	15 PINE VALLEY CRESCENT	513	40	33	38	29	38	37	30	35	29	37	36	30	29	33	31	29	34
48770	NCA10	RES	514	17 PINE VALLEY CRESCENT	514	40	33	38	29	40	39	32	37	30	37	36	30	29	33	31	29	34
48809	NCA10	RES	516	2 PINE VALLEY CRESCENT	516	40	36	42	33	41	40	33	38	31	38	37	31	30	34	32	30	35
48821	NCA10	RES	517	3 PINE VALLEY CRESCENT	517	40	35	40	31	42	40	33	38	32	38	37	30	29	33	31	30	34
48828	NCA10	RES	518	3 PINE VALLEY CRESCENT	518	40	37	42	33	42	39	32	37	30	39	38	31	30	34	33	31	36
48855	NCA10	RES	519	4 PINE VALLEY CRESCENT	519	40	36	42	33	39	37	30	35	29	38	37	31	30	34	32	30	35
48871	NCA10	RES	520	5 PINE VALLEY CRESCENT	520	40	37	42	33	42	40	32	37	31	39	38	31	30	34	32	31	35
48894	NCA10	RES	522	6 PINE VALLEY CRESCENT	522	40	34	39	30	39	37	30	35	29	36	36	28	27	31	29	28	32
48907	NCA10	RES	524	7 PINE VALLEY CRESCENT	524	40	37	42	33	42	40	33	38	32	39	38	31	30	34	32	31	35
48921	NCA10	RES	525	8 PINE VALLEY CRESCENT	525	40	33	39	30	38	37	30	35	28	35	34	28	27	31	29	27	32
48943	NCA10	RES	527	9 PINE VALLEY CRESCENT	527	40	37	42	33	39	38	31	36	29	38	37	31	30	34	32	30	35
48950	NCA10	RES	528	1 PORTRUSH CRESCENT	528	40	40	45	36	48	47	40	45	38	43	42	36	35	39	37	35	40
48957	NCA10	RES	530	1 PORTRUSH CRESCENT	530	40	43	48	39	48	47	40	45	38	44	44	37	36	40	38	36	41
48976	NCA10	RES	531	10 PORTRUSH CRESCENT	531	40	39	44	36	46	44	37	42	36	41	40	34	32	36	35	33	38
48993	NCA10	RES	532	10 PORTRUSH CRESCENT	532	40	39	44	35	44	43	36	41	35	41	40	33	32	36	34	33	37
49002	NCA10	RES	533	11 PORTRUSH CRESCENT	533	40	39	44	36	52	50	43	48	41	44	44	37	36	40	38	36	41
49017	NCA10	RES	535	12 PORTRUSH CRESCENT	535	40	42	47	38	49	47	40	45	38	44	43	36	35	39	37	36	40
49034	NCA10	RES	536	12 PORTRUSH CRESCENT	536	40	39	44	35	46	44	37	42	36	41	40	33	32	36	34	33	37
49036	NCA10	RES	537	12 PORTRUSH CRESCENT	537	40	29	34	25	39	39	31	36	30	41	40	33	32	36	34	33	37
49088	NCA10	RES	539	13 PORTRUSH CRESCENT	539	40	43	48	39	51	49	42	47	40	45	44	37	36	40	39	37	42

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49106	NCA10	RES	540	14 PORTRUSH CRESCENT	540	40	39	44	35	46	44	37	42	36	40	39	33	32	36	34	32	37
49125	NCA10	RES	543	14 PORTRUSH CRESCENT	543	40	42	47	38	47	45	38	43	36	43	42	36	35	39	37	35	40
49154	NCA10	RES	545	15 PORTRUSH CRESCENT	545	40	40	46	37	51	50	43	48	41	43	43	36	35	39	38	36	41
49169	NCA10	RES	546	16 PORTRUSH CRESCENT	546	40	31	36	27	47	45	38	43	36	41	40	34	33	37	36	34	39
49195	NCA10	RES	547	16 PORTRUSH CRESCENT	547	40	40	45	36	47	46	38	43	37	43	42	36	35	39	37	35	40
49235	NCA10	RES	548	17 PORTRUSH CRESCENT	548	40	41	46	37	55	53	46	51	44	46	45	39	38	42	40	38	43
49243	NCA10	RES	552	17 PORTRUSH CRESCENT	552	40	41	46	37	53	52	45	50	43	43	43	36	35	39	39	37	42
49248	NCA10	RES	553	17 PORTRUSH CRESCENT	553	40	43	48	40	55	53	46	51	44	46	45	39	38	42	40	38	43
49271	NCA10	RES	555	18 PORTRUSH CRESCENT	555	40	41	47	38	47	46	39	44	37	43	42	36	35	39	37	35	40
49277	NCA10	RES	557	19 PORTRUSH CRESCENT	557	40	44	49	40	56	53	46	51	45	46	45	39	38	42	40	38	43
49304	NCA10	RES	559	2 PORTRUSH CRESCENT	559	40	42	47	38	47	45	38	43	36	44	43	36	35	39	37	36	40
49338	NCA10	RES	561	21 PORTRUSH CRESCENT	561	40	41	46	37	54	52	45	50	43	45	44	38	37	41	39	37	42
49376	NCA10	RES	562	22 PORTRUSH CRESCENT	562	40	42	47	38	49	47	40	45	38	43	42	36	35	39	37	35	40
49401	NCA10	RES	565	23 PORTRUSH CRESCENT	565	40	40	46	37	52	50	43	48	42	45	44	37	36	40	38	37	41
49412	NCA10	RES	567	24 PORTRUSH CRESCENT	567	40	39	45	36	49	49	42	47	40	44	43	36	35	39	38	36	41
49440	NCA10	RES	569	24 PORTRUSH CRESCENT	569	40	37	42	33	48	44	37	42	36	41	40	33	32	36	35	33	38
49451	NCA10	RES	570	26 PORTRUSH CRESCENT	570	40	41	46	37	51	50	43	48	41	44	43	37	36	40	38	36	41
49475	NCA10	RES	572	28 PORTRUSH CRESCENT	572	40	39	45	36	49	48	41	46	39	42	41	35	34	38	36	34	39
49497	NCA10	RES	573	28 PORTRUSH CRESCENT	573	40	37	43	34	47	47	40	45	38	42	41	35	34	38	36	34	39
49502	NCA10	RES	574	30 PORTRUSH CRESCENT	574	40	31	36	27	45	45	38	43	36	42	41	35	34	38	36	34	39
49513	NCA10	RES	575	30 PORTRUSH CRESCENT	575	40	41	46	37	52	51	44	49	42	45	44	37	36	40	39	37	42
49549	NCA10	RES	576	34 PORTRUSH CRESCENT	576	40	39	44	35	53	52	45	50	44	45	44	38	37	41	39	37	42
49566	NCA10	RES	578	34 PORTRUSH CRESCENT	578	40	36	41	32	46	45	38	43	37	43	42	36	35	39	37	35	40
49572	NCA10	RES	579	34 PORTRUSH CRESCENT	579	40	38	44	35	50	49	42	47	40	43	42	36	34	38	37	35	40
49576	NCA10	RES	580	36 PORTRUSH CRESCENT	580	40	40	45	37	52	51	43	48	42	46	45	39	37	41	40	38	43
49600	NCA10	RES	582	36 PORTRUSH CRESCENT	582	40	33	38	29	49	48	41	46	40	43	43	36	35	39	37	35	40
49621	NCA10	RES	583	38 PORTRUSH CRESCENT	583	40	43	48	39	55	54	47	52	45	47	46	39	38	42	40	39	43
49649	NCA10	RES	585	4 PORTRUSH CRESCENT	585	40	42	47	38	45	43	36	41	34	44	43	36	35	39	37	36	40
49676	NCA10	RES	586	40 PORTRUSH CRESCENT	586	40	41	46	37	53	52	44	49	43	46	45	39	38	42	40	38	43
49684	NCA10	RES	587	42 PORTRUSH CRESCENT	587	40	37	43	34	54	52	45	50	43	44	43	37	36	40	38	36	41
49694	NCA10	RES	588	42 PORTRUSH CRESCENT	588	40	41	46	38	54	52	45	50	44	47	46	39	38	42	40	39	43
49705	NCA10	RES	589	44 PORTRUSH CRESCENT	589	40	42	47	38	56	53	46	51	45	46	46	39	38	42	40	38	43
49719	NCA10	RES	590	44 PORTRUSH CRESCENT	590	40	41	47	38	58	55	48	53	47	47	46	40	38	42	41	39	44
49738	NCA10	RES	591	46 PORTRUSH CRESCENT	591	40	44	50	41	59	56	49	54	47	47	46	40	39	43	41	39	44
49756	NCA10	RES	592	46 PORTRUSH CRESCENT	592	40	42	47	38	58	56	49	54	47	47	46	40	39	43	41	39	44
49765	NCA10	RES	593	48 PORTRUSH CRESCENT	593	40	45	50	41	58	54	47	52	45	47	46	40	39	43	41	39	44
49793	NCA10	RES	594	48 PORTRUSH CRESCENT	594	40	42	48	39	58	55	48	53	46	45	44	38	37	41	39	37	42
49799	NCA10	RES	595	48 PORTRUSH CRESCENT	595	40	42	47	39	60	57	50	55	48	48	48	41	40	44	42	40	45
49804	NCA10	RES	596	48 PORTRUSH CRESCENT	596	40	41	47	38	60	57	50	55	48	48	47	40	39	43	41	40	44
49807	NCA10	RES	597	5 PORTRUSH CRESCENT	597	40	43	48	39	50	48	41	46	39	44	44	37	36	40	38	37	41
49815	NCA10	RES	598	5 PORTRUSH CRESCENT	598	40	41	47	38	47	45	38	43	37	44	43	37	36	40	38	36	41
49817	NCA10	RES	599	5 PORTRUSH CRESCENT	599	40	42	47	38	50	48	41	46	39	44	44	37	36	40	38	36	41
49842	NCA10	RES	600	52 PORTRUSH CRESCENT	600	40	42	48	39	57	54	47	52	45	47	46	39	38	42	40	39	43
49859	NCA10	RES	602	52 PORTRUSH CRESCENT	602	40	32	37	28	56	53	46	51	44	45	44	37	36	40	38	37	41
49876	NCA10	RES	603	54 PORTRUSH CRESCENT	603	40	42	47	38	54	52	45	50	43	45	44	37	36	40	38	36	41
49894	NCA10	RES	604	54 PORTRUSH CRESCENT	604	40	42	47	38	54	51	44	49	43	44	43	37	36	40	38	36	41
49899	NCA10	RES	605	56 PORTRUSH CRESCENT	605	40	42	47	38	53	50	43	48	42	45	44	38	37	41	39	37	42
49925	NCA10	RES	606	58 PORTRUSH CRESCENT	606	40	43	49	40	52	50	42	47	41	45	44	38	37	41	39	37	42
49950	NCA10	RES	607	6 PORTRUSH CRESCENT	607	40	39	45	36	48	46	39	44	37	42	41	35	34	38	36	34	39
49970	NCA10	RES	608	6 PORTRUSH CRESCENT	608	40	27	32	23	36	35	28	33	27	41	40	34	32	36	35	33	38
49974	NCA10	RES	610	6 PORTRUSH CRESCENT	610	40	39	44	35	42	43	35	40	34	41	40	33	32	36	35	33	38
49982	NCA10	RES	611	60 PORTRUSH CRESCENT	611	40	41	47	38	51	49	42	47	40	44	43	36	35	39	37	35	40
49997	NCA10	RES	613	62 PORTRUSH CRESCENT	613	40	41	46	37	52	51	43	48	42	44	43	37	36	40	38	36	41
50021	NCA10	RES	614	62 PORTRUSH CRESCENT	614	40	44	49	40	50	48	41	46	40	45	45	38	37	41	39	37	42
50029	NCA10	RES	615	64 PORTRUSH CRESCENT	615	40	41	46	37	52	49	42	47	41	44	44	37	36	40	38	36	41
50047	NCA10	RES	616	64 PORTRUSH CRESCENT	616	40	43	49	40	49	47	40	45	39	45	44	38	37	41	39	37	42
50050	NCA10	RES	617	66 PORTRUSH CRESCENT	617	40	43	48	39	48	46	39	44	38	45	44	37	36	40	39	37	42
50071	NCA10	RES	618	68 PORTRUSH CRESCENT	618	40	40	46	37	48	46	39	44	38	43	42	36	35	39	37	35	40

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No.	NCA	Usage	rec	Address	Unique ID	NML	L _{eq} dB(A)															
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 5	Activity 6	Activity 7	Activity 8	Activity 9	Activity 10	Activity 11	Activity 12	Activity 13	Activity 14	Activity 15	Activity 16
50108	NCA10	RES	620	8 PORTRUSH CRESCENT	620	40	39	44	35	45	44	36	41	35	41	40	33	32	36	34	33	37
50114	NCA10	RES	621	8 PORTRUSH CRESCENT	621	40	39	45	36	47	46	39	44	37	42	42	35	34	38	36	34	39
50134	NCA10	RES	622	11 TWIN CREEKS DRIVE	622	40	35	40	31	40	39	32	37	30	39	38	31	30	34	33	31	36
50153	NCA10	RES	623	13 TWIN CREEKS DRIVE	623	40	27	32	23	40	39	32	37	30	36	35	29	28	32	30	28	33
50160	NCA10	RES	624	13 TWIN CREEKS DRIVE	624	40	37	42	34	41	40	33	38	31	39	38	32	30	34	33	31	36
50182	NCA10	RES	625	13 TWIN CREEKS DRIVE	625	40	34	40	31	41	39	32	37	31	36	35	29	28	32	30	28	33
50185	NCA10	RES	626	13 TWIN CREEKS DRIVE	626	40	35	40	31	41	39	32	37	31	37	37	30	29	33	31	29	34
50196	NCA10	RES	627	14 TWIN CREEKS DRIVE	627	40	38	43	34	43	42	35	40	33	40	39	32	31	35	33	32	36
50220	NCA10	RES	628	15 TWIN CREEKS DRIVE	628	40	37	43	34	41	40	33	38	31	39	38	32	31	35	33	31	36
50238	NCA10	RES	629	15 TWIN CREEKS DRIVE	629	40	37	42	33	41	40	33	38	31	39	38	31	30	34	33	31	36
50244	NCA10	RES	631	15 TWIN CREEKS DRIVE	631	40	34	40	31	42	42	35	40	33	39	38	32	31	35	33	31	36
50249	NCA10	RES	632	15 TWIN CREEKS DRIVE	632	40	35	40	31	42	42	35	40	33	39	38	31	30	34	33	31	36
50257	NCA10	RES	633	17 TWIN CREEKS DRIVE	633	40	37	42	33	43	42	35	40	33	39	38	32	31	35	33	31	36
50266	NCA10	RES	634	17 TWIN CREEKS DRIVE	634	40	27	33	24	41	40	33	38	31	38	37	31	30	34	32	30	35
50271	NCA10	RES	635	17 TWIN CREEKS DRIVE	635	40	35	40	31	43	42	35	40	33	39	38	32	31	35	33	31	36
50317	NCA10	RES	636	18 TWIN CREEKS DRIVE	636	40	38	43	34	45	42	35	40	33	40	39	33	32	36	34	32	37
50325	NCA10	RES	643	20 TWIN CREEKS DRIVE	643	40	35	40	31	41	39	32	37	31	37	36	29	28	32	30	29	33
50341	NCA10	RES	644	21 TWIN CREEKS DRIVE	644	40	34	40	31	41	40	33	38	31	37	36	30	29	33	31	29	34
50349	NCA10	RES	645	21 TWIN CREEKS DRIVE	645	40	34	40	31	41	40	33	38	31	39	38	32	31	35	33	31	36
50365	NCA10	RES	646	21 TWIN CREEKS DRIVE	646	40	37	42	33	43	42	35	40	34	40	39	32	31	35	33	32	36
50383	NCA10	RES	648	22 TWIN CREEKS DRIVE	648	40	38	43	34	43	42	35	40	33	39	38	32	31	35	33	31	36
50403	NCA10	RES	652	24 TWIN CREEKS DRIVE	652	40	38	43	34	42	41	34	39	32	40	39	32	31	35	33	32	36
50438	NCA10	RES	653	26 TWIN CREEKS DRIVE	653	40	37	42	33	44	43	36	41	34	40	39	32	31	35	33	32	36
50469	NCA10	RES	654	27 TWIN CREEKS DRIVE	654	40	35	40	32	43	42	35	40	33	42	41	34	33	37	36	34	39
50480	NCA10	RES	655	27 TWIN CREEKS DRIVE	655	40	30	35	26	42	41	34	39	32	39	38	32	31	35	33	31	36
50485	NCA10	RES	656	28 TWIN CREEKS DRIVE	656	40	35	41	32	42	41	34	39	32	39	38	32	31	35	33	32	36
50506	NCA10	RES	657	28 TWIN CREEKS DRIVE	657	40	36	41	32	45	44	37	42	35	41	40	34	32	36	35	33	38
50521	NCA10	RES	658	29 TWIN CREEKS DRIVE	658	40	35	40	31	42	42	34	39	33	42	41	34	33	37	35	34	38
50539	NCA10	RES	660	29 TWIN CREEKS DRIVE	660	40	31	36	27	42	41	34	39	32	41	40	33	32	36	35	33	38
50546	NCA10	RES	661	30 TWIN CREEKS DRIVE	661	40	35	40	31	42	41	34	39	32	39	38	31	30	34	32	30	35
50575	NCA10	RES	663	31 TWIN CREEKS DRIVE	663	40	35	40	31	42	41	34	39	33	40	39	32	31	35	33	32	36
50591	NCA10	RES	664	31 TWIN CREEKS DRIVE	664	40	34	40	31	43	42	35	40	34	41	40	34	33	37	35	33	38
50595	NCA10	RES	666	32 TWIN CREEKS DRIVE	666	40	38	43	34	45	44	36	41	35	40	39	33	32	36	34	32	37
50619	NCA10	RES	668	33 TWIN CREEKS DRIVE	668	40	34	40	31	43	42	35	40	34	42	41	35	34	38	36	34	39
50638	NCA10	RES	669	33 TWIN CREEKS DRIVE	669	40	34	39	30	41	41	33	38	32	39	38	32	31	35	33	31	36
50640	NCA10	RES	671	34 TWIN CREEKS DRIVE	671	40	38	43	34	44	43	36	41	35	40	39	33	32	36	34	32	37
50668	NCA10	RES	672	34 TWIN CREEKS DRIVE	672	40	37	42	33	43	43	36	41	34	42	41	34	33	37	35	34	38
50692	NCA10	RES	673	35 TWIN CREEKS DRIVE	673	40	37	42	33	43	43	36	41	34	42	41	35	34	38	36	34	39
50720	NCA10	RES	674	36 TWIN CREEKS DRIVE	674	40	38	43	34	44	43	36	41	35	40	40	33	32	36	34	32	37
50732	NCA10	RES	675	36 TWIN CREEKS DRIVE	675	40	35	40	31	44	43	36	41	35	40	39	33	32	36	34	32	37
50741	NCA10	RES	676	36 TWIN CREEKS DRIVE	676	40	35	40	31	42	41	34	39	32	38	37	31	30	34	32	30	35
50746	NCA10	RES	677	37 TWIN CREEKS DRIVE	677	40	33	38	30	40	40	33	38	31	39	38	32	31	35	33	31	36
50759	NCA10	RES	679	37 TWIN CREEKS DRIVE	679	40	36	42	33	43	42	35	40	34	42	41	35	34	38	36	34	39
50778	NCA10	RES	682	38 TWIN CREEKS DRIVE	682	40	38	43	34	43	42	35	40	34	40	39	33	32	36	34	32	37
50806	NCA10	RES	683	39 TWIN CREEKS DRIVE	683	40	34	39	30	40	40	33	38	31	40	39	32	31	35	33	32	36
50827	NCA10	RES	684	40 TWIN CREEKS DRIVE	684	40	36	41	32	46	45	38	43	36	43	42	36	35	39	37	35	40
50841	NCA10	RES	686	41 TWIN CREEKS DRIVE	686	40	32	38	29	40	39	32	37	31	39	39	32	31	35	33	31	36
50855	NCA10	RES	687	41 TWIN CREEKS DRIVE	687	40	33	38	29	40	39	32	37	30	38	37	30	29	33	32	30	35
50864	NCA10	RES	688	42 TWIN CREEKS DRIVE	688	40	36	41	32	45	45	38	43	36	43	42	35	34	38	37	35	40
50888	NCA10	RES	690	43 TWIN CREEKS DRIVE	690	40	33	38	29	40	39	32	37	30	39	38	32	31	35	33	31	36
50891	NCA10	RES	691	43 TWIN CREEKS DRIVE	691	40	30	35	27	39	39	31	36	30	39	38	32	31	35	33	31	36
50903	NCA10	RES	692	43 TWIN CREEKS DRIVE	692	40	34	40	31	43	42	35	40	33	40	40	33	32	36	34	32	37
50912	NCA10	RES	693	44 TWIN CREEKS DRIVE	693	40	38	43	34	46	45	38	43	36	41	40	33	32	36	34	33	37
50921	NCA10	RES	694	44 TWIN CREEKS DRIVE	694	40	36	42	33	46	45	38	43	36	43	42	36	35	39	37	35	40
50955	NCA10	RES	696	45 TWIN CREEKS DRIVE	696	40	33	38	30	41	40	33	38	31	40	39	33	32	36	34	32	37
50982	NCA10	RES	698	47 TWIN CREEKS DRIVE	698	40	35	40	31	41	41	34	39	32	42	41	34	33	37	35	34	38
51001	NCA10	RES	699	47 TWIN CREEKS DRIVE	699	40	32	38	29	39	38	31	36	29	39	38	31	30	34	32	31	35
51019	NCA10	RES	700	48 TWIN CREEKS DRIVE	700	40	37	43	34	46	45	38	43	36	44	43	37	35	39	37	35	40

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51029	NCA10	RES	702	49 TWIN CREEKS DRIVE	702	40	29	34	25	38	38	30	35	29	37	36	29	28	32	30	29	33
51049	NCA10	RES	703	49 TWIN CREEKS DRIVE	703	40	32	37	28	39	39	32	37	30	41	40	34	33	37	35	33	38
51054	NCA10	RES	704	5 TWIN CREEKS DRIVE	704	40	35	40	31	40	38	31	36	30	37	36	29	28	32	30	29	33
51076	NCA10	RES	705	50 TWIN CREEKS DRIVE	705	40	36	42	33	46	45	38	43	37	44	43	37	36	40	38	36	41
51099	NCA10	RES	708	51 TWIN CREEKS DRIVE	708	40	30	35	27	40	39	32	37	30	41	40	34	33	37	35	33	38
51120	NCA10	RES	709	52 TWIN CREEKS DRIVE	709	40	34	39	30	45	44	37	42	36	43	42	36	35	39	37	35	40
51160	NCA10	RES	710	52 TWIN CREEKS DRIVE	710	40	37	42	33	44	43	36	41	35	43	42	35	34	38	37	35	40
51165	NCA10	RES	711	53 TWIN CREEKS DRIVE	711	40	32	37	28	38	37	30	35	29	38	37	31	30	34	32	30	35
51171	NCA10	RES	712	53 TWIN CREEKS DRIVE	712	40	31	36	28	37	37	30	35	28	41	40	34	32	36	35	33	38
51198	NCA10	RES	715	54 TWIN CREEKS DRIVE	715	40	36	42	33	43	43	36	41	34	43	42	35	34	38	37	35	40
51216	NCA10	RES	716	54 TWIN CREEKS DRIVE	716	40	30	35	26	41	40	33	38	32	40	39	33	32	36	34	32	37
51220	NCA10	RES	717	55 TWIN CREEKS DRIVE	717	40	34	39	30	40	39	32	37	30	39	38	31	30	34	33	31	36
51239	NCA10	RES	718	55 TWIN CREEKS DRIVE	718	40	32	37	28	38	37	30	35	28	38	37	30	29	33	31	30	35
51244	NCA10	RES	719	55 TWIN CREEKS DRIVE	719	40	31	37	28	38	37	30	35	28	38	37	31	30	34	32	30	35
51271	NCA10	RES	721	58 TWIN CREEKS DRIVE	721	40	35	41	32	42	42	35	40	33	43	42	35	34	38	36	35	39
51286	NCA10	RES	722	62 TWIN CREEKS DRIVE	722	40	33	38	29	40	39	32	37	30	43	42	35	34	38	36	35	39
51300	NCA10	RES	723	62 TWIN CREEKS DRIVE	723	40	33	38	29	41	40	33	38	32	43	42	35	34	38	36	35	39
51316	NCA10	RES	725	62 TWIN CREEKS DRIVE	725	40	33	38	29	40	40	33	38	31	40	39	33	32	36	34	32	37
51329	NCA10	RES	727	62 TWIN CREEKS DRIVE	727	40	35	40	32	42	42	34	39	33	42	42	35	34	38	36	34	39
51343	NCA10	RES	728	64 TWIN CREEKS DRIVE	728	40	35	40	31	41	41	34	39	32	41	40	34	33	37	35	33	38
51369	NCA10	RES	730	64 TWIN CREEKS DRIVE	730	40	34	39	30	41	41	34	39	32	41	40	34	33	37	35	33	38
51378	NCA10	RES	731	7 TWIN CREEKS DRIVE	731	40	35	40	31	40	39	31	36	30	37	36	29	28	32	30	29	33
51391	NCA10	RES	732	9 TWIN CREEKS DRIVE	732	40	37	42	33	42	41	34	39	32	39	38	31	30	34	32	31	35
51422	NCA10	RES	736	1 VENTANA COURT	736	40	35	41	32	43	42	35	40	34	43	42	35	34	38	37	35	39
51444	NCA10	RES	737	2 VENTANA COURT	737	40	35	41	32	43	43	35	40	34	43	42	36	34	38	37	35	40
51458	NCA10	RES	738	2 VENTANA COURT	738	40	38	43	34	45	42	35	40	34	43	42	36	35	39	37	35	40
51477	NCA10	RES	740	3 VENTANA COURT	740	40	35	40	31	43	42	35	40	33	44	43	36	35	39	38	36	41
51487	NCA10	RES	741	4 VENTANA COURT	741	40	39	44	35	47	46	39	44	38	42	41	34	33	37	36	34	39
51493	NCA10	RES	742	4 VENTANA COURT	742	40	39	44	35	47	46	39	44	38	44	43	36	35	39	38	36	40
51518	NCA10	RES	743	5 VENTANA COURT	743	40	36	41	32	44	43	36	41	35	44	44	37	36	40	38	36	41
51534	NCA10	RES	744	6 VENTANA COURT	744	40	37	42	33	46	45	38	43	36	43	42	35	34	38	37	35	40
51546	NCA10	RES	745	6 VENTANA COURT	745	40	38	43	34	44	43	36	41	35	42	41	35	34	38	36	34	39
51576	NCA10	RES	746	7 VENTANA COURT	746	40	36	41	32	45	44	37	42	36	43	43	36	35	39	37	35	40
51589	NCA10	RES	748	7 VENTANA COURT	748	40	36	41	32	44	43	36	41	34	42	41	35	34	38	36	34	39
51598	NCA10	RES	749	1 WOODHALL PLACE	749	40	35	40	31	41	40	33	38	32	40	39	33	32	36	34	32	37
51618	NCA10	RES	751	11 WOODHALL PLACE	751	40	33	38	29	40	39	32	37	30	40	39	32	31	35	34	32	37
51622	NCA10	RES	752	11 WOODHALL PLACE	752	40	33	38	29	42	41	34	39	32	39	38	32	31	35	33	31	36
51649	NCA10	RES	753	13 WOODHALL PLACE	753	40	34	39	30	41	41	34	39	32	40	39	32	31	35	33	32	36
51671	NCA10	RES	754	15 WOODHALL PLACE	754	40	33	38	29	39	38	31	36	29	37	36	30	29	33	31	29	34
51680	NCA10	RES	755	15 WOODHALL PLACE	755	40	36	42	33	41	41	34	39	32	40	39	32	31	35	33	32	36
51736	NCA10	RES	756	17 WOODHALL PLACE	756	40	33	38	29	40	40	33	38	31	40	39	32	31	35	34	32	37
51766	NCA10	RES	757	19 WOODHALL PLACE	757	40	35	40	31	41	40	33	38	31	40	39	33	31	35	34	32	37
51768	NCA10	RES	759	2 WOODHALL PLACE	759	40	34	39	30	41	40	33	38	31	37	36	30	29	33	31	29	34
51782	NCA10	RES	760	2 WOODHALL PLACE	760	40	34	39	31	41	41	34	39	32	40	39	32	31	35	33	32	36
51797	NCA10	RES	761	3 WOODHALL PLACE	761	40	34	40	31	41	40	33	38	31	40	39	33	32	36	34	32	37
51820	NCA10	RES	763	4 WOODHALL PLACE	763	40	34	39	30	40	39	32	37	31	37	36	30	28	32	31	29	34
51855	NCA10	RES	765	5 WOODHALL PLACE	765	40	36	42	33	43	42	35	40	34	40	39	33	32	36	34	32	37
51865	NCA10	RES	766	6 WOODHALL PLACE	766	40	31	36	27	39	38	31	36	29	37	36	29	28	32	31	29	34
51875	NCA10	RES	767	6 WOODHALL PLACE	767	40	33	39	30	40	39	32	37	30	37	36	30	28	32	31	29	34
51891	NCA10	RES	768	7 WOODHALL PLACE	768	40	34	39	30	42	41	34	39	33	40	39	33	32	36	34	32	37
51912	NCA10	RES	769	7 WOODHALL PLACE	769	40	34	39	30	43	42	35	40	33	40	39	32	31	35	34	32	37
51917	NCA10	RES	770	9 WOODHALL PLACE	770	40	31	36	27	40	39	32	37	31	40	39	33	31	35	34	32	37
51924	NCA10	RES	771	9 WOODHALL PLACE	771	40	34	39	30	42	41	34	39	32	40	39	33	32	36	34	32	37
51940	NCA10	RES	772	9 WOODHALL PLACE	772	40	33	39	30	40	39	32	37	31	38	37	30	29	33	32	30	35

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No.	NCA	Usage	rec	Address	Unique ID	NML	Leq dB(A)												
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 6	Activity 7	Activity 8	Activity 11	Activity 12	Activity 13	Activity 14	Activity 15	Activity 16
41142	NCA9	RES	1		5106	44	33	38	29	32	24	29	22	29	28	32	31	29	34
41148	NCA9	RES	15		5120	44	33	38	29	34	26	31	24	30	29	33	31	30	34
41154	NCA9	RES	19		5124	44	32	38	29	34	26	31	24	30	29	33	31	29	34
41165	NCA9	RES	20		5125	44	32	37	28	31	23	28	21	31	30	34	33	31	36
41174	NCA9	RES	23		5128	44	33	38	29	32	23	28	22	30	29	33	31	29	34
41181	NCA9	RES	31		5136	44	33	38	29	33	25	30	23	30	29	33	32	30	35
41187	NCA9	RES	34		5139	44	32	38	29	31	23	28	22	30	29	33	31	30	34
41204	NCA9	RES	39		5144	44	35	40	31	34	26	31	24	32	31	35	33	32	36
41220	NCA9	RES	43		5148	44	32	37	28	31	23	28	21	30	29	33	31	29	34
41223	NCA9	RES	47		5152	44	33	38	29	31	25	30	23	30	29	33	31	29	34
41229	NCA9	RES	57		5162	44	33	38	29	34	26	31	24	32	31	35	34	32	37
41234	NCA9	RES	58		5163	44	32	38	29	32	24	29	22	29	28	32	30	29	33
41244	NCA9	RES	63		5168	44	33	38	29	32	24	29	22	32	31	35	33	32	36
41251	NCA9	RES	65		5170	44	28	33	24	25	17	22	16	31	30	34	32	30	35
41255	NCA9	RES	66		5171	44	34	40	31	31	23	28	21	31	30	34	32	30	35
41259	NCA9	RES	105	117-199 LUDDENHAM ROAD	5210	44	30	36	27	27	19	24	17	35	34	38	36	34	39
41265	NCA9	RES	106	117-199 LUDDENHAM ROAD	5211	44	31	36	27	27	19	24	18	39	38	42	40	39	43
41276	NCA9	RES	107	117-199 LUDDENHAM ROAD	5212	44	31	36	27	27	19	24	17	38	37	41	39	37	42
41280	NCA9	RES	108	117-199 LUDDENHAM ROAD	5213	44	32	38	29	28	20	25	19	39	38	42	41	39	44
41295	NCA9	RES	109	117-199 LUDDENHAM ROAD	5214	44	31	37	28	27	19	24	18	39	38	42	40	39	43
41300	NCA9	RES	113	117-199 LUDDENHAM ROAD	5218	44	31	37	28	27	19	24	18	38	37	41	39	37	42
41306	NCA9	RES	116	117-199 LUDDENHAM ROAD	5221	44	32	37	28	30	22	27	20	40	39	43	41	39	44
41311	NCA9	RES	118	117-199 LUDDENHAM ROAD	5223	44	31	36	28	27	19	24	17	37	36	40	39	38	42
41315	NCA9	RES	119	117-199 LUDDENHAM ROAD	5224	44	34	39	30	30	22	27	20	42	41	45	43	41	46
41321	NCA9	RES	126	117-199 LUDDENHAM ROAD	5231	44	31	36	27	24	16	21	14	39	37	41	40	38	43
41326	NCA9	RES	128	182-200 LUDDENHAM ROAD	5233	44	33	38	29	30	21	26	20	35	34	38	36	35	39
41333	NCA9	RES	129	182-200 LUDDENHAM ROAD	5234	44	33	38	29	29	21	26	20	35	34	38	37	35	40
41339	NCA9	RES	132	202-210 LUDDENHAM ROAD	5237	44	33	39	30	30	22	27	21	35	34	38	36	35	39
41346	NCA9	RES	133	202-210 LUDDENHAM ROAD	5238	44	29	34	25	33	25	30	23	37	36	40	38	37	41
41351	NCA9	RES	134	202-210 LUDDENHAM ROAD	5239	44	36	41	32	31	24	29	22	35	34	38	36	34	39
41364	NCA9	RES	135	212-214 LUDDENHAM ROAD	5240	44	32	38	29	30	22	27	21	35	34	38	36	34	39
41380	NCA9	RES	137	212-214 LUDDENHAM ROAD	5242	44	36	41	32	33	25	30	24	37	36	40	38	37	41
41404	NCA9	RES	139	212-214 LUDDENHAM ROAD	5244	44	32	38	29	31	23	28	21	37	36	40	39	37	42
41412	NCA9	RES	140	212-214 LUDDENHAM ROAD	5245	44	29	35	26	25	17	22	16	35	33	37	36	34	39
41417	NCA9	RES	142	216 LUDDENHAM ROAD	5247	44	33	39	30	31	23	28	21	34	33	37	35	34	38
41426	NCA9	RES	144	216 LUDDENHAM ROAD	5249	44	34	39	30	31	23	28	21	35	34	38	36	34	39
41437	NCA9	RES	146	216 LUDDENHAM ROAD	5251	44	31	36	27	29	22	27	20	37	36	40	38	37	41
41442	NCA9	RES	173	221-227 LUDDENHAM ROAD	5278	44	35	40	31	30	22	27	21	37	36	40	38	36	41
41445	NCA9	RES	174	221-227 LUDDENHAM ROAD	5279	44	35	40	31	34	26	31	24	35	34	38	36	35	39
41454	NCA9	RES	203	221-227 LUDDENHAM ROAD	5308	44	38	43	34	35	27	32	25	37	36	40	38	36	41
41459	NCA9	RES	209	221-227 LUDDENHAM ROAD	5314	44	35	40	32	32	24	29	22	37	36	40	38	36	41
41466	NCA9	RES	224	222-224 LUDDENHAM ROAD	5329	44	34	39	30	31	23	28	21	34	33	37	35	34	38
41478	NCA9	RES	228	222B LUDDENHAM ROAD	5333	44	34	39	30	32	25	30	23	37	36	40	38	37	41
41486	NCA9	RES	229	226-228 LUDDENHAM ROAD	5334	44	34	39	30	26	22	27	21	33	32	36	35	33	38
41496	NCA9	RES	230	226-228 LUDDENHAM ROAD	5335	44	34	40	31	31	23	28	22	34	33	37	36	34	39
41501	NCA9	RES	232	226-228 LUDDENHAM ROAD	5337	44	33	38	29	31	23	28	21	34	33	37	35	34	38
41506	NCA9	RES	234	229-231 LUDDENHAM ROAD	5339	44	38	44	35	35	27	32	26	39	38	42	40	38	43
41521	NCA9	RES	243	230-234 LUDDENHAM ROAD	5348	44	37	42	33	34	26	31	25	37	35	39	38	36	41
41529	NCA9	RES	244	230-234 LUDDENHAM ROAD	5349	44	34	39	30	31	23	28	22	33	32	36	35	33	38
41536	NCA9	RES	246	233-249 LUDDENHAM ROAD	5351	44	36	41	32	33	25	30	23	38	37	41	39	37	42
41550	NCA9	RES	252	236-238 LUDDENHAM ROAD	5357	44	37	42	33	34	26	31	25	34	33	37	35	34	38

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41559	NCA9	RES	255	236-238 LUDDENHAM ROAD	5360	44	34	40	31	31	23	28	22	34	33	37	35	33	38
41564	NCA9	RES	256	240-244 LUDDENHAM ROAD	5361	44	21	26	17	22	14	19	12	33	32	36	35	33	38
41569	NCA9	RES	259	240-244 LUDDENHAM ROAD	5364	44	31	37	28	27	20	25	18	35	34	38	36	34	39
41585	NCA9	RES	261	240-244 LUDDENHAM ROAD	5366	44	37	42	34	35	27	32	25	37	35	39	38	36	41
41591	NCA9	RES	263	246-248 LUDDENHAM ROAD	5368	44	34	39	30	32	24	29	22	33	32	36	34	32	37
41608	NCA9	RES	264	246-248 LUDDENHAM ROAD	5369	44	35	40	31	32	24	29	23	34	33	37	35	33	38
41615	NCA9	RES	267	246-248 LUDDENHAM ROAD	5372	44	29	34	25	28	20	25	19	34	33	37	35	33	38
41621	NCA9	RES	268	250-254 LUDDENHAM ROAD	5373	44	33	39	30	32	24	29	22	32	31	35	33	32	36
41624	NCA9	RES	269	250-254 LUDDENHAM ROAD	5374	44	34	39	31	32	24	29	23	33	32	36	34	32	37
41633	NCA9	RES	270	250-254 LUDDENHAM ROAD	5375	44	37	42	33	32	24	29	23	35	34	38	36	35	39
41647	NCA9	RES	272	250-254 LUDDENHAM ROAD	5377	44	35	40	31	33	25	30	23	34	33	37	35	33	38
41658	NCA9	RES	274	250-254 LUDDENHAM ROAD	5379	44	34	40	31	35	27	32	25	33	32	36	34	32	37
41662	NCA9	RES	276	251-261 LUDDENHAM ROAD	5381	44	38	44	35	36	28	33	26	36	35	39	37	35	40
41667	NCA9	RES	280	251-261 LUDDENHAM ROAD	5385	44	36	42	33	34	25	30	24	35	34	38	36	35	39
41678	NCA9	RES	281	256 LUDDENHAM ROAD	5386	44	35	40	31	33	25	30	23	36	35	39	37	35	40
41695	NCA9	RES	282	256 LUDDENHAM ROAD	5387	44	34	40	31	33	24	29	23	35	34	38	36	34	39
41702	NCA9	RES	283	262-266 LUDDENHAM ROAD	5388	44	35	40	31	33	25	30	24	33	32	36	34	32	37
41707	NCA9	RES	284	262-266 LUDDENHAM ROAD	5389	44	35	40	31	33	25	30	23	33	31	35	34	32	37
41712	NCA9	RES	285	262-266 LUDDENHAM ROAD	5390	44	35	41	32	33	25	30	24	33	32	36	34	33	37
41718	NCA9	RES	289	262-266 LUDDENHAM ROAD	5394	44	35	41	32	33	25	30	23	33	32	36	35	33	38
41727	NCA9	RES	290	263-273 LUDDENHAM ROAD	5395	44	36	41	32	34	26	31	25	37	36	40	38	36	41
41730	NCA9	RES	292	268-288 LUDDENHAM ROAD	5397	44	36	41	32	34	26	31	25	33	32	36	34	33	37
41735	NCA9	RES	293	275-285 LUDDENHAM ROAD	5398	44	37	43	34	35	27	32	25	36	35	39	37	35	40
41740	NCA9	RES	297	275-285 LUDDENHAM ROAD	5402	44	35	41	32	33	26	31	24	36	35	39	37	35	40
41753	NCA9	RES	298	275-285 LUDDENHAM ROAD	5403	44	39	44	35	34	27	32	25	35	34	38	36	34	39
41761	NCA9	RES	299	275A LUDDENHAM ROAD	5404	44	37	43	34	35	27	32	25	36	35	39	37	35	40
41777	NCA9	RES	302	275A LUDDENHAM ROAD	5407	44	38	43	34	37	29	34	27	37	36	40	38	36	41
41794	NCA9	RES	303	287 LUDDENHAM ROAD	5408	44	37	43	34	36	27	32	26	37	36	40	38	37	41
41798	NCA9	RES	305	287 LUDDENHAM ROAD	5410	44	37	43	34	38	30	35	28	35	34	38	36	34	39
41818	NCA9	RES	307	289-317 LUDDENHAM ROAD	5412	44	39	44	35	36	28	33	27	37	36	40	38	36	41
41830	NCA9	RES	308	289-317 LUDDENHAM ROAD	5413	44	41	46	37	36	28	33	27	36	35	39	37	35	40
41841	NCA9	RES	309	31-39 LUDDENHAM ROAD	5414	44	24	30	21	21	14	19	12	27	26	30	28	27	31
41846	NCA9	RES	312	319-325 LUDDENHAM ROAD	5417	44	43	48	39	39	30	35	29	39	38	42	40	38	43
41851	NCA9	RES	313	319-325 LUDDENHAM ROAD	5418	44	39	45	36	38	30	35	28	37	36	40	38	36	41
41861	NCA9	RES	314	319-325 LUDDENHAM ROAD	5419	44	43	48	39	41	33	38	31	38	37	41	39	37	42
41867	NCA9	RES	315	319-325 LUDDENHAM ROAD	5420	44	41	46	37	40	33	38	31	38	37	41	39	37	42
41875	NCA9	RES	317	319-325 LUDDENHAM ROAD	5422	44	39	44	35	38	30	35	28	36	35	39	38	36	41
41887	NCA9	RES	319	320-326 LUDDENHAM ROAD	5424	44	38	43	34	38	29	34	28	33	32	36	34	33	37
40923	NCA9	RES	321	327-329 LUDDENHAM ROAD	5426	44	55	60	51	41	34	39	32	55	54	58	57	55	60
41903	NCA9	RES	322	43A LUDDENHAM ROAD	5427	44	28	33	25	26	18	23	16	32	31	35	33	32	36
41910	NCA9	RES	323	43A LUDDENHAM ROAD	5428	44	29	34	25	25	17	22	15	35	34	38	36	35	39
41913	NCA9	RES	325	43A LUDDENHAM ROAD	5430	44	29	34	25	25	17	22	16	36	35	39	38	36	41
41923	NCA9	RES	328	43A LUDDENHAM ROAD	5433	44	32	37	28	28	20	25	18	39	38	42	40	38	43
41932	NCA9	RES	331	43A LUDDENHAM ROAD	5436	44	29	34	25	25	17	22	16	37	35	39	38	36	41
41940	NCA9	RES	343	573-577 MAMRE ROAD	5448	44	30	35	26	29	21	26	19	27	26	30	28	27	31
41951	NCA9	RES	344	573-577 MAMRE ROAD	5449	44	27	33	24	27	19	24	17	25	24	28	26	24	29
41960	NCA9	RES	346	43466 MANDALONG CLOSE	5451	44	27	32	23	25	17	22	16	28	26	30	29	27	32
41980	NCA9	RES	348	21A MANDALONG CLOSE	5453	44	29	35	26	28	20	25	19	28	26	30	29	27	32
42000	NCA9	RES	349	21A MANDALONG CLOSE	5454	44	27	32	23	26	18	23	17	25	24	28	26	25	29
42005	NCA9	RES	351	25-31 MANDALONG CLOSE	5456	44	27	32	24	26	18	23	16	26	25	29	27	26	30
42013	NCA9	RES	353	25-31 MANDALONG CLOSE	5458	44	27	32	24	26	18	23	16	26	25	29	27	26	30

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42037	NCA9	RES	354	25-31 MANDALONG CLOSE	5459	44	30	35	26	28	20	25	19	29	27	31	30	28	33
42047	NCA9	RES	355	33-41 MANDALONG CLOSE	5460	44	27	33	24	26	18	23	16	26	25	29	28	26	31
42061	NCA9	RES	356	33-41 MANDALONG CLOSE	5461	44	30	35	26	28	20	25	19	28	27	31	29	28	32
42079	NCA9	RES	357	33-41 MANDALONG CLOSE	5462	44	28	33	24	26	18	23	17	27	26	30	28	27	31
42089	NCA9	RES	360	43-51 MANDALONG CLOSE	5465	44	28	33	25	27	19	24	17	28	26	30	29	27	32
42092	NCA9	RES	361	43-51 MANDALONG CLOSE	5466	44	21	26	17	19	11	16	10	28	27	31	29	27	32
42096	NCA9	RES	362	43-51 MANDALONG CLOSE	5467	44	28	33	24	26	18	23	17	27	26	30	28	27	31
42108	NCA9	RES	363	43-51 MANDALONG CLOSE	5468	44	30	36	27	29	21	26	19	28	27	31	30	28	33
42137	NCA9	RES	364	53-63 MANDALONG CLOSE	5469	44	28	34	25	27	19	24	17	28	27	31	29	27	32
42140	NCA9	RES	366	53-63 MANDALONG CLOSE	5471	44	25	30	21	26	18	23	17	26	25	29	27	26	30
42161	NCA9	RES	367	53-63 MANDALONG CLOSE	5472	44	31	36	27	29	21	26	20	30	29	33	31	30	34
42181	NCA9	RES	368	53-63 MANDALONG CLOSE	5473	44	31	36	27	29	21	26	20	30	29	33	32	30	35
42193	NCA9	RES	370	65-73 MANDALONG CLOSE	5475	44	29	34	26	28	20	25	18	28	27	31	30	28	33
42205	NCA9	RES	373	65-73 MANDALONG CLOSE	5478	44	29	35	26	30	22	27	20	31	30	34	32	31	35
42220	NCA9	RES	374	65-73 MANDALONG CLOSE	5479	44	30	35	26	28	20	25	18	29	28	32	30	28	33
42236	NCA9	RES	375	65-73 MANDALONG CLOSE	5480	44	30	35	26	30	22	27	21	29	28	32	30	28	33
42250	NCA9	RES	376	75-77 MANDALONG CLOSE	5481	44	32	37	28	31	23	28	21	32	31	35	33	31	36
42265	NCA9	RES	377	79-81 MANDALONG CLOSE	5482	44	30	35	26	28	20	25	18	31	30	34	32	30	35
42281	NCA9	RES	380	79-81 MANDALONG CLOSE	5485	44	32	38	29	30	22	27	21	33	32	36	34	32	37
42287	NCA9	RES	381	79-81 MANDALONG CLOSE	5486	44	32	38	29	30	22	27	21	30	29	33	31	30	34
42296	NCA9	RES	382	79-81 MANDALONG CLOSE	5487	44	30	36	27	28	20	25	18	30	29	33	32	30	35
42300	NCA9	RES	384	79-81 MANDALONG CLOSE	5489	44	30	35	26	28	20	25	18	30	29	33	31	29	34
42318	NCA9	RES	385	79-81 MANDALONG CLOSE	5490	44	29	35	26	27	19	24	18	30	28	32	31	29	34
42326	NCA9	RES	386	79-81 MANDALONG CLOSE	5491	44	30	35	26	28	20	25	18	31	30	34	32	30	35
42331	NCA9	RES	387	79-81 MANDALONG CLOSE	5492	44	30	35	26	28	20	25	18	30	29	33	31	29	34
42347	NCA9	RES	392	83-91 MANDALONG CLOSE	5497	44	29	34	26	27	19	24	18	30	29	33	32	30	35
42367	NCA9	RES	393	83-91 MANDALONG CLOSE	5498	44	31	37	28	29	21	26	20	29	28	32	31	29	34
42386	NCA9	RES	396	83-91 MANDALONG CLOSE	5501	44	29	34	25	27	19	24	17	29	28	32	30	29	33
42390	NCA9	RES	398	83-91 MANDALONG CLOSE	5503	44	29	34	25	14	7	12	5	32	31	35	33	31	36
42396	NCA9	RES	755	2042-2550 THE NORTHERN ROAD	6271	44	30	36	27	26	19	24	17	26	25	29	27	25	30
42412	NCA9	RES	756	2042-2550 THE NORTHERN ROAD	6272	44	31	36	27	27	20	25	18	25	24	28	27	25	30
42415	NCA9	RES	761	2042-2550 THE NORTHERN ROAD	6277	44	30	36	27	26	19	24	18	25	24	28	26	24	29
42428	NCA9	RES	762	2042-2550 THE NORTHERN ROAD	6278	44	30	35	26	26	19	24	17	24	23	27	25	24	28
42429	NCA9	RES	763	2042-2550 THE NORTHERN ROAD	6279	44	31	36	28	27	20	25	18	26	25	29	27	25	30
42443	NCA9	RES	766	2042-2550 THE NORTHERN ROAD	6282	44	30	36	27	26	19	24	17	25	24	28	26	24	29
42447	NCA9	RES	767	2042-2550 THE NORTHERN ROAD	6283	44	30	36	27	26	19	24	17	25	24	28	26	25	29
42460	NCA9	RES	769	2042-2550 THE NORTHERN ROAD	6285	44	30	36	27	26	20	25	19	25	24	28	26	24	29
42476	NCA9	RES	772	2042-2550 THE NORTHERN ROAD	6288	44	32	37	28	27	22	27	20	27	26	30	28	26	31
42496	NCA9	RES	774	2042-2550 THE NORTHERN ROAD	6290	44	29	34	25	25	18	23	16	23	22	26	24	23	27
44920	NCA10	RES	16	1669A ELIZABETH DRIVE	16	35	21	27	18	26	18	23	17	24	23	27	25	23	28
44935	NCA10	RES	26	1669A ELIZABETH DRIVE	26	35	24	29	20	28	20	25	19	24	23	27	25	23	28
44940	NCA10	RES	52	1783-1789 ELIZABETH DRIVE	52	35	19	24	15	23	15	20	14	22	21	25	23	22	27
44950	NCA10	RES	81	1953-2109 ELIZABETH DRIVE	81	35	22	27	18	25	18	23	16	26	25	29	27	26	30
44958	NCA10	RES	82	1953-2109 ELIZABETH DRIVE	82	35	21	27	18	26	19	24	17	26	25	29	28	26	31
44966	NCA10	RES	88	1953-2109 ELIZABETH DRIVE	88	35	25	30	21	29	22	27	20	30	29	33	31	30	34
44980	NCA10	RES	97	707A MAMRE ROAD	97	35	32	38	29	34	26	31	24	28	27	31	29	27	32
44996	NCA10	RES	99	707A MAMRE ROAD	99	35	33	38	29	34	26	31	25	27	26	30	28	27	31
45026	NCA10	RES	104	3 BRIDPORT PLACE	104	35	30	35	27	36	29	34	27	38	36	40	38	37	42
45028	NCA10	RES	105	4 BRIDPORT PLACE	105	35	34	39	30	40	32	37	31	38	37	41	39	38	43
45035	NCA10	RES	106	4 BRIDPORT PLACE	106	35	31	37	28	40	32	37	31	38	37	41	39	38	42
45070	NCA10	RES	107	10 COMARGO LANE	107	35	42	47	38	42	33	38	32	36	35	39	37	36	40

Predicted Evening construction noise																			
No.	NCA	Usage	rec	Address	Unique ID	NML	Leq dB(A)												
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 6	Activity 7	Activity 8	Activity 11	Activity 12	Activity 13	Activity 14	Activity 15	Activity 16
45085	NCA10	RES	108	2 COMARGO LANE	108	35	38	43	34	40	32	37	30	32	31	35	34	32	37
45101	NCA10	RES	109	2 COMARGO LANE	109	35	41	46	37	43	35	40	33	36	35	39	37	35	40
45125	NCA10	RES	111	4 COMARGO LANE	111	35	41	46	37	41	32	37	31	36	35	39	37	35	40
45138	NCA10	RES	112	6 COMARGO LANE	112	35	39	44	35	44	35	40	33	34	33	37	35	33	38
45151	NCA10	RES	113	8 COMARGO LANE	113	35	39	44	35	41	32	37	31	34	33	37	35	33	38
45165	NCA10	RES	114	2 CRYSTAL DOWNS CLOSE	114	35	36	41	32	42	33	38	32	30	29	33	31	29	34
45179	NCA10	RES	115	3 CRYSTAL DOWNS CLOSE	115	35	36	41	32	41	33	38	32	32	31	35	33	32	36
45206	NCA10	RES	116	4 CRYSTAL DOWNS CLOSE	116	35	36	41	32	43	33	38	31	34	33	37	35	33	38
45215	NCA10	RES	118	5 CRYSTAL DOWNS CLOSE	118	35	35	41	32	43	35	40	34	32	31	35	33	31	36
45238	NCA10	RES	119	6 CRYSTAL DOWNS CLOSE	119	35	38	43	34	44	35	40	34	32	31	35	34	32	37
45264	NCA10	RES	120	7 CRYSTAL DOWNS CLOSE	120	35	38	43	34	43	35	40	33	33	31	35	34	32	37
45275	NCA10	RES	121	8 CRYSTAL DOWNS CLOSE	121	35	36	41	32	43	35	40	33	31	30	34	33	31	36
45288	NCA10	RES	122	10 DORAL GROVE	122	35	38	43	35	45	36	41	35	33	32	36	34	33	37
45306	NCA10	RES	125	11 DORAL GROVE	125	35	37	42	33	42	34	39	32	31	30	34	33	31	36
45312	NCA10	RES	126	3 DORAL GROVE	126	35	38	43	34	45	37	42	35	33	32	36	34	32	37
45335	NCA10	RES	127	4 DORAL GROVE	127	35	36	41	32	45	37	42	35	33	32	36	34	32	37
45354	NCA10	RES	128	5 DORAL GROVE	128	35	38	44	35	45	37	42	35	34	33	37	35	34	38
45365	NCA10	RES	129	6 DORAL GROVE	129	35	36	42	33	43	35	40	33	32	31	35	33	32	36
45385	NCA10	RES	131	7 DORAL GROVE	131	35	36	42	33	43	35	40	33	32	31	35	33	32	36
45405	NCA10	RES	132	8 DORAL GROVE	132	35	36	41	32	43	34	39	33	32	31	35	33	31	36
45419	NCA10	RES	133	9 DORAL GROVE	133	35	37	42	33	43	36	41	34	34	32	36	35	33	38
45443	NCA10	RES	137	2111-2141 ELIZABETH DRIVE	137	35	22	27	18	25	18	23	16	25	24	28	26	24	29
45460	NCA10	RES	146	10 FARMINGDALE COURT	146	35	30	35	26	36	28	33	27	34	33	37	35	34	38
45480	NCA10	RES	148	11 FARMINGDALE COURT	148	35	28	34	25	34	27	32	25	35	34	38	36	34	39
45506	NCA10	RES	149	12 FARMINGDALE COURT	149	35	33	38	29	39	31	36	29	38	37	41	39	37	42
45538	NCA10	RES	150	14 FARMINGDALE COURT	150	35	34	39	30	40	32	37	31	40	39	43	39	39	44
45563	NCA10	RES	151	14 FARMINGDALE COURT	151	35	30	35	27	36	29	34	27	38	37	41	39	38	42
45591	NCA10	RES	152	16 FARMINGDALE COURT	152	35	29	34	25	37	30	35	28	37	36	40	38	36	41
45599	NCA10	RES	153	17 FARMINGDALE COURT	153	35	32	37	28	37	30	35	28	35	34	38	36	34	39
45618	NCA10	RES	154	17 FARMINGDALE COURT	154	35	24	29	20	34	26	31	25	34	32	36	34	33	38
45622	NCA10	RES	155	18 FARMINGDALE COURT	155	35	30	35	26	35	28	33	26	35	34	38	36	34	39
45635	NCA10	RES	156	18 FARMINGDALE COURT	156	35	32	38	29	38	30	35	29	37	36	40	38	37	42
45645	NCA10	RES	157	2 FARMINGDALE COURT	157	35	33	38	29	38	31	36	29	37	35	39	37	36	41
45667	NCA10	RES	159	22 FARMINGDALE COURT	159	35	32	37	28	37	30	35	28	37	35	39	37	36	41
45710	NCA10	RES	160	5 FARMINGDALE COURT	160	35	32	37	28	37	30	35	28	36	35	39	37	35	40
45732	NCA10	RES	161	6 FARMINGDALE COURT	161	35	32	38	29	38	30	35	29	36	34	38	37	35	40
45747	NCA10	RES	162	6 FARMINGDALE COURT	162	35	25	30	21	36	28	33	27	36	35	39	34	35	40
45769	NCA10	RES	163	7 FARMINGDALE COURT	163	35	32	37	28	37	30	35	28	35	34	38	36	35	40
45789	NCA10	RES	165	7 FARMINGDALE COURT	165	35	29	35	26	35	27	32	26	33	32	36	34	32	37
45794	NCA10	RES	166	8 FARMINGDALE COURT	166	35	32	37	28	38	30	35	29	35	34	38	35	34	39
45822	NCA10	RES	167	9 FARMINGDALE COURT	167	35	29	34	26	35	27	32	25	33	31	35	33	32	37
45845	NCA10	RES	169	10 GANTON WAY	169	35	31	36	27	38	29	34	27	34	33	37	35	33	38
45880	NCA10	RES	170	12 GANTON WAY	170	35	33	38	29	39	31	36	30	34	33	37	35	34	38
45898	NCA10	RES	171	16 GANTON WAY	171	35	32	38	29	38	30	35	29	34	33	37	35	34	38
45938	NCA10	RES	172	18 GANTON WAY	172	35	32	38	29	38	30	35	29	35	33	37	35	34	39
45970	NCA10	RES	174	2 GANTON WAY	174	35	33	39	30	39	31	36	30	31	30	34	32	30	35
45989	NCA10	RES	176	4 GANTON WAY	176	35	33	38	30	39	31	36	30	32	31	35	33	32	36
46002	NCA10	RES	177	6 GANTON WAY	177	35	33	39	30	39	32	37	30	34	33	37	35	33	38
46030	NCA10	RES	178	6 GANTON WAY	178	35	31	36	27	39	32	37	30	34	33	37	35	33	38
46039	NCA10	RES	179	8 GANTON WAY	179	35	31	36	27	36	29	34	27	34	33	37	35	33	38
46052	NCA10	RES	180	10 HALMSTAD BOULEVARD	180	35	32	37	28	39	32	37	30	34	33	37	35	33	38

Predicted Evening construction noise																			
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46065	NCA10	RES	181	10 HALMSTAD BOULEVARD	181	35	35	40	32	42	34	39	33	34	33	37	35	34	38
46076	NCA10	RES	182	10 HALMSTAD BOULEVARD	182	35	33	38	29	40	32	37	30	33	32	36	34	33	37
46082	NCA10	RES	184	11 HALMSTAD BOULEVARD	184	35	36	41	33	43	36	41	34	37	36	40	38	37	41
46105	NCA10	RES	185	11 HALMSTAD BOULEVARD	185	35	34	39	30	41	33	38	32	35	34	38	36	35	39
46111	NCA10	RES	186	12 HALMSTAD BOULEVARD	186	35	33	38	29	41	33	38	32	34	33	37	35	33	38
46125	NCA10	RES	187	12 HALMSTAD BOULEVARD	187	35	35	40	31	42	34	39	32	37	36	40	38	36	41
46136	NCA10	RES	188	13 HALMSTAD BOULEVARD	188	35	36	41	32	43	35	40	34	36	35	39	37	36	40
46141	NCA10	RES	189	13 HALMSTAD BOULEVARD	189	35	36	41	32	43	35	40	34	36	35	39	37	35	40
46158	NCA10	RES	190	14 HALMSTAD BOULEVARD	190	35	32	38	29	39	31	36	30	35	34	38	36	34	39
46178	NCA10	RES	191	14 HALMSTAD BOULEVARD	191	35	31	36	27	38	31	36	29	34	33	37	35	34	38
46201	NCA10	RES	192	15 HALMSTAD BOULEVARD	192	35	33	39	30	41	34	39	32	38	36	40	39	37	42
46204	NCA10	RES	193	15 HALMSTAD BOULEVARD	193	35	33	38	30	40	33	38	31	35	34	38	37	35	40
46214	NCA10	RES	194	17 HALMSTAD BOULEVARD	194	35	33	38	29	42	34	39	33	38	37	41	39	37	42
46236	NCA10	RES	195	19 HALMSTAD BOULEVARD	195	35	33	38	29	39	32	37	30	38	37	41	39	37	42
46252	NCA10	RES	196	19 HALMSTAD BOULEVARD	196	35	33	38	29	39	32	37	30	36	35	39	37	35	40
46255	NCA10	RES	197	20 HALMSTAD BOULEVARD	197	35	32	37	28	38	30	35	29	37	36	40	38	37	41
46260	NCA10	RES	198	20 HALMSTAD BOULEVARD	198	35	32	37	28	38	30	35	29	34	33	37	35	34	38
46272	NCA10	RES	199	20 HALMSTAD BOULEVARD	199	35	34	39	31	40	33	38	31	37	36	40	38	37	42
46296	NCA10	RES	200	22 HALMSTAD BOULEVARD	200	35	31	36	28	40	30	35	28	35	34	38	36	34	39
46323	NCA10	RES	201	23 HALMSTAD BOULEVARD	201	35	35	40	31	41	35	40	33	38	37	41	39	38	42
46329	NCA10	RES	203	24 HALMSTAD BOULEVARD	203	35	31	36	27	37	29	34	28	33	32	36	34	32	37
46354	NCA10	RES	204	24 HALMSTAD BOULEVARD	204	35	32	38	29	40	33	38	31	37	36	40	38	36	41
46355	NCA10	RES	205	25 HALMSTAD BOULEVARD	205	35	32	37	28	38	31	36	29	36	35	39	37	35	40
46375	NCA10	RES	206	25 HALMSTAD BOULEVARD	206	35	33	38	30	41	33	38	32	38	37	41	39	37	42
46393	NCA10	RES	207	26 HALMSTAD BOULEVARD	207	35	31	36	27	37	29	34	27	34	32	36	35	33	38
46401	NCA10	RES	208	26 HALMSTAD BOULEVARD	208	35	29	35	26	39	31	36	30	36	35	39	37	35	40
46420	NCA10	RES	209	27 HALMSTAD BOULEVARD	209	35	32	37	28	40	33	38	31	37	36	40	39	37	42
46429	NCA10	RES	211	28 HALMSTAD BOULEVARD	211	35	32	37	28	38	30	35	29	36	35	39	37	36	40
46447	NCA10	RES	212	28 HALMSTAD BOULEVARD	212	35	31	36	27	36	29	34	27	32	31	35	33	32	36
46454	NCA10	RES	213	3 HALMSTAD BOULEVARD	213	35	37	42	33	44	36	41	35	37	36	40	38	37	41
46475	NCA10	RES	214	39 HALMSTAD BOULEVARD	214	35	32	38	29	38	30	35	29	35	34	38	36	34	39
46487	NCA10	RES	215	4 HALMSTAD BOULEVARD	215	35	36	41	32	44	36	41	34	36	35	39	37	36	40
46521	NCA10	RES	216	4 HALMSTAD BOULEVARD	216	35	36	41	32	43	35	40	33	33	32	36	34	32	37
46529	NCA10	RES	218	5 HALMSTAD BOULEVARD	218	35	34	40	31	44	36	41	35	37	36	40	38	36	41
46553	NCA10	RES	219	7 HALMSTAD BOULEVARD	219	35	37	42	33	44	36	41	35	36	34	38	37	35	40
46572	NCA10	RES	220	8 HALMSTAD BOULEVARD	220	35	36	41	32	43	35	40	33	36	35	39	37	36	40
46579	NCA10	RES	221	8 HALMSTAD BOULEVARD	221	35	36	41	32	42	34	39	33	36	35	39	37	35	40
46586	NCA10	RES	222	8 HALMSTAD BOULEVARD	222	35	33	38	30	40	32	37	31	36	35	39	37	35	40
46614	NCA10	RES	223	1 HUMEWOOD PLACE	223	35	34	40	31	40	33	38	31	34	33	37	35	34	38
46616	NCA10	RES	224	10 HUMEWOOD PLACE	224	35	31	36	27	39	31	36	30	34	33	37	35	33	38
46626	NCA10	RES	225	10 HUMEWOOD PLACE	225	35	34	39	30	41	34	39	32	35	34	38	36	35	39
46651	NCA10	RES	228	11 HUMEWOOD PLACE	228	35	34	39	30	40	32	37	31	35	34	38	37	35	40
46666	NCA10	RES	229	11 HUMEWOOD PLACE	229	35	31	36	27	37	29	34	28	32	31	35	33	32	36
46670	NCA10	RES	230	12 HUMEWOOD PLACE	230	35	34	39	31	41	33	38	32	36	35	39	37	36	40
46692	NCA10	RES	231	14 HUMEWOOD PLACE	231	35	34	40	31	40	33	38	31	34	33	37	35	33	38
46716	NCA10	RES	232	15 HUMEWOOD PLACE	232	35	31	36	27	38	30	35	29	35	34	38	36	35	39
46736	NCA10	RES	233	2 HUMEWOOD PLACE	233	35	30	35	27	38	31	36	29	34	33	37	35	34	38
46743	NCA10	RES	234	2 HUMEWOOD PLACE	234	35	31	36	27	40	32	37	31	32	31	35	33	31	36
46751	NCA10	RES	235	2 HUMEWOOD PLACE	235	35	32	38	29	39	31	36	30	33	32	36	34	32	37
46778	NCA10	RES	236	2 HUMEWOOD PLACE	236	35	30	35	26	38	30	35	29	32	31	35	33	31	36
46784	NCA10	RES	237	22 HUMEWOOD PLACE	237	35	31	36	27	37	29	34	28	33	32	36	34	33	37

Predicted Evening construction noise																			
No.	NCA	Usage	rec	Address	Unique ID	NML	Leq dB(A)												
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46801	NCA10	RES	239	22 HUMEWOOD PLACE	239	35	31	36	27	39	32	37	30	35	33	37	35	34	39
46829	NCA10	RES	240	24 HUMEWOOD PLACE	240	35	33	38	29	39	31	36	30	33	32	36	34	33	37
46832	NCA10	RES	241	24 HUMEWOOD PLACE	241	35	30	36	27	36	29	34	27	33	32	36	34	32	37
46835	NCA10	RES	242	3 HUMEWOOD PLACE	242	35	31	37	28	38	30	35	28	31	29	33	32	30	35
46852	NCA10	RES	243	3 HUMEWOOD PLACE	243	35	34	39	31	40	30	35	29	32	31	35	33	32	36
46879	NCA10	RES	244	4 HUMEWOOD PLACE	244	35	32	38	29	39	31	36	29	33	32	36	34	32	37
46883	NCA10	RES	246	5 HUMEWOOD PLACE	246	35	26	31	22	38	30	35	29	34	23	33	37	35	38
46892	NCA10	RES	247	5 HUMEWOOD PLACE	247	35	32	37	28	38	30	35	29	35	34	38	36	34	39
46905	NCA10	RES	249	5 HUMEWOOD PLACE	249	35	31	36	27	37	30	35	28	34	33	37	36	34	38
46926	NCA10	RES	250	6 HUMEWOOD PLACE	250	35	35	40	31	41	33	38	32	33	32	36	34	33	37
46940	NCA10	RES	252	7 HUMEWOOD PLACE	252	35	31	37	28	38	30	35	28	32	31	35	33	32	36
46951	NCA10	RES	253	7 HUMEWOOD PLACE	253	35	32	37	28	38	30	35	29	35	34	38	36	34	39
46979	NCA10	RES	254	9 HUMEWOOD PLACE	254	35	34	39	30	40	33	38	31	33	32	36	34	33	37
46986	NCA10	RES	256	9 HUMEWOOD PLACE	256	35	33	39	30	40	32	37	31	33	32	36	34	32	37
46994	NCA10	RES	258	336-348 LUDDENHAM ROAD	258	35	39	44	35	39	31	36	29	33	32	36	34	32	37
47000	NCA10	RES	265	339-363 LUDDENHAM ROAD	265	35	40	45	36	40	32	37	30	35	34	38	36	34	39
47005	NCA10	RES	275	405-423 LUDDENHAM ROAD	275	35	46	51	42	46	37	42	36	40	39	43	42	40	45
47015	NCA10	RES	279	425-441 LUDDENHAM ROAD	279	35	43	48	39	51	41	46	40	38	37	41	39	38	42
47023	NCA10	RES	288	425A LUDDENHAM ROAD	288	35	46	51	43	54	45	50	43	41	39	43	42	40	45
47046	NCA10	RES	292	443-457 LUDDENHAM ROAD	292	35	51	56	48	57	48	53	46	46	44	48	47	45	50
47060	NCA10	RES	297	581 LUDDENHAM ROAD	297	35	47	53	44	59	60	65	58	46	45	49	47	45	50
47067	NCA10	RES	302	611-639 LUDDENHAM ROAD	302	35	37	42	33	43	35	40	34	48	47	51	49	47	52
47073	NCA10	RES	304	611A LUDDENHAM ROAD	304	35	36	41	32	41	34	39	32	45	44	48	46	44	49
47077	NCA10	RES	308	641-675 LUDDENHAM ROAD	308	35	33	38	29	36	29	34	28	37	36	40	38	37	41
47101	NCA10	RES	311	644-652 LUDDENHAM ROAD	311	35	35	40	32	41	34	39	32	50	49	53	51	50	54
47107	NCA10	RES	314	654-658 LUDDENHAM ROAD	314	35	34	40	31	41	33	38	32	48	46	50	49	47	52
47112	NCA10	RES	319	660-670 LUDDENHAM ROAD	319	35	33	38	30	38	31	36	29	42	41	45	43	41	46
47118	NCA10	RES	321	672-686 LUDDENHAM ROAD	321	35	32	37	28	37	30	35	28	40	39	43	42	40	45
47137	NCA10	RES	324	672-686 LUDDENHAM ROAD	324	35	33	38	29	39	32	37	30	42	41	45	43	42	46
47167	NCA10	RES	329	677-691 LUDDENHAM ROAD	329	35	33	38	29	37	29	34	28	41	40	44	42	40	45
47183	NCA10	RES	334	688-708 LUDDENHAM ROAD	334	35	34	39	31	39	31	36	30	41	40	44	43	41	46
47196	NCA10	RES	335	688-708 LUDDENHAM ROAD	335	35	31	36	27	35	28	33	26	38	36	40	39	37	42
47202	NCA10	RES	336	688-708 LUDDENHAM ROAD	336	35	31	37	28	36	29	34	27	39	38	42	40	39	43
47210	NCA10	RES	337	688-708 LUDDENHAM ROAD	337	35	32	37	28	36	29	34	27	38	37	41	39	37	42
47237	NCA10	RES	342	693-711 LUDDENHAM ROAD	342	35	32	37	29	34	27	32	25	33	32	36	34	33	37
47242	NCA10	RES	345	2179 ELIZABETH DRIVE	345	35	34	39	30	26	18	23	17	25	24	28	26	24	29
47243	NCA10	RES	345	693-711 LUDDENHAM ROAD	5861	35	23	29	20	34	27	32	26	35	33	37	36	34	39
47272	NCA10	RES	349	710-732 LUDDENHAM ROAD	349	35	30	35	26	33	26	31	24	35	34	38	36	34	39
47276	NCA10	RES	350	2179A ELIZABETH DRIVE	5866	35	23	29	20	25	17	22	16	22	21	25	24	22	27
47286	NCA10	RES	351	710-732 LUDDENHAM ROAD	351	35	29	35	26	33	26	31	24	34	33	37	35	33	38
47299	NCA10	RES	352	713-733 LUDDENHAM ROAD	352	35	32	37	28	35	28	33	26	35	34	38	37	35	40
47307	NCA10	RES	354	2207-2223 ELIZABETH DRIVE	5870	35	19	25	16	22	14	19	13	20	19	23	21	20	24
47313	NCA10	RES	355	734 LUDDENHAM ROAD	355	35	30	35	26	35	28	33	26	36	35	39	38	36	41
47315	NCA10	RES	355	2207-2223 ELIZABETH DRIVE	5871	35	20	26	17	22	15	20	13	21	20	24	22	21	25
47343	NCA10	RES	357	2207-2223 ELIZABETH DRIVE	5873	35	19	25	16	22	14	19	13	20	19	23	21	20	24
47350	NCA10	RES	358	2207-2223 ELIZABETH DRIVE	5874	35	20	25	16	22	15	20	13	21	20	24	22	20	25
47356	NCA10	RES	359	734-750 LUDDENHAM ROAD	359	35	31	36	27	34	27	32	26	34	32	36	35	33	38
47371	NCA10	RES	361	2225-2239 ELIZABETH DRIVE	5877	35	22	27	19	24	17	22	15	23	22	26	24	22	27
47390	NCA10	RES	363	2225-2239 ELIZABETH DRIVE	5879	35	22	27	18	24	17	22	15	23	22	26	24	22	27
47400	NCA10	RES	367	752-810 LUDDENHAM ROAD	367	35	27	32	23	32	24	29	23	32	31	35	33	31	36
47405	NCA10	RES	377	752-810 LUDDENHAM ROAD	377	35	29	34	25	32	25	30	23	33	31	35	34	32	37

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47413	NCA10	RES	379	2510-2550 ELIZABETH DRIVE	5895	35	19	24	15	21	13	18	12	20	19	23	21	19	24			
47447	NCA10	RES	384	812-844 LUDDENHAM ROAD	384	35	26	31	22	29	22	27	20	29	28	32	30	29	33			
47454	NCA10	RES	385	812-844 LUDDENHAM ROAD	385	35	26	31	22	29	22	27	20	29	28	32	30	29	33			
47490	NCA10	RES	386	812-844 LUDDENHAM ROAD	386	35	21	27	18	25	18	23	16	26	25	29	27	26	31			
47499	NCA10	RES	390	2600 ELIZABETH DRIVE	5906	35	19	24	15	20	12	17	11	19	18	22	20	19	23			
47500	NCA10	RES	392	2600 ELIZABETH DRIVE	5908	35	18	23	14	20	12	17	11	18	17	21	19	18	22			
47506	NCA10	RES	394	2600 ELIZABETH DRIVE	5910	35	0	0	0	19	12	17	10	18	17	21	19	17	22			
47535	NCA10	RES	395	765 LUDDENHAM ROAD	5911	35	27	32	23	30	22	27	21	29	28	32	30	28	33			
47541	NCA10	RES	398	765 LUDDENHAM ROAD	5914	35	29	34	25	29	22	27	20	31	30	34	32	30	35			
47553	NCA10	RES	399	765 LUDDENHAM ROAD	5915	35	27	32	23	29	22	27	20	31	30	34	32	31	35			
47561	NCA10	RES	407	777-814 LUDDENHAM ROAD	5923	35	24	29	20	28	20	25	19	28	26	30	29	27	32			
47576	NCA10	RES	409	821 LUDDENHAM ROAD	5925	35	23	28	19	28	21	26	19	28	27	31	29	27	32			
47588	NCA10	RES	421	851-867 LUDDENHAM ROAD	5937	35	25	31	22	28	21	26	19	27	26	30	29	27	32			
47595	NCA10	RES	422	869-885 LUDDENHAM ROAD	5938	35	22	27	18	24	17	22	15	24	23	27	25	23	28			
47601	NCA10	RES	424	869-885 LUDDENHAM ROAD	5940	35	21	27	18	24	17	22	15	23	22	26	24	23	27			
47612	NCA10	RES	429	869-885 LUDDENHAM ROAD	5945	35	22	27	18	24	17	22	15	24	22	26	25	23	28			
47628	NCA10	RES	430	892 LUDDENHAM ROAD	430	35	24	29	20	26	19	24	17	26	24	28	27	25	30			
47648	NCA10	RES	432	869-885 LUDDENHAM ROAD	5948	35	23	29	20	27	19	24	18	25	24	28	26	25	29			
47660	NCA10	RES	435	869A LUDDENHAM ROAD	5951	35	21	26	17	24	16	21	15	23	22	26	24	22	27			
47662	NCA10	RES	437	892B LUDDENHAM ROAD	437	35	20	26	17	23	16	21	14	23	22	26	24	22	27			
47675	NCA10	RES	438	1 MEDINAH AVENUE	438	35	37	42	34	41	33	38	31	32	31	35	33	31	36			
47696	NCA10	RES	439	1 MEDINAH AVENUE	439	35	35	40	31	39	30	35	29	29	28	32	30	29	33			
47700	NCA10	RES	440	1 MEDINAH AVENUE	440	35	35	40	31	39	30	35	29	29	28	32	30	29	33			
47723	NCA10	RES	441	11 MEDINAH AVENUE	441	35	36	41	32	38	29	34	28	30	29	33	31	29	34			
47728	NCA10	RES	442	11 MEDINAH AVENUE	442	35	31	36	27	34	26	31	24	26	25	29	27	26	30			
47739	NCA10	RES	444	12 MEDINAH AVENUE	444	35	35	40	31	38	30	35	28	30	29	33	31	30	34			
47755	NCA10	RES	445	13 MEDINAH AVENUE	445	35	35	41	32	37	29	34	27	30	29	33	31	29	34			
47771	NCA10	RES	447	14 MEDINAH AVENUE	447	35	33	38	29	38	30	35	28	29	28	32	30	29	33			
47797	NCA10	RES	448	15 MEDINAH AVENUE	448	35	33	38	29	37	29	34	27	27	26	30	28	27	31			
47814	NCA10	RES	450	16 MEDINAH AVENUE	450	35	35	41	32	25	18	23	16	30	29	33	31	29	34			
47815	NCA10	RES	450	889 LUDDENHAM ROAD	5966	35	23	28	19	40	32	37	30	25	24	28	26	25	29			
47842	NCA10	RES	451	17 MEDINAH AVENUE	451	35	29	34	25	37	28	33	27	26	25	29	27	25	30			
47852	NCA10	RES	452	17 MEDINAH AVENUE	452	35	32	38	29	37	29	34	27	27	26	30	28	26	31			
47864	NCA10	RES	452	889 LUDDENHAM ROAD	5968	35	23	28	20	26	19	24	17	25	24	28	26	25	29			
47878	NCA10	RES	453	19 MEDINAH AVENUE	453	35	35	40	31	39	31	36	30	29	28	32	30	29	33			
47895	NCA10	RES	454	1A MEDINAH AVENUE	454	35	37	43	34	42	33	38	32	32	31	35	33	31	36			
47923	NCA10	RES	455	2 MEDINAH AVENUE	455	35	37	43	34	40	31	36	30	32	31	35	33	31	36			
47946	NCA10	RES	456	21 MEDINAH AVENUE	456	35	32	37	29	37	29	34	27	27	25	29	28	26	31			
47960	NCA10	RES	457	23 MEDINAH AVENUE	457	35	32	37	28	37	29	34	27	26	25	29	28	26	31			
47978	NCA10	RES	458	24 MEDINAH AVENUE	458	35	33	38	29	40	32	37	31	30	29	33	31	29	34			
47998	NCA10	RES	459	25 MEDINAH AVENUE	459	35	32	37	28	37	29	34	27	26	25	29	27	26	30			
48020	NCA10	RES	460	25 MEDINAH AVENUE	460	35	32	37	28	36	28	33	27	26	25	29	27	26	30			
48032	NCA10	RES	461	26 MEDINAH AVENUE	461	35	35	40	31	40	32	37	30	29	28	32	31	29	34			
48053	NCA10	RES	462	26 MEDINAH AVENUE	462	35	32	38	29	38	29	34	28	27	26	30	28	26	31			
48060	NCA10	RES	463	27 MEDINAH AVENUE	463	35	32	37	28	37	29	34	27	26	25	29	27	26	30			
48098	NCA10	RES	464	29 MEDINAH AVENUE	464	35	34	40	31	39	31	36	30	29	28	32	30	28	33			
48125	NCA10	RES	466	3 MEDINAH AVENUE	466	35	34	40	31	39	30	35	29	29	28	32	30	28	33			
48135	NCA10	RES	467	31 MEDINAH AVENUE	467	35	32	37	28	37	29	34	27	26	25	29	28	26	31			
48155	NCA10	RES	468	4 MEDINAH AVENUE	468	35	34	39	30	39	31	36	29	29	28	32	30	28	33			
48160	NCA10	RES	469	4 MEDINAH AVENUE	469	35	37	43	34	39	31	36	29	32	31	35	33	31	36			
48173	NCA10	RES	470	5 MEDINAH AVENUE	470	35	34	39	31	38	30	35	29	29	28	32	30	28	33			

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48197	NCA10	RES	471	6 MEDINAH AVENUE	471	35	37	42	33	41	33	38	31	31	30	34	33	31	36
48209	NCA10	RES	473	7 MEDINAH AVENUE	473	35	36	42	33	40	32	37	31	31	30	34	32	30	35
48248	NCA10	RES	474	8 MEDINAH AVENUE	474	35	37	42	33	41	34	39	32	32	30	34	33	31	36
48254	NCA10	RES	475	9 MEDINAH AVENUE	475	35	33	38	30	37	29	34	27	28	27	31	29	27	32
48260	NCA10	RES	476	9 MEDINAH AVENUE	476	35	33	39	30	38	30	35	28	28	27	31	29	28	32
48282	NCA10	RES	477	10 PENNARD CRESCENT	477	35	34	39	30	41	34	39	32	31	30	34	33	31	36
48291	NCA10	RES	478	10 PENNARD CRESCENT	478	35	36	42	33	43	35	40	33	31	30	34	33	31	36
48306	NCA10	RES	480	11 PENNARD CRESCENT	480	35	34	39	30	41	33	38	31	30	29	33	31	30	34
48344	NCA10	RES	481	12 PENNARD CRESCENT	481	35	36	41	32	42	34	39	33	31	30	34	33	31	36
48361	NCA10	RES	482	12 PENNARD CRESCENT	482	35	34	39	30	40	32	37	30	29	28	32	30	29	33
48372	NCA10	RES	483	14 PENNARD CRESCENT	483	35	36	41	32	42	34	39	33	31	30	34	33	31	36
48393	NCA10	RES	486	15 PENNARD CRESCENT	486	35	33	39	30	39	30	35	29	28	27	31	29	27	32
48406	NCA10	RES	487	15 PENNARD CRESCENT	487	35	36	41	32	40	32	37	30	30	29	33	31	30	34
48426	NCA10	RES	488	16 PENNARD CRESCENT	488	35	36	41	32	42	34	39	32	32	31	35	33	31	36
48460	NCA10	RES	490	2 PENNARD CRESCENT	490	35	35	40	31	40	32	37	30	30	29	33	31	30	34
48474	NCA10	RES	491	2 PENNARD CRESCENT	491	35	34	40	31	40	32	37	30	29	28	32	31	29	34
48482	NCA10	RES	492	3 PENNARD CRESCENT	492	35	34	40	31	40	31	36	30	29	28	32	30	28	33
48492	NCA10	RES	493	3 PENNARD CRESCENT	493	35	35	40	31	39	31	36	30	29	28	32	31	29	34
48515	NCA10	RES	494	4 PENNARD CRESCENT	494	35	37	42	33	42	34	39	32	31	30	34	32	31	35
48543	NCA10	RES	496	4 PENNARD CRESCENT	496	35	37	42	33	42	33	38	32	32	31	35	33	31	36
48548	NCA10	RES	497	4 PENNARD CRESCENT	497	35	34	39	30	38	30	35	29	30	29	33	31	29	34
48563	NCA10	RES	498	5 PENNARD CRESCENT	498	35	34	39	31	39	31	36	30	29	27	31	30	28	33
48581	NCA10	RES	500	6 PENNARD CRESCENT	500	35	34	40	31	40	32	37	30	29	28	32	30	28	33
48589	NCA10	RES	501	6 PENNARD CRESCENT	501	35	37	42	33	42	34	39	33	31	30	34	32	31	35
48608	NCA10	RES	503	7 PENNARD CRESCENT	503	35	34	39	30	39	31	36	29	28	27	31	29	28	32
48623	NCA10	RES	504	8 PENNARD CRESCENT	504	35	36	42	33	42	34	39	33	31	30	34	32	31	35
48651	NCA10	RES	505	9 PENNARD CRESCENT	505	35	34	39	30	39	31	36	29	28	27	31	29	28	32
48667	NCA10	RES	507	10 PINE VALLEY CRESCENT	507	35	33	39	30	38	30	35	28	29	28	32	31	29	34
48689	NCA10	RES	509	11 PINE VALLEY CRESCENT	509	35	35	40	31	40	32	37	30	30	29	33	31	29	34
48708	NCA10	RES	510	11 PINE VALLEY CRESCENT	510	35	34	39	30	40	32	37	31	30	29	33	31	29	34
48716	NCA10	RES	511	12 PINE VALLEY CRESCENT	511	35	35	41	32	40	32	37	30	30	29	33	31	29	34
48738	NCA10	RES	512	13 PINE VALLEY CRESCENT	512	35	36	41	32	41	33	38	31	30	29	33	32	30	35
48756	NCA10	RES	513	15 PINE VALLEY CRESCENT	513	35	33	38	29	38	30	35	29	30	29	33	31	29	34
48770	NCA10	RES	514	17 PINE VALLEY CRESCENT	514	35	33	38	29	40	32	37	30	30	29	33	31	29	34
48809	NCA10	RES	516	2 PINE VALLEY CRESCENT	516	35	36	42	33	41	33	38	31	31	30	34	32	30	35
48821	NCA10	RES	517	3 PINE VALLEY CRESCENT	517	35	35	40	31	42	33	38	32	30	29	33	31	30	34
48828	NCA10	RES	518	3 PINE VALLEY CRESCENT	518	35	37	42	33	42	32	37	30	31	30	34	33	31	36
48855	NCA10	RES	519	4 PINE VALLEY CRESCENT	519	35	36	42	33	39	30	35	29	31	30	34	32	30	35
48871	NCA10	RES	520	5 PINE VALLEY CRESCENT	520	35	37	42	33	42	32	37	31	31	30	34	32	31	35
48894	NCA10	RES	522	6 PINE VALLEY CRESCENT	522	35	34	39	30	39	30	35	29	28	27	31	29	28	32
48907	NCA10	RES	524	7 PINE VALLEY CRESCENT	524	35	37	42	33	42	33	38	32	31	30	34	32	31	35
48921	NCA10	RES	525	8 PINE VALLEY CRESCENT	525	35	33	39	30	38	30	35	28	28	27	31	29	27	32
48943	NCA10	RES	527	9 PINE VALLEY CRESCENT	527	35	37	42	33	39	31	36	29	31	30	34	32	30	35
48950	NCA10	RES	528	1 PORTRUSH CRESCENT	528	35	40	45	36	48	40	45	38	36	35	39	37	35	40
48957	NCA10	RES	530	1 PORTRUSH CRESCENT	530	35	43	48	39	48	40	45	38	37	36	40	38	36	41
48976	NCA10	RES	531	10 PORTRUSH CRESCENT	531	35	39	44	36	46	37	42	36	34	32	36	35	33	38
48993	NCA10	RES	532	10 PORTRUSH CRESCENT	532	35	39	44	35	44	36	41	35	33	32	36	34	33	37
49002	NCA10	RES	533	11 PORTRUSH CRESCENT	533	35	39	44	36	52	43	48	41	37	36	40	38	36	41
49017	NCA10	RES	535	12 PORTRUSH CRESCENT	535	35	42	47	38	49	40	45	38	36	35	39	37	36	40
49034	NCA10	RES	536	12 PORTRUSH CRESCENT	536	35	39	44	35	46	37	42	36	33	32	36	34	33	37
49036	NCA10	RES	537	12 PORTRUSH CRESCENT	537	35	29	34	25	39	31	36	30	33	32	36	34	33	37

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49088	NCA10	RES	539	13 PORTRUSH CRESCENT	539	35	43	48	39	51	42	47	40	37	36	40	39	37	42
49106	NCA10	RES	540	14 PORTRUSH CRESCENT	540	35	39	44	35	46	37	42	36	33	32	36	34	32	37
49125	NCA10	RES	543	14 PORTRUSH CRESCENT	543	35	42	47	38	47	38	43	36	36	35	39	37	35	40
49154	NCA10	RES	545	15 PORTRUSH CRESCENT	545	35	40	46	37	51	43	48	41	36	35	39	38	36	41
49169	NCA10	RES	546	16 PORTRUSH CRESCENT	546	35	31	36	27	47	38	43	36	34	33	37	36	34	39
49195	NCA10	RES	547	16 PORTRUSH CRESCENT	547	35	40	45	36	47	38	43	37	36	35	39	37	35	40
49235	NCA10	RES	548	17 PORTRUSH CRESCENT	548	35	41	46	37	55	46	51	44	39	38	55	42	40	43
49243	NCA10	RES	552	17 PORTRUSH CRESCENT	552	35	41	46	37	53	45	50	43	36	35	39	39	37	42
49248	NCA10	RES	553	17 PORTRUSH CRESCENT	553	35	43	48	40	55	46	51	44	39	38	42	40	38	43
49271	NCA10	RES	555	18 PORTRUSH CRESCENT	555	35	41	47	38	47	39	44	37	36	35	39	37	35	40
49277	NCA10	RES	557	19 PORTRUSH CRESCENT	557	35	44	49	40	56	46	51	45	39	38	42	40	38	43
49304	NCA10	RES	559	2 PORTRUSH CRESCENT	559	35	42	47	38	47	38	43	36	36	35	39	37	36	40
49338	NCA10	RES	561	21 PORTRUSH CRESCENT	561	35	41	46	37	54	45	50	43	38	37	41	39	37	42
49376	NCA10	RES	562	22 PORTRUSH CRESCENT	562	35	42	47	38	49	40	45	38	36	35	39	37	35	40
49401	NCA10	RES	565	23 PORTRUSH CRESCENT	565	35	40	46	37	52	43	48	42	37	36	40	38	37	41
49412	NCA10	RES	567	24 PORTRUSH CRESCENT	567	35	39	45	36	49	42	47	40	36	35	39	38	36	41
49440	NCA10	RES	569	24 PORTRUSH CRESCENT	569	35	37	42	33	48	37	42	36	33	32	36	35	33	38
49451	NCA10	RES	570	26 PORTRUSH CRESCENT	570	35	41	46	37	51	43	48	41	37	36	40	38	36	41
49475	NCA10	RES	572	28 PORTRUSH CRESCENT	572	35	39	45	36	49	41	46	39	35	34	38	36	34	39
49497	NCA10	RES	573	28 PORTRUSH CRESCENT	573	35	37	43	34	47	40	45	38	35	34	38	36	34	39
49502	NCA10	RES	574	30 PORTRUSH CRESCENT	574	35	31	36	27	45	38	43	36	35	34	38	36	34	39
49513	NCA10	RES	575	30 PORTRUSH CRESCENT	575	35	41	46	37	52	44	49	42	37	36	40	39	37	42
49549	NCA10	RES	576	34 PORTRUSH CRESCENT	576	35	39	44	35	53	45	50	44	38	37	41	39	37	42
49566	NCA10	RES	578	34 PORTRUSH CRESCENT	578	35	36	41	32	46	38	43	37	36	35	39	37	35	40
49572	NCA10	RES	579	34 PORTRUSH CRESCENT	579	35	38	44	35	50	42	47	40	36	34	38	37	35	40
49576	NCA10	RES	580	36 PORTRUSH CRESCENT	580	35	40	45	37	52	43	48	42	39	37	41	40	38	43
49600	NCA10	RES	582	36 PORTRUSH CRESCENT	582	35	33	38	29	49	41	46	40	36	35	39	37	35	40
49621	NCA10	RES	583	38 PORTRUSH CRESCENT	583	35	43	48	39	55	47	52	45	39	38	42	40	39	43
49649	NCA10	RES	585	4 PORTRUSH CRESCENT	585	35	42	47	38	45	36	41	34	36	35	39	37	36	40
49676	NCA10	RES	586	40 PORTRUSH CRESCENT	586	35	41	46	37	53	44	49	43	39	38	42	40	38	43
49684	NCA10	RES	587	42 PORTRUSH CRESCENT	587	35	37	43	34	54	45	50	43	37	36	40	38	36	41
49694	NCA10	RES	588	42 PORTRUSH CRESCENT	588	35	41	46	38	54	45	50	44	39	38	42	40	39	43
49705	NCA10	RES	589	44 PORTRUSH CRESCENT	589	35	42	47	38	56	46	51	45	39	38	42	40	38	43
49719	NCA10	RES	590	44 PORTRUSH CRESCENT	590	35	41	47	38	58	48	53	47	40	38	42	41	39	44
49738	NCA10	RES	591	46 PORTRUSH CRESCENT	591	35	44	50	41	59	49	54	47	40	39	43	41	39	44
49756	NCA10	RES	592	46 PORTRUSH CRESCENT	592	35	42	47	38	58	49	54	47	40	39	43	41	39	44
49765	NCA10	RES	593	48 PORTRUSH CRESCENT	593	35	45	50	41	58	47	52	45	40	39	43	41	39	44
49793	NCA10	RES	594	48 PORTRUSH CRESCENT	594	35	42	48	39	58	48	53	46	38	37	41	39	37	42
49799	NCA10	RES	595	48 PORTRUSH CRESCENT	595	35	42	47	39	60	50	55	48	41	40	44	42	40	45
49804	NCA10	RES	596	48 PORTRUSH CRESCENT	596	35	41	47	38	60	50	55	48	40	39	43	41	40	44
49807	NCA10	RES	597	5 PORTRUSH CRESCENT	597	35	43	48	39	50	41	46	39	37	36	40	38	37	41
49815	NCA10	RES	598	5 PORTRUSH CRESCENT	598	35	41	47	38	47	38	43	37	37	36	40	38	36	41
49817	NCA10	RES	599	5 PORTRUSH CRESCENT	599	35	42	47	38	50	41	46	39	37	36	40	38	36	41
49842	NCA10	RES	600	52 PORTRUSH CRESCENT	600	35	42	48	39	57	47	52	45	39	38	42	40	39	43
49859	NCA10	RES	602	52 PORTRUSH CRESCENT	602	35	32	37	28	56	46	51	44	37	36	40	38	37	41
49876	NCA10	RES	603	54 PORTRUSH CRESCENT	603	35	42	47	38	54	45	50	43	37	36	40	38	36	41
49894	NCA10	RES	604	54 PORTRUSH CRESCENT	604	35	42	47	38	54	44	49	43	37	36	40	38	36	41
49899	NCA10	RES	605	56 PORTRUSH CRESCENT	605	35	42	47	38	53	43	48	42	38	37	41	39	37	42
49925	NCA10	RES	606	58 PORTRUSH CRESCENT	606	35	43	49	40	52	42	47	41	38	37	41	39	37	42
49950	NCA10	RES	607	6 PORTRUSH CRESCENT	607	35	39	45	36	48	39	44	37	35	34	38	36	34	39
49970	NCA10	RES	608	6 PORTRUSH CRESCENT	608	35	27	32	23	36	28	33	27	34	32	36	35	33	38

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No.	NCA	Usage	rec	Address	Unique ID	NML	Leq dB(A)												
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 6	Activity 7	Activity 8	Activity 11	Activity 12	Activity 13	Activity 14	Activity 15	Activity 16
49974	NCA10	RES	610	6 PORTRUSH CRESCENT	610	35	39	44	35	42	35	40	34	33	32	36	35	33	38
49982	NCA10	RES	611	60 PORTRUSH CRESCENT	611	35	41	47	38	51	42	47	40	36	35	39	37	35	40
49997	NCA10	RES	613	62 PORTRUSH CRESCENT	613	35	41	46	37	52	43	48	42	37	36	40	38	36	41
50021	NCA10	RES	614	62 PORTRUSH CRESCENT	614	35	44	49	40	50	41	46	40	38	37	41	39	37	42
50029	NCA10	RES	615	64 PORTRUSH CRESCENT	615	35	41	46	37	52	42	47	41	37	36	40	38	36	41
50047	NCA10	RES	616	64 PORTRUSH CRESCENT	616	35	43	49	40	49	40	45	39	38	37	41	39	37	42
50050	NCA10	RES	617	66 PORTRUSH CRESCENT	617	35	43	48	39	48	39	44	38	37	36	40	39	37	42
50071	NCA10	RES	618	68 PORTRUSH CRESCENT	618	35	40	46	37	48	39	44	38	36	35	39	37	35	40
50108	NCA10	RES	620	8 PORTRUSH CRESCENT	620	35	39	44	35	45	36	41	35	33	32	36	34	33	37
50114	NCA10	RES	621	8 PORTRUSH CRESCENT	621	35	39	45	36	47	39	44	37	35	34	38	36	34	39
50134	NCA10	RES	622	11 TWIN CREEKS DRIVE	622	35	35	40	31	40	32	37	30	31	30	34	33	31	36
50153	NCA10	RES	623	13 TWIN CREEKS DRIVE	623	35	27	32	23	40	32	37	30	29	28	32	30	28	33
50160	NCA10	RES	624	13 TWIN CREEKS DRIVE	624	35	37	42	34	41	33	38	31	32	30	34	33	31	36
50182	NCA10	RES	625	13 TWIN CREEKS DRIVE	625	35	34	40	31	41	32	37	31	29	28	32	30	28	33
50185	NCA10	RES	626	13 TWIN CREEKS DRIVE	626	35	35	40	31	41	32	37	31	30	29	33	31	29	34
50196	NCA10	RES	627	14 TWIN CREEKS DRIVE	627	35	38	43	34	43	35	40	33	32	31	35	33	32	36
50220	NCA10	RES	628	15 TWIN CREEKS DRIVE	628	35	37	43	34	41	33	38	31	32	31	35	33	31	36
50238	NCA10	RES	629	15 TWIN CREEKS DRIVE	629	35	37	42	33	41	33	38	31	31	30	34	33	31	36
50244	NCA10	RES	631	15 TWIN CREEKS DRIVE	631	35	34	40	31	42	35	40	33	32	31	35	33	31	36
50249	NCA10	RES	632	15 TWIN CREEKS DRIVE	632	35	35	40	31	42	35	40	33	31	30	34	33	31	36
50257	NCA10	RES	633	17 TWIN CREEKS DRIVE	633	35	37	42	33	43	35	40	33	32	31	35	33	31	36
50266	NCA10	RES	634	17 TWIN CREEKS DRIVE	634	35	27	33	24	41	33	38	31	31	30	34	32	30	35
50271	NCA10	RES	635	17 TWIN CREEKS DRIVE	635	35	35	40	31	43	35	40	33	32	31	35	33	31	36
50317	NCA10	RES	636	18 TWIN CREEKS DRIVE	636	35	38	43	34	45	35	40	33	33	32	36	34	32	37
50325	NCA10	RES	643	20 TWIN CREEKS DRIVE	643	35	35	40	31	41	32	37	31	29	28	32	30	29	33
50341	NCA10	RES	644	21 TWIN CREEKS DRIVE	644	35	34	40	31	41	33	38	31	30	29	33	31	29	34
50349	NCA10	RES	645	21 TWIN CREEKS DRIVE	645	35	34	40	31	41	33	38	31	32	31	35	33	31	36
50365	NCA10	RES	646	21 TWIN CREEKS DRIVE	646	35	37	42	33	43	35	40	34	32	31	35	33	32	36
50383	NCA10	RES	648	22 TWIN CREEKS DRIVE	648	35	38	43	34	43	35	40	33	32	31	35	33	31	36
50403	NCA10	RES	652	24 TWIN CREEKS DRIVE	652	35	38	43	34	42	34	39	32	32	31	35	33	32	36
50438	NCA10	RES	653	26 TWIN CREEKS DRIVE	653	35	37	42	33	44	36	41	34	32	31	35	33	32	36
50469	NCA10	RES	654	27 TWIN CREEKS DRIVE	654	35	35	40	32	43	35	40	33	34	33	37	36	34	39
50480	NCA10	RES	655	27 TWIN CREEKS DRIVE	655	35	30	35	26	42	34	39	32	32	31	35	33	31	36
50485	NCA10	RES	656	28 TWIN CREEKS DRIVE	656	35	35	41	32	42	34	39	32	32	31	35	33	32	36
50506	NCA10	RES	657	28 TWIN CREEKS DRIVE	657	35	36	41	32	45	37	42	35	34	32	36	35	33	38
50521	NCA10	RES	658	29 TWIN CREEKS DRIVE	658	35	35	40	31	42	34	39	33	34	33	37	35	34	38
50539	NCA10	RES	660	29 TWIN CREEKS DRIVE	660	35	31	36	27	42	34	39	32	33	32	36	35	33	38
50546	NCA10	RES	661	30 TWIN CREEKS DRIVE	661	35	35	40	31	42	34	39	32	31	30	34	32	30	35
50575	NCA10	RES	663	31 TWIN CREEKS DRIVE	663	35	35	40	31	42	34	39	33	32	31	35	33	32	36
50591	NCA10	RES	664	31 TWIN CREEKS DRIVE	664	35	34	40	31	43	35	40	34	34	33	37	35	33	38
50595	NCA10	RES	666	32 TWIN CREEKS DRIVE	666	35	38	43	34	45	36	41	35	33	32	36	34	32	37
50619	NCA10	RES	668	33 TWIN CREEKS DRIVE	668	35	34	40	31	43	35	40	34	35	34	38	36	34	39
50638	NCA10	RES	669	33 TWIN CREEKS DRIVE	669	35	34	39	30	41	33	38	32	32	31	35	33	31	36
50640	NCA10	RES	671	34 TWIN CREEKS DRIVE	671	35	38	43	34	44	36	41	35	33	32	36	34	32	37
50668	NCA10	RES	672	34 TWIN CREEKS DRIVE	672	35	37	42	33	43	36	41	34	34	33	37	35	34	38
50692	NCA10	RES	673	35 TWIN CREEKS DRIVE	673	35	37	42	33	43	36	41	34	35	34	38	36	34	39
50720	NCA10	RES	674	36 TWIN CREEKS DRIVE	674	35	38	43	34	44	36	41	35	33	32	36	34	32	37
50732	NCA10	RES	675	36 TWIN CREEKS DRIVE	675	35	35	40	31	44	36	41	35	33	32	36	34	32	37
50741	NCA10	RES	676	36 TWIN CREEKS DRIVE	676	35	35	40	31	42	34	39	32	31	30	34	32	30	35
50746	NCA10	RES	677	37 TWIN CREEKS DRIVE	677	35	33	38	30	40	33	38	31	32	31	35	33	31	36
50759	NCA10	RES	679	37 TWIN CREEKS DRIVE	679	35	36	42	33	43	35	40	34	35	34	38	36	34	39

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50778	NCA10	RES	682	38 TWIN CREEKS DRIVE	682	35	38	43	34	43	35	40	34	33	32	36	34	32	37
50806	NCA10	RES	683	39 TWIN CREEKS DRIVE	683	35	34	39	30	40	33	38	31	32	31	35	33	32	36
50827	NCA10	RES	684	40 TWIN CREEKS DRIVE	684	35	36	41	32	46	38	43	36	36	35	39	37	35	40
50841	NCA10	RES	686	41 TWIN CREEKS DRIVE	686	35	32	38	29	40	32	37	31	32	31	35	33	31	36
50855	NCA10	RES	687	41 TWIN CREEKS DRIVE	687	35	33	38	29	40	32	37	30	30	29	33	32	30	35
50864	NCA10	RES	688	42 TWIN CREEKS DRIVE	688	35	36	41	32	45	38	43	36	35	34	38	37	35	40
50888	NCA10	RES	690	43 TWIN CREEKS DRIVE	690	35	33	38	29	40	32	37	30	32	31	35	33	31	36
50891	NCA10	RES	691	43 TWIN CREEKS DRIVE	691	35	30	35	27	39	31	36	30	32	31	35	33	31	36
50903	NCA10	RES	692	43 TWIN CREEKS DRIVE	692	35	34	40	31	43	35	40	33	33	32	36	34	32	37
50912	NCA10	RES	693	44 TWIN CREEKS DRIVE	693	35	38	43	34	46	38	43	36	33	32	36	34	33	37
50921	NCA10	RES	694	44 TWIN CREEKS DRIVE	694	35	36	42	33	46	38	43	36	36	35	39	37	35	40
50955	NCA10	RES	696	45 TWIN CREEKS DRIVE	696	35	33	38	30	41	33	38	31	33	32	36	34	32	37
50982	NCA10	RES	698	47 TWIN CREEKS DRIVE	698	35	35	40	31	41	34	39	32	34	33	37	35	34	38
51001	NCA10	RES	699	47 TWIN CREEKS DRIVE	699	35	32	38	29	39	31	36	29	31	30	34	32	31	35
51019	NCA10	RES	700	48 TWIN CREEKS DRIVE	700	35	37	43	34	46	38	43	36	37	35	39	37	35	40
51029	NCA10	RES	702	49 TWIN CREEKS DRIVE	702	35	29	34	25	38	30	35	29	29	28	32	30	29	33
51049	NCA10	RES	703	49 TWIN CREEKS DRIVE	703	35	32	37	28	39	32	37	30	34	33	37	35	33	38
51054	NCA10	RES	704	5 TWIN CREEKS DRIVE	704	35	35	40	31	40	31	36	30	29	28	32	30	29	33
51076	NCA10	RES	705	50 TWIN CREEKS DRIVE	705	35	36	42	33	46	38	43	37	37	36	40	38	36	41
51099	NCA10	RES	708	51 TWIN CREEKS DRIVE	708	35	30	35	27	40	32	37	30	34	33	37	35	33	38
51120	NCA10	RES	709	52 TWIN CREEKS DRIVE	709	35	34	39	30	45	37	42	36	36	35	39	37	35	40
51160	NCA10	RES	710	52 TWIN CREEKS DRIVE	710	35	37	42	33	44	36	41	35	35	34	38	37	35	40
51165	NCA10	RES	711	53 TWIN CREEKS DRIVE	711	35	32	37	28	38	30	35	29	31	30	34	32	30	35
51171	NCA10	RES	712	53 TWIN CREEKS DRIVE	712	35	31	36	28	37	30	35	28	34	32	36	35	33	38
51198	NCA10	RES	715	54 TWIN CREEKS DRIVE	715	35	36	42	33	43	36	41	34	35	34	38	37	35	40
51216	NCA10	RES	716	54 TWIN CREEKS DRIVE	716	35	30	35	26	41	33	38	32	33	32	36	34	32	37
51220	NCA10	RES	717	55 TWIN CREEKS DRIVE	717	35	34	39	30	40	32	37	30	31	30	34	33	31	36
51239	NCA10	RES	718	55 TWIN CREEKS DRIVE	718	35	32	37	28	38	30	35	28	30	29	33	31	30	35
51244	NCA10	RES	719	55 TWIN CREEKS DRIVE	719	35	31	37	28	38	30	35	28	31	30	34	32	30	35
51271	NCA10	RES	721	58 TWIN CREEKS DRIVE	721	35	35	41	32	42	35	40	33	35	34	38	36	35	39
51286	NCA10	RES	722	62 TWIN CREEKS DRIVE	722	35	33	38	29	40	32	37	30	35	34	38	36	35	39
51300	NCA10	RES	723	62 TWIN CREEKS DRIVE	723	35	33	38	29	41	33	38	32	35	34	38	36	35	39
51316	NCA10	RES	725	62 TWIN CREEKS DRIVE	725	35	33	38	29	40	33	38	31	33	32	36	34	32	37
51329	NCA10	RES	727	62 TWIN CREEKS DRIVE	727	35	35	40	32	42	34	39	33	35	34	38	36	34	39
51343	NCA10	RES	728	64 TWIN CREEKS DRIVE	728	35	35	40	31	41	34	39	32	34	33	37	35	33	38
51369	NCA10	RES	730	64 TWIN CREEKS DRIVE	730	35	34	39	30	41	34	39	32	34	33	37	35	33	38
51378	NCA10	RES	731	7 TWIN CREEKS DRIVE	731	35	35	40	31	40	31	36	30	29	28	32	30	29	33
51391	NCA10	RES	732	9 TWIN CREEKS DRIVE	732	35	37	42	33	42	34	39	32	31	30	34	32	31	35
51422	NCA10	RES	736	1 VENTANA COURT	736	35	35	41	32	43	35	40	34	35	34	38	37	35	39
51444	NCA10	RES	737	2 VENTANA COURT	737	35	35	41	32	43	35	40	34	36	34	38	37	35	40
51458	NCA10	RES	738	2 VENTANA COURT	738	35	38	43	34	45	35	40	34	36	35	39	37	35	40
51477	NCA10	RES	740	3 VENTANA COURT	740	35	35	40	31	43	35	40	33	36	35	39	38	36	41
51487	NCA10	RES	741	4 VENTANA COURT	741	35	39	44	35	47	39	44	38	34	33	37	36	34	39
51493	NCA10	RES	742	4 VENTANA COURT	742	35	39	44	35	47	39	44	38	36	35	39	38	36	40
51518	NCA10	RES	743	5 VENTANA COURT	743	35	36	41	32	44	36	41	35	37	36	40	38	36	41
51534	NCA10	RES	744	6 VENTANA COURT	744	35	37	42	33	46	38	43	36	35	34	38	37	35	40
51546	NCA10	RES	745	6 VENTANA COURT	745	35	38	43	34	44	36	41	35	35	34	38	36	34	39
51576	NCA10	RES	746	7 VENTANA COURT	746	35	36	41	32	45	37	42	36	36	35	39	37	35	40
51589	NCA10	RES	748	7 VENTANA COURT	748	35	36	41	32	44	36	41	34	35	34	38	36	34	39
51598	NCA10	RES	749	1 WOODHALL PLACE	749	35	35	40	31	41	33	38	32	33	32	36	34	32	37
51618	NCA10	RES	751	11 WOODHALL PLACE	751	35	33	38	29	40	32	37	30	32	31	35	34	32	37

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51622	NCA10	RES	752	11 WOODHALL PLACE	752	35	33	38	29	42	34	39	32	32	31	35	33	31	36
51649	NCA10	RES	753	13 WOODHALL PLACE	753	35	34	39	30	41	34	39	32	32	31	35	33	32	36
51671	NCA10	RES	754	15 WOODHALL PLACE	754	35	33	38	29	39	31	36	29	30	29	33	31	29	34
51680	NCA10	RES	755	15 WOODHALL PLACE	755	35	36	42	33	41	34	39	32	32	31	35	33	32	36
51736	NCA10	RES	756	17 WOODHALL PLACE	756	35	33	38	29	40	33	38	31	32	31	35	34	32	37
51766	NCA10	RES	757	19 WOODHALL PLACE	757	35	35	40	31	41	33	38	31	33	31	35	34	32	37
51768	NCA10	RES	759	2 WOODHALL PLACE	759	35	34	39	30	41	33	38	31	30	29	33	31	29	34
51782	NCA10	RES	760	2 WOODHALL PLACE	760	35	34	39	31	41	34	39	32	32	31	35	33	32	36
51797	NCA10	RES	761	3 WOODHALL PLACE	761	35	34	40	31	41	33	38	31	33	32	36	34	32	37
51820	NCA10	RES	763	4 WOODHALL PLACE	763	35	34	39	30	40	32	37	31	30	28	32	31	29	34
51855	NCA10	RES	765	5 WOODHALL PLACE	765	35	36	42	33	43	35	40	34	33	32	36	34	32	37
51865	NCA10	RES	766	6 WOODHALL PLACE	766	35	31	36	27	39	31	36	29	29	28	32	31	29	34
51875	NCA10	RES	767	6 WOODHALL PLACE	767	35	33	39	30	40	32	37	30	30	28	32	31	29	34
51891	NCA10	RES	768	7 WOODHALL PLACE	768	35	34	39	30	42	34	39	33	33	32	36	34	32	37
51912	NCA10	RES	769	7 WOODHALL PLACE	769	35	34	39	30	43	35	40	33	32	31	35	34	32	37
51917	NCA10	RES	770	9 WOODHALL PLACE	770	35	31	36	27	40	32	37	31	33	31	35	34	32	37
51924	NCA10	RES	771	9 WOODHALL PLACE	771	35	34	39	30	42	34	39	32	33	32	36	34	32	37
51940	NCA10	RES	772	9 WOODHALL PLACE	772	35	33	39	30	40	32	37	31	30	29	33	32	30	35

Predicted Night-time construction noise																
No.	NCA	Usage	rec	Address	Unique ID	NML	L _{eq} dB(A)									
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
41142	NCA9	RES	1		5106	39	33	38	29	32	20	24	29	22	28	34
41148	NCA9	RES	15		5120	39	33	38	29	34	22	26	31	24	29	34
41154	NCA9	RES	19		5124	39	32	38	29	34	22	26	31	24	29	34
41165	NCA9	RES	20		5125	39	32	37	28	31	19	23	28	21	30	36
41174	NCA9	RES	23		5128	39	33	38	29	32	20	23	28	22	29	34
41181	NCA9	RES	31		5136	39	33	38	29	33	21	25	30	23	29	35
41187	NCA9	RES	34		5139	39	32	38	29	31	19	23	28	22	29	34
41204	NCA9	RES	39		5144	39	35	40	31	34	22	26	31	24	31	36
41220	NCA9	RES	43		5148	39	32	37	28	31	19	23	28	21	29	34
41223	NCA9	RES	47		5152	39	33	38	29	31	21	25	30	23	29	34
41229	NCA9	RES	57		5162	39	33	38	29	34	22	26	31	24	31	37
41234	NCA9	RES	58		5163	39	32	38	29	32	20	24	29	22	28	33
41244	NCA9	RES	63		5168	39	33	38	29	32	20	24	29	22	31	36
41251	NCA9	RES	65		5170	39	28	33	24	25	13	17	22	16	30	35
41255	NCA9	RES	66		5171	39	34	40	31	31	19	23	28	21	30	35
41259	NCA9	RES	105	117-199 LUDDENHAM ROAD	5210	39	30	36	27	27	15	19	24	17	34	39
41265	NCA9	RES	106	117-199 LUDDENHAM ROAD	5211	39	31	36	27	27	15	19	24	18	38	43
41276	NCA9	RES	107	117-199 LUDDENHAM ROAD	5212	39	31	36	27	27	15	19	24	17	37	42
41280	NCA9	RES	108	117-199 LUDDENHAM ROAD	5213	39	32	38	29	28	16	20	25	19	38	44
41295	NCA9	RES	109	117-199 LUDDENHAM ROAD	5214	39	31	37	28	27	15	19	24	18	38	43
41300	NCA9	RES	113	117-199 LUDDENHAM ROAD	5218	39	31	37	28	27	16	19	24	18	37	42
41306	NCA9	RES	116	117-199 LUDDENHAM ROAD	5221	39	32	37	28	30	18	22	27	20	39	44
41311	NCA9	RES	118	117-199 LUDDENHAM ROAD	5223	39	31	36	28	27	15	19	24	17	36	42
41315	NCA9	RES	119	117-199 LUDDENHAM ROAD	5224	39	34	39	30	30	18	22	27	20	41	46
41321	NCA9	RES	126	117-199 LUDDENHAM ROAD	5231	39	31	36	27	24	12	16	21	14	37	43
41326	NCA9	RES	128	182-200 LUDDENHAM ROAD	5233	39	33	38	29	30	18	21	26	20	34	39
41333	NCA9	RES	129	182-200 LUDDENHAM ROAD	5234	39	33	38	29	29	18	21	26	20	34	40
41339	NCA9	RES	132	202-210 LUDDENHAM ROAD	5237	39	33	39	30	30	19	22	27	21	34	39
41346	NCA9	RES	133	202-210 LUDDENHAM ROAD	5238	39	29	34	25	33	21	25	30	23	36	41
41351	NCA9	RES	134	202-210 LUDDENHAM ROAD	5239	39	36	41	32	31	20	24	29	22	34	39
41364	NCA9	RES	135	212-214 LUDDENHAM ROAD	5240	39	32	38	29	30	19	22	27	21	34	39
41380	NCA9	RES	137	212-214 LUDDENHAM ROAD	5242	39	36	41	32	33	21	25	30	24	36	41
41404	NCA9	RES	139	212-214 LUDDENHAM ROAD	5244	39	32	38	29	31	19	23	28	21	36	42
41412	NCA9	RES	140	212-214 LUDDENHAM ROAD	5245	39	29	35	26	25	14	17	22	16	33	39
41417	NCA9	RES	142	216 LUDDENHAM ROAD	5247	39	33	39	30	31	19	23	28	21	33	38
41426	NCA9	RES	144	216 LUDDENHAM ROAD	5249	39	34	39	30	31	19	23	28	21	34	39
41437	NCA9	RES	146	216 LUDDENHAM ROAD	5251	39	31	36	27	29	18	22	27	20	36	41
41442	NCA9	RES	173	221-227 LUDDENHAM ROAD	5278	39	35	40	31	30	18	22	27	21	36	41
41445	NCA9	RES	174	221-227 LUDDENHAM ROAD	5279	39	35	40	31	34	22	26	31	24	34	39
41454	NCA9	RES	203	221-227 LUDDENHAM ROAD	5308	39	38	43	34	35	23	27	32	25	36	41
41459	NCA9	RES	209	221-227 LUDDENHAM ROAD	5314	39	35	40	32	32	20	24	29	22	36	41

Predicted Night-time construction noise																	
No.	NCA	Usage	rec	Address	Unique ID	NML	L _{eq} dB(A)										
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16	
41466	NCA9	RES	224	222-224 LUDDENHAM ROAD	5329	39	34	39	30	31	19	23	28	21	33	38	
41478	NCA9	RES	228	222B LUDDENHAM ROAD	5333	39	34	39	30	32	21	25	30	23	36	41	
41486	NCA9	RES	229	226-228 LUDDENHAM ROAD	5334	39	34	39	30	26	19	22	27	21	32	38	
41496	NCA9	RES	230	226-228 LUDDENHAM ROAD	5335	39	34	40	31	31	20	23	28	22	33	39	
41501	NCA9	RES	232	226-228 LUDDENHAM ROAD	5337	39	33	38	29	31	19	23	28	21	33	38	
41506	NCA9	RES	234	229-231 LUDDENHAM ROAD	5339	39	38	44	35	35	24	27	32	26	38	43	
41521	NCA9	RES	243	230-234 LUDDENHAM ROAD	5348	39	37	42	33	34	22	26	31	25	35	41	
41529	NCA9	RES	244	230-234 LUDDENHAM ROAD	5349	39	34	39	30	31	19	23	28	22	32	38	
41536	NCA9	RES	246	233-249 LUDDENHAM ROAD	5351	39	36	41	32	33	21	25	30	23	37	42	
41550	NCA9	RES	252	236-238 LUDDENHAM ROAD	5357	39	37	42	33	34	23	26	31	25	33	38	
41559	NCA9	RES	255	236-238 LUDDENHAM ROAD	5360	39	34	40	31	31	20	23	28	22	33	38	
41564	NCA9	RES	256	240-244 LUDDENHAM ROAD	5361	39	21	26	17	22	10	14	19	12	32	38	
41569	NCA9	RES	259	240-244 LUDDENHAM ROAD	5364	39	31	37	28	27	16	20	25	18	34	39	
41585	NCA9	RES	261	240-244 LUDDENHAM ROAD	5366	39	37	42	34	35	23	27	32	25	35	41	
41591	NCA9	RES	263	246-248 LUDDENHAM ROAD	5368	39	34	39	30	32	20	24	29	22	32	37	
41608	NCA9	RES	264	246-248 LUDDENHAM ROAD	5369	39	35	40	31	32	21	24	29	23	33	38	
41615	NCA9	RES	267	246-248 LUDDENHAM ROAD	5372	39	29	34	25	28	16	20	25	19	33	38	
41621	NCA9	RES	268	250-254 LUDDENHAM ROAD	5373	39	33	39	30	32	20	24	29	22	31	36	
41624	NCA9	RES	269	250-254 LUDDENHAM ROAD	5374	39	34	39	31	32	20	24	29	23	32	37	
41633	NCA9	RES	270	250-254 LUDDENHAM ROAD	5375	39	37	42	33	32	20	24	29	23	34	39	
41647	NCA9	RES	272	250-254 LUDDENHAM ROAD	5377	39	35	40	31	33	21	25	30	23	33	38	
41658	NCA9	RES	274	250-254 LUDDENHAM ROAD	5379	39	34	40	31	35	23	27	32	25	32	37	
41662	NCA9	RES	276	251-261 LUDDENHAM ROAD	5381	39	38	44	35	36	24	28	33	26	35	40	
41667	NCA9	RES	280	251-261 LUDDENHAM ROAD	5385	39	36	42	33	34	22	25	30	24	34	39	
41678	NCA9	RES	281	256 LUDDENHAM ROAD	5386	39	35	40	31	33	21	25	30	23	35	40	
41695	NCA9	RES	282	256 LUDDENHAM ROAD	5387	39	34	40	31	33	21	24	29	23	34	39	
41702	NCA9	RES	283	262-266 LUDDENHAM ROAD	5388	39	35	40	31	33	21	25	30	24	32	37	
41707	NCA9	RES	284	262-266 LUDDENHAM ROAD	5389	39	35	40	31	33	21	25	30	23	31	37	
41712	NCA9	RES	285	262-266 LUDDENHAM ROAD	5390	39	35	41	32	33	21	25	30	24	32	37	
41718	NCA9	RES	289	262-266 LUDDENHAM ROAD	5394	39	35	41	32	33	21	25	30	23	32	38	
41727	NCA9	RES	290	263-273 LUDDENHAM ROAD	5395	39	36	41	32	34	22	26	31	25	36	41	
41730	NCA9	RES	292	268-288 LUDDENHAM ROAD	5397	39	36	41	32	34	22	26	31	25	32	37	
41735	NCA9	RES	293	275-285 LUDDENHAM ROAD	5398	39	37	43	34	35	23	27	32	25	35	40	
41740	NCA9	RES	297	275-285 LUDDENHAM ROAD	5402	39	35	41	32	33	22	26	31	24	35	40	
41753	NCA9	RES	298	275-285 LUDDENHAM ROAD	5403	39	39	44	35	34	23	27	32	25	34	39	
41761	NCA9	RES	299	275A LUDDENHAM ROAD	5404	39	37	43	34	35	23	27	32	25	35	40	
41777	NCA9	RES	302	275A LUDDENHAM ROAD	5407	39	38	43	34	37	25	29	34	27	36	41	
41794	NCA9	RES	303	287 LUDDENHAM ROAD	5408	39	37	43	34	36	24	27	32	26	36	41	
41798	NCA9	RES	305	287 LUDDENHAM ROAD	5410	39	37	43	34	38	26	30	35	28	34	39	
41818	NCA9	RES	307	289-317 LUDDENHAM ROAD	5412	39	39	44	35	36	24	28	33	27	36	41	
41830	NCA9	RES	308	289-317 LUDDENHAM ROAD	5413	39	41	46	37	36	24	28	33	27	35	40	

Predicted Night-time construction noise																
No.	NCA	Usage	rec	Address	Unique ID	NML	L _{eq} dB(A)									
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
41841	NCA9	RES	309	31-39 LUDDENHAM ROAD	5414	39	24	30	21	21	10	14	19	12	26	31
41846	NCA9	RES	312	319-325 LUDDENHAM ROAD	5417	39	43	48	39	39	27	30	35	29	38	43
41851	NCA9	RES	313	319-325 LUDDENHAM ROAD	5418	39	39	45	36	38	26	30	35	28	36	41
41861	NCA9	RES	314	319-325 LUDDENHAM ROAD	5419	39	43	48	39	41	29	33	38	31	37	42
41867	NCA9	RES	315	319-325 LUDDENHAM ROAD	5420	39	41	46	37	40	29	33	38	31	37	42
41875	NCA9	RES	317	319-325 LUDDENHAM ROAD	5422	39	39	44	35	38	26	30	35	28	35	41
41887	NCA9	RES	319	320-326 LUDDENHAM ROAD	5424	39	38	43	34	38	26	29	34	28	32	37
40923	NCA9	RES	321	327-329 LUDDENHAM ROAD	5426	39	55	60	51	41	30	34	39	32	54	60
41903	NCA9	RES	322	43A LUDDENHAM ROAD	5427	39	28	33	25	26	14	18	23	16	31	36
41910	NCA9	RES	323	43A LUDDENHAM ROAD	5428	39	29	34	25	25	13	17	22	15	34	39
41913	NCA9	RES	325	43A LUDDENHAM ROAD	5430	39	29	34	25	25	13	17	22	16	35	41
41923	NCA9	RES	328	43A LUDDENHAM ROAD	5433	39	32	37	28	28	16	20	25	18	38	43
41932	NCA9	RES	331	43A LUDDENHAM ROAD	5436	39	29	34	25	25	13	17	22	16	35	41
41940	NCA9	RES	343	573-577 MAMRE ROAD	5448	39	30	35	26	29	17	21	26	19	26	31
41951	NCA9	RES	344	573-577 MAMRE ROAD	5449	39	27	33	24	27	15	19	24	17	24	29
41960	NCA9	RES	346	43466 MANDALONG CLOSE	5451	39	27	32	23	25	13	17	22	16	26	32
41980	NCA9	RES	348	21A MANDALONG CLOSE	5453	39	29	35	26	28	17	20	25	19	26	32
42000	NCA9	RES	349	21A MANDALONG CLOSE	5454	39	27	32	23	26	14	18	23	17	24	29
42005	NCA9	RES	351	25-31 MANDALONG CLOSE	5456	39	27	32	24	26	14	18	23	16	25	30
42013	NCA9	RES	353	25-31 MANDALONG CLOSE	5458	39	27	32	24	26	14	18	23	16	25	30
42037	NCA9	RES	354	25-31 MANDALONG CLOSE	5459	39	30	35	26	28	16	20	25	19	27	33
42047	NCA9	RES	355	33-41 MANDALONG CLOSE	5460	39	27	33	24	26	14	18	23	16	25	31
42061	NCA9	RES	356	33-41 MANDALONG CLOSE	5461	39	30	35	26	28	17	20	25	19	27	32
42079	NCA9	RES	357	33-41 MANDALONG CLOSE	5462	39	28	33	24	26	14	18	23	17	26	31
42089	NCA9	RES	360	43-51 MANDALONG CLOSE	5465	39	28	33	25	27	15	19	24	17	26	32
42092	NCA9	RES	361	43-51 MANDALONG CLOSE	5466	39	21	26	17	19	7	11	16	10	27	32
42096	NCA9	RES	362	43-51 MANDALONG CLOSE	5467	39	28	33	24	26	15	18	23	17	26	31
42108	NCA9	RES	363	43-51 MANDALONG CLOSE	5468	39	30	36	27	29	17	21	26	19	27	33
42137	NCA9	RES	364	53-63 MANDALONG CLOSE	5469	39	28	34	25	27	15	19	24	17	27	32
42140	NCA9	RES	366	53-63 MANDALONG CLOSE	5471	39	25	30	21	26	15	18	23	17	25	30
42161	NCA9	RES	367	53-63 MANDALONG CLOSE	5472	39	31	36	27	29	18	21	26	20	29	34
42181	NCA9	RES	368	53-63 MANDALONG CLOSE	5473	39	31	36	27	29	17	21	26	20	29	35
42193	NCA9	RES	370	65-73 MANDALONG CLOSE	5475	39	29	34	26	28	16	20	25	18	27	33
42205	NCA9	RES	373	65-73 MANDALONG CLOSE	5478	39	29	35	26	30	18	22	27	20	30	35
42220	NCA9	RES	374	65-73 MANDALONG CLOSE	5479	39	30	35	26	28	16	20	25	18	28	33
42236	NCA9	RES	375	65-73 MANDALONG CLOSE	5480	39	30	35	26	30	19	22	27	21	28	33
42250	NCA9	RES	376	75-77 MANDALONG CLOSE	5481	39	32	37	28	31	19	23	28	21	31	36
42265	NCA9	RES	377	79-81 MANDALONG CLOSE	5482	39	30	35	26	28	16	20	25	18	30	35
42281	NCA9	RES	380	79-81 MANDALONG CLOSE	5485	39	32	38	29	30	19	22	27	21	32	37
42287	NCA9	RES	381	79-81 MANDALONG CLOSE	5486	39	32	38	29	30	19	22	27	21	29	34
42296	NCA9	RES	382	79-81 MANDALONG CLOSE	5487	39	30	36	27	28	16	20	25	18	29	35

Predicted Night-time construction noise																
No.	NCA	Usage	rec	Address	Unique ID	NML	L _{eq} dB(A)									
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
42300	NCA9	RES	384	79-81 MANDALONG CLOSE	5489	39	30	35	26	28	16	20	25	18	29	34
42318	NCA9	RES	385	79-81 MANDALONG CLOSE	5490	39	29	35	26	27	16	19	24	18	28	34
42326	NCA9	RES	386	79-81 MANDALONG CLOSE	5491	39	30	35	26	28	16	20	25	18	30	35
42331	NCA9	RES	387	79-81 MANDALONG CLOSE	5492	39	30	35	26	28	16	20	25	18	29	34
42347	NCA9	RES	392	83-91 MANDALONG CLOSE	5497	39	29	34	26	27	15	19	24	18	29	35
42367	NCA9	RES	393	83-91 MANDALONG CLOSE	5498	39	31	37	28	29	17	21	26	20	28	34
42386	NCA9	RES	396	83-91 MANDALONG CLOSE	5501	39	29	34	25	27	15	19	24	17	28	33
42390	NCA9	RES	398	83-91 MANDALONG CLOSE	5503	39	29	34	25	14	3	7	12	5	31	36
42396	NCA9	RES	755	2042-2550 THE NORTHERN ROAD	6271	39	30	36	27	26	15	19	24	17	25	30
42412	NCA9	RES	756	2042-2550 THE NORTHERN ROAD	6272	39	31	36	27	27	16	20	25	18	24	30
42415	NCA9	RES	761	2042-2550 THE NORTHERN ROAD	6277	39	30	36	27	26	16	19	24	18	24	29
42428	NCA9	RES	762	2042-2550 THE NORTHERN ROAD	6278	39	30	35	26	26	15	19	24	17	23	28
42429	NCA9	RES	763	2042-2550 THE NORTHERN ROAD	6279	39	31	36	28	27	16	20	25	18	25	30
42443	NCA9	RES	766	2042-2550 THE NORTHERN ROAD	6282	39	30	36	27	26	15	19	24	17	24	29
42447	NCA9	RES	767	2042-2550 THE NORTHERN ROAD	6283	39	30	36	27	26	15	19	24	17	24	29
42460	NCA9	RES	769	2042-2550 THE NORTHERN ROAD	6285	39	30	36	27	26	17	20	25	19	24	29
42476	NCA9	RES	772	2042-2550 THE NORTHERN ROAD	6288	39	32	37	28	27	18	22	27	20	26	31
42496	NCA9	RES	774	2042-2550 THE NORTHERN ROAD	6290	39	29	34	25	25	14	18	23	16	22	27
44920	NCA10	RES	16	1669A ELIZABETH DRIVE	16	35	21	27	18	26	14	18	23	17	23	28
44935	NCA10	RES	26	1669A ELIZABETH DRIVE	26	35	24	29	20	28	17	20	25	19	23	28
44940	NCA10	RES	52	1783-1789 ELIZABETH DRIVE	52	35	19	24	15	23	12	15	20	14	21	27
44950	NCA10	RES	81	1953-2109 ELIZABETH DRIVE	81	35	22	27	18	25	14	18	23	16	25	30
44958	NCA10	RES	82	1953-2109 ELIZABETH DRIVE	82	35	21	27	18	26	15	19	24	17	25	31
44966	NCA10	RES	88	1953-2109 ELIZABETH DRIVE	88	35	25	30	21	29	18	22	27	20	29	34
44980	NCA10	RES	97	707A MAMRE ROAD	97	35	32	38	29	34	22	26	31	24	27	32
44996	NCA10	RES	99	707A MAMRE ROAD	99	35	33	38	29	34	22	26	31	25	26	31
45026	NCA10	RES	104	3 BRIDPORT PLACE	104	35	30	35	27	36	25	29	34	27	36	42
45028	NCA10	RES	105	4 BRIDPORT PLACE	105	35	34	39	30	40	29	32	37	31	37	43
45035	NCA10	RES	106	4 BRIDPORT PLACE	106	35	31	37	28	40	29	32	37	31	37	42
45070	NCA10	RES	107	10 COMARGO LANE	107	35	42	47	38	42	30	33	38	32	35	40
45085	NCA10	RES	108	2 COMARGO LANE	108	35	38	43	34	40	28	32	37	30	31	37
45101	NCA10	RES	109	2 COMARGO LANE	109	35	41	46	37	43	31	35	40	33	35	40
45125	NCA10	RES	111	4 COMARGO LANE	111	35	41	46	37	41	29	32	37	31	35	40
45138	NCA10	RES	112	6 COMARGO LANE	112	35	39	44	35	44	31	35	40	33	33	38
45151	NCA10	RES	113	8 COMARGO LANE	113	35	39	44	35	41	29	32	37	31	33	38
45165	NCA10	RES	114	2 CRYSTAL DOWNS CLOSE	114	35	36	41	32	42	30	33	38	32	29	34
45179	NCA10	RES	115	3 CRYSTAL DOWNS CLOSE	115	35	36	41	32	41	29	33	38	32	31	36
45206	NCA10	RES	116	4 CRYSTAL DOWNS CLOSE	116	35	36	41	32	43	29	33	38	31	33	38
45215	NCA10	RES	118	5 CRYSTAL DOWNS CLOSE	118	35	35	41	32	43	31	35	40	34	31	36
45238	NCA10	RES	119	6 CRYSTAL DOWNS CLOSE	119	35	38	43	34	44	31	35	40	34	31	37
45264	NCA10	RES	120	7 CRYSTAL DOWNS CLOSE	120	35	38	43	34	43	31	35	40	33	31	37

Predicted Night-time construction noise																
No.	NCA	Usage	rec	Address	Unique ID	NML	L _{eq} dB(A)									
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
45275	NCA10	RES	121	8 CRYSTAL DOWNS CLOSE	121	35	36	41	32	43	31	35	40	33	30	36
45288	NCA10	RES	122	10 DORAL GROVE	122	35	38	43	35	45	33	36	41	35	32	37
45306	NCA10	RES	125	11 DORAL GROVE	125	35	37	42	33	42	30	34	39	32	30	36
45312	NCA10	RES	126	3 DORAL GROVE	126	35	38	43	34	45	33	37	42	35	32	37
45335	NCA10	RES	127	4 DORAL GROVE	127	35	36	41	32	45	33	37	42	35	32	37
45354	NCA10	RES	128	5 DORAL GROVE	128	35	38	44	35	45	33	37	42	35	33	38
45365	NCA10	RES	129	6 DORAL GROVE	129	35	36	42	33	43	31	35	40	33	31	36
45385	NCA10	RES	131	7 DORAL GROVE	131	35	36	42	33	43	31	35	40	33	31	36
45405	NCA10	RES	132	8 DORAL GROVE	132	35	36	41	32	43	30	34	39	33	31	36
45419	NCA10	RES	133	9 DORAL GROVE	133	35	37	42	33	43	32	36	41	34	32	38
45443	NCA10	RES	137	2111-2141 ELIZABETH DRIVE	137	35	22	27	18	25	14	18	23	16	24	29
45460	NCA10	RES	146	10 FARMINGDALE COURT	146	35	30	35	26	36	25	28	33	27	33	38
45480	NCA10	RES	148	11 FARMINGDALE COURT	148	35	28	34	25	34	23	27	32	25	34	39
45506	NCA10	RES	149	12 FARMINGDALE COURT	149	35	33	38	29	39	27	31	36	29	37	42
45538	NCA10	RES	150	14 FARMINGDALE COURT	150	35	34	39	30	40	29	32	37	31	39	44
45563	NCA10	RES	151	14 FARMINGDALE COURT	151	35	30	35	27	36	25	29	34	27	37	42
45591	NCA10	RES	152	16 FARMINGDALE COURT	152	35	29	34	25	37	26	30	35	28	36	41
45599	NCA10	RES	153	17 FARMINGDALE COURT	153	35	32	37	28	37	26	30	35	28	34	39
45618	NCA10	RES	154	17 FARMINGDALE COURT	154	35	24	29	20	34	22	26	31	25	32	38
45622	NCA10	RES	155	18 FARMINGDALE COURT	155	35	30	35	26	35	24	28	33	26	34	39
45635	NCA10	RES	156	18 FARMINGDALE COURT	156	35	32	38	29	38	27	30	35	29	36	42
45645	NCA10	RES	157	2 FARMINGDALE COURT	157	35	33	38	29	38	27	31	36	29	35	41
45667	NCA10	RES	159	22 FARMINGDALE COURT	159	35	32	37	28	37	26	30	35	28	35	41
45710	NCA10	RES	160	5 FARMINGDALE COURT	160	35	32	37	28	37	26	30	35	28	35	40
45732	NCA10	RES	161	6 FARMINGDALE COURT	161	35	32	38	29	38	27	30	35	29	34	40
45747	NCA10	RES	162	6 FARMINGDALE COURT	162	35	25	30	21	36	25	28	33	27	35	40
45769	NCA10	RES	163	7 FARMINGDALE COURT	163	35	32	37	28	37	26	30	35	28	34	40
45789	NCA10	RES	165	7 FARMINGDALE COURT	165	35	29	35	26	35	23	27	32	26	32	37
45794	NCA10	RES	166	8 FARMINGDALE COURT	166	35	32	37	28	38	27	30	35	29	34	39
45822	NCA10	RES	167	9 FARMINGDALE COURT	167	35	29	34	26	35	23	27	32	25	31	37
45845	NCA10	RES	169	10 GANTON WAY	169	35	31	36	27	38	25	29	34	27	33	38
45880	NCA10	RES	170	12 GANTON WAY	170	35	33	38	29	39	27	31	36	30	33	38
45898	NCA10	RES	171	16 GANTON WAY	171	35	32	38	29	38	27	30	35	29	33	38
45938	NCA10	RES	172	18 GANTON WAY	172	35	32	38	29	38	27	30	35	29	33	39
45970	NCA10	RES	174	2 GANTON WAY	174	35	33	39	30	39	28	31	36	30	30	35
45989	NCA10	RES	176	4 GANTON WAY	176	35	33	38	30	39	27	31	36	30	31	36
46002	NCA10	RES	177	6 GANTON WAY	177	35	33	39	30	39	28	32	37	30	33	38
46030	NCA10	RES	178	6 GANTON WAY	178	35	31	36	27	39	28	32	37	30	33	38
46039	NCA10	RES	179	8 GANTON WAY	179	35	31	36	27	36	25	29	34	27	33	38
46052	NCA10	RES	180	10 HALMSTAD BOULEVARD	180	35	32	37	28	39	28	32	37	30	33	38
46065	NCA10	RES	181	10 HALMSTAD BOULEVARD	181	35	35	40	32	42	30	34	39	33	33	38

Predicted Night-time construction noise																
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							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
46076	NCA10	RES	182	10 HALMSTAD BOULEVARD	182	35	33	38	29	40	28	32	37	30	32	37
46082	NCA10	RES	184	11 HALMSTAD BOULEVARD	184	35	36	41	33	43	32	36	41	34	36	41
46105	NCA10	RES	185	11 HALMSTAD BOULEVARD	185	35	34	39	30	41	30	33	38	32	34	39
46111	NCA10	RES	186	12 HALMSTAD BOULEVARD	186	35	33	38	29	41	30	33	38	32	33	38
46125	NCA10	RES	187	12 HALMSTAD BOULEVARD	187	35	35	40	31	42	30	34	39	32	36	41
46136	NCA10	RES	188	13 HALMSTAD BOULEVARD	188	35	36	41	32	43	31	35	40	34	35	40
46141	NCA10	RES	189	13 HALMSTAD BOULEVARD	189	35	36	41	32	43	31	35	40	34	35	40
46158	NCA10	RES	190	14 HALMSTAD BOULEVARD	190	35	32	38	29	39	28	31	36	30	34	39
46178	NCA10	RES	191	14 HALMSTAD BOULEVARD	191	35	31	36	27	38	27	31	36	29	33	38
46201	NCA10	RES	192	15 HALMSTAD BOULEVARD	192	35	33	39	30	41	30	34	39	32	36	42
46204	NCA10	RES	193	15 HALMSTAD BOULEVARD	193	35	33	38	30	40	29	33	38	31	34	40
46214	NCA10	RES	194	17 HALMSTAD BOULEVARD	194	35	33	38	29	42	31	34	39	33	37	42
46236	NCA10	RES	195	19 HALMSTAD BOULEVARD	195	35	33	38	29	39	28	32	37	30	37	42
46252	NCA10	RES	196	19 HALMSTAD BOULEVARD	196	35	33	38	29	39	28	32	37	30	35	40
46255	NCA10	RES	197	20 HALMSTAD BOULEVARD	197	35	32	37	28	38	26	30	35	29	36	41
46260	NCA10	RES	198	20 HALMSTAD BOULEVARD	198	35	32	37	28	38	26	30	35	29	33	38
46272	NCA10	RES	199	20 HALMSTAD BOULEVARD	199	35	34	39	31	40	29	33	38	31	36	42
46296	NCA10	RES	200	22 HALMSTAD BOULEVARD	200	35	31	36	28	40	26	30	35	28	34	39
46323	NCA10	RES	201	23 HALMSTAD BOULEVARD	201	35	35	40	31	41	31	35	40	33	37	42
46329	NCA10	RES	203	24 HALMSTAD BOULEVARD	203	35	31	36	27	37	26	29	34	28	32	37
46354	NCA10	RES	204	24 HALMSTAD BOULEVARD	204	35	32	38	29	40	29	33	38	31	36	41
46355	NCA10	RES	205	25 HALMSTAD BOULEVARD	205	35	32	37	28	38	27	31	36	29	35	40
46375	NCA10	RES	206	25 HALMSTAD BOULEVARD	206	35	33	38	30	41	29	33	38	32	37	42
46393	NCA10	RES	207	26 HALMSTAD BOULEVARD	207	35	31	36	27	37	25	29	34	27	32	38
46401	NCA10	RES	208	26 HALMSTAD BOULEVARD	208	35	29	35	26	39	28	31	36	30	35	40
46420	NCA10	RES	209	27 HALMSTAD BOULEVARD	209	35	32	37	28	40	29	33	38	31	36	42
46429	NCA10	RES	211	28 HALMSTAD BOULEVARD	211	35	32	37	28	38	27	30	35	29	35	40
46447	NCA10	RES	212	28 HALMSTAD BOULEVARD	212	35	31	36	27	36	25	29	34	27	31	36
46454	NCA10	RES	213	3 HALMSTAD BOULEVARD	213	35	37	42	33	44	33	36	41	35	36	41
46475	NCA10	RES	214	39 HALMSTAD BOULEVARD	214	35	32	38	29	38	26	30	35	29	34	39
46487	NCA10	RES	215	4 HALMSTAD BOULEVARD	215	35	36	41	32	44	32	36	41	34	35	40
46521	NCA10	RES	216	4 HALMSTAD BOULEVARD	216	35	36	41	32	43	31	35	40	33	32	37
46529	NCA10	RES	218	5 HALMSTAD BOULEVARD	218	35	34	40	31	44	33	36	41	35	36	41
46553	NCA10	RES	219	7 HALMSTAD BOULEVARD	219	35	37	42	33	44	32	36	41	35	34	40
46572	NCA10	RES	220	8 HALMSTAD BOULEVARD	220	35	36	41	32	43	31	35	40	33	35	40
46579	NCA10	RES	221	8 HALMSTAD BOULEVARD	221	35	36	41	32	42	31	34	39	33	35	40
46586	NCA10	RES	222	8 HALMSTAD BOULEVARD	222	35	33	38	30	40	29	32	37	31	35	40
46614	NCA10	RES	223	1 HUMWOOD PLACE	223	35	34	40	31	40	29	33	38	31	33	38
46616	NCA10	RES	224	10 HUMWOOD PLACE	224	35	31	36	27	39	27	31	36	30	33	38
46626	NCA10	RES	225	10 HUMWOOD PLACE	225	35	34	39	30	41	30	34	39	32	34	39
46651	NCA10	RES	228	11 HUMWOOD PLACE	228	35	34	39	30	40	28	32	37	31	34	40

Predicted Night-time construction noise																
No.	NCA	Usage	rec	Address	Unique ID	NML	L _{eq} dB(A)									
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46666	NCA10	RES	229	11 HUMEWOOD PLACE	229	35	31	36	27	37	26	29	34	28	31	36
46670	NCA10	RES	230	12 HUMEWOOD PLACE	230	35	34	39	31	41	29	33	38	32	35	40
46692	NCA10	RES	231	14 HUMEWOOD PLACE	231	35	34	40	31	40	29	33	38	31	33	38
46716	NCA10	RES	232	15 HUMEWOOD PLACE	232	35	31	36	27	38	26	30	35	29	34	39
46736	NCA10	RES	233	2 HUMEWOOD PLACE	233	35	30	35	27	38	27	31	36	29	33	38
46743	NCA10	RES	234	2 HUMEWOOD PLACE	234	35	31	36	27	40	29	32	37	31	31	36
46751	NCA10	RES	235	2 HUMEWOOD PLACE	235	35	32	38	29	39	27	31	36	30	32	37
46778	NCA10	RES	236	2 HUMEWOOD PLACE	236	35	30	35	26	38	26	30	35	29	31	36
46784	NCA10	RES	237	22 HUMEWOOD PLACE	237	35	31	36	27	37	25	29	34	28	32	37
46801	NCA10	RES	239	22 HUMEWOOD PLACE	239	35	31	36	27	39	28	32	37	30	33	39
46829	NCA10	RES	240	24 HUMEWOOD PLACE	240	35	33	38	29	39	27	31	36	30	32	37
46832	NCA10	RES	241	24 HUMEWOOD PLACE	241	35	30	36	27	36	25	29	34	27	32	37
46835	NCA10	RES	242	3 HUMEWOOD PLACE	242	35	31	37	28	38	26	30	35	28	29	35
46852	NCA10	RES	243	3 HUMEWOOD PLACE	243	35	34	39	31	40	26	30	35	29	31	36
46879	NCA10	RES	244	4 HUMEWOOD PLACE	244	35	32	38	29	39	27	31	36	29	32	37
46883	NCA10	RES	246	5 HUMEWOOD PLACE	246	35	26	31	22	38	26	30	35	29	33	38
46892	NCA10	RES	247	5 HUMEWOOD PLACE	247	35	32	37	28	38	26	30	35	29	34	39
46905	NCA10	RES	249	5 HUMEWOOD PLACE	249	35	31	36	27	37	26	30	35	28	33	38
46926	NCA10	RES	250	6 HUMEWOOD PLACE	250	35	35	40	31	41	30	33	38	32	32	37
46940	NCA10	RES	252	7 HUMEWOOD PLACE	252	35	31	37	28	38	26	30	35	28	31	36
46951	NCA10	RES	253	7 HUMEWOOD PLACE	253	35	32	37	28	38	27	30	35	29	34	39
46979	NCA10	RES	254	9 HUMEWOOD PLACE	254	35	34	39	30	40	29	33	38	31	32	37
46986	NCA10	RES	256	9 HUMEWOOD PLACE	256	35	33	39	30	40	29	32	37	31	32	37
46994	NCA10	RES	258	336-348 LUDDENHAM ROAD	258	35	39	44	35	39	27	31	36	29	32	37
47000	NCA10	RES	265	339-363 LUDDENHAM ROAD	265	35	40	45	36	40	28	32	37	30	34	39
47005	NCA10	RES	275	405-423 LUDDENHAM ROAD	275	35	46	51	42	46	33	37	42	36	39	45
47015	NCA10	RES	279	425-441 LUDDENHAM ROAD	279	35	43	48	39	51	37	41	46	40	37	42
47023	NCA10	RES	288	425A LUDDENHAM ROAD	288	35	46	51	43	54	41	45	50	43	39	45
47046	NCA10	RES	292	443-457 LUDDENHAM ROAD	292	35	51	56	48	57	44	48	53	46	44	50
47060	NCA10	RES	297	581 LUDDENHAM ROAD	297	35	47	53	44	59	56	60	65	58	45	50
47067	NCA10	RES	302	611-639 LUDDENHAM ROAD	302	35	37	42	33	43	32	35	40	34	47	52
47073	NCA10	RES	304	611A LUDDENHAM ROAD	304	35	36	41	32	41	30	34	39	32	44	49
47077	NCA10	RES	308	641-675 LUDDENHAM ROAD	308	35	33	38	29	36	25	29	34	28	36	41
47101	NCA10	RES	311	644-652 LUDDENHAM ROAD	311	35	35	40	32	41	30	34	39	32	49	54
47107	NCA10	RES	314	654-658 LUDDENHAM ROAD	314	35	34	40	31	41	30	33	38	32	46	52
47112	NCA10	RES	319	660-670 LUDDENHAM ROAD	319	35	33	38	30	38	27	31	36	29	41	46
47118	NCA10	RES	321	672-686 LUDDENHAM ROAD	321	35	32	37	28	37	26	30	35	28	39	45
47137	NCA10	RES	324	672-686 LUDDENHAM ROAD	324	35	33	38	29	39	28	32	37	30	41	46
47167	NCA10	RES	329	677-691 LUDDENHAM ROAD	329	35	33	38	29	37	26	29	34	28	40	45
47183	NCA10	RES	334	688-708 LUDDENHAM ROAD	334	35	34	39	31	39	28	31	36	30	40	46
47196	NCA10	RES	335	688-708 LUDDENHAM ROAD	335	35	31	36	27	35	24	28	33	26	36	42

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47202	NCA10	RES	336	688-708 LUDDENHAM ROAD	336	35	31	37	28	36	25	29	34	27	38	43
47210	NCA10	RES	337	688-708 LUDDENHAM ROAD	337	35	32	37	28	36	25	29	34	27	37	42
47237	NCA10	RES	342	693-711 LUDDENHAM ROAD	342	35	32	37	29	34	23	27	32	25	32	37
47242	NCA10	RES	345	2179 ELIZABETH DRIVE	345	35	34	39	30	26	15	18	23	17	24	29
47243	NCA10	RES	345	693-711 LUDDENHAM ROAD	5861	35	23	29	20	34	23	27	32	26	33	39
47272	NCA10	RES	349	710-732 LUDDENHAM ROAD	349	35	30	35	26	33	22	26	31	24	34	39
47276	NCA10	RES	350	2179A ELIZABETH DRIVE	5866	35	23	29	20	25	14	17	22	16	21	27
47286	NCA10	RES	351	710-732 LUDDENHAM ROAD	351	35	29	35	26	33	22	26	31	24	33	38
47299	NCA10	RES	352	713-733 LUDDENHAM ROAD	352	35	32	37	28	35	24	28	33	26	34	40
47307	NCA10	RES	354	2207-2223 ELIZABETH DRIVE	5870	35	19	25	16	22	11	14	19	13	19	24
47313	NCA10	RES	355	734 LUDDENHAM ROAD	355	35	30	35	26	35	24	28	33	26	35	41
47315	NCA10	RES	355	2207-2223 ELIZABETH DRIVE	5871	35	20	26	17	22	11	15	20	13	20	25
47343	NCA10	RES	357	2207-2223 ELIZABETH DRIVE	5873	35	19	25	16	22	11	14	19	13	19	24
47350	NCA10	RES	358	2207-2223 ELIZABETH DRIVE	5874	35	20	25	16	22	11	15	20	13	20	25
47356	NCA10	RES	359	734-750 LUDDENHAM ROAD	359	35	31	36	27	34	23	27	32	26	32	38
47371	NCA10	RES	361	2225-2239 ELIZABETH DRIVE	5877	35	22	27	19	24	13	17	22	15	22	27
47390	NCA10	RES	363	2225-2239 ELIZABETH DRIVE	5879	35	22	27	18	24	13	17	22	15	22	27
47400	NCA10	RES	367	752-810 LUDDENHAM ROAD	367	35	27	32	23	32	21	24	29	23	31	36
47405	NCA10	RES	377	752-810 LUDDENHAM ROAD	377	35	29	34	25	32	21	25	30	23	31	37
47413	NCA10	RES	379	2510-2550 ELIZABETH DRIVE	5895	35	19	24	15	21	10	13	18	12	19	24
47447	NCA10	RES	384	812-844 LUDDENHAM ROAD	384	35	26	31	22	29	18	22	27	20	28	33
47454	NCA10	RES	385	812-844 LUDDENHAM ROAD	385	35	26	31	22	29	18	22	27	20	28	33
47490	NCA10	RES	386	812-844 LUDDENHAM ROAD	386	35	21	27	18	25	14	18	23	16	25	31
47499	NCA10	RES	390	2600 ELIZABETH DRIVE	5906	35	19	24	15	20	8	12	17	11	18	23
47500	NCA10	RES	392	2600 ELIZABETH DRIVE	5908	35	18	23	14	20	9	12	17	11	17	22
47506	NCA10	RES	394	2600 ELIZABETH DRIVE	5910	35	0	0	0	19	8	12	17	10	17	22
47535	NCA10	RES	395	765 LUDDENHAM ROAD	5911	35	27	32	23	30	18	22	27	21	28	33
47541	NCA10	RES	398	765 LUDDENHAM ROAD	5914	35	29	34	25	29	18	22	27	20	30	35
47553	NCA10	RES	399	765 LUDDENHAM ROAD	5915	35	27	32	23	29	18	22	27	20	30	35
47561	NCA10	RES	407	777-819 LUDDENHAM ROAD	5923	35	24	29	20	28	16	20	25	19	26	32
47576	NCA10	RES	409	821 LUDDENHAM ROAD	5925	35	23	28	19	28	17	21	26	19	27	32
47588	NCA10	RES	421	851-867 LUDDENHAM ROAD	5937	35	25	31	22	28	17	21	26	19	26	32
47595	NCA10	RES	422	869-885 LUDDENHAM ROAD	5938	35	22	27	18	24	13	17	22	15	23	28
47601	NCA10	RES	424	869-885 LUDDENHAM ROAD	5940	35	21	27	18	24	13	17	22	15	22	27
47612	NCA10	RES	429	869-885 LUDDENHAM ROAD	5945	35	22	27	18	24	13	17	22	15	22	28
47628	NCA10	RES	430	892 LUDDENHAM ROAD	430	35	24	29	20	26	15	19	24	17	24	30
47648	NCA10	RES	432	869-885 LUDDENHAM ROAD	5948	35	23	29	20	27	16	19	24	18	24	29
47660	NCA10	RES	435	869A LUDDENHAM ROAD	5951	35	21	26	17	24	13	16	21	15	22	27
47662	NCA10	RES	437	892B LUDDENHAM ROAD	437	35	20	26	17	23	12	16	21	14	22	27
47675	NCA10	RES	438	1 MEDINAH AVENUE	438	35	37	42	34	41	29	33	38	31	31	36
47696	NCA10	RES	439	1 MEDINAH AVENUE	439	35	35	40	31	39	27	30	35	29	28	33

Predicted Night-time construction noise																
No.	NCA	Usage	rec	Address	Unique ID	NML	L _{eq} dB(A)									
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
47700	NCA10	RES	440	1 MEDINAH AVENUE	440	35	35	40	31	39	27	30	35	29	28	33
47723	NCA10	RES	441	11 MEDINAH AVENUE	441	35	36	41	32	38	26	29	34	28	29	34
47728	NCA10	RES	442	11 MEDINAH AVENUE	442	35	31	36	27	34	22	26	31	24	25	30
47739	NCA10	RES	444	12 MEDINAH AVENUE	444	35	35	40	31	38	26	30	35	28	29	34
47755	NCA10	RES	445	13 MEDINAH AVENUE	445	35	35	41	32	37	25	29	34	27	29	34
47771	NCA10	RES	447	14 MEDINAH AVENUE	447	35	33	38	29	38	26	30	35	28	28	33
47797	NCA10	RES	448	15 MEDINAH AVENUE	448	35	33	38	29	37	25	29	34	27	26	31
47814	NCA10	RES	450	16 MEDINAH AVENUE	450	35	35	41	32	25	14	18	23	16	29	34
47815	NCA10	RES	450	889 LUDDENHAM ROAD	5966	35	23	28	19	40	28	32	37	30	24	29
47842	NCA10	RES	451	17 MEDINAH AVENUE	451	35	29	34	25	37	25	28	33	27	25	30
47852	NCA10	RES	452	17 MEDINAH AVENUE	452	35	32	38	29	37	25	29	34	27	26	31
47864	NCA10	RES	452	889 LUDDENHAM ROAD	5968	35	23	28	20	26	15	19	24	17	24	29
47878	NCA10	RES	453	19 MEDINAH AVENUE	453	35	35	40	31	39	27	31	36	30	28	33
47895	NCA10	RES	454	1A MEDINAH AVENUE	454	35	37	43	34	42	30	33	38	32	31	36
47923	NCA10	RES	455	2 MEDINAH AVENUE	455	35	37	43	34	40	28	31	36	30	31	36
47946	NCA10	RES	456	21 MEDINAH AVENUE	456	35	32	37	29	37	25	29	34	27	25	31
47960	NCA10	RES	457	23 MEDINAH AVENUE	457	35	32	37	28	37	25	29	34	27	25	31
47978	NCA10	RES	458	24 MEDINAH AVENUE	458	35	33	38	29	40	28	32	37	31	29	34
47998	NCA10	RES	459	25 MEDINAH AVENUE	459	35	32	37	28	37	25	29	34	27	25	30
48020	NCA10	RES	460	25 MEDINAH AVENUE	460	35	32	37	28	36	25	28	33	27	25	30
48032	NCA10	RES	461	26 MEDINAH AVENUE	461	35	35	40	31	40	28	32	37	30	28	34
48053	NCA10	RES	462	26 MEDINAH AVENUE	462	35	32	38	29	38	26	29	34	28	26	31
48060	NCA10	RES	463	27 MEDINAH AVENUE	463	35	32	37	28	37	25	29	34	27	25	30
48098	NCA10	RES	464	29 MEDINAH AVENUE	464	35	34	40	31	39	27	31	36	30	28	33
48125	NCA10	RES	466	3 MEDINAH AVENUE	466	35	34	40	31	39	27	30	35	29	28	33
48135	NCA10	RES	467	31 MEDINAH AVENUE	467	35	32	37	28	37	25	29	34	27	25	31
48155	NCA10	RES	468	4 MEDINAH AVENUE	468	35	34	39	30	39	27	31	36	29	28	33
48160	NCA10	RES	469	4 MEDINAH AVENUE	469	35	37	43	34	39	27	31	36	29	31	36
48173	NCA10	RES	470	5 MEDINAH AVENUE	470	35	34	39	31	38	26	30	35	29	28	33
48197	NCA10	RES	471	6 MEDINAH AVENUE	471	35	37	42	33	41	29	33	38	31	30	36
48209	NCA10	RES	473	7 MEDINAH AVENUE	473	35	36	42	33	40	28	32	37	31	30	35
48248	NCA10	RES	474	8 MEDINAH AVENUE	474	35	37	42	33	41	30	34	39	32	30	36
48254	NCA10	RES	475	9 MEDINAH AVENUE	475	35	33	38	30	37	25	29	34	27	27	32
48260	NCA10	RES	476	9 MEDINAH AVENUE	476	35	33	39	30	38	26	30	35	28	27	32
48282	NCA10	RES	477	10 PENNARD CRESCENT	477	35	34	39	30	41	30	34	39	32	30	36
48291	NCA10	RES	478	10 PENNARD CRESCENT	478	35	36	42	33	43	31	35	40	33	30	36
48306	NCA10	RES	480	11 PENNARD CRESCENT	480	35	34	39	30	41	29	33	38	31	29	34
48344	NCA10	RES	481	12 PENNARD CRESCENT	481	35	36	41	32	42	30	34	39	33	30	36
48361	NCA10	RES	482	12 PENNARD CRESCENT	482	35	34	39	30	40	28	32	37	30	28	33
48372	NCA10	RES	483	14 PENNARD CRESCENT	483	35	36	41	32	42	30	34	39	33	30	36
48393	NCA10	RES	486	15 PENNARD CRESCENT	486	35	33	39	30	39	27	30	35	29	27	32

Predicted Night-time construction noise																
No.	NCA	Usage	rec	Address	Unique ID	NML	L _{eq} dB(A)									
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
48406	NCA10	RES	487	15 PENNARD CRESCENT	487	35	36	41	32	40	28	32	37	30	29	34
48426	NCA10	RES	488	16 PENNARD CRESCENT	488	35	36	41	32	42	30	34	39	32	31	36
48460	NCA10	RES	490	2 PENNARD CRESCENT	490	35	35	40	31	40	28	32	37	30	29	34
48474	NCA10	RES	491	2 PENNARD CRESCENT	491	35	34	40	31	40	28	32	37	30	28	34
48482	NCA10	RES	492	3 PENNARD CRESCENT	492	35	34	40	31	40	28	31	36	30	28	33
48492	NCA10	RES	493	3 PENNARD CRESCENT	493	35	35	40	31	39	27	31	36	30	28	34
48515	NCA10	RES	494	4 PENNARD CRESCENT	494	35	37	42	33	42	30	34	39	32	30	35
48543	NCA10	RES	496	4 PENNARD CRESCENT	496	35	37	42	33	42	30	33	38	32	31	36
48548	NCA10	RES	497	4 PENNARD CRESCENT	497	35	34	39	30	38	26	30	35	29	29	34
48563	NCA10	RES	498	5 PENNARD CRESCENT	498	35	34	39	31	39	27	31	36	30	27	33
48581	NCA10	RES	500	6 PENNARD CRESCENT	500	35	34	40	31	40	28	32	37	30	28	33
48589	NCA10	RES	501	6 PENNARD CRESCENT	501	35	37	42	33	42	31	34	39	33	30	35
48608	NCA10	RES	503	7 PENNARD CRESCENT	503	35	34	39	30	39	27	31	36	29	27	32
48623	NCA10	RES	504	8 PENNARD CRESCENT	504	35	36	42	33	42	31	34	39	33	30	35
48651	NCA10	RES	505	9 PENNARD CRESCENT	505	35	34	39	30	39	27	31	36	29	27	32
48667	NCA10	RES	507	10 PINE VALLEY CRESCENT	507	35	33	39	30	38	26	30	35	28	28	34
48689	NCA10	RES	509	11 PINE VALLEY CRESCENT	509	35	35	40	31	40	28	32	37	30	29	34
48708	NCA10	RES	510	11 PINE VALLEY CRESCENT	510	35	34	39	30	40	28	32	37	31	29	34
48716	NCA10	RES	511	12 PINE VALLEY CRESCENT	511	35	35	41	32	40	28	32	37	30	29	34
48738	NCA10	RES	512	13 PINE VALLEY CRESCENT	512	35	36	41	32	41	29	33	38	31	29	35
48756	NCA10	RES	513	15 PINE VALLEY CRESCENT	513	35	33	38	29	38	26	30	35	29	29	34
48770	NCA10	RES	514	17 PINE VALLEY CRESCENT	514	35	33	38	29	40	28	32	37	30	29	34
48809	NCA10	RES	516	2 PINE VALLEY CRESCENT	516	35	36	42	33	41	29	33	38	31	30	35
48821	NCA10	RES	517	3 PINE VALLEY CRESCENT	517	35	35	40	31	42	30	33	38	32	29	34
48828	NCA10	RES	518	3 PINE VALLEY CRESCENT	518	35	37	42	33	42	28	32	37	30	30	36
48855	NCA10	RES	519	4 PINE VALLEY CRESCENT	519	35	36	42	33	39	27	30	35	29	30	35
48871	NCA10	RES	520	5 PINE VALLEY CRESCENT	520	35	37	42	33	42	29	32	37	31	30	35
48894	NCA10	RES	522	6 PINE VALLEY CRESCENT	522	35	34	39	30	39	27	30	35	29	27	32
48907	NCA10	RES	524	7 PINE VALLEY CRESCENT	524	35	37	42	33	42	30	33	38	32	30	35
48921	NCA10	RES	525	8 PINE VALLEY CRESCENT	525	35	33	39	30	38	26	30	35	28	27	32
48943	NCA10	RES	527	9 PINE VALLEY CRESCENT	527	35	37	42	33	39	27	31	36	29	30	35
48950	NCA10	RES	528	1 PORTRUSH CRESCENT	528	35	40	45	36	48	36	40	45	38	35	40
48957	NCA10	RES	530	1 PORTRUSH CRESCENT	530	35	43	48	39	48	36	40	45	38	36	41
48976	NCA10	RES	531	10 PORTRUSH CRESCENT	531	35	39	44	36	46	33	37	42	36	32	38
48993	NCA10	RES	532	10 PORTRUSH CRESCENT	532	35	39	44	35	44	33	36	41	35	32	37
49002	NCA10	RES	533	11 PORTRUSH CRESCENT	533	35	39	44	36	52	39	43	48	41	36	41
49017	NCA10	RES	535	12 PORTRUSH CRESCENT	535	35	42	47	38	49	36	40	45	38	35	40
49034	NCA10	RES	536	12 PORTRUSH CRESCENT	536	35	39	44	35	46	33	37	42	36	32	37
49036	NCA10	RES	537	12 PORTRUSH CRESCENT	537	35	29	34	25	39	28	31	36	30	32	37
49088	NCA10	RES	539	13 PORTRUSH CRESCENT	539	35	43	48	39	51	38	42	47	40	36	42
49106	NCA10	RES	540	14 PORTRUSH CRESCENT	540	35	39	44	35	46	33	37	42	36	32	37

Predicted Night-time construction noise																
No.	NCA	Usage	rec	Address	Unique ID	NML	L _{eq} dB(A)									
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
49125	NCA10	RES	543	14 PORTRUSH CRESCENT	543	35	42	47	38	47	34	38	43	36	35	40
49154	NCA10	RES	545	15 PORTRUSH CRESCENT	545	35	40	46	37	51	39	43	48	41	35	41
49169	NCA10	RES	546	16 PORTRUSH CRESCENT	546	35	31	36	27	47	34	38	43	36	33	39
49195	NCA10	RES	547	16 PORTRUSH CRESCENT	547	35	40	45	36	47	35	38	43	37	35	40
49235	NCA10	RES	548	17 PORTRUSH CRESCENT	548	35	41	46	37	55	42	46	51	44	38	43
49243	NCA10	RES	552	17 PORTRUSH CRESCENT	552	35	41	46	37	53	41	45	50	43	35	42
49248	NCA10	RES	553	17 PORTRUSH CRESCENT	553	35	43	48	40	55	42	46	51	44	38	43
49271	NCA10	RES	555	18 PORTRUSH CRESCENT	555	35	41	47	38	47	35	39	44	37	35	40
49277	NCA10	RES	557	19 PORTRUSH CRESCENT	557	35	44	49	40	56	43	46	51	45	38	43
49304	NCA10	RES	559	2 PORTRUSH CRESCENT	559	35	42	47	38	47	34	38	43	36	35	40
49338	NCA10	RES	561	21 PORTRUSH CRESCENT	561	35	41	46	37	54	41	45	50	43	37	42
49376	NCA10	RES	562	22 PORTRUSH CRESCENT	562	35	42	47	38	49	36	40	45	38	35	40
49401	NCA10	RES	565	23 PORTRUSH CRESCENT	565	35	40	46	37	52	39	43	48	42	36	41
49412	NCA10	RES	567	24 PORTRUSH CRESCENT	567	35	39	45	36	49	38	42	47	40	35	41
49440	NCA10	RES	569	24 PORTRUSH CRESCENT	569	35	37	42	33	48	33	37	42	36	32	38
49451	NCA10	RES	570	26 PORTRUSH CRESCENT	570	35	41	46	37	51	39	43	48	41	36	41
49475	NCA10	RES	572	28 PORTRUSH CRESCENT	572	35	39	45	36	49	37	41	46	39	34	39
49497	NCA10	RES	573	28 PORTRUSH CRESCENT	573	35	37	43	34	47	36	40	45	38	34	39
49502	NCA10	RES	574	30 PORTRUSH CRESCENT	574	35	31	36	27	45	34	38	43	36	34	39
49513	NCA10	RES	575	30 PORTRUSH CRESCENT	575	35	41	46	37	52	40	44	49	42	36	42
49549	NCA10	RES	576	34 PORTRUSH CRESCENT	576	35	39	44	35	53	41	45	50	44	37	42
49566	NCA10	RES	578	34 PORTRUSH CRESCENT	578	35	36	41	32	46	34	38	43	37	35	40
49572	NCA10	RES	579	34 PORTRUSH CRESCENT	579	35	38	44	35	50	38	42	47	40	34	40
49576	NCA10	RES	580	36 PORTRUSH CRESCENT	580	35	40	45	37	52	40	43	48	42	37	43
49600	NCA10	RES	582	36 PORTRUSH CRESCENT	582	35	33	38	29	49	37	41	46	40	35	40
49621	NCA10	RES	583	38 PORTRUSH CRESCENT	583	35	43	48	39	55	43	47	52	45	38	43
49649	NCA10	RES	585	4 PORTRUSH CRESCENT	585	35	42	47	38	45	32	36	41	34	35	40
49676	NCA10	RES	586	40 PORTRUSH CRESCENT	586	35	41	46	37	53	41	44	49	43	38	43
49684	NCA10	RES	587	42 PORTRUSH CRESCENT	587	35	37	43	34	54	41	45	50	43	36	41
49694	NCA10	RES	588	42 PORTRUSH CRESCENT	588	35	41	46	38	54	42	45	50	44	38	43
49705	NCA10	RES	589	44 PORTRUSH CRESCENT	589	35	42	47	38	56	43	46	51	45	38	43
49719	NCA10	RES	590	44 PORTRUSH CRESCENT	590	35	41	47	38	58	44	48	53	47	38	44
49738	NCA10	RES	591	46 PORTRUSH CRESCENT	591	35	44	50	41	59	45	49	54	47	39	44
49756	NCA10	RES	592	46 PORTRUSH CRESCENT	592	35	42	47	38	58	45	49	54	47	39	44
49765	NCA10	RES	593	48 PORTRUSH CRESCENT	593	35	45	50	41	58	43	47	52	45	39	44
49793	NCA10	RES	594	48 PORTRUSH CRESCENT	594	35	42	48	39	58	44	48	53	46	37	42
49799	NCA10	RES	595	48 PORTRUSH CRESCENT	595	35	42	47	39	60	46	50	55	48	40	45
49804	NCA10	RES	596	48 PORTRUSH CRESCENT	596	35	41	47	38	60	46	50	55	48	39	44
49807	NCA10	RES	597	5 PORTRUSH CRESCENT	597	35	43	48	39	50	37	41	46	39	36	41
49815	NCA10	RES	598	5 PORTRUSH CRESCENT	598	35	41	47	38	47	34	38	43	37	36	41
49817	NCA10	RES	599	5 PORTRUSH CRESCENT	599	35	42	47	38	50	37	41	46	39	36	41

Predicted Night-time construction noise																
No.	NCA	Usage	rec	Address	Unique ID	NML	L _{eq} dB(A)									
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
49842	NCA10	RES	600	52 PORTRUSH CRESCENT	600	35	42	48	39	57	43	47	52	45	38	43
49859	NCA10	RES	602	52 PORTRUSH CRESCENT	602	35	32	37	28	56	42	46	51	44	36	41
49876	NCA10	RES	603	54 PORTRUSH CRESCENT	603	35	42	47	38	54	41	45	50	43	36	41
49894	NCA10	RES	604	54 PORTRUSH CRESCENT	604	35	42	47	38	54	41	44	49	43	36	41
49899	NCA10	RES	605	56 PORTRUSH CRESCENT	605	35	42	47	38	53	39	43	48	42	37	42
49925	NCA10	RES	606	58 PORTRUSH CRESCENT	606	35	43	49	40	52	39	42	47	41	37	42
49950	NCA10	RES	607	6 PORTRUSH CRESCENT	607	35	39	45	36	48	35	39	44	37	34	39
49970	NCA10	RES	608	6 PORTRUSH CRESCENT	608	35	27	32	23	36	25	28	33	27	32	38
49974	NCA10	RES	610	6 PORTRUSH CRESCENT	610	35	39	44	35	42	32	35	40	34	32	38
49982	NCA10	RES	611	60 PORTRUSH CRESCENT	611	35	41	47	38	51	38	42	47	40	35	40
49997	NCA10	RES	613	62 PORTRUSH CRESCENT	613	35	41	46	37	52	40	43	48	42	36	41
50021	NCA10	RES	614	62 PORTRUSH CRESCENT	614	35	44	49	40	50	37	41	46	40	37	42
50029	NCA10	RES	615	64 PORTRUSH CRESCENT	615	35	41	46	37	52	38	42	47	41	36	41
50047	NCA10	RES	616	64 PORTRUSH CRESCENT	616	35	43	49	40	49	36	40	45	39	37	42
50050	NCA10	RES	617	66 PORTRUSH CRESCENT	617	35	43	48	39	48	36	39	44	38	36	42
50071	NCA10	RES	618	68 PORTRUSH CRESCENT	618	35	40	46	37	48	35	39	44	38	35	40
50108	NCA10	RES	620	8 PORTRUSH CRESCENT	620	35	39	44	35	45	33	36	41	35	32	37
50114	NCA10	RES	621	8 PORTRUSH CRESCENT	621	35	39	45	36	47	35	39	44	37	34	39
50134	NCA10	RES	622	11 TWIN CREEKS DRIVE	622	35	35	40	31	40	28	32	37	30	30	36
50153	NCA10	RES	623	13 TWIN CREEKS DRIVE	623	35	27	32	23	40	28	32	37	30	28	33
50160	NCA10	RES	624	13 TWIN CREEKS DRIVE	624	35	37	42	34	41	29	33	38	31	30	36
50182	NCA10	RES	625	13 TWIN CREEKS DRIVE	625	35	34	40	31	41	28	32	37	31	28	33
50185	NCA10	RES	626	13 TWIN CREEKS DRIVE	626	35	35	40	31	41	29	32	37	31	29	34
50196	NCA10	RES	627	14 TWIN CREEKS DRIVE	627	35	38	43	34	43	31	35	40	33	31	36
50220	NCA10	RES	628	15 TWIN CREEKS DRIVE	628	35	37	43	34	41	29	33	38	31	31	36
50238	NCA10	RES	629	15 TWIN CREEKS DRIVE	629	35	37	42	33	41	29	33	38	31	30	36
50244	NCA10	RES	631	15 TWIN CREEKS DRIVE	631	35	34	40	31	42	31	35	40	33	31	36
50249	NCA10	RES	632	15 TWIN CREEKS DRIVE	632	35	35	40	31	42	31	35	40	33	30	36
50257	NCA10	RES	633	17 TWIN CREEKS DRIVE	633	35	37	42	33	43	31	35	40	33	31	36
50266	NCA10	RES	634	17 TWIN CREEKS DRIVE	634	35	27	33	24	41	29	33	38	31	30	35
50271	NCA10	RES	635	17 TWIN CREEKS DRIVE	635	35	35	40	31	43	31	35	40	33	31	36
50317	NCA10	RES	636	18 TWIN CREEKS DRIVE	636	35	38	43	34	45	31	35	40	33	32	37
50325	NCA10	RES	643	20 TWIN CREEKS DRIVE	643	35	35	40	31	41	29	32	37	31	28	33
50341	NCA10	RES	644	21 TWIN CREEKS DRIVE	644	35	34	40	31	41	29	33	38	31	29	34
50349	NCA10	RES	645	21 TWIN CREEKS DRIVE	645	35	34	40	31	41	29	33	38	31	31	36
50365	NCA10	RES	646	21 TWIN CREEKS DRIVE	646	35	37	42	33	43	31	35	40	34	31	36
50383	NCA10	RES	648	22 TWIN CREEKS DRIVE	648	35	38	43	34	43	31	35	40	33	31	36
50403	NCA10	RES	652	24 TWIN CREEKS DRIVE	652	35	38	43	34	42	30	34	39	32	31	36
50438	NCA10	RES	653	26 TWIN CREEKS DRIVE	653	35	37	42	33	44	32	36	41	34	31	36
50469	NCA10	RES	654	27 TWIN CREEKS DRIVE	654	35	35	40	32	43	31	35	40	33	33	39
50480	NCA10	RES	655	27 TWIN CREEKS DRIVE	655	35	30	35	26	42	30	34	39	32	31	36

Predicted Night-time construction noise																
No.	NCA	Usage	rec	Address	Unique ID	NML	Leq dB(A)									
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
50485	NCA10	RES	656	28 TWIN CREEKS DRIVE	656	35	35	41	32	42	30	34	39	32	31	36
50506	NCA10	RES	657	28 TWIN CREEKS DRIVE	657	35	36	41	32	45	33	37	42	35	32	38
50521	NCA10	RES	658	29 TWIN CREEKS DRIVE	658	35	35	40	31	42	31	34	39	33	33	38
50539	NCA10	RES	660	29 TWIN CREEKS DRIVE	660	35	31	36	27	42	30	34	39	32	32	38
50546	NCA10	RES	661	30 TWIN CREEKS DRIVE	661	35	35	40	31	42	30	34	39	32	30	35
50575	NCA10	RES	663	31 TWIN CREEKS DRIVE	663	35	35	40	31	42	30	34	39	33	31	36
50591	NCA10	RES	664	31 TWIN CREEKS DRIVE	664	35	34	40	31	43	32	35	40	34	33	38
50595	NCA10	RES	666	32 TWIN CREEKS DRIVE	666	35	38	43	34	45	33	36	41	35	32	37
50619	NCA10	RES	668	33 TWIN CREEKS DRIVE	668	35	34	40	31	43	32	35	40	34	34	39
50638	NCA10	RES	669	33 TWIN CREEKS DRIVE	669	35	34	39	30	41	30	33	38	32	31	36
50640	NCA10	RES	671	34 TWIN CREEKS DRIVE	671	35	38	43	34	44	33	36	41	35	32	37
50668	NCA10	RES	672	34 TWIN CREEKS DRIVE	672	35	37	42	33	43	32	36	41	34	33	38
50692	NCA10	RES	673	35 TWIN CREEKS DRIVE	673	35	37	42	33	43	32	36	41	34	34	39
50720	NCA10	RES	674	36 TWIN CREEKS DRIVE	674	35	38	43	34	44	33	36	41	35	32	37
50732	NCA10	RES	675	36 TWIN CREEKS DRIVE	675	35	35	40	31	44	33	36	41	35	32	37
50741	NCA10	RES	676	36 TWIN CREEKS DRIVE	676	35	35	40	31	42	30	34	39	32	30	35
50746	NCA10	RES	677	37 TWIN CREEKS DRIVE	677	35	33	38	30	40	29	33	38	31	31	36
50759	NCA10	RES	679	37 TWIN CREEKS DRIVE	679	35	36	42	33	43	32	35	40	34	34	39
50778	NCA10	RES	682	38 TWIN CREEKS DRIVE	682	35	38	43	34	43	31	35	40	34	32	37
50806	NCA10	RES	683	39 TWIN CREEKS DRIVE	683	35	34	39	30	40	29	33	38	31	31	36
50827	NCA10	RES	684	40 TWIN CREEKS DRIVE	684	35	36	41	32	46	34	38	43	36	35	40
50841	NCA10	RES	686	41 TWIN CREEKS DRIVE	686	35	32	38	29	40	28	32	37	31	31	36
50855	NCA10	RES	687	41 TWIN CREEKS DRIVE	687	35	33	38	29	40	28	32	37	30	29	35
50864	NCA10	RES	688	42 TWIN CREEKS DRIVE	688	35	36	41	32	45	34	38	43	36	34	40
50888	NCA10	RES	690	43 TWIN CREEKS DRIVE	690	35	33	38	29	40	28	32	37	30	31	36
50891	NCA10	RES	691	43 TWIN CREEKS DRIVE	691	35	30	35	27	39	28	31	36	30	31	36
50903	NCA10	RES	692	43 TWIN CREEKS DRIVE	692	35	34	40	31	43	31	35	40	33	32	37
50912	NCA10	RES	693	44 TWIN CREEKS DRIVE	693	35	38	43	34	46	34	38	43	36	32	37
50921	NCA10	RES	694	44 TWIN CREEKS DRIVE	694	35	36	42	33	46	34	38	43	36	35	40
50955	NCA10	RES	696	45 TWIN CREEKS DRIVE	696	35	33	38	30	41	29	33	38	31	32	37
50982	NCA10	RES	698	47 TWIN CREEKS DRIVE	698	35	35	40	31	41	30	34	39	32	33	38
51001	NCA10	RES	699	47 TWIN CREEKS DRIVE	699	35	32	38	29	39	27	31	36	29	30	35
51019	NCA10	RES	700	48 TWIN CREEKS DRIVE	700	35	37	43	34	46	34	38	43	36	35	40
51029	NCA10	RES	702	49 TWIN CREEKS DRIVE	702	35	29	34	25	38	27	30	35	29	28	33
51049	NCA10	RES	703	49 TWIN CREEKS DRIVE	703	35	32	37	28	39	28	32	37	30	33	38
51054	NCA10	RES	704	5 TWIN CREEKS DRIVE	704	35	35	40	31	40	28	31	36	30	28	33
51076	NCA10	RES	705	50 TWIN CREEKS DRIVE	705	35	36	42	33	46	34	38	43	37	36	41
51099	NCA10	RES	708	51 TWIN CREEKS DRIVE	708	35	30	35	27	40	28	32	37	30	33	38
51120	NCA10	RES	709	52 TWIN CREEKS DRIVE	709	35	34	39	30	45	33	37	42	36	35	40
51160	NCA10	RES	710	52 TWIN CREEKS DRIVE	710	35	37	42	33	44	32	36	41	35	34	40
51165	NCA10	RES	711	53 TWIN CREEKS DRIVE	711	35	32	37	28	38	27	30	35	29	30	35

Predicted Night-time construction noise

No.	NCA	Usage	rec	Address	Unique ID	NML	L _{eq} dB(A)									
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
51171	NCA10	RES	712	53 TWIN CREEKS DRIVE	712	35	31	36	28	37	26	30	35	28	32	38
51198	NCA10	RES	715	54 TWIN CREEKS DRIVE	715	35	36	42	33	43	32	36	41	34	34	40
51216	NCA10	RES	716	54 TWIN CREEKS DRIVE	716	35	30	35	26	41	29	33	38	32	32	37
51220	NCA10	RES	717	55 TWIN CREEKS DRIVE	717	35	34	39	30	40	28	32	37	30	30	36
51239	NCA10	RES	718	55 TWIN CREEKS DRIVE	718	35	32	37	28	38	26	30	35	28	29	35
51244	NCA10	RES	719	55 TWIN CREEKS DRIVE	719	35	31	37	28	38	26	30	35	28	30	35
51271	NCA10	RES	721	58 TWIN CREEKS DRIVE	721	35	35	41	32	42	31	35	40	33	34	39
51286	NCA10	RES	722	62 TWIN CREEKS DRIVE	722	35	33	38	29	40	28	32	37	30	34	39
51300	NCA10	RES	723	62 TWIN CREEKS DRIVE	723	35	33	38	29	41	29	33	38	32	34	39
51316	NCA10	RES	725	62 TWIN CREEKS DRIVE	725	35	33	38	29	40	29	33	38	31	32	37
51329	NCA10	RES	727	62 TWIN CREEKS DRIVE	727	35	35	40	32	42	31	34	39	33	34	39
51343	NCA10	RES	728	64 TWIN CREEKS DRIVE	728	35	35	40	31	41	30	34	39	32	33	38
51369	NCA10	RES	730	64 TWIN CREEKS DRIVE	730	35	34	39	30	41	30	34	39	32	33	38
51378	NCA10	RES	731	7 TWIN CREEKS DRIVE	731	35	35	40	31	40	28	31	36	30	28	33
51391	NCA10	RES	732	9 TWIN CREEKS DRIVE	732	35	37	42	33	42	30	34	39	32	30	35
51422	NCA10	RES	736	1 VENTANA COURT	736	35	35	41	32	43	31	35	40	34	34	39
51444	NCA10	RES	737	2 VENTANA COURT	737	35	35	41	32	43	32	35	40	34	34	40
51458	NCA10	RES	738	2 VENTANA COURT	738	35	38	43	34	45	32	35	40	34	35	40
51477	NCA10	RES	740	3 VENTANA COURT	740	35	35	40	31	43	31	35	40	33	35	41
51487	NCA10	RES	741	4 VENTANA COURT	741	35	39	44	35	47	35	39	44	38	33	39
51493	NCA10	RES	742	4 VENTANA COURT	742	35	39	44	35	47	35	39	44	38	35	40
51518	NCA10	RES	743	5 VENTANA COURT	743	35	36	41	32	44	33	36	41	35	36	41
51534	NCA10	RES	744	6 VENTANA COURT	744	35	37	42	33	46	34	38	43	36	34	40
51546	NCA10	RES	745	6 VENTANA COURT	745	35	38	43	34	44	32	36	41	35	34	39
51576	NCA10	RES	746	7 VENTANA COURT	746	35	36	41	32	45	33	37	42	36	35	40
51589	NCA10	RES	748	7 VENTANA COURT	748	35	36	41	32	44	32	36	41	34	34	39
51598	NCA10	RES	749	1 WOODHALL PLACE	749	35	35	40	31	41	30	33	38	32	32	37
51618	NCA10	RES	751	11 WOODHALL PLACE	751	35	33	38	29	40	28	32	37	30	31	37
51622	NCA10	RES	752	11 WOODHALL PLACE	752	35	33	38	29	42	30	34	39	32	31	36
51649	NCA10	RES	753	13 WOODHALL PLACE	753	35	34	39	30	41	30	34	39	32	31	36
51671	NCA10	RES	754	15 WOODHALL PLACE	754	35	33	38	29	39	27	31	36	29	29	34
51680	NCA10	RES	755	15 WOODHALL PLACE	755	35	36	42	33	41	30	34	39	32	31	36
51736	NCA10	RES	756	17 WOODHALL PLACE	756	35	33	38	29	40	29	33	38	31	31	37
51766	NCA10	RES	757	19 WOODHALL PLACE	757	35	35	40	31	41	29	33	38	31	31	37
51768	NCA10	RES	759	2 WOODHALL PLACE	759	35	34	39	30	41	29	33	38	31	29	34
51782	NCA10	RES	760	2 WOODHALL PLACE	760	35	34	39	31	41	30	34	39	32	31	36
51797	NCA10	RES	761	3 WOODHALL PLACE	761	35	34	40	31	41	29	33	38	31	32	37
51820	NCA10	RES	763	4 WOODHALL PLACE	763	35	34	39	30	40	29	32	37	31	28	34
51855	NCA10	RES	765	5 WOODHALL PLACE	765	35	36	42	33	43	31	35	40	34	32	37
51865	NCA10	RES	766	6 WOODHALL PLACE	766	35	31	36	27	39	27	31	36	29	28	34
51875	NCA10	RES	767	6 WOODHALL PLACE	767	35	33	39	30	40	28	32	37	30	28	34

Predicted Night-time construction noise																
No.	NCA	Usage	rec	Address	Unique ID	NML	L _{eq} dB(A)									
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
51891	NCA10	RES	768	7 WOODHALL PLACE	768	35	34	39	30	42	31	34	39	33	32	37
51912	NCA10	RES	769	7 WOODHALL PLACE	769	35	34	39	30	43	31	35	40	33	31	37
51917	NCA10	RES	770	9 WOODHALL PLACE	770	35	31	36	27	40	28	32	37	31	31	37
51924	NCA10	RES	771	9 WOODHALL PLACE	771	35	34	39	30	42	30	34	39	32	32	37
51940	NCA10	RES	772	9 WOODHALL PLACE	772	35	33	39	30	40	28	32	37	31	29	35

Appendix D – Sleep disturbance

Predicted sleep disturbance noise levels																
No.	NCA	Usage	rec	Address	Unique ID	NML L _{eq} 40 or RBL + 5	L _{eq} dB(A)									
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
41142	NCA9	RES	1		5106	40	33	38	29	32	20	24	29	22	28	34
41148	NCA9	RES	15		5120	40	33	38	29	34	22	26	31	24	29	34
41154	NCA9	RES	19		5124	40	32	38	29	34	22	26	31	24	29	34
41165	NCA9	RES	20		5125	40	32	37	28	31	19	23	28	21	30	36
41174	NCA9	RES	23		5128	40	33	38	29	32	20	23	28	22	29	34
41181	NCA9	RES	31		5136	40	33	38	29	33	21	25	30	23	29	35
41187	NCA9	RES	34		5139	40	32	38	29	31	19	23	28	22	29	34
41204	NCA9	RES	39		5144	40	35	40	31	34	22	26	31	24	31	36
41220	NCA9	RES	43		5148	40	32	37	28	31	19	23	28	21	29	34
41223	NCA9	RES	47		5152	40	33	38	29	31	21	25	30	23	29	34
41229	NCA9	RES	57		5162	40	33	38	29	34	22	26	31	24	31	37
41234	NCA9	RES	58		5163	40	32	38	29	32	20	24	29	22	28	33
41244	NCA9	RES	63		5168	40	33	38	29	32	20	24	29	22	31	36
41251	NCA9	RES	65		5170	40	28	33	24	25	13	17	22	16	30	35
41255	NCA9	RES	66		5171	40	34	40	31	31	19	23	28	21	30	35
41259	NCA9	RES	105	117-199 LUDDENHAM ROAD	5210	40	30	36	27	27	15	19	24	17	34	39
41265	NCA9	RES	106	117-199 LUDDENHAM ROAD	5211	40	31	36	27	27	15	19	24	18	38	43
41276	NCA9	RES	107	117-199 LUDDENHAM ROAD	5212	40	31	36	27	27	15	19	24	17	37	42
41280	NCA9	RES	108	117-199 LUDDENHAM ROAD	5213	40	32	38	29	28	16	20	25	19	38	44
41295	NCA9	RES	109	117-199 LUDDENHAM ROAD	5214	40	31	37	28	27	15	19	24	18	38	43
41300	NCA9	RES	113	117-199 LUDDENHAM ROAD	5218	40	31	37	28	27	16	19	24	18	37	42
41306	NCA9	RES	116	117-199 LUDDENHAM ROAD	5221	40	32	37	28	30	18	22	27	20	39	44
41311	NCA9	RES	118	117-199 LUDDENHAM ROAD	5223	40	31	36	28	27	15	19	24	17	36	42
41315	NCA9	RES	119	117-199 LUDDENHAM ROAD	5224	40	34	39	30	30	18	22	27	20	41	46
41321	NCA9	RES	126	117-199 LUDDENHAM ROAD	5231	40	31	36	27	24	12	16	21	14	37	43
41326	NCA9	RES	128	182-200 LUDDENHAM ROAD	5233	40	33	38	29	30	18	21	26	20	34	39
41333	NCA9	RES	129	182-200 LUDDENHAM ROAD	5234	40	33	38	29	29	18	21	26	20	34	40
41339	NCA9	RES	132	202-210 LUDDENHAM ROAD	5237	40	33	39	30	30	19	22	27	21	34	39
41346	NCA9	RES	133	202-210 LUDDENHAM ROAD	5238	40	29	34	25	33	21	25	30	23	36	41
41351	NCA9	RES	134	202-210 LUDDENHAM ROAD	5239	40	36	41	32	31	20	24	29	22	34	39
41364	NCA9	RES	135	212-214 LUDDENHAM ROAD	5240	40	32	38	29	30	19	22	27	21	34	39
41380	NCA9	RES	137	212-214 LUDDENHAM ROAD	5242	40	36	41	32	33	21	25	30	24	36	41
41404	NCA9	RES	139	212-214 LUDDENHAM ROAD	5244	40	32	38	29	31	19	23	28	21	36	42
41412	NCA9	RES	140	212-214 LUDDENHAM ROAD	5245	40	29	35	26	25	14	17	22	16	33	39
41417	NCA9	RES	142	216 LUDDENHAM ROAD	5247	40	33	39	30	31	19	23	28	21	33	38
41426	NCA9	RES	144	216 LUDDENHAM ROAD	5249	40	34	39	30	31	19	23	28	21	34	39
41437	NCA9	RES	146	216 LUDDENHAM ROAD	5251	40	31	36	27	29	18	22	27	20	36	41
41442	NCA9	RES	173	221-227 LUDDENHAM ROAD	5278	40	35	40	31	30	18	22	27	21	36	41
41445	NCA9	RES	174	221-227 LUDDENHAM ROAD	5279	40	35	40	31	34	22	26	31	24	34	39
41454	NCA9	RES	203	221-227 LUDDENHAM ROAD	5308	40	38	43	34	35	23	27	32	25	36	41

Predicted sleep disturbance noise levels																
No.	NCA	Usage	rec	Address	Unique ID	NML L _{eq} 40 or RBL + 5	L _{eq} dB(A)									
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
41459	NCA9	RES	209	221-227 LUDDENHAM ROAD	5314	40	35	40	32	32	20	24	29	22	36	41
41466	NCA9	RES	224	222-224 LUDDENHAM ROAD	5329	40	34	39	30	31	19	23	28	21	33	38
41478	NCA9	RES	228	222B LUDDENHAM ROAD	5333	40	34	39	30	32	21	25	30	23	36	41
41486	NCA9	RES	229	226-228 LUDDENHAM ROAD	5334	40	34	39	30	26	19	22	27	21	32	38
41496	NCA9	RES	230	226-228 LUDDENHAM ROAD	5335	40	34	40	31	31	20	23	28	22	33	39
41501	NCA9	RES	232	226-228 LUDDENHAM ROAD	5337	40	33	38	29	31	19	23	28	21	33	38
41506	NCA9	RES	234	229-231 LUDDENHAM ROAD	5339	40	38	44	35	35	24	27	32	26	38	43
41521	NCA9	RES	243	230-234 LUDDENHAM ROAD	5348	40	37	42	33	34	22	26	31	25	35	41
41529	NCA9	RES	244	230-234 LUDDENHAM ROAD	5349	40	34	39	30	31	19	23	28	22	32	38
41536	NCA9	RES	246	233-249 LUDDENHAM ROAD	5351	40	36	41	32	33	21	25	30	23	37	42
41550	NCA9	RES	252	236-238 LUDDENHAM ROAD	5357	40	37	42	33	34	23	26	31	25	33	38
41559	NCA9	RES	255	236-238 LUDDENHAM ROAD	5360	40	34	40	31	31	20	23	28	22	33	38
41564	NCA9	RES	256	240-244 LUDDENHAM ROAD	5361	40	21	26	17	22	10	14	19	12	32	38
41569	NCA9	RES	259	240-244 LUDDENHAM ROAD	5364	40	31	37	28	27	16	20	25	18	34	39
41585	NCA9	RES	261	240-244 LUDDENHAM ROAD	5366	40	37	42	34	35	23	27	32	25	35	41
41591	NCA9	RES	263	246-248 LUDDENHAM ROAD	5368	40	34	39	30	32	20	24	29	22	32	37
41608	NCA9	RES	264	246-248 LUDDENHAM ROAD	5369	40	35	40	31	32	21	24	29	23	33	38
41615	NCA9	RES	267	246-248 LUDDENHAM ROAD	5372	40	29	34	25	28	16	20	25	19	33	38
41621	NCA9	RES	268	250-254 LUDDENHAM ROAD	5373	40	33	39	30	32	20	24	29	22	31	36
41624	NCA9	RES	269	250-254 LUDDENHAM ROAD	5374	40	34	39	31	32	20	24	29	23	32	37
41633	NCA9	RES	270	250-254 LUDDENHAM ROAD	5375	40	37	42	33	32	20	24	29	23	34	39
41647	NCA9	RES	272	250-254 LUDDENHAM ROAD	5377	40	35	40	31	33	21	25	30	23	33	38
41658	NCA9	RES	274	250-254 LUDDENHAM ROAD	5379	40	34	40	31	35	23	27	32	25	32	37
41662	NCA9	RES	276	251-261 LUDDENHAM ROAD	5381	40	38	44	35	36	24	28	33	26	35	40
41667	NCA9	RES	280	251-261 LUDDENHAM ROAD	5385	40	36	42	33	34	22	25	30	24	34	39
41678	NCA9	RES	281	256 LUDDENHAM ROAD	5386	40	35	40	31	33	21	25	30	23	35	40
41695	NCA9	RES	282	256 LUDDENHAM ROAD	5387	40	34	40	31	33	21	24	29	23	34	39
41702	NCA9	RES	283	262-266 LUDDENHAM ROAD	5388	40	35	40	31	33	21	25	30	24	32	37
41707	NCA9	RES	284	262-266 LUDDENHAM ROAD	5389	40	35	40	31	33	21	25	30	23	31	37
41712	NCA9	RES	285	262-266 LUDDENHAM ROAD	5390	40	35	41	32	33	21	25	30	24	32	37
41718	NCA9	RES	289	262-266 LUDDENHAM ROAD	5394	40	35	41	32	33	21	25	30	23	32	38
41727	NCA9	RES	290	263-273 LUDDENHAM ROAD	5395	40	36	41	32	34	22	26	31	25	36	41
41730	NCA9	RES	292	268-288 LUDDENHAM ROAD	5397	40	36	41	32	34	22	26	31	25	32	37
41735	NCA9	RES	293	275-285 LUDDENHAM ROAD	5398	40	37	43	34	35	23	27	32	25	35	40
41740	NCA9	RES	297	275-285 LUDDENHAM ROAD	5402	40	35	41	32	33	22	26	31	24	35	40
41753	NCA9	RES	298	275-285 LUDDENHAM ROAD	5403	40	39	44	35	34	23	27	32	25	34	39
41761	NCA9	RES	299	275A LUDDENHAM ROAD	5404	40	37	43	34	35	23	27	32	25	35	40
41777	NCA9	RES	302	275A LUDDENHAM ROAD	5407	40	38	43	34	37	25	29	34	27	36	41
41794	NCA9	RES	303	287 LUDDENHAM ROAD	5408	40	37	43	34	36	24	27	32	26	36	41
41798	NCA9	RES	305	287 LUDDENHAM ROAD	5410	40	37	43	34	38	26	30	35	28	34	39

Predicted sleep disturbance noise levels

No.	NCA	Usage	rec	Address	Unique ID	NML L _{eq} 40 or RBL + 5	L _{eq} dB(A)									
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
							41818	NCA9	RES	307	289-317 LUDDENHAM ROAD	5412	40	39	44	35
41830	NCA9	RES	308	289-317 LUDDENHAM ROAD	5413	40	41	46	37	36	24	28	33	27	35	40
41841	NCA9	RES	309	31-39 LUDDENHAM ROAD	5414	40	24	30	21	21	10	14	19	12	26	31
41846	NCA9	RES	312	319-325 LUDDENHAM ROAD	5417	40	43	48	39	39	27	30	35	29	38	43
41851	NCA9	RES	313	319-325 LUDDENHAM ROAD	5418	40	39	45	36	38	26	30	35	28	36	41
41861	NCA9	RES	314	319-325 LUDDENHAM ROAD	5419	40	43	48	39	41	29	33	38	31	37	42
41867	NCA9	RES	315	319-325 LUDDENHAM ROAD	5420	40	41	46	37	40	29	33	38	31	37	42
41875	NCA9	RES	317	319-325 LUDDENHAM ROAD	5422	40	39	44	35	38	26	30	35	28	35	41
41887	NCA9	RES	319	320-326 LUDDENHAM ROAD	5424	40	38	43	34	38	26	29	34	28	32	37
40923	NCA9	RES	321	327-329 LUDDENHAM ROAD	5426	40	55	60	51	41	30	34	39	32	54	60
41903	NCA9	RES	322	43A LUDDENHAM ROAD	5427	40	28	33	25	26	14	18	23	16	31	36
41910	NCA9	RES	323	43A LUDDENHAM ROAD	5428	40	29	34	25	25	13	17	22	15	34	39
41913	NCA9	RES	325	43A LUDDENHAM ROAD	5430	40	29	34	25	25	13	17	22	16	35	41
41923	NCA9	RES	328	43A LUDDENHAM ROAD	5433	40	32	37	28	28	16	20	25	18	38	43
41932	NCA9	RES	331	43A LUDDENHAM ROAD	5436	40	29	34	25	25	13	17	22	16	35	41
41940	NCA9	RES	343	573-577 MAMRE ROAD	5448	40	30	35	26	29	17	21	26	19	26	31
41951	NCA9	RES	344	573-577 MAMRE ROAD	5449	40	27	33	24	27	15	19	24	17	24	29
41960	NCA9	RES	346	43466 MANDALONG CLOSE	5451	40	27	32	23	25	13	17	22	16	26	32
41980	NCA9	RES	348	21A MANDALONG CLOSE	5453	40	29	35	26	28	17	20	25	19	26	32
42000	NCA9	RES	349	21A MANDALONG CLOSE	5454	40	27	32	23	26	14	18	23	17	24	29
42005	NCA9	RES	351	25-31 MANDALONG CLOSE	5456	40	27	32	24	26	14	18	23	16	25	30
42013	NCA9	RES	353	25-31 MANDALONG CLOSE	5458	40	27	32	24	26	14	18	23	16	25	30
42037	NCA9	RES	354	25-31 MANDALONG CLOSE	5459	40	30	35	26	28	16	20	25	19	27	33
42047	NCA9	RES	355	33-41 MANDALONG CLOSE	5460	40	27	33	24	26	14	18	23	16	25	31
42061	NCA9	RES	356	33-41 MANDALONG CLOSE	5461	40	30	35	26	28	17	20	25	19	27	32
42079	NCA9	RES	357	33-41 MANDALONG CLOSE	5462	40	28	33	24	26	14	18	23	17	26	31
42089	NCA9	RES	360	43-51 MANDALONG CLOSE	5465	40	28	33	25	27	15	19	24	17	26	32
42092	NCA9	RES	361	43-51 MANDALONG CLOSE	5466	40	21	26	17	19	7	11	16	10	27	32
42096	NCA9	RES	362	43-51 MANDALONG CLOSE	5467	40	28	33	24	26	15	18	23	17	26	31
42108	NCA9	RES	363	43-51 MANDALONG CLOSE	5468	40	30	36	27	29	17	21	26	19	27	33
42137	NCA9	RES	364	53-63 MANDALONG CLOSE	5469	40	28	34	25	27	15	19	24	17	27	32
42140	NCA9	RES	366	53-63 MANDALONG CLOSE	5471	40	25	30	21	26	15	18	23	17	25	30
42161	NCA9	RES	367	53-63 MANDALONG CLOSE	5472	40	31	36	27	29	18	21	26	20	29	34
42181	NCA9	RES	368	53-63 MANDALONG CLOSE	5473	40	31	36	27	29	17	21	26	20	29	35
42193	NCA9	RES	370	65-73 MANDALONG CLOSE	5475	40	29	34	26	28	16	20	25	18	27	33
42205	NCA9	RES	373	65-73 MANDALONG CLOSE	5478	40	29	35	26	30	18	22	27	20	30	35
42220	NCA9	RES	374	65-73 MANDALONG CLOSE	5479	40	30	35	26	28	16	20	25	18	28	33
42236	NCA9	RES	375	65-73 MANDALONG CLOSE	5480	40	30	35	26	30	19	22	27	21	28	33
42250	NCA9	RES	376	75-77 MANDALONG CLOSE	5481	40	32	37	28	31	19	23	28	21	31	36
42265	NCA9	RES	377	79-81 MANDALONG CLOSE	5482	40	30	35	26	28	16	20	25	18	30	35

Predicted sleep disturbance noise levels

No.	NCA	Usage	rec	Address	Unique ID	NML L _{eq} 40 or RBL + 5	L _{eq} dB(A)									
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
42281	NCA9	RES	380	79-81 MANDALONG CLOSE	5485	40	32	38	29	30	19	22	27	21	32	37
42287	NCA9	RES	381	79-81 MANDALONG CLOSE	5486	40	32	38	29	30	19	22	27	21	29	34
42296	NCA9	RES	382	79-81 MANDALONG CLOSE	5487	40	30	36	27	28	16	20	25	18	29	35
42300	NCA9	RES	384	79-81 MANDALONG CLOSE	5489	40	30	35	26	28	16	20	25	18	29	34
42318	NCA9	RES	385	79-81 MANDALONG CLOSE	5490	40	29	35	26	27	16	19	24	18	28	34
42326	NCA9	RES	386	79-81 MANDALONG CLOSE	5491	40	30	35	26	28	16	20	25	18	30	35
42331	NCA9	RES	387	79-81 MANDALONG CLOSE	5492	40	30	35	26	28	16	20	25	18	29	34
42347	NCA9	RES	392	83-91 MANDALONG CLOSE	5497	40	29	34	26	27	15	19	24	18	29	35
42367	NCA9	RES	393	83-91 MANDALONG CLOSE	5498	40	31	37	28	29	17	21	26	20	28	34
42386	NCA9	RES	396	83-91 MANDALONG CLOSE	5501	40	29	34	25	27	15	19	24	17	28	33
42390	NCA9	RES	398	83-91 MANDALONG CLOSE	5503	40	29	34	25	14	3	7	12	5	31	36
42396	NCA9	RES	755	2042-2550 THE NORTHERN ROAD	6271	40	30	36	27	26	15	19	24	17	25	30
42412	NCA9	RES	756	2042-2550 THE NORTHERN ROAD	6272	40	31	36	27	27	16	20	25	18	24	30
42415	NCA9	RES	761	2042-2550 THE NORTHERN ROAD	6277	40	30	36	27	26	16	19	24	18	24	29
42428	NCA9	RES	762	2042-2550 THE NORTHERN ROAD	6278	40	30	35	26	26	15	19	24	17	23	28
42429	NCA9	RES	763	2042-2550 THE NORTHERN ROAD	6279	40	31	36	28	27	16	20	25	18	25	30
42443	NCA9	RES	766	2042-2550 THE NORTHERN ROAD	6282	40	30	36	27	26	15	19	24	17	24	29
42447	NCA9	RES	767	2042-2550 THE NORTHERN ROAD	6283	40	30	36	27	26	15	19	24	17	24	29
42460	NCA9	RES	769	2042-2550 THE NORTHERN ROAD	6285	40	30	36	27	26	17	20	25	19	24	29
42476	NCA9	RES	772	2042-2550 THE NORTHERN ROAD	6288	40	32	37	28	27	18	22	27	20	26	31
42496	NCA9	RES	774	2042-2550 THE NORTHERN ROAD	6290	40	29	34	25	25	14	18	23	16	22	27
44920	NCA10	RES	16	1669A ELIZABETH DRIVE	16	40	21	27	18	26	14	18	23	17	23	28
44935	NCA10	RES	26	1669A ELIZABETH DRIVE	26	40	24	29	20	28	17	20	25	19	23	28
44940	NCA10	RES	52	1783-1789 ELIZABETH DRIVE	52	40	19	24	15	23	12	15	20	14	21	27
44950	NCA10	RES	81	1953-2109 ELIZABETH DRIVE	81	40	22	27	18	25	14	18	23	16	25	30
44958	NCA10	RES	82	1953-2109 ELIZABETH DRIVE	82	40	21	27	18	26	15	19	24	17	25	31
44966	NCA10	RES	88	1953-2109 ELIZABETH DRIVE	88	40	25	30	21	29	18	22	27	20	29	34
44980	NCA10	RES	97	707A MAMRE ROAD	97	40	32	38	29	34	22	26	31	24	27	32
44996	NCA10	RES	99	707A MAMRE ROAD	99	40	33	38	29	34	22	26	31	25	26	31
45026	NCA10	RES	104	3 BRIDPORT PLACE	104	40	30	35	27	36	25	29	34	27	36	42
45028	NCA10	RES	105	4 BRIDPORT PLACE	105	40	34	39	30	40	29	32	37	31	37	43
45035	NCA10	RES	106	4 BRIDPORT PLACE	106	40	31	37	28	40	29	32	37	31	37	42
45070	NCA10	RES	107	10 COMARGO LANE	107	40	42	47	38	42	30	33	38	32	35	40
45085	NCA10	RES	108	2 COMARGO LANE	108	40	38	43	34	40	28	32	37	30	31	37
45101	NCA10	RES	109	2 COMARGO LANE	109	40	41	46	37	43	31	35	40	33	35	40
45125	NCA10	RES	111	4 COMARGO LANE	111	40	41	46	37	41	29	32	37	31	35	40
45138	NCA10	RES	112	6 COMARGO LANE	112	40	39	44	35	44	31	35	40	33	33	38
45151	NCA10	RES	113	8 COMARGO LANE	113	40	39	44	35	41	29	32	37	31	33	38
45165	NCA10	RES	114	2 CRYSTAL DOWNS CLOSE	114	40	36	41	32	42	30	33	38	32	29	34
45179	NCA10	RES	115	3 CRYSTAL DOWNS CLOSE	115	40	36	41	32	41	29	33	38	32	31	36

Predicted sleep disturbance noise levels																
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45206	NCA10	RES	116	4 CRYSTAL DOWNS CLOSE	116	40	36	41	32	43	29	33	38	31	33	38
45215	NCA10	RES	118	5 CRYSTAL DOWNS CLOSE	118	40	35	41	32	43	31	35	40	34	31	36
45238	NCA10	RES	119	6 CRYSTAL DOWNS CLOSE	119	40	38	43	34	44	31	35	40	34	31	37
45264	NCA10	RES	120	7 CRYSTAL DOWNS CLOSE	120	40	38	43	34	43	31	35	40	33	31	37
45275	NCA10	RES	121	8 CRYSTAL DOWNS CLOSE	121	40	36	41	32	43	31	35	40	33	30	36
45288	NCA10	RES	122	10 DORAL GROVE	122	40	38	43	35	45	33	36	41	35	32	37
45306	NCA10	RES	125	11 DORAL GROVE	125	40	37	42	33	42	30	34	39	32	30	36
45312	NCA10	RES	126	3 DORAL GROVE	126	40	38	43	34	45	33	37	42	35	32	37
45335	NCA10	RES	127	4 DORAL GROVE	127	40	36	41	32	45	33	37	42	35	32	37
45354	NCA10	RES	128	5 DORAL GROVE	128	40	38	44	35	45	33	37	42	35	33	38
45365	NCA10	RES	129	6 DORAL GROVE	129	40	36	42	33	43	31	35	40	33	31	36
45385	NCA10	RES	131	7 DORAL GROVE	131	40	36	42	33	43	31	35	40	33	31	36
45405	NCA10	RES	132	8 DORAL GROVE	132	40	36	41	32	43	30	34	39	33	31	36
45419	NCA10	RES	133	9 DORAL GROVE	133	40	37	42	33	43	32	36	41	34	32	38
45443	NCA10	RES	137	2111-2141 ELIZABETH DRIVE	137	40	22	27	18	25	14	18	23	16	24	29
45460	NCA10	RES	146	10 FARMINGDALE COURT	146	40	30	35	26	36	25	28	33	27	33	38
45480	NCA10	RES	148	11 FARMINGDALE COURT	148	40	28	34	25	34	23	27	32	25	34	39
45506	NCA10	RES	149	12 FARMINGDALE COURT	149	40	33	38	29	39	27	31	36	29	37	42
45538	NCA10	RES	150	14 FARMINGDALE COURT	150	40	34	39	30	40	29	32	37	31	39	44
45563	NCA10	RES	151	14 FARMINGDALE COURT	151	40	30	35	27	36	25	29	34	27	37	42
45591	NCA10	RES	152	16 FARMINGDALE COURT	152	40	29	34	25	37	26	30	35	28	36	41
45599	NCA10	RES	153	17 FARMINGDALE COURT	153	40	32	37	28	37	26	30	35	28	34	39
45618	NCA10	RES	154	17 FARMINGDALE COURT	154	40	24	29	20	34	22	26	31	25	32	38
45622	NCA10	RES	155	18 FARMINGDALE COURT	155	40	30	35	26	35	24	28	33	26	34	39
45635	NCA10	RES	156	18 FARMINGDALE COURT	156	40	32	38	29	38	27	30	35	29	36	42
45645	NCA10	RES	157	2 FARMINGDALE COURT	157	40	33	38	29	38	27	31	36	29	35	41
45667	NCA10	RES	159	22 FARMINGDALE COURT	159	40	32	37	28	37	26	30	35	28	35	41
45710	NCA10	RES	160	5 FARMINGDALE COURT	160	40	32	37	28	37	26	30	35	28	35	40
45732	NCA10	RES	161	6 FARMINGDALE COURT	161	40	32	38	29	38	27	30	35	29	34	40
45747	NCA10	RES	162	6 FARMINGDALE COURT	162	40	25	30	21	36	25	28	33	27	35	40
45769	NCA10	RES	163	7 FARMINGDALE COURT	163	40	32	37	28	37	26	30	35	28	34	40
45789	NCA10	RES	165	7 FARMINGDALE COURT	165	40	29	35	26	35	23	27	32	26	32	37
45794	NCA10	RES	166	8 FARMINGDALE COURT	166	40	32	37	28	38	27	30	35	29	34	39
45822	NCA10	RES	167	9 FARMINGDALE COURT	167	40	29	34	26	35	23	27	32	25	31	37
45845	NCA10	RES	169	10 GANTON WAY	169	40	31	36	27	38	25	29	34	27	33	38
45880	NCA10	RES	170	12 GANTON WAY	170	40	33	38	29	39	27	31	36	30	33	38
45898	NCA10	RES	171	16 GANTON WAY	171	40	32	38	29	38	27	30	35	29	33	38
45938	NCA10	RES	172	18 GANTON WAY	172	40	32	38	29	38	27	30	35	29	33	39
45970	NCA10	RES	174	2 GANTON WAY	174	40	33	39	30	39	28	31	36	30	30	35
45989	NCA10	RES	176	4 GANTON WAY	176	40	33	38	30	39	27	31	36	30	31	36

Predicted sleep disturbance noise levels

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							46002	NCA10	RES	177	6 GANTON WAY	177	40	33	39	30
46030	NCA10	RES	178	6 GANTON WAY	178	40	31	36	27	39	28	32	37	30	33	38
46039	NCA10	RES	179	8 GANTON WAY	179	40	31	36	27	36	25	29	34	27	33	38
46052	NCA10	RES	180	10 HALMSTAD BOULEVARD	180	40	32	37	28	39	28	32	37	30	33	38
46065	NCA10	RES	181	10 HALMSTAD BOULEVARD	181	40	35	40	32	42	30	34	39	33	33	38
46076	NCA10	RES	182	10 HALMSTAD BOULEVARD	182	40	33	38	29	40	28	32	37	30	32	37
46082	NCA10	RES	184	11 HALMSTAD BOULEVARD	184	40	36	41	33	43	32	36	41	34	36	41
46105	NCA10	RES	185	11 HALMSTAD BOULEVARD	185	40	34	39	30	41	30	33	38	32	34	39
46111	NCA10	RES	186	12 HALMSTAD BOULEVARD	186	40	33	38	29	41	30	33	38	32	33	38
46125	NCA10	RES	187	12 HALMSTAD BOULEVARD	187	40	35	40	31	42	30	34	39	32	36	41
46136	NCA10	RES	188	13 HALMSTAD BOULEVARD	188	40	36	41	32	43	31	35	40	34	35	40
46141	NCA10	RES	189	13 HALMSTAD BOULEVARD	189	40	36	41	32	43	31	35	40	34	35	40
46158	NCA10	RES	190	14 HALMSTAD BOULEVARD	190	40	32	38	29	39	28	31	36	30	34	39
46178	NCA10	RES	191	14 HALMSTAD BOULEVARD	191	40	31	36	27	38	27	31	36	29	33	38
46201	NCA10	RES	192	15 HALMSTAD BOULEVARD	192	40	33	39	30	41	30	34	39	32	36	42
46204	NCA10	RES	193	15 HALMSTAD BOULEVARD	193	40	33	38	30	40	29	33	38	31	34	40
46214	NCA10	RES	194	17 HALMSTAD BOULEVARD	194	40	33	38	29	42	31	34	39	33	37	42
46236	NCA10	RES	195	19 HALMSTAD BOULEVARD	195	40	33	38	29	39	28	32	37	30	37	42
46252	NCA10	RES	196	19 HALMSTAD BOULEVARD	196	40	33	38	29	39	28	32	37	30	35	40
46255	NCA10	RES	197	20 HALMSTAD BOULEVARD	197	40	32	37	28	38	26	30	35	29	36	41
46260	NCA10	RES	198	20 HALMSTAD BOULEVARD	198	40	32	37	28	38	26	30	35	29	33	38
46272	NCA10	RES	199	20 HALMSTAD BOULEVARD	199	40	34	39	31	40	29	33	38	31	36	42
46296	NCA10	RES	200	22 HALMSTAD BOULEVARD	200	40	31	36	28	40	26	30	35	28	34	39
46323	NCA10	RES	201	23 HALMSTAD BOULEVARD	201	40	35	40	31	41	31	35	40	33	37	42
46329	NCA10	RES	203	24 HALMSTAD BOULEVARD	203	40	31	36	27	37	26	29	34	28	32	37
46354	NCA10	RES	204	24 HALMSTAD BOULEVARD	204	40	32	38	29	40	29	33	38	31	36	41
46355	NCA10	RES	205	25 HALMSTAD BOULEVARD	205	40	32	37	28	38	27	31	36	29	35	40
46375	NCA10	RES	206	25 HALMSTAD BOULEVARD	206	40	33	38	30	41	29	33	38	32	37	42
46393	NCA10	RES	207	26 HALMSTAD BOULEVARD	207	40	31	36	27	37	25	29	34	27	32	38
46401	NCA10	RES	208	26 HALMSTAD BOULEVARD	208	40	29	35	26	39	28	31	36	30	35	40
46420	NCA10	RES	209	27 HALMSTAD BOULEVARD	209	40	32	37	28	40	29	33	38	31	36	42
46429	NCA10	RES	211	28 HALMSTAD BOULEVARD	211	40	32	37	28	38	27	30	35	29	35	40
46447	NCA10	RES	212	28 HALMSTAD BOULEVARD	212	40	31	36	27	36	25	29	34	27	31	36
46454	NCA10	RES	213	3 HALMSTAD BOULEVARD	213	40	37	42	33	44	33	36	41	35	36	41
46475	NCA10	RES	214	39 HALMSTAD BOULEVARD	214	40	32	38	29	38	26	30	35	29	34	39
46487	NCA10	RES	215	4 HALMSTAD BOULEVARD	215	40	36	41	32	44	32	36	41	34	35	40
46521	NCA10	RES	216	4 HALMSTAD BOULEVARD	216	40	36	41	32	43	31	35	40	33	32	37
46529	NCA10	RES	218	5 HALMSTAD BOULEVARD	218	40	34	40	31	44	33	36	41	35	36	41
46553	NCA10	RES	219	7 HALMSTAD BOULEVARD	219	40	37	42	33	44	32	36	41	35	34	40
46572	NCA10	RES	220	8 HALMSTAD BOULEVARD	220	40	36	41	32	43	31	35	40	33	35	40

Predicted sleep disturbance noise levels

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							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
							46579	NCA10	RES	221	8 HALMSTAD BOULEVARD	221	40	36	41	32
46586	NCA10	RES	222	8 HALMSTAD BOULEVARD	222	40	33	38	30	40	29	32	37	31	35	40
46614	NCA10	RES	223	1 HUMWOOD PLACE	223	40	34	40	31	40	29	33	38	31	33	38
46616	NCA10	RES	224	10 HUMWOOD PLACE	224	40	31	36	27	39	27	31	36	30	33	38
46626	NCA10	RES	225	10 HUMWOOD PLACE	225	40	34	39	30	41	30	34	39	32	34	39
46651	NCA10	RES	228	11 HUMWOOD PLACE	228	40	34	39	30	40	28	32	37	31	34	40
46666	NCA10	RES	229	11 HUMWOOD PLACE	229	40	31	36	27	37	26	29	34	28	31	36
46670	NCA10	RES	230	12 HUMWOOD PLACE	230	40	34	39	31	41	29	33	38	32	35	40
46692	NCA10	RES	231	14 HUMWOOD PLACE	231	40	34	40	31	40	29	33	38	31	33	38
46716	NCA10	RES	232	15 HUMWOOD PLACE	232	40	31	36	27	38	26	30	35	29	34	39
46736	NCA10	RES	233	2 HUMWOOD PLACE	233	40	30	35	27	38	27	31	36	29	33	38
46743	NCA10	RES	234	2 HUMWOOD PLACE	234	40	31	36	27	40	29	32	37	31	31	36
46751	NCA10	RES	235	2 HUMWOOD PLACE	235	40	32	38	29	39	27	31	36	30	32	37
46778	NCA10	RES	236	2 HUMWOOD PLACE	236	40	30	35	26	38	26	30	35	29	31	36
46784	NCA10	RES	237	22 HUMWOOD PLACE	237	40	31	36	27	37	25	29	34	28	32	37
46801	NCA10	RES	239	22 HUMWOOD PLACE	239	40	31	36	27	39	28	32	37	30	33	39
46829	NCA10	RES	240	24 HUMWOOD PLACE	240	40	33	38	29	39	27	31	36	30	32	37
46832	NCA10	RES	241	24 HUMWOOD PLACE	241	40	30	36	27	36	25	29	34	27	32	37
46835	NCA10	RES	242	3 HUMWOOD PLACE	242	40	31	37	28	38	26	30	35	28	29	35
46852	NCA10	RES	243	3 HUMWOOD PLACE	243	40	34	39	31	40	26	30	35	29	31	36
46879	NCA10	RES	244	4 HUMWOOD PLACE	244	40	32	38	29	39	27	31	36	29	32	37
46883	NCA10	RES	246	5 HUMWOOD PLACE	246	40	26	31	22	38	26	30	35	29	33	38
46892	NCA10	RES	247	5 HUMWOOD PLACE	247	40	32	37	28	38	26	30	35	29	34	39
46905	NCA10	RES	249	5 HUMWOOD PLACE	249	40	31	36	27	37	26	30	35	28	33	38
46926	NCA10	RES	250	6 HUMWOOD PLACE	250	40	35	40	31	41	30	33	38	32	32	37
46940	NCA10	RES	252	7 HUMWOOD PLACE	252	40	31	37	28	38	26	30	35	28	31	36
46951	NCA10	RES	253	7 HUMWOOD PLACE	253	40	32	37	28	38	27	30	35	29	34	39
46979	NCA10	RES	254	9 HUMWOOD PLACE	254	40	34	39	30	40	29	33	38	31	32	37
46986	NCA10	RES	256	9 HUMWOOD PLACE	256	40	33	39	30	40	29	32	37	31	32	37
46994	NCA10	RES	258	336-348 LUDDENHAM ROAD	258	40	39	44	35	39	27	31	36	29	32	37
47000	NCA10	RES	265	339-363 LUDDENHAM ROAD	265	40	40	45	36	40	28	32	37	30	34	39
47005	NCA10	RES	275	405-423 LUDDENHAM ROAD	275	40	46	51	42	46	33	37	42	36	39	45
47015	NCA10	RES	279	425-441 LUDDENHAM ROAD	279	40	43	48	39	51	37	41	46	40	37	42
47023	NCA10	RES	288	425A LUDDENHAM ROAD	288	40	46	51	43	54	41	45	50	43	39	45
47046	NCA10	RES	292	443-457 LUDDENHAM ROAD	292	40	51	56	48	57	44	48	53	46	44	50
47060	NCA10	RES	297	581 LUDDENHAM ROAD	297	40	47	53	44	59	56	60	65	58	45	50
47067	NCA10	RES	302	611-639 LUDDENHAM ROAD	302	40	37	42	33	43	32	35	40	34	47	52
47073	NCA10	RES	304	611A LUDDENHAM ROAD	304	40	36	41	32	41	30	34	39	32	44	49
47077	NCA10	RES	308	641-675 LUDDENHAM ROAD	308	40	33	38	29	36	25	29	34	28	36	41
47101	NCA10	RES	311	644-652 LUDDENHAM ROAD	311	40	35	40	32	41	30	34	39	32	49	54

Predicted sleep disturbance noise levels																
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							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
47107	NCA10	RES	314	654-658 LUDDENHAM ROAD	314	40	34	40	31	41	30	33	38	32	46	52
47112	NCA10	RES	319	660-670 LUDDENHAM ROAD	319	40	33	38	30	38	27	31	36	29	41	46
47118	NCA10	RES	321	672-686 LUDDENHAM ROAD	321	40	32	37	28	37	26	30	35	28	39	45
47137	NCA10	RES	324	672-686 LUDDENHAM ROAD	324	40	33	38	29	39	28	32	37	30	41	46
47167	NCA10	RES	329	677-691 LUDDENHAM ROAD	329	40	33	38	29	37	26	29	34	28	40	45
47183	NCA10	RES	334	688-708 LUDDENHAM ROAD	334	40	34	39	31	39	28	31	36	30	40	46
47196	NCA10	RES	335	688-708 LUDDENHAM ROAD	335	40	31	36	27	35	24	28	33	26	36	42
47202	NCA10	RES	336	688-708 LUDDENHAM ROAD	336	40	31	37	28	36	25	29	34	27	38	43
47210	NCA10	RES	337	688-708 LUDDENHAM ROAD	337	40	32	37	28	36	25	29	34	27	37	42
47237	NCA10	RES	342	693-711 LUDDENHAM ROAD	342	40	32	37	29	34	23	27	32	25	32	37
47242	NCA10	RES	345	2179 ELIZABETH DRIVE	345	40	34	39	30	26	15	18	23	17	24	29
47243	NCA10	RES	345	693-711 LUDDENHAM ROAD	5861	40	23	29	20	34	23	27	32	26	33	39
47272	NCA10	RES	349	710-732 LUDDENHAM ROAD	349	40	30	35	26	33	22	26	31	24	34	39
47276	NCA10	RES	350	2179A ELIZABETH DRIVE	5866	40	23	29	20	25	14	17	22	16	21	27
47286	NCA10	RES	351	710-732 LUDDENHAM ROAD	351	40	29	35	26	33	22	26	31	24	33	38
47299	NCA10	RES	352	713-733 LUDDENHAM ROAD	352	40	32	37	28	35	24	28	33	26	34	40
47307	NCA10	RES	354	2207-2223 ELIZABETH DRIVE	5870	40	19	25	16	22	11	14	19	13	19	24
47313	NCA10	RES	355	734 LUDDENHAM ROAD	355	40	30	35	26	35	24	28	33	26	35	41
47315	NCA10	RES	355	2207-2223 ELIZABETH DRIVE	5871	40	20	26	17	22	11	15	20	13	20	25
47343	NCA10	RES	357	2207-2223 ELIZABETH DRIVE	5873	40	19	25	16	22	11	14	19	13	19	24
47350	NCA10	RES	358	2207-2223 ELIZABETH DRIVE	5874	40	20	25	16	22	11	15	20	13	20	25
47356	NCA10	RES	359	734-750 LUDDENHAM ROAD	359	40	31	36	27	34	23	27	32	26	32	38
47371	NCA10	RES	361	2225-2239 ELIZABETH DRIVE	5877	40	22	27	19	24	13	17	22	15	22	27
47390	NCA10	RES	363	2225-2239 ELIZABETH DRIVE	5879	40	22	27	18	24	13	17	22	15	22	27
47400	NCA10	RES	367	752-810 LUDDENHAM ROAD	367	40	27	32	23	32	21	24	29	23	31	36
47405	NCA10	RES	377	752-810 LUDDENHAM ROAD	377	40	29	34	25	32	21	25	30	23	31	37
47413	NCA10	RES	379	2510-2550 ELIZABETH DRIVE	5895	40	19	24	15	21	10	13	18	12	19	24
47447	NCA10	RES	384	812-844 LUDDENHAM ROAD	384	40	26	31	22	29	18	22	27	20	28	33
47454	NCA10	RES	385	812-844 LUDDENHAM ROAD	385	40	26	31	22	29	18	22	27	20	28	33
47490	NCA10	RES	386	812-844 LUDDENHAM ROAD	386	40	21	27	18	25	14	18	23	16	25	31
47499	NCA10	RES	390	2600 ELIZABETH DRIVE	5906	40	19	24	15	20	8	12	17	11	18	23
47500	NCA10	RES	392	2600 ELIZABETH DRIVE	5908	40	18	23	14	20	9	12	17	11	17	22
47506	NCA10	RES	394	2600 ELIZABETH DRIVE	5910	40	0	0	0	19	8	12	17	10	17	22
47535	NCA10	RES	395	765 LUDDENHAM ROAD	5911	40	27	32	23	30	18	22	27	21	28	33
47541	NCA10	RES	398	765 LUDDENHAM ROAD	5914	40	29	34	25	29	18	22	27	20	30	35
47553	NCA10	RES	399	765 LUDDENHAM ROAD	5915	40	27	32	23	29	18	22	27	20	30	35
47561	NCA10	RES	407	777-819 LUDDENHAM ROAD	5923	40	24	29	20	28	16	20	25	19	26	32
47576	NCA10	RES	409	821 LUDDENHAM ROAD	5925	40	23	28	19	28	17	21	26	19	27	32
47588	NCA10	RES	421	851-867 LUDDENHAM ROAD	5937	40	25	31	22	28	17	21	26	19	26	32
47595	NCA10	RES	422	869-885 LUDDENHAM ROAD	5938	40	22	27	18	24	13	17	22	15	23	28

Predicted sleep disturbance noise levels

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							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
							47601	NCA10	RES	424	869-885 LUDDENHAM ROAD	5940	40	21	27	18
47612	NCA10	RES	429	869-885 LUDDENHAM ROAD	5945	40	22	27	18	24	13	17	22	15	22	28
47628	NCA10	RES	430	892 LUDDENHAM ROAD	430	40	24	29	20	26	15	19	24	17	24	30
47648	NCA10	RES	432	869-885 LUDDENHAM ROAD	5948	40	23	29	20	27	16	19	24	18	24	29
47660	NCA10	RES	435	869A LUDDENHAM ROAD	5951	40	21	26	17	24	13	16	21	15	22	27
47662	NCA10	RES	437	892B LUDDENHAM ROAD	437	40	20	26	17	23	12	16	21	14	22	27
47675	NCA10	RES	438	1 MEDINAH AVENUE	438	40	37	42	34	41	29	33	38	31	31	36
47696	NCA10	RES	439	1 MEDINAH AVENUE	439	40	35	40	31	39	27	30	35	29	28	33
47700	NCA10	RES	440	1 MEDINAH AVENUE	440	40	35	40	31	39	27	30	35	29	28	33
47723	NCA10	RES	441	11 MEDINAH AVENUE	441	40	36	41	32	38	26	29	34	28	29	34
47728	NCA10	RES	442	11 MEDINAH AVENUE	442	40	31	36	27	34	22	26	31	24	25	30
47739	NCA10	RES	444	12 MEDINAH AVENUE	444	40	35	40	31	38	26	30	35	28	29	34
47755	NCA10	RES	445	13 MEDINAH AVENUE	445	40	35	41	32	37	25	29	34	27	29	34
47771	NCA10	RES	447	14 MEDINAH AVENUE	447	40	33	38	29	38	26	30	35	28	28	33
47797	NCA10	RES	448	15 MEDINAH AVENUE	448	40	33	38	29	37	25	29	34	27	26	31
47814	NCA10	RES	450	16 MEDINAH AVENUE	450	40	35	41	32	25	14	18	23	16	29	34
47815	NCA10	RES	450	889 LUDDENHAM ROAD	5966	40	23	28	19	40	28	32	37	30	24	29
47842	NCA10	RES	451	17 MEDINAH AVENUE	451	40	29	34	25	37	25	28	33	27	25	30
47852	NCA10	RES	452	17 MEDINAH AVENUE	452	40	32	38	29	37	25	29	34	27	26	31
47864	NCA10	RES	452	889 LUDDENHAM ROAD	5968	40	23	28	20	26	15	19	24	17	24	29
47878	NCA10	RES	453	19 MEDINAH AVENUE	453	40	35	40	31	39	27	31	36	30	28	33
47895	NCA10	RES	454	1A MEDINAH AVENUE	454	40	37	43	34	42	30	33	38	32	31	36
47923	NCA10	RES	455	2 MEDINAH AVENUE	455	40	37	43	34	40	28	31	36	30	31	36
47946	NCA10	RES	456	21 MEDINAH AVENUE	456	40	32	37	29	37	25	29	34	27	25	31
47960	NCA10	RES	457	23 MEDINAH AVENUE	457	40	32	37	28	37	25	29	34	27	25	31
47978	NCA10	RES	458	24 MEDINAH AVENUE	458	40	33	38	29	40	28	32	37	31	29	34
47998	NCA10	RES	459	25 MEDINAH AVENUE	459	40	32	37	28	37	25	29	34	27	25	30
48020	NCA10	RES	460	25 MEDINAH AVENUE	460	40	32	37	28	36	25	28	33	27	25	30
48032	NCA10	RES	461	26 MEDINAH AVENUE	461	40	35	40	31	40	28	32	37	30	28	34
48053	NCA10	RES	462	26 MEDINAH AVENUE	462	40	32	38	29	38	26	29	34	28	26	31
48060	NCA10	RES	463	27 MEDINAH AVENUE	463	40	32	37	28	37	25	29	34	27	25	30
48098	NCA10	RES	464	29 MEDINAH AVENUE	464	40	34	40	31	39	27	31	36	30	28	33
48125	NCA10	RES	466	3 MEDINAH AVENUE	466	40	34	40	31	39	27	30	35	29	28	33
48135	NCA10	RES	467	31 MEDINAH AVENUE	467	40	32	37	28	37	25	29	34	27	25	31
48155	NCA10	RES	468	4 MEDINAH AVENUE	468	40	34	39	30	39	27	31	36	29	28	33
48160	NCA10	RES	469	4 MEDINAH AVENUE	469	40	37	43	34	39	27	31	36	29	31	36
48173	NCA10	RES	470	5 MEDINAH AVENUE	470	40	34	39	31	38	26	30	35	29	28	33
48197	NCA10	RES	471	6 MEDINAH AVENUE	471	40	37	42	33	41	29	33	38	31	30	36
48209	NCA10	RES	473	7 MEDINAH AVENUE	473	40	36	42	33	40	28	32	37	31	30	35
48248	NCA10	RES	474	8 MEDINAH AVENUE	474	40	37	42	33	41	30	34	39	32	30	36

Predicted sleep disturbance noise levels																
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48254	NCA10	RES	475	9 MEDINAH AVENUE	475	40	33	38	30	37	25	29	34	27	27	32
48260	NCA10	RES	476	9 MEDINAH AVENUE	476	40	33	39	30	38	26	30	35	28	27	32
48282	NCA10	RES	477	10 PENNARD CRESCENT	477	40	34	39	30	41	30	34	39	32	30	36
48291	NCA10	RES	478	10 PENNARD CRESCENT	478	40	36	42	33	43	31	35	40	33	30	36
48306	NCA10	RES	480	11 PENNARD CRESCENT	480	40	34	39	30	41	29	33	38	31	29	34
48344	NCA10	RES	481	12 PENNARD CRESCENT	481	40	36	41	32	42	30	34	39	33	30	36
48361	NCA10	RES	482	12 PENNARD CRESCENT	482	40	34	39	30	40	28	32	37	30	28	33
48372	NCA10	RES	483	14 PENNARD CRESCENT	483	40	36	41	32	42	30	34	39	33	30	36
48393	NCA10	RES	486	15 PENNARD CRESCENT	486	40	33	39	30	39	27	30	35	29	27	32
48406	NCA10	RES	487	15 PENNARD CRESCENT	487	40	36	41	32	40	28	32	37	30	29	34
48426	NCA10	RES	488	16 PENNARD CRESCENT	488	40	36	41	32	42	30	34	39	32	31	36
48460	NCA10	RES	490	2 PENNARD CRESCENT	490	40	35	40	31	40	28	32	37	30	29	34
48474	NCA10	RES	491	2 PENNARD CRESCENT	491	40	34	40	31	40	28	32	37	30	28	34
48482	NCA10	RES	492	3 PENNARD CRESCENT	492	40	34	40	31	40	28	31	36	30	28	33
48492	NCA10	RES	493	3 PENNARD CRESCENT	493	40	35	40	31	39	27	31	36	30	28	34
48515	NCA10	RES	494	4 PENNARD CRESCENT	494	40	37	42	33	42	30	34	39	32	30	35
48543	NCA10	RES	496	4 PENNARD CRESCENT	496	40	37	42	33	42	30	33	38	32	31	36
48548	NCA10	RES	497	4 PENNARD CRESCENT	497	40	34	39	30	38	26	30	35	29	29	34
48563	NCA10	RES	498	5 PENNARD CRESCENT	498	40	34	39	31	39	27	31	36	30	27	33
48581	NCA10	RES	500	6 PENNARD CRESCENT	500	40	34	40	31	40	28	32	37	30	28	33
48589	NCA10	RES	501	6 PENNARD CRESCENT	501	40	37	42	33	42	31	34	39	33	30	35
48608	NCA10	RES	503	7 PENNARD CRESCENT	503	40	34	39	30	39	27	31	36	29	27	32
48623	NCA10	RES	504	8 PENNARD CRESCENT	504	40	36	42	33	42	31	34	39	33	30	35
48651	NCA10	RES	505	9 PENNARD CRESCENT	505	40	34	39	30	39	27	31	36	29	27	32
48667	NCA10	RES	507	10 PINE VALLEY CRESCENT	507	40	33	39	30	38	26	30	35	28	28	34
48689	NCA10	RES	509	11 PINE VALLEY CRESCENT	509	40	35	40	31	40	28	32	37	30	29	34
48708	NCA10	RES	510	11 PINE VALLEY CRESCENT	510	40	34	39	30	40	28	32	37	31	29	34
48716	NCA10	RES	511	12 PINE VALLEY CRESCENT	511	40	35	41	32	40	28	32	37	30	29	34
48738	NCA10	RES	512	13 PINE VALLEY CRESCENT	512	40	36	41	32	41	29	33	38	31	29	35
48756	NCA10	RES	513	15 PINE VALLEY CRESCENT	513	40	33	38	29	38	26	30	35	29	29	34
48770	NCA10	RES	514	17 PINE VALLEY CRESCENT	514	40	33	38	29	40	28	32	37	30	29	34
48809	NCA10	RES	516	2 PINE VALLEY CRESCENT	516	40	36	42	33	41	29	33	38	31	30	35
48821	NCA10	RES	517	3 PINE VALLEY CRESCENT	517	40	35	40	31	42	30	33	38	32	29	34
48828	NCA10	RES	518	3 PINE VALLEY CRESCENT	518	40	37	42	33	42	28	32	37	30	30	36
48855	NCA10	RES	519	4 PINE VALLEY CRESCENT	519	40	36	42	33	39	27	30	35	29	30	35
48871	NCA10	RES	520	5 PINE VALLEY CRESCENT	520	40	37	42	33	42	29	32	37	31	30	35
48894	NCA10	RES	522	6 PINE VALLEY CRESCENT	522	40	34	39	30	39	27	30	35	29	27	32
48907	NCA10	RES	524	7 PINE VALLEY CRESCENT	524	40	37	42	33	42	30	33	38	32	30	35
48921	NCA10	RES	525	8 PINE VALLEY CRESCENT	525	40	33	39	30	38	26	30	35	28	27	32
48943	NCA10	RES	527	9 PINE VALLEY CRESCENT	527	40	37	42	33	39	27	31	36	29	30	35

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48950	NCA10	RES	528	1 PORTRUSH CRESCENT	528	40	40	45	36	48	36	40	45	38	35	40
48957	NCA10	RES	530	1 PORTRUSH CRESCENT	530	40	43	48	39	48	36	40	45	38	36	41
48976	NCA10	RES	531	10 PORTRUSH CRESCENT	531	40	39	44	36	46	33	37	42	36	32	38
48993	NCA10	RES	532	10 PORTRUSH CRESCENT	532	40	39	44	35	44	33	36	41	35	32	37
49002	NCA10	RES	533	11 PORTRUSH CRESCENT	533	40	39	44	36	52	39	43	48	41	36	41
49017	NCA10	RES	535	12 PORTRUSH CRESCENT	535	40	42	47	38	49	36	40	45	38	35	40
49034	NCA10	RES	536	12 PORTRUSH CRESCENT	536	40	39	44	35	46	33	37	42	36	32	37
49036	NCA10	RES	537	12 PORTRUSH CRESCENT	537	40	29	34	25	39	28	31	36	30	32	37
49088	NCA10	RES	539	13 PORTRUSH CRESCENT	539	40	43	48	39	51	38	42	47	40	36	42
49106	NCA10	RES	540	14 PORTRUSH CRESCENT	540	40	39	44	35	46	33	37	42	36	32	37
49125	NCA10	RES	543	14 PORTRUSH CRESCENT	543	40	42	47	38	47	34	38	43	36	35	40
49154	NCA10	RES	545	15 PORTRUSH CRESCENT	545	40	40	46	37	51	39	43	48	41	35	41
49169	NCA10	RES	546	16 PORTRUSH CRESCENT	546	40	31	36	27	47	34	38	43	36	33	39
49195	NCA10	RES	547	16 PORTRUSH CRESCENT	547	40	40	45	36	47	35	38	43	37	35	40
49235	NCA10	RES	548	17 PORTRUSH CRESCENT	548	40	41	46	37	55	42	46	51	44	38	43
49243	NCA10	RES	552	17 PORTRUSH CRESCENT	552	40	41	46	37	53	41	45	50	43	35	42
49248	NCA10	RES	553	17 PORTRUSH CRESCENT	553	40	43	48	40	55	42	46	51	44	38	43
49271	NCA10	RES	555	18 PORTRUSH CRESCENT	555	40	41	47	38	47	35	39	44	37	35	40
49277	NCA10	RES	557	19 PORTRUSH CRESCENT	557	40	44	49	40	56	43	46	51	45	38	43
49304	NCA10	RES	559	2 PORTRUSH CRESCENT	559	40	42	47	38	47	34	38	43	36	35	40
49338	NCA10	RES	561	21 PORTRUSH CRESCENT	561	40	41	46	37	54	41	45	50	43	37	42
49376	NCA10	RES	562	22 PORTRUSH CRESCENT	562	40	42	47	38	49	36	40	45	38	35	40
49401	NCA10	RES	565	23 PORTRUSH CRESCENT	565	40	40	46	37	52	39	43	48	42	36	41
49412	NCA10	RES	567	24 PORTRUSH CRESCENT	567	40	39	45	36	49	38	42	47	40	35	41
49440	NCA10	RES	569	24 PORTRUSH CRESCENT	569	40	37	42	33	48	33	37	42	36	32	38
49451	NCA10	RES	570	26 PORTRUSH CRESCENT	570	40	41	46	37	51	39	43	48	41	36	41
49475	NCA10	RES	572	28 PORTRUSH CRESCENT	572	40	39	45	36	49	37	41	46	39	34	39
49497	NCA10	RES	573	28 PORTRUSH CRESCENT	573	40	37	43	34	47	36	40	45	38	34	39
49502	NCA10	RES	574	30 PORTRUSH CRESCENT	574	40	31	36	27	45	34	38	43	36	34	39
49513	NCA10	RES	575	30 PORTRUSH CRESCENT	575	40	41	46	37	52	40	44	49	42	36	42
49549	NCA10	RES	576	34 PORTRUSH CRESCENT	576	40	39	44	35	53	41	45	50	44	37	42
49566	NCA10	RES	578	34 PORTRUSH CRESCENT	578	40	36	41	32	46	34	38	43	37	35	40
49572	NCA10	RES	579	34 PORTRUSH CRESCENT	579	40	38	44	35	50	38	42	47	40	34	40
49576	NCA10	RES	580	36 PORTRUSH CRESCENT	580	40	40	45	37	52	40	43	48	42	37	43
49600	NCA10	RES	582	36 PORTRUSH CRESCENT	582	40	33	38	29	49	37	41	46	40	35	40
49621	NCA10	RES	583	38 PORTRUSH CRESCENT	583	40	43	48	39	55	43	47	52	45	38	43
49649	NCA10	RES	585	4 PORTRUSH CRESCENT	585	40	42	47	38	45	32	36	41	34	35	40
49676	NCA10	RES	586	40 PORTRUSH CRESCENT	586	40	41	46	37	53	41	44	49	43	38	43
49684	NCA10	RES	587	42 PORTRUSH CRESCENT	587	40	37	43	34	54	41	45	50	43	36	41
49694	NCA10	RES	588	42 PORTRUSH CRESCENT	588	40	41	46	38	54	42	45	50	44	38	43

Predicted sleep disturbance noise levels																
No.	NCA	Usage	rec	Address	Unique ID	NML L _{eq} 40 or RBL + 5	L _{eq} dB(A)									
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
49705	NCA10	RES	589	44 PORTRUSH CRESCENT	589	40	42	47	38	56	43	46	51	45	38	43
49719	NCA10	RES	590	44 PORTRUSH CRESCENT	590	40	41	47	38	58	44	48	53	47	38	44
49738	NCA10	RES	591	46 PORTRUSH CRESCENT	591	40	44	50	41	59	45	49	54	47	39	44
49756	NCA10	RES	592	46 PORTRUSH CRESCENT	592	40	42	47	38	58	45	49	54	47	39	44
49765	NCA10	RES	593	48 PORTRUSH CRESCENT	593	40	45	50	41	58	43	47	52	45	39	44
49793	NCA10	RES	594	48 PORTRUSH CRESCENT	594	40	42	48	39	58	44	48	53	46	37	42
49799	NCA10	RES	595	48 PORTRUSH CRESCENT	595	40	42	47	39	60	46	50	55	48	40	45
49804	NCA10	RES	596	48 PORTRUSH CRESCENT	596	40	41	47	38	60	46	50	55	48	39	44
49807	NCA10	RES	597	5 PORTRUSH CRESCENT	597	40	43	48	39	50	37	41	46	39	36	41
49815	NCA10	RES	598	5 PORTRUSH CRESCENT	598	40	41	47	38	47	34	38	43	37	36	41
49817	NCA10	RES	599	5 PORTRUSH CRESCENT	599	40	42	47	38	50	37	41	46	39	36	41
49842	NCA10	RES	600	52 PORTRUSH CRESCENT	600	40	42	48	39	57	43	47	52	45	38	43
49859	NCA10	RES	602	52 PORTRUSH CRESCENT	602	40	32	37	28	56	42	46	51	44	36	41
49876	NCA10	RES	603	54 PORTRUSH CRESCENT	603	40	42	47	38	54	41	45	50	43	36	41
49894	NCA10	RES	604	54 PORTRUSH CRESCENT	604	40	42	47	38	54	41	44	49	43	36	41
49899	NCA10	RES	605	56 PORTRUSH CRESCENT	605	40	42	47	38	53	39	43	48	42	37	42
49925	NCA10	RES	606	58 PORTRUSH CRESCENT	606	40	43	49	40	52	39	42	47	41	37	42
49950	NCA10	RES	607	6 PORTRUSH CRESCENT	607	40	39	45	36	48	35	39	44	37	34	39
49970	NCA10	RES	608	6 PORTRUSH CRESCENT	608	40	27	32	23	36	25	28	33	27	32	38
49974	NCA10	RES	610	6 PORTRUSH CRESCENT	610	40	39	44	35	42	32	35	40	34	32	38
49982	NCA10	RES	611	60 PORTRUSH CRESCENT	611	40	41	47	38	51	38	42	47	40	35	40
49997	NCA10	RES	613	62 PORTRUSH CRESCENT	613	40	41	46	37	52	40	43	48	42	36	41
50021	NCA10	RES	614	62 PORTRUSH CRESCENT	614	40	44	49	40	50	37	41	46	40	37	42
50029	NCA10	RES	615	64 PORTRUSH CRESCENT	615	40	41	46	37	52	38	42	47	41	36	41
50047	NCA10	RES	616	64 PORTRUSH CRESCENT	616	40	43	49	40	49	36	40	45	39	37	42
50050	NCA10	RES	617	66 PORTRUSH CRESCENT	617	40	43	48	39	48	36	39	44	38	36	42
50071	NCA10	RES	618	68 PORTRUSH CRESCENT	618	40	40	46	37	48	35	39	44	38	35	40
50108	NCA10	RES	620	8 PORTRUSH CRESCENT	620	40	39	44	35	45	33	36	41	35	32	37
50114	NCA10	RES	621	8 PORTRUSH CRESCENT	621	40	39	45	36	47	35	39	44	37	34	39
50134	NCA10	RES	622	11 TWIN CREEKS DRIVE	622	40	35	40	31	40	28	32	37	30	30	36
50153	NCA10	RES	623	13 TWIN CREEKS DRIVE	623	40	27	32	23	40	28	32	37	30	28	33
50160	NCA10	RES	624	13 TWIN CREEKS DRIVE	624	40	37	42	34	41	29	33	38	31	30	36
50182	NCA10	RES	625	13 TWIN CREEKS DRIVE	625	40	34	40	31	41	28	32	37	31	28	33
50185	NCA10	RES	626	13 TWIN CREEKS DRIVE	626	40	35	40	31	41	29	32	37	31	29	34
50196	NCA10	RES	627	14 TWIN CREEKS DRIVE	627	40	38	43	34	43	31	35	40	33	31	36
50220	NCA10	RES	628	15 TWIN CREEKS DRIVE	628	40	37	43	34	41	29	33	38	31	31	36
50238	NCA10	RES	629	15 TWIN CREEKS DRIVE	629	40	37	42	33	41	29	33	38	31	30	36
50244	NCA10	RES	631	15 TWIN CREEKS DRIVE	631	40	34	40	31	42	31	35	40	33	31	36
50249	NCA10	RES	632	15 TWIN CREEKS DRIVE	632	40	35	40	31	42	31	35	40	33	30	36
50257	NCA10	RES	633	17 TWIN CREEKS DRIVE	633	40	37	42	33	43	31	35	40	33	31	36

Predicted sleep disturbance noise levels

No.	NCA	Usage	rec	Address	Unique ID	NML L _{eq} 40 or RBL + 5	L _{eq} dB(A)									
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
							50266	NCA10	RES	634	17 TWIN CREEKS DRIVE	634	40	27	33	24
50271	NCA10	RES	635	17 TWIN CREEKS DRIVE	635	40	35	40	31	43	31	35	40	33	31	36
50317	NCA10	RES	636	18 TWIN CREEKS DRIVE	636	40	38	43	34	45	31	35	40	33	32	37
50325	NCA10	RES	643	20 TWIN CREEKS DRIVE	643	40	35	40	31	41	29	32	37	31	28	33
50341	NCA10	RES	644	21 TWIN CREEKS DRIVE	644	40	34	40	31	41	29	33	38	31	29	34
50349	NCA10	RES	645	21 TWIN CREEKS DRIVE	645	40	34	40	31	41	29	33	38	31	31	36
50365	NCA10	RES	646	21 TWIN CREEKS DRIVE	646	40	37	42	33	43	31	35	40	34	31	36
50383	NCA10	RES	648	22 TWIN CREEKS DRIVE	648	40	38	43	34	43	31	35	40	33	31	36
50403	NCA10	RES	652	24 TWIN CREEKS DRIVE	652	40	38	43	34	42	30	34	39	32	31	36
50438	NCA10	RES	653	26 TWIN CREEKS DRIVE	653	40	37	42	33	44	32	36	41	34	31	36
50469	NCA10	RES	654	27 TWIN CREEKS DRIVE	654	40	35	40	32	43	31	35	40	33	33	39
50480	NCA10	RES	655	27 TWIN CREEKS DRIVE	655	40	30	35	26	42	30	34	39	32	31	36
50485	NCA10	RES	656	28 TWIN CREEKS DRIVE	656	40	35	41	32	42	30	34	39	32	31	36
50506	NCA10	RES	657	28 TWIN CREEKS DRIVE	657	40	36	41	32	45	33	37	42	35	32	38
50521	NCA10	RES	658	29 TWIN CREEKS DRIVE	658	40	35	40	31	42	31	34	39	33	33	38
50539	NCA10	RES	660	29 TWIN CREEKS DRIVE	660	40	31	36	27	42	30	34	39	32	32	38
50546	NCA10	RES	661	30 TWIN CREEKS DRIVE	661	40	35	40	31	42	30	34	39	32	30	35
50575	NCA10	RES	663	31 TWIN CREEKS DRIVE	663	40	35	40	31	42	30	34	39	33	31	36
50591	NCA10	RES	664	31 TWIN CREEKS DRIVE	664	40	34	40	31	43	32	35	40	34	33	38
50595	NCA10	RES	666	32 TWIN CREEKS DRIVE	666	40	38	43	34	45	33	36	41	35	32	37
50619	NCA10	RES	668	33 TWIN CREEKS DRIVE	668	40	34	40	31	43	32	35	40	34	34	39
50638	NCA10	RES	669	33 TWIN CREEKS DRIVE	669	40	34	39	30	41	30	33	38	32	31	36
50640	NCA10	RES	671	34 TWIN CREEKS DRIVE	671	40	38	43	34	44	33	36	41	35	32	37
50668	NCA10	RES	672	34 TWIN CREEKS DRIVE	672	40	37	42	33	43	32	36	41	34	33	38
50692	NCA10	RES	673	35 TWIN CREEKS DRIVE	673	40	37	42	33	43	32	36	41	34	34	39
50720	NCA10	RES	674	36 TWIN CREEKS DRIVE	674	40	38	43	34	44	33	36	41	35	32	37
50732	NCA10	RES	675	36 TWIN CREEKS DRIVE	675	40	35	40	31	44	33	36	41	35	32	37
50741	NCA10	RES	676	36 TWIN CREEKS DRIVE	676	40	35	40	31	42	30	34	39	32	30	35
50746	NCA10	RES	677	37 TWIN CREEKS DRIVE	677	40	33	38	30	40	29	33	38	31	31	36
50759	NCA10	RES	679	37 TWIN CREEKS DRIVE	679	40	36	42	33	43	32	35	40	34	34	39
50778	NCA10	RES	682	38 TWIN CREEKS DRIVE	682	40	38	43	34	43	31	35	40	34	32	37
50806	NCA10	RES	683	39 TWIN CREEKS DRIVE	683	40	34	39	30	40	29	33	38	31	31	36
50827	NCA10	RES	684	40 TWIN CREEKS DRIVE	684	40	36	41	32	46	34	38	43	36	35	40
50841	NCA10	RES	686	41 TWIN CREEKS DRIVE	686	40	32	38	29	40	28	32	37	31	31	36
50855	NCA10	RES	687	41 TWIN CREEKS DRIVE	687	40	33	38	29	40	28	32	37	30	29	35
50864	NCA10	RES	688	42 TWIN CREEKS DRIVE	688	40	36	41	32	45	34	38	43	36	34	40
50888	NCA10	RES	690	43 TWIN CREEKS DRIVE	690	40	33	38	29	40	28	32	37	30	31	36
50891	NCA10	RES	691	43 TWIN CREEKS DRIVE	691	40	30	35	27	39	28	31	36	30	31	36
50903	NCA10	RES	692	43 TWIN CREEKS DRIVE	692	40	34	40	31	43	31	35	40	33	32	37
50912	NCA10	RES	693	44 TWIN CREEKS DRIVE	693	40	38	43	34	46	34	38	43	36	32	37

Predicted sleep disturbance noise levels																
No.	NCA	Usage	rec	Address	Unique ID	NML L _{eq} 40 or RBL + 5	L _{eq} dB(A)									
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
50921	NCA10	RES	694	44 TWIN CREEKS DRIVE	694	40	36	42	33	46	34	38	43	36	35	40
50955	NCA10	RES	696	45 TWIN CREEKS DRIVE	696	40	33	38	30	41	29	33	38	31	32	37
50982	NCA10	RES	698	47 TWIN CREEKS DRIVE	698	40	35	40	31	41	30	34	39	32	33	38
51001	NCA10	RES	699	47 TWIN CREEKS DRIVE	699	40	32	38	29	39	27	31	36	29	30	35
51019	NCA10	RES	700	48 TWIN CREEKS DRIVE	700	40	37	43	34	46	34	38	43	36	35	40
51029	NCA10	RES	702	49 TWIN CREEKS DRIVE	702	40	29	34	25	38	27	30	35	29	28	33
51049	NCA10	RES	703	49 TWIN CREEKS DRIVE	703	40	32	37	28	39	28	32	37	30	33	38
51054	NCA10	RES	704	5 TWIN CREEKS DRIVE	704	40	35	40	31	40	28	31	36	30	28	33
51076	NCA10	RES	705	50 TWIN CREEKS DRIVE	705	40	36	42	33	46	34	38	43	37	36	41
51099	NCA10	RES	708	51 TWIN CREEKS DRIVE	708	40	30	35	27	40	28	32	37	30	33	38
51120	NCA10	RES	709	52 TWIN CREEKS DRIVE	709	40	34	39	30	45	33	37	42	36	35	40
51160	NCA10	RES	710	52 TWIN CREEKS DRIVE	710	40	37	42	33	44	32	36	41	35	34	40
51165	NCA10	RES	711	53 TWIN CREEKS DRIVE	711	40	32	37	28	38	27	30	35	29	30	35
51171	NCA10	RES	712	53 TWIN CREEKS DRIVE	712	40	31	36	28	37	26	30	35	28	32	38
51198	NCA10	RES	715	54 TWIN CREEKS DRIVE	715	40	36	42	33	43	32	36	41	34	34	40
51216	NCA10	RES	716	54 TWIN CREEKS DRIVE	716	40	30	35	26	41	29	33	38	32	32	37
51220	NCA10	RES	717	55 TWIN CREEKS DRIVE	717	40	34	39	30	40	28	32	37	30	30	36
51239	NCA10	RES	718	55 TWIN CREEKS DRIVE	718	40	32	37	28	38	26	30	35	28	29	35
51244	NCA10	RES	719	55 TWIN CREEKS DRIVE	719	40	31	37	28	38	26	30	35	28	30	35
51271	NCA10	RES	721	58 TWIN CREEKS DRIVE	721	40	35	41	32	42	31	35	40	33	34	39
51286	NCA10	RES	722	62 TWIN CREEKS DRIVE	722	40	33	38	29	40	28	32	37	30	34	39
51300	NCA10	RES	723	62 TWIN CREEKS DRIVE	723	40	33	38	29	41	29	33	38	32	34	39
51316	NCA10	RES	725	62 TWIN CREEKS DRIVE	725	40	33	38	29	40	29	33	38	31	32	37
51329	NCA10	RES	727	62 TWIN CREEKS DRIVE	727	40	35	40	32	42	31	34	39	33	34	39
51343	NCA10	RES	728	64 TWIN CREEKS DRIVE	728	40	35	40	31	41	30	34	39	32	33	38
51369	NCA10	RES	730	64 TWIN CREEKS DRIVE	730	40	34	39	30	41	30	34	39	32	33	38
51378	NCA10	RES	731	7 TWIN CREEKS DRIVE	731	40	35	40	31	40	28	31	36	30	28	33
51391	NCA10	RES	732	9 TWIN CREEKS DRIVE	732	40	37	42	33	42	30	34	39	32	30	35
51422	NCA10	RES	736	1 VENTANA COURT	736	40	35	41	32	43	31	35	40	34	34	39
51444	NCA10	RES	737	2 VENTANA COURT	737	40	35	41	32	43	32	35	40	34	34	40
51458	NCA10	RES	738	2 VENTANA COURT	738	40	38	43	34	45	32	35	40	34	35	40
51477	NCA10	RES	740	3 VENTANA COURT	740	40	35	40	31	43	31	35	40	33	35	41
51487	NCA10	RES	741	4 VENTANA COURT	741	40	39	44	35	47	35	39	44	38	33	39
51493	NCA10	RES	742	4 VENTANA COURT	742	40	39	44	35	47	35	39	44	38	35	40
51518	NCA10	RES	743	5 VENTANA COURT	743	40	36	41	32	44	33	36	41	35	36	41
51534	NCA10	RES	744	6 VENTANA COURT	744	40	37	42	33	46	34	38	43	36	34	40
51546	NCA10	RES	745	6 VENTANA COURT	745	40	38	43	34	44	32	36	41	35	34	39
51576	NCA10	RES	746	7 VENTANA COURT	746	40	36	41	32	45	33	37	42	36	35	40
51589	NCA10	RES	748	7 VENTANA COURT	748	40	36	41	32	44	32	36	41	34	34	39
51598	NCA10	RES	749	1 WOODHALL PLACE	749	40	35	40	31	41	30	33	38	32	32	37

Predicted sleep disturbance noise levels

No.	NCA	Usage	rec	Address	Unique ID	NML L _{eq} 40 or RBL + 5	L _{eq} dB(A)									
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
51618	NCA10	RES	751	11 WOODHALL PLACE	751	40	33	38	29	40	28	32	37	30	31	37
51622	NCA10	RES	752	11 WOODHALL PLACE	752	40	33	38	29	42	30	34	39	32	31	36
51649	NCA10	RES	753	13 WOODHALL PLACE	753	40	34	39	30	41	30	34	39	32	31	36
51671	NCA10	RES	754	15 WOODHALL PLACE	754	40	33	38	29	39	27	31	36	29	29	34
51680	NCA10	RES	755	15 WOODHALL PLACE	755	40	36	42	33	41	30	34	39	32	31	36
51736	NCA10	RES	756	17 WOODHALL PLACE	756	40	33	38	29	40	29	33	38	31	31	37
51766	NCA10	RES	757	19 WOODHALL PLACE	757	40	35	40	31	41	29	33	38	31	31	37
51768	NCA10	RES	759	2 WOODHALL PLACE	759	40	34	39	30	41	29	33	38	31	29	34
51782	NCA10	RES	760	2 WOODHALL PLACE	760	40	34	39	31	41	30	34	39	32	31	36
51797	NCA10	RES	761	3 WOODHALL PLACE	761	40	34	40	31	41	29	33	38	31	32	37
51820	NCA10	RES	763	4 WOODHALL PLACE	763	40	34	39	30	40	29	32	37	31	28	34
51855	NCA10	RES	765	5 WOODHALL PLACE	765	40	36	42	33	43	31	35	40	34	32	37
51865	NCA10	RES	766	6 WOODHALL PLACE	766	40	31	36	27	39	27	31	36	29	28	34
51875	NCA10	RES	767	6 WOODHALL PLACE	767	40	33	39	30	40	28	32	37	30	28	34
51891	NCA10	RES	768	7 WOODHALL PLACE	768	40	34	39	30	42	31	34	39	33	32	37
51912	NCA10	RES	769	7 WOODHALL PLACE	769	40	34	39	30	43	31	35	40	33	31	37
51917	NCA10	RES	770	9 WOODHALL PLACE	770	40	31	36	27	40	28	32	37	31	31	37
51924	NCA10	RES	771	9 WOODHALL PLACE	771	40	34	39	30	42	30	34	39	32	32	37
51940	NCA10	RES	772	9 WOODHALL PLACE	772	40	33	39	30	40	28	32	37	31	29	35

Predicted sleep disturbance noise levels

No.	NCA	Usage	rec	Address	Unique ID	NML		L _{max} dB(A)									
						RBL + 15	52 or	Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
41142	NCA9	RES	1		5106	52	41	46	37	40	28	32	37	30	36	42	
41148	NCA9	RES	15		5120	52	41	46	37	42	30	34	39	32	37	42	
41154	NCA9	RES	19		5124	52	40	46	37	42	30	34	39	32	37	42	
41165	NCA9	RES	20		5125	52	40	45	36	39	27	31	36	29	38	44	
41174	NCA9	RES	23		5128	52	41	46	37	40	28	31	36	30	37	42	
41181	NCA9	RES	31		5136	52	41	46	37	41	29	33	38	31	37	43	
41187	NCA9	RES	34		5139	52	40	46	37	39	27	31	36	30	37	42	
41204	NCA9	RES	39		5144	52	43	48	39	42	30	34	39	32	39	44	
41220	NCA9	RES	43		5148	52	40	45	36	39	27	31	36	29	37	42	
41223	NCA9	RES	47		5152	52	41	46	37	39	29	33	38	31	37	42	
41229	NCA9	RES	57		5162	52	41	46	37	42	30	34	39	32	39	45	
41234	NCA9	RES	58		5163	52	40	46	37	40	28	32	37	30	36	41	
41244	NCA9	RES	63		5168	52	41	46	37	40	28	32	37	30	39	44	
41251	NCA9	RES	65		5170	52	36	41	32	33	21	25	30	24	38	43	
41255	NCA9	RES	66		5171	52	42	48	39	39	27	31	36	29	38	43	
41259	NCA9	RES	105	117-199 LUDDENHAM ROAD	5210	52	38	44	35	35	23	27	32	25	42	47	
41265	NCA9	RES	106	117-199 LUDDENHAM ROAD	5211	52	39	44	35	35	23	27	32	26	46	51	
41276	NCA9	RES	107	117-199 LUDDENHAM ROAD	5212	52	39	44	35	35	23	27	32	25	45	50	
41280	NCA9	RES	108	117-199 LUDDENHAM ROAD	5213	52	40	46	37	36	24	28	33	27	46	52	
41295	NCA9	RES	109	117-199 LUDDENHAM ROAD	5214	52	39	45	36	35	23	27	32	26	46	51	
41300	NCA9	RES	113	117-199 LUDDENHAM ROAD	5218	52	39	45	36	35	24	27	32	26	45	50	
41306	NCA9	RES	116	117-199 LUDDENHAM ROAD	5221	52	40	45	36	38	26	30	35	28	47	52	
41311	NCA9	RES	118	117-199 LUDDENHAM ROAD	5223	52	39	44	36	35	23	27	32	25	44	50	
41315	NCA9	RES	119	117-199 LUDDENHAM ROAD	5224	52	42	47	38	38	26	30	35	28	49	54	
41321	NCA9	RES	126	117-199 LUDDENHAM ROAD	5231	52	39	44	35	32	20	24	29	22	45	51	
41326	NCA9	RES	128	182-200 LUDDENHAM ROAD	5233	52	41	46	37	38	26	29	34	28	42	47	
41333	NCA9	RES	129	182-200 LUDDENHAM ROAD	5234	52	41	46	37	37	26	29	34	28	42	48	
41339	NCA9	RES	132	202-210 LUDDENHAM ROAD	5237	52	41	47	38	38	27	30	35	29	42	47	
41346	NCA9	RES	133	202-210 LUDDENHAM ROAD	5238	52	37	42	33	41	29	33	38	31	44	49	
41351	NCA9	RES	134	202-210 LUDDENHAM ROAD	5239	52	44	49	40	39	28	32	37	30	42	47	
41364	NCA9	RES	135	212-214 LUDDENHAM ROAD	5240	52	40	46	37	38	27	30	35	29	42	47	
41380	NCA9	RES	137	212-214 LUDDENHAM ROAD	5242	52	44	49	40	41	29	33	38	32	44	49	
41404	NCA9	RES	139	212-214 LUDDENHAM ROAD	5244	52	40	46	37	39	27	31	36	29	44	50	
41412	NCA9	RES	140	212-214 LUDDENHAM ROAD	5245	52	37	43	34	33	22	25	30	24	41	47	
41417	NCA9	RES	142	216 LUDDENHAM ROAD	5247	52	41	47	38	39	27	31	36	29	41	46	
41426	NCA9	RES	144	216 LUDDENHAM ROAD	5249	52	42	47	38	39	27	31	36	29	42	47	
41437	NCA9	RES	146	216 LUDDENHAM ROAD	5251	52	39	44	35	37	26	30	35	28	44	49	
41442	NCA9	RES	173	221-227 LUDDENHAM ROAD	5278	52	43	48	39	38	26	30	35	29	44	49	
41445	NCA9	RES	174	221-227 LUDDENHAM ROAD	5279	52	43	48	39	42	30	34	39	32	42	47	
41454	NCA9	RES	203	221-227 LUDDENHAM ROAD	5308	52	46	51	42	43	31	35	40	33	44	49	
41459	NCA9	RES	209	221-227 LUDDENHAM ROAD	5314	52	43	48	40	40	28	32	37	30	44	49	

Predicted sleep disturbance noise levels

No.	NCA	Usage	rec	Address	Unique ID	NML												
						L _{max} dB(A)												
						L _{max} 52 or RBL + 15	Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16		
41466	NCA9	RES	224	222-224 LUDDENHAM ROAD	5329	52	42	47	38	39	27	31	36	29	41	46		
41478	NCA9	RES	228	222B LUDDENHAM ROAD	5333	52	42	47	38	40	29	33	38	31	44	49		
41486	NCA9	RES	229	226-228 LUDDENHAM ROAD	5334	52	42	47	38	34	27	30	35	29	40	46		
41496	NCA9	RES	230	226-228 LUDDENHAM ROAD	5335	52	42	48	39	39	28	31	36	30	41	47		
41501	NCA9	RES	232	226-228 LUDDENHAM ROAD	5337	52	41	46	37	39	27	31	36	29	41	46		
41506	NCA9	RES	234	229-231 LUDDENHAM ROAD	5339	52	46	52	43	43	32	35	40	34	46	51		
41521	NCA9	RES	243	230-234 LUDDENHAM ROAD	5348	52	45	50	41	42	30	34	39	33	43	49		
41529	NCA9	RES	244	230-234 LUDDENHAM ROAD	5349	52	42	47	38	39	27	31	36	30	40	46		
41536	NCA9	RES	246	233-249 LUDDENHAM ROAD	5351	52	44	49	40	41	29	33	38	31	45	50		
41550	NCA9	RES	252	236-238 LUDDENHAM ROAD	5357	52	45	50	41	42	31	34	39	33	41	46		
41559	NCA9	RES	255	236-238 LUDDENHAM ROAD	5360	52	42	48	39	39	28	31	36	30	41	46		
41564	NCA9	RES	256	240-244 LUDDENHAM ROAD	5361	52	29	34	25	30	18	22	27	20	40	46		
41569	NCA9	RES	259	240-244 LUDDENHAM ROAD	5364	52	39	45	36	35	24	28	33	26	42	47		
41585	NCA9	RES	261	240-244 LUDDENHAM ROAD	5366	52	45	50	42	43	31	35	40	33	43	49		
41591	NCA9	RES	263	246-248 LUDDENHAM ROAD	5368	52	42	47	38	40	28	32	37	30	40	45		
41608	NCA9	RES	264	246-248 LUDDENHAM ROAD	5369	52	43	48	39	40	29	32	37	31	41	46		
41615	NCA9	RES	267	246-248 LUDDENHAM ROAD	5372	52	37	42	33	36	24	28	33	27	41	46		
41621	NCA9	RES	268	250-254 LUDDENHAM ROAD	5373	52	41	47	38	40	28	32	37	30	39	44		
41624	NCA9	RES	269	250-254 LUDDENHAM ROAD	5374	52	42	47	39	40	28	32	37	31	40	45		
41633	NCA9	RES	270	250-254 LUDDENHAM ROAD	5375	52	45	50	41	40	28	32	37	31	42	47		
41647	NCA9	RES	272	250-254 LUDDENHAM ROAD	5377	52	43	48	39	41	29	33	38	31	41	46		
41658	NCA9	RES	274	250-254 LUDDENHAM ROAD	5379	52	42	48	39	43	31	35	40	33	40	45		
41662	NCA9	RES	276	251-261 LUDDENHAM ROAD	5381	52	46	52	43	44	32	36	41	34	43	48		
41667	NCA9	RES	280	251-261 LUDDENHAM ROAD	5385	52	44	50	41	42	30	33	38	32	42	47		
41678	NCA9	RES	281	256 LUDDENHAM ROAD	5386	52	43	48	39	41	29	33	38	31	43	48		
41695	NCA9	RES	282	256 LUDDENHAM ROAD	5387	52	42	48	39	41	29	32	37	31	42	47		
41702	NCA9	RES	283	262-266 LUDDENHAM ROAD	5388	52	43	48	39	41	29	33	38	32	40	45		
41707	NCA9	RES	284	262-266 LUDDENHAM ROAD	5389	52	43	48	39	41	29	33	38	31	39	45		
41712	NCA9	RES	285	262-266 LUDDENHAM ROAD	5390	52	43	49	40	41	29	33	38	32	40	45		
41718	NCA9	RES	289	262-266 LUDDENHAM ROAD	5394	52	43	49	40	41	29	33	38	31	40	46		
41727	NCA9	RES	290	263-273 LUDDENHAM ROAD	5395	52	44	49	40	42	30	34	39	33	44	49		
41730	NCA9	RES	292	268-288 LUDDENHAM ROAD	5397	52	44	49	40	42	30	34	39	33	40	45		
41735	NCA9	RES	293	275-285 LUDDENHAM ROAD	5398	52	45	51	42	43	31	35	40	33	43	48		
41740	NCA9	RES	297	275-285 LUDDENHAM ROAD	5402	52	43	49	40	41	30	34	39	32	43	48		
41753	NCA9	RES	298	275-285 LUDDENHAM ROAD	5403	52	47	52	43	42	31	35	40	33	42	47		
41761	NCA9	RES	299	275A LUDDENHAM ROAD	5404	52	45	51	42	43	31	35	40	33	43	48		
41777	NCA9	RES	302	275A LUDDENHAM ROAD	5407	52	46	51	42	45	33	37	42	35	44	49		
41794	NCA9	RES	303	287 LUDDENHAM ROAD	5408	52	45	51	42	44	32	35	40	34	44	49		
41798	NCA9	RES	305	287 LUDDENHAM ROAD	5410	52	45	51	42	46	34	38	43	36	42	47		
41818	NCA9	RES	307	289-317 LUDDENHAM ROAD	5412	52	47	52	43	44	32	36	41	35	44	49		
41830	NCA9	RES	308	289-317 LUDDENHAM ROAD	5413	52	49	54	45	44	32	36	41	35	43	48		

Predicted sleep disturbance noise levels

No.	NCA	Usage	rec	Address	Unique ID	NML		L _{max} dB(A)									
						L _{max} 52 or RBL + 15	Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16	
41841	NCA9	RES	309	31-39 LUDDENHAM ROAD	5414	52	32	38	29	29	18	22	27	20	34	39	
41846	NCA9	RES	312	319-325 LUDDENHAM ROAD	5417	52	51	56	47	47	35	38	43	37	46	51	
41851	NCA9	RES	313	319-325 LUDDENHAM ROAD	5418	52	47	53	44	46	34	38	43	36	44	49	
41861	NCA9	RES	314	319-325 LUDDENHAM ROAD	5419	52	51	56	47	49	37	41	46	39	45	50	
41867	NCA9	RES	315	319-325 LUDDENHAM ROAD	5420	52	49	54	45	48	37	41	46	39	45	50	
41875	NCA9	RES	317	319-325 LUDDENHAM ROAD	5422	52	47	52	43	46	34	38	43	36	43	49	
41887	NCA9	RES	319	320-326 LUDDENHAM ROAD	5424	52	46	51	42	46	34	37	42	36	40	45	
40923	NCA9	RES	321	327-329 LUDDENHAM ROAD	5426	52	63	68	59	49	38	42	47	40	62	68	
41903	NCA9	RES	322	43A LUDDENHAM ROAD	5427	52	36	41	33	34	22	26	31	24	39	44	
41910	NCA9	RES	323	43A LUDDENHAM ROAD	5428	52	37	42	33	33	21	25	30	23	42	47	
41913	NCA9	RES	325	43A LUDDENHAM ROAD	5430	52	37	42	33	33	21	25	30	24	43	49	
41923	NCA9	RES	328	43A LUDDENHAM ROAD	5433	52	40	45	36	36	24	28	33	26	46	51	
41932	NCA9	RES	331	43A LUDDENHAM ROAD	5436	52	37	42	33	33	21	25	30	24	43	49	
41940	NCA9	RES	343	573-577 MAMRE ROAD	5448	52	38	43	34	37	25	29	34	27	34	39	
41951	NCA9	RES	344	573-577 MAMRE ROAD	5449	52	35	41	32	35	23	27	32	25	32	37	
41960	NCA9	RES	346	43466 MANDALONG CLOSE	5451	52	35	40	31	33	21	25	30	24	34	40	
41980	NCA9	RES	348	21A MANDALONG CLOSE	5453	52	37	43	34	36	25	28	33	27	34	40	
42000	NCA9	RES	349	21A MANDALONG CLOSE	5454	52	35	40	31	34	22	26	31	25	32	37	
42005	NCA9	RES	351	25-31 MANDALONG CLOSE	5456	52	35	40	32	34	22	26	31	24	33	38	
42013	NCA9	RES	353	25-31 MANDALONG CLOSE	5458	52	35	40	32	34	22	26	31	24	33	38	
42037	NCA9	RES	354	25-31 MANDALONG CLOSE	5459	52	38	43	34	36	24	28	33	27	35	41	
42047	NCA9	RES	355	33-41 MANDALONG CLOSE	5460	52	35	41	32	34	22	26	31	24	33	39	
42061	NCA9	RES	356	33-41 MANDALONG CLOSE	5461	52	38	43	34	36	25	28	33	27	35	40	
42079	NCA9	RES	357	33-41 MANDALONG CLOSE	5462	52	36	41	32	34	22	26	31	25	34	39	
42089	NCA9	RES	360	43-51 MANDALONG CLOSE	5465	52	36	41	33	35	23	27	32	25	34	40	
42092	NCA9	RES	361	43-51 MANDALONG CLOSE	5466	52	29	34	25	27	15	19	24	18	35	40	
42096	NCA9	RES	362	43-51 MANDALONG CLOSE	5467	52	36	41	32	34	23	26	31	25	34	39	
42108	NCA9	RES	363	43-51 MANDALONG CLOSE	5468	52	38	44	35	37	25	29	34	27	35	41	
42137	NCA9	RES	364	53-63 MANDALONG CLOSE	5469	52	36	42	33	35	23	27	32	25	35	40	
42140	NCA9	RES	366	53-63 MANDALONG CLOSE	5471	52	33	38	29	34	23	26	31	25	33	38	
42161	NCA9	RES	367	53-63 MANDALONG CLOSE	5472	52	39	44	35	37	26	29	34	28	37	42	
42181	NCA9	RES	368	53-63 MANDALONG CLOSE	5473	52	39	44	35	37	25	29	34	28	37	43	
42193	NCA9	RES	370	65-73 MANDALONG CLOSE	5475	52	37	42	34	36	24	28	33	26	35	41	
42205	NCA9	RES	373	65-73 MANDALONG CLOSE	5478	52	37	43	34	38	26	30	35	28	38	43	
42220	NCA9	RES	374	65-73 MANDALONG CLOSE	5479	52	38	43	34	36	24	28	33	26	36	41	
42236	NCA9	RES	375	65-73 MANDALONG CLOSE	5480	52	38	43	34	38	27	30	35	29	36	41	
42250	NCA9	RES	376	75-77 MANDALONG CLOSE	5481	52	40	45	36	39	27	31	36	29	39	44	
42265	NCA9	RES	377	79-81 MANDALONG CLOSE	5482	52	38	43	34	36	24	28	33	26	38	43	
42281	NCA9	RES	380	79-81 MANDALONG CLOSE	5485	52	40	46	37	38	27	30	35	29	40	45	
42287	NCA9	RES	381	79-81 MANDALONG CLOSE	5486	52	40	46	37	38	27	30	35	29	37	42	
42296	NCA9	RES	382	79-81 MANDALONG CLOSE	5487	52	38	44	35	36	24	28	33	26	37	43	

Predicted sleep disturbance noise levels

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						L _{max} 52 or RBL + 15	Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16	
42300	NCA9	RES	384	79-81 MANDALONG CLOSE	5489	52	38	43	34	36	24	28	33	26	37	42	
42318	NCA9	RES	385	79-81 MANDALONG CLOSE	5490	52	37	43	34	35	24	27	32	26	36	42	
42326	NCA9	RES	386	79-81 MANDALONG CLOSE	5491	52	38	43	34	36	24	28	33	26	38	43	
42331	NCA9	RES	387	79-81 MANDALONG CLOSE	5492	52	38	43	34	36	24	28	33	26	37	42	
42347	NCA9	RES	392	83-91 MANDALONG CLOSE	5497	52	37	42	34	35	23	27	32	26	37	43	
42367	NCA9	RES	393	83-91 MANDALONG CLOSE	5498	52	39	45	36	37	25	29	34	28	36	42	
42386	NCA9	RES	396	83-91 MANDALONG CLOSE	5501	52	37	42	33	35	23	27	32	25	36	41	
42390	NCA9	RES	398	83-91 MANDALONG CLOSE	5503	52	37	42	33	22	11	15	20	13	39	44	
42396	NCA9	RES	755	2042-2550 THE NORTHERN ROAD	6271	52	38	44	35	34	23	27	32	25	33	38	
42412	NCA9	RES	756	2042-2550 THE NORTHERN ROAD	6272	52	39	44	35	35	24	28	33	26	32	38	
42415	NCA9	RES	761	2042-2550 THE NORTHERN ROAD	6277	52	38	44	35	34	24	27	32	26	32	37	
42428	NCA9	RES	762	2042-2550 THE NORTHERN ROAD	6278	52	38	43	34	34	23	27	32	25	31	36	
42429	NCA9	RES	763	2042-2550 THE NORTHERN ROAD	6279	52	39	44	36	35	24	28	33	26	33	38	
42443	NCA9	RES	766	2042-2550 THE NORTHERN ROAD	6282	52	38	44	35	34	23	27	32	25	32	37	
42447	NCA9	RES	767	2042-2550 THE NORTHERN ROAD	6283	52	38	44	35	34	23	27	32	25	32	37	
42460	NCA9	RES	769	2042-2550 THE NORTHERN ROAD	6285	52	38	44	35	34	25	28	33	27	32	37	
42476	NCA9	RES	772	2042-2550 THE NORTHERN ROAD	6288	52	40	45	36	35	26	30	35	28	34	39	
42496	NCA9	RES	774	2042-2550 THE NORTHERN ROAD	6290	52	37	42	33	33	22	26	31	24	30	35	
44920	NCA10	RES	16	1669A ELIZABETH DRIVE	16	52	29	35	26	34	22	26	31	25	31	36	
44935	NCA10	RES	26	1669A ELIZABETH DRIVE	26	52	32	37	28	36	25	28	33	27	31	36	
44940	NCA10	RES	52	1783-1789 ELIZABETH DRIVE	52	52	27	32	23	31	20	23	28	22	29	35	
44950	NCA10	RES	81	1953-2109 ELIZABETH DRIVE	81	52	30	35	26	33	22	26	31	24	33	38	
44958	NCA10	RES	82	1953-2109 ELIZABETH DRIVE	82	52	29	35	26	34	23	27	32	25	33	39	
44966	NCA10	RES	88	1953-2109 ELIZABETH DRIVE	88	52	33	38	29	37	26	30	35	28	37	42	
44980	NCA10	RES	97	707A MAMRE ROAD	97	52	40	46	37	42	30	34	39	32	35	40	
44996	NCA10	RES	99	707A MAMRE ROAD	99	52	41	46	37	42	30	34	39	33	34	39	
45026	NCA10	RES	104	3 BRIDPORT PLACE	104	52	38	43	35	44	33	37	42	35	44	50	
45028	NCA10	RES	105	4 BRIDPORT PLACE	105	52	42	47	38	48	37	40	45	39	45	51	
45035	NCA10	RES	106	4 BRIDPORT PLACE	106	52	39	45	36	48	37	40	45	39	45	50	
45070	NCA10	RES	107	10 COMARGO LANE	107	52	50	55	46	50	38	41	46	40	43	48	
45085	NCA10	RES	108	2 COMARGO LANE	108	52	46	51	42	48	36	40	45	38	39	45	
45101	NCA10	RES	109	2 COMARGO LANE	109	52	49	54	45	51	39	43	48	41	43	48	
45125	NCA10	RES	111	4 COMARGO LANE	111	52	49	54	45	49	37	40	45	39	43	48	
45138	NCA10	RES	112	6 COMARGO LANE	112	52	47	52	43	52	39	43	48	41	41	46	
45151	NCA10	RES	113	8 COMARGO LANE	113	52	47	52	43	49	37	40	45	39	41	46	
45165	NCA10	RES	114	2 CRYSTAL DOWNS CLOSE	114	52	44	49	40	50	38	41	46	40	37	42	
45179	NCA10	RES	115	3 CRYSTAL DOWNS CLOSE	115	52	44	49	40	49	37	41	46	40	39	44	
45206	NCA10	RES	116	4 CRYSTAL DOWNS CLOSE	116	52	44	49	40	51	37	41	46	39	41	46	
45215	NCA10	RES	118	5 CRYSTAL DOWNS CLOSE	118	52	43	49	40	51	39	43	48	42	39	44	
45238	NCA10	RES	119	6 CRYSTAL DOWNS CLOSE	119	52	46	51	42	52	39	43	48	42	39	45	
45264	NCA10	RES	120	7 CRYSTAL DOWNS CLOSE	120	52	46	51	42	51	39	43	48	41	39	45	

Predicted sleep disturbance noise levels

No.	NCA	Usage	rec	Address	Unique ID	NML													
						L _{max} dB(A)													
						L _{max} 52 or RBL + 15	Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16			
45275	NCA10	RES	121	8 CRYSTAL DOWNS CLOSE	121	52	44	49	40	51	39	43	48	41	38	44			
45288	NCA10	RES	122	10 DORAL GROVE	122	52	46	51	43	53	41	44	49	43	40	45			
45306	NCA10	RES	125	11 DORAL GROVE	125	52	45	50	41	50	38	42	47	40	38	44			
45312	NCA10	RES	126	3 DORAL GROVE	126	52	46	51	42	53	41	45	50	43	40	45			
45335	NCA10	RES	127	4 DORAL GROVE	127	52	44	49	40	53	41	45	50	43	40	45			
45354	NCA10	RES	128	5 DORAL GROVE	128	52	46	52	43	53	41	45	50	43	41	46			
45365	NCA10	RES	129	6 DORAL GROVE	129	52	44	50	41	51	39	43	48	41	39	44			
45385	NCA10	RES	131	7 DORAL GROVE	131	52	44	50	41	51	39	43	48	41	39	44			
45405	NCA10	RES	132	8 DORAL GROVE	132	52	44	49	40	51	38	42	47	41	39	44			
45419	NCA10	RES	133	9 DORAL GROVE	133	52	45	50	41	51	40	44	49	42	40	46			
45443	NCA10	RES	137	2111-2141 ELIZABETH DRIVE	137	52	30	35	26	33	22	26	31	24	32	37			
45460	NCA10	RES	146	10 FARMINGDALE COURT	146	52	38	43	34	44	33	36	41	35	41	46			
45480	NCA10	RES	148	11 FARMINGDALE COURT	148	52	36	42	33	42	31	35	40	33	42	47			
45506	NCA10	RES	149	12 FARMINGDALE COURT	149	52	41	46	37	47	35	39	44	37	45	50			
45538	NCA10	RES	150	14 FARMINGDALE COURT	150	52	42	47	38	48	37	40	45	39	47	52			
45563	NCA10	RES	151	14 FARMINGDALE COURT	151	52	38	43	35	44	33	37	42	35	45	50			
45591	NCA10	RES	152	16 FARMINGDALE COURT	152	52	37	42	33	45	34	38	43	36	44	49			
45599	NCA10	RES	153	17 FARMINGDALE COURT	153	52	40	45	36	45	34	38	43	36	42	47			
45618	NCA10	RES	154	17 FARMINGDALE COURT	154	52	32	37	28	42	30	34	39	33	40	46			
45622	NCA10	RES	155	18 FARMINGDALE COURT	155	52	38	43	34	43	32	36	41	34	42	47			
45635	NCA10	RES	156	18 FARMINGDALE COURT	156	52	40	46	37	46	35	38	43	37	44	50			
45645	NCA10	RES	157	2 FARMINGDALE COURT	157	52	41	46	37	46	35	39	44	37	43	49			
45667	NCA10	RES	159	22 FARMINGDALE COURT	159	52	40	45	36	45	34	38	43	36	43	49			
45710	NCA10	RES	160	5 FARMINGDALE COURT	160	52	40	45	36	45	34	38	43	36	43	48			
45732	NCA10	RES	161	6 FARMINGDALE COURT	161	52	40	46	37	46	35	38	43	37	42	48			
45747	NCA10	RES	162	6 FARMINGDALE COURT	162	52	33	38	29	44	33	36	41	35	43	48			
45769	NCA10	RES	163	7 FARMINGDALE COURT	163	52	40	45	36	45	34	38	43	36	42	48			
45789	NCA10	RES	165	7 FARMINGDALE COURT	165	52	37	43	34	43	31	35	40	34	40	45			
45794	NCA10	RES	166	8 FARMINGDALE COURT	166	52	40	45	36	46	35	38	43	37	42	47			
45822	NCA10	RES	167	9 FARMINGDALE COURT	167	52	37	42	34	43	31	35	40	33	39	45			
45845	NCA10	RES	169	10 GANTON WAY	169	52	39	44	35	46	33	37	42	35	41	46			
45880	NCA10	RES	170	12 GANTON WAY	170	52	41	46	37	47	35	39	44	38	41	46			
45898	NCA10	RES	171	16 GANTON WAY	171	52	40	46	37	46	35	38	43	37	41	46			
45938	NCA10	RES	172	18 GANTON WAY	172	52	40	46	37	46	35	38	43	37	41	47			
45970	NCA10	RES	174	2 GANTON WAY	174	52	41	47	38	47	36	39	44	38	38	43			
45989	NCA10	RES	176	4 GANTON WAY	176	52	41	46	38	47	35	39	44	38	39	44			
46002	NCA10	RES	177	6 GANTON WAY	177	52	41	47	38	47	36	40	45	38	41	46			
46030	NCA10	RES	178	6 GANTON WAY	178	52	39	44	35	47	36	40	45	38	41	46			
46039	NCA10	RES	179	8 GANTON WAY	179	52	39	44	35	44	33	37	42	35	41	46			
46052	NCA10	RES	180	10 HALMSTAD BOULEVARD	180	52	40	45	36	47	36	40	45	38	41	46			
46065	NCA10	RES	181	10 HALMSTAD BOULEVARD	181	52	43	48	40	50	38	42	47	41	41	46			

Predicted sleep disturbance noise levels

No.	NCA	Usage	rec	Address	Unique ID	NML											
						L _{max} dB(A)											
						L _{max} 52 or RBL + 15	Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16	
46076	NCA10	RES	182	10 HALMSTAD BOULEVARD	182	52	41	46	37	48	36	40	45	38	40	45	
46082	NCA10	RES	184	11 HALMSTAD BOULEVARD	184	52	44	49	41	51	40	44	49	42	44	49	
46105	NCA10	RES	185	11 HALMSTAD BOULEVARD	185	52	42	47	38	49	38	41	46	40	42	47	
46111	NCA10	RES	186	12 HALMSTAD BOULEVARD	186	52	41	46	37	49	38	41	46	40	41	46	
46125	NCA10	RES	187	12 HALMSTAD BOULEVARD	187	52	43	48	39	50	38	42	47	40	44	49	
46136	NCA10	RES	188	13 HALMSTAD BOULEVARD	188	52	44	49	40	51	39	43	48	42	43	48	
46141	NCA10	RES	189	13 HALMSTAD BOULEVARD	189	52	44	49	40	51	39	43	48	42	43	48	
46158	NCA10	RES	190	14 HALMSTAD BOULEVARD	190	52	40	46	37	47	36	39	44	38	42	47	
46178	NCA10	RES	191	14 HALMSTAD BOULEVARD	191	52	39	44	35	46	35	39	44	37	41	46	
46201	NCA10	RES	192	15 HALMSTAD BOULEVARD	192	52	41	47	38	49	38	42	47	40	44	50	
46204	NCA10	RES	193	15 HALMSTAD BOULEVARD	193	52	41	46	38	48	37	41	46	39	42	48	
46214	NCA10	RES	194	17 HALMSTAD BOULEVARD	194	52	41	46	37	50	39	42	47	41	45	50	
46236	NCA10	RES	195	19 HALMSTAD BOULEVARD	195	52	41	46	37	47	36	40	45	38	45	50	
46252	NCA10	RES	196	19 HALMSTAD BOULEVARD	196	52	41	46	37	47	36	40	45	38	43	48	
46255	NCA10	RES	197	20 HALMSTAD BOULEVARD	197	52	40	45	36	46	34	38	43	37	44	49	
46260	NCA10	RES	198	20 HALMSTAD BOULEVARD	198	52	40	45	36	46	34	38	43	37	41	46	
46272	NCA10	RES	199	20 HALMSTAD BOULEVARD	199	52	42	47	39	48	37	41	46	39	44	50	
46296	NCA10	RES	200	22 HALMSTAD BOULEVARD	200	52	39	44	36	48	34	38	43	36	42	47	
46323	NCA10	RES	201	23 HALMSTAD BOULEVARD	201	52	43	48	39	49	39	43	48	41	45	50	
46329	NCA10	RES	203	24 HALMSTAD BOULEVARD	203	52	39	44	35	45	34	37	42	36	40	45	
46354	NCA10	RES	204	24 HALMSTAD BOULEVARD	204	52	40	46	37	48	37	41	46	39	44	49	
46355	NCA10	RES	205	25 HALMSTAD BOULEVARD	205	52	40	45	36	46	35	39	44	37	43	48	
46375	NCA10	RES	206	25 HALMSTAD BOULEVARD	206	52	41	46	38	49	37	41	46	40	45	50	
46393	NCA10	RES	207	26 HALMSTAD BOULEVARD	207	52	39	44	35	45	33	37	42	35	40	46	
46401	NCA10	RES	208	26 HALMSTAD BOULEVARD	208	52	37	43	34	47	36	39	44	38	43	48	
46420	NCA10	RES	209	27 HALMSTAD BOULEVARD	209	52	40	45	36	48	37	41	46	39	44	50	
46429	NCA10	RES	211	28 HALMSTAD BOULEVARD	211	52	40	45	36	46	35	38	43	37	43	48	
46447	NCA10	RES	212	28 HALMSTAD BOULEVARD	212	52	39	44	35	44	33	37	42	35	39	44	
46454	NCA10	RES	213	3 HALMSTAD BOULEVARD	213	52	45	50	41	52	41	44	49	43	44	49	
46475	NCA10	RES	214	39 HALMSTAD BOULEVARD	214	52	40	46	37	46	34	38	43	37	42	47	
46487	NCA10	RES	215	4 HALMSTAD BOULEVARD	215	52	44	49	40	52	40	44	49	42	43	48	
46521	NCA10	RES	216	4 HALMSTAD BOULEVARD	216	52	44	49	40	51	39	43	48	41	40	45	
46529	NCA10	RES	218	5 HALMSTAD BOULEVARD	218	52	42	48	39	52	41	44	49	43	44	49	
46553	NCA10	RES	219	7 HALMSTAD BOULEVARD	219	52	45	50	41	52	40	44	49	43	42	48	
46572	NCA10	RES	220	8 HALMSTAD BOULEVARD	220	52	44	49	40	51	39	43	48	41	43	48	
46579	NCA10	RES	221	8 HALMSTAD BOULEVARD	221	52	44	49	40	50	39	42	47	41	43	48	
46586	NCA10	RES	222	8 HALMSTAD BOULEVARD	222	52	41	46	38	48	37	40	45	39	43	48	
46614	NCA10	RES	223	1 HUMEWOOD PLACE	223	52	42	48	39	48	37	41	46	39	41	46	
46616	NCA10	RES	224	10 HUMEWOOD PLACE	224	52	39	44	35	47	35	39	44	38	41	46	
46626	NCA10	RES	225	10 HUMEWOOD PLACE	225	52	42	47	38	49	38	42	47	40	42	47	
46651	NCA10	RES	228	11 HUMEWOOD PLACE	228	52	42	47	38	48	36	40	45	39	42	48	

Predicted sleep disturbance noise levels

No.	NCA	Usage	rec	Address	Unique ID	NML		L _{max} dB(A)									
						RBL + 15	52 or	Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
46666	NCA10	RES	229	11 HUMEWOOD PLACE	229	52	39	44	35	45	34	37	42	36	39	44	
46670	NCA10	RES	230	12 HUMEWOOD PLACE	230	52	42	47	39	49	37	41	46	40	43	48	
46692	NCA10	RES	231	14 HUMEWOOD PLACE	231	52	42	48	39	48	37	41	46	39	41	46	
46716	NCA10	RES	232	15 HUMEWOOD PLACE	232	52	39	44	35	46	34	38	43	37	42	47	
46736	NCA10	RES	233	2 HUMEWOOD PLACE	233	52	38	43	35	46	35	39	44	37	41	46	
46743	NCA10	RES	234	2 HUMEWOOD PLACE	234	52	39	44	35	48	37	40	45	39	39	44	
46751	NCA10	RES	235	2 HUMEWOOD PLACE	235	52	40	46	37	47	35	39	44	38	40	45	
46778	NCA10	RES	236	2 HUMEWOOD PLACE	236	52	38	43	34	46	34	38	43	37	39	44	
46784	NCA10	RES	237	22 HUMEWOOD PLACE	237	52	39	44	35	45	33	37	42	36	40	45	
46801	NCA10	RES	239	22 HUMEWOOD PLACE	239	52	39	44	35	47	36	40	45	38	41	47	
46829	NCA10	RES	240	24 HUMEWOOD PLACE	240	52	41	46	37	47	35	39	44	38	40	45	
46832	NCA10	RES	241	24 HUMEWOOD PLACE	241	52	38	44	35	44	33	37	42	35	40	45	
46835	NCA10	RES	242	3 HUMEWOOD PLACE	242	52	39	45	36	46	34	38	43	36	37	43	
46852	NCA10	RES	243	3 HUMEWOOD PLACE	243	52	42	47	39	48	34	38	43	37	39	44	
46879	NCA10	RES	244	4 HUMEWOOD PLACE	244	52	40	46	37	47	35	39	44	37	40	45	
46883	NCA10	RES	246	5 HUMEWOOD PLACE	246	52	34	39	30	46	34	38	43	37	41	46	
46892	NCA10	RES	247	5 HUMEWOOD PLACE	247	52	40	45	36	46	34	38	43	37	42	47	
46905	NCA10	RES	249	5 HUMEWOOD PLACE	249	52	39	44	35	45	34	38	43	36	41	46	
46926	NCA10	RES	250	6 HUMEWOOD PLACE	250	52	43	48	39	49	38	41	46	40	40	45	
46940	NCA10	RES	252	7 HUMEWOOD PLACE	252	52	39	45	36	46	34	38	43	36	39	44	
46951	NCA10	RES	253	7 HUMEWOOD PLACE	253	52	40	45	36	46	35	38	43	37	42	47	
46979	NCA10	RES	254	9 HUMEWOOD PLACE	254	52	42	47	38	48	37	41	46	39	40	45	
46986	NCA10	RES	256	9 HUMEWOOD PLACE	256	52	41	47	38	48	37	40	45	39	40	45	
46994	NCA10	RES	258	336-348 LUDDENHAM ROAD	258	52	47	52	43	47	35	39	44	37	40	45	
47000	NCA10	RES	265	339-363 LUDDENHAM ROAD	265	52	48	53	44	48	36	40	45	38	42	47	
47005	NCA10	RES	275	405-423 LUDDENHAM ROAD	275	52	54	59	50	54	41	45	50	44	47	53	
47015	NCA10	RES	279	425-441 LUDDENHAM ROAD	279	52	51	56	47	59	45	49	54	48	45	50	
47023	NCA10	RES	288	425A LUDDENHAM ROAD	288	52	54	59	51	62	49	53	58	51	47	53	
47046	NCA10	RES	292	443-457 LUDDENHAM ROAD	292	52	59	64	56	65	52	56	61	54	52	58	
47060	NCA10	RES	297	581 LUDDENHAM ROAD	297	52	55	61	52	67	64	68	73	66	53	58	
47067	NCA10	RES	302	611-639 LUDDENHAM ROAD	302	52	45	50	41	51	40	43	48	42	55	60	
47073	NCA10	RES	304	611A LUDDENHAM ROAD	304	52	44	49	40	49	38	42	47	40	52	57	
47077	NCA10	RES	308	641-675 LUDDENHAM ROAD	308	52	41	46	37	44	33	37	42	36	44	49	
47101	NCA10	RES	311	644-652 LUDDENHAM ROAD	311	52	43	48	40	49	38	42	47	40	57	62	
47107	NCA10	RES	314	654-658 LUDDENHAM ROAD	314	52	42	48	39	49	38	41	46	40	54	60	
47112	NCA10	RES	319	660-670 LUDDENHAM ROAD	319	52	41	46	38	46	35	39	44	37	49	54	
47118	NCA10	RES	321	672-686 LUDDENHAM ROAD	321	52	40	45	36	45	34	38	43	36	47	53	
47137	NCA10	RES	324	672-686 LUDDENHAM ROAD	324	52	41	46	37	47	36	40	45	38	49	54	
47167	NCA10	RES	329	677-691 LUDDENHAM ROAD	329	52	41	46	37	45	34	37	42	36	48	53	
47183	NCA10	RES	334	688-708 LUDDENHAM ROAD	334	52	42	47	39	47	36	39	44	38	48	54	
47196	NCA10	RES	335	688-708 LUDDENHAM ROAD	335	52	39	44	35	43	32	36	41	34	44	50	

Predicted sleep disturbance noise levels

No.	NCA	Usage	rec	Address	Unique ID	NML											
						L _{max} dB(A)											
						L _{max} 52 or RBL + 15	Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16	
47202	NCA10	RES	336	688-708 LUDDENHAM ROAD	336	52	39	45	36	44	33	37	42	35	46	51	
47210	NCA10	RES	337	688-708 LUDDENHAM ROAD	337	52	40	45	36	44	33	37	42	35	45	50	
47237	NCA10	RES	342	693-711 LUDDENHAM ROAD	342	52	40	45	37	42	31	35	40	33	40	45	
47242	NCA10	RES	345	2179 ELIZABETH DRIVE	345	52	42	47	38	34	23	26	31	25	32	37	
47243	NCA10	RES	345	693-711 LUDDENHAM ROAD	5861	52	31	37	28	42	31	35	40	34	41	47	
47272	NCA10	RES	349	710-732 LUDDENHAM ROAD	349	52	38	43	34	41	30	34	39	32	42	47	
47276	NCA10	RES	350	2179A ELIZABETH DRIVE	5866	52	31	37	28	33	22	25	30	24	29	35	
47286	NCA10	RES	351	710-732 LUDDENHAM ROAD	351	52	37	43	34	41	30	34	39	32	41	46	
47299	NCA10	RES	352	713-733 LUDDENHAM ROAD	352	52	40	45	36	43	32	36	41	34	42	48	
47307	NCA10	RES	354	2207-2223 ELIZABETH DRIVE	5870	52	27	33	24	30	19	22	27	21	27	32	
47313	NCA10	RES	355	734 LUDDENHAM ROAD	355	52	38	43	34	43	32	36	41	34	43	49	
47315	NCA10	RES	355	2207-2223 ELIZABETH DRIVE	5871	52	28	34	25	30	19	23	28	21	28	33	
47343	NCA10	RES	357	2207-2223 ELIZABETH DRIVE	5873	52	27	33	24	30	19	22	27	21	27	32	
47350	NCA10	RES	358	2207-2223 ELIZABETH DRIVE	5874	52	28	33	24	30	19	23	28	21	28	33	
47356	NCA10	RES	359	734-750 LUDDENHAM ROAD	359	52	39	44	35	42	31	35	40	34	40	46	
47371	NCA10	RES	361	2225-2239 ELIZABETH DRIVE	5877	52	30	35	27	32	21	25	30	23	30	35	
47390	NCA10	RES	363	2225-2239 ELIZABETH DRIVE	5879	52	30	35	26	32	21	25	30	23	30	35	
47400	NCA10	RES	367	752-810 LUDDENHAM ROAD	367	52	35	40	31	40	29	32	37	31	39	44	
47405	NCA10	RES	377	752-810 LUDDENHAM ROAD	377	52	37	42	33	40	29	33	38	31	39	45	
47413	NCA10	RES	379	2510-2550 ELIZABETH DRIVE	5895	52	27	32	23	29	18	21	26	20	27	32	
47447	NCA10	RES	384	812-844 LUDDENHAM ROAD	384	52	34	39	30	37	26	30	35	28	36	41	
47454	NCA10	RES	385	812-844 LUDDENHAM ROAD	385	52	34	39	30	37	26	30	35	28	36	41	
47490	NCA10	RES	386	812-844 LUDDENHAM ROAD	386	52	29	35	26	33	22	26	31	24	33	39	
47499	NCA10	RES	390	2600 ELIZABETH DRIVE	5906	52	27	32	23	28	16	20	25	19	26	31	
47500	NCA10	RES	392	2600 ELIZABETH DRIVE	5908	52	26	31	22	28	17	20	25	19	25	30	
47506	NCA10	RES	394	2600 ELIZABETH DRIVE	5910	52	8	8	8	27	16	20	25	18	25	30	
47535	NCA10	RES	395	765 LUDDENHAM ROAD	5911	52	35	40	31	38	26	30	35	29	36	41	
47541	NCA10	RES	398	765 LUDDENHAM ROAD	5914	52	37	42	33	37	26	30	35	28	38	43	
47553	NCA10	RES	399	765 LUDDENHAM ROAD	5915	52	35	40	31	37	26	30	35	28	38	43	
47561	NCA10	RES	407	777-819 LUDDENHAM ROAD	5923	52	32	37	28	36	24	28	33	27	34	40	
47576	NCA10	RES	409	821 LUDDENHAM ROAD	5925	52	31	36	27	36	25	29	34	27	35	40	
47588	NCA10	RES	421	851-867 LUDDENHAM ROAD	5937	52	33	39	30	36	25	29	34	27	34	40	
47595	NCA10	RES	422	869-885 LUDDENHAM ROAD	5938	52	30	35	26	32	21	25	30	23	31	36	
47601	NCA10	RES	424	869-885 LUDDENHAM ROAD	5940	52	29	35	26	32	21	25	30	23	30	35	
47612	NCA10	RES	429	869-885 LUDDENHAM ROAD	5945	52	30	35	26	32	21	25	30	23	30	36	
47628	NCA10	RES	430	892 LUDDENHAM ROAD	430	52	32	37	28	34	23	27	32	25	32	38	
47648	NCA10	RES	432	869-885 LUDDENHAM ROAD	5948	52	31	37	28	35	24	27	32	26	32	37	
47660	NCA10	RES	435	869A LUDDENHAM ROAD	5951	52	29	34	25	32	21	24	29	23	30	35	
47662	NCA10	RES	437	892B LUDDENHAM ROAD	437	52	28	34	25	31	20	24	29	22	30	35	
47675	NCA10	RES	438	1 MEDINAH AVENUE	438	52	45	50	42	49	37	41	46	39	39	44	
47696	NCA10	RES	439	1 MEDINAH AVENUE	439	52	43	48	39	47	35	38	43	37	36	41	

Predicted sleep disturbance noise levels

No.	NCA	Usage	rec	Address	Unique ID	NML										
						L _{max} dB(A)										
						L _{max} 52 or RBL + 15	Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
47700	NCA10	RES	440	1 MEDINAH AVENUE	440	52	43	48	39	47	35	38	43	37	36	41
47723	NCA10	RES	441	11 MEDINAH AVENUE	441	52	44	49	40	46	34	37	42	36	37	42
47728	NCA10	RES	442	11 MEDINAH AVENUE	442	52	39	44	35	42	30	34	39	32	33	38
47739	NCA10	RES	444	12 MEDINAH AVENUE	444	52	43	48	39	46	34	38	43	36	37	42
47755	NCA10	RES	445	13 MEDINAH AVENUE	445	52	43	49	40	45	33	37	42	35	37	42
47771	NCA10	RES	447	14 MEDINAH AVENUE	447	52	41	46	37	46	34	38	43	36	36	41
47797	NCA10	RES	448	15 MEDINAH AVENUE	448	52	41	46	37	45	33	37	42	35	34	39
47814	NCA10	RES	450	16 MEDINAH AVENUE	450	52	43	49	40	33	22	26	31	24	37	42
47815	NCA10	RES	450	889 LUDDENHAM ROAD	5966	52	31	36	27	48	36	40	45	38	32	37
47842	NCA10	RES	451	17 MEDINAH AVENUE	451	52	37	42	33	45	33	36	41	35	33	38
47852	NCA10	RES	452	17 MEDINAH AVENUE	452	52	40	46	37	45	33	37	42	35	34	39
47864	NCA10	RES	452	889 LUDDENHAM ROAD	5968	52	31	36	28	34	23	27	32	25	32	37
47878	NCA10	RES	453	19 MEDINAH AVENUE	453	52	43	48	39	47	35	39	44	38	36	41
47895	NCA10	RES	454	1A MEDINAH AVENUE	454	52	45	51	42	50	38	41	46	40	39	44
47923	NCA10	RES	455	2 MEDINAH AVENUE	455	52	45	51	42	48	36	39	44	38	39	44
47946	NCA10	RES	456	21 MEDINAH AVENUE	456	52	40	45	37	45	33	37	42	35	33	39
47960	NCA10	RES	457	23 MEDINAH AVENUE	457	52	40	45	36	45	33	37	42	35	33	39
47978	NCA10	RES	458	24 MEDINAH AVENUE	458	52	41	46	37	48	36	40	45	39	37	42
47998	NCA10	RES	459	25 MEDINAH AVENUE	459	52	40	45	36	45	33	37	42	35	33	38
48020	NCA10	RES	460	25 MEDINAH AVENUE	460	52	40	45	36	44	33	36	41	35	33	38
48032	NCA10	RES	461	26 MEDINAH AVENUE	461	52	43	48	39	48	36	40	45	38	36	42
48053	NCA10	RES	462	26 MEDINAH AVENUE	462	52	40	46	37	46	34	37	42	36	34	39
48060	NCA10	RES	463	27 MEDINAH AVENUE	463	52	40	45	36	45	33	37	42	35	33	38
48098	NCA10	RES	464	29 MEDINAH AVENUE	464	52	42	48	39	47	35	39	44	38	36	41
48125	NCA10	RES	466	3 MEDINAH AVENUE	466	52	42	48	39	47	35	38	43	37	36	41
48135	NCA10	RES	467	31 MEDINAH AVENUE	467	52	40	45	36	45	33	37	42	35	33	39
48155	NCA10	RES	468	4 MEDINAH AVENUE	468	52	42	47	38	47	35	39	44	37	36	41
48160	NCA10	RES	469	4 MEDINAH AVENUE	469	52	45	51	42	47	35	39	44	37	39	44
48173	NCA10	RES	470	5 MEDINAH AVENUE	470	52	42	47	39	46	34	38	43	37	36	41
48197	NCA10	RES	471	6 MEDINAH AVENUE	471	52	45	50	41	49	37	41	46	39	38	44
48209	NCA10	RES	473	7 MEDINAH AVENUE	473	52	44	50	41	48	36	40	45	39	38	43
48248	NCA10	RES	474	8 MEDINAH AVENUE	474	52	45	50	41	49	38	42	47	40	38	44
48254	NCA10	RES	475	9 MEDINAH AVENUE	475	52	41	46	38	45	33	37	42	35	35	40
48260	NCA10	RES	476	9 MEDINAH AVENUE	476	52	41	47	38	46	34	38	43	36	35	40
48282	NCA10	RES	477	10 PENNARD CRESCENT	477	52	42	47	38	49	38	42	47	40	38	44
48291	NCA10	RES	478	10 PENNARD CRESCENT	478	52	44	50	41	51	39	43	48	41	38	44
48306	NCA10	RES	480	11 PENNARD CRESCENT	480	52	42	47	38	49	37	41	46	39	37	42
48344	NCA10	RES	481	12 PENNARD CRESCENT	481	52	44	49	40	50	38	42	47	41	38	44
48361	NCA10	RES	482	12 PENNARD CRESCENT	482	52	42	47	38	48	36	40	45	38	36	41
48372	NCA10	RES	483	14 PENNARD CRESCENT	483	52	44	49	40	50	38	42	47	41	38	44
48393	NCA10	RES	486	15 PENNARD CRESCENT	486	52	41	47	38	47	35	38	43	37	35	40

Predicted sleep disturbance noise levels

No.	NCA	Usage	rec	Address	Unique ID	NML											
						L _{max} dB(A)											
						L _{max} 52 or RBL + 15	Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16	
48406	NCA10	RES	487	15 PENNARD CRESCENT	487	52	44	49	40	48	36	40	45	38	37	42	
48426	NCA10	RES	488	16 PENNARD CRESCENT	488	52	44	49	40	50	38	42	47	40	39	44	
48460	NCA10	RES	490	2 PENNARD CRESCENT	490	52	43	48	39	48	36	40	45	38	37	42	
48474	NCA10	RES	491	2 PENNARD CRESCENT	491	52	42	48	39	48	36	40	45	38	36	42	
48482	NCA10	RES	492	3 PENNARD CRESCENT	492	52	42	48	39	48	36	39	44	38	36	41	
48492	NCA10	RES	493	3 PENNARD CRESCENT	493	52	43	48	39	47	35	39	44	38	36	42	
48515	NCA10	RES	494	4 PENNARD CRESCENT	494	52	45	50	41	50	38	42	47	40	38	43	
48543	NCA10	RES	496	4 PENNARD CRESCENT	496	52	45	50	41	50	38	41	46	40	39	44	
48548	NCA10	RES	497	4 PENNARD CRESCENT	497	52	42	47	38	46	34	38	43	37	37	42	
48563	NCA10	RES	498	5 PENNARD CRESCENT	498	52	42	47	39	47	35	39	44	38	35	41	
48581	NCA10	RES	500	6 PENNARD CRESCENT	500	52	42	48	39	48	36	40	45	38	36	41	
48589	NCA10	RES	501	6 PENNARD CRESCENT	501	52	45	50	41	50	39	42	47	41	38	43	
48608	NCA10	RES	503	7 PENNARD CRESCENT	503	52	42	47	38	47	35	39	44	37	35	40	
48623	NCA10	RES	504	8 PENNARD CRESCENT	504	52	44	50	41	50	39	42	47	41	38	43	
48651	NCA10	RES	505	9 PENNARD CRESCENT	505	52	42	47	38	47	35	39	44	37	35	40	
48667	NCA10	RES	507	10 PINE VALLEY CRESCENT	507	52	41	47	38	46	34	38	43	36	36	42	
48689	NCA10	RES	509	11 PINE VALLEY CRESCENT	509	52	43	48	39	48	36	40	45	38	37	42	
48708	NCA10	RES	510	11 PINE VALLEY CRESCENT	510	52	42	47	38	48	36	40	45	39	37	42	
48716	NCA10	RES	511	12 PINE VALLEY CRESCENT	511	52	43	49	40	48	36	40	45	38	37	42	
48738	NCA10	RES	512	13 PINE VALLEY CRESCENT	512	52	44	49	40	49	37	41	46	39	37	43	
48756	NCA10	RES	513	15 PINE VALLEY CRESCENT	513	52	41	46	37	46	34	38	43	37	37	42	
48770	NCA10	RES	514	17 PINE VALLEY CRESCENT	514	52	41	46	37	48	36	40	45	38	37	42	
48809	NCA10	RES	516	2 PINE VALLEY CRESCENT	516	52	44	50	41	49	37	41	46	39	38	43	
48821	NCA10	RES	517	3 PINE VALLEY CRESCENT	517	52	43	48	39	50	38	41	46	40	37	42	
48828	NCA10	RES	518	3 PINE VALLEY CRESCENT	518	52	45	50	41	50	36	40	45	38	38	44	
48855	NCA10	RES	519	4 PINE VALLEY CRESCENT	519	52	44	50	41	47	35	38	43	37	38	43	
48871	NCA10	RES	520	5 PINE VALLEY CRESCENT	520	52	45	50	41	50	37	40	45	39	38	43	
48894	NCA10	RES	522	6 PINE VALLEY CRESCENT	522	52	42	47	38	47	35	38	43	37	35	40	
48907	NCA10	RES	524	7 PINE VALLEY CRESCENT	524	52	45	50	41	50	38	41	46	40	38	43	
48921	NCA10	RES	525	8 PINE VALLEY CRESCENT	525	52	41	47	38	46	34	38	43	36	35	40	
48943	NCA10	RES	527	9 PINE VALLEY CRESCENT	527	52	45	50	41	47	35	39	44	37	38	43	
48950	NCA10	RES	528	1 PORTRUSH CRESCENT	528	52	48	53	44	56	44	48	53	46	43	48	
48957	NCA10	RES	530	1 PORTRUSH CRESCENT	530	52	51	56	47	56	44	48	53	46	44	49	
48976	NCA10	RES	531	10 PORTRUSH CRESCENT	531	52	47	52	44	54	41	45	50	44	40	46	
48993	NCA10	RES	532	10 PORTRUSH CRESCENT	532	52	47	52	43	52	41	44	49	43	40	45	
49002	NCA10	RES	533	11 PORTRUSH CRESCENT	533	52	47	52	44	60	47	51	56	49	44	49	
49017	NCA10	RES	535	12 PORTRUSH CRESCENT	535	52	50	55	46	57	44	48	53	46	43	48	
49034	NCA10	RES	536	12 PORTRUSH CRESCENT	536	52	47	52	43	54	41	45	50	44	40	45	
49036	NCA10	RES	537	12 PORTRUSH CRESCENT	537	52	37	42	33	47	36	39	44	38	40	45	
49088	NCA10	RES	539	13 PORTRUSH CRESCENT	539	52	51	56	47	59	46	50	55	48	44	50	
49106	NCA10	RES	540	14 PORTRUSH CRESCENT	540	52	47	52	43	54	41	45	50	44	40	45	

Predicted sleep disturbance noise levels

No.	NCA	Usage	rec	Address	Unique ID	NML		L _{max} dB(A)									
						RBL + 15	52 or	Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
49125	NCA10	RES	543	14 PORTRUSH CRESCENT	543	52	50	55	46	55	42	46	51	44	43	48	
49154	NCA10	RES	545	15 PORTRUSH CRESCENT	545	52	48	54	45	59	47	51	56	49	43	49	
49169	NCA10	RES	546	16 PORTRUSH CRESCENT	546	52	39	44	35	55	42	46	51	44	41	47	
49195	NCA10	RES	547	16 PORTRUSH CRESCENT	547	52	48	53	44	55	43	46	51	45	43	48	
49235	NCA10	RES	548	17 PORTRUSH CRESCENT	548	52	49	54	45	63	50	54	59	52	46	51	
49243	NCA10	RES	552	17 PORTRUSH CRESCENT	552	52	49	54	45	61	49	53	58	51	43	50	
49248	NCA10	RES	553	17 PORTRUSH CRESCENT	553	52	51	56	48	63	50	54	59	52	46	51	
49271	NCA10	RES	555	18 PORTRUSH CRESCENT	555	52	49	55	46	55	43	47	52	45	43	48	
49277	NCA10	RES	557	19 PORTRUSH CRESCENT	557	52	52	57	48	64	51	54	59	53	46	51	
49304	NCA10	RES	559	2 PORTRUSH CRESCENT	559	52	50	55	46	55	42	46	51	44	43	48	
49338	NCA10	RES	561	21 PORTRUSH CRESCENT	561	52	49	54	45	62	49	53	58	51	45	50	
49376	NCA10	RES	562	22 PORTRUSH CRESCENT	562	52	50	55	46	57	44	48	53	46	43	48	
49401	NCA10	RES	565	23 PORTRUSH CRESCENT	565	52	48	54	45	60	47	51	56	50	44	49	
49412	NCA10	RES	567	24 PORTRUSH CRESCENT	567	52	47	53	44	57	46	50	55	48	43	49	
49440	NCA10	RES	569	24 PORTRUSH CRESCENT	569	52	45	50	41	56	41	45	50	44	40	46	
49451	NCA10	RES	570	26 PORTRUSH CRESCENT	570	52	49	54	45	59	47	51	56	49	44	49	
49475	NCA10	RES	572	28 PORTRUSH CRESCENT	572	52	47	53	44	57	45	49	54	47	42	47	
49497	NCA10	RES	573	28 PORTRUSH CRESCENT	573	52	45	51	42	55	44	48	53	46	42	47	
49502	NCA10	RES	574	30 PORTRUSH CRESCENT	574	52	39	44	35	53	42	46	51	44	42	47	
49513	NCA10	RES	575	30 PORTRUSH CRESCENT	575	52	49	54	45	60	48	52	57	50	44	50	
49549	NCA10	RES	576	34 PORTRUSH CRESCENT	576	52	47	52	43	61	49	53	58	52	45	50	
49566	NCA10	RES	578	34 PORTRUSH CRESCENT	578	52	44	49	40	54	42	46	51	45	43	48	
49572	NCA10	RES	579	34 PORTRUSH CRESCENT	579	52	46	52	43	58	46	50	55	48	42	48	
49576	NCA10	RES	580	36 PORTRUSH CRESCENT	580	52	48	53	45	60	48	51	56	50	45	51	
49600	NCA10	RES	582	36 PORTRUSH CRESCENT	582	52	41	46	37	57	45	49	54	48	43	48	
49621	NCA10	RES	583	38 PORTRUSH CRESCENT	583	52	51	56	47	63	51	55	60	53	46	51	
49649	NCA10	RES	585	4 PORTRUSH CRESCENT	585	52	50	55	46	53	40	44	49	42	43	48	
49676	NCA10	RES	586	40 PORTRUSH CRESCENT	586	52	49	54	45	61	49	52	57	51	46	51	
49684	NCA10	RES	587	42 PORTRUSH CRESCENT	587	52	45	51	42	62	49	53	58	51	44	49	
49694	NCA10	RES	588	42 PORTRUSH CRESCENT	588	52	49	54	46	62	50	53	58	52	46	51	
49705	NCA10	RES	589	44 PORTRUSH CRESCENT	589	52	50	55	46	64	51	54	59	53	46	51	
49719	NCA10	RES	590	44 PORTRUSH CRESCENT	590	52	49	55	46	66	52	56	61	55	46	52	
49738	NCA10	RES	591	46 PORTRUSH CRESCENT	591	52	52	58	49	67	53	57	62	55	47	52	
49756	NCA10	RES	592	46 PORTRUSH CRESCENT	592	52	50	55	46	66	53	57	62	55	47	52	
49765	NCA10	RES	593	48 PORTRUSH CRESCENT	593	52	53	58	49	66	51	55	60	53	47	52	
49793	NCA10	RES	594	48 PORTRUSH CRESCENT	594	52	50	56	47	66	52	56	61	54	45	50	
49799	NCA10	RES	595	48 PORTRUSH CRESCENT	595	52	50	55	47	68	54	58	63	56	48	53	
49804	NCA10	RES	596	48 PORTRUSH CRESCENT	596	52	49	55	46	68	54	58	63	56	47	52	
49807	NCA10	RES	597	5 PORTRUSH CRESCENT	597	52	51	56	47	58	45	49	54	47	44	49	
49815	NCA10	RES	598	5 PORTRUSH CRESCENT	598	52	49	55	46	55	42	46	51	45	44	49	
49817	NCA10	RES	599	5 PORTRUSH CRESCENT	599	52	50	55	46	58	45	49	54	47	44	49	

Predicted sleep disturbance noise levels

No.	NCA	Usage	rec	Address	Unique ID	NML										
						L _{max} 52 or RBL + 15	L _{max} dB(A)									
							Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
49842	NCA10	RES	600	52 PORTRUSH CRESCENT	600	52	50	56	47	65	51	55	60	53	46	51
49859	NCA10	RES	602	52 PORTRUSH CRESCENT	602	52	40	45	36	64	50	54	59	52	44	49
49876	NCA10	RES	603	54 PORTRUSH CRESCENT	603	52	50	55	46	62	49	53	58	51	44	49
49894	NCA10	RES	604	54 PORTRUSH CRESCENT	604	52	50	55	46	62	49	52	57	51	44	49
49899	NCA10	RES	605	56 PORTRUSH CRESCENT	605	52	50	55	46	61	47	51	56	50	45	50
49925	NCA10	RES	606	58 PORTRUSH CRESCENT	606	52	51	57	48	60	47	50	55	49	45	50
49950	NCA10	RES	607	6 PORTRUSH CRESCENT	607	52	47	53	44	56	43	47	52	45	42	47
49970	NCA10	RES	608	6 PORTRUSH CRESCENT	608	52	35	40	31	44	33	36	41	35	40	46
49974	NCA10	RES	610	6 PORTRUSH CRESCENT	610	52	47	52	43	50	40	43	48	42	40	46
49982	NCA10	RES	611	60 PORTRUSH CRESCENT	611	52	49	55	46	59	46	50	55	48	43	48
49997	NCA10	RES	613	62 PORTRUSH CRESCENT	613	52	49	54	45	60	48	51	56	50	44	49
50021	NCA10	RES	614	62 PORTRUSH CRESCENT	614	52	52	57	48	58	45	49	54	48	45	50
50029	NCA10	RES	615	64 PORTRUSH CRESCENT	615	52	49	54	45	60	46	50	55	49	44	49
50047	NCA10	RES	616	64 PORTRUSH CRESCENT	616	52	51	57	48	57	44	48	53	47	45	50
50050	NCA10	RES	617	66 PORTRUSH CRESCENT	617	52	51	56	47	56	44	47	52	46	44	50
50071	NCA10	RES	618	68 PORTRUSH CRESCENT	618	52	48	54	45	56	43	47	52	46	43	48
50108	NCA10	RES	620	8 PORTRUSH CRESCENT	620	52	47	52	43	53	41	44	49	43	40	45
50114	NCA10	RES	621	8 PORTRUSH CRESCENT	621	52	47	53	44	55	43	47	52	45	42	47
50134	NCA10	RES	622	11 TWIN CREEKS DRIVE	622	52	43	48	39	48	36	40	45	38	38	44
50153	NCA10	RES	623	13 TWIN CREEKS DRIVE	623	52	35	40	31	48	36	40	45	38	36	41
50160	NCA10	RES	624	13 TWIN CREEKS DRIVE	624	52	45	50	42	49	37	41	46	39	38	44
50182	NCA10	RES	625	13 TWIN CREEKS DRIVE	625	52	42	48	39	49	36	40	45	39	36	41
50185	NCA10	RES	626	13 TWIN CREEKS DRIVE	626	52	43	48	39	49	37	40	45	39	37	42
50196	NCA10	RES	627	14 TWIN CREEKS DRIVE	627	52	46	51	42	51	39	43	48	41	39	44
50220	NCA10	RES	628	15 TWIN CREEKS DRIVE	628	52	45	51	42	49	37	41	46	39	39	44
50238	NCA10	RES	629	15 TWIN CREEKS DRIVE	629	52	45	50	41	49	37	41	46	39	38	44
50244	NCA10	RES	631	15 TWIN CREEKS DRIVE	631	52	42	48	39	50	39	43	48	41	39	44
50249	NCA10	RES	632	15 TWIN CREEKS DRIVE	632	52	43	48	39	50	39	43	48	41	38	44
50257	NCA10	RES	633	17 TWIN CREEKS DRIVE	633	52	45	50	41	51	39	43	48	41	39	44
50266	NCA10	RES	634	17 TWIN CREEKS DRIVE	634	52	35	41	32	49	37	41	46	39	38	43
50271	NCA10	RES	635	17 TWIN CREEKS DRIVE	635	52	43	48	39	51	39	43	48	41	39	44
50317	NCA10	RES	636	18 TWIN CREEKS DRIVE	636	52	46	51	42	53	39	43	48	41	40	45
50325	NCA10	RES	643	20 TWIN CREEKS DRIVE	643	52	43	48	39	49	37	40	45	39	36	41
50341	NCA10	RES	644	21 TWIN CREEKS DRIVE	644	52	42	48	39	49	37	41	46	39	37	42
50349	NCA10	RES	645	21 TWIN CREEKS DRIVE	645	52	42	48	39	49	37	41	46	39	39	44
50365	NCA10	RES	646	21 TWIN CREEKS DRIVE	646	52	45	50	41	51	39	43	48	42	39	44
50383	NCA10	RES	648	22 TWIN CREEKS DRIVE	648	52	46	51	42	51	39	43	48	41	39	44
50403	NCA10	RES	652	24 TWIN CREEKS DRIVE	652	52	46	51	42	50	38	42	47	40	39	44
50438	NCA10	RES	653	26 TWIN CREEKS DRIVE	653	52	45	50	41	52	40	44	49	42	39	44
50469	NCA10	RES	654	27 TWIN CREEKS DRIVE	654	52	43	48	40	51	39	43	48	41	41	47
50480	NCA10	RES	655	27 TWIN CREEKS DRIVE	655	52	38	43	34	50	38	42	47	40	39	44

Predicted sleep disturbance noise levels

No.	NCA	Usage	rec	Address	Unique ID	NML		L _{max} dB(A)									
						L _{max} 52 or RBL + 15	Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16	
50485	NCA10	RES	656	28 TWIN CREEKS DRIVE	656	52	43	49	40	50	38	42	47	40	39	44	
50506	NCA10	RES	657	28 TWIN CREEKS DRIVE	657	52	44	49	40	53	41	45	50	43	40	46	
50521	NCA10	RES	658	29 TWIN CREEKS DRIVE	658	52	43	48	39	50	39	42	47	41	41	46	
50539	NCA10	RES	660	29 TWIN CREEKS DRIVE	660	52	39	44	35	50	38	42	47	40	40	46	
50546	NCA10	RES	661	30 TWIN CREEKS DRIVE	661	52	43	48	39	50	38	42	47	40	38	43	
50575	NCA10	RES	663	31 TWIN CREEKS DRIVE	663	52	43	48	39	50	38	42	47	41	39	44	
50591	NCA10	RES	664	31 TWIN CREEKS DRIVE	664	52	42	48	39	51	40	43	48	42	41	46	
50595	NCA10	RES	666	32 TWIN CREEKS DRIVE	666	52	46	51	42	53	41	44	49	43	40	45	
50619	NCA10	RES	668	33 TWIN CREEKS DRIVE	668	52	42	48	39	51	40	43	48	42	42	47	
50638	NCA10	RES	669	33 TWIN CREEKS DRIVE	669	52	42	47	38	49	38	41	46	40	39	44	
50640	NCA10	RES	671	34 TWIN CREEKS DRIVE	671	52	46	51	42	52	41	44	49	43	40	45	
50668	NCA10	RES	672	34 TWIN CREEKS DRIVE	672	52	45	50	41	51	40	44	49	42	41	46	
50692	NCA10	RES	673	35 TWIN CREEKS DRIVE	673	52	45	50	41	51	40	44	49	42	42	47	
50720	NCA10	RES	674	36 TWIN CREEKS DRIVE	674	52	46	51	42	52	41	44	49	43	40	45	
50732	NCA10	RES	675	36 TWIN CREEKS DRIVE	675	52	43	48	39	52	41	44	49	43	40	45	
50741	NCA10	RES	676	36 TWIN CREEKS DRIVE	676	52	43	48	39	50	38	42	47	40	38	43	
50746	NCA10	RES	677	37 TWIN CREEKS DRIVE	677	52	41	46	38	48	37	41	46	39	39	44	
50759	NCA10	RES	679	37 TWIN CREEKS DRIVE	679	52	44	50	41	51	40	43	48	42	42	47	
50778	NCA10	RES	682	38 TWIN CREEKS DRIVE	682	52	46	51	42	51	39	43	48	42	40	45	
50806	NCA10	RES	683	39 TWIN CREEKS DRIVE	683	52	42	47	38	48	37	41	46	39	39	44	
50827	NCA10	RES	684	40 TWIN CREEKS DRIVE	684	52	44	49	40	54	42	46	51	44	43	48	
50841	NCA10	RES	686	41 TWIN CREEKS DRIVE	686	52	40	46	37	48	36	40	45	39	39	44	
50855	NCA10	RES	687	41 TWIN CREEKS DRIVE	687	52	41	46	37	48	36	40	45	38	37	43	
50864	NCA10	RES	688	42 TWIN CREEKS DRIVE	688	52	44	49	40	53	42	46	51	44	42	48	
50888	NCA10	RES	690	43 TWIN CREEKS DRIVE	690	52	41	46	37	48	36	40	45	38	39	44	
50891	NCA10	RES	691	43 TWIN CREEKS DRIVE	691	52	38	43	35	47	36	39	44	38	39	44	
50903	NCA10	RES	692	43 TWIN CREEKS DRIVE	692	52	42	48	39	51	39	43	48	41	40	45	
50912	NCA10	RES	693	44 TWIN CREEKS DRIVE	693	52	46	51	42	54	42	46	51	44	40	45	
50921	NCA10	RES	694	44 TWIN CREEKS DRIVE	694	52	44	50	41	54	42	46	51	44	43	48	
50955	NCA10	RES	696	45 TWIN CREEKS DRIVE	696	52	41	46	38	49	37	41	46	39	40	45	
50982	NCA10	RES	698	47 TWIN CREEKS DRIVE	698	52	43	48	39	49	38	42	47	40	41	46	
51001	NCA10	RES	699	47 TWIN CREEKS DRIVE	699	52	40	46	37	47	35	39	44	37	38	43	
51019	NCA10	RES	700	48 TWIN CREEKS DRIVE	700	52	45	51	42	54	42	46	51	44	43	48	
51029	NCA10	RES	702	49 TWIN CREEKS DRIVE	702	52	37	42	33	46	35	38	43	37	36	41	
51049	NCA10	RES	703	49 TWIN CREEKS DRIVE	703	52	40	45	36	47	36	40	45	38	41	46	
51054	NCA10	RES	704	5 TWIN CREEKS DRIVE	704	52	43	48	39	48	36	39	44	38	36	41	
51076	NCA10	RES	705	50 TWIN CREEKS DRIVE	705	52	44	50	41	54	42	46	51	45	44	49	
51099	NCA10	RES	708	51 TWIN CREEKS DRIVE	708	52	38	43	35	48	36	40	45	38	41	46	
51120	NCA10	RES	709	52 TWIN CREEKS DRIVE	709	52	42	47	38	53	41	45	50	44	43	48	
51160	NCA10	RES	710	52 TWIN CREEKS DRIVE	710	52	45	50	41	52	40	44	49	43	42	48	
51165	NCA10	RES	711	53 TWIN CREEKS DRIVE	711	52	40	45	36	46	35	38	43	37	38	43	

Predicted sleep disturbance noise levels

No.	NCA	Usage	rec	Address	Unique ID	NML													
						L _{max} dB(A)													
						L _{max} 52 or RBL + 15	Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16			
51171	NCA10	RES	712	53 TWIN CREEKS DRIVE	712	52	39	44	36	45	34	38	43	36	40	46			
51198	NCA10	RES	715	54 TWIN CREEKS DRIVE	715	52	44	50	41	51	40	44	49	42	42	48			
51216	NCA10	RES	716	54 TWIN CREEKS DRIVE	716	52	38	43	34	49	37	41	46	40	40	45			
51220	NCA10	RES	717	55 TWIN CREEKS DRIVE	717	52	42	47	38	48	36	40	45	38	38	44			
51239	NCA10	RES	718	55 TWIN CREEKS DRIVE	718	52	40	45	36	46	34	38	43	36	37	43			
51244	NCA10	RES	719	55 TWIN CREEKS DRIVE	719	52	39	45	36	46	34	38	43	36	38	43			
51271	NCA10	RES	721	58 TWIN CREEKS DRIVE	721	52	43	49	40	50	39	43	48	41	42	47			
51286	NCA10	RES	722	62 TWIN CREEKS DRIVE	722	52	41	46	37	48	36	40	45	38	42	47			
51300	NCA10	RES	723	62 TWIN CREEKS DRIVE	723	52	41	46	37	49	37	41	46	40	42	47			
51316	NCA10	RES	725	62 TWIN CREEKS DRIVE	725	52	41	46	37	48	37	41	46	39	40	45			
51329	NCA10	RES	727	62 TWIN CREEKS DRIVE	727	52	43	48	40	50	39	42	47	41	42	47			
51343	NCA10	RES	728	64 TWIN CREEKS DRIVE	728	52	43	48	39	49	38	42	47	40	41	46			
51369	NCA10	RES	730	64 TWIN CREEKS DRIVE	730	52	42	47	38	49	38	42	47	40	41	46			
51378	NCA10	RES	731	7 TWIN CREEKS DRIVE	731	52	43	48	39	48	36	39	44	38	36	41			
51391	NCA10	RES	732	9 TWIN CREEKS DRIVE	732	52	45	50	41	50	38	42	47	40	38	43			
51422	NCA10	RES	736	1 VENTANA COURT	736	52	43	49	40	51	39	43	48	42	42	47			
51444	NCA10	RES	737	2 VENTANA COURT	737	52	43	49	40	51	40	43	48	42	42	48			
51458	NCA10	RES	738	2 VENTANA COURT	738	52	46	51	42	53	40	43	48	42	43	48			
51477	NCA10	RES	740	3 VENTANA COURT	740	52	43	48	39	51	39	43	48	41	43	49			
51487	NCA10	RES	741	4 VENTANA COURT	741	52	47	52	43	55	43	47	52	46	41	47			
51493	NCA10	RES	742	4 VENTANA COURT	742	52	47	52	43	55	43	47	52	46	43	48			
51518	NCA10	RES	743	5 VENTANA COURT	743	52	44	49	40	52	41	44	49	43	44	49			
51534	NCA10	RES	744	6 VENTANA COURT	744	52	45	50	41	54	42	46	51	44	42	48			
51546	NCA10	RES	745	6 VENTANA COURT	745	52	46	51	42	52	40	44	49	43	42	47			
51576	NCA10	RES	746	7 VENTANA COURT	746	52	44	49	40	53	41	45	50	44	43	48			
51589	NCA10	RES	748	7 VENTANA COURT	748	52	44	49	40	52	40	44	49	42	42	47			
51598	NCA10	RES	749	1 WOODHALL PLACE	749	52	43	48	39	49	38	41	46	40	40	45			
51618	NCA10	RES	751	11 WOODHALL PLACE	751	52	41	46	37	48	36	40	45	38	39	45			
51622	NCA10	RES	752	11 WOODHALL PLACE	752	52	41	46	37	50	38	42	47	40	39	44			
51649	NCA10	RES	753	13 WOODHALL PLACE	753	52	42	47	38	49	38	42	47	40	39	44			
51671	NCA10	RES	754	15 WOODHALL PLACE	754	52	41	46	37	47	35	39	44	37	37	42			
51680	NCA10	RES	755	15 WOODHALL PLACE	755	52	44	50	41	49	38	42	47	40	39	44			
51736	NCA10	RES	756	17 WOODHALL PLACE	756	52	41	46	37	48	37	41	46	39	39	45			
51766	NCA10	RES	757	19 WOODHALL PLACE	757	52	43	48	39	49	37	41	46	39	39	45			
51768	NCA10	RES	759	2 WOODHALL PLACE	759	52	42	47	38	49	37	41	46	39	37	42			
51782	NCA10	RES	760	2 WOODHALL PLACE	760	52	42	47	39	49	38	42	47	40	39	44			
51797	NCA10	RES	761	3 WOODHALL PLACE	761	52	42	48	39	49	37	41	46	39	40	45			
51820	NCA10	RES	763	4 WOODHALL PLACE	763	52	42	47	38	48	37	40	45	39	36	42			
51855	NCA10	RES	765	5 WOODHALL PLACE	765	52	44	50	41	51	39	43	48	42	40	45			
51865	NCA10	RES	766	6 WOODHALL PLACE	766	52	39	44	35	47	35	39	44	37	36	42			
51875	NCA10	RES	767	6 WOODHALL PLACE	767	52	41	47	38	48	36	40	45	38	36	42			

Predicted sleep disturbance noise levels																
No.	NCA	Usage	rec	Address	Unique ID	NML	L _{max} dB(A)									
						L _{max} 52 or RBL + 15	Activity 1	Activity 2a	Activity 2b	Activity 3	Activity 4	Activity 6	Activity 7	Activity 8	Activity 12	Activity 16
51891	NCA10	RES	768	7 WOODHALL PLACE	768	52	42	47	38	50	39	42	47	41	40	45
51912	NCA10	RES	769	7 WOODHALL PLACE	769	52	42	47	38	51	39	43	48	41	39	45
51917	NCA10	RES	770	9 WOODHALL PLACE	770	52	39	44	35	48	36	40	45	39	39	45
51924	NCA10	RES	771	9 WOODHALL PLACE	771	52	42	47	38	50	38	42	47	40	40	45
51940	NCA10	RES	772	9 WOODHALL PLACE	772	52	41	47	38	48	36	40	45	39	37	43